

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061220\
 Data File : BF120614.D
 Acq On : 12 Jun 2020 16:53
 Operator : JU/CG
 Sample : L2182-01
 Misc : LOD-MDL-SOIL-5PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Manual Integrations
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mohammad
 6/15/2020 8:46:49 AM

Quant Time: Jun 12 17:40:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 16:54:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	146504	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	542481	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	294960	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	546652	20.00	ng	0.00
76) Chrysene-d12	13.95	240	451927	20.00	ng	-0.01
86) Perylene-d12	15.39	264	508082	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1216346	142.34	ng	0.00
7) Phenol-d6	6.43	99	1518992	142.72	ng	0.00
23) Nitrobenzene-d5	7.36	82	997881	102.82	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	474056	138.24	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1819257	94.37	ng	0.00
79) Terphenyl-d14	12.90	244	2049931	100.19	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.47	88	20411	5.040	ng	95
3) Pyridine	3.29	79	42455m	3.729	ng	
4) n-Nitrosodimethylamine	3.15	42	22720	4.809	ng	# 81
6) Aniline	6.46	93	72722	5.339	ng	98
8) 2-Chlorophenol	6.58	128	47422	4.911	ng	93
9) Benzaldehyde	6.35	77	40964	6.085	ng	98
10) Phenol	6.45	94	61177	5.387	ng	92
11) bis(2-Chloroethyl)ether	6.53	93	46574	4.924	ng	99
12) 1,3-Dichlorobenzene	6.74	146	51878	5.053	ng	97
13) 1,4-Dichlorobenzene	6.82	146	54111	5.342	ng	99
14) 1,2-Dichlorobenzene	6.97	146	49312	4.998	ng	99
15) Benzyl Alcohol	6.93	79	48822	6.468	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.07	45	68012	4.994	ng	99
17) 2-Methylphenol	7.05	107	39147	4.753	ng	98
18) Hexachloroethane	7.31	117	19612	5.255	ng	92
19) n-Nitroso-di-n-propylamine	7.20	70	34258	5.549	ng	98
20) 3+4-Methylphenols	7.20	107	49652	4.825	ng	# 70
22) Acetophenone	7.20	105	72002	5.937	ng	96
24) Nitrobenzene	7.37	77	53475	5.265	ng	92
25) Isophorone	7.61	82	93010	4.920	ng	# 93
26) 2-Nitrophenol	7.69	139	23272	4.331	ng	98
27) 2,4-Dimethylphenol	7.73	122	24952	3.154	ng	99
28) bis(2-Chloroethoxy)methane	7.83	93	57379	5.236	ng	98
29) 2,4-Dichlorophenol	7.93	162	37984	4.723	ng	96
30) 1,2,4-Trichlorobenzene	8.02	180	44362	4.978	ng	98
31) Naphthalene	8.10	128	144920	5.440	ng	100
32) Benzoic acid	7.79	122	9637	1.588	ng	97
33) 4-Chloroaniline	8.15	127	58126	4.754	ng	96
34) Hexachlorobutadiene	8.22	225	26230	5.049	ng	99
35) Caprolactam	8.47	113	12526	4.870	ng	# 79
36) 4-Chloro-3-methylphenol	8.63	107	40648	5.059	ng	97
37) 2-Methylnaphthalene	8.79	142	99753	5.736	ng	99
38) 1-Methylnaphthalene	8.89	142	94278	5.762	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	47545	5.398	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	15079	3.055	ng	99
43) 2,4,6-Trichlorophenol	9.07	196	27429	4.390	ng	95
44) 2,4,5-Trichlorophenol	9.11	196	27598	3.894	ng	95
46) 1,1'-Biphenyl	9.25	154	128998	5.857	ng	97
47) 2-Chloronaphthalene	9.28	162	91489	5.080	ng	97
48) 2-Nitroaniline	9.37	65	24416	4.316	ng	90
49) Acenaphthylene	9.69	152	148040	5.326	ng	98
50) Dimethylphthalate	9.55	163	103382	4.867	ng	99
51) 2,6-Dinitrotoluene	9.61	165	21116	4.386	ng	98
52) Acenaphthene	9.86	154	88913	5.363	ng	98
53) 3-Nitroaniline	9.77	138	23105	3.996	ng	91
54) 2,4-Dinitrophenol	9.89	184	4298	1.665	ng	# 75
55) Dibenzofuran	10.03	168	135838	5.344	ng	97
56) 4-Nitrophenol	9.94	139	14764	3.390	ng	89
57) 2,4-Dinitrotoluene	10.02	165	26461	4.142	ng	98
58) Fluorene	10.37	166	104194	5.317	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.15	232	23240	4.168	ng	95
60) Diethylphthalate	10.25	149	104368	4.988	ng	99
61) 4-Chlorophenyl-phenylether	10.37	204	52198	5.158	ng	99
62) 4-Nitroaniline	10.39	138	23531	4.099	ng	99
63) Azobenzene	10.53	77	101044	5.320	ng	99
65) 4,6-Dinitro-2-methylphenol	10.42	198	9406	2.868	ng	99
66) n-Nitrosodiphenylamine	10.49	169	90550	5.394	ng	99
67) 4-Bromophenyl-phenylether	10.86	248	29982	4.833	ng	97
68) Hexachlorobenzene	10.93	284	34208	5.128	ng	95
69) Atrazine	11.01	200	28767	5.538	ng	100
70) Pentachlorophenol	11.12	266	9618	2.594	ng	97
71) Phenanthrene	11.34	178	150130	5.525	ng	98
72) Anthracene	11.39	178	148999	5.440	ng	98
73) Carbazole	11.55	167	134847	4.973	ng	99
74) Di-n-butylphthalate	11.87	149	158045	5.185	ng	98
75) Fluoranthene	12.52	202	164434	5.293	ng	98
77) Benzidine	12.65	184	83013	5.431	ng	# 95
78) Pyrene	12.75	202	166248	5.193	ng	99
80) Butylbenzylphthalate	13.37	149	64648	4.548	ng	99
81) Benzo(a)anthracene	13.94	228	154902	5.705	ng	97
82) 3,3'-Dichlorobenzidine	13.90	252	58347	5.626	ng	100
83) Chrysene	13.97	228	155276	5.575	ng	97
84) Bis(2-ethylhexyl)phthalate	13.93	149	93461	5.387	ng	99
85) Di-n-octyl phthalate	14.54	149	156746	4.734	ng	98
87) Indeno(1,2,3-cd)pyrene	16.79	276	168318	5.446	ng	99
88) Benzo(b)fluoranthene	14.97	252	154918	5.119	ng	99
89) Benzo(k)fluoranthene	15.00	252	144108	5.381	ng	98
90) Benzo(a)pyrene	15.32	252	130197	4.807	ng	98
91) Dibenzo(a,h)anthracene	16.81	278	139210	5.617	ng	98
92) Benzo(g,h,i)perylene	17.22	276	143814	5.757	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

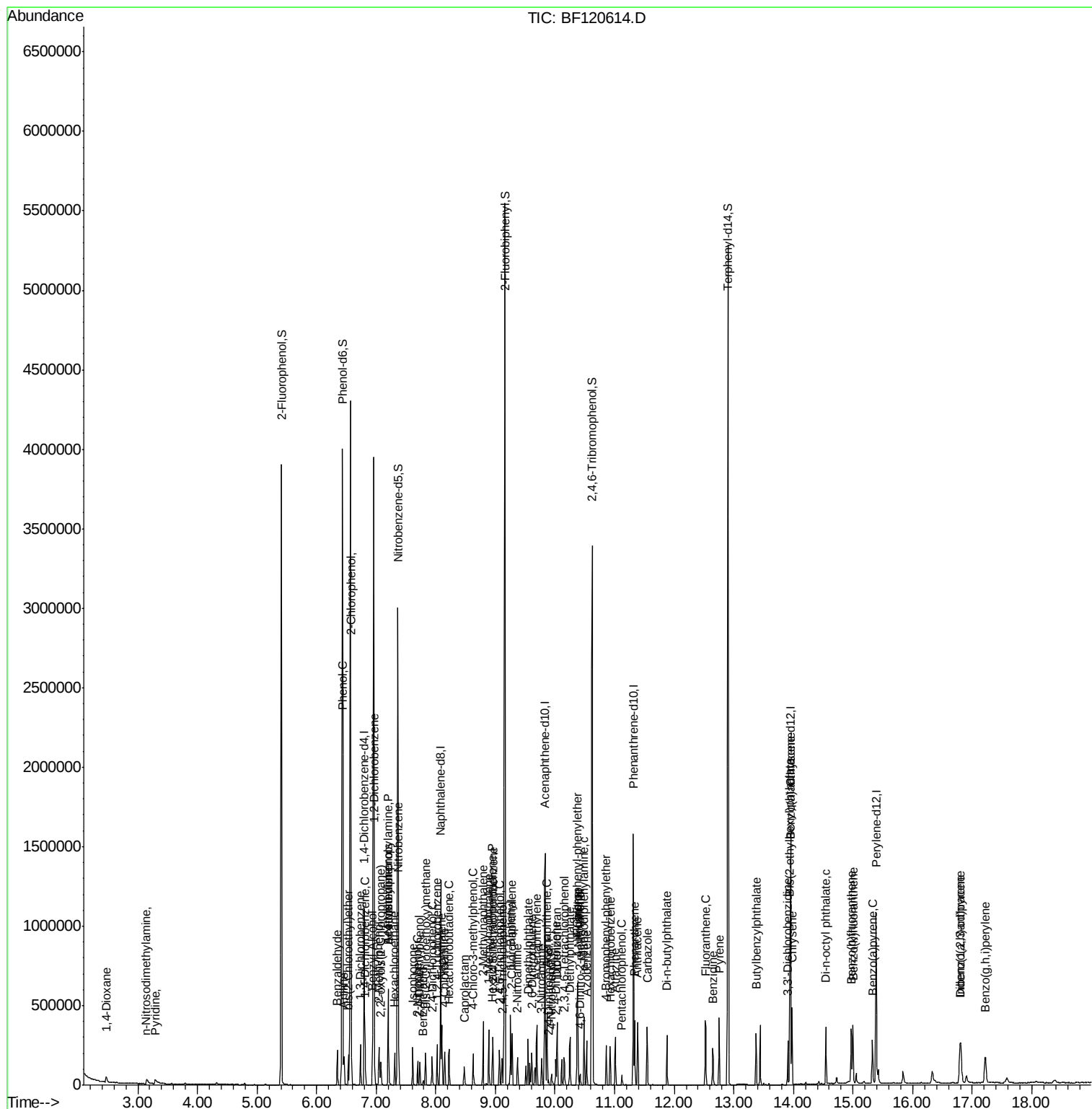
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061220\
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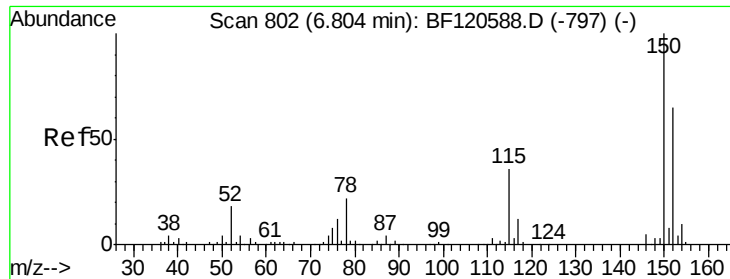
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

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QLast Update : Fri Jun 12 16:54:04 2020
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#1

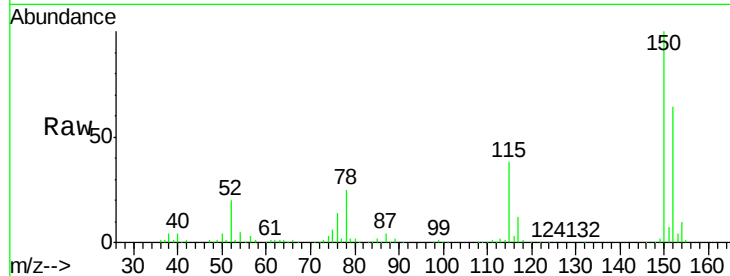
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	123.2	184.8
115	58.9	43.9	65.9

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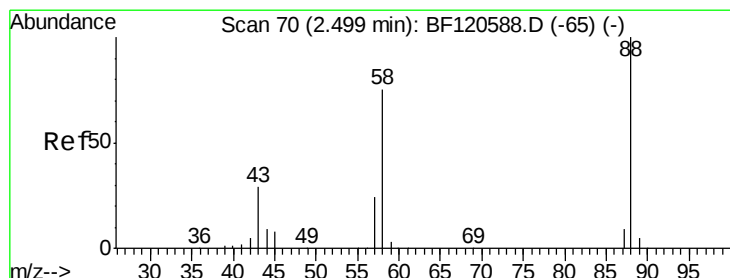
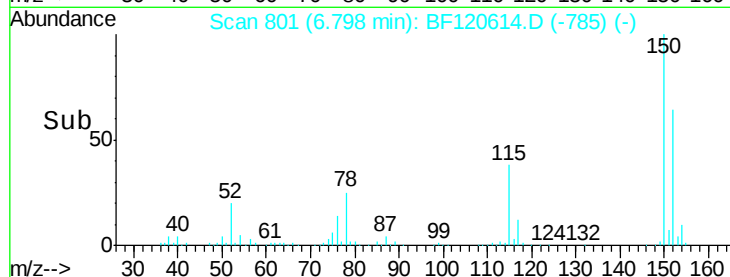
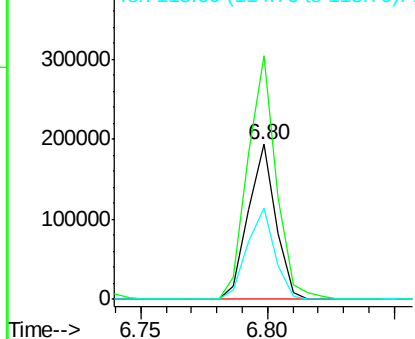


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

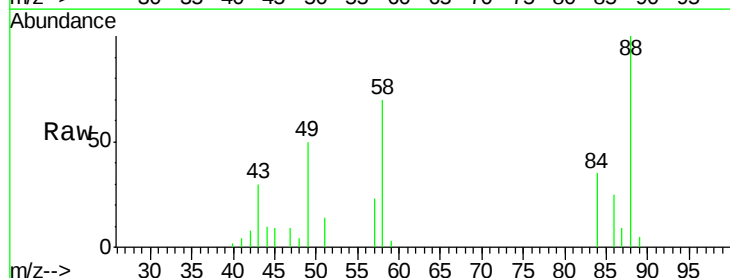
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 5.040 ng
RT: 2.47 min Scan# 65
Delta R.T. -0.04 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.5	59.6	89.4
43	29.9	23.1	34.7

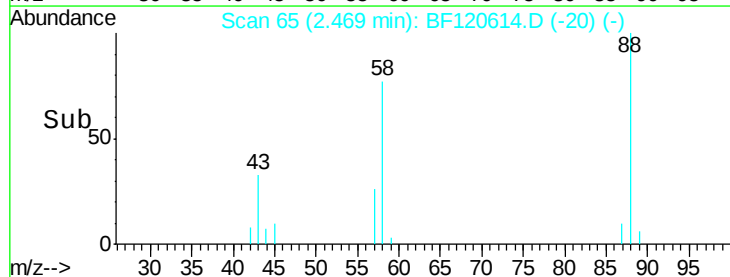
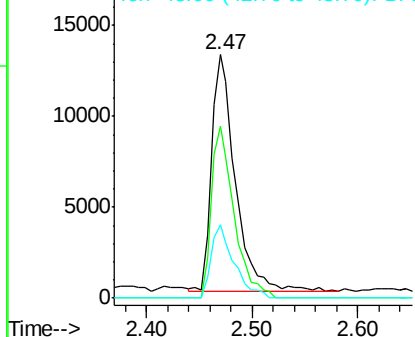


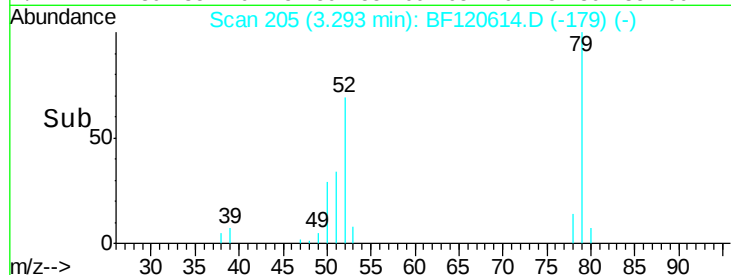
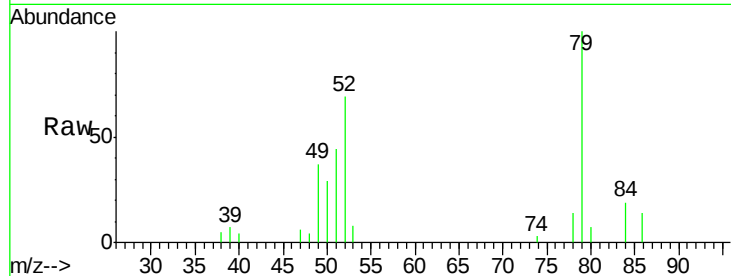
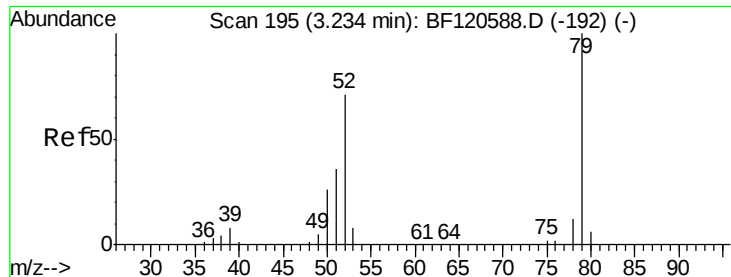
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





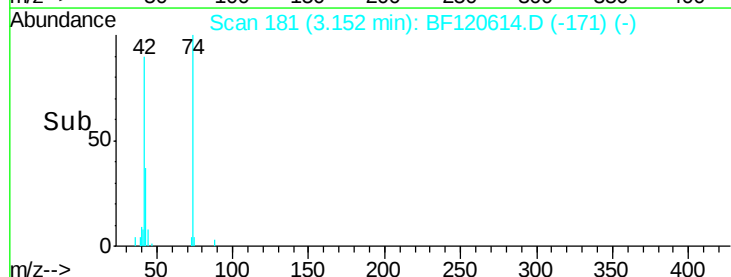
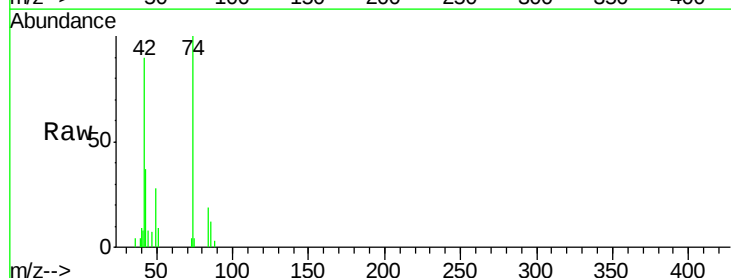
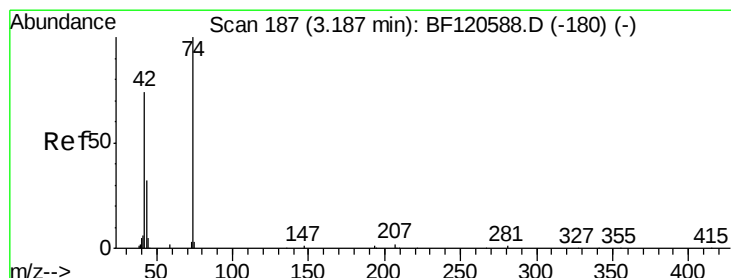
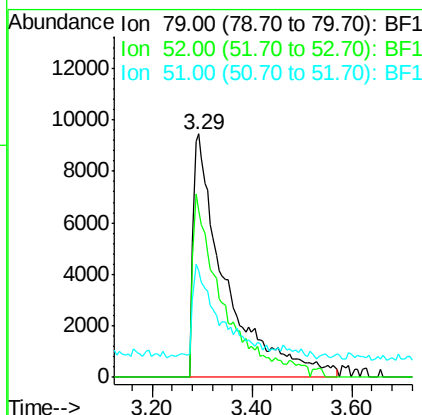
#3
 Pvridine
 Concen: 3.729 ng/ml
 RT: 3.29 min Scan# 205
 Delta R.T. 0.05 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Tot Ion:	79	Resp:	42455
Ion Ratio	Lower	Upper	
79	100		
52	68.6	57.0	85.6
51	43.6	28.5	42.7#

Instrument :
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 LOD-MDL-SOIL-01-QT2-2020

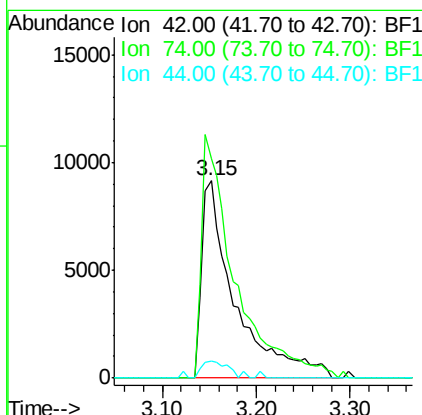
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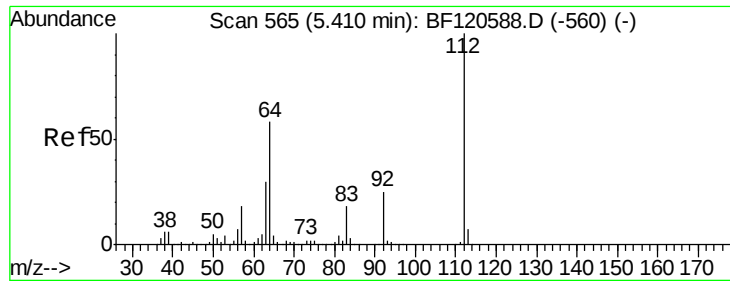
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#4
 n-Nitrosodimethylamine
 Concen: 4.809 ng/ml
 RT: 3.15 min Scan# 181
 Delta R.T. -0.04 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Tgt Ion:	42	Resp:	22720
Ion Ratio	Lower	Upper	
42	100		
74	111.1	107.8	161.6
44	8.7	5.1	7.7#





#5

2-Fluorophenol

Concen: 142.342 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

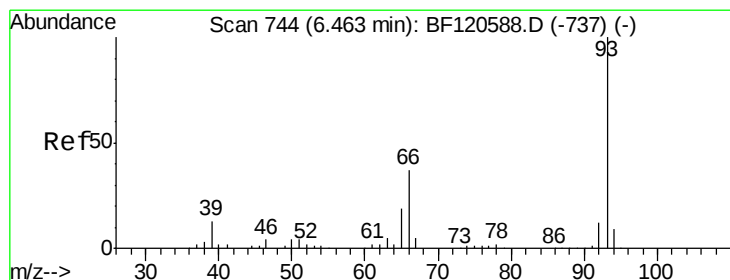
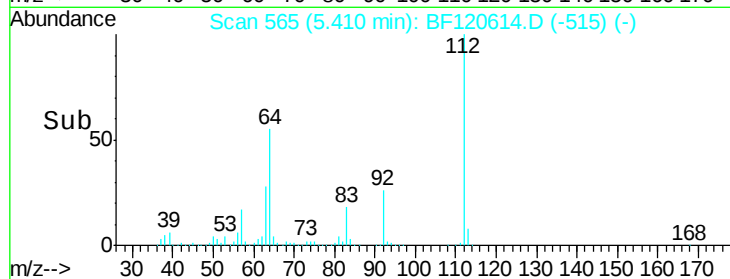
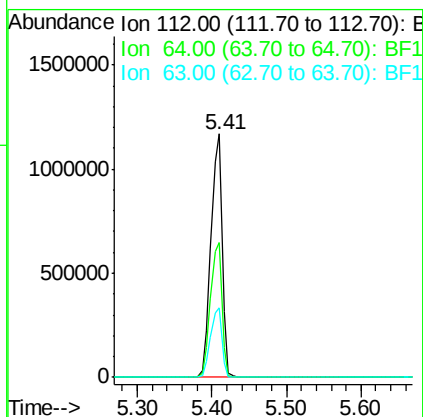
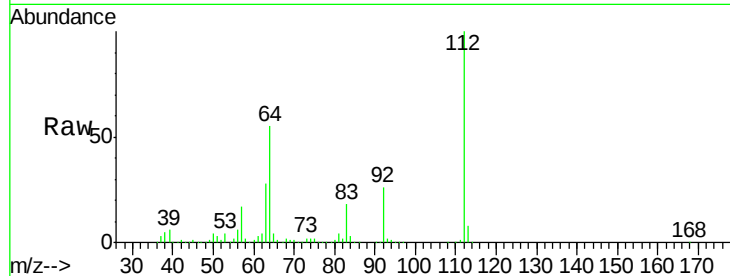
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	112	Resp:	1216346
Ion	Ratio	Lower	Upper
112	100		
64	55.3	46.1	69.1
63	28.4	23.7	35.5

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#6

Aniline

Concen: 5.339 ng

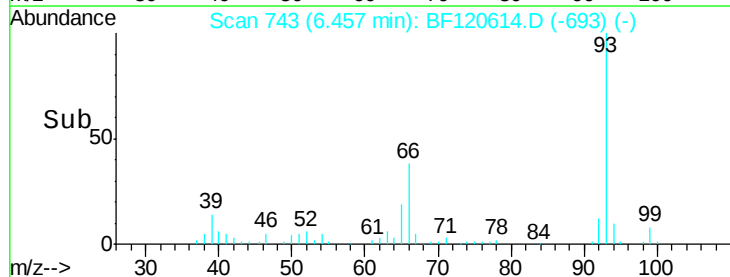
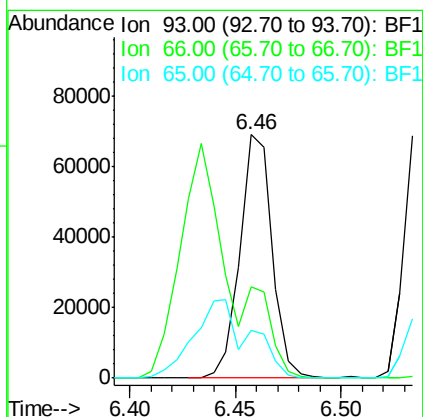
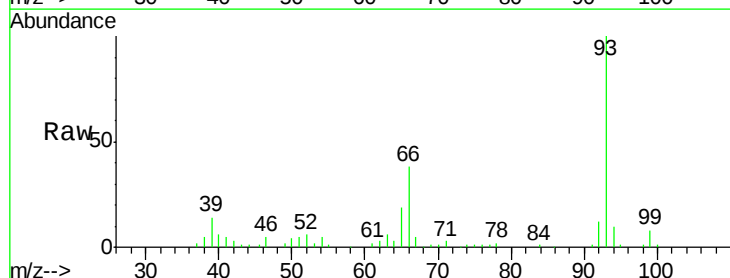
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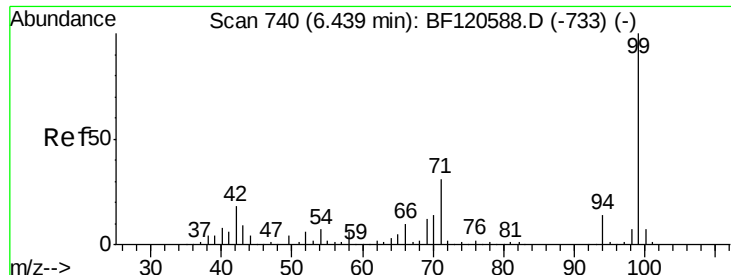
Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Tgt Ion:	93	Resp:	72722
Ion	Ratio	Lower	Upper
93	100		
66	37.6	30.9	46.3
65	19.4	15.9	23.9





#7

Phenol-d6

Concen: 142.721 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 99 Resp: 1518992

Ion Ratio Lower Upper

99 100

42 18.4 14.0 21.0

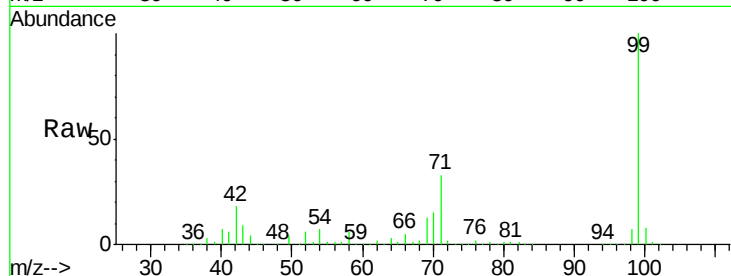
71 32.7 24.9 37.3

Manual Integrations

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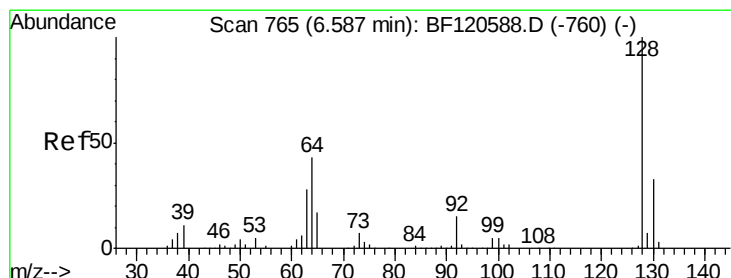
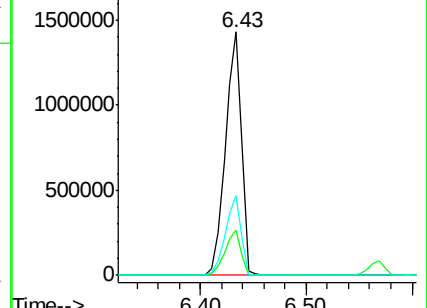
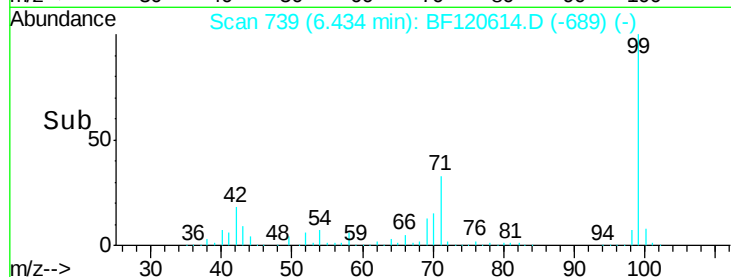
6/15/2020 8:46:49 AM



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 4.911 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

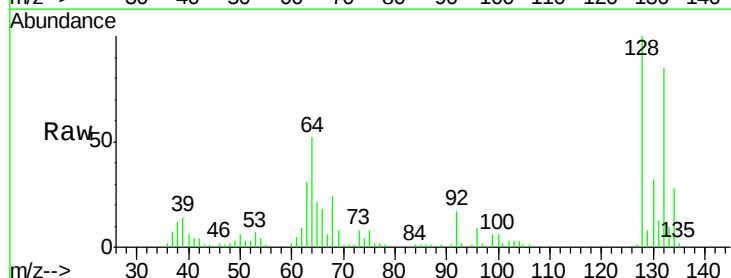
Tgt Ion:128 Resp: 47422

Ion Ratio Lower Upper

128 100

130 32.4 12.6 52.6

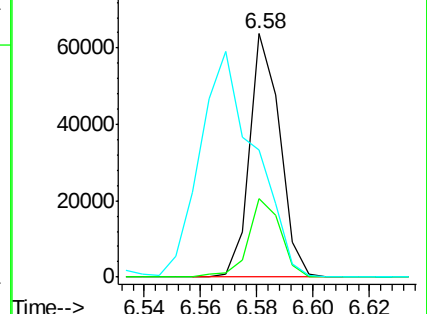
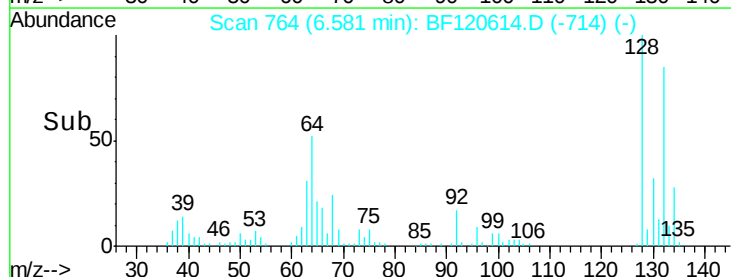
64 52.0 24.3 64.3

