

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061120\
 Data File : BF120601.D
 Acq On : 11 Jun 2020 14:29
 Operator : JU/CG
 Sample : L1161-02
 Misc : L00-SOIL-10PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

Manual Integrations
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mohammad
 6/15/2020 8:42:49 AM

Quant Time: Jun 11 15:32:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 14:06:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	149876	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	542987	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	286957	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	546726	20.00	ng	0.00
76) Chrysene-d12	13.96	240	441365	20.00	ng	0.00
86) Perylene-d12	15.39	264	498655	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1221543	139.73	ng	0.00
7) Phenol-d6	6.43	99	1525598	140.12	ng	0.00
23) Nitrobenzene-d5	7.36	82	981219	101.01	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	466314	139.77	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1762857	93.99	ng	0.00
79) Terphenyl-d14	12.91	244	1963291	98.26	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.47	88	37680	9.094	ng	98
3) Pyridine	3.26	79	75977	6.523	ng	97
4) n-Nitrosodimethylamine	3.15	42	44344	9.174	ng	# 99
6) Aniline	6.46	93	141461	10.152	ng	99
8) 2-Chlorophenol	6.59	128	92740	9.388	ng	98
9) Benzaldehyde	6.35	77	80164	11.640	ng	96
10) Phenol	6.45	94	123381	10.621	ng	96
11) bis(2-Chloroethyl)ether	6.53	93	91070	9.412	ng	97
12) 1,3-Dichlorobenzene	6.74	146	103278	9.834	ng	97
13) 1,4-Dichlorobenzene	6.82	146	104116	10.048	ng	99
14) 1,2-Dichlorobenzene	6.97	146	97040	9.614	ng	99
15) Benzyl Alcohol	6.93	79	88310	11.437	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.07	45	136781	9.817	ng	98
17) 2-Methylphenol	7.05	107	75085	8.912	ng	99
18) Hexachloroethane	7.31	117	37895	9.925	ng	92
19) n-Nitroso-di-n-propylamine	7.20	70	66419	10.516	ng	97
20) 3+4-Methylphenols	7.20	107	97448	9.256	ng	# 75
22) Acetophenone	7.20	105	136391	11.235	ng	# 97
24) Nitrobenzene	7.38	77	100735	9.909	ng	99
25) Isophorone	7.62	82	179800	9.502	ng	96
26) 2-Nitrophenol	7.70	139	46494	8.645	ng	94
27) 2,4-Dimethylphenol	7.73	122	70564	8.911	ng	99
28) bis(2-Chloroethoxy)methane	7.83	93	114899	10.475	ng	99
29) 2,4-Dichlorophenol	7.94	162	77521	9.631	ng	98
30) 1,2,4-Trichlorobenzene	8.02	180	88186	9.886	ng	98
31) Naphthalene	8.10	128	286622	10.750	ng	99
32) Benzoic acid	7.80	122	31131m	5.124	ng	
33) 4-Chloroaniline	8.15	127	116686	9.535	ng	99
34) Hexachlorobutadiene	8.22	225	50737	9.758	ng	98
35) Caprolactam	8.49	113	25640	9.960	ng	90
36) 4-Chloro-3-methylphenol	8.63	107	79393	9.873	ng	99
37) 2-Methylnaphthalene	8.79	142	190795	10.962	ng	98
38) 1-Methylnaphthalene	8.89	142	180106	10.997	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	91105	10.633	ng	99

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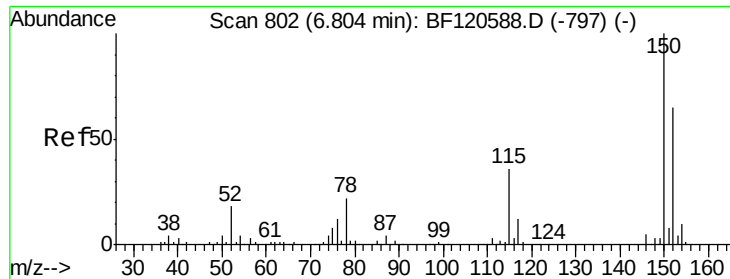
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Quant Time: Jun 11 15:32:36 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	38116	7.938	ng	96
43) 2,4,6-Trichlorophenol	9.07	196	54984	9.046	ng	98
44) 2,4,5-Trichlorophenol	9.11	196	58890	8.540	ng	99
46) 1,1'-Biphenyl	9.26	154	243404	11.360	ng	97
47) 2-Chloronaphthalene	9.28	162	176302	10.062	ng	99
48) 2-Nitroaniline	9.37	65	49379	8.973	ng	97
49) Acenaphthylene	9.69	152	282896	10.461	ng	99
50) Dimethylphthalate	9.55	163	197418	9.552	ng	98
51) 2,6-Dinitrotoluene	9.61	165	41964	8.960	ng	88
52) Acenaphthene	9.86	154	172624	10.703	ng	99
53) 3-Nitroaniline	9.78	138	45978	8.173	ng	99
54) 2,4-Dinitrophenol	9.89	184	12515	4.984	ng	97
55) Dibenzofuran	10.04	168	259709	10.502	ng	100
56) 4-Nitrophenol	9.94	139	31940	7.539	ng	90
57) 2,4-Dinitrotoluene	10.02	165	53667	8.635	ng	92
58) Fluorene	10.38	166	197942	10.383	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.16	232	46563	8.583	ng	96
60) Diethylphthalate	10.25	149	201456	9.897	ng	99
61) 4-Chlorophenyl-phenylether	10.37	204	100454	10.204	ng	95
62) 4-Nitroaniline	10.39	138	46836	8.386	ng	96
63) Azobenzene	10.53	77	194536	10.529	ng	97
65) 4,6-Dinitro-2-methylphenol	10.42	198	21616	6.589	ng	88
66) n-Nitrosodiphenylamine	10.49	169	173499	10.334	ng	98
67) 4-Bromophenyl-phenylether	10.86	248	58822	9.480	ng	97
68) Hexachlorobenzene	10.93	284	65947	9.885	ng	98
69) Atrazine	11.02	200	56468	10.869	ng	99
70) Pentachlorophenol	11.12	266	24601	6.633	ng	98
71) Phenanthrene	11.34	178	289472	10.651	ng	98
72) Anthracene	11.39	178	293428	10.711	ng	98
73) Carbazole	11.54	167	264324	9.747	ng	99
74) Di-n-butylphthalate	11.88	149	314178	10.305	ng	99
75) Fluoranthene	12.53	202	315822	10.164	ng	98
77) Benzidine	12.65	184	171215	11.470	ng	# 93
78) Pyrene	12.76	202	326094	10.429	ng	98
80) Butylbenzylphthalate	13.37	149	127898	9.212	ng	96
81) Benzo(a)anthracene	13.94	228	297916	11.235	ng	99
82) 3,3'-Dichlorobenzidine	13.90	252	117640	11.615	ng	# 97
83) Chrysene	13.98	228	285647	10.502	ng	99
84) Bis(2-ethylhexyl)phthalate	13.94	149	191392	11.295	ng	100
85) Di-n-octyl phthalate	14.55	149	320081	9.898	ng	99
87) Indeno(1,2,3-cd)pyrene	16.80	276	321362	10.595	ng	98
88) Benzo(b)fluoranthene	14.97	252	291615	9.817	ng	100
89) Benzo(k)fluoranthene	15.00	252	265233	10.091	ng	100
90) Benzo(a)pyrene	15.33	252	254021	9.556	ng	97
91) Dibenzo(a,h)anthracene	16.82	278	273633	11.250	ng	98
92) Benzo(g,h,i)perylene	17.23	276	273576	11.159	ng	96

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



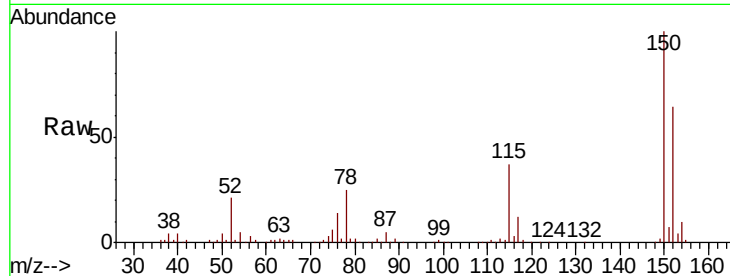
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	123.2	184.8
115	58.9	43.9	65.9

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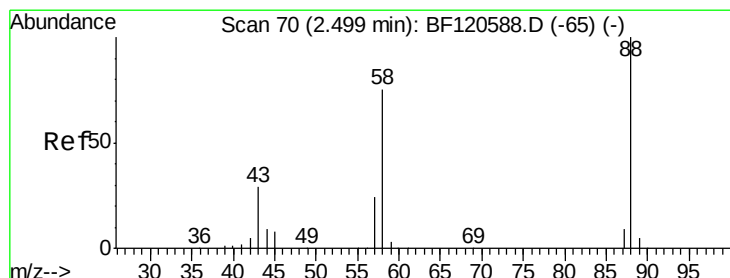
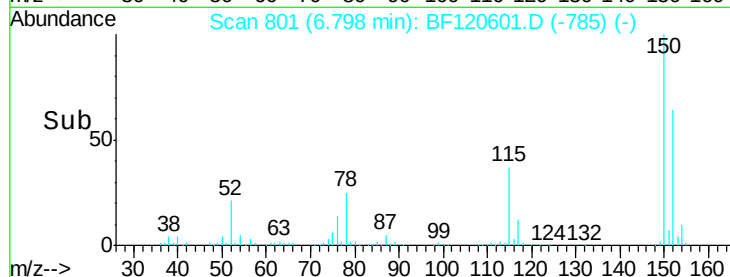
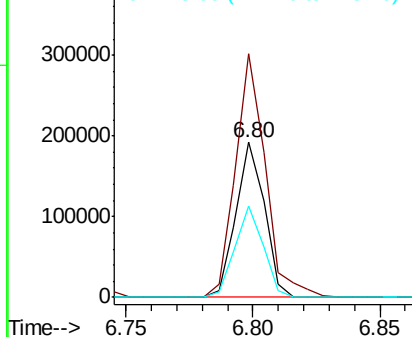


Abundance

Ion 152.00 (151.70 to 152.70): E

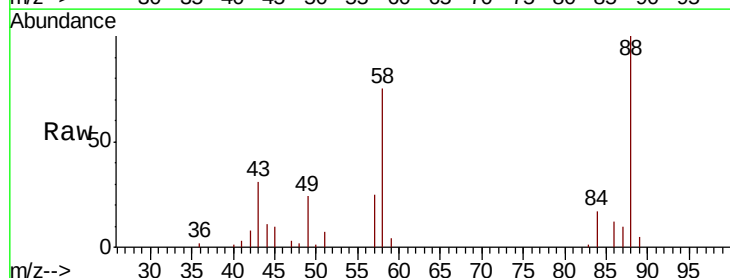
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2
 1,4-Dioxane
 Concen: 9.094 ng
 RT: 2.47 min Scan# 66
 Delta R.T. -0.03 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
88	100		
58	75.7	59.6	89.4
43	30.9	23.1	34.7

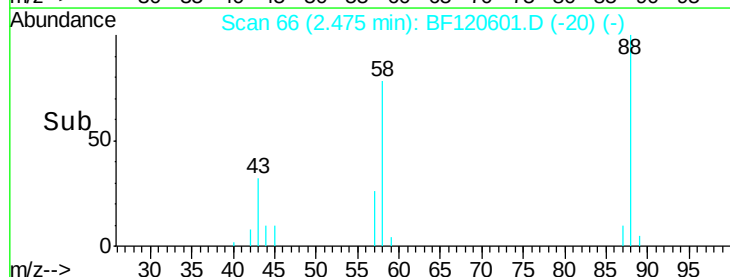
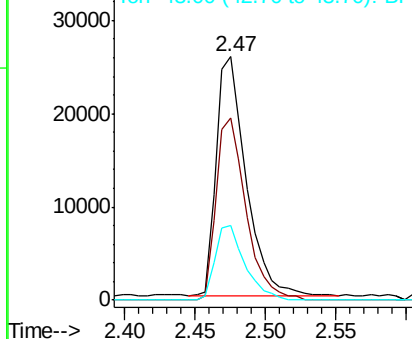


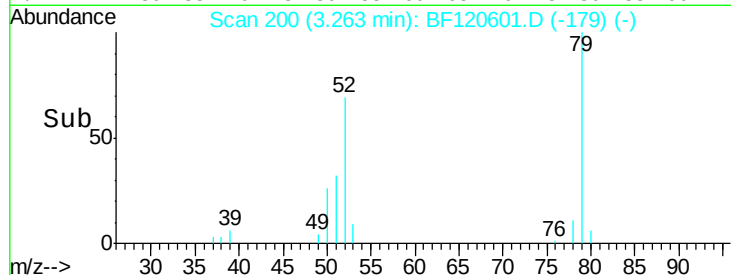
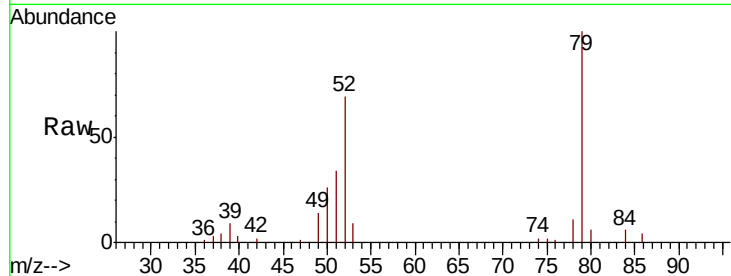
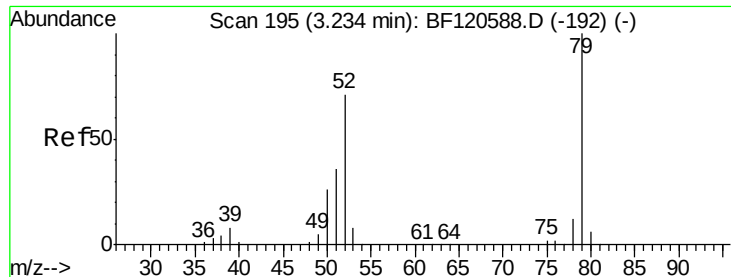
Abundance

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





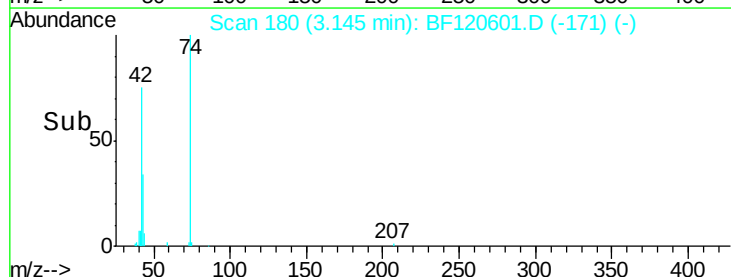
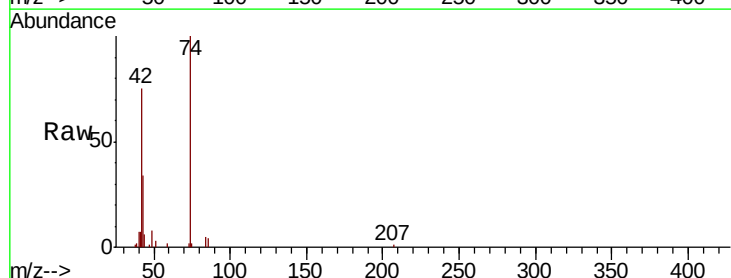
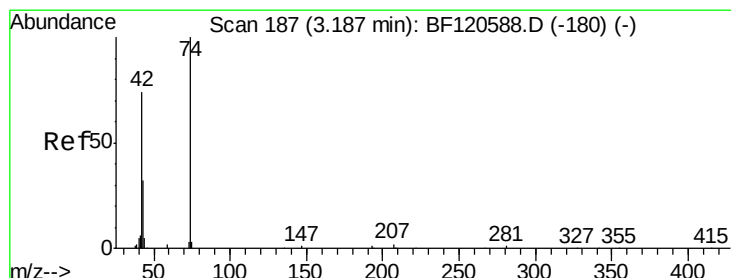
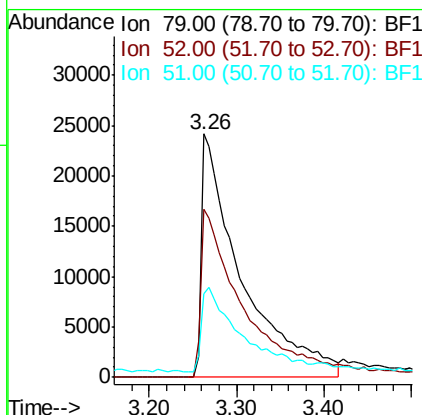
#3
 Pvridine
 Concen: 6.523 ng
 RT: 3.26 min Scan# 200
 Delta R.T. 0.02 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Tot Ion:	79	Resp:	75977
Ion	Ratio	Lower	Upper
79	100		
52	68.9	57.0	85.6
51	34.4	28.5	42.7