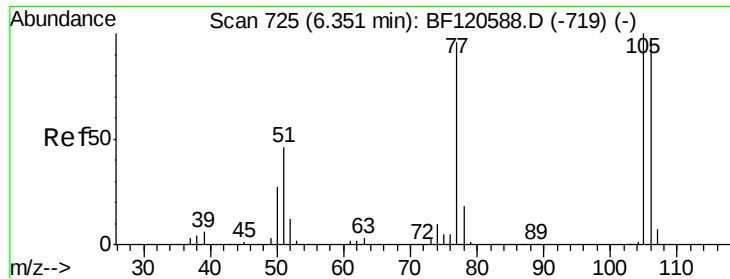


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





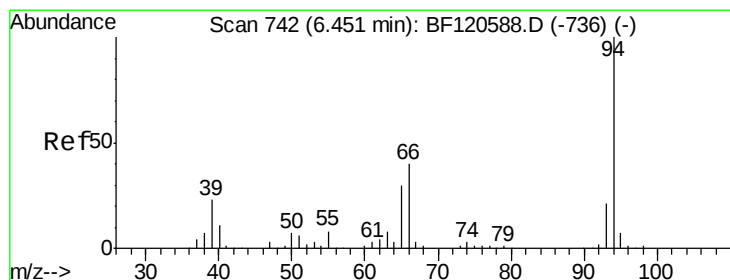
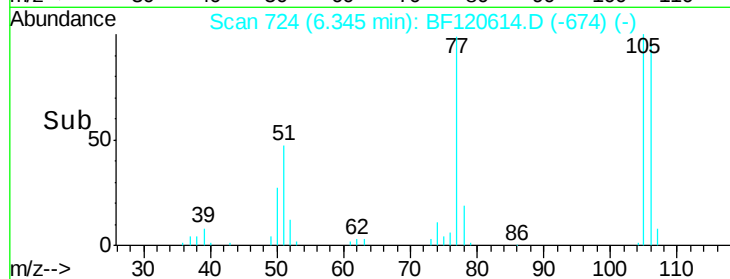
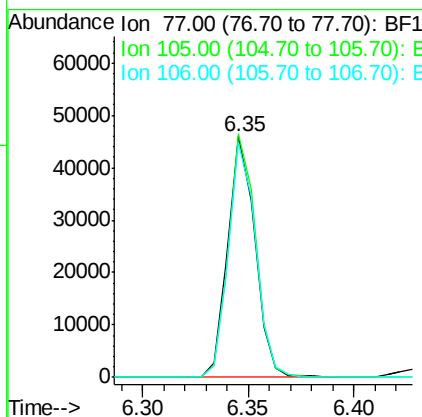
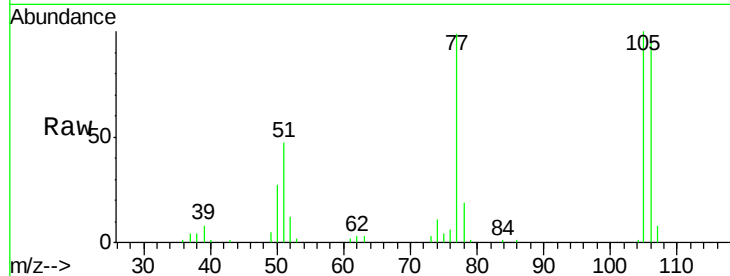
#9
Benzaldehyde
Concen: 6.085 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 77 Resp: 40964
Ion Ratio Lower Upper
77 100
105 101.2 83.8 123.8
106 97.3 79.3 119.3

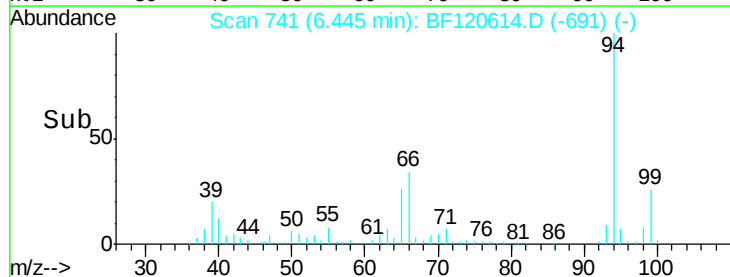
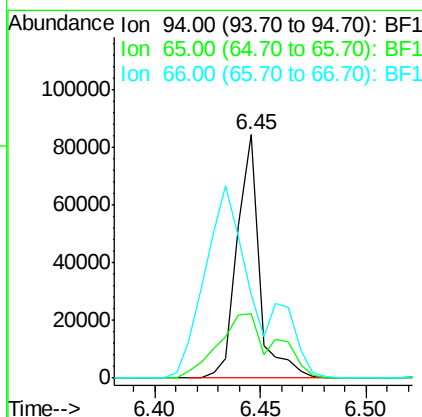
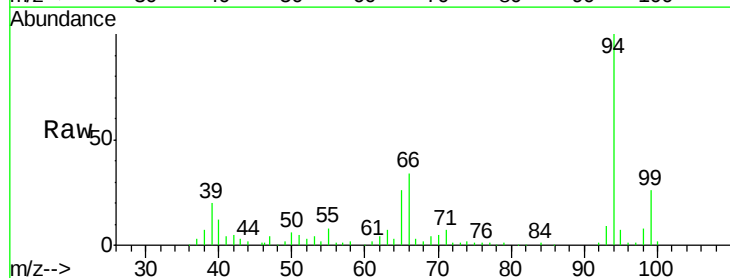
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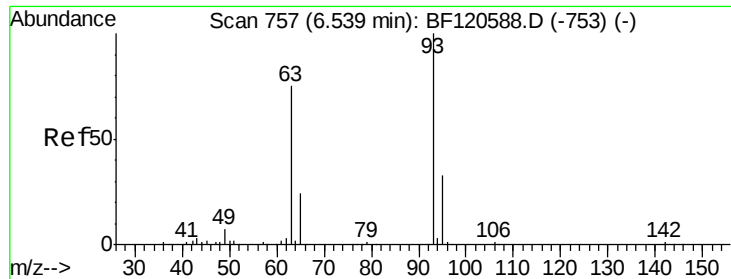
mohammad
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#10
Phenol
Concen: 5.387 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion: 94 Resp: 61177
Ion Ratio Lower Upper
94 100
65 26.4 9.9 49.9
66 34.5 20.1 60.1





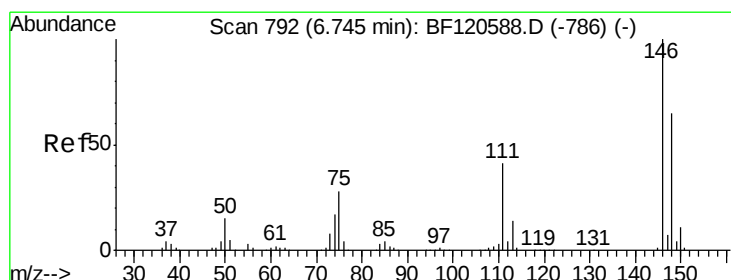
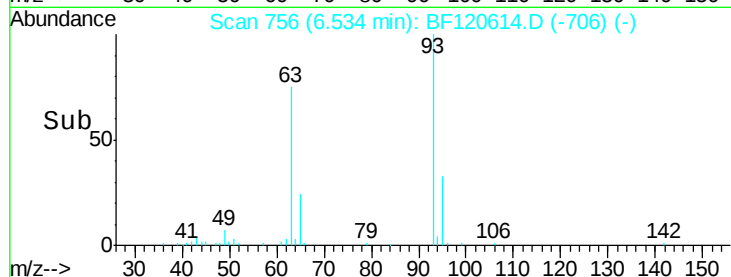
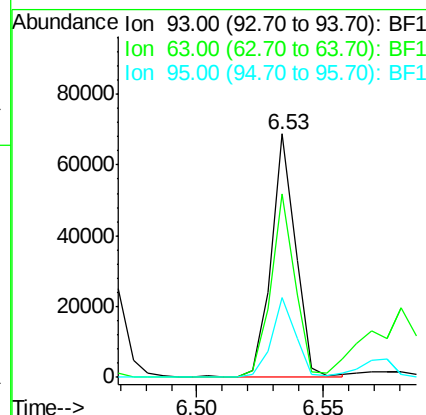
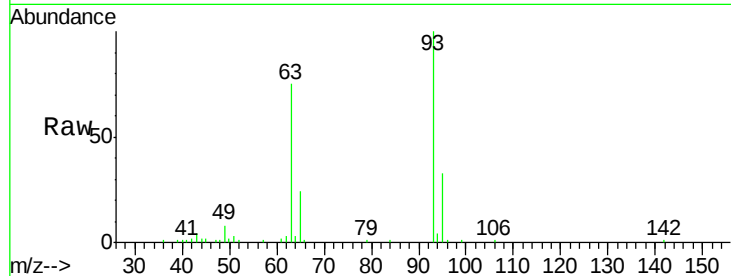
#11
bis(2-Chloroethyl)ether
Concen: 4.924 ng
RT: 6.53 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
93	100		
63	75.5	54.4	94.4
95	32.9	12.9	52.9

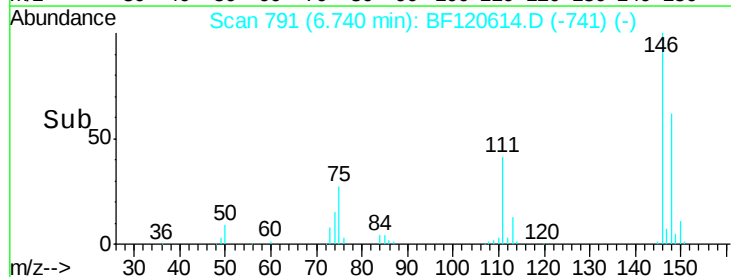
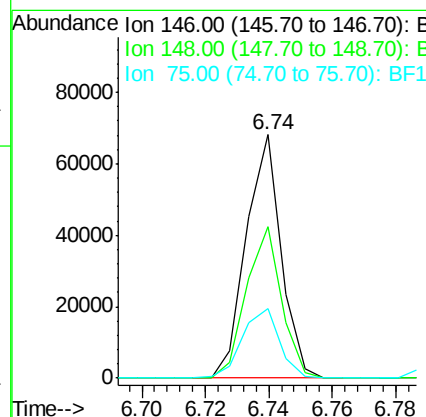
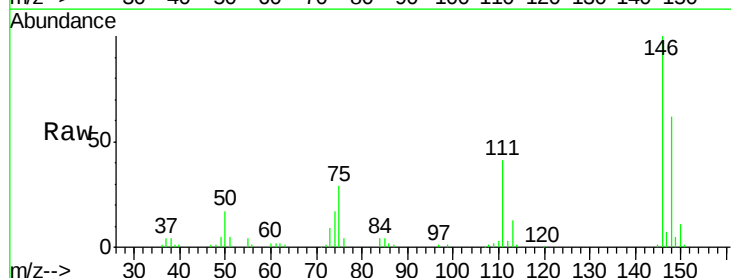
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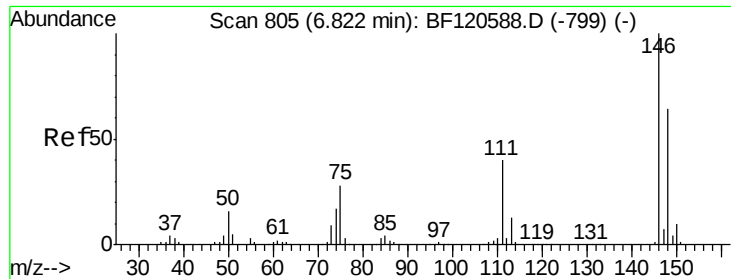
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#12
1,3-Dichlorobenzene
Concen: 5.053 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.8	77.6
75	28.7	22.2	33.4





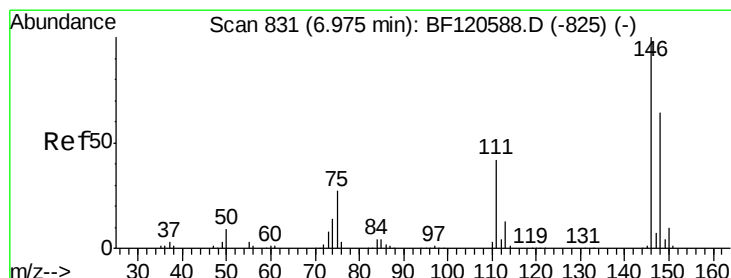
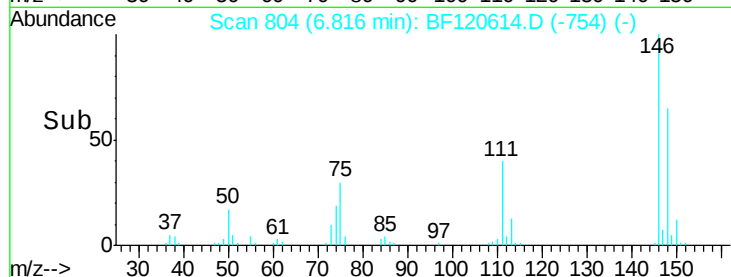
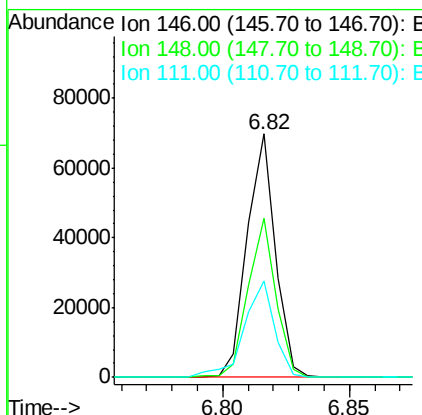
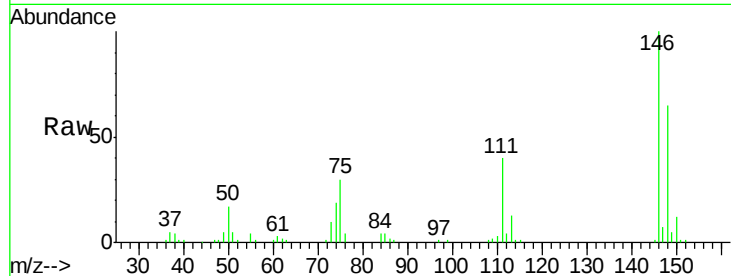
#13
1,4-Dichlorobenzene
Concen: 5.342 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.5	77.3
111	39.7	32.2	48.4

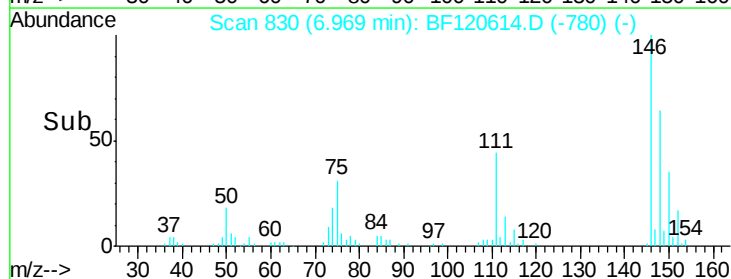
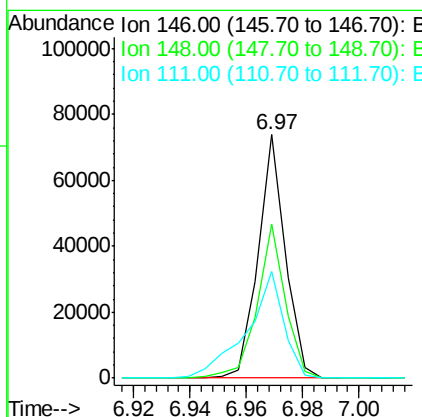
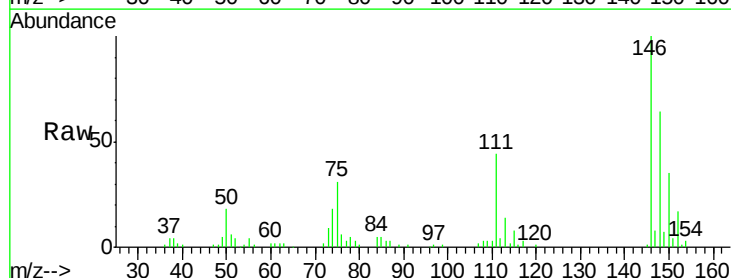
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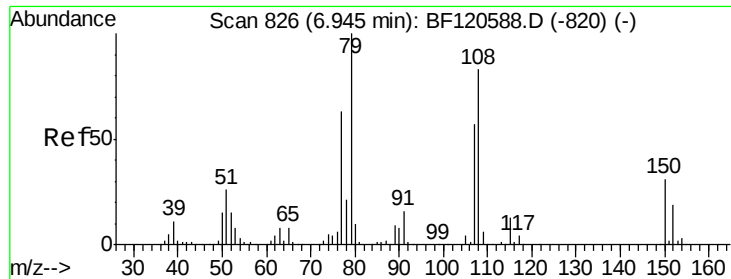
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#14
1,2-Dichlorobenzene
Concen: 4.998 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.8	76.2
111	43.9	33.6	50.4





#15

Benzyl Alcohol

Concen: 6.468 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

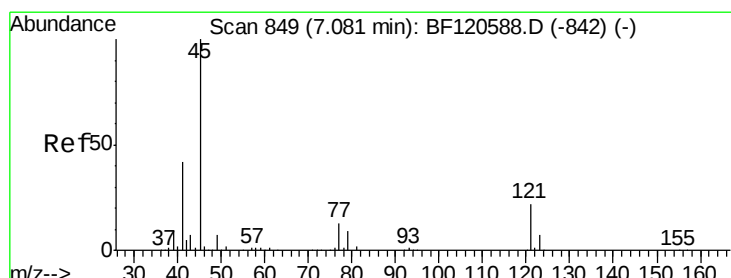
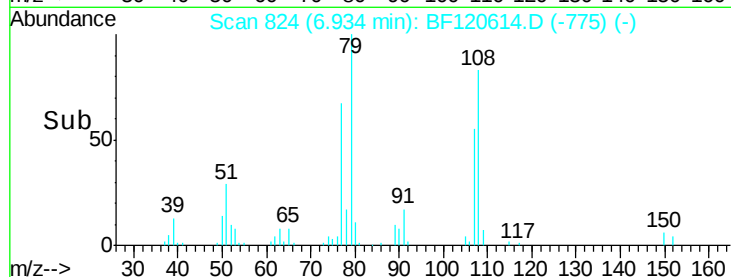
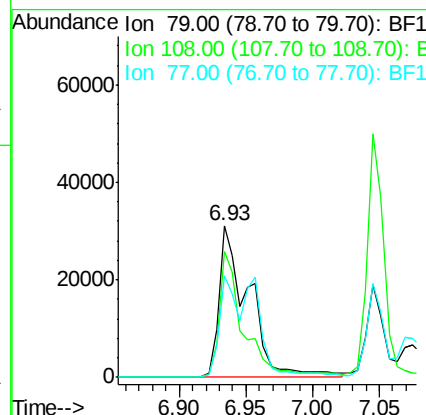
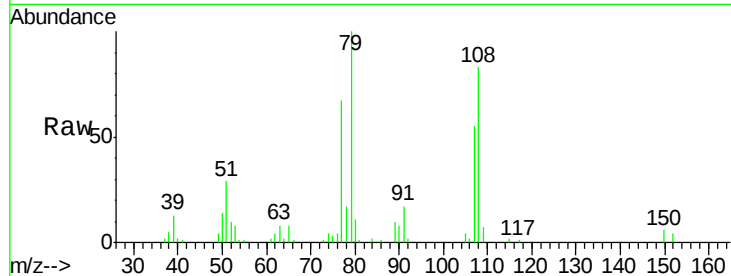
ClientSampleId :

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Tot Ion:	79	Resp:	48822
Ion Ratio	Lower	Upper	
79	100		
108	82.6	66.8	100.2
77	66.6	50.6	76.0

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#16

2,2'-oxybis(1-chloropropane)

Concen: 4.994 ng

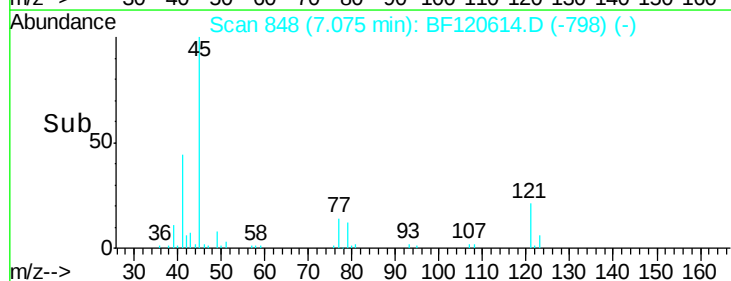
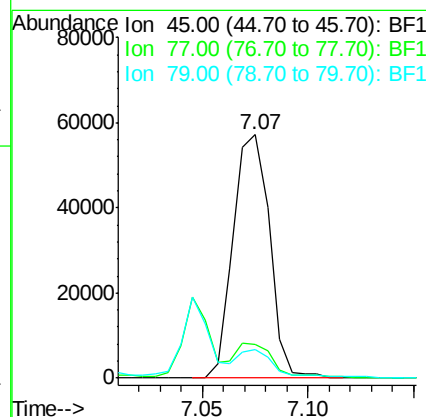
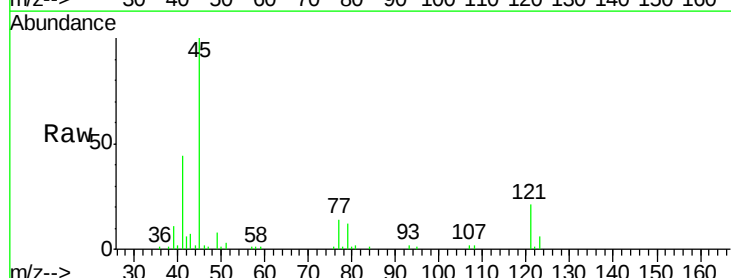
RT: 7.07 min Scan# 848

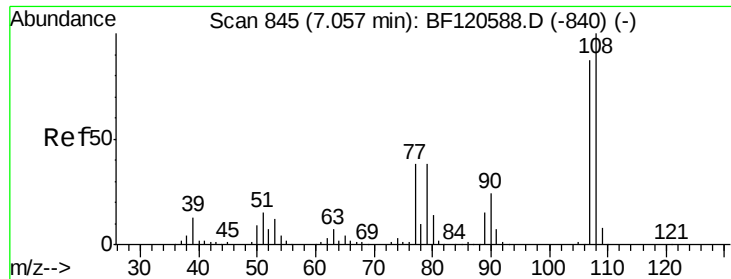
Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Tgt Ion:	45	Resp:	68012
Ion Ratio	Lower	Upper	
45	100		
77	13.9	0.0	34.2
79	11.6	0.0	30.9





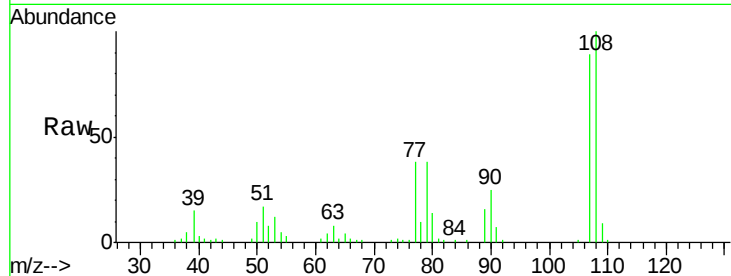
#17
2-Methylphenol
Concen: 4.753 ng
RT: 7.05 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

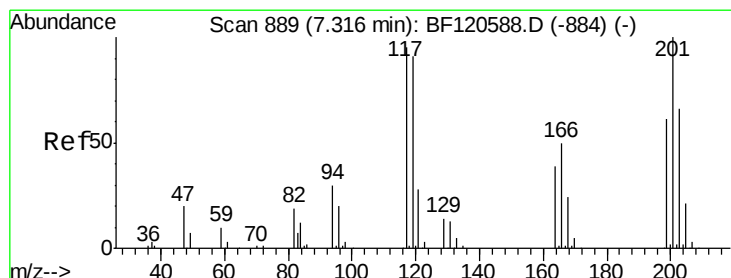
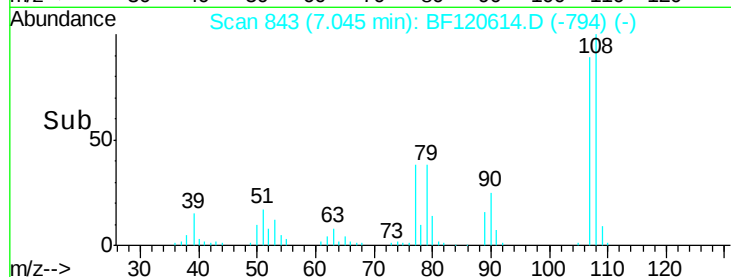
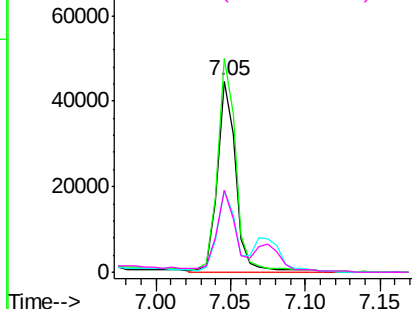
Tot Ion:	107	Resp:	39147
Ion Ratio	Lower	Upper	
107	100		
108	111.9	91.9	137.9
77	43.0	35.4	53.2
79	42.7	34.8	52.2

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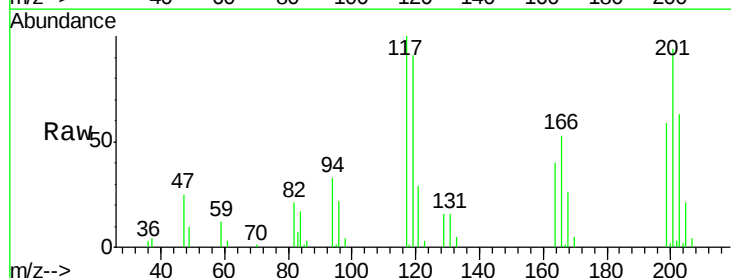


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

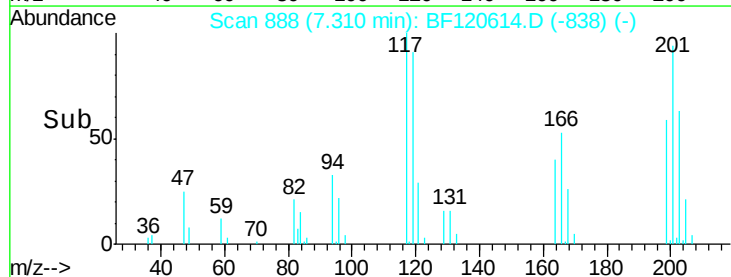
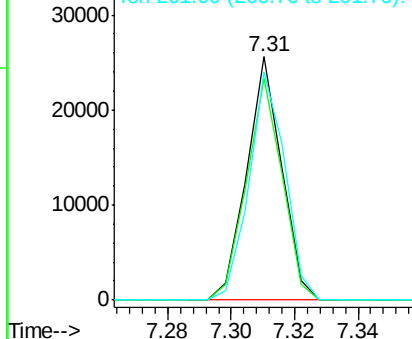


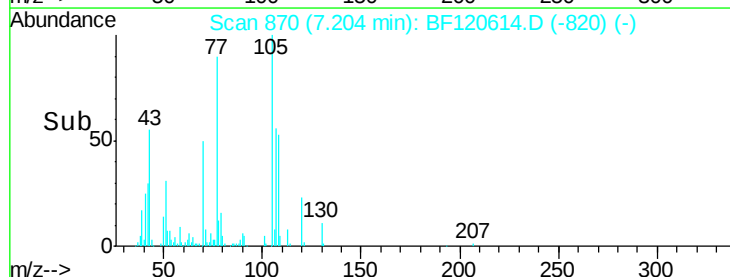
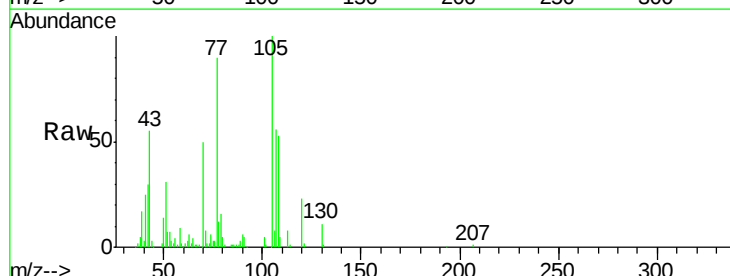
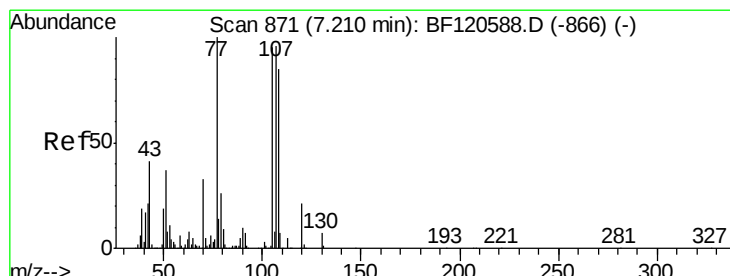
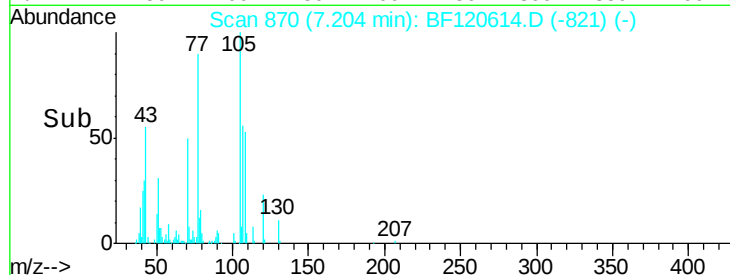
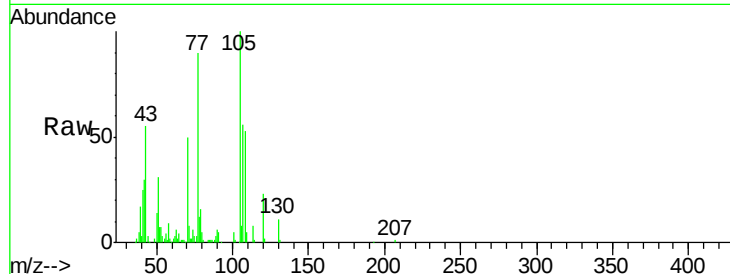
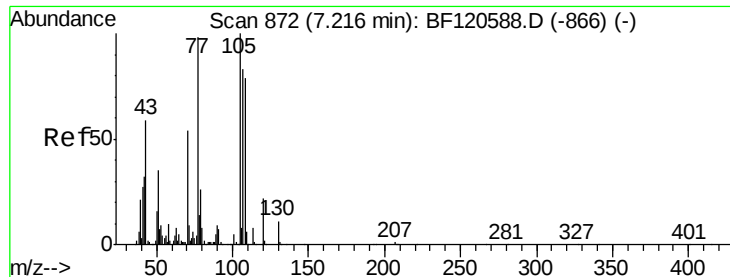
#18
Hexachloroethane
Concen: 5.255 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion:	117	Resp:	19612
Ion Ratio	Lower	Upper	
117	100		
119	91.3	76.9	115.3
201	93.7	84.6	127.0



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





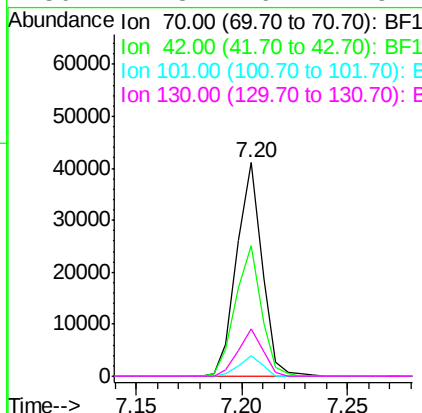
#19
n-Nitroso-di-n-propylamine
Concen: 5.549 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
70	100		
42	60.8	47.7	71.5
101	9.6	7.6	11.4
130	22.3	16.7	25.1

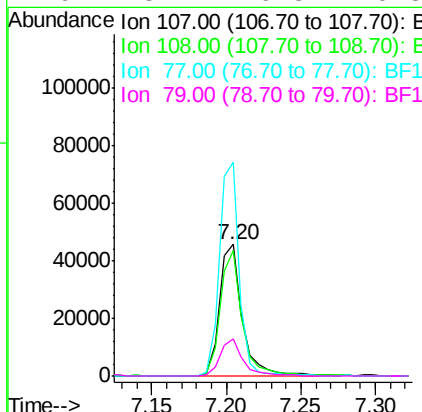
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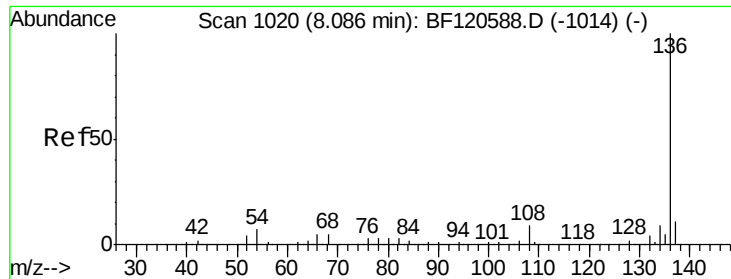
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#20
3+4-Methylphenols
Concen: 4.825 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
107	100		
108	95.1	68.7	108.7
77	162.5	84.2	124.2#
79	28.1	6.8	46.8





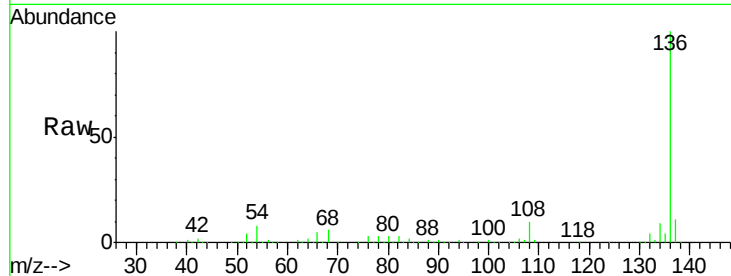
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

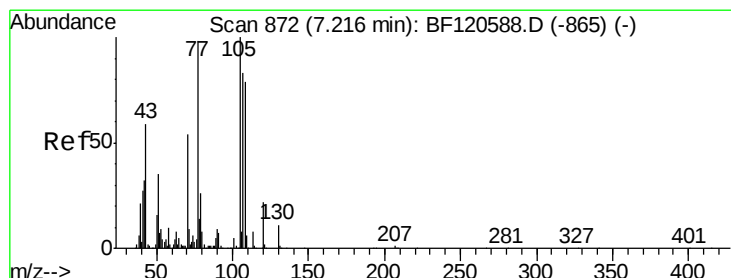
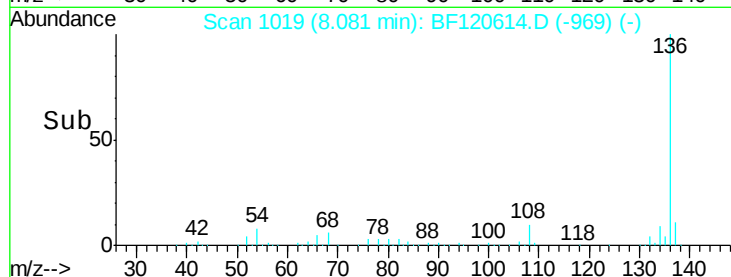
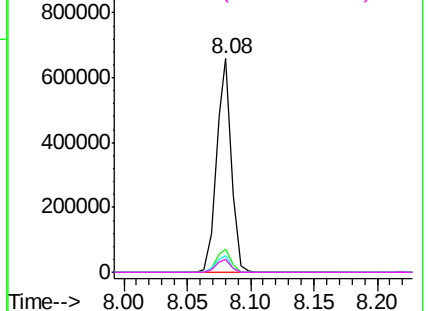
Tot Ion	Ratio	Resp	Lower	Upper
136	100	542481		
137	10.8		8.6	13.0
54	7.5		5.8	8.6
68	5.8		4.4	6.6

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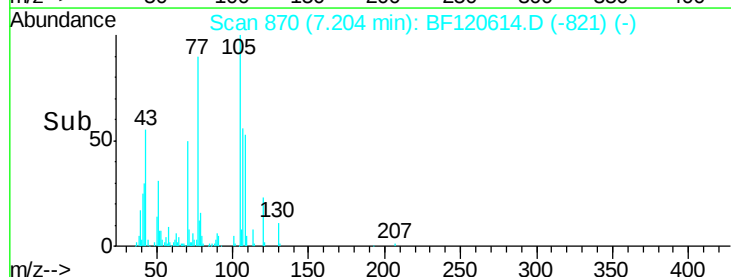
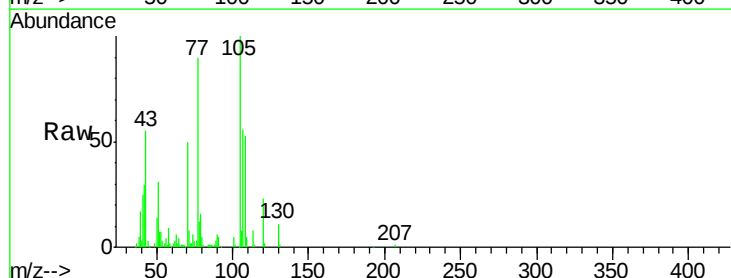
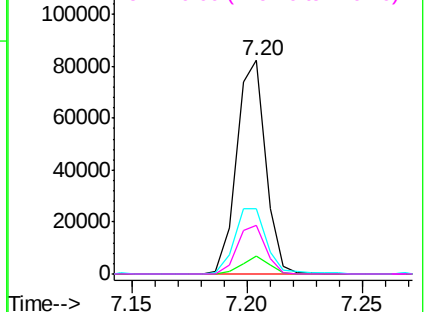
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

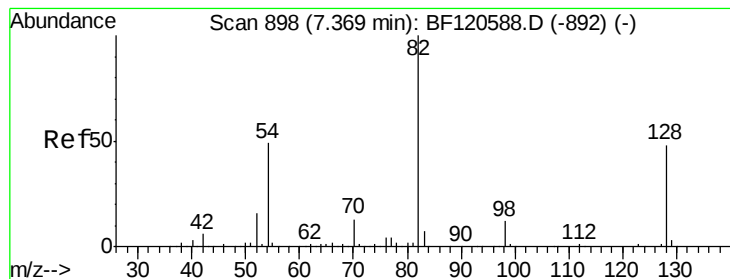


#22
Acetophenone
Concen: 5.937 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	72002		
71	8.3		7.2	10.8
51	30.6		27.8	41.8
120	22.5		18.0	27.0

Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 102.821 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

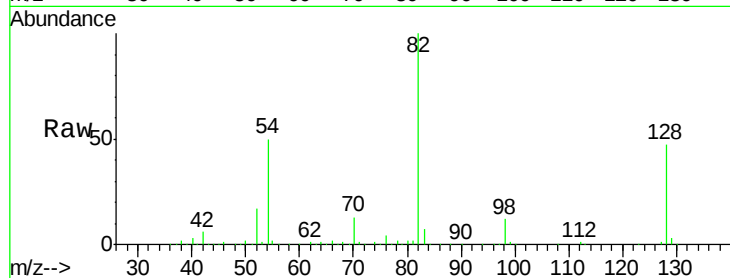
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

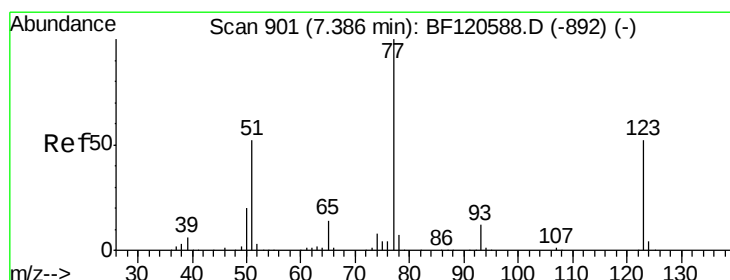
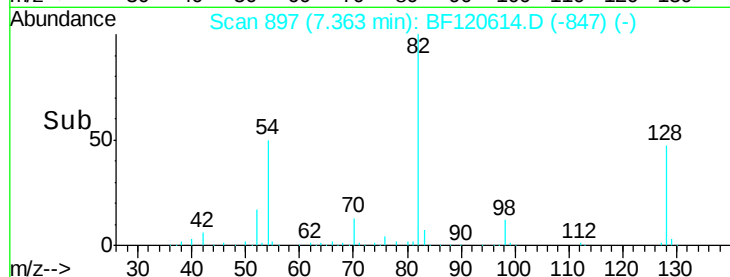
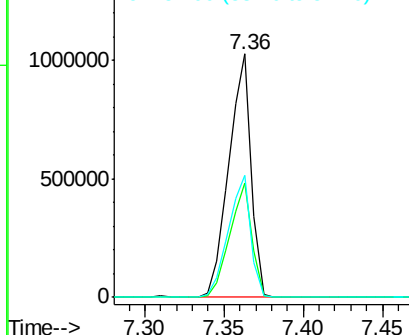
Tot Ion:	82	Resp:	997881
Ion Ratio	Lower	Upper	
82	100		
128	47.2	38.0	57.0
54	49.9	38.8	58.2

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Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 5.265 ng

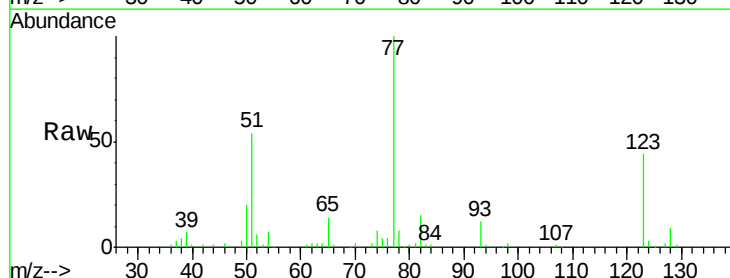
RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

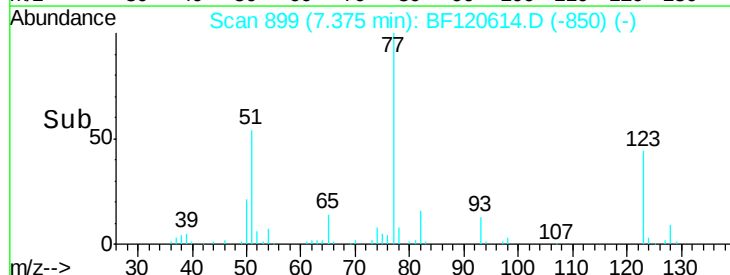
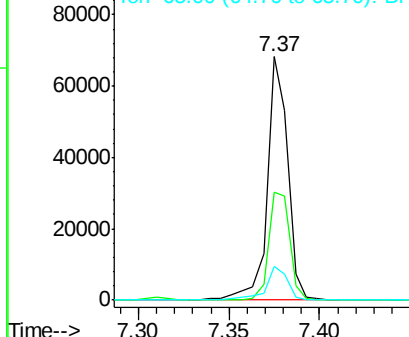
Lab File: BF120614.D

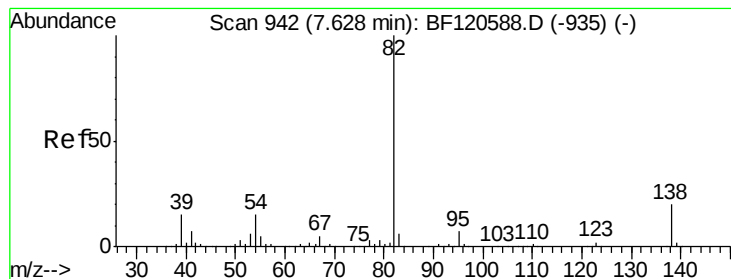
Acq: 12 Jun 2020 16:53

Tgt Ion:	77	Resp:	53475
Ion Ratio	Lower	Upper	
77	100		
123	44.5	41.4	62.0
65	14.0	11.0	16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 4.920 ng

RT: 7.61 min Scan# 939

Delta R.T. -0.02 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

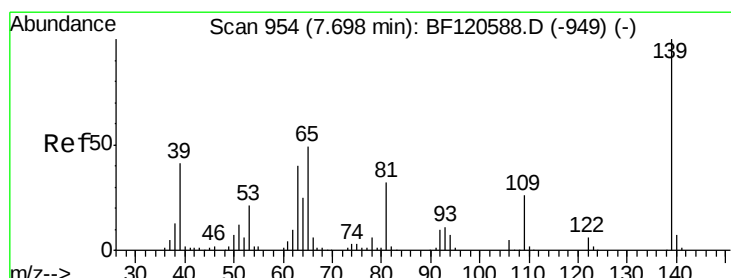
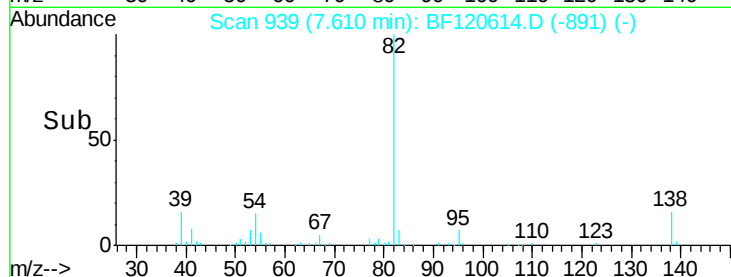
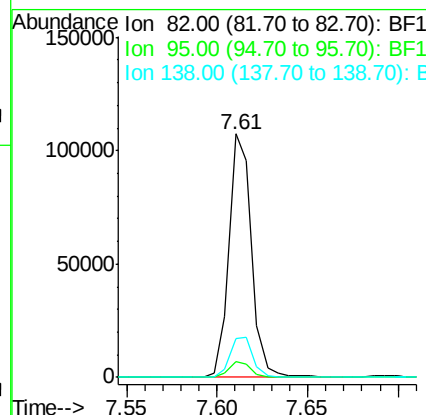
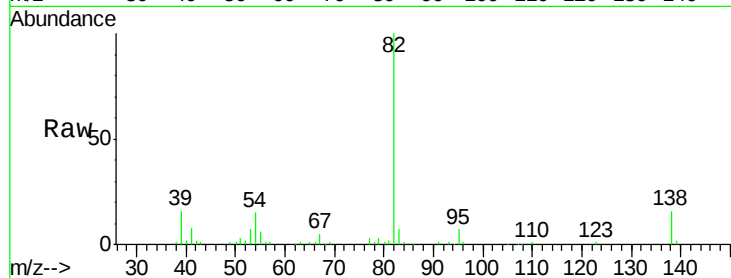
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	82	Resp:	93010
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.7	8.5
138	15.9	16.2	24.4#

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#26

2-Nitrophenol

Concen: 4.331 ng

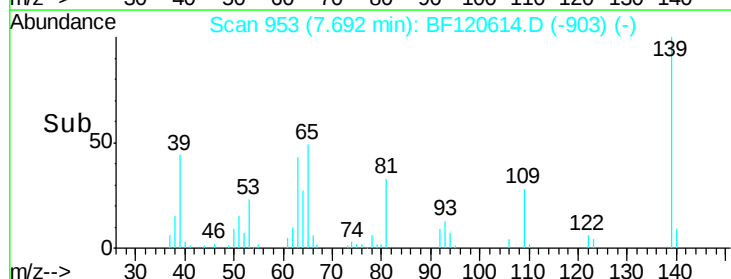
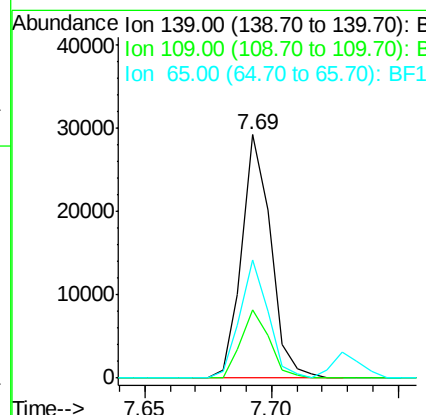
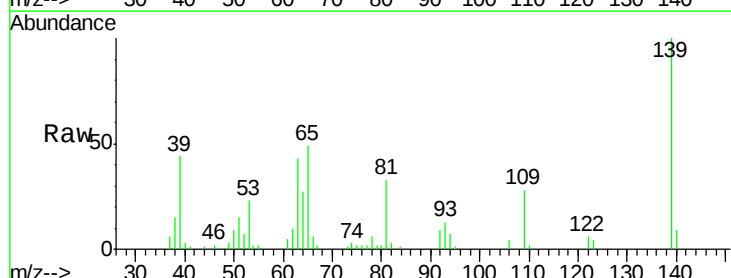
RT: 7.69 min Scan# 953

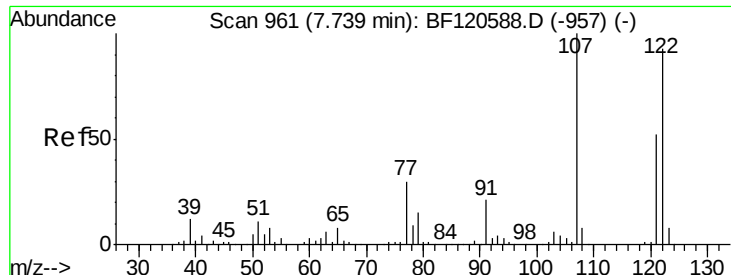
Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Tgt Ion:	139	Resp:	23272
Ion Ratio	Lower	Upper	
139	100		
109	28.3	21.1	31.7
65	48.6	39.4	59.0





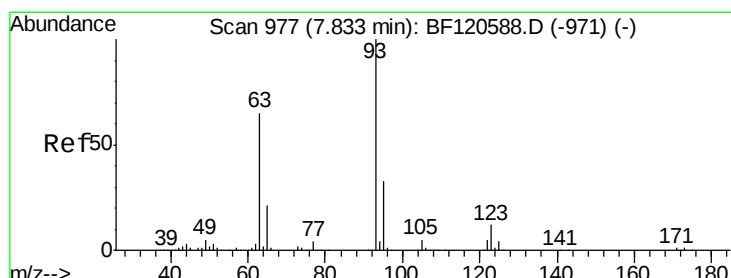
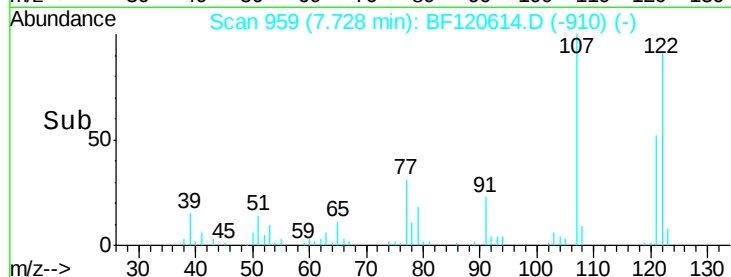
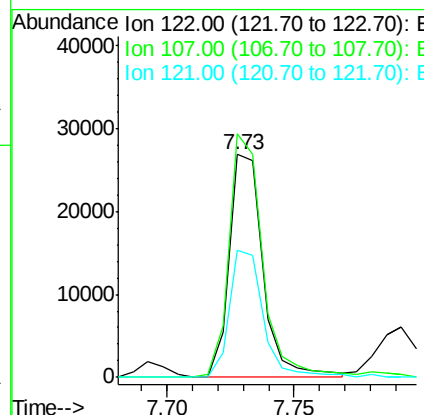
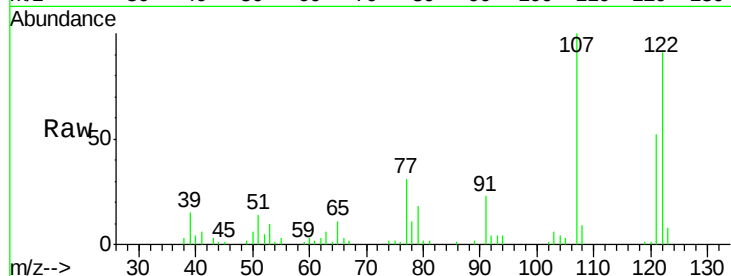
#27
2,4-Dimethylphenol
Concen: 3.154 ng
RT: 7.73 min Scan# 959
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
122	100		
107	109.4	86.4	129.6
121	57.0	45.2	67.8

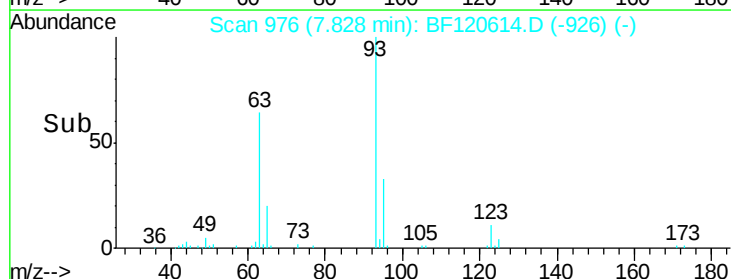
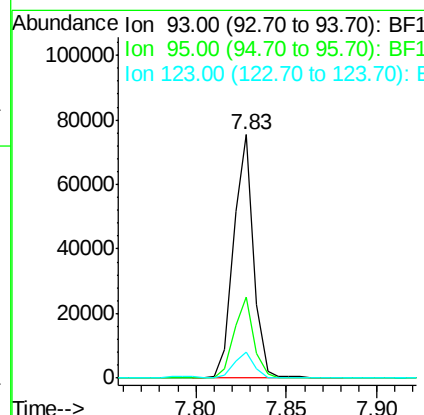
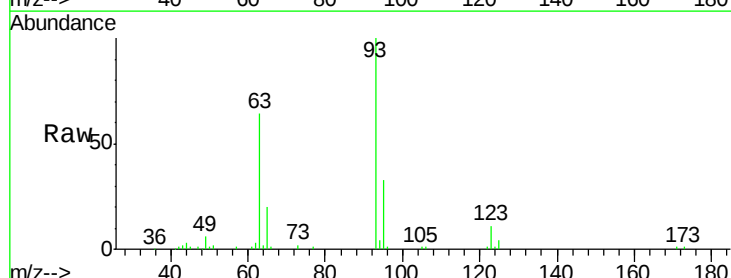
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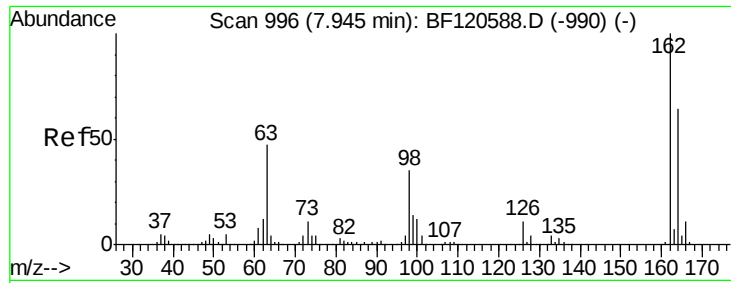
mohammad
6/15/2020 8:46:49 AM



#28
bis(2-Chloroethoxy)methane
Concen: 5.236 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.4	26.2	39.4
123	10.5	9.5	14.3





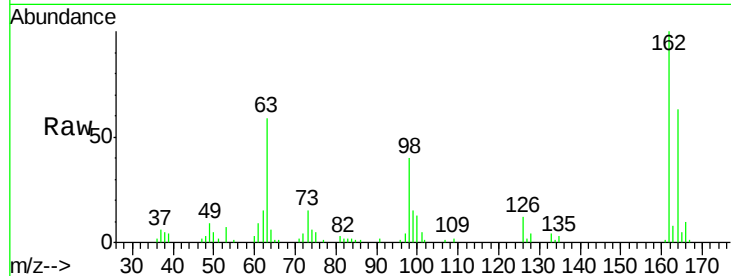
#29
2,4-Dichlorophenol
Concen: 4.723 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

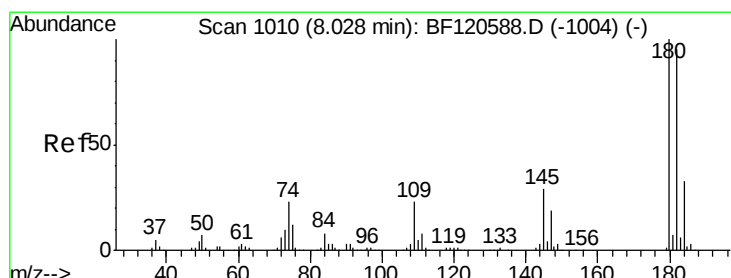
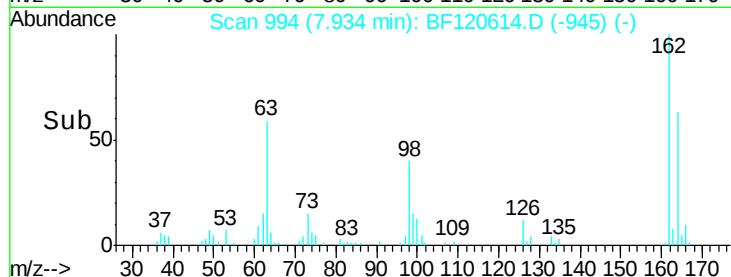
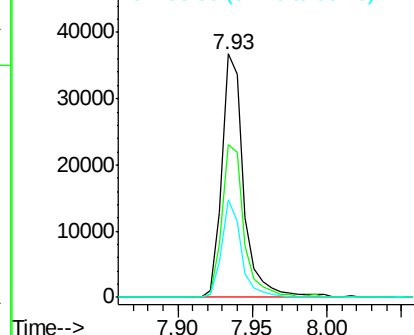
Tot Ion	Ratio	Resp	Lower	Upper
162	100	37984		
164	62.7		44.1	84.1
98	40.1		14.7	54.7

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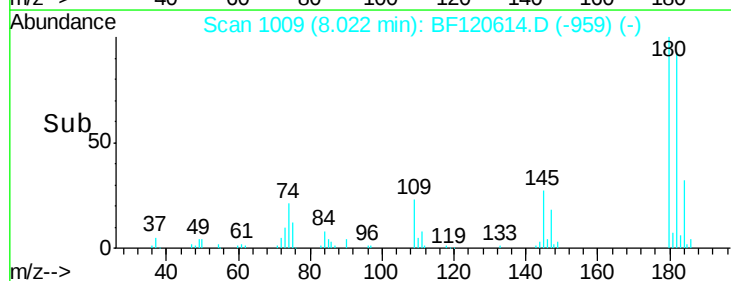
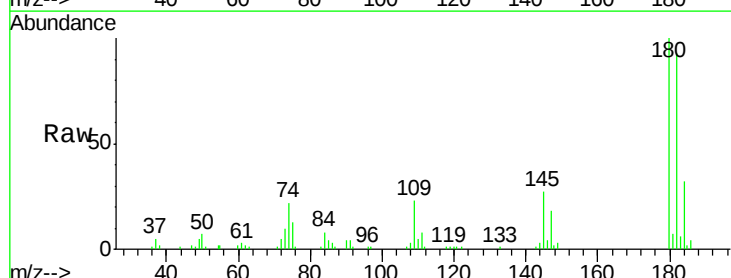
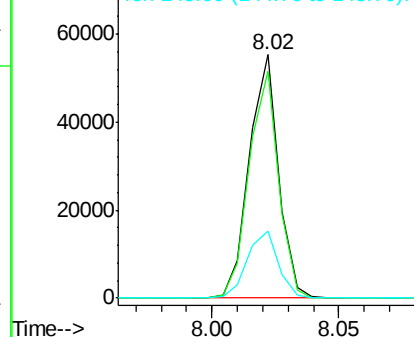
Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

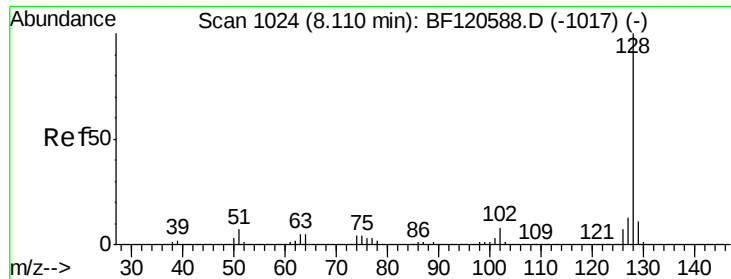


#30
1,2,4-Trichlorobenzene
Concen: 4.978 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	44362		
182	93.2		75.8	113.6
145	27.4		23.0	34.6

Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





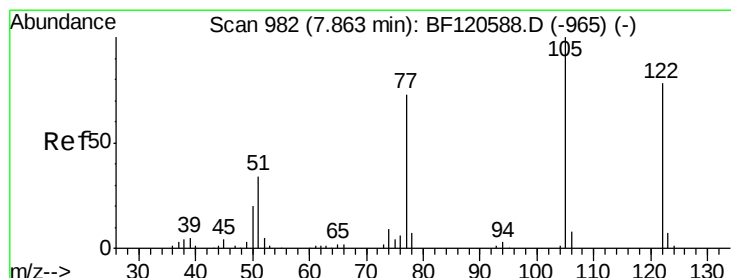
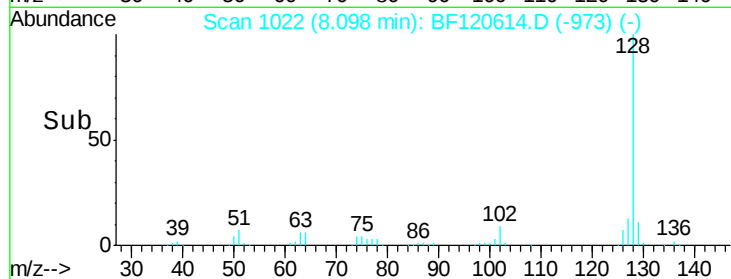
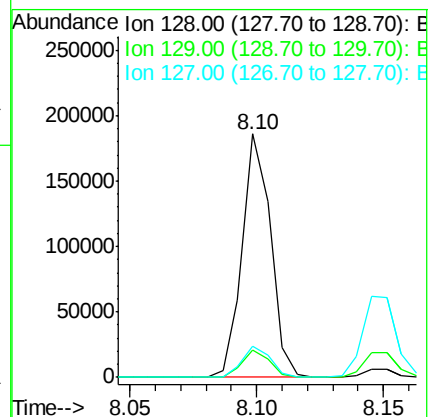
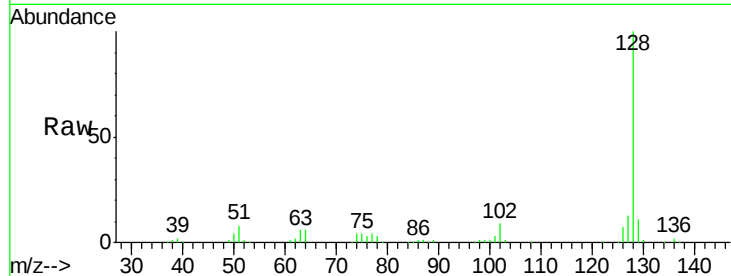
#31
Naphthalene
Concen: 5.440 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.0	10.6	15.8

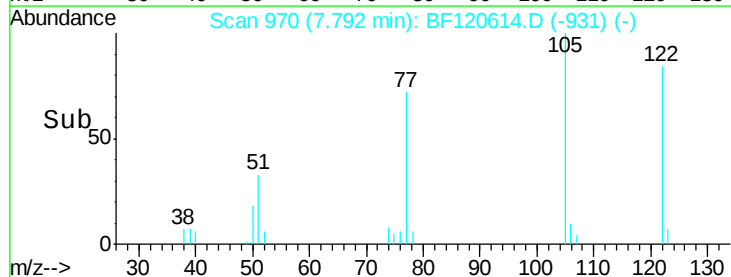
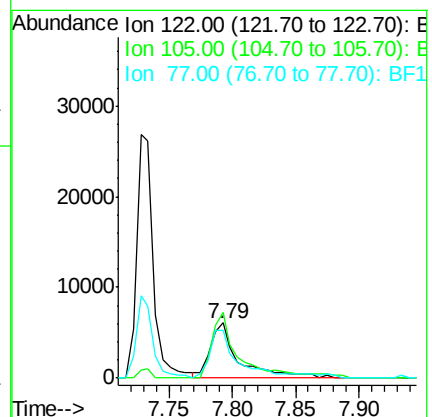
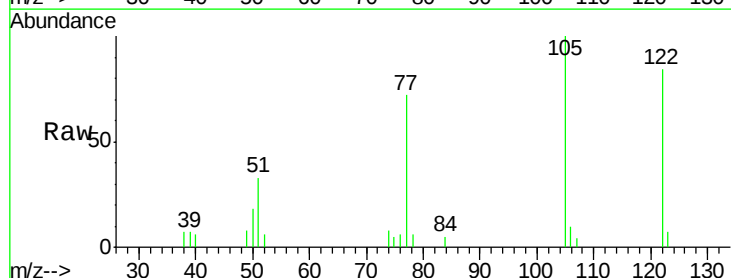
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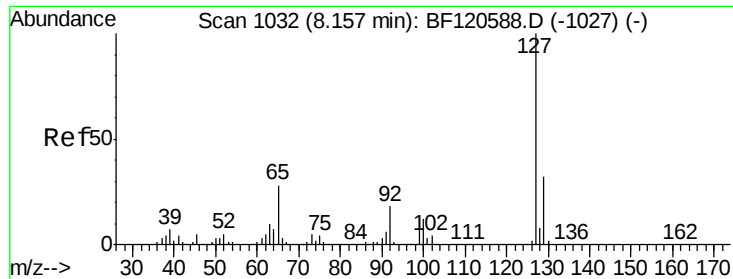
mohammad
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#32
Benzoic acid
Concen: 1.588 ng
RT: 7.79 min Scan# 970
Delta R.T. -0.07 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
122	100		
105	118.4	101.0	141.0
77	85.7	69.8	109.8