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

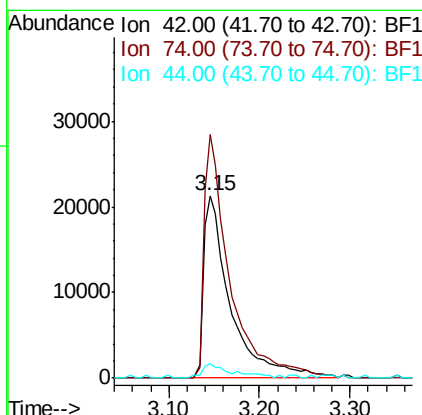
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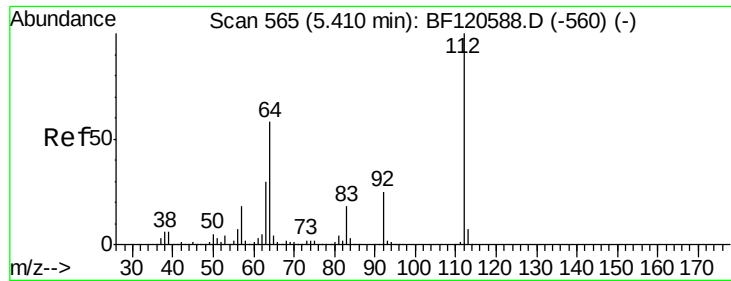
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#4
 n-Nitrosodimethylamine
 Concen: 9.174 ng
 RT: 3.15 min Scan# 180
 Delta R.T. -0.05 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Tgt Ion:	42	Resp:	44344
Ion	Ratio	Lower	Upper
42	100		
74	133.5	107.8	161.6
44	7.9	5.1	7.7#





#5

2-Fluorophenol

Concen: 139.734 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

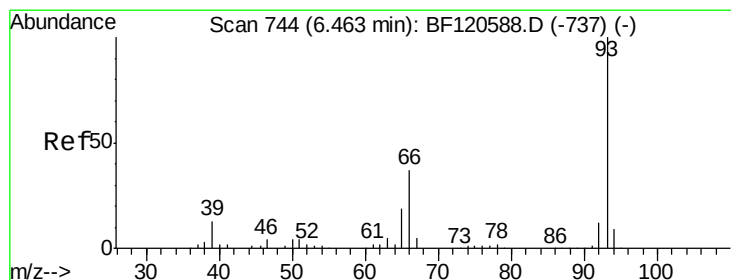
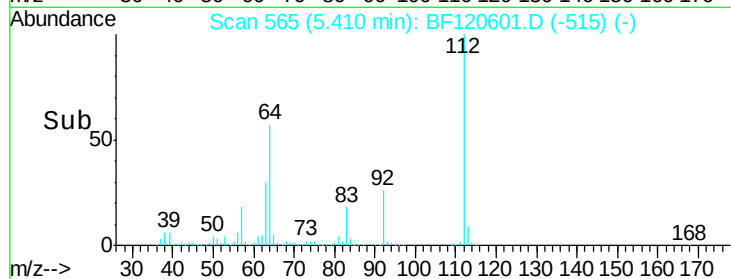
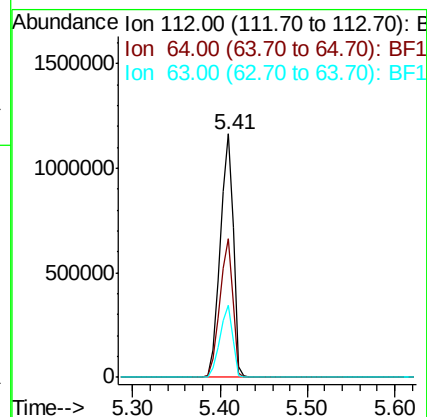
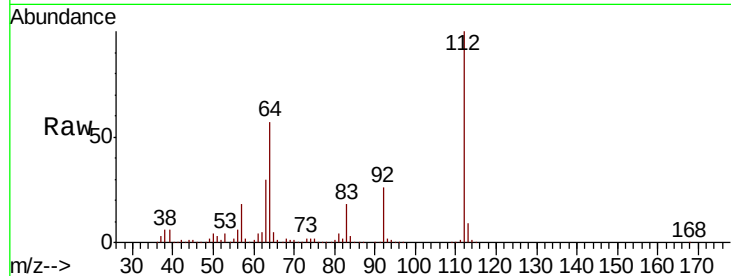
ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion:	112	Resp:	1221543
Ion	Ratio	Lower	Upper
112	100		
64	56.8	46.1	69.1
63	29.5	23.7	35.5

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#6

Aniline

Concen: 10.152 ng

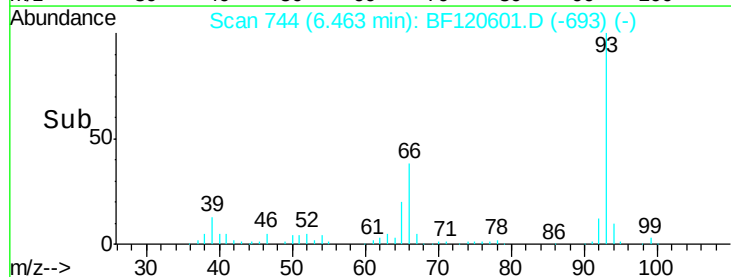
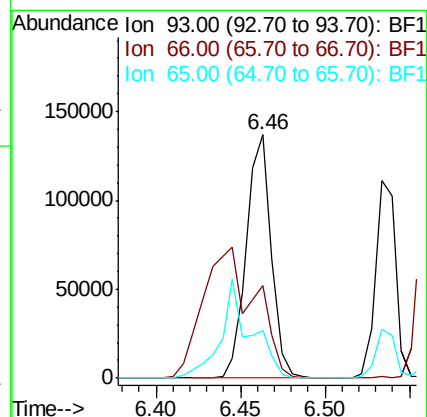
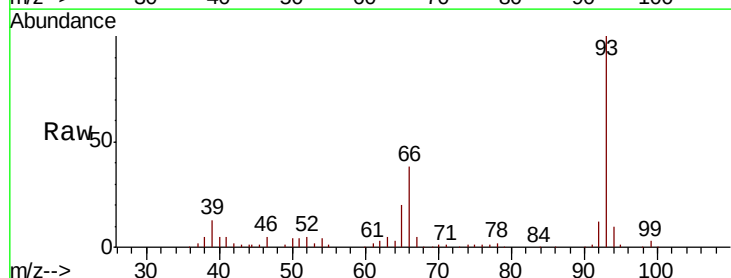
RT: 6.46 min Scan# 744

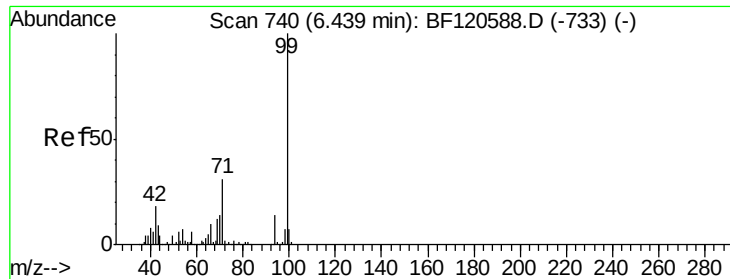
Delta R.T. 0.00 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Tgt Ion:	93	Resp:	141461
Ion	Ratio	Lower	Upper
93	100		
66	38.0	30.9	46.3
65	19.6	15.9	23.9





#7

Phenol-d6

Concen: 140.117 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion: 99 Resp: 1525598

Ion Ratio Lower Upper

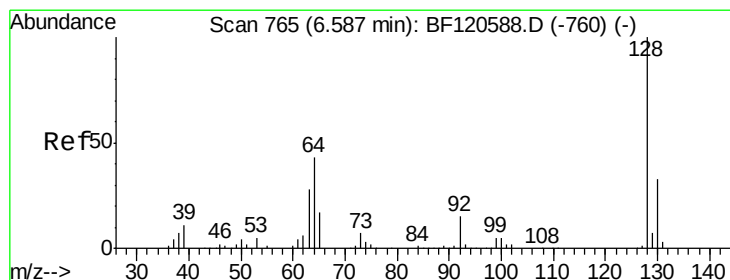
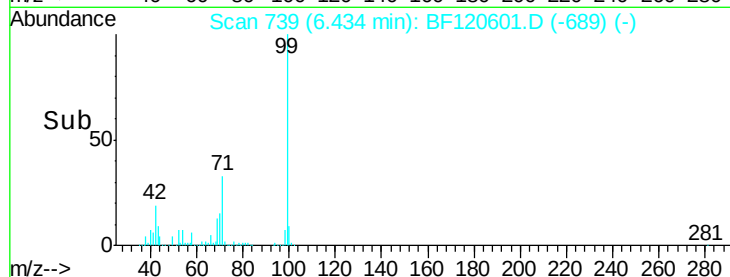
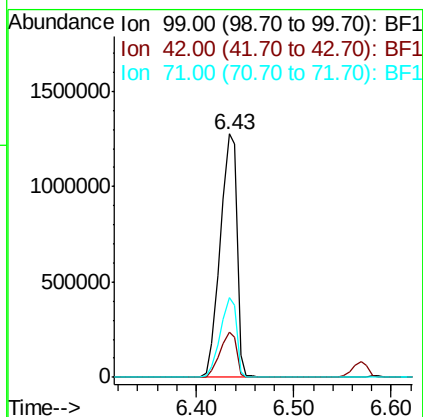
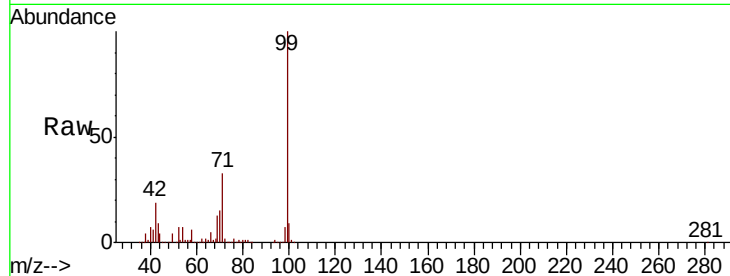
99 100

42 18.8 14.0 21.0

71 32.7 24.9 37.3

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#8

2-Chlorophenol

Concen: 9.388 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

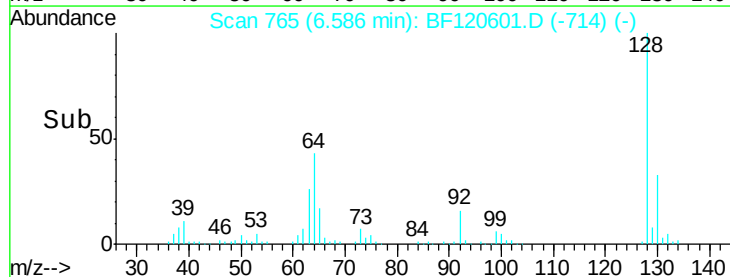
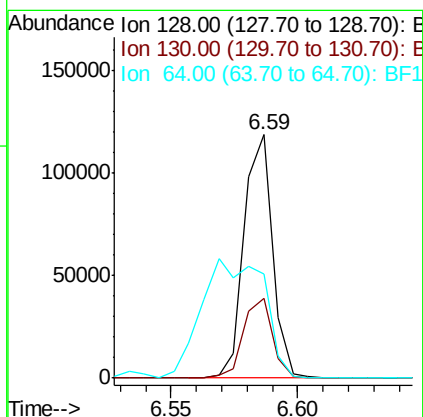
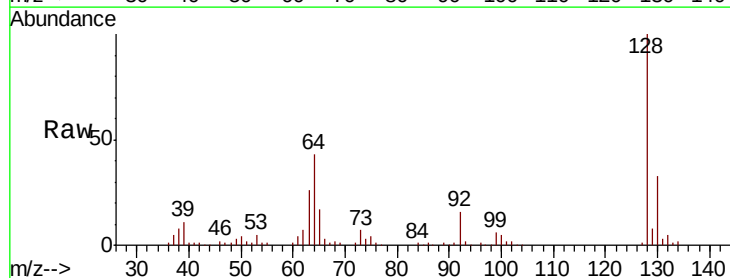
Tgt Ion: 128 Resp: 92740

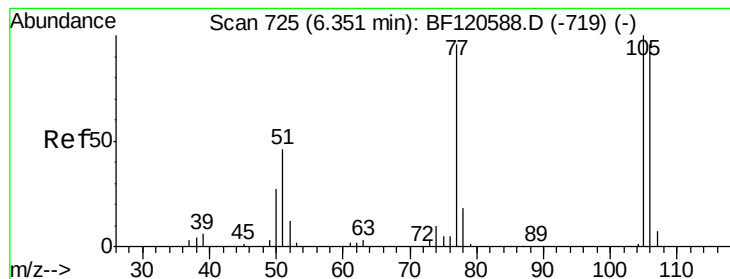
Ion Ratio Lower Upper

128 100

130 32.9 12.6 52.6

64 42.5 24.3 64.3





#9

Benzaldehyde

Concen: 11.640 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

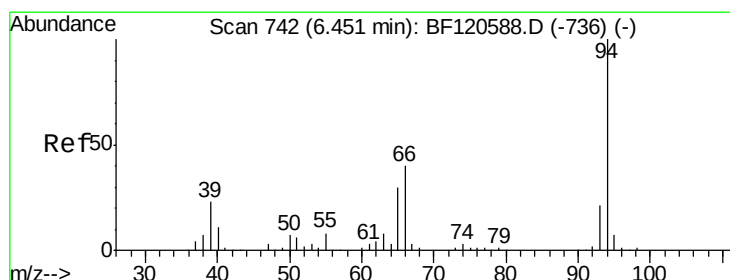
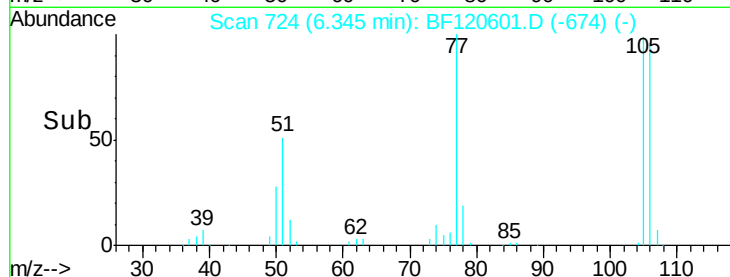
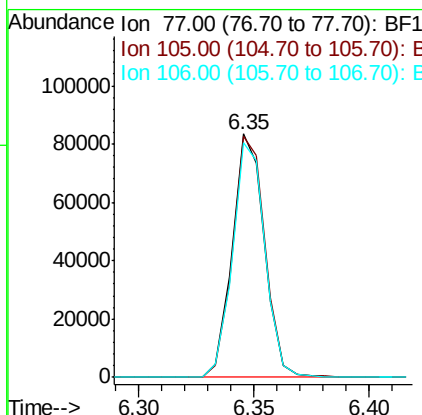
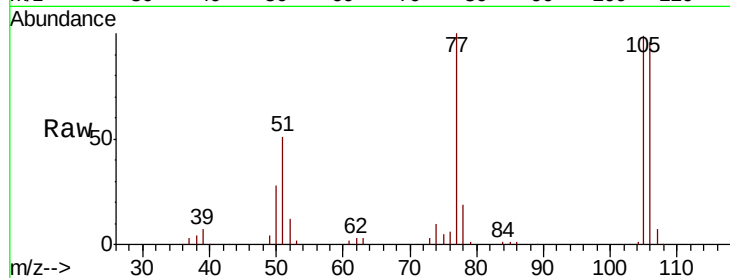
ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion:	77	Resp:	80164
Ion	Ratio	Lower	Upper
77	100		
105	99.1	83.8	123.8
106	96.1	79.3	119.3