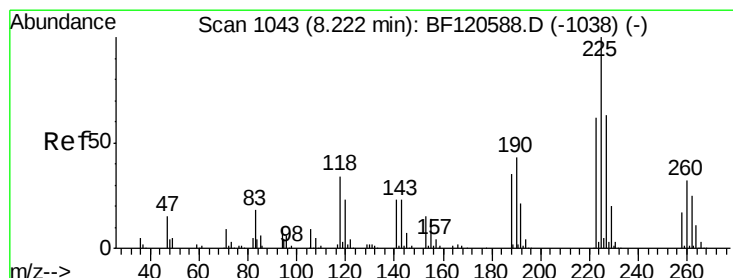
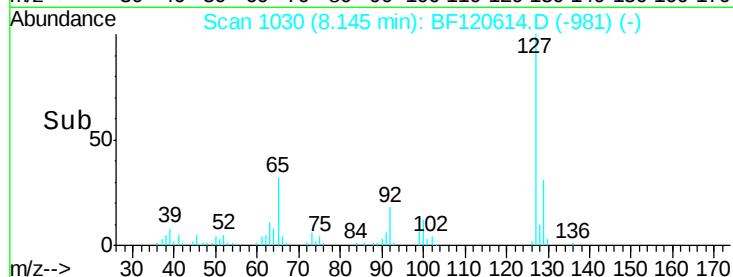
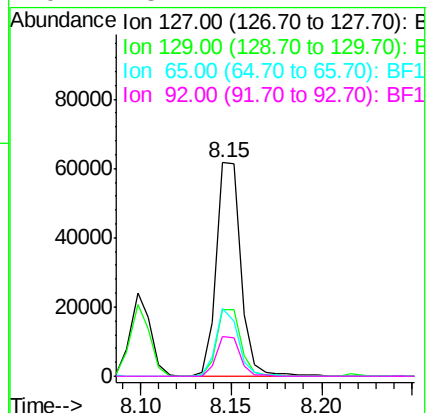
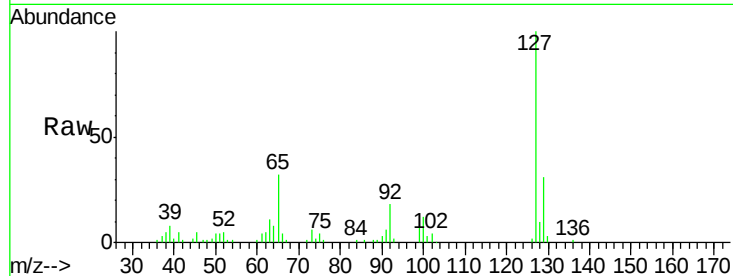
#33
4-Chloroaniline
Concen: 4.754 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		58126		
129	31.4	25.9	38.9		
65	31.7	22.2	33.4		
92	18.4	14.2	21.2		

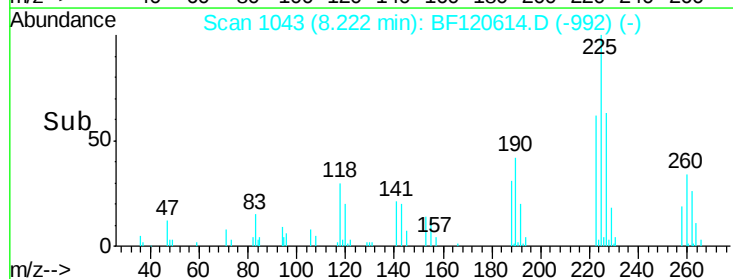
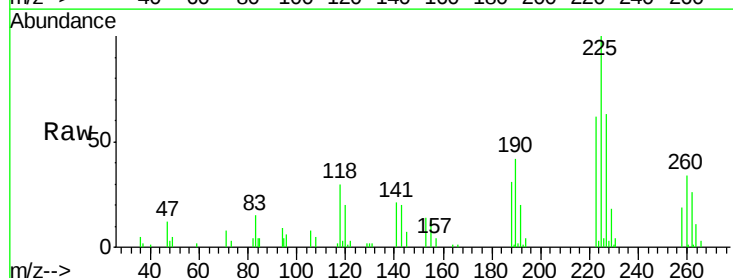
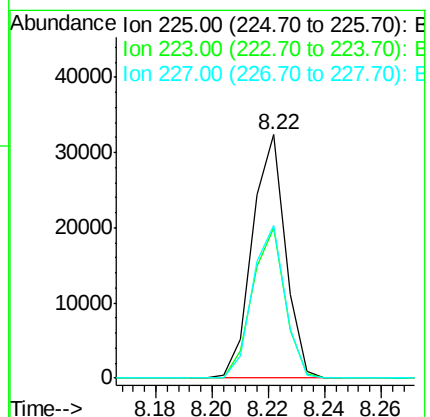
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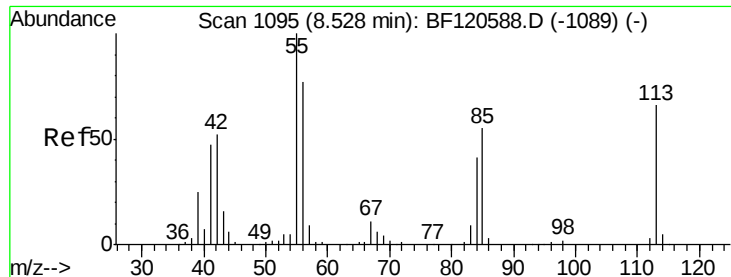
mohammad
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#34
Hexachlorobutadiene
Concen: 5.049 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		26230		
223	61.9	49.9	74.9		
227	62.7	50.5	75.7		





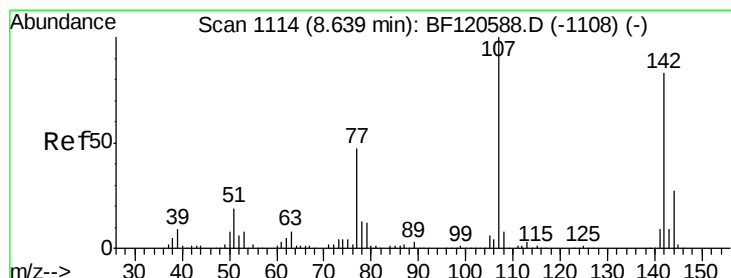
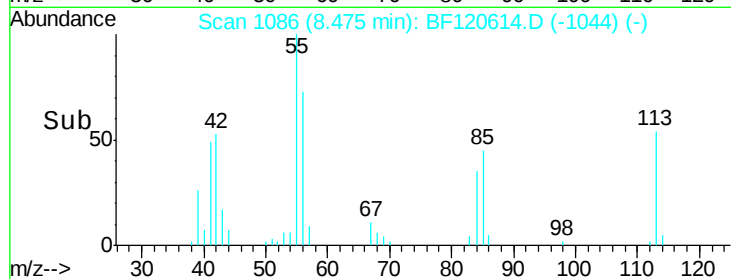
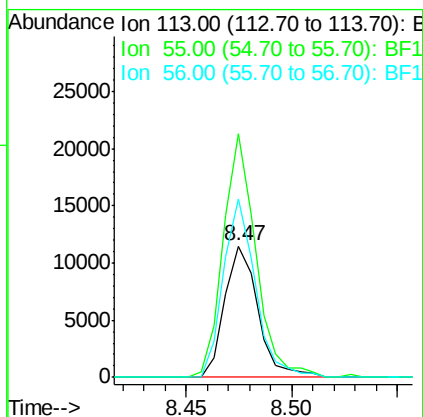
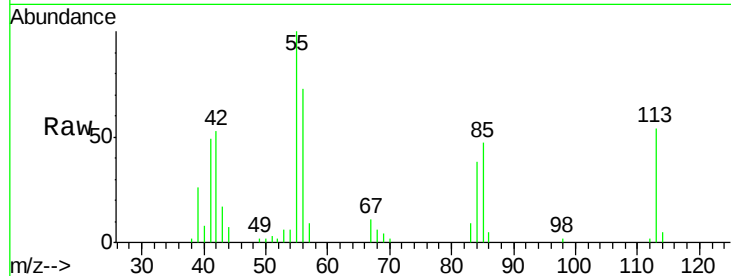
#35
Caprolactam
Concen: 4.870 ng
RT: 8.47 min Scan# 1086
Delta R.T. -0.05 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:113 Resp: 12526
Ion Ratio Lower Upper
113 100
55 185.3 133.1 173.1#
56 136.0 98.4 138.4

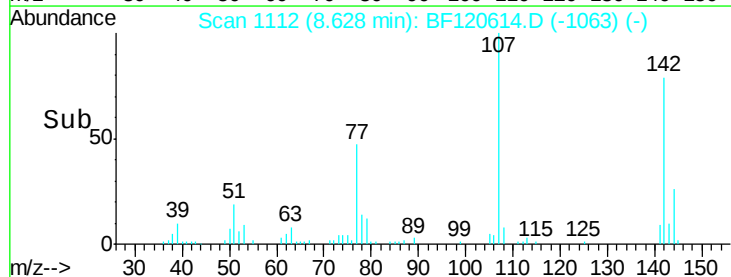
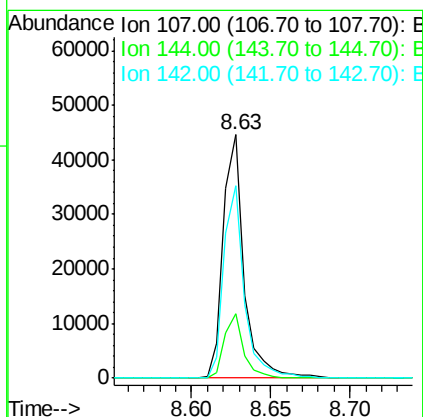
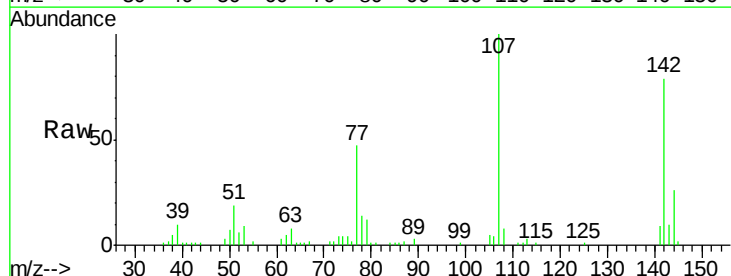
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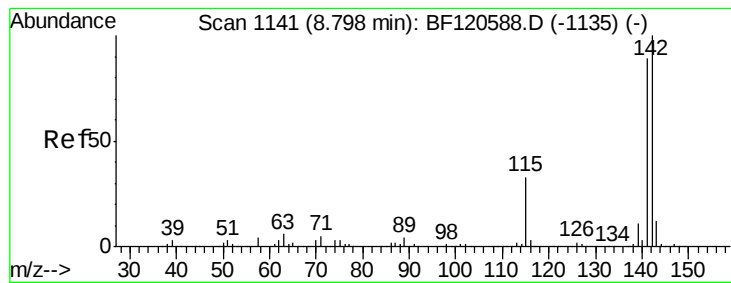
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 5.059 ng
RT: 8.63 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion:107 Resp: 40648
Ion Ratio Lower Upper
107 100
144 26.2 21.4 32.2
142 79.3 66.3 99.5





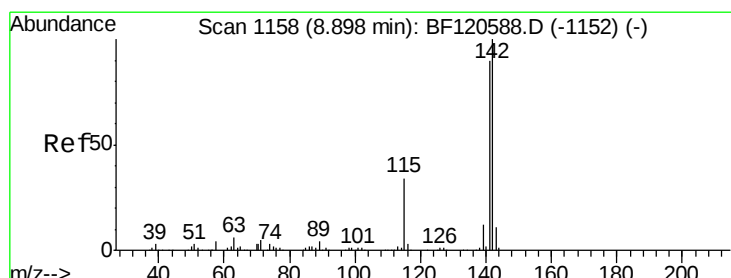
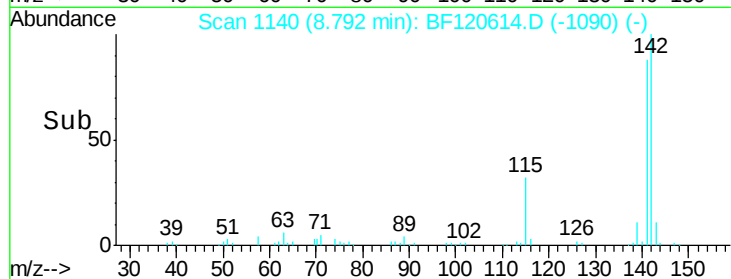
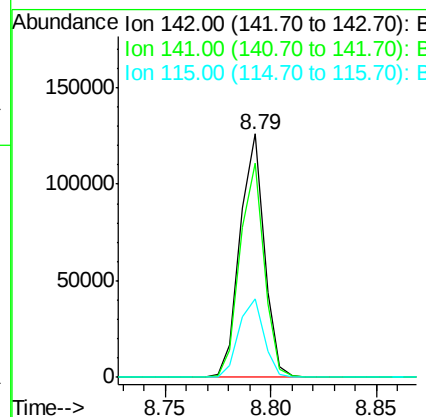
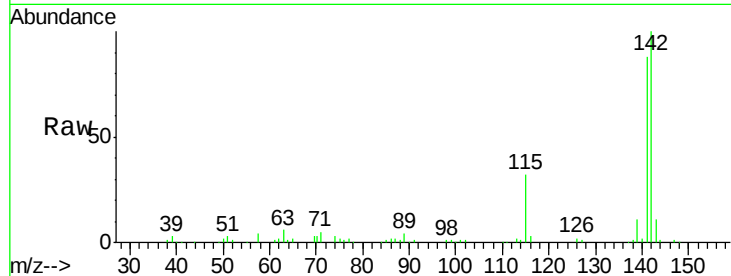
#37
2-Methylnaphthalene
Concen: 5.736 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.4	107.0
115	32.1	26.1	39.1

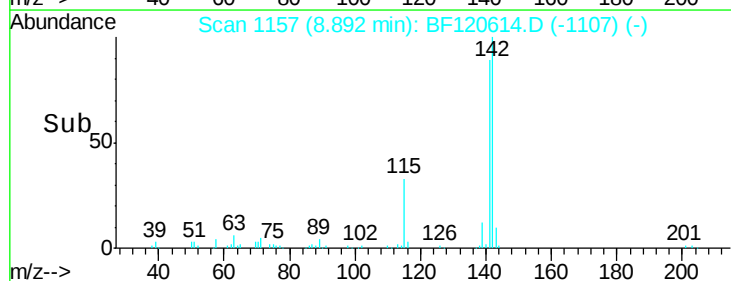
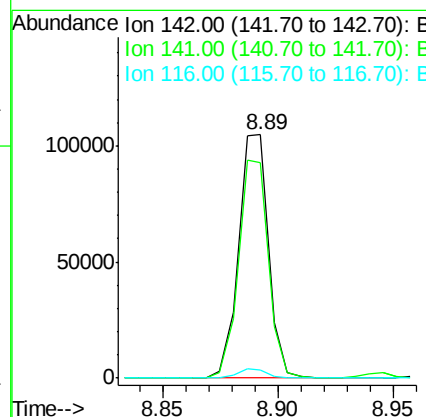
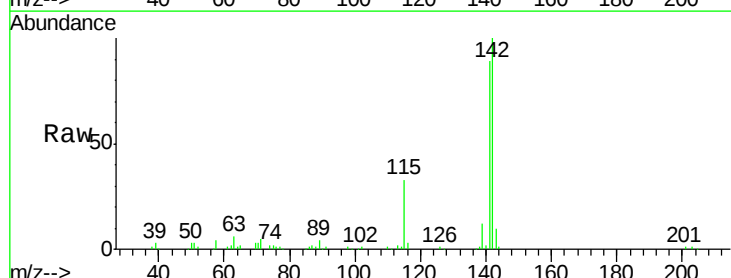
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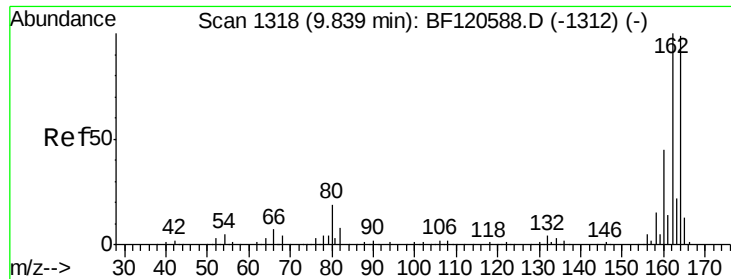
mohammad
6/15/2020 8:46:49 AM



#38
1-Methylnaphthalene
Concen: 5.762 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.5	72.1	108.1
116	3.3	2.7	4.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

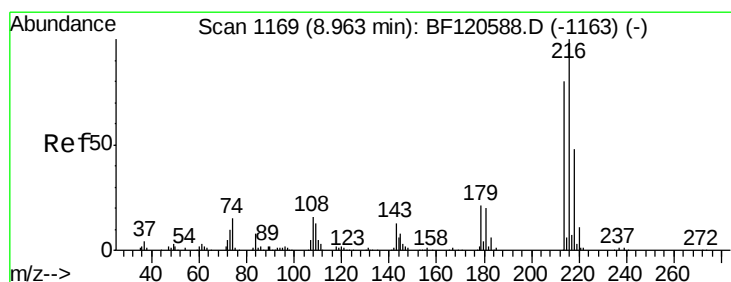
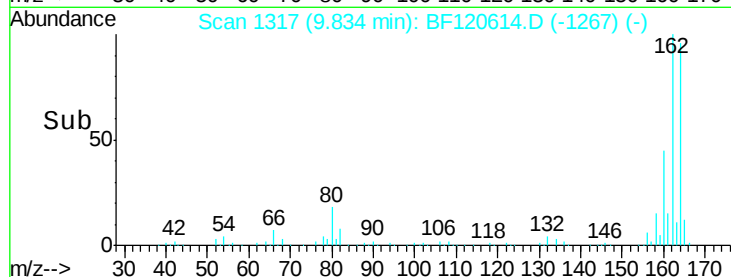
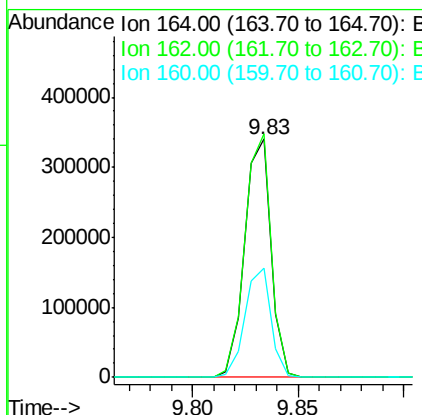
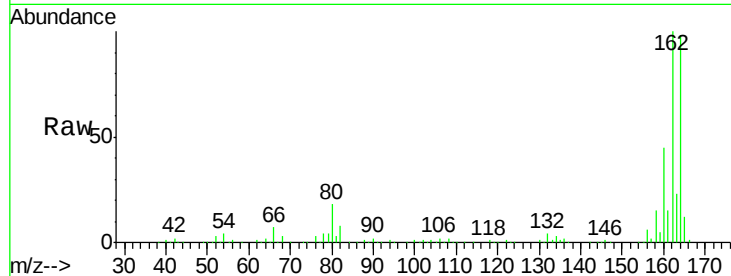
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	164	Resp:	294960
Ion Ratio	Lower	Upper	
164	100		
162	102.4	80.6	120.8
160	46.2	36.2	54.2

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.398 ng

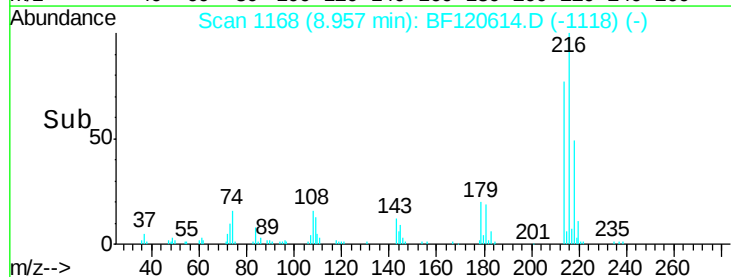
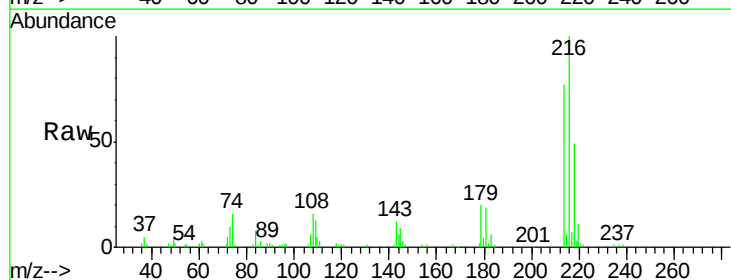
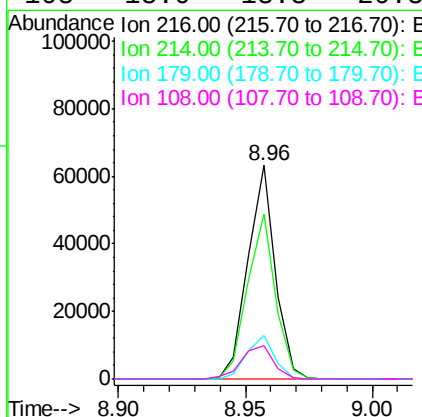
RT: 8.96 min Scan# 1168

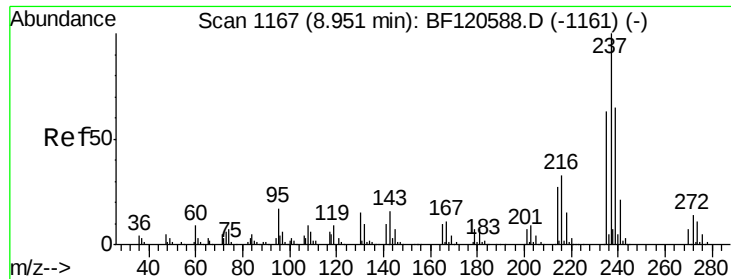
Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Tgt Ion:	216	Resp:	47545
Ion Ratio	Lower	Upper	
216	100		
214	79.0	63.8	95.6
179	20.7	16.4	24.6
108	18.0	13.8	20.8





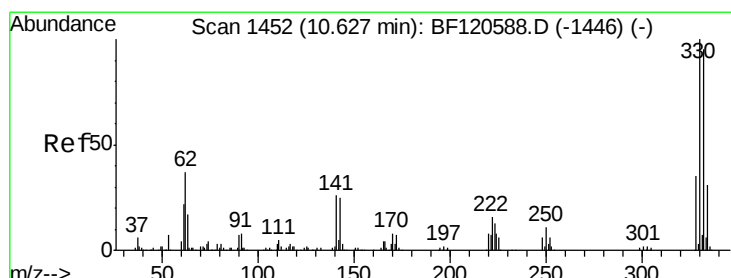
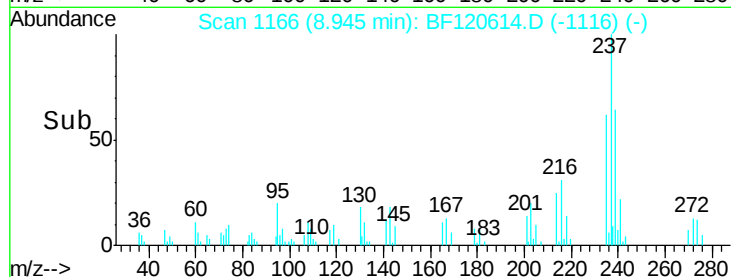
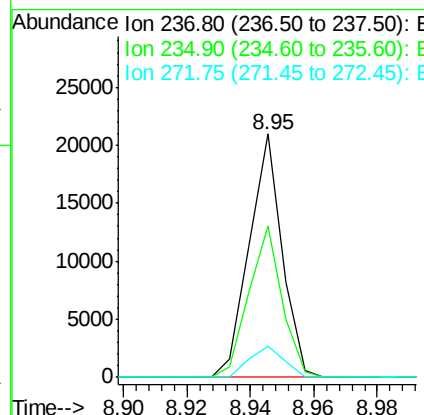
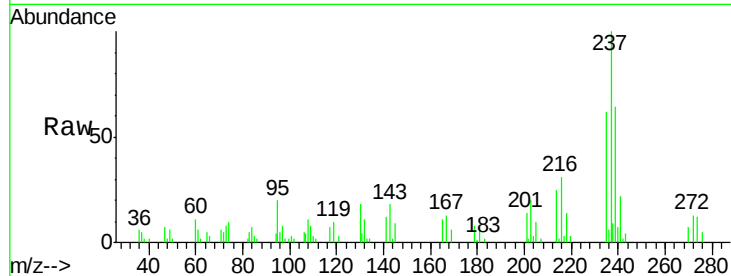
#41
Hexachlorocyclopentadiene
Concen: 3.055 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
237	100		
235	62.3	43.2	83.2
272	12.8	0.0	33.9

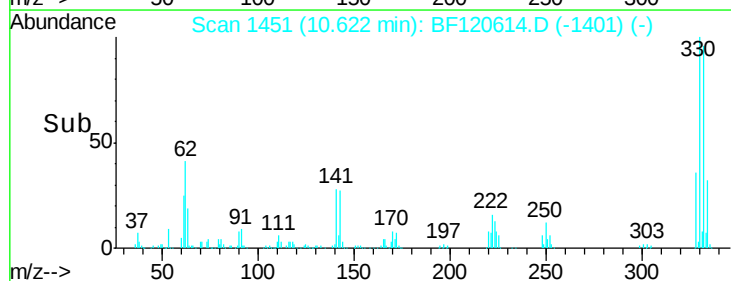
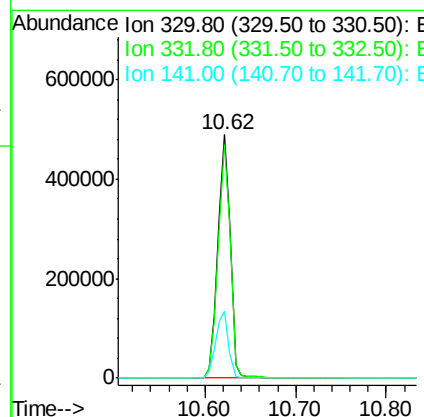
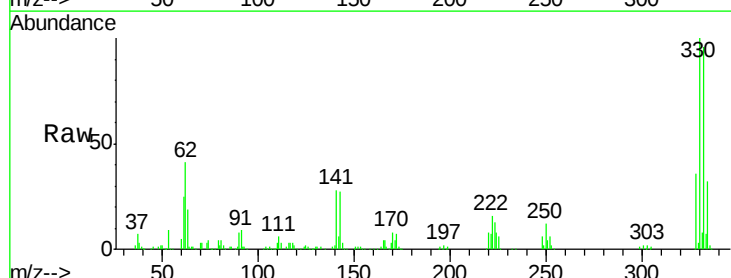
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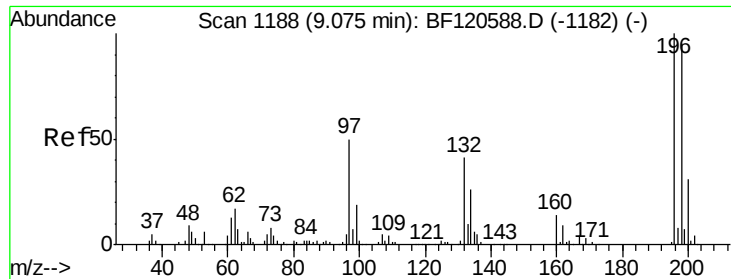
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#42
2,4,6-Tribromophenol
Concen: 138.236 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.8	115.2
141	28.6	23.2	34.8





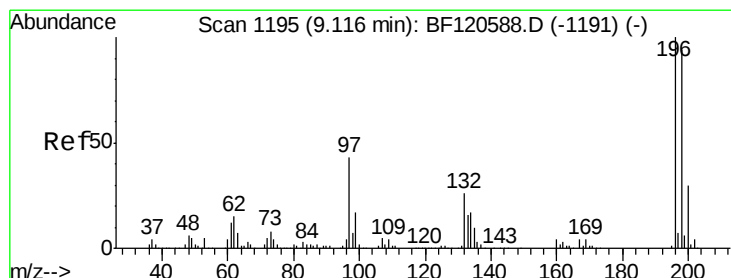
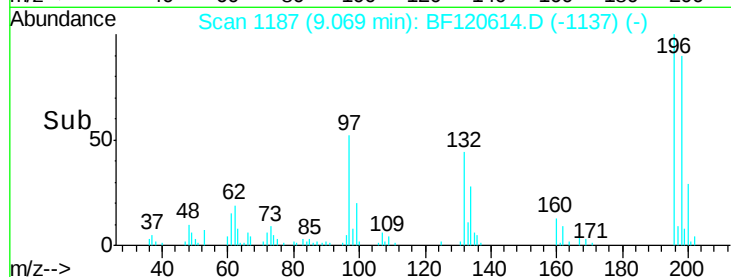
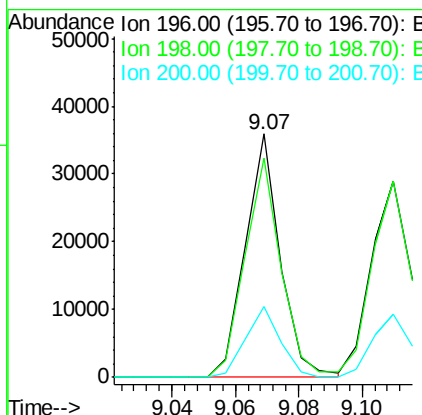
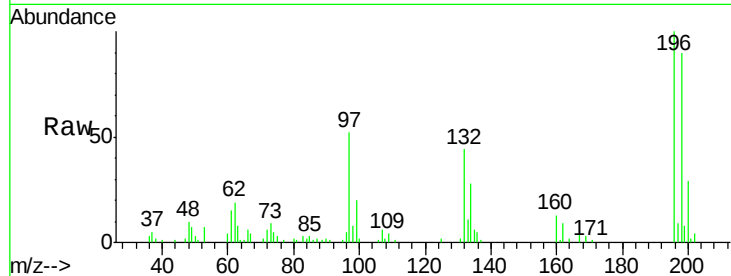
#43
 2,4,6-Trichlorophenol
 Concen: 4.390 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
196	100		
198	90.3	76.2	114.2
200	29.1	24.6	37.0

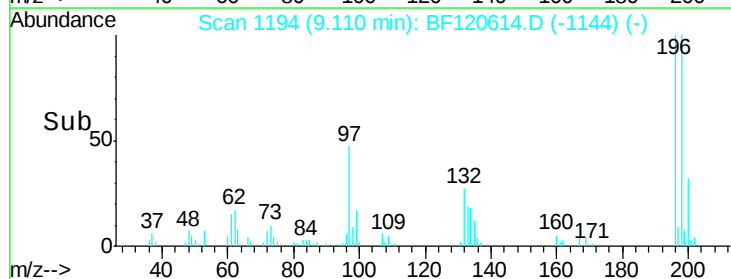
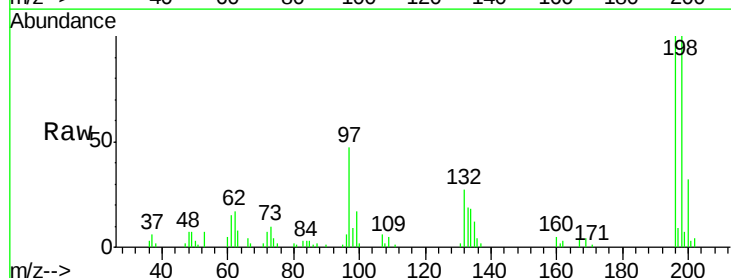
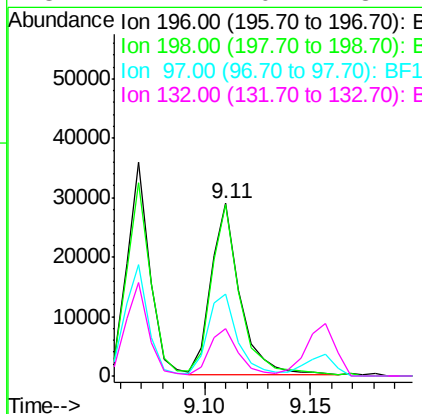
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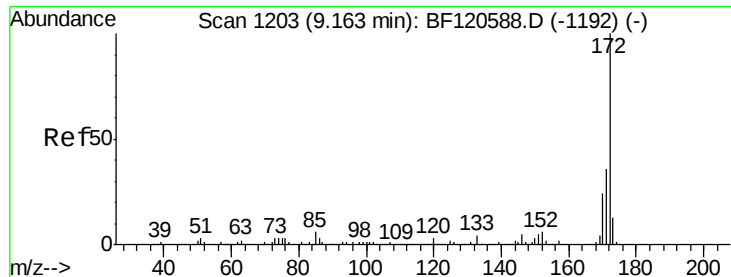
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#44
 2,4,5-Trichlorophenol
 Concen: 3.894 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
196	100		
198	99.8	75.5	113.3
97	47.2	34.4	51.6
132	27.2	20.7	31.1





#45

2-Fluorobiphenyl

Concen: 94.367 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:172 Resp: 1819257

Ion Ratio Lower Upper

172 100

171 36.4 29.0 43.4

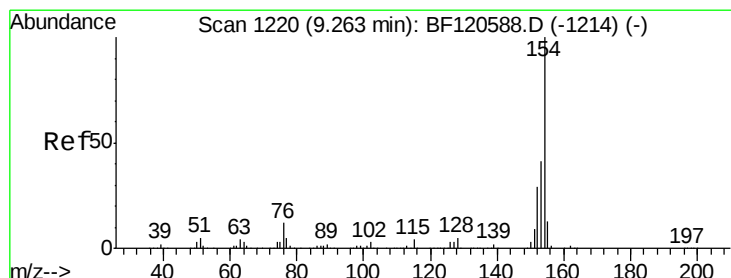
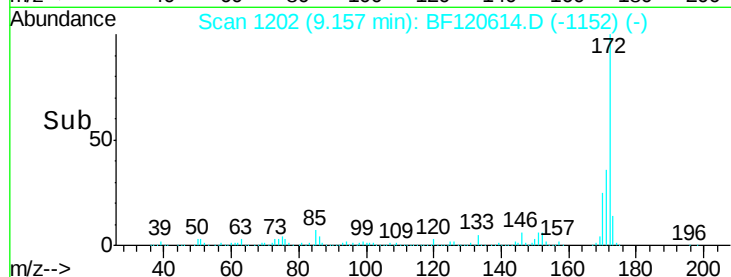
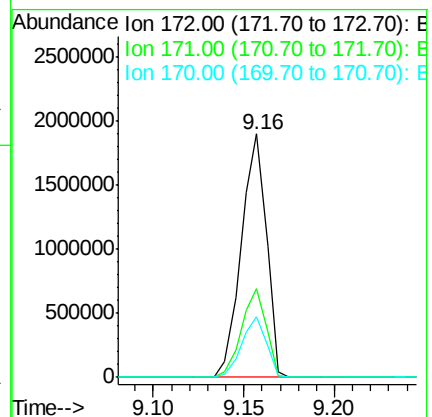
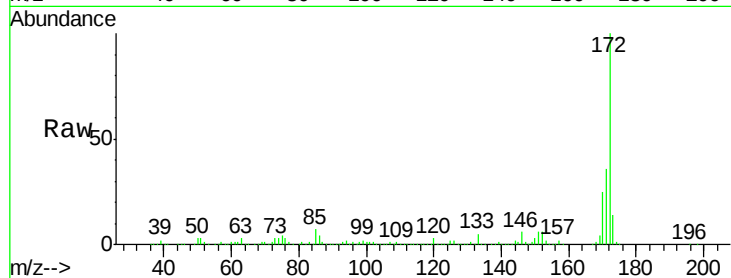
170 24.9 19.4 29.2

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#46

1,1'-Biphenyl

Concen: 5.857 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

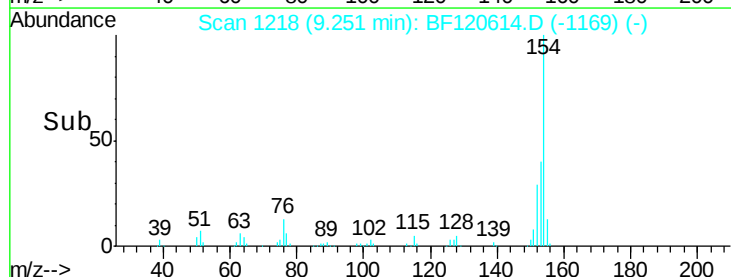
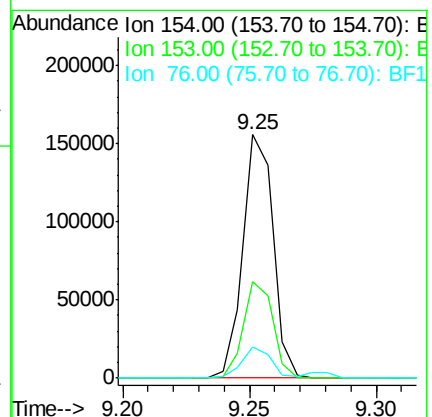
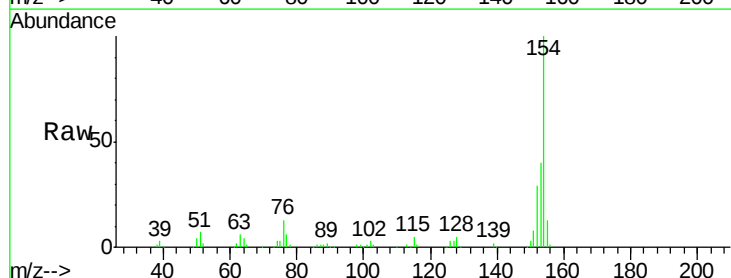
Tgt Ion:154 Resp: 128998

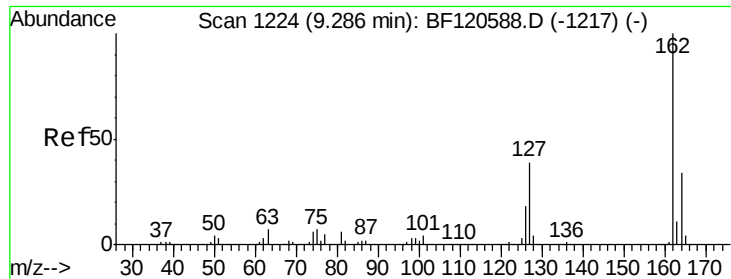
Ion Ratio Lower Upper

154 100

153 39.7 21.4 61.4

76 12.6 0.0 31.6





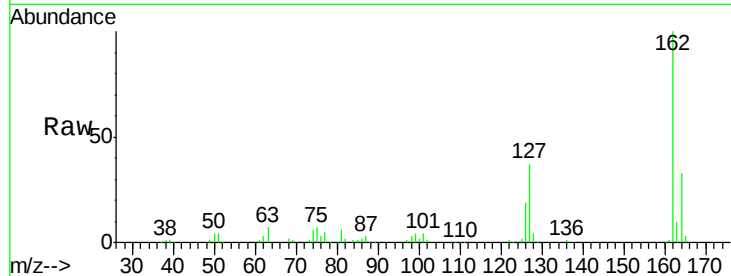
#47
2-Chloronaphthalene
Concen: 5.080 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

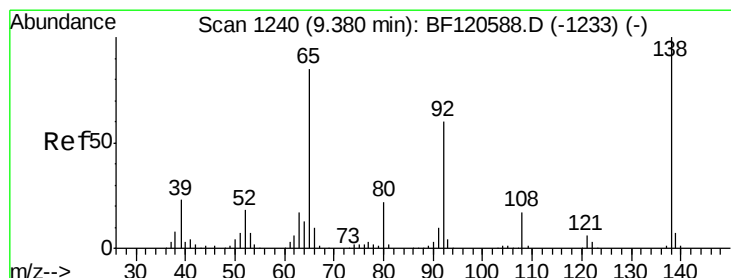
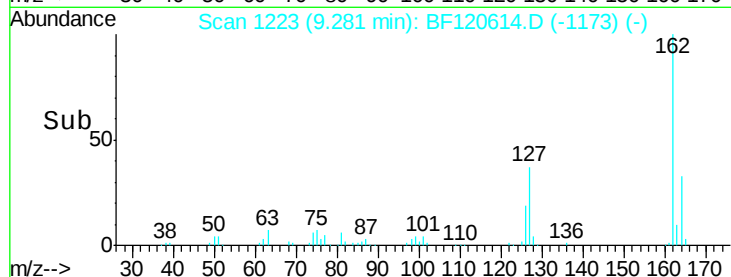
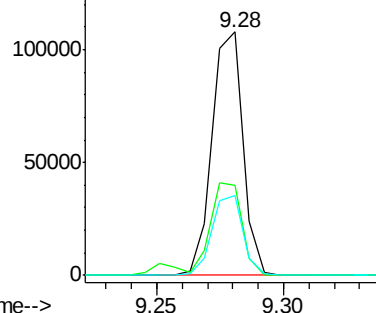
Tot Ion	Ratio	Lower	Upper
162	100		
127	37.1	31.3	46.9
164	32.7	26.9	40.3

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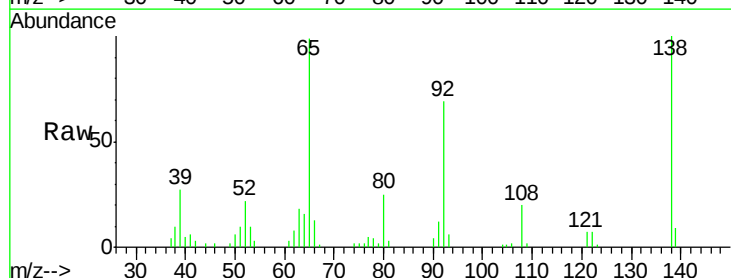


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

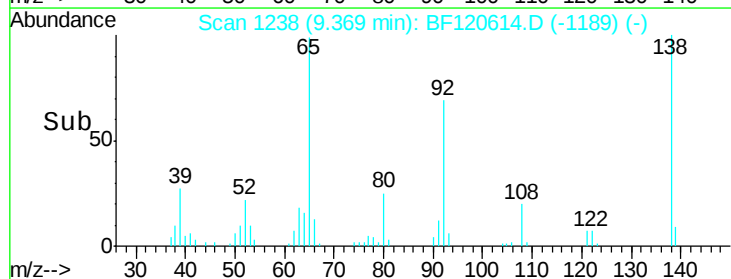
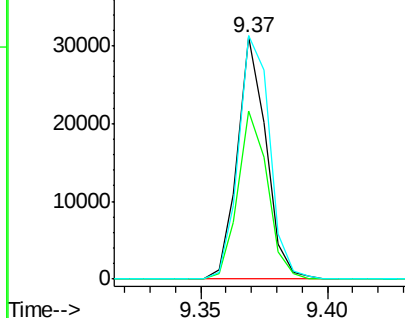


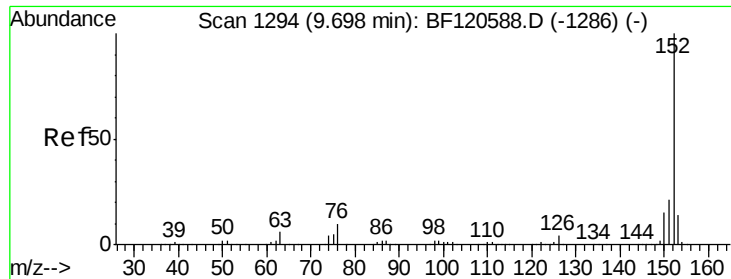
#48
2-Nitroaniline
Concen: 4.316 ng
RT: 9.37 min Scan# 1238
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
65	100		
92	69.7	56.0	84.0
138	100.6	94.0	141.0



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





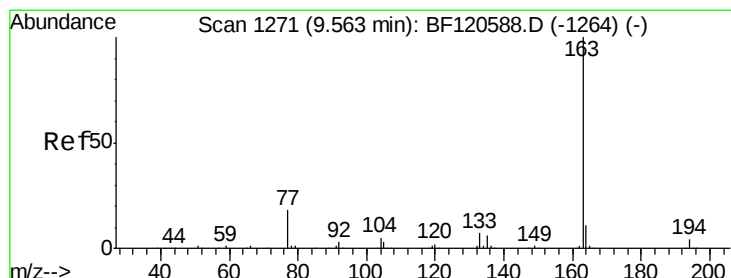
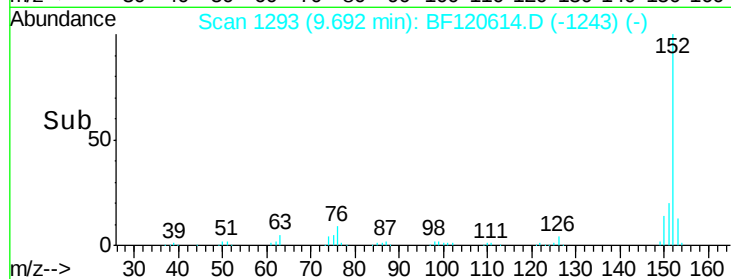
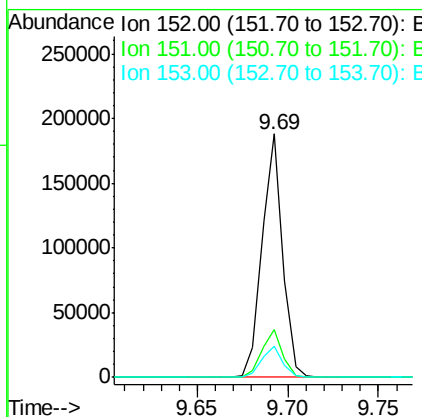
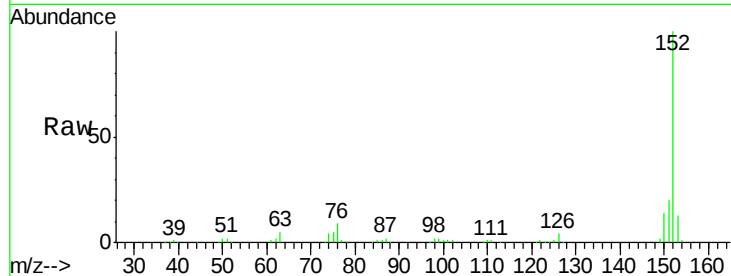
#49
Acenaphthylene
Concen: 5.326 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		148040		
151	19.7	16.6	25.0		
153	13.0	11.0	16.6		

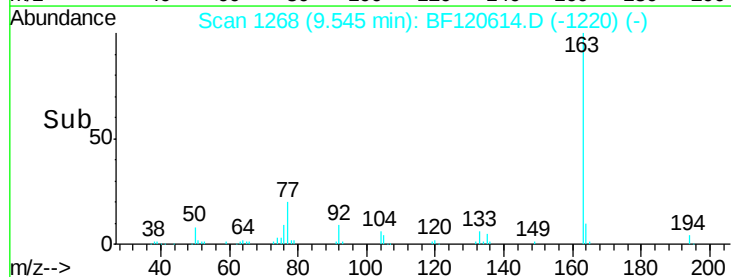
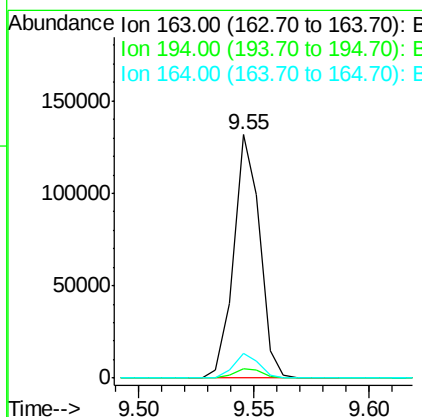
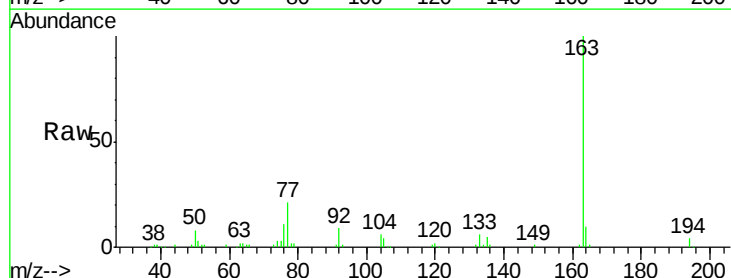
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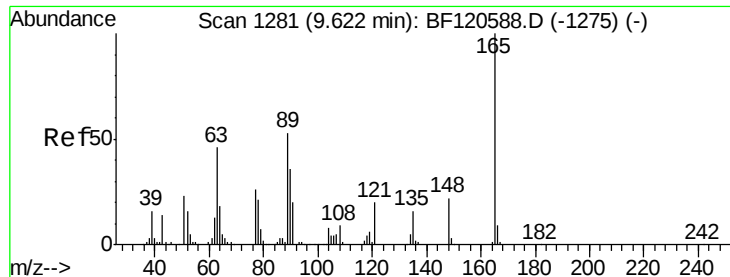
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#50
Dimethylphthalate
Concen: 4.867 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		103382		
194	3.8	3.1	4.7		
164	10.3	8.5	12.7		





#51

2,6-Dinitrotoluene

Concen: 4.386 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

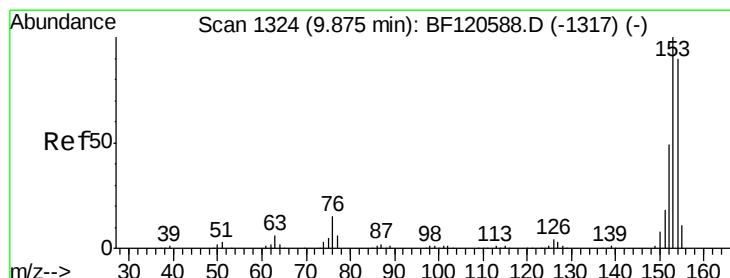
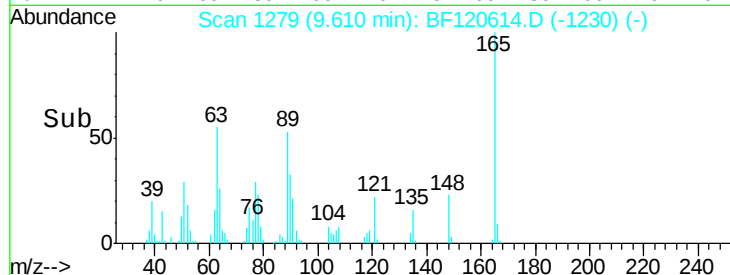
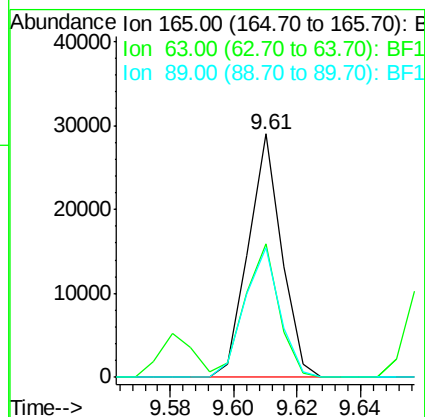
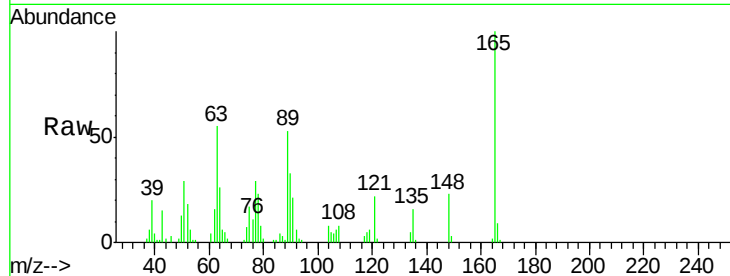
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	165	Resp:	21116
Ion Ratio	Lower	Upper	
165	100		
63	54.6	41.7	62.5
89	53.1	42.6	64.0

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#52

Acenaphthene

Concen: 5.363 ng

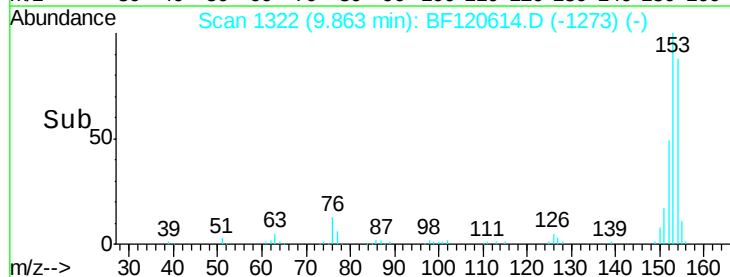
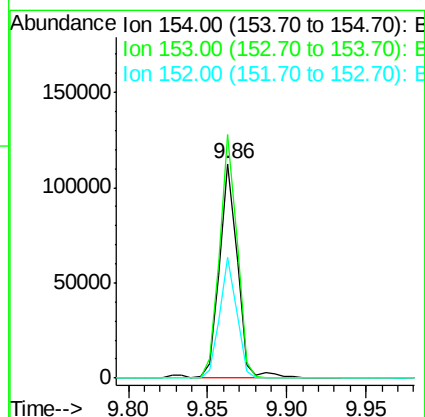
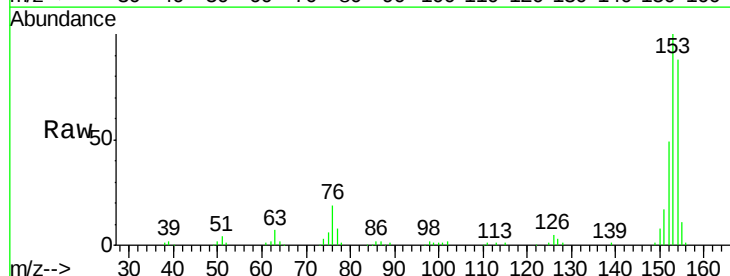
RT: 9.86 min Scan# 1322

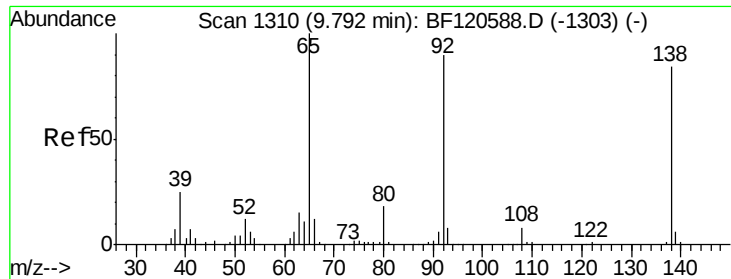
Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Tgt Ion:	154	Resp:	88913
Ion Ratio	Lower	Upper	
154	100		
153	113.6	89.1	133.7
152	56.2	43.7	65.5





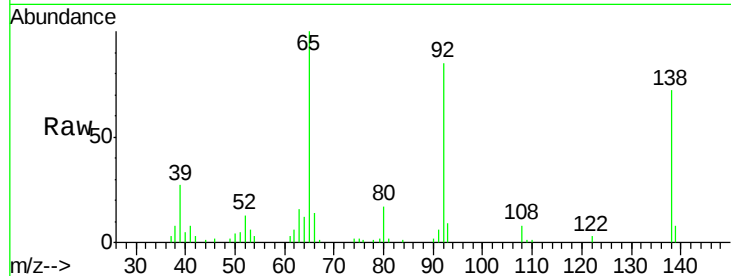
#53
 3-Nitroaniline
 Concen: 3.996 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.02 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.8	8.0	12.0
92	117.8	86.0	129.0

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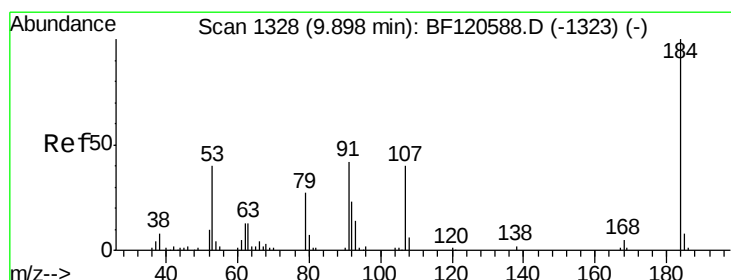
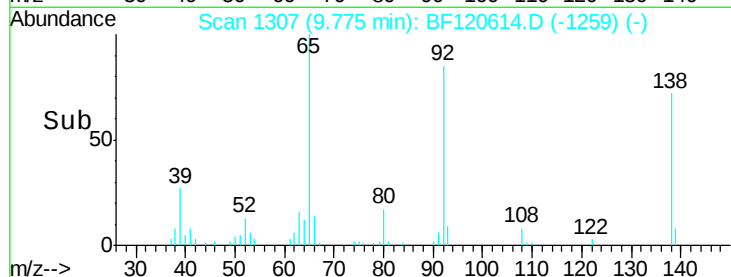
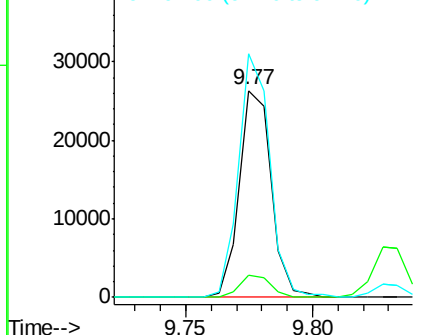


Abundance

Ion 138.00 (137.70 to 138.70): E

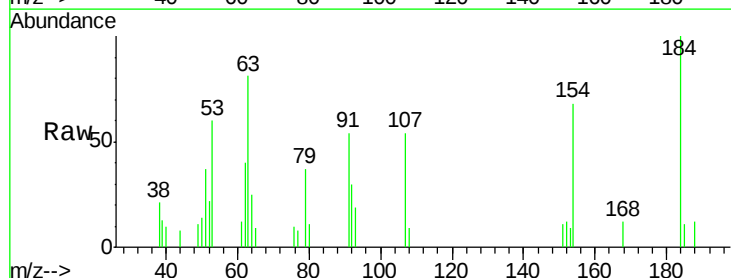
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
 2,4-Dinitrophenol
 Concen: 1.665 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
184	100		
63	81.2	44.2	66.2#
154	68.1	45.9	68.9

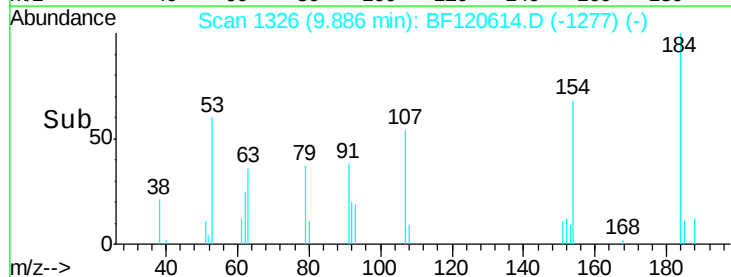
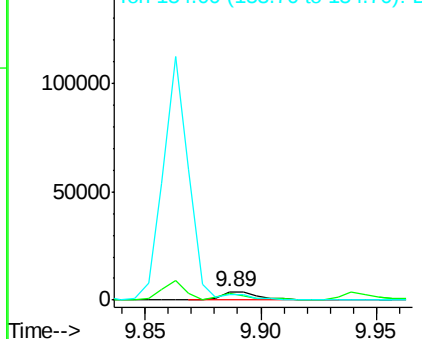


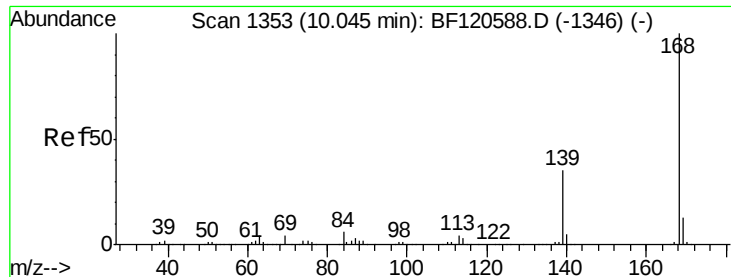
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





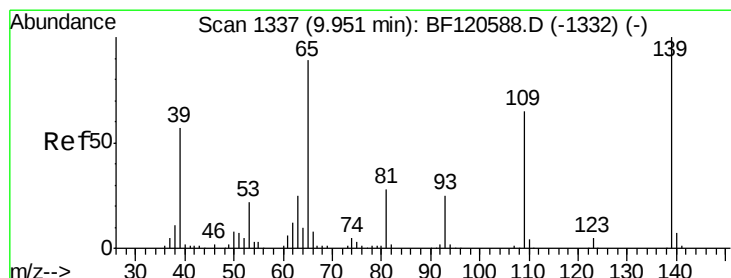
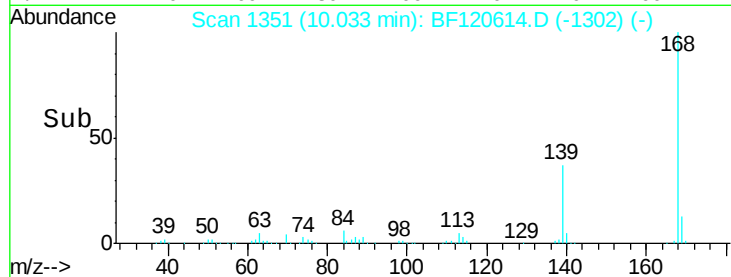
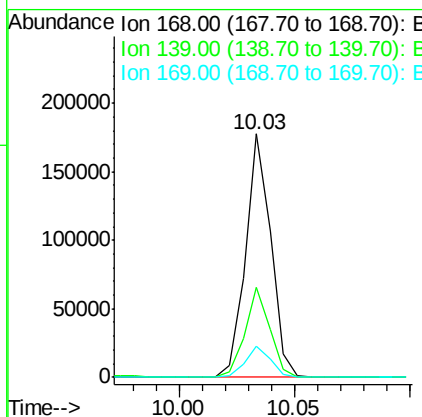
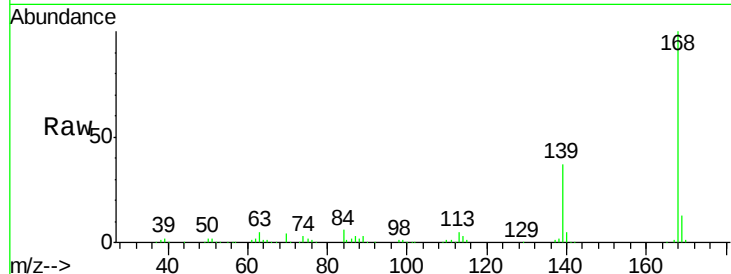
#55
Dibenzenofuran
Concen: 5.344 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
168	100	135838		
139	37.0	28.1	42.1	
169	12.7	10.6	16.0	

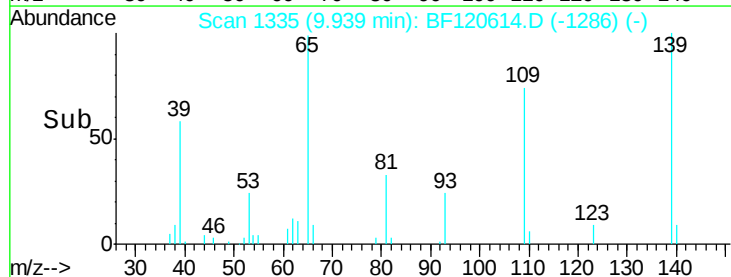
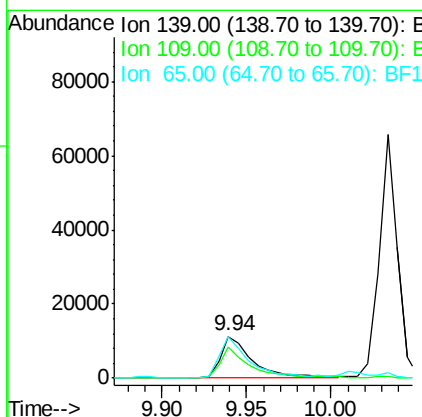
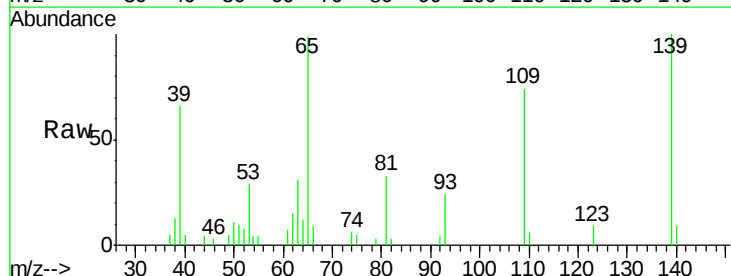
Manual Integrations
APPROVED