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#10

Phenol

Concen: 10.621 ng

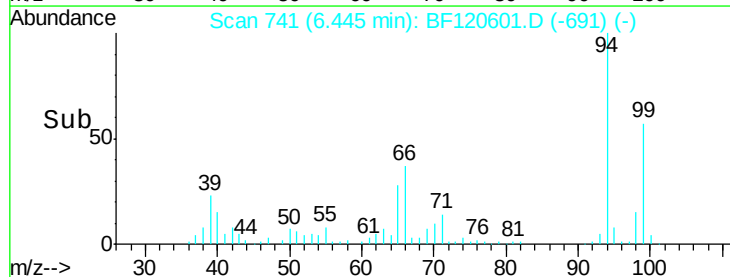
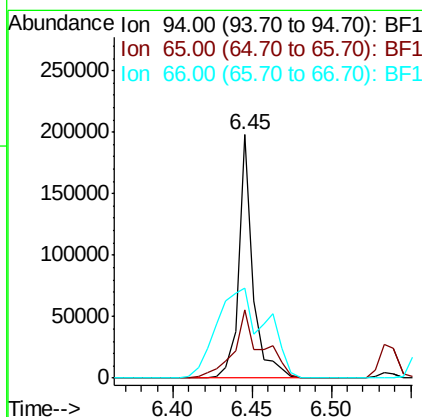
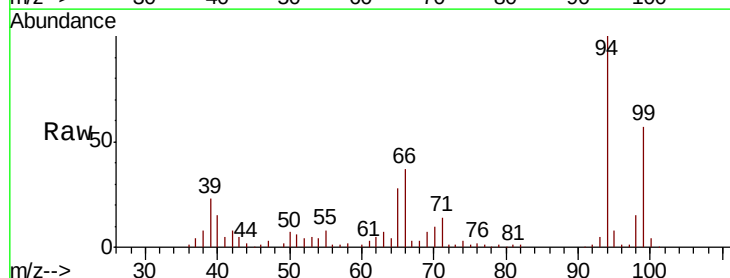
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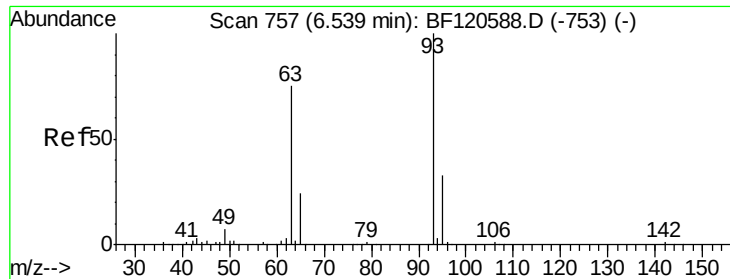
Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Tgt Ion:	94	Resp:	123381
Ion	Ratio	Lower	Upper
94	100		
65	28.0	9.9	49.9
66	37.1	20.1	60.1





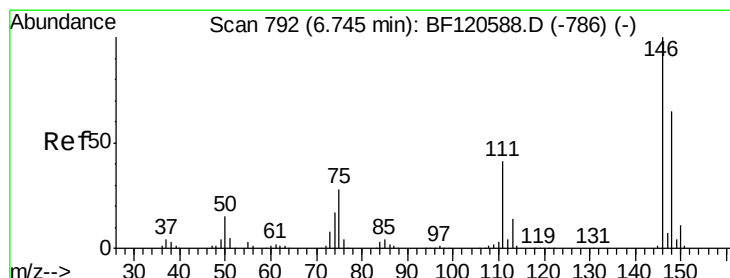
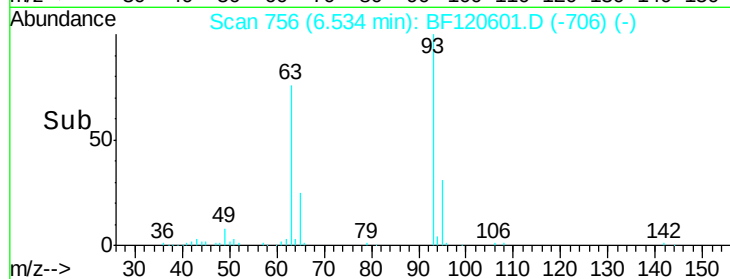
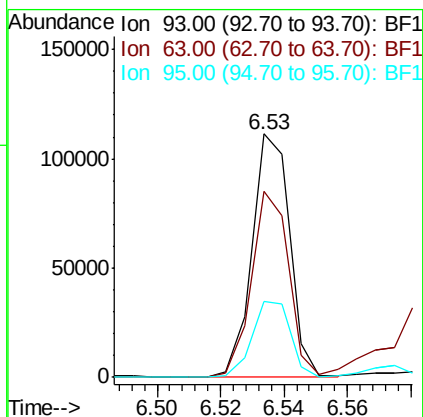
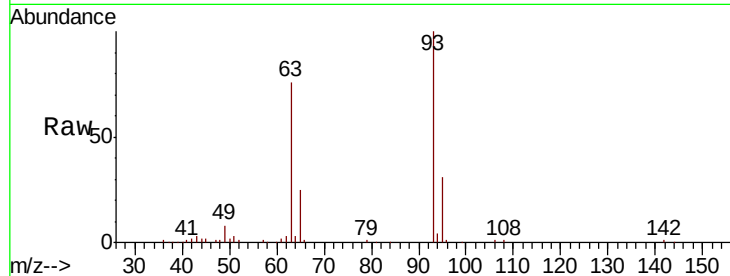
#11
bis(2-Chloroethyl)ether
Concen: 9.412 ng
RT: 6.53 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion:	93	Resp:	91070
Ion	Ratio	Lower	Upper
93	100		
63	76.4	54.4	94.4
95	31.0	12.9	52.9

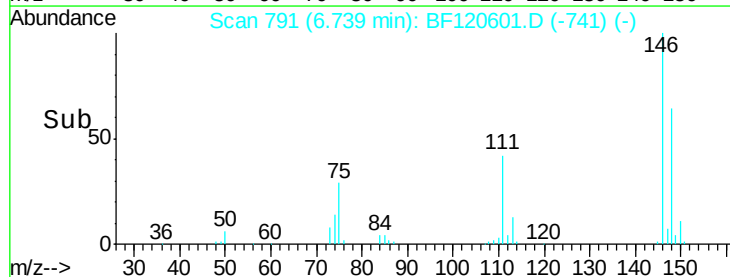
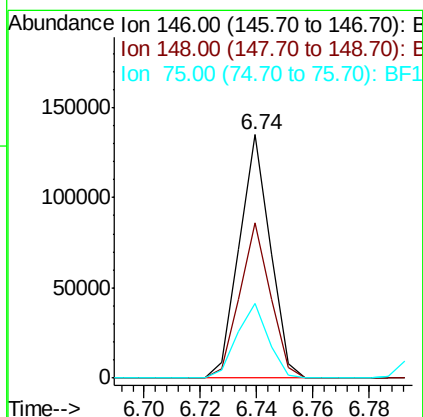
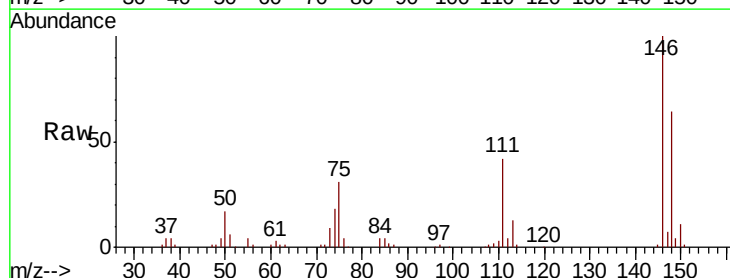
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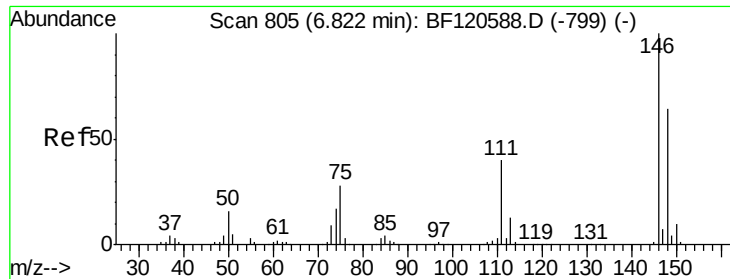
mohammad
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#12
1,3-Dichlorobenzene
Concen: 9.834 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion:	146	Resp:	103278
Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.8	77.6
75	30.7	22.2	33.4





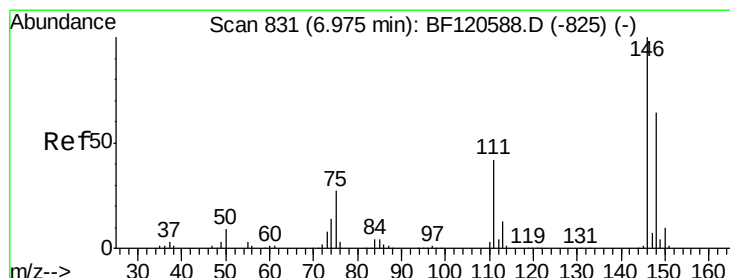
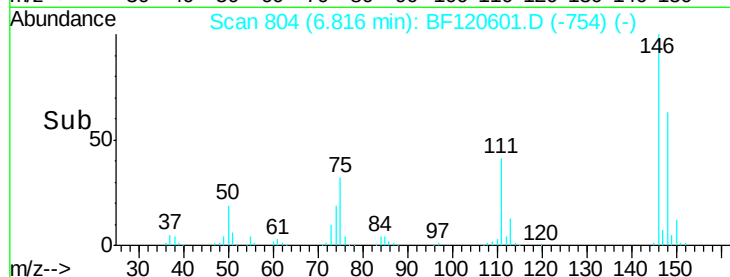
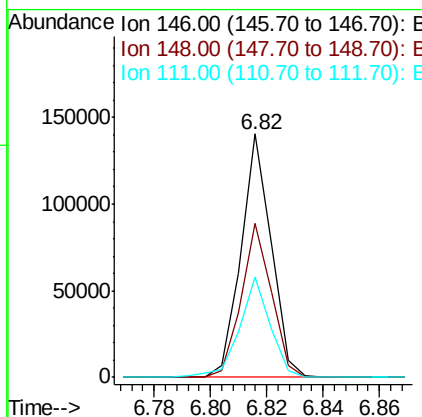
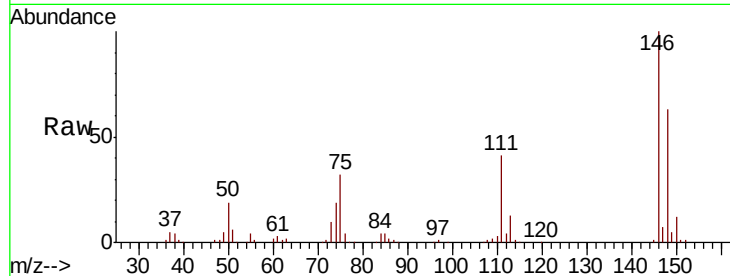
#13
1,4-Dichlorobenzene
Concen: 10.048 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.5	77.3
111	41.1	32.2	48.4

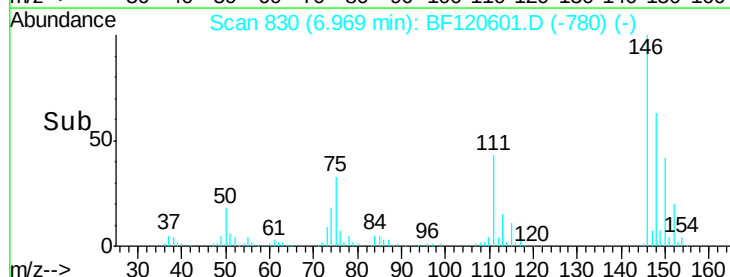
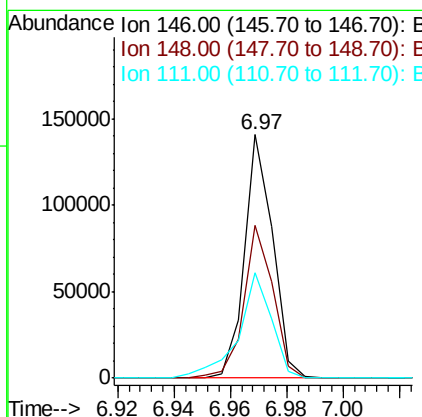
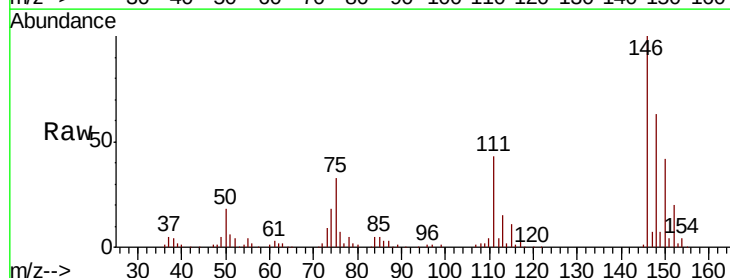
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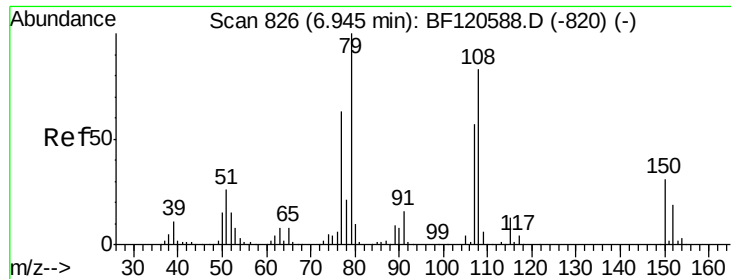
mohammad
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#14
1,2-Dichlorobenzene
Concen: 9.614 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.8	76.2
111	43.2	33.6	50.4





#15

Benzyl Alcohol

Concen: 11.437 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

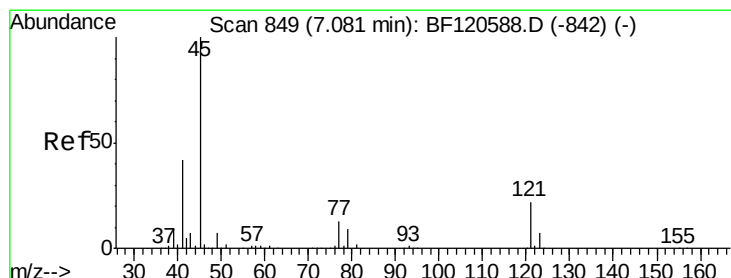
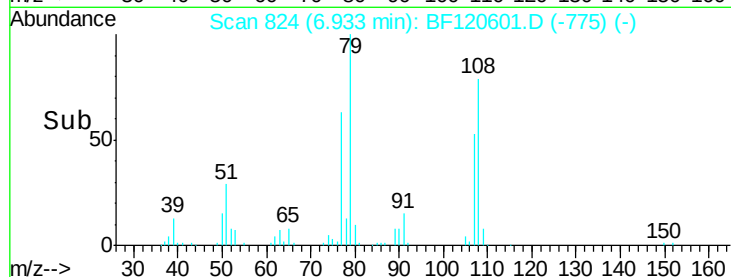
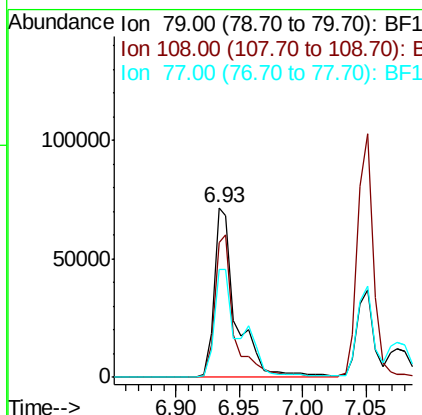
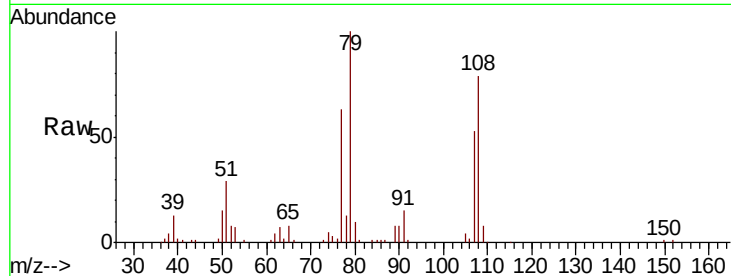
ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion:	79	Resp:	88310
Ion Ratio	Lower	Upper	
79	100		
108	79.1	66.8	100.2
77	63.3	50.6	76.0

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#16

2,2'-oxybis(1-chloropropane)