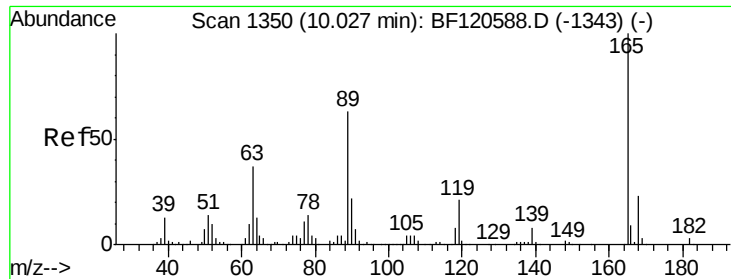
mohammad
6/15/2020 8:46:49 AM



#56
4-Nitrophenol
Concen: 3.390 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	14764		
109	74.0	44.6	84.6	
65	99.2	69.2	109.2	





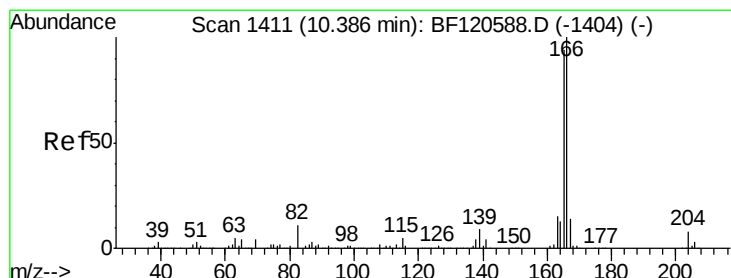
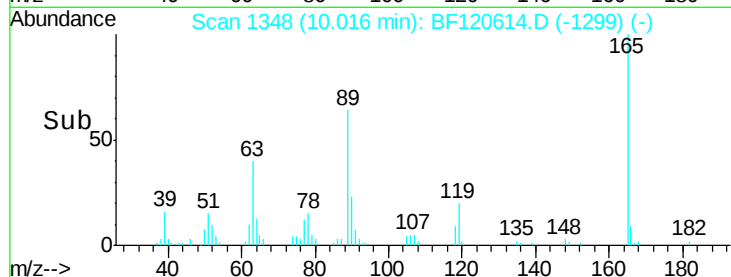
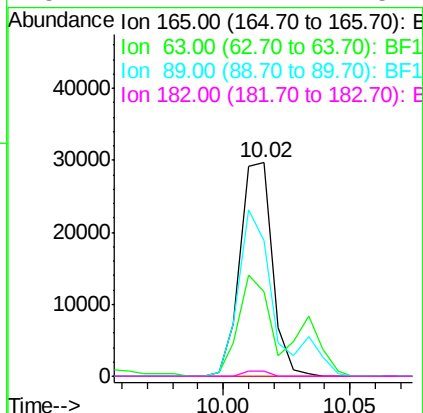
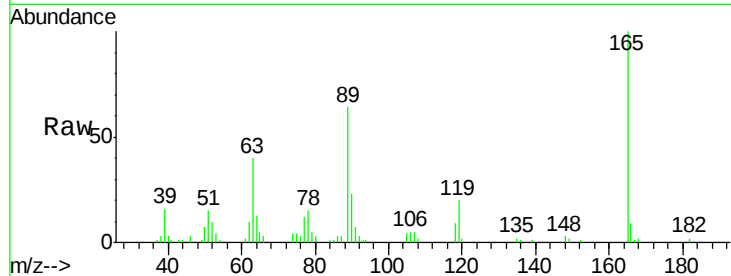
#57
 2,4-Dinitrotoluene
 Concen: 4.142 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	39.6	29.8	44.8	
89	63.7	50.4	75.6	
182	2.1	2.1	3.1	

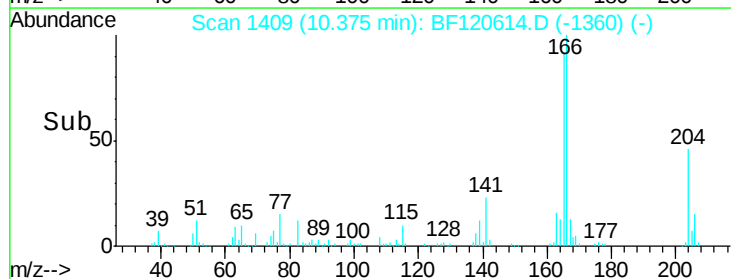
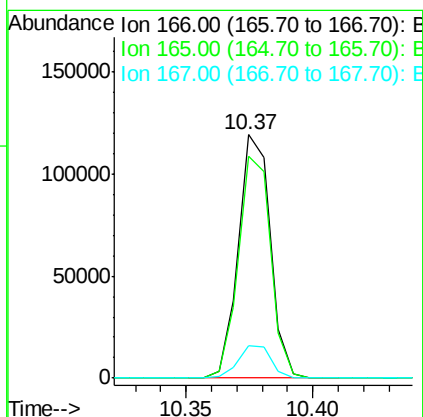
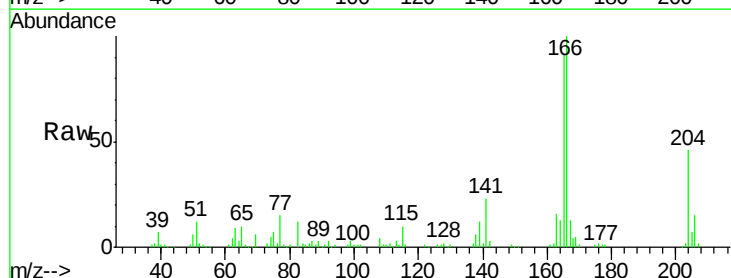
Manual Integrations
 APPROVED

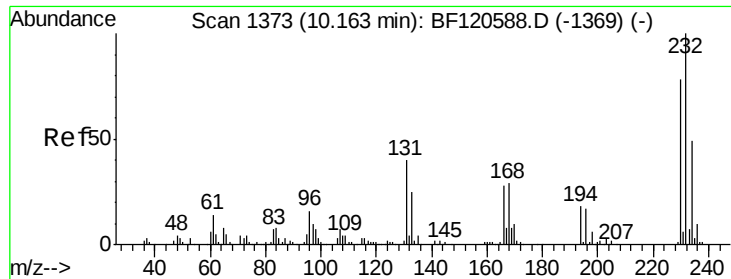
mohammad
 6/15/2020 8:46:49 AM



#58
 Fluorene
 Concen: 5.317 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	91.3	75.0	112.6	
167	13.1	11.0	16.4	





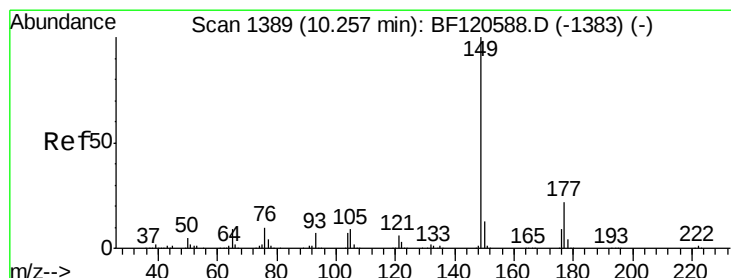
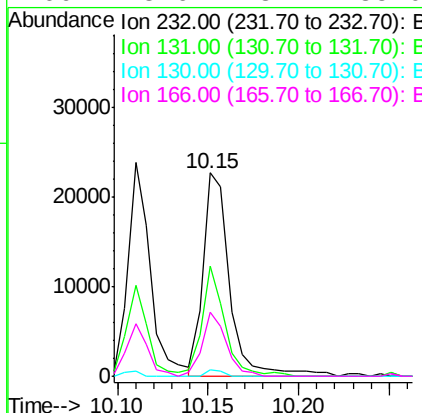
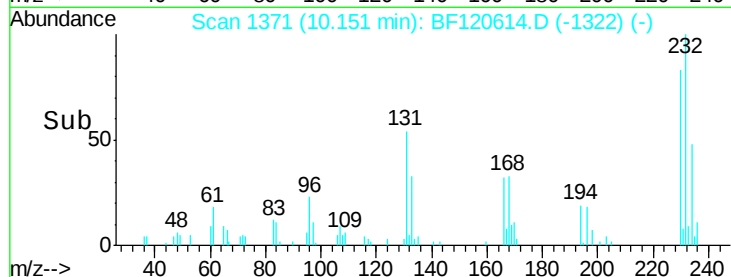
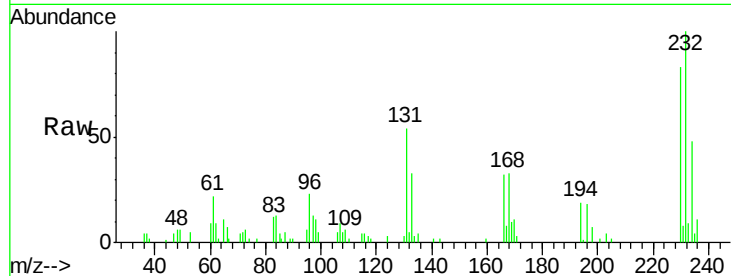
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.168 ng
RT: 10.15 min Scan# 1371
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
232	100		
131	47.0	33.5	50.3
130	1.8	1.5	2.3
166	28.6	23.4	35.0

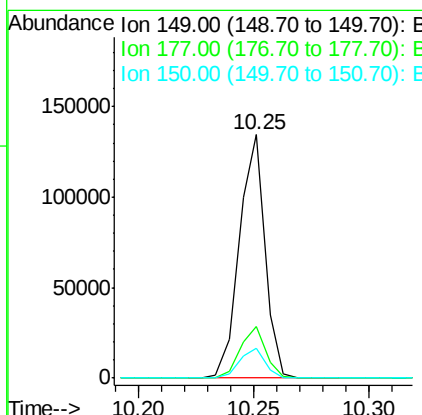
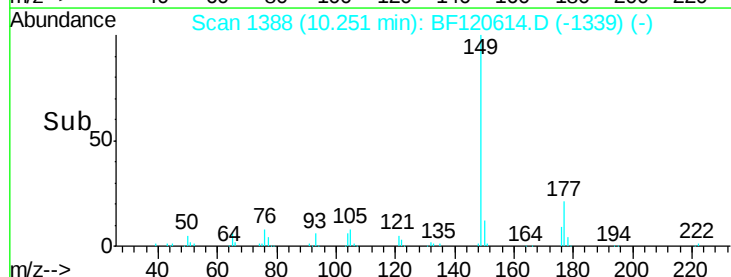
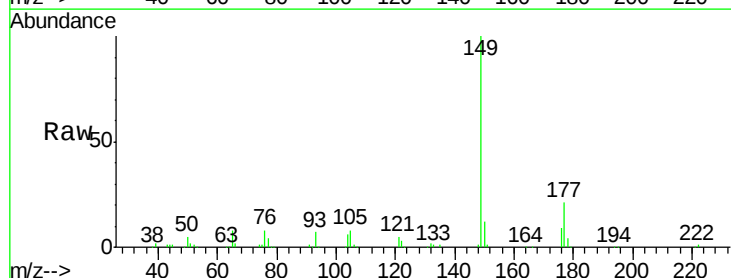
Manual Integrations
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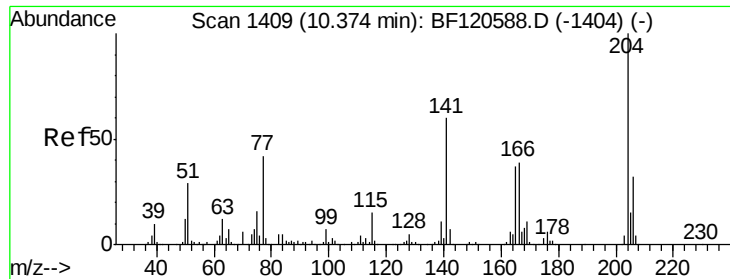
mohammad
6/15/2020 8:46:49 AM



#60
Diethylphthalate
Concen: 4.988 ng
RT: 10.25 min Scan# 1388
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.3	25.9
150	12.1	10.3	15.5





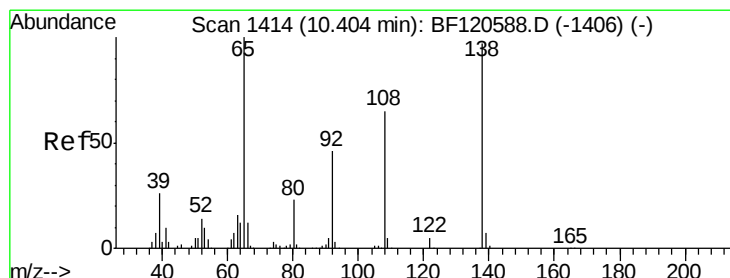
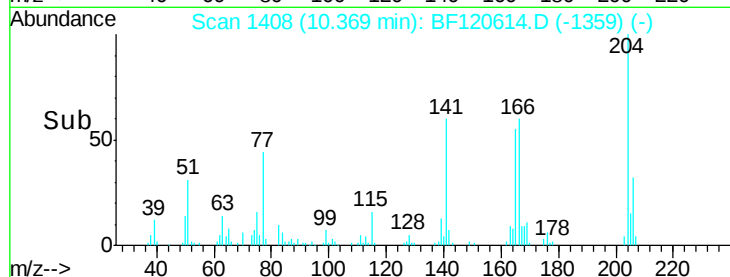
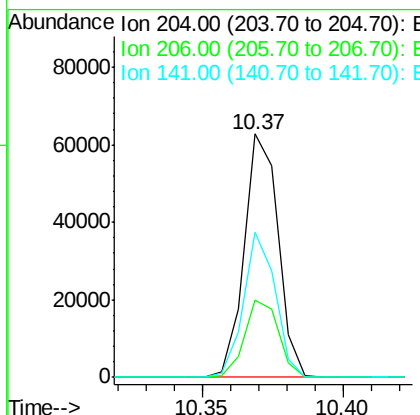
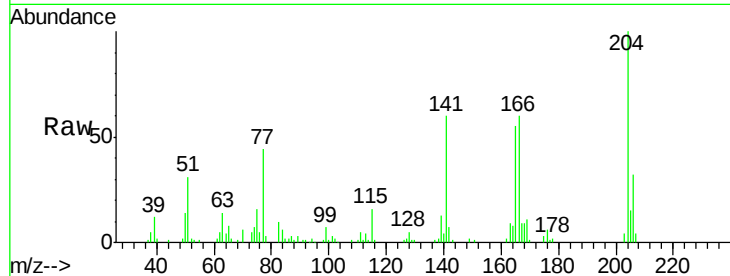
#61
4-Chlorophenyl-phenylether
Concen: 5.158 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
204	100		
206	31.5	25.9	38.9
141	59.6	47.6	71.4

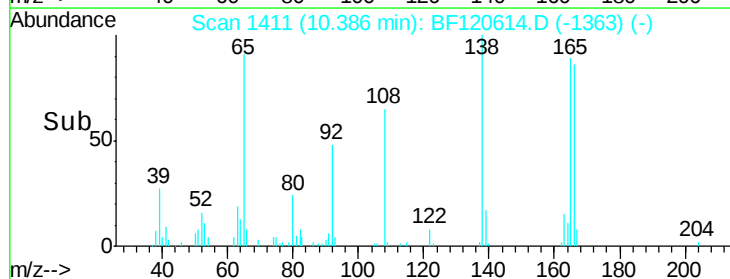
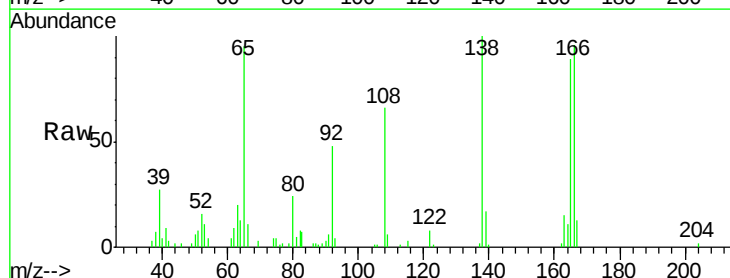
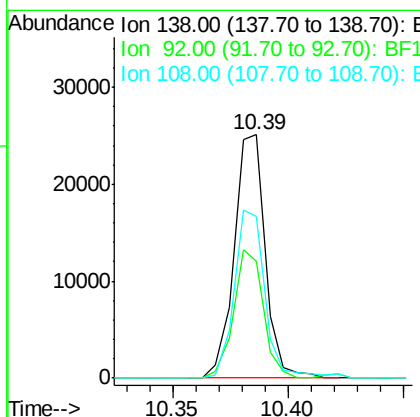
Manual Integrations
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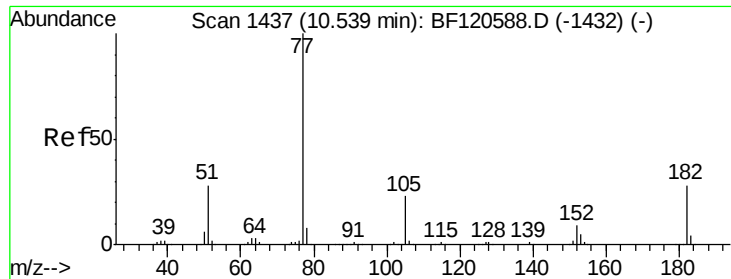
mohammad
6/15/2020 8:46:49 AM



#62
4-Nitroaniline
Concen: 4.099 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.02 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.9	27.3	67.3
108	66.5	47.4	87.4





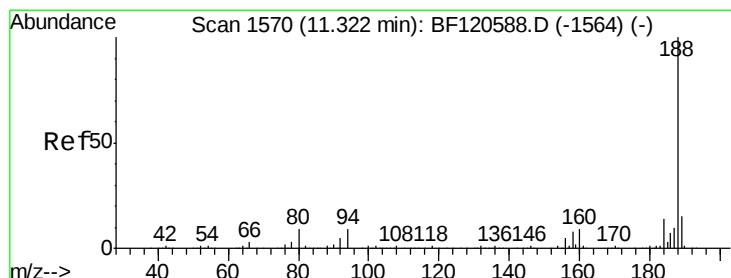
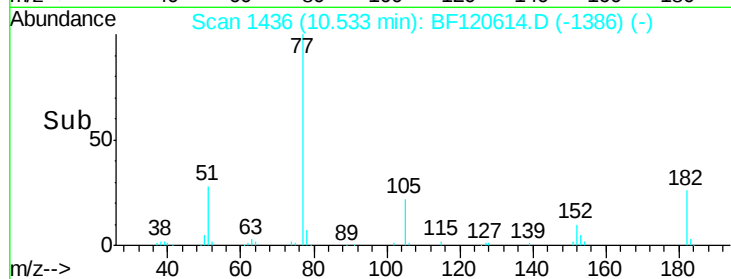
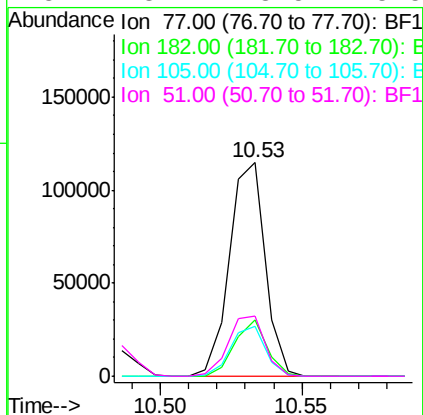
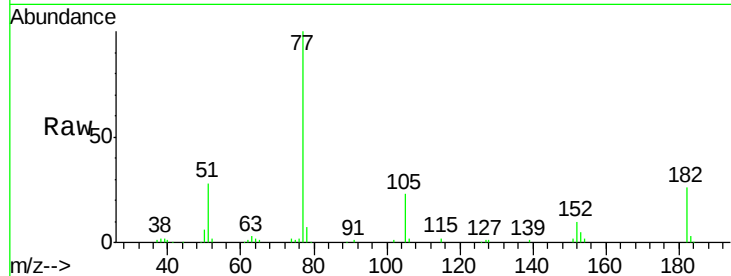
#63
Azobenzene
Concen: 5.320 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	26.1	7.7	47.7	
105	23.3	3.2	43.2	
51	28.4	8.5	48.5	

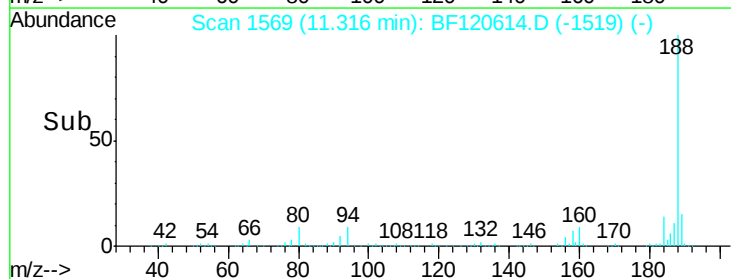
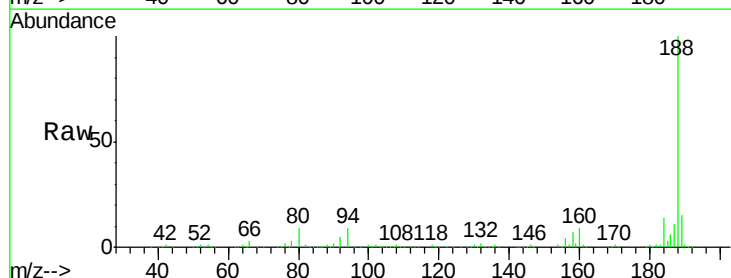
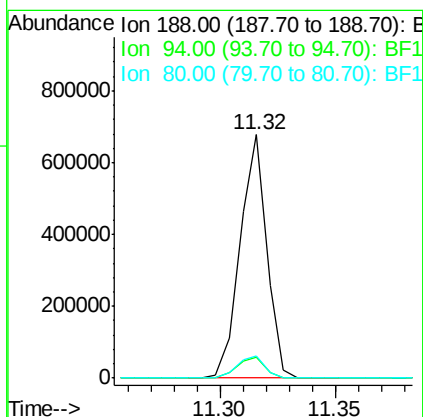
Manual Integrations
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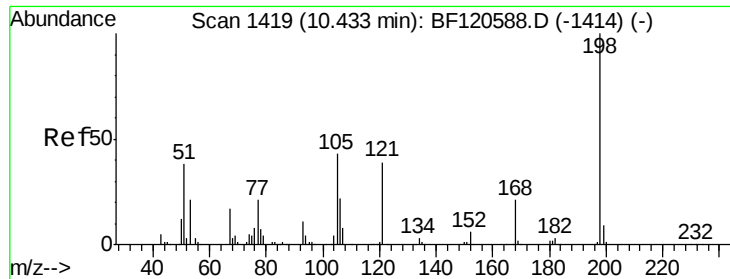
mohammad
6/15/2020 8:46:49 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.7	7.2	10.8	
80	9.1	7.4	11.2	





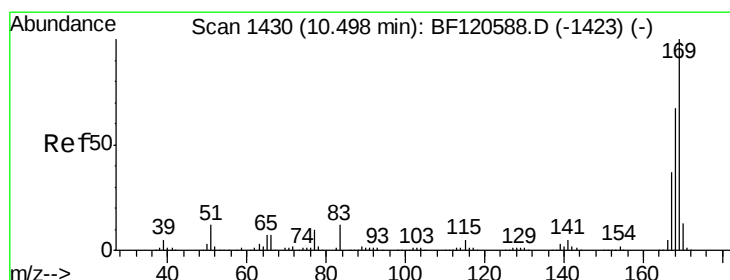
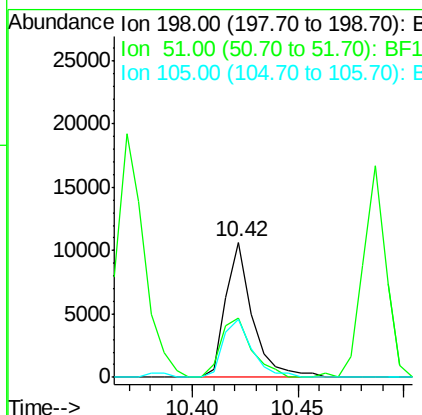
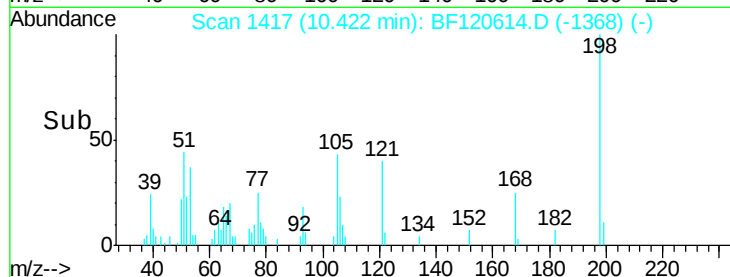
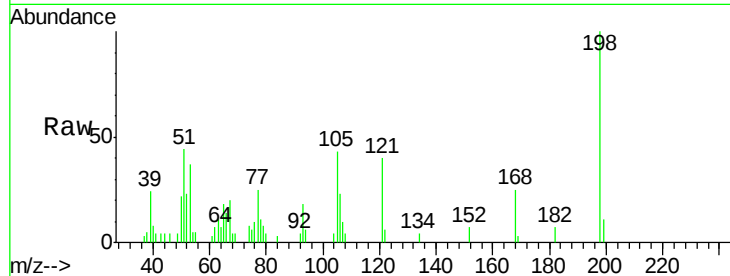
#65
 4,6-Dinitro-2-methylphenol
 Concen: 2.868 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
198	100		
51	44.2	24.8	64.8
105	43.3	23.9	63.9

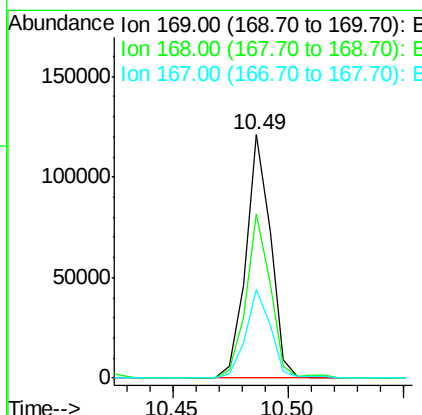
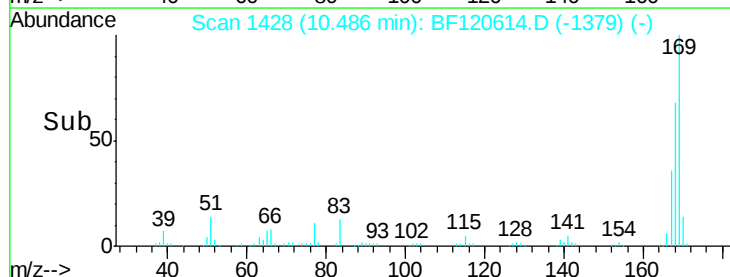
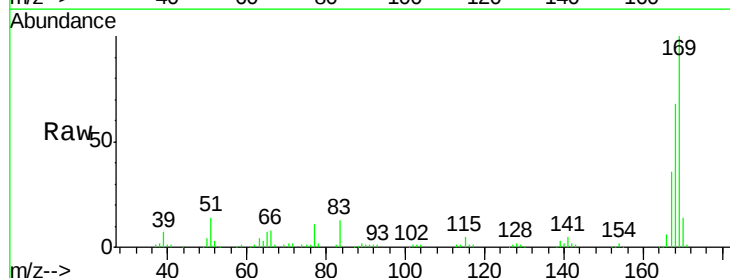
Manual Integrations
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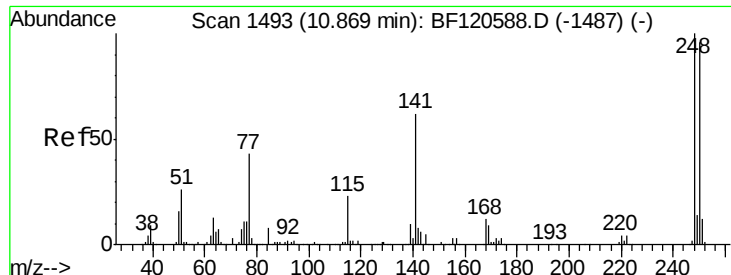
mohammad
 6/15/2020 8:46:49 AM



#66
 n-Nitrosodiphenylamine
 Concen: 5.394 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.5	53.7	80.5
167	36.3	29.9	44.9





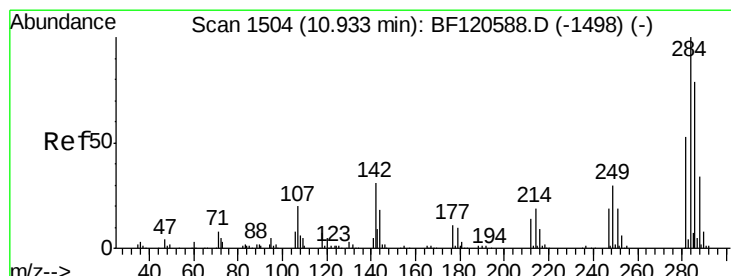
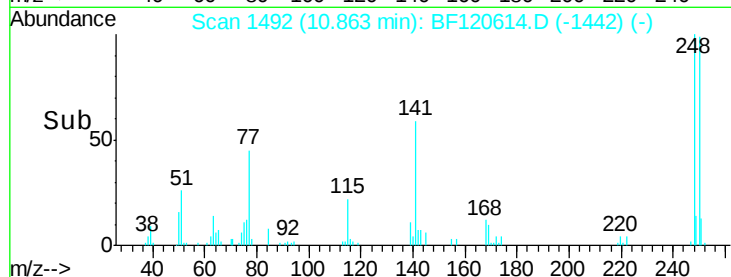
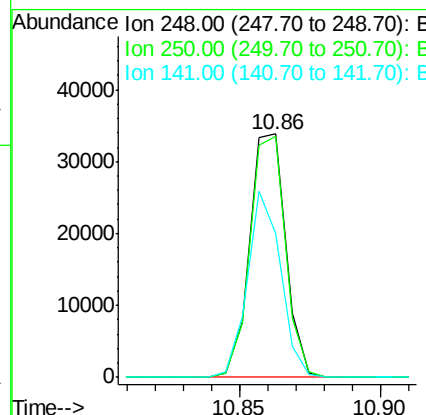
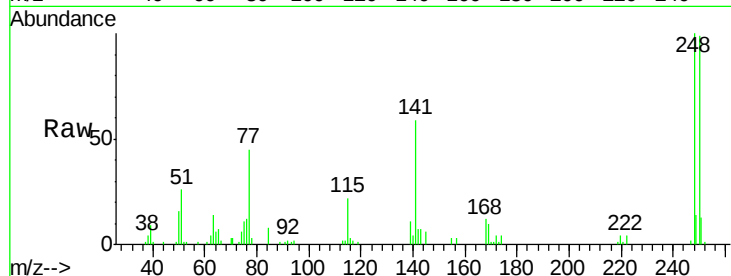
#67
 4-Bromophenyl-phenylether
 Concen: 4.833 ng
 RT: 10.86 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.2	76.7	115.1
141	59.1	49.4	74.0

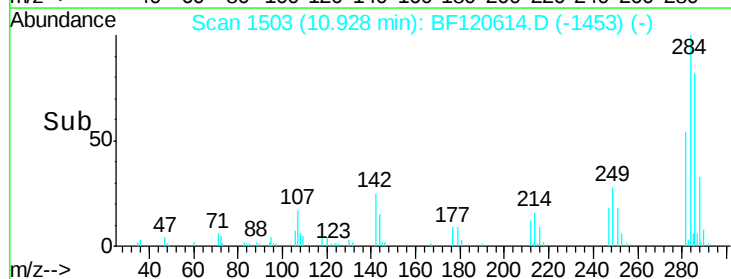
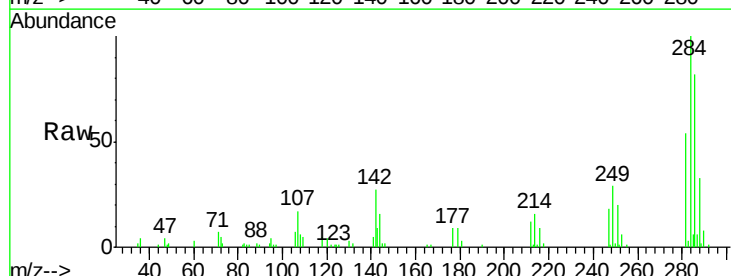
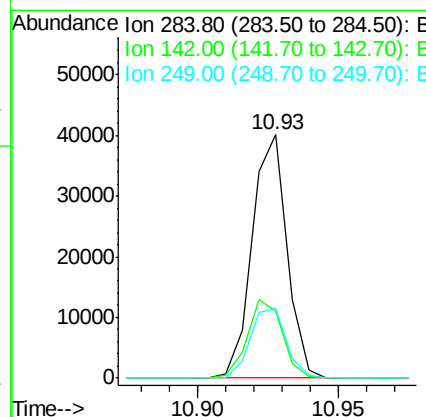
Manual Integrations
 APPROVED