Concen: 9.817 ng

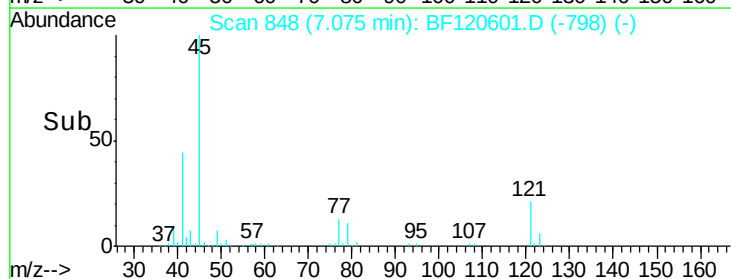
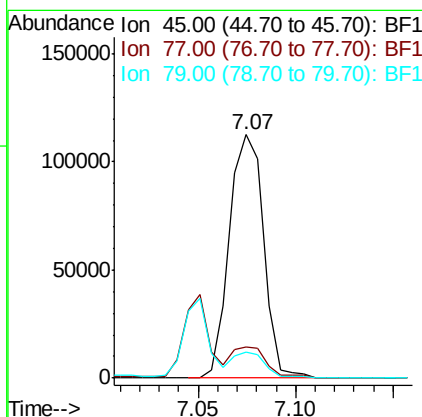
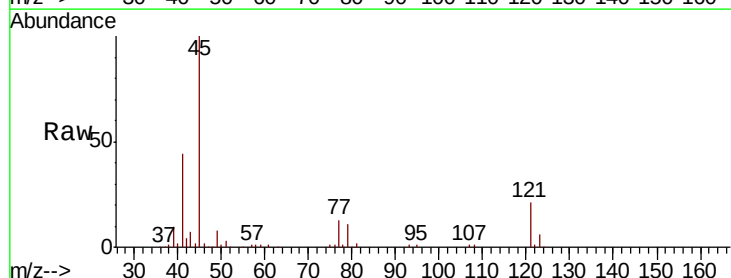
RT: 7.07 min Scan# 848

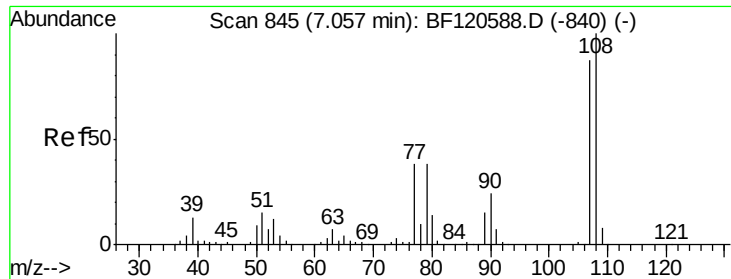
Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Tgt Ion:	45	Resp:	136781
Ion Ratio	Lower	Upper	
45	100		
77	13.0	0.0	34.2
79	10.7	0.0	30.9





#17

2-Methylphenol

Concen: 8.912 ng

RT: 7.05 min Scan# 844

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

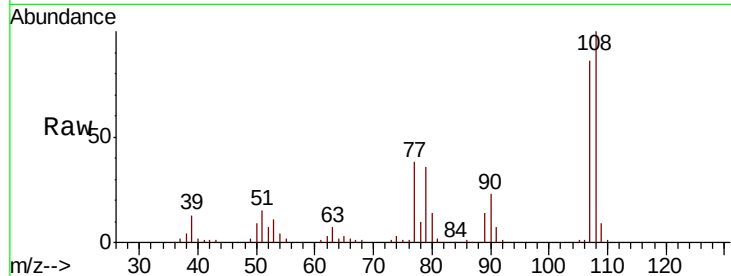
ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion:	107	Resp:	75085
Ion Ratio	Lower	Upper	
107	100		
108	116.1	91.9	137.9
77	43.7	35.4	53.2
79	41.7	34.8	52.2

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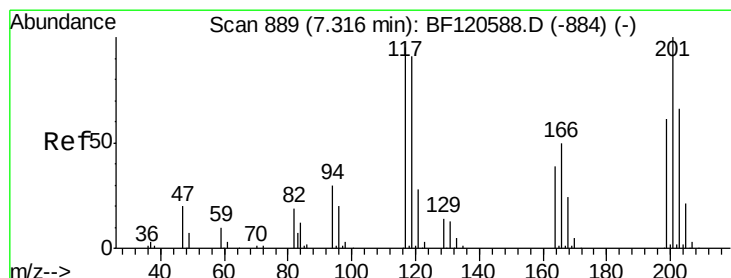
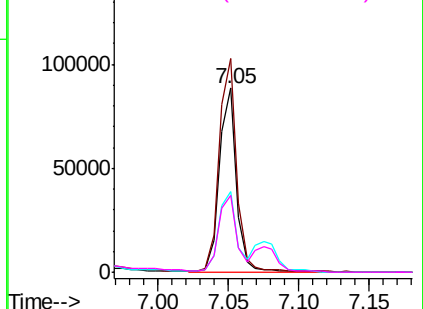
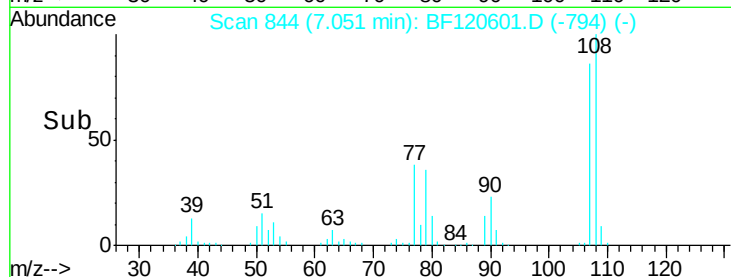
Abundance

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: 9.925 ng

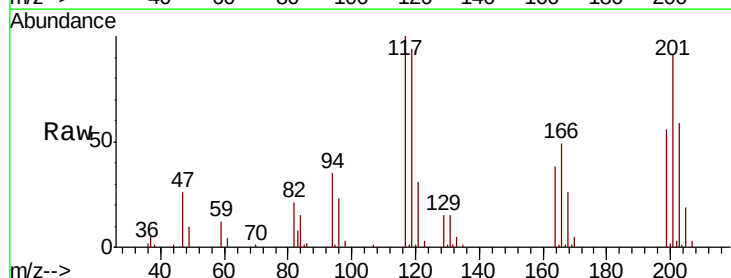
RT: 7.31 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Tgt Ion:	117	Resp:	37895
Ion Ratio	Lower	Upper	
117	100		
119	94.2	76.9	115.3
201	90.9	84.6	127.0

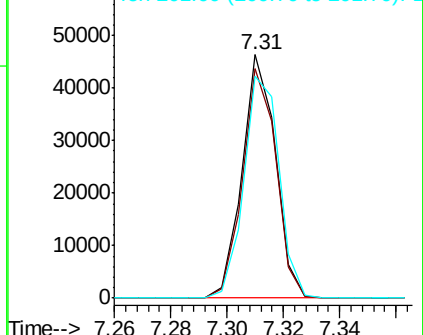
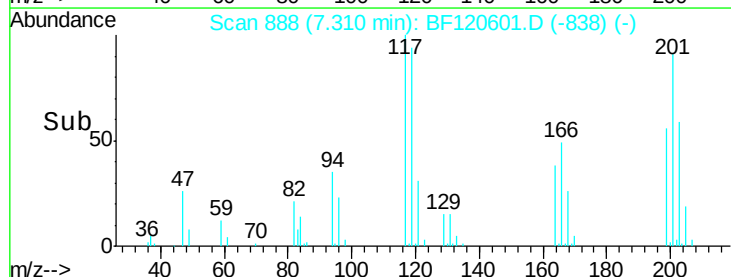


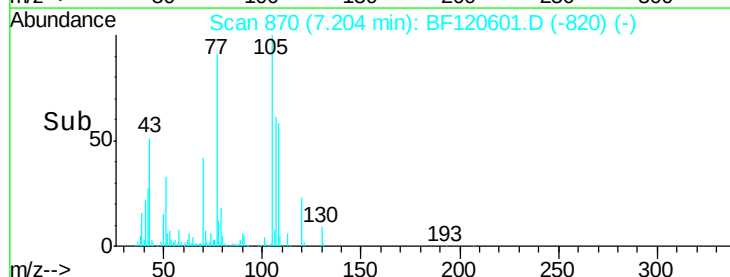
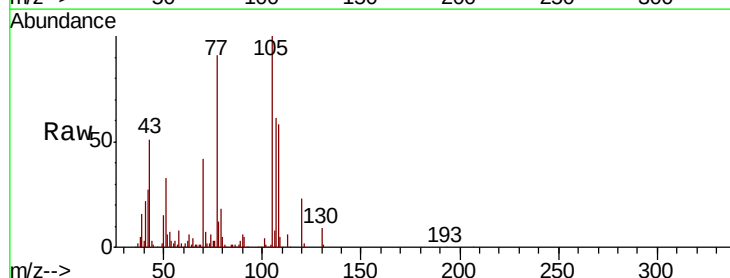
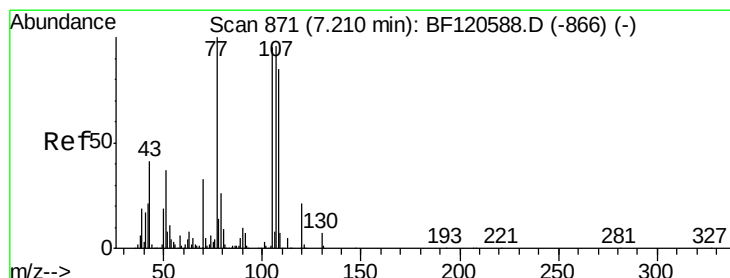
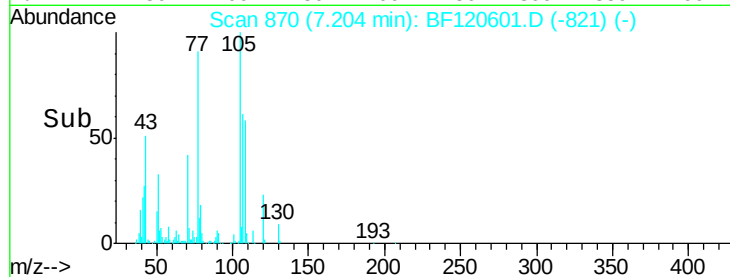
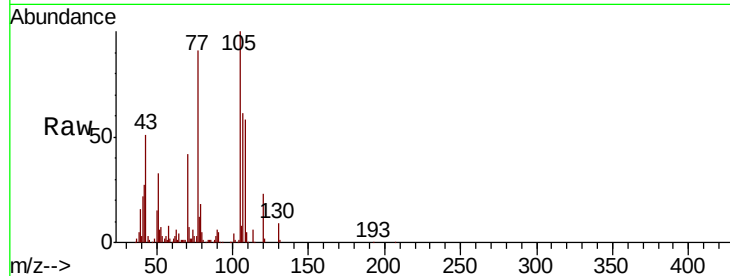
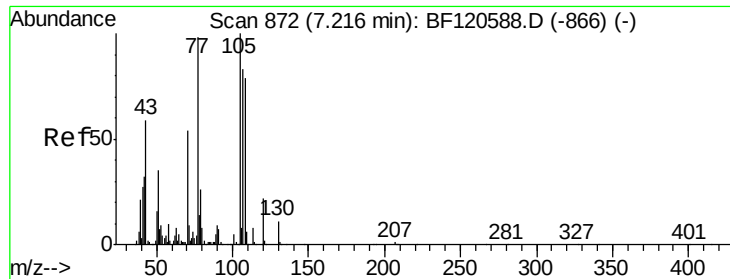
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

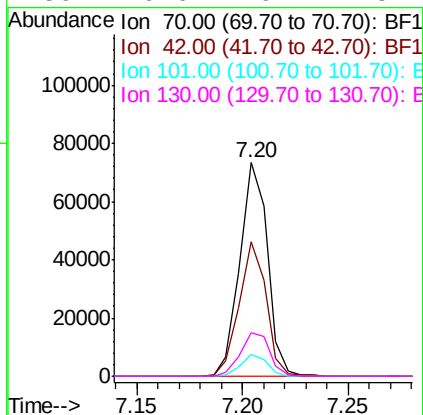
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 10.516 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tot Ion	Ratio	Lower	Upper
70	100		
42	63.2	47.7	71.5
101	10.1	7.6	11.4
130	20.6	16.7	25.1



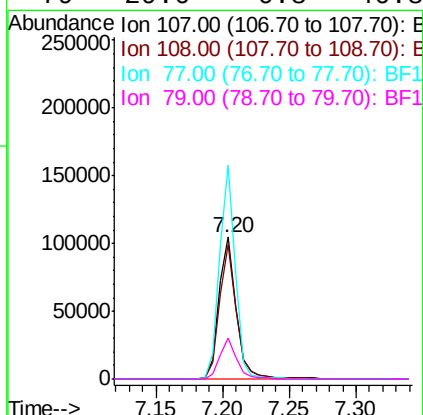
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

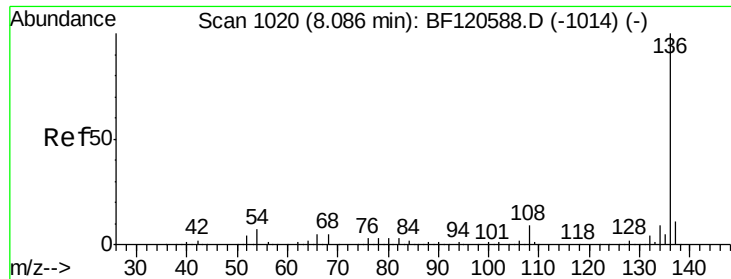
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#20
3+4-Methylphenols
Concen: 9.256 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
107	100		
108	95.1	68.7	108.7
77	150.5	84.2	124.2#
79	29.0	6.8	46.8





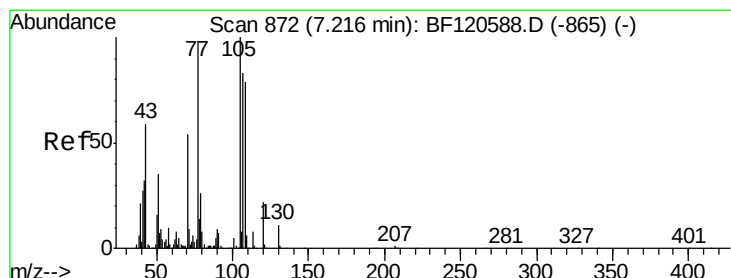
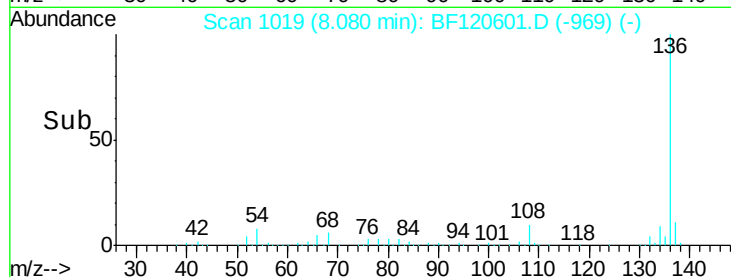
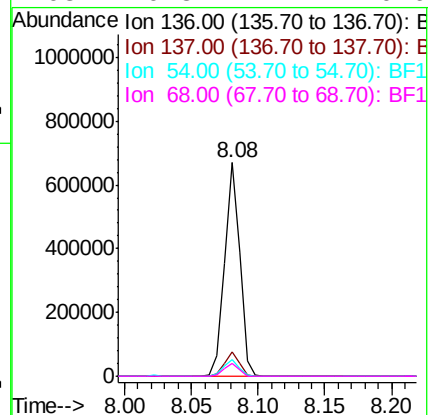
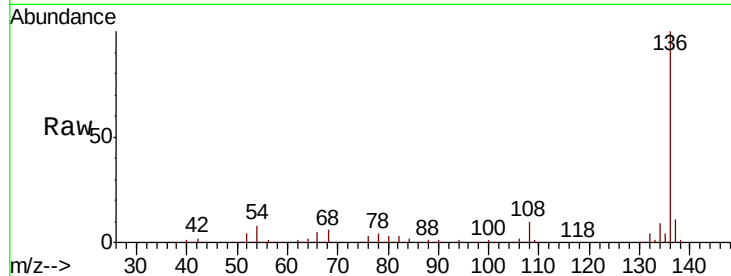
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
136	100	542987		
137	11.4	8.6	13.0	
54	7.8	5.8	8.6	
68	6.3	4.4	6.6	

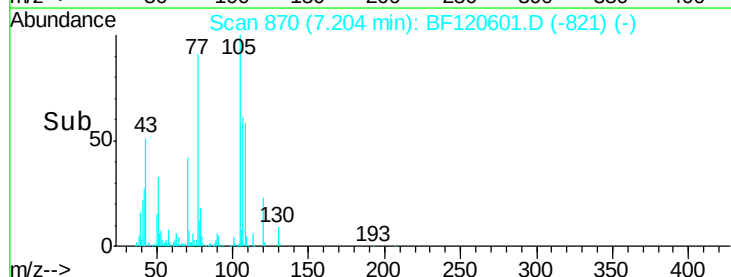
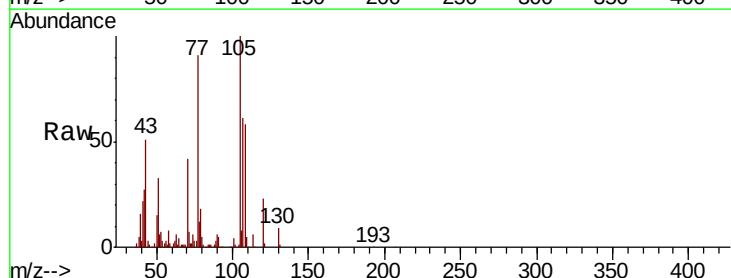
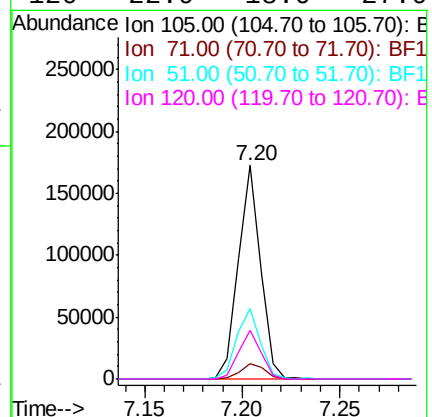
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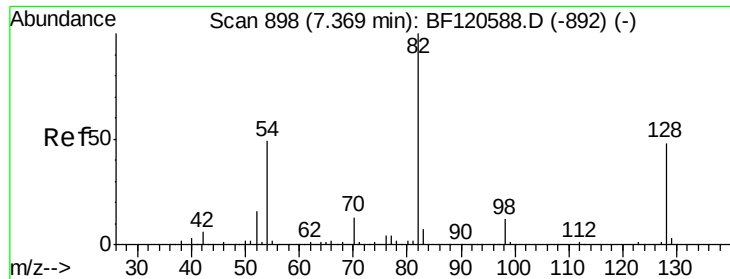
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#22
Acetophenone
Concen: 11.235 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	136391		
71	7.1	7.2	10.8#	
51	32.7	27.8	41.8	
120	22.9	18.0	27.0	





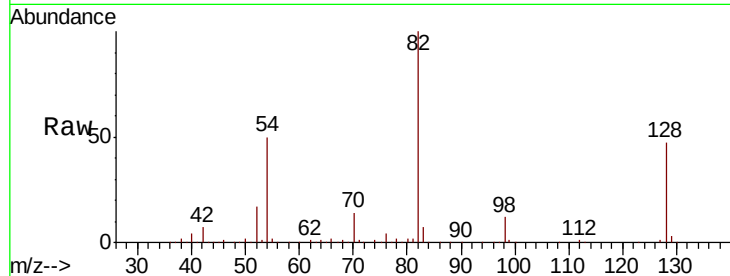
#23
Nitrobenzene-d5
Concen: 101.010 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

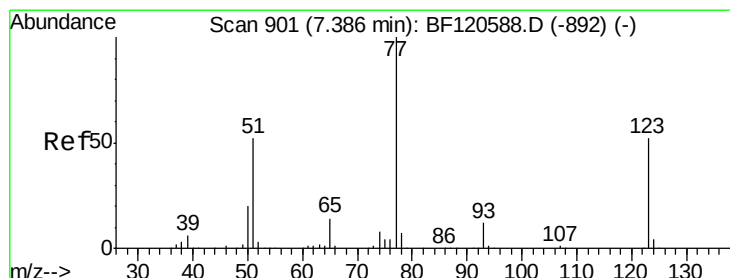
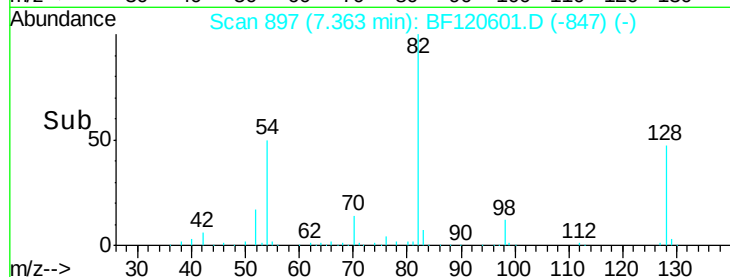
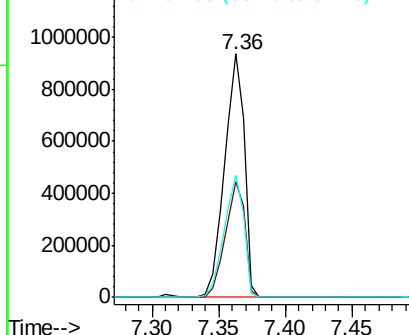
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.5	38.0	57.0	
54	50.1	38.8	58.2	

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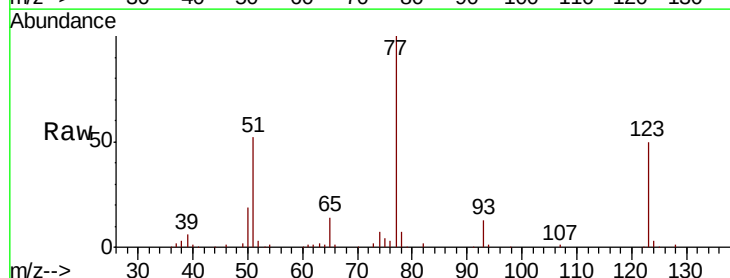


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

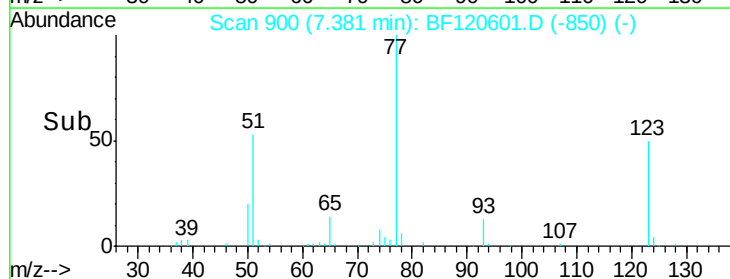
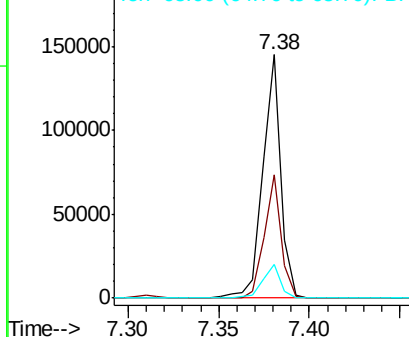


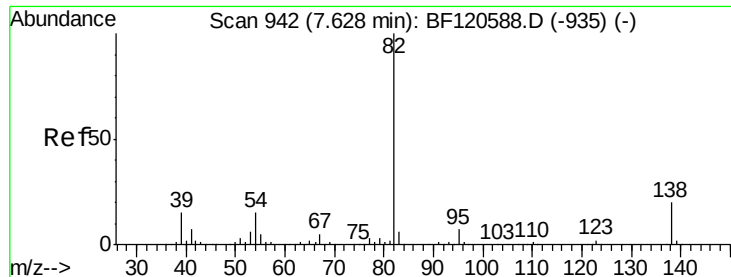
#24
Nitrobenzene
Concen: 9.909 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	50.5	41.4	62.0	
65	13.7	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





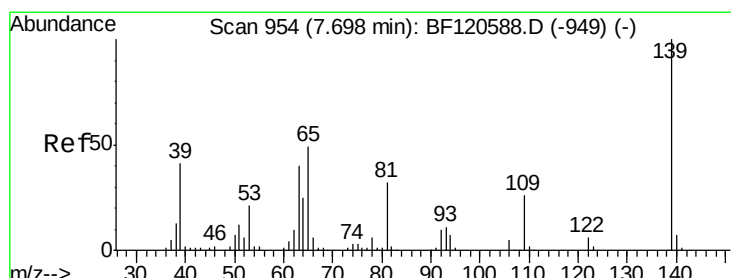
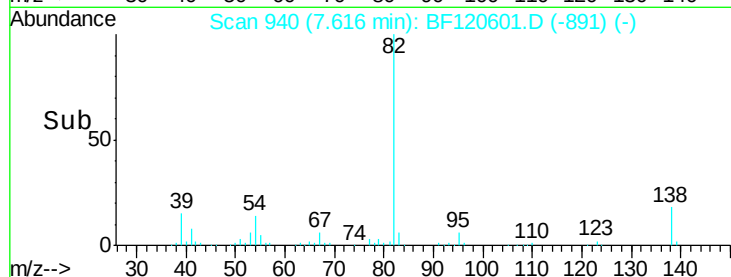
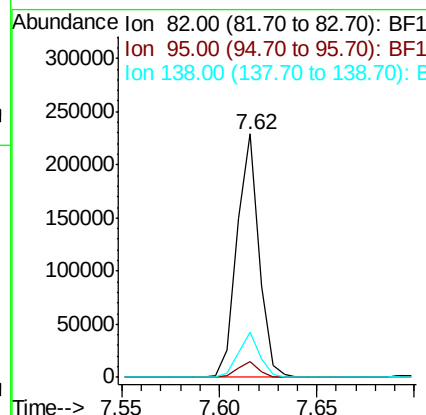
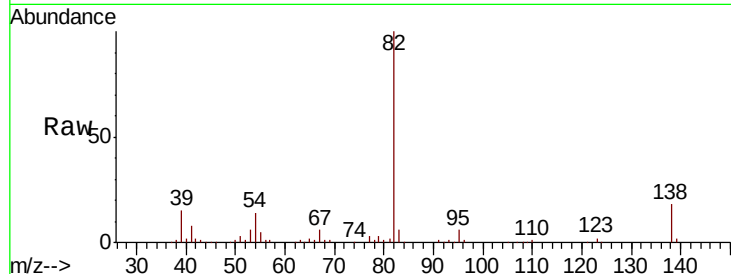
#25
Isophorone
Concen: 9.502 ng
RT: 7.62 min Scan# 940
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
82	100	179800		
95	6.5	5.7	8.5	
138	18.4	16.2	24.4	

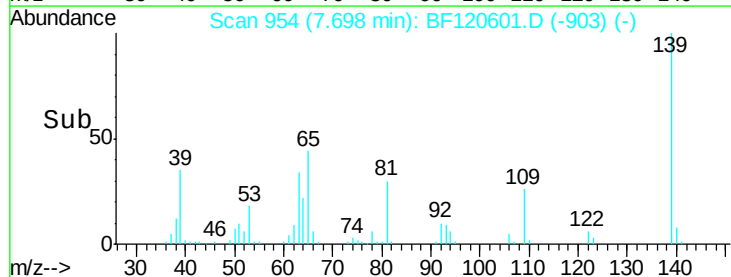
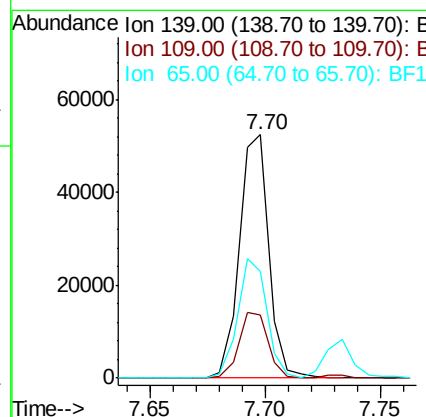
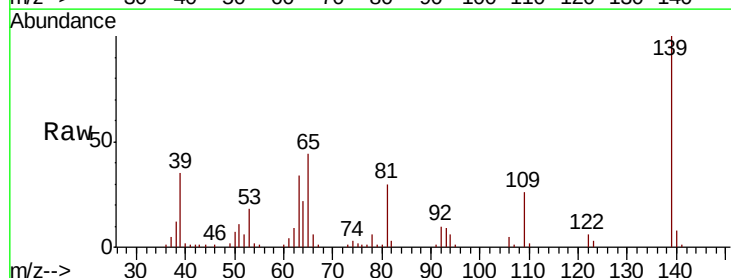
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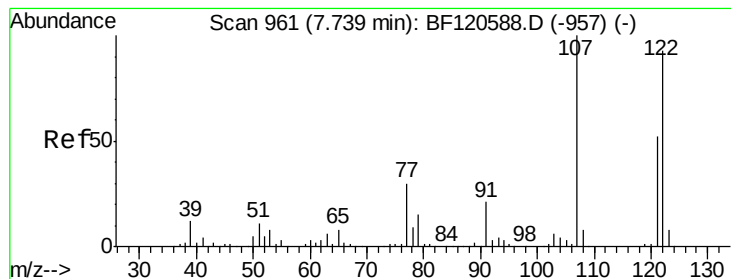
mohammad
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#26
2-Nitrophenol
Concen: 8.645 ng
RT: 7.70 min Scan# 954
Delta R.T. 0.00 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	46494		
109	26.1	21.1	31.7	
65	43.6	39.4	59.0	





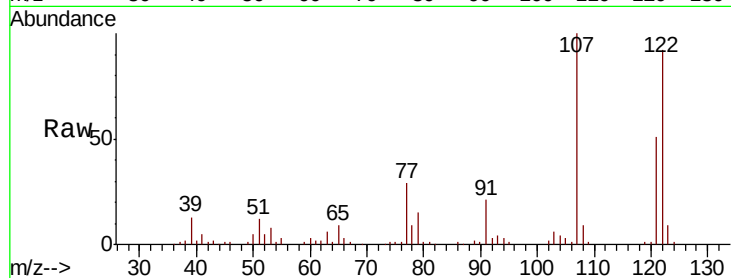
#27
 2,4-Dimethylphenol
 Concen: 8.911 ng
 RT: 7.73 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Instrument :
 BNA_F
 ClientSampleID :
 LOQ-SOIL-02-QT1-2020

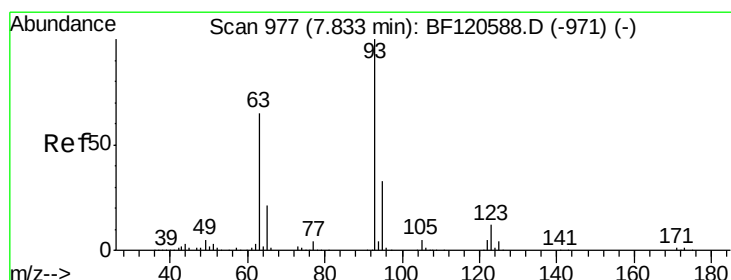
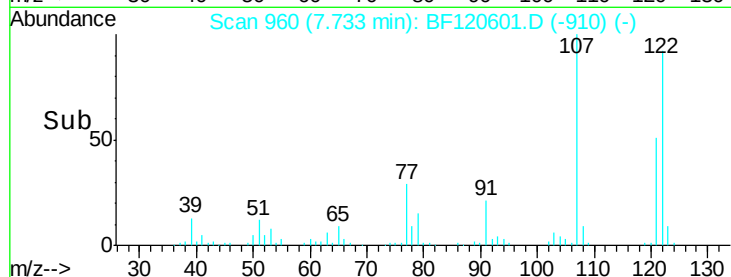
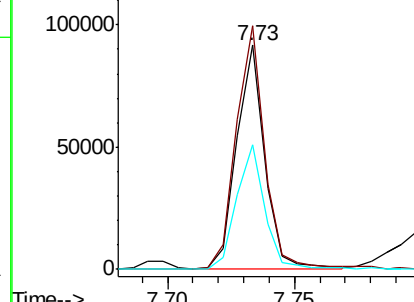
Tot Ion	Ratio	Lower	Upper
122	100		
107	108.7	86.4	129.6
121	55.8	45.2	67.8

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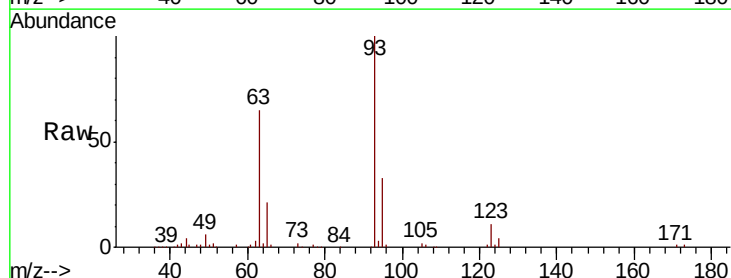