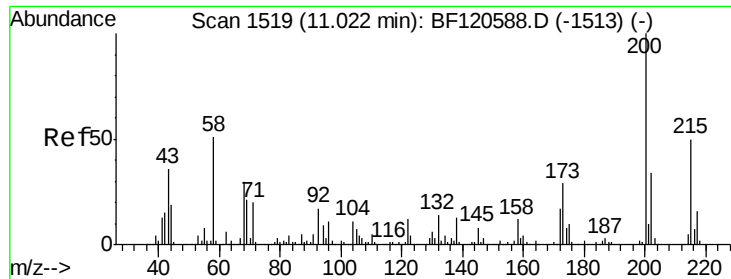
mohammad
 6/15/2020 8:46:49 AM



#68
 Hexachlorobenzene
 Concen: 5.128 ng
 RT: 10.93 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
284	100		
142	27.4	25.1	37.7
249	28.8	24.0	36.0





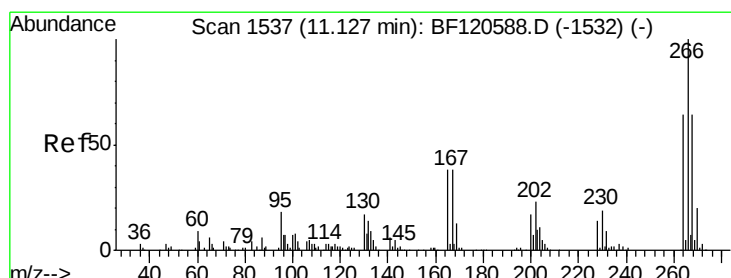
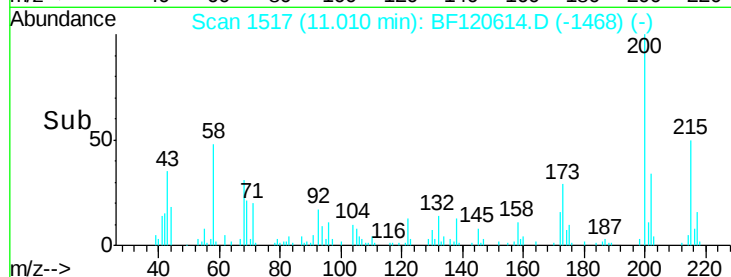
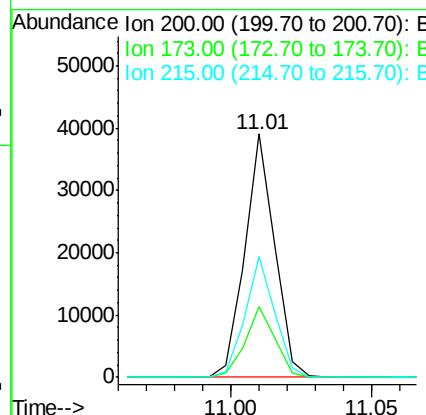
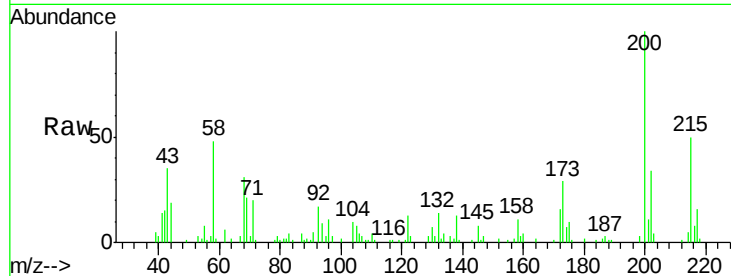
#69
Atrazine
Concen: 5.538 ng
RT: 11.01 min Scan# 1517
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	29.2	9.1	49.1
215	49.8	29.8	69.8

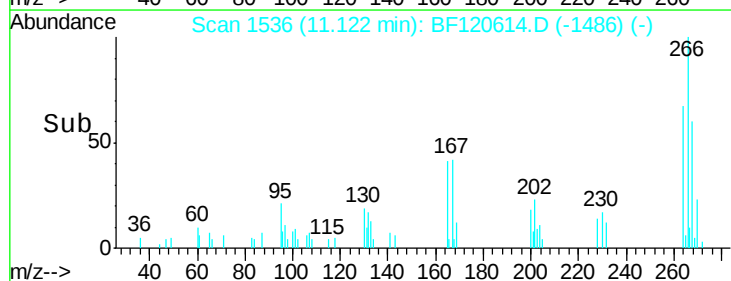
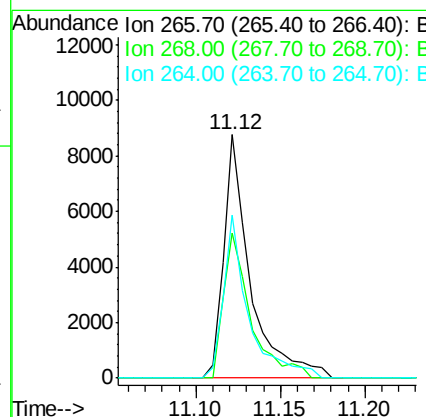
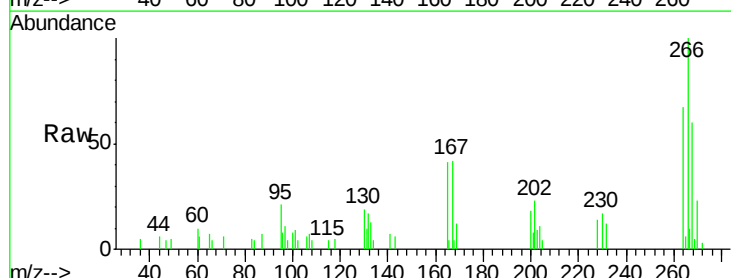
Manual Integrations
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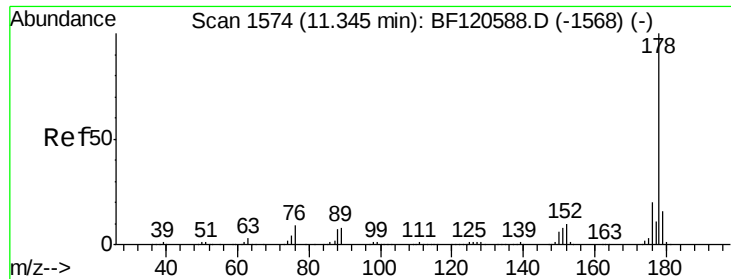
mohammad
6/15/2020 8:46:49 AM



#70
Pentachlorophenol
Concen: 2.594 ng
RT: 11.12 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.0	51.4	77.0
264	66.8	50.8	76.2





#71

Phenanthrene

Concen: 5.525 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

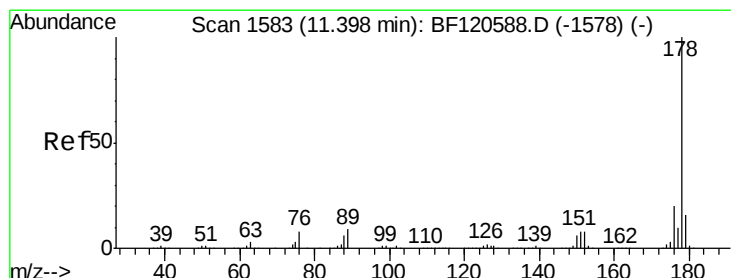
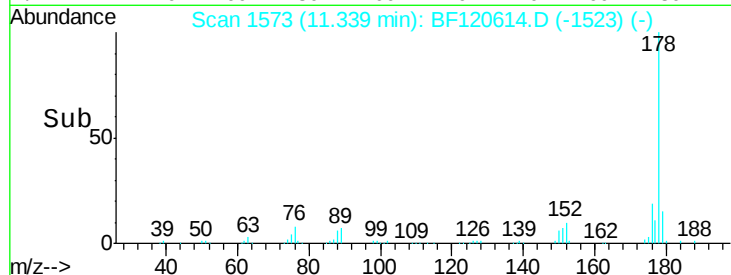
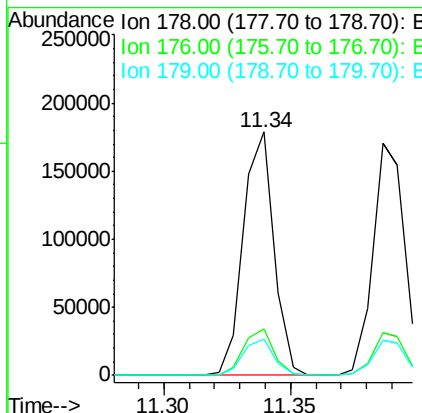
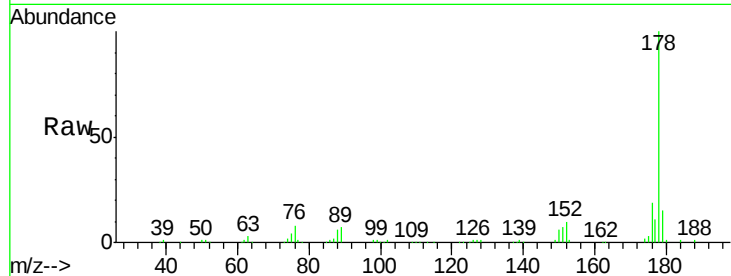
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:178	Resp:	150130
Ion Ratio	Lower	Upper
178	100	
176	18.9	15.9 23.9
179	15.2	12.8 19.2

Manual Integrations
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6/15/2020 8:46:49 AM



#72

Anthracene

Concen: 5.440 ng

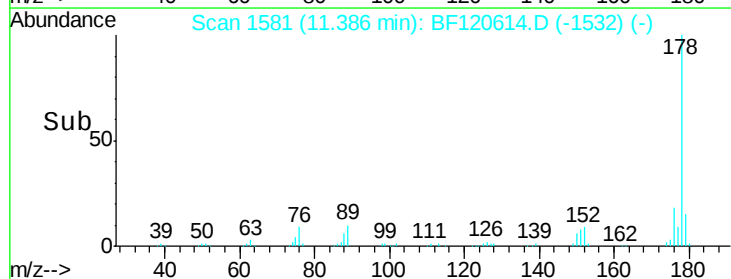
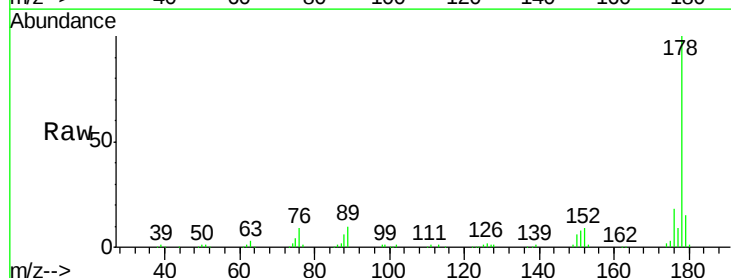
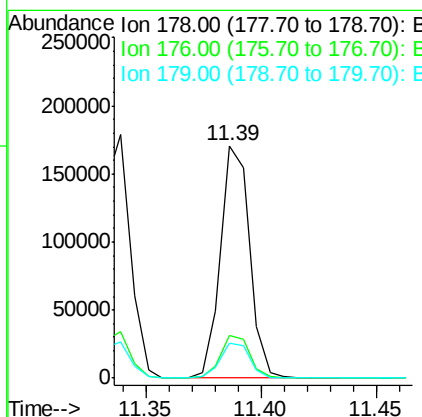
RT: 11.39 min Scan# 1581

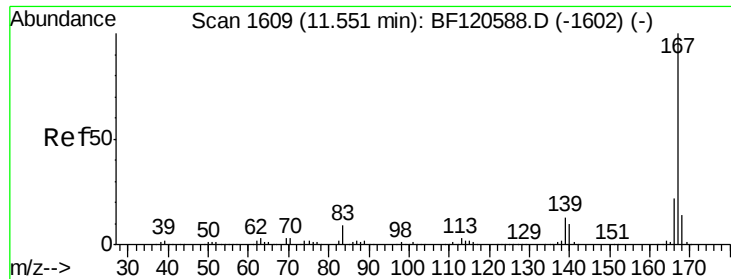
Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Tgt Ion:178	Resp:	148999
Ion Ratio	Lower	Upper
178	100	
176	18.5	15.6 23.4
179	15.3	12.9 19.3





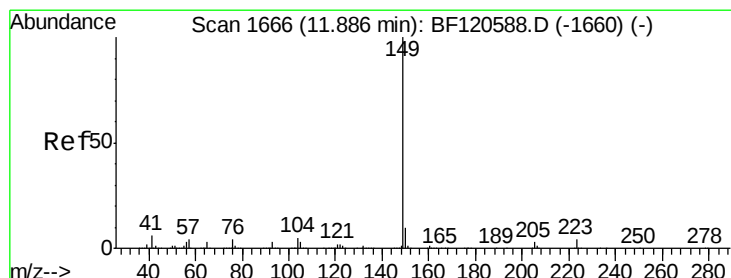
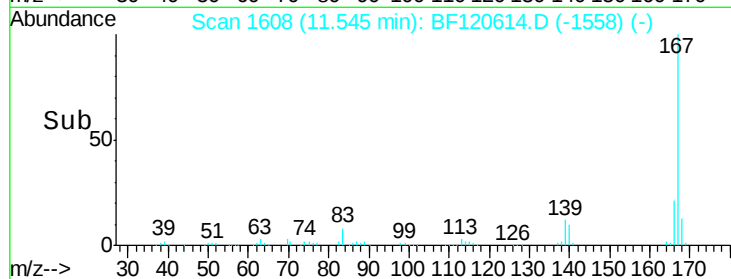
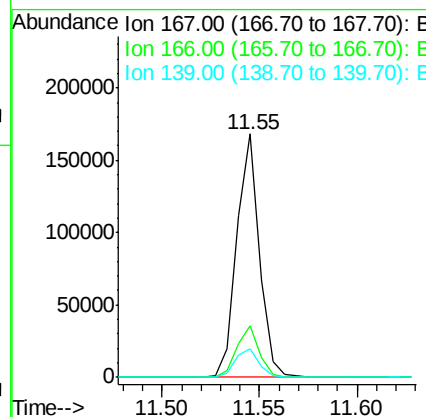
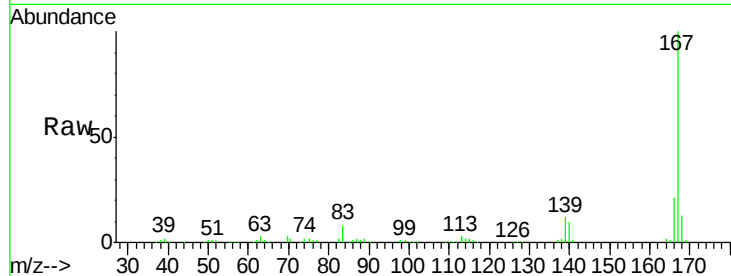
#73
 Carbazole
 Concen: 4.973 ng
 RT: 11.55 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.2	25.8
139	12.0	10.1	15.1

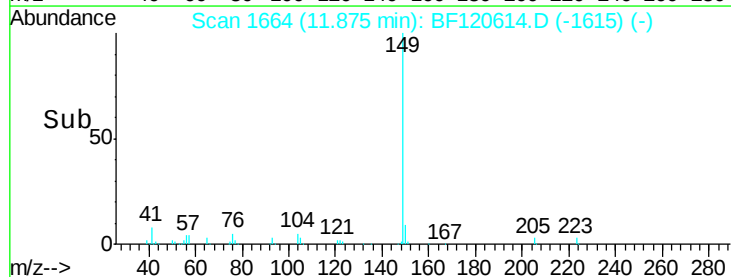
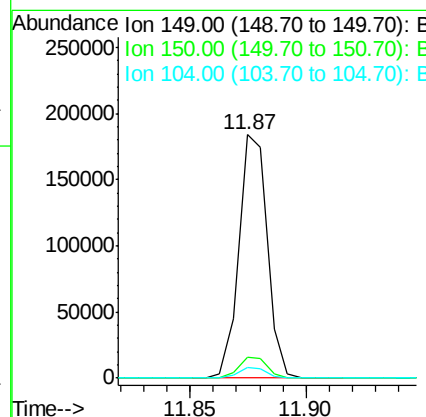
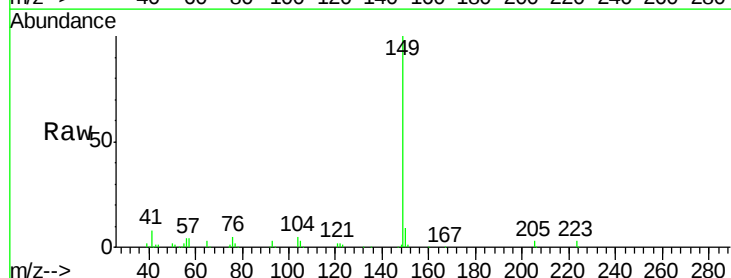
Manual Integrations
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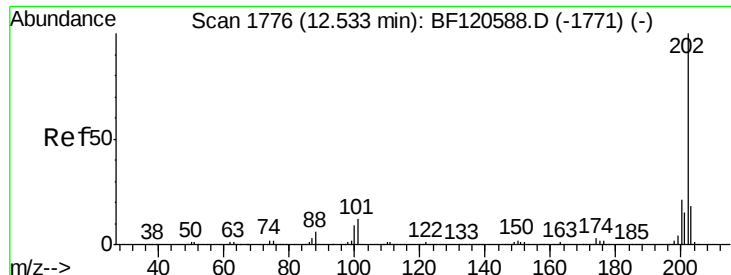
mohammad
 6/15/2020 8:46:49 AM



#74
 Di-n-butylphthalate
 Concen: 5.185 ng
 RT: 11.87 min Scan# 1664
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.7	11.5
104	4.6	3.7	5.5





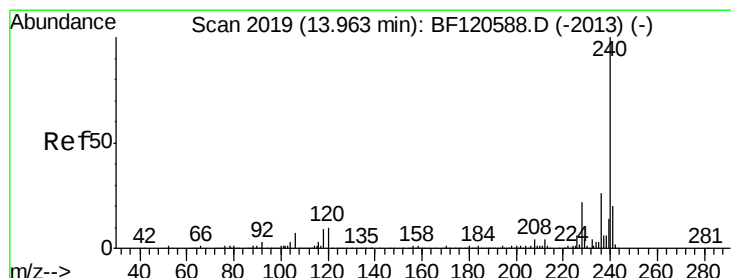
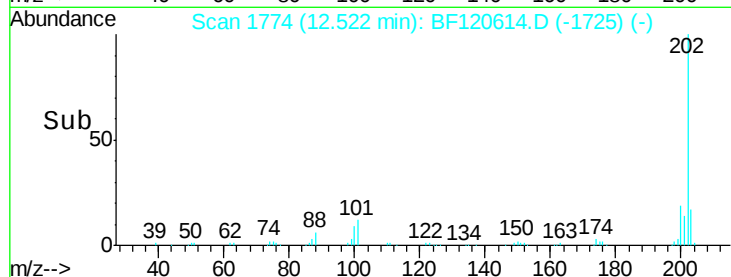
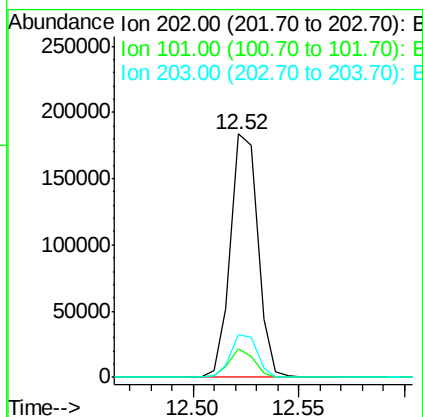
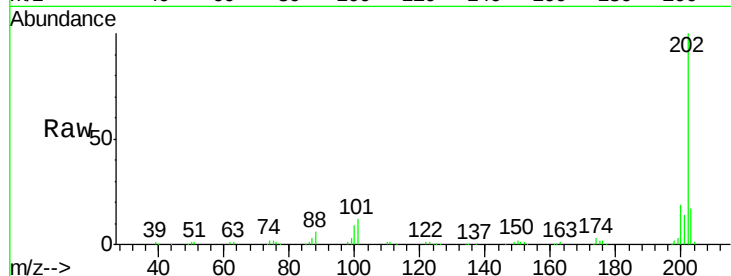
#75
Fluoranthene
 Concen: 5.293 ng
 RT: 12.52 min Scan# 1774
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.7	0.0	32.0
203	17.3	0.0	38.3

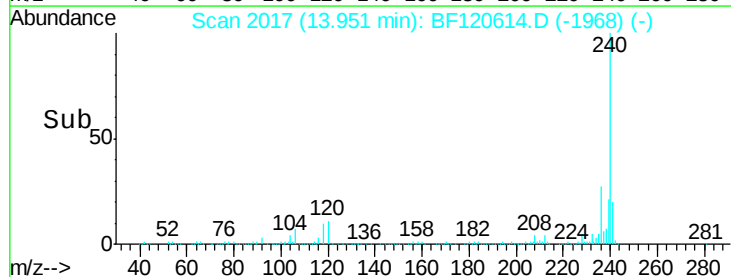
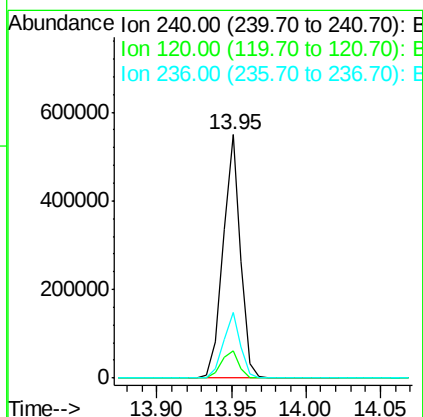
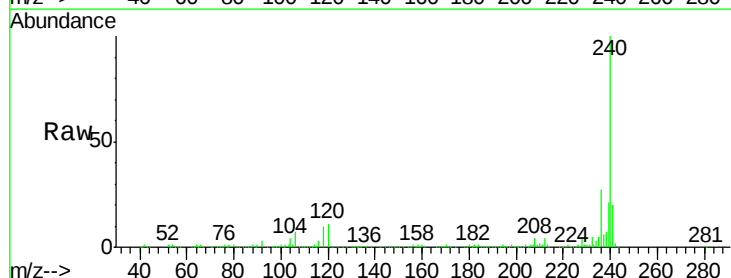
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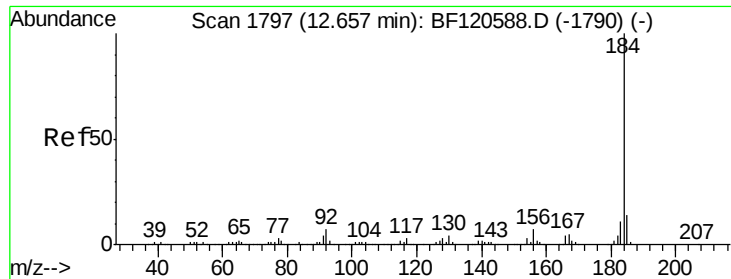
mohammad
 6/15/2020 8:46:49 AM



#76
Chrysene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.1	8.3	12.5
236	26.7	21.0	31.4





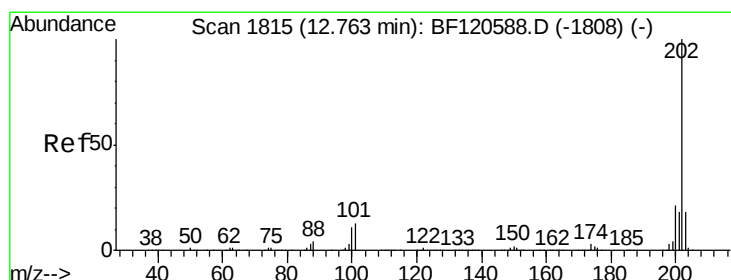
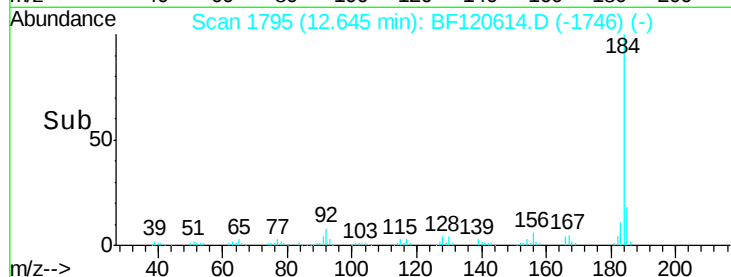
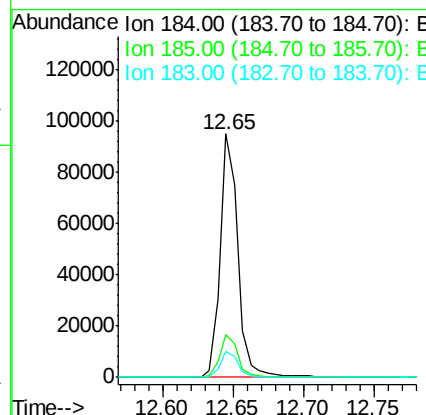
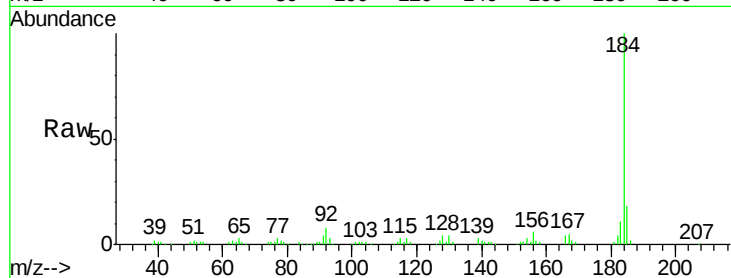
#77
Benzidine
Concen: 5.431 ng
RT: 12.65 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
184	100		
185	17.6	11.4	17.0
183	10.7	9.0	13.6

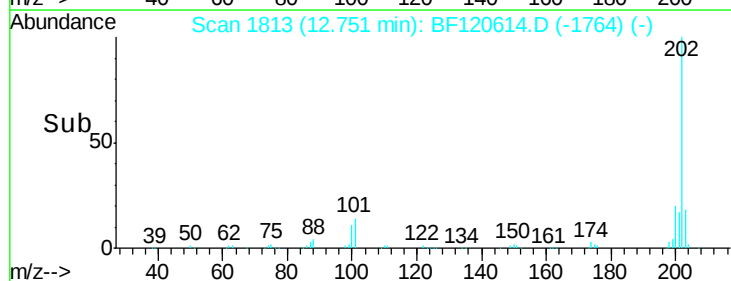
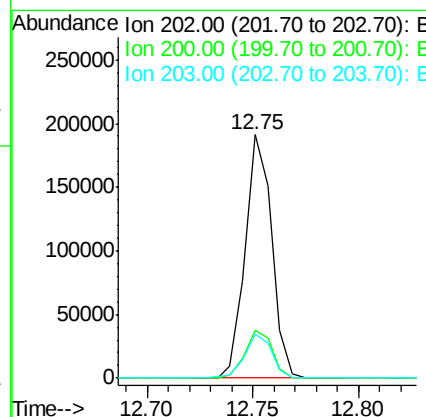
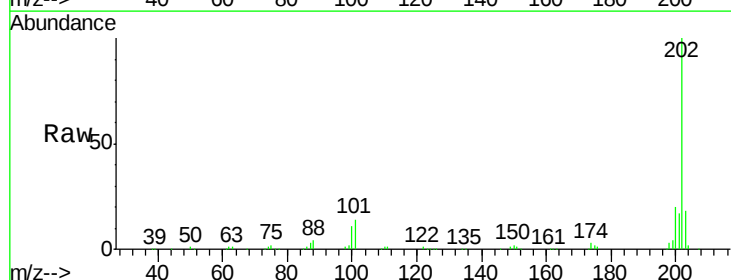
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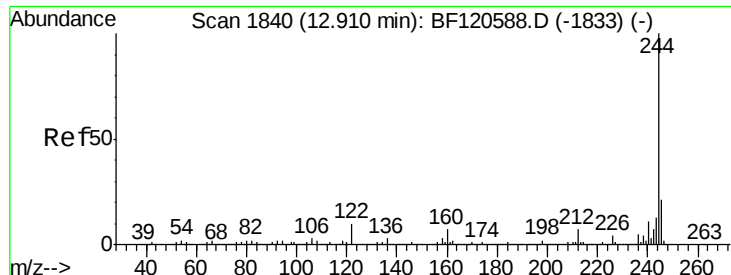
mohammad
6/15/2020 8:46:49 AM



#78
Pyrene
Concen: 5.193 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.8	25.2
203	18.0	14.3	21.5





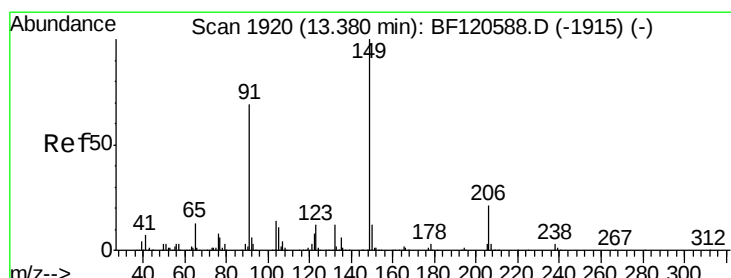
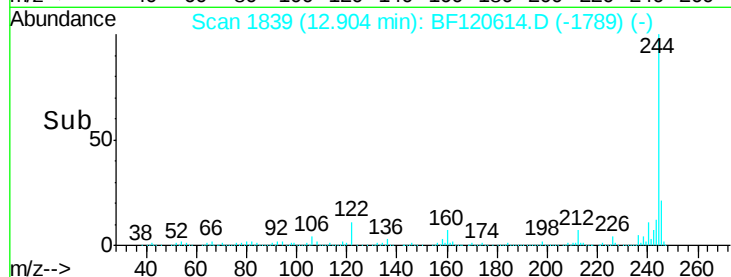
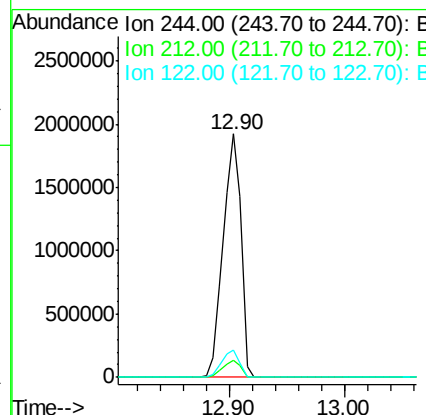
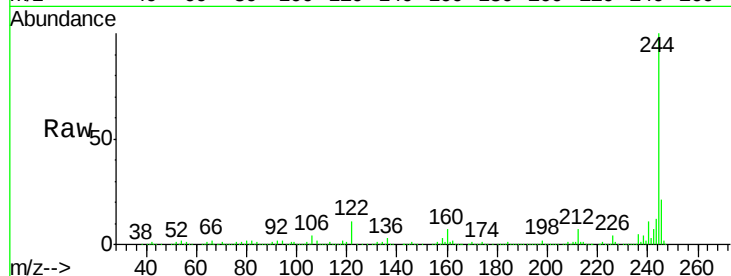
#79
 Terphenyl-d14
 Concen: 100.194 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion:244 Resp: 2049931
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 11.0 8.3 12.5