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

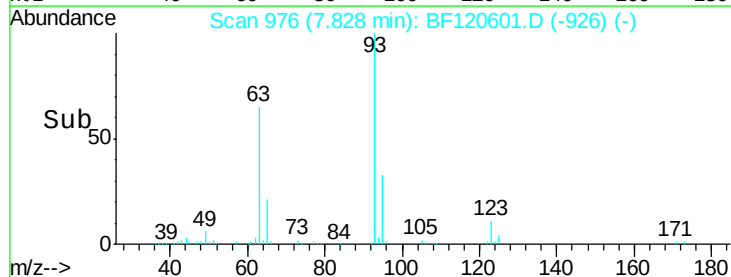
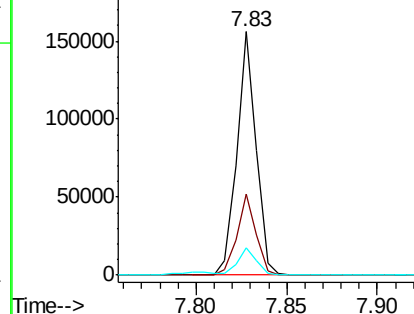


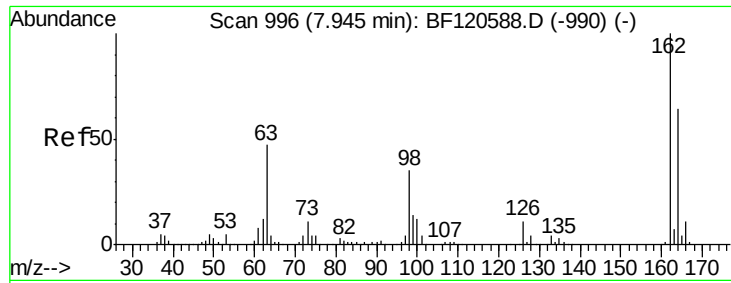
#28
 bis(2-Chloroethoxy)methane
 Concen: 10.475 ng
 RT: 7.83 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.2	39.4
123	11.0	9.5	14.3



Abundance Ion 93.00 (92.70 to 93.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 123.00 (122.70 to 123.70): E





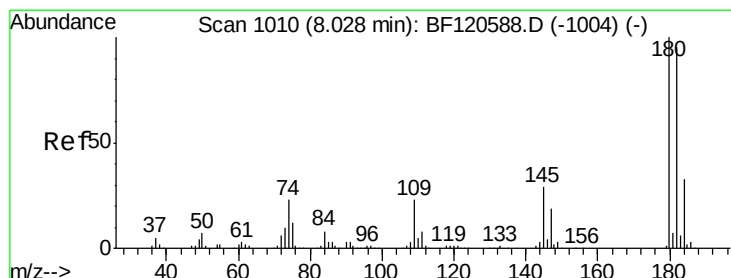
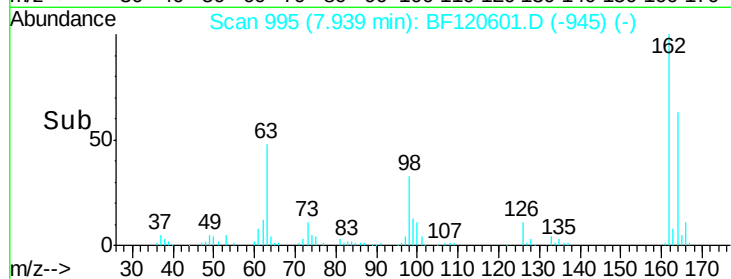
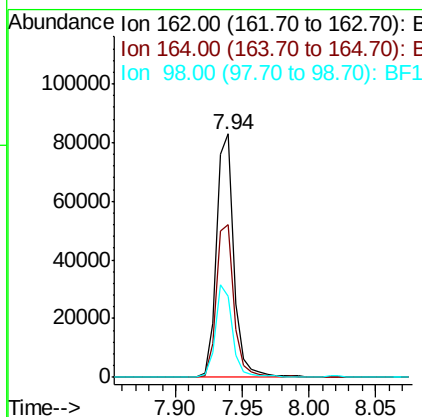
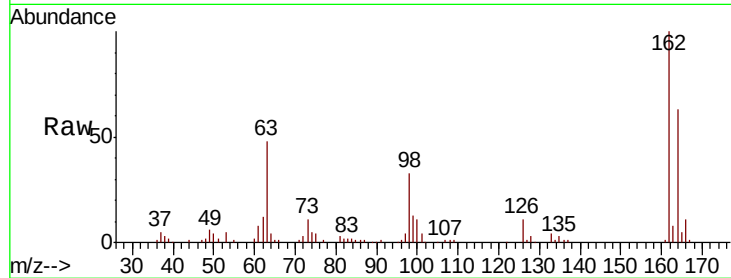
#29
2,4-Dichlorophenol
Concen: 9.631 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion:	162	Resp:	77521
Ion Ratio	Lower	Upper	
162	100		
164	62.9	44.1	84.1
98	33.5	14.7	54.7

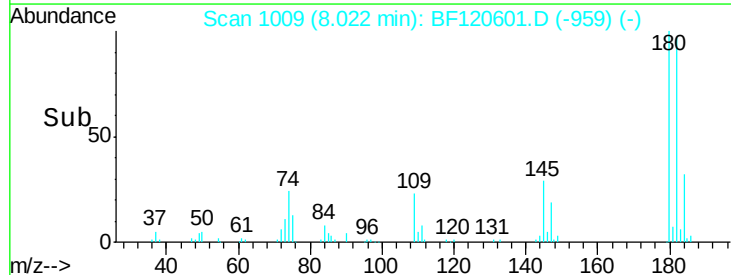
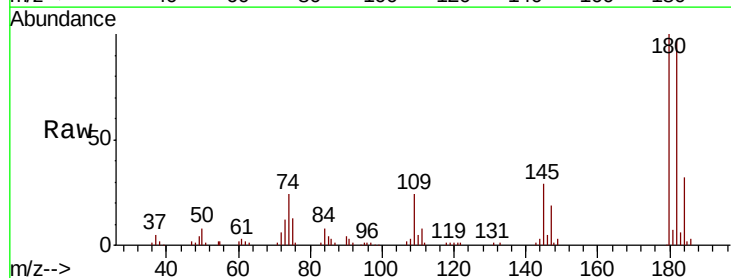
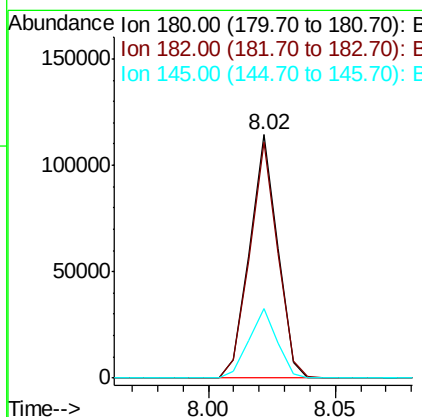
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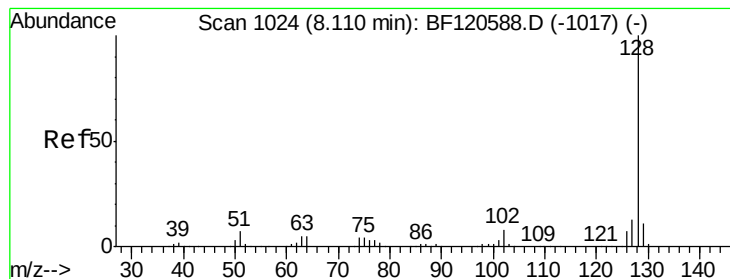
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#30
1,2,4-Trichlorobenzene
Concen: 9.886 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion:	180	Resp:	88186
Ion Ratio	Lower	Upper	
180	100		
182	97.0	75.8	113.6
145	28.7	23.0	34.6





#31

Naphthalene

Concen: 10.750 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

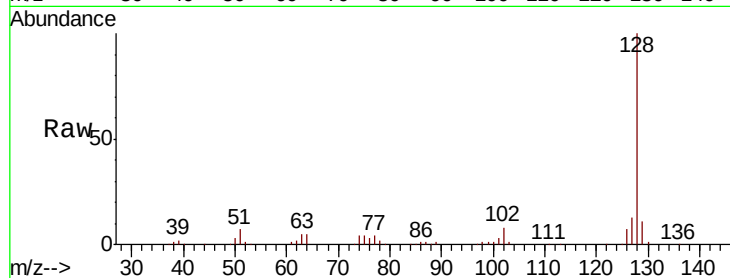
ClientSampleId :

LOQ-SOIL-02-QT1-2020

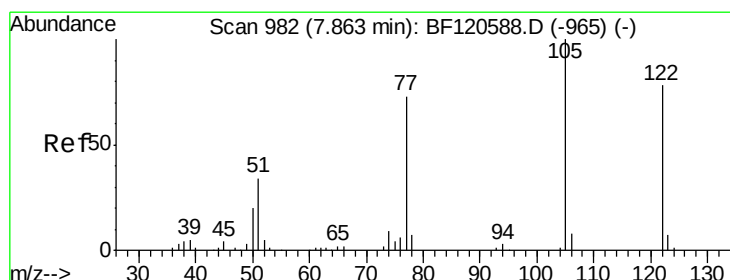
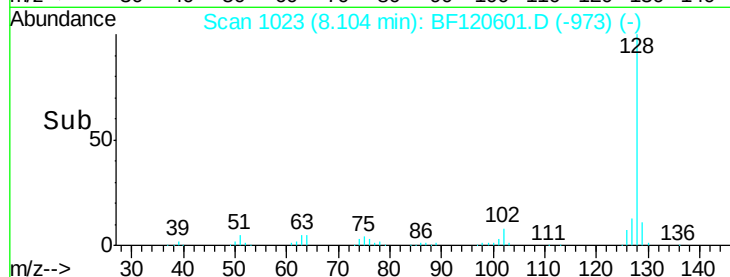
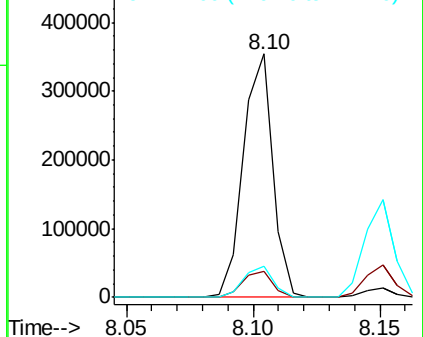
Tot Ion:	128	Resp:	286622
Ion Ratio	Lower	Upper	
128	100		
129	10.6	8.8	13.2
127	12.8	10.6	15.8

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 5.124 ng m

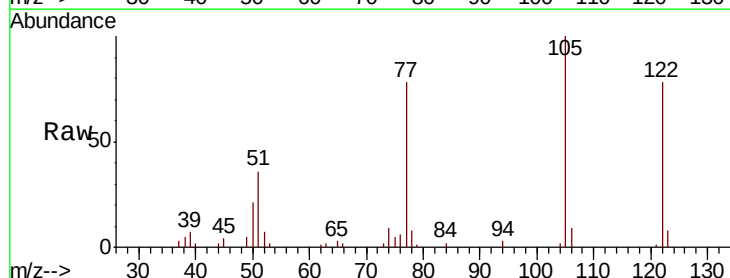
RT: 7.80 min Scan# 972

Delta R.T. -0.06 min

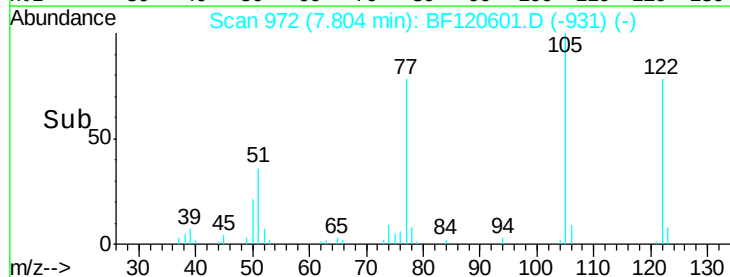
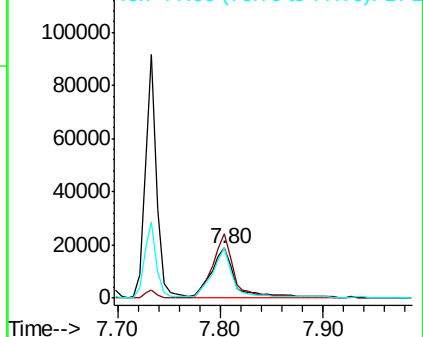
Lab File: BF120601.D

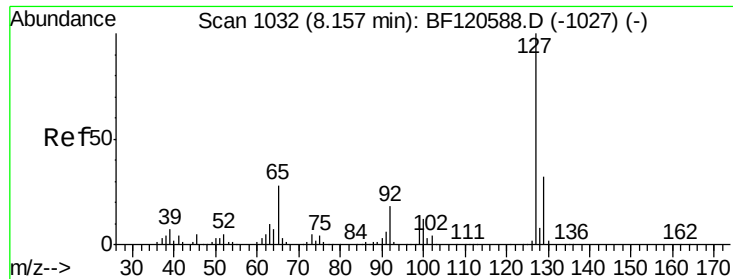
Acq: 11 Jun 2020 14:29

Tgt Ion:	122	Resp:	31131
Ion Ratio	Lower	Upper	
122	100		
105	127.9	101.0	141.0
77	99.5	69.8	109.8



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





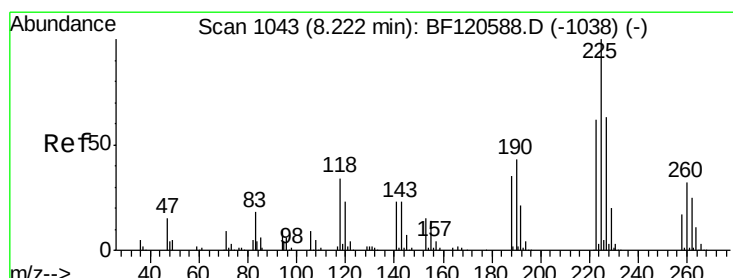
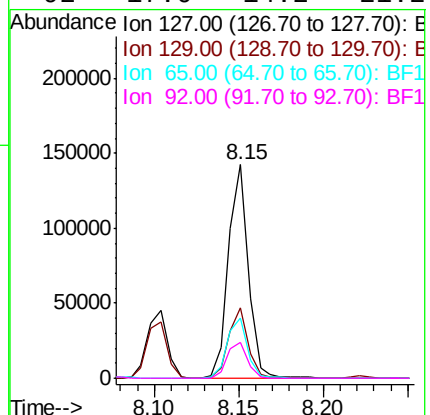
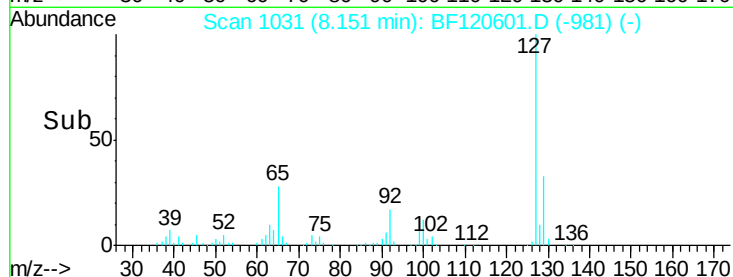
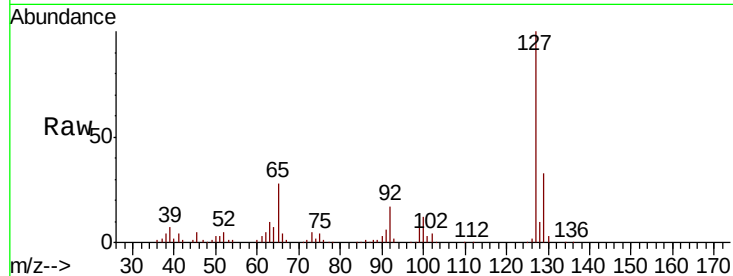
#33
4-Chloroaniline
Concen: 9.535 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	33.2	25.9	38.9		
65	28.2	22.2	33.4		
92	17.0	14.2	21.2		

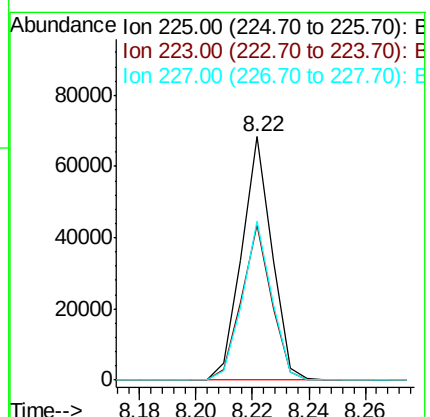
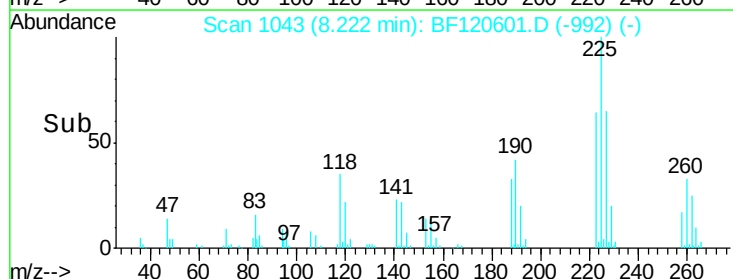
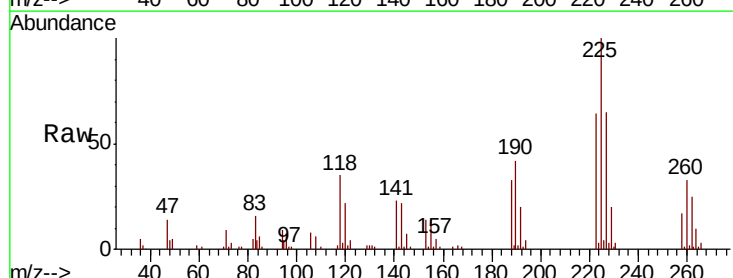
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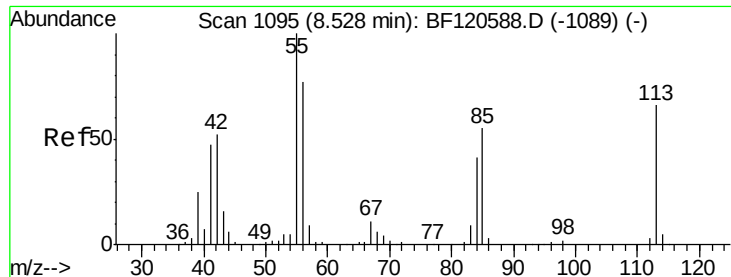
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#34
Hexachlorobutadiene
Concen: 9.758 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.5	49.9	74.9		
227	65.5	50.5	75.7		





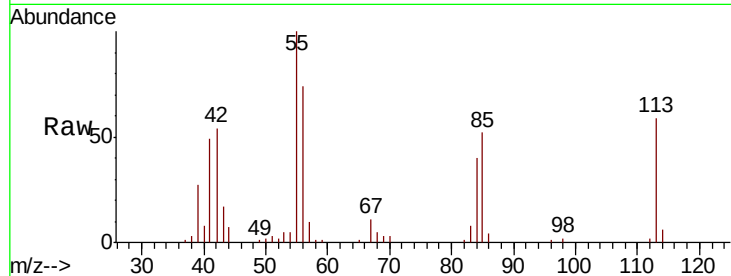
#35
 Caprolactam
 Concen: 9.960 ng
 RT: 8.49 min Scan# 1088
 Delta R.T. -0.04 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
113	100		
55	168.6	133.1	173.1
56	125.3	98.4	138.4

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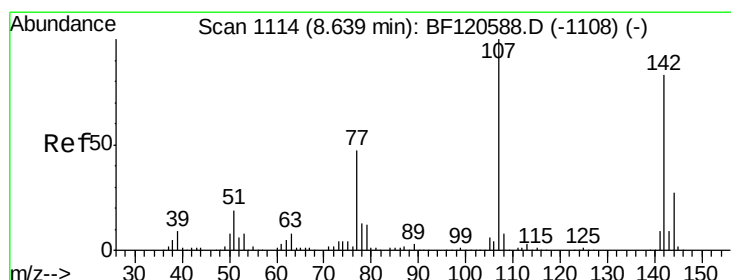
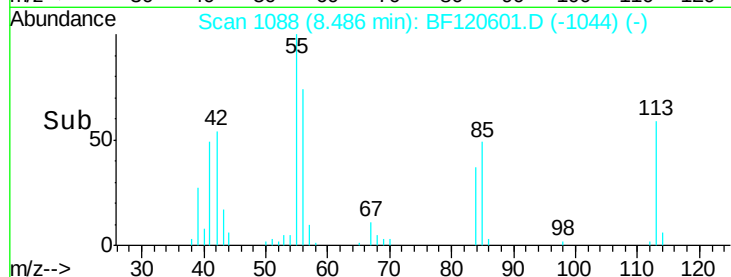
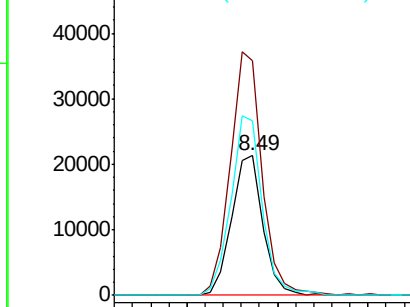


Abundance

Ion 113.00 (112.70 to 113.70): E

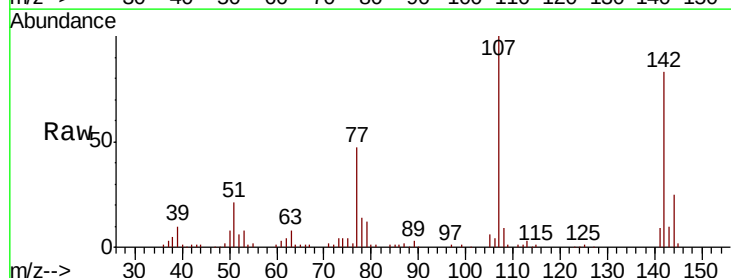
Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36
 4-Chloro-3-methylphenol
 Concen: 9.873 ng
 RT: 8.63 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.0	21.4	32.2
142	82.7	66.3	99.5

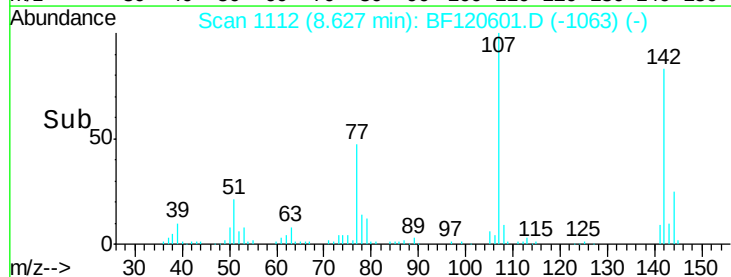
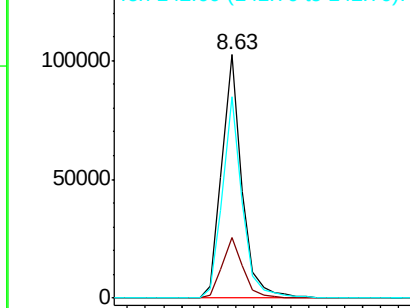


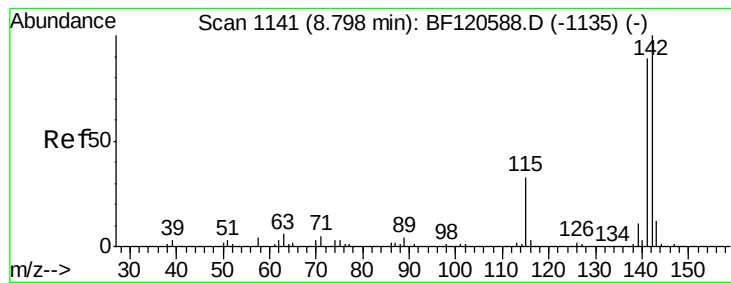
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 10.962 ng

RT: 8.79 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion:142 Resp: 190795

Ion Ratio Lower Upper

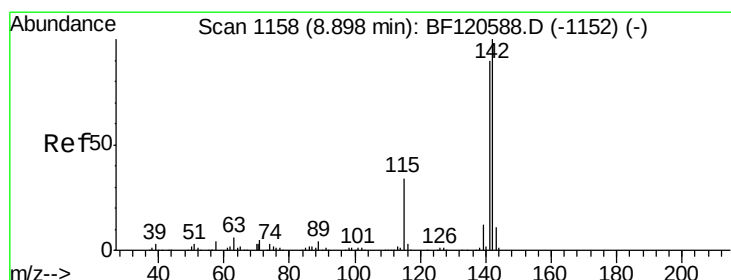
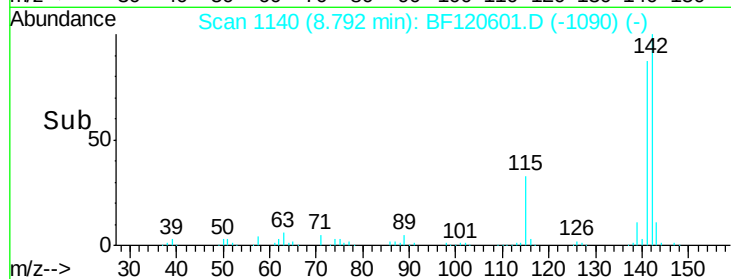
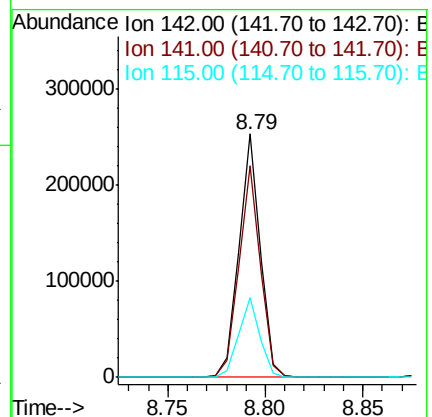
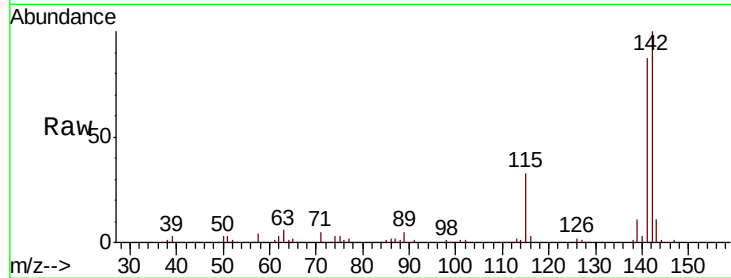
142 100

141 86.8 71.4 107.0

115 33.0 26.1 39.1

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#38

1-Methylnaphthalene

Concen: 10.997 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

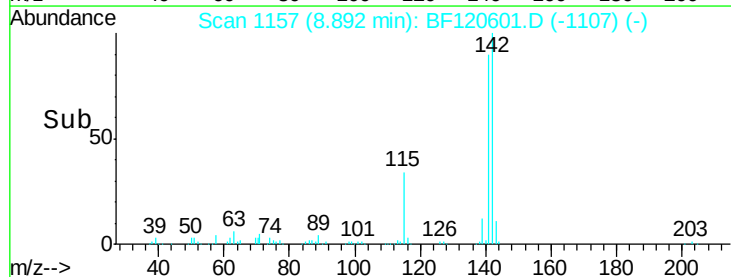
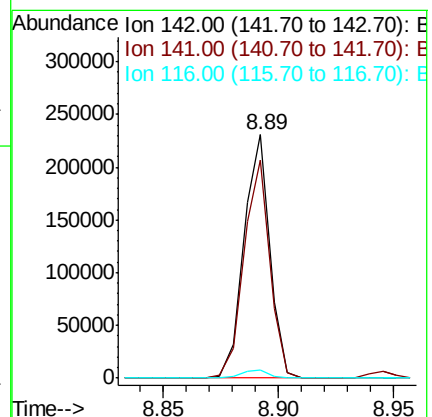
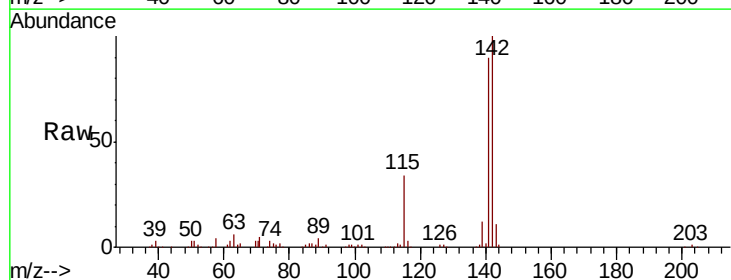
Tgt Ion:142 Resp: 180106

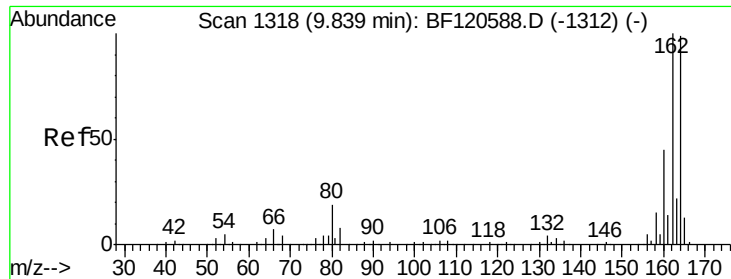
Ion Ratio Lower Upper

142 100

141 89.7 72.1 108.1

116 3.2 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: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

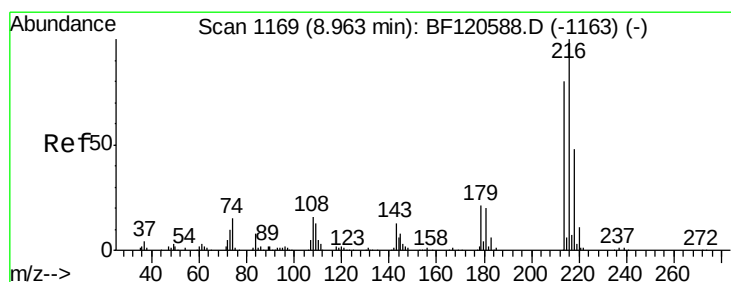
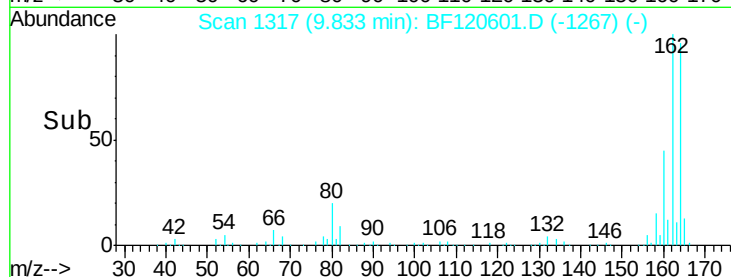
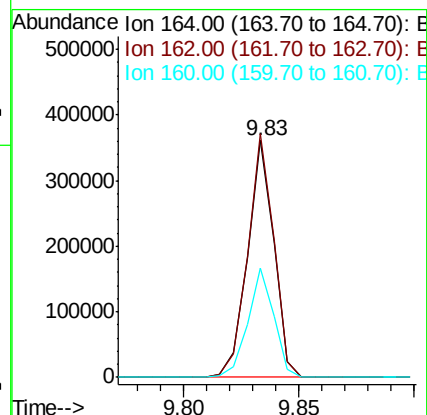
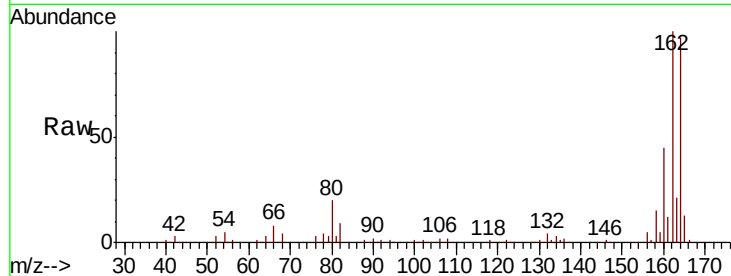
ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion:	164	Resp:	286957
Ion Ratio	Lower	Upper	
164	100		
162	102.7	80.6	120.8
160	46.2	36.2	54.2

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.633 ng

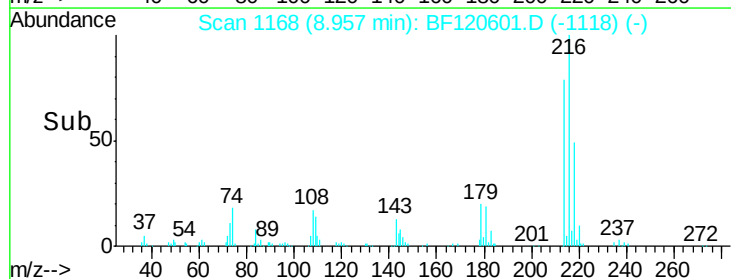
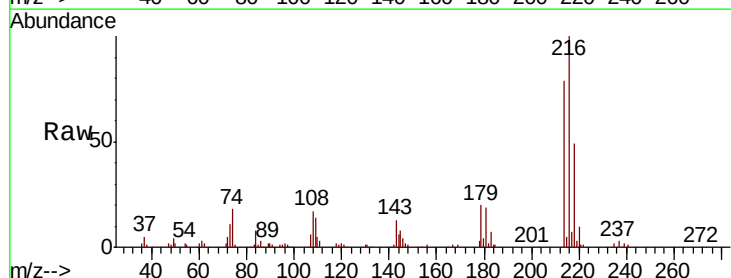
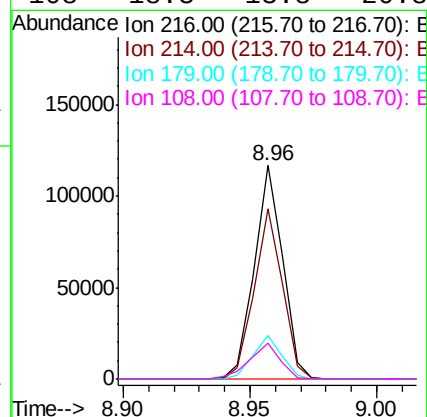
RT: 8.96 min Scan# 1168