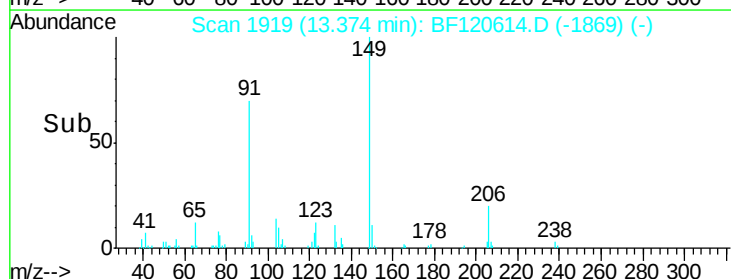
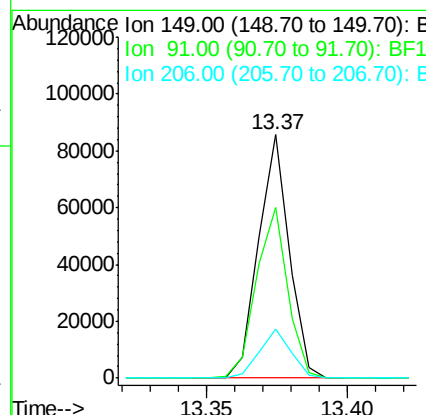
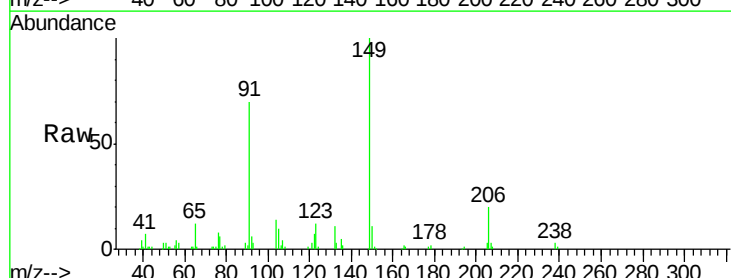
Manual Integrations
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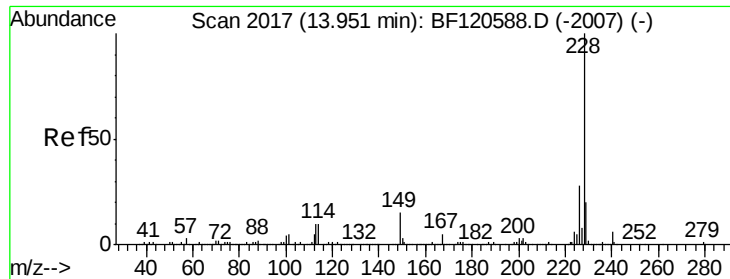
mohammad
 6/15/2020 8:46:49 AM



#80
 Butylbenzylphthalate
 Concen: 4.548 ng
 RT: 13.37 min Scan# 1919
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Tgt Ion:149 Resp: 64648
 Ion Ratio Lower Upper
 149 100
 91 69.9 55.4 83.0
 206 20.2 17.0 25.4





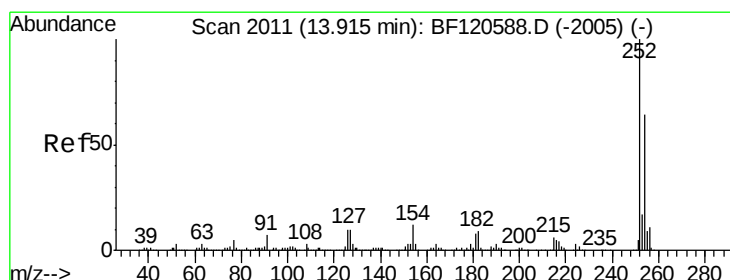
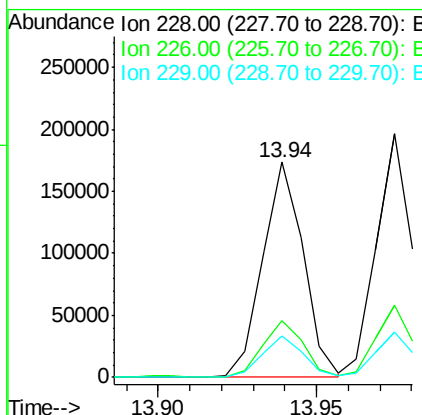
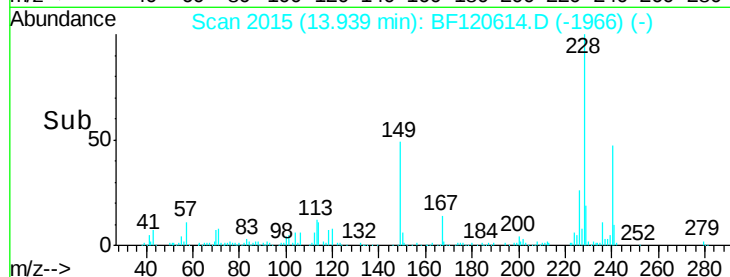
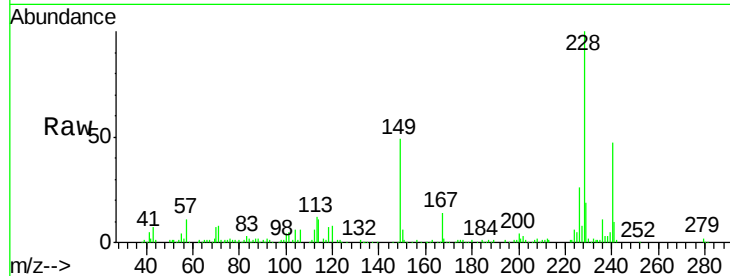
#81
Benzo(a)anthracene
Concen: 5.705 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.3	22.5	33.7
229	19.2	16.1	24.1

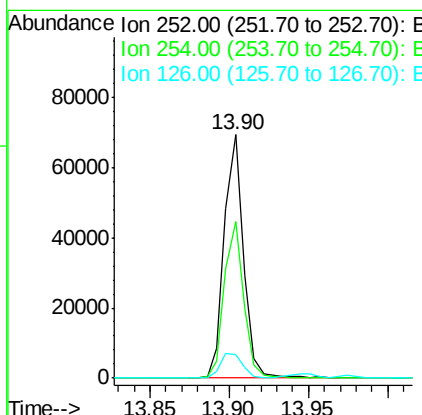
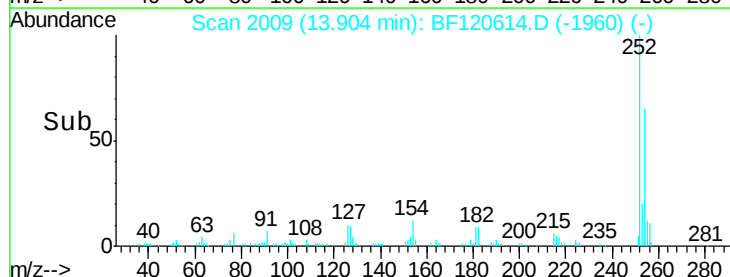
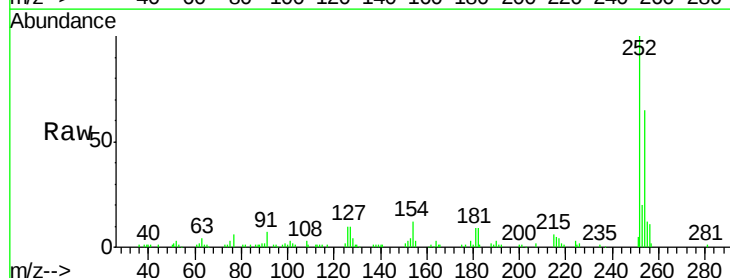
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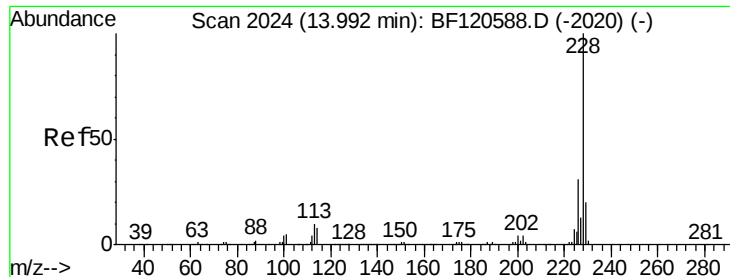
mohammad
6/15/2020 8:46:49 AM



#82
3,3'-Dichlorobenzidine
Concen: 5.626 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.4	77.2
126	9.8	7.9	11.9





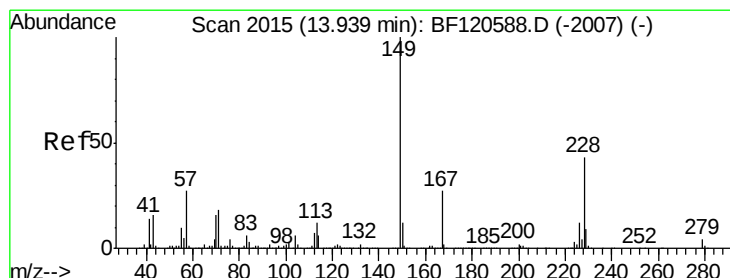
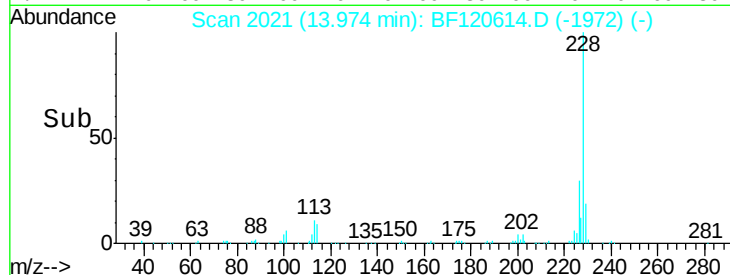
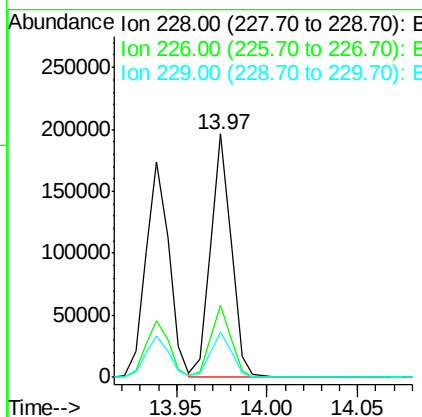
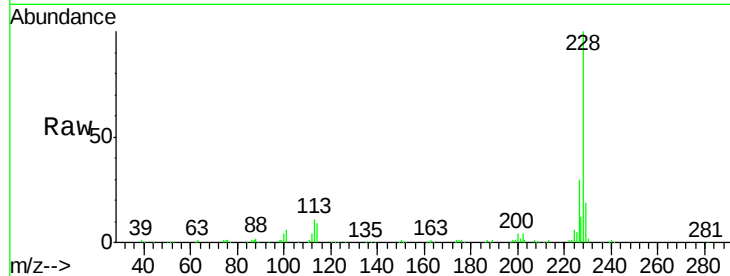
#83
 Chrvsene
 Concen: 5.575 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.9	37.3
229	18.8	16.1	24.1

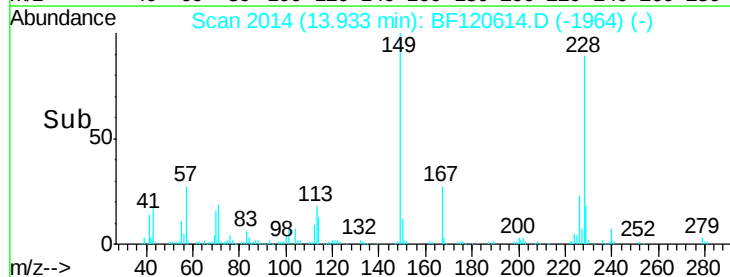
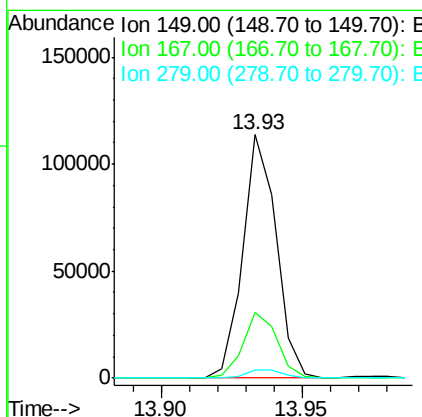
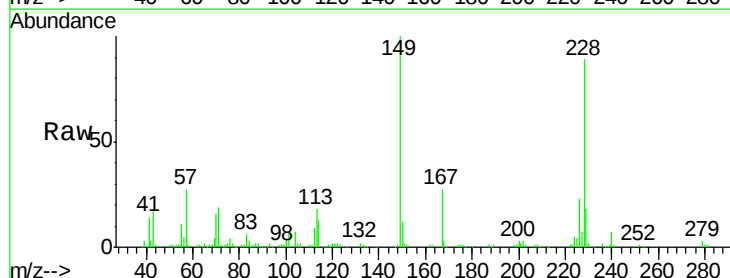
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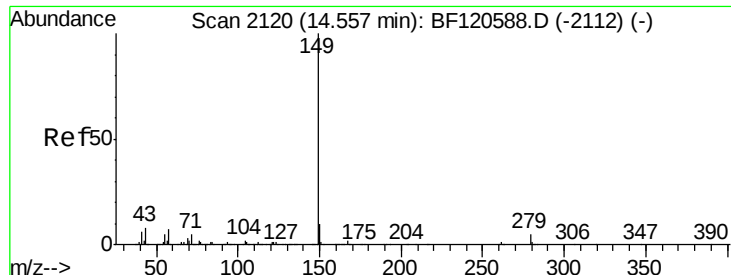
mohammad
 6/15/2020 8:46:49 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.387 ng
 RT: 13.93 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.0	33.0
279	3.5	3.0	4.6





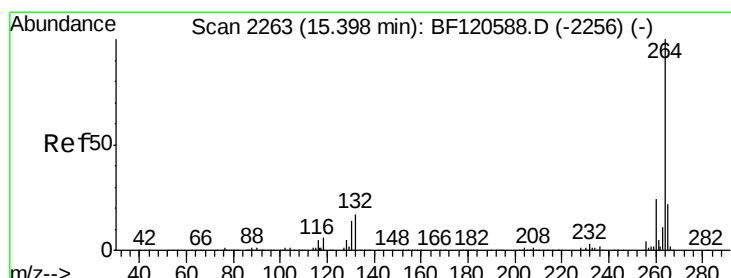
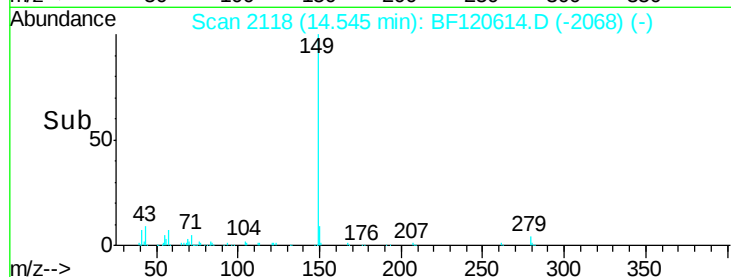
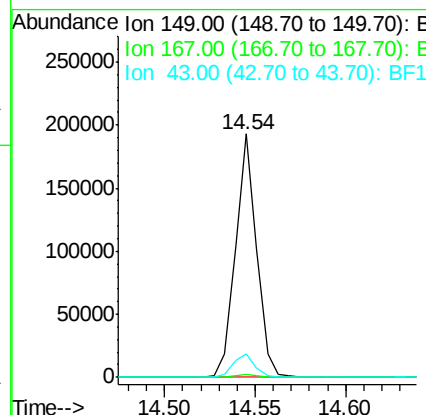
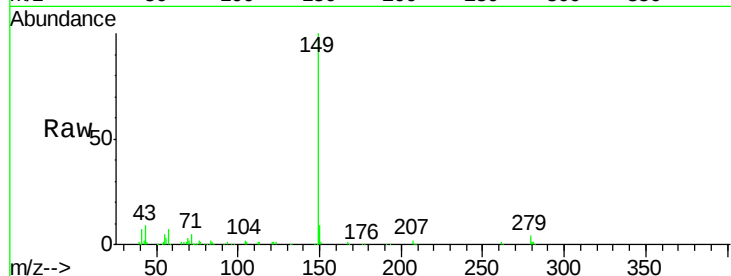
#85
Di-n-octyl phthalate
Concen: 4.734 ng
RT: 14.54 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
149	100	156746		
167	1.4		1.3	1.9
43	10.2		7.6	11.4

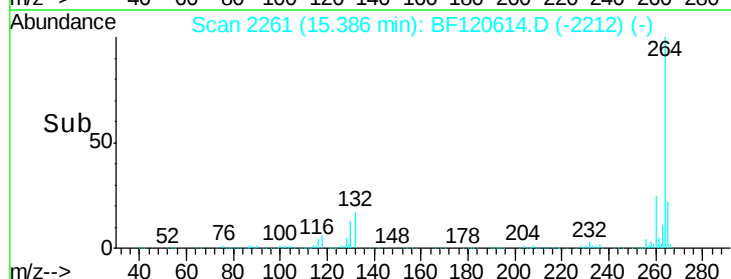
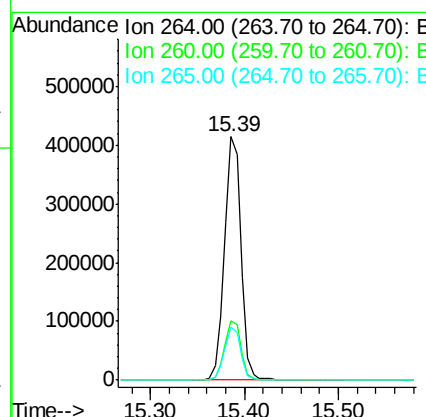
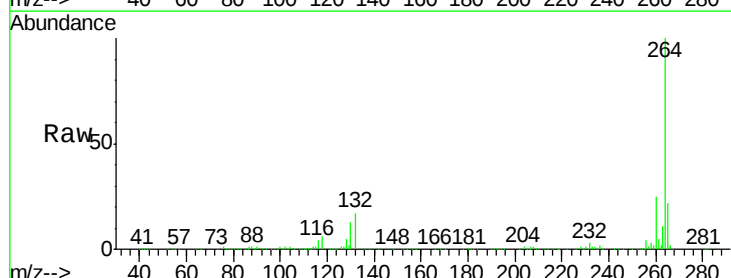
Manual Integrations
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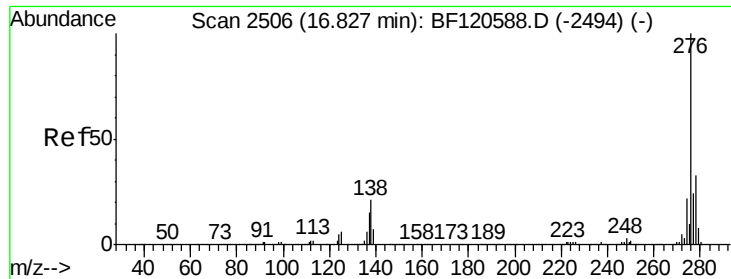
mohammad
6/15/2020 8:46:49 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	508082		
260	24.6		19.3	28.9
265	21.7		17.8	26.8





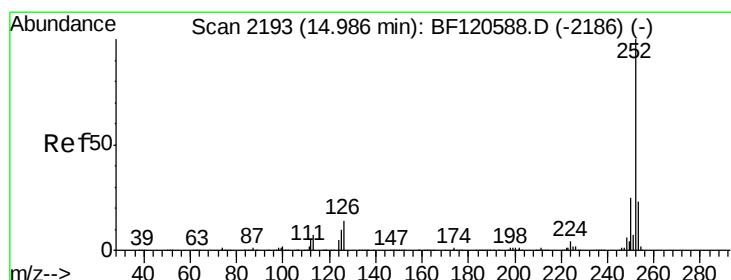
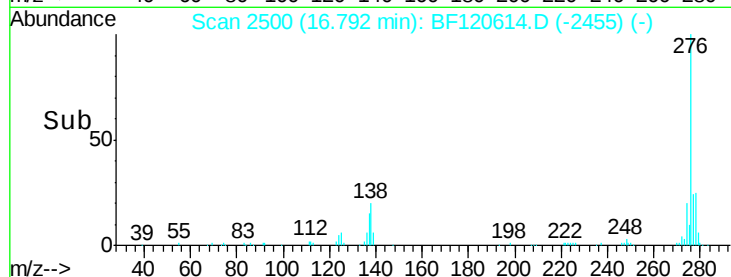
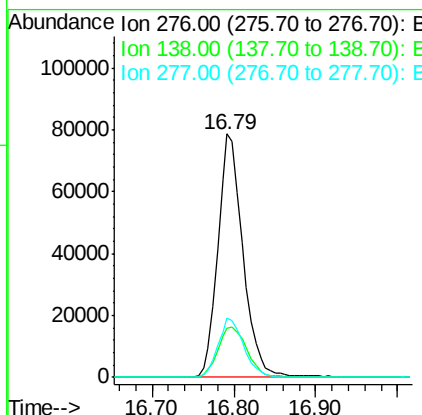
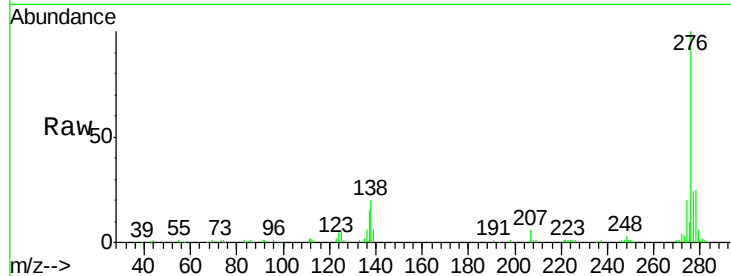
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.446 ng
 RT: 16.79 min Scan# 2500
 Delta R.T. -0.04 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.9	18.9	28.3
277	24.4	20.2	30.2

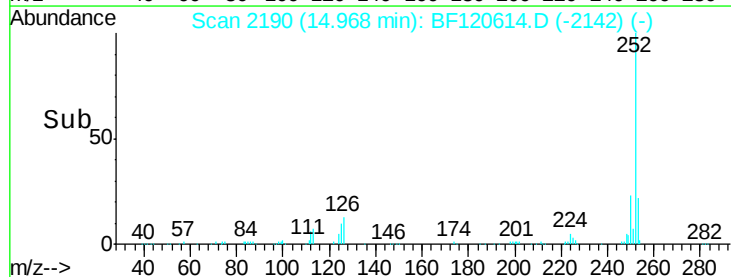
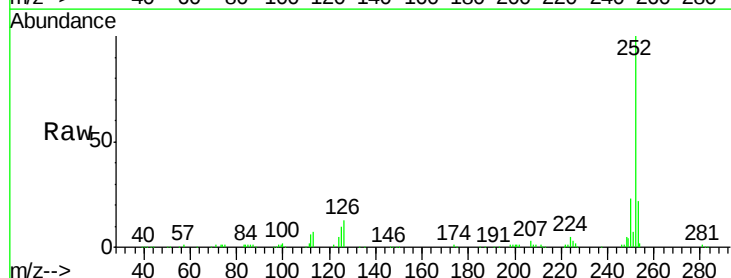
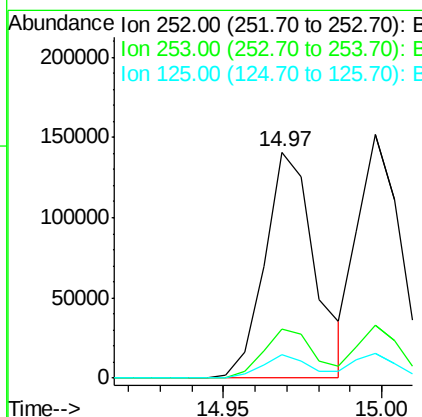
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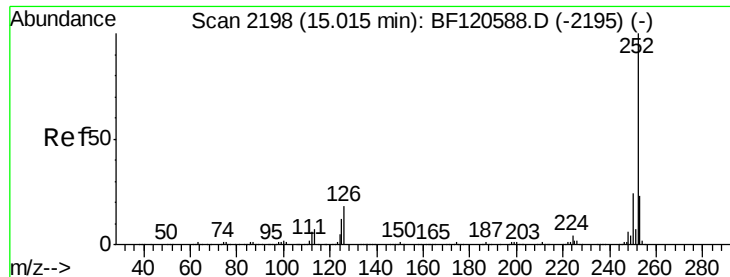
mohammad
 6/15/2020 8:46:49 AM



#88
 Benzo(b)fluoranthene
 Concen: 5.119 ng
 RT: 14.97 min Scan# 2190
 Delta R.T. -0.02 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	10.1	8.3	12.5





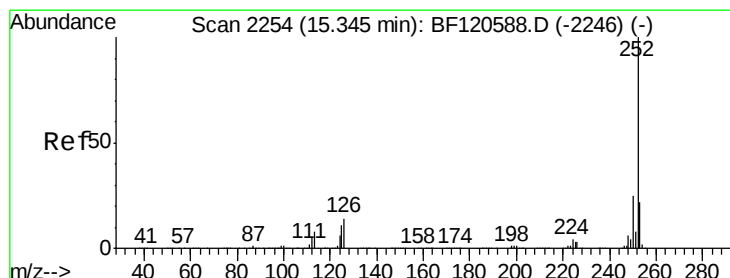
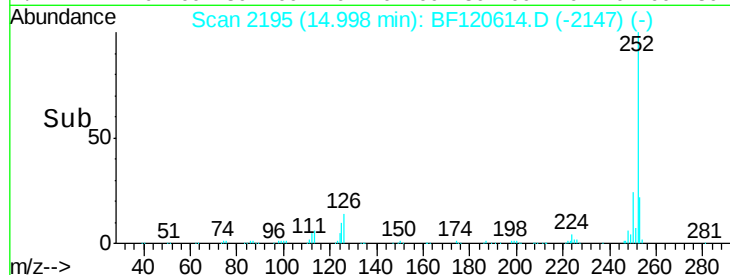
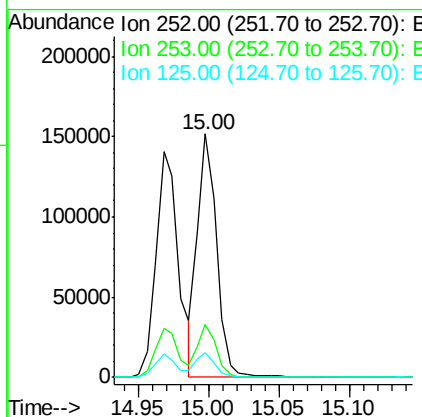
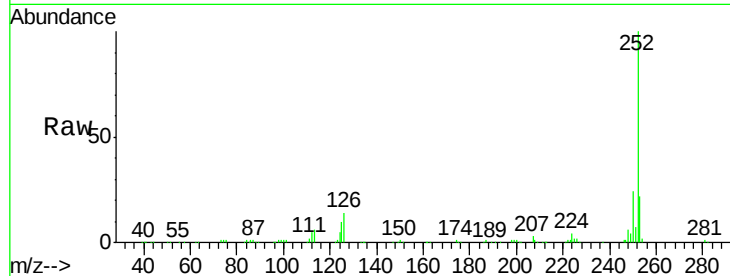
#89
Benzo(k)fluoranthene
Concen: 5.381 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.0	27.0
125	9.9	8.3	12.5

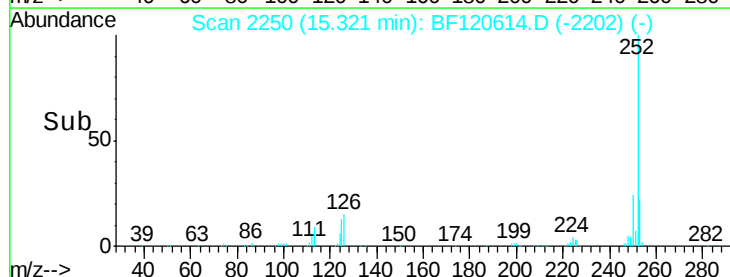
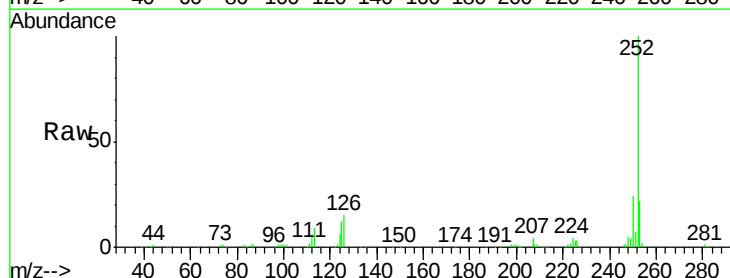
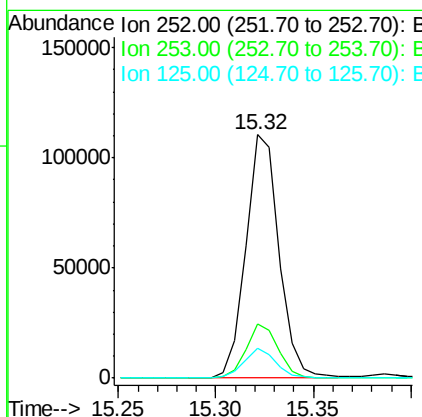
Manual Integrations
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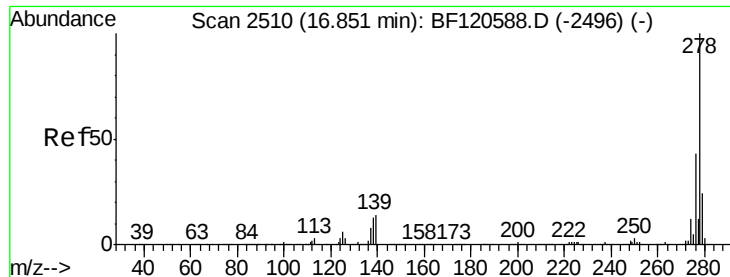
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#90
Benzo(a)pyrene
Concen: 4.807 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.02 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	12.5	8.6	12.8





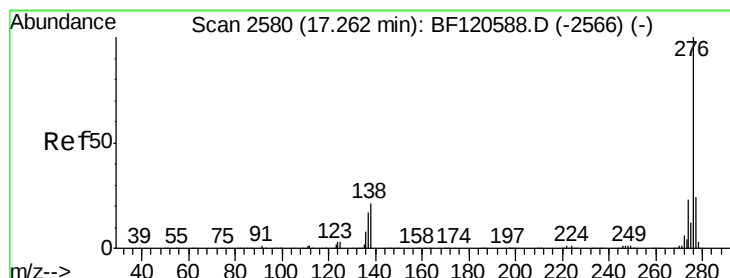
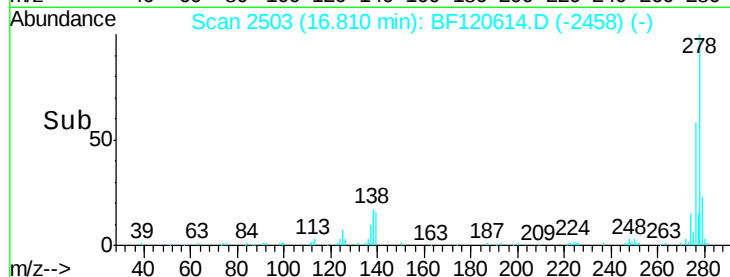
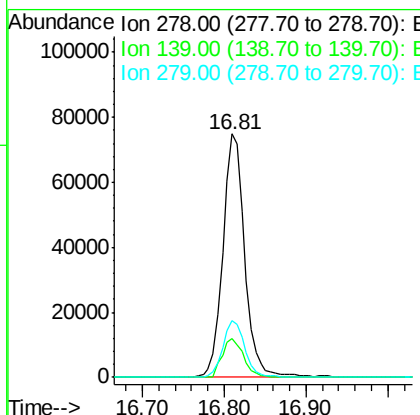
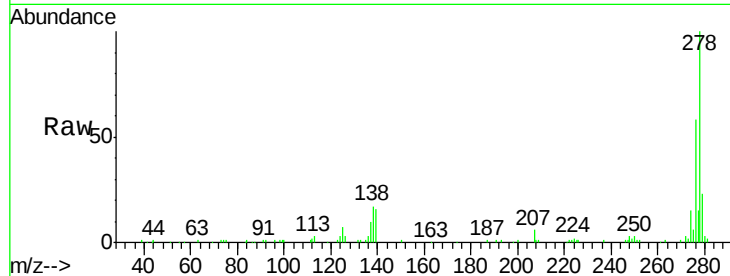
#91
Dibenzo(a,h)anthracene
Concen: 5.617 ng
RT: 16.81 min Scan# 2503
Delta R.T. -0.04 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.7	11.4	17.2
279	23.5	19.1	28.7

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#92
Benzo(g,h,i)perylene
Concen: 5.757 ng
RT: 17.22 min Scan# 2573
Delta R.T. -0.04 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.6	19.6	29.4
138	21.5	16.5	24.7