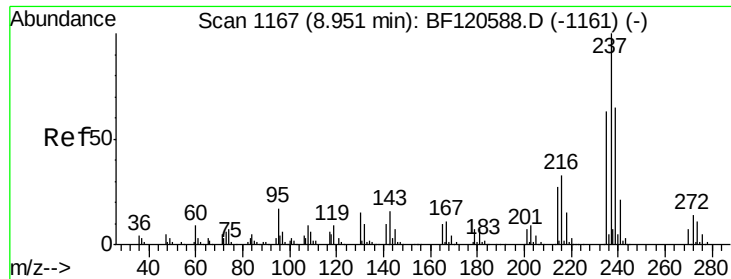
Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Tgt Ion:	216	Resp:	91105
Ion Ratio	Lower	Upper	
216	100		
214	79.5	63.8	95.6
179	20.6	16.4	24.6
108	18.3	13.8	20.8





#41

Hexachlorocyclopentadiene

Concen: 7.938 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

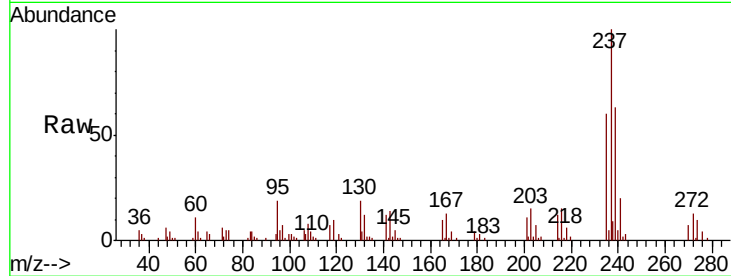
ClientSampleId :

LOQ-SOIL-02-QT1-2020

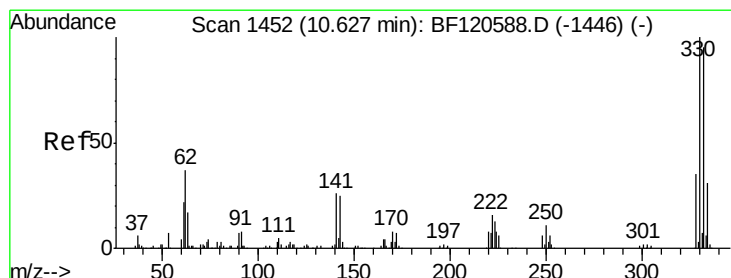
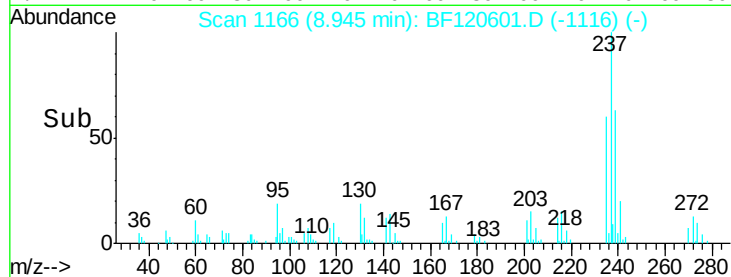
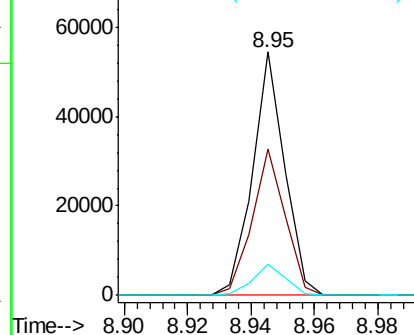
Tot Ion:	237	Resp:	38116
Ion Ratio	Lower	Upper	
237	100		
235	60.2	43.2	83.2
272	12.8	0.0	33.9

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 139.771 ng

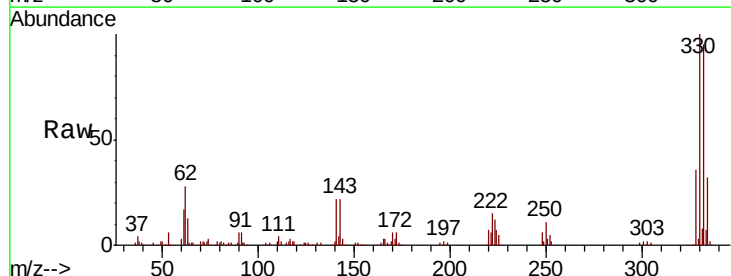
RT: 10.63 min Scan# 1452

Delta R.T. 0.00 min

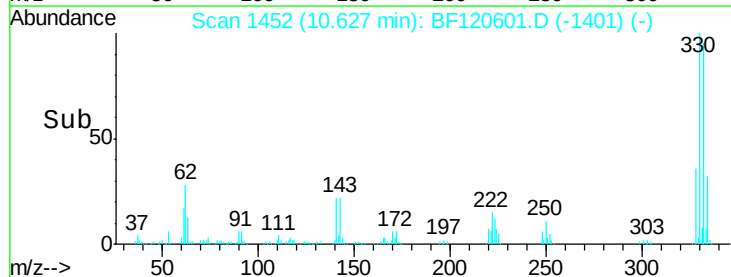
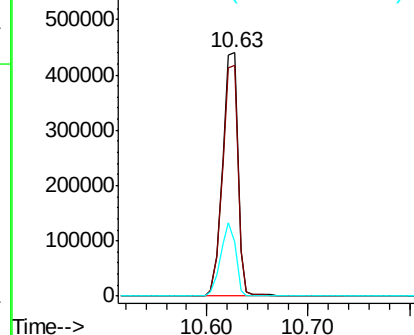
Lab File: BF120601.D

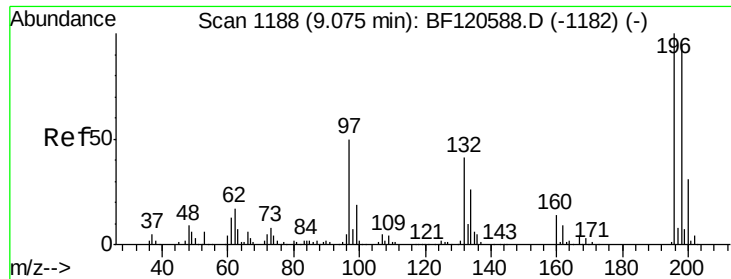
Acq: 11 Jun 2020 14:29

Tgt Ion:	330	Resp:	466314
Ion Ratio	Lower	Upper	
330	100		
332	95.9	76.8	115.2
141	29.4	23.2	34.8



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





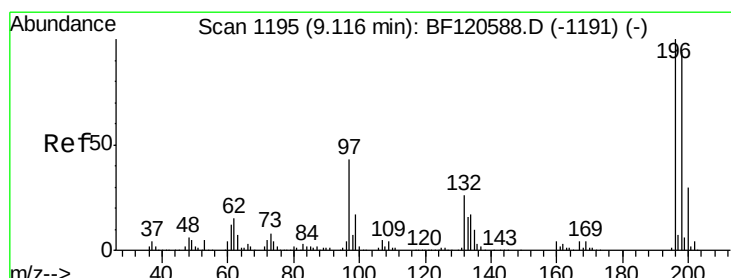
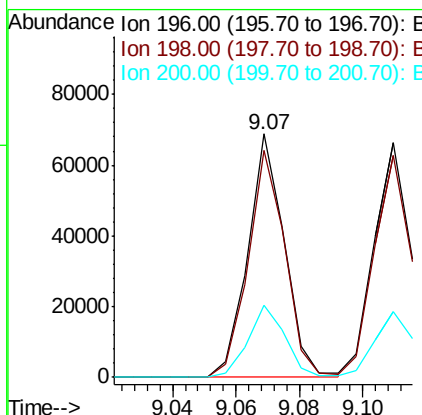
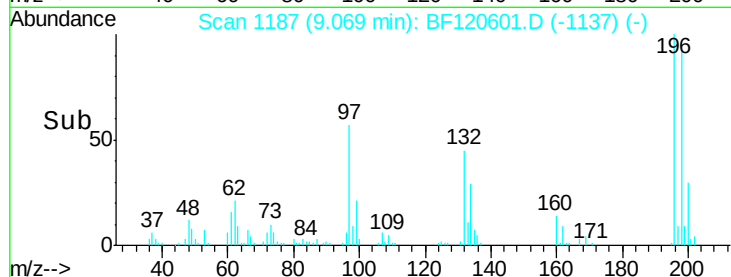
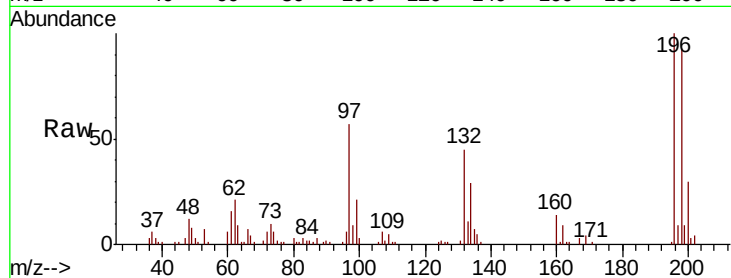
#43
 2,4,6-Trichlorophenol
 Concen: 9.046 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
196	100	54984		
198	93.4	76.2	114.2	
200	29.6	24.6	37.0	

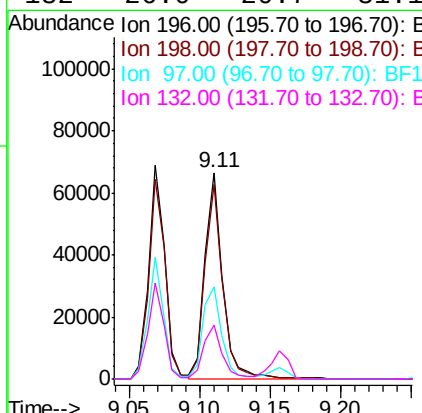
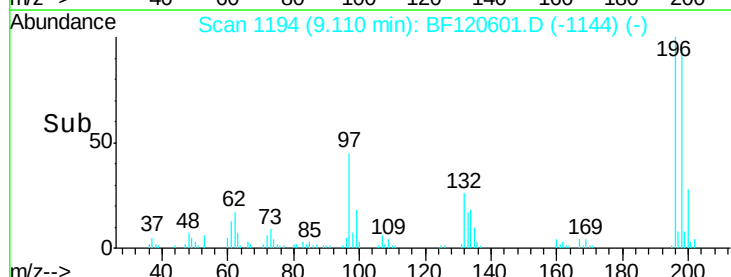
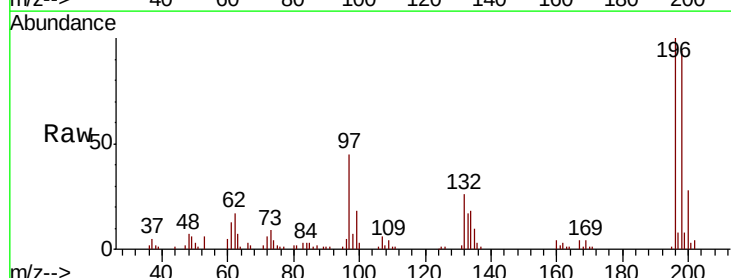
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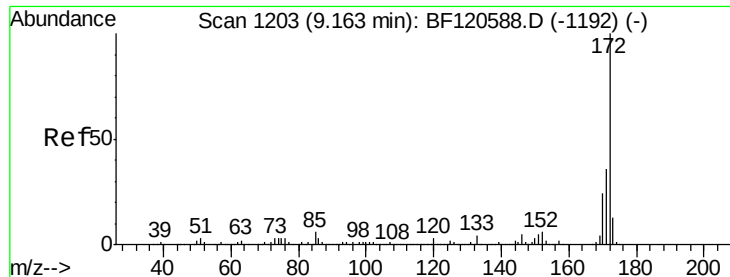
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#44
 2,4,5-Trichlorophenol
 Concen: 8.540 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	58890		
198	94.1	75.5	113.3	
97	44.8	34.4	51.6	
132	26.0	20.7	31.1	





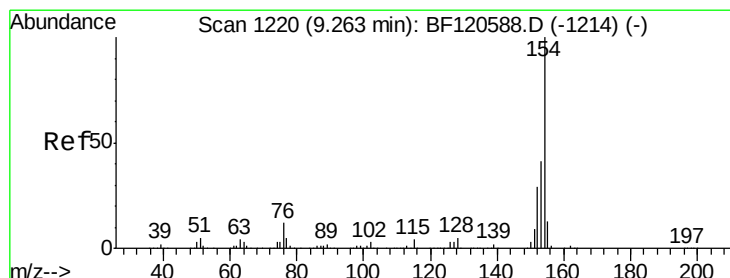
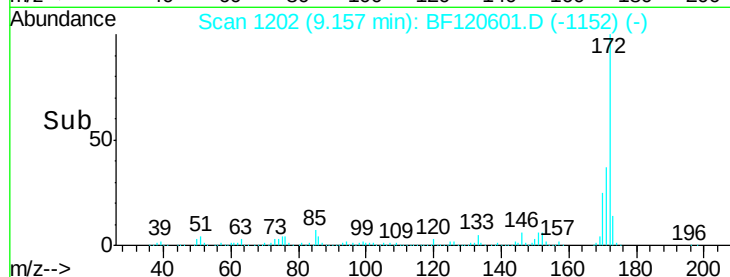
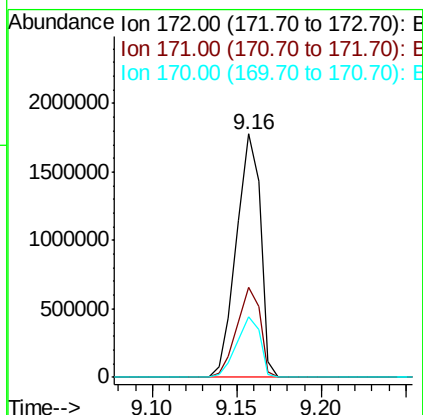
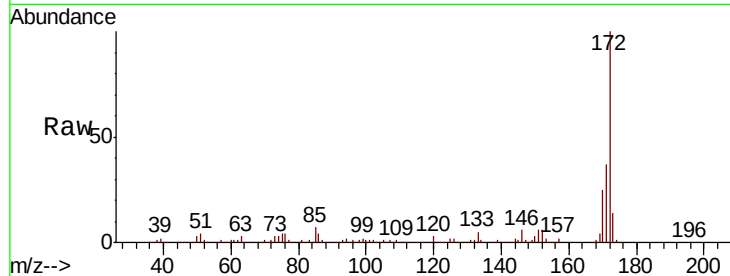
#45
2-Fluorobiphenyl
Concen: 93.991 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.0	43.4
170	25.1	19.4	29.2

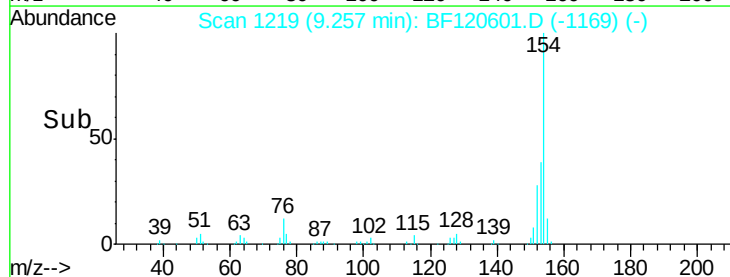
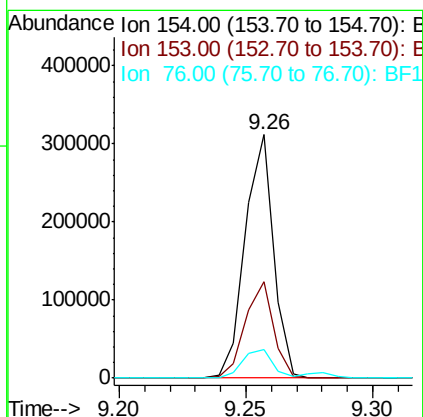
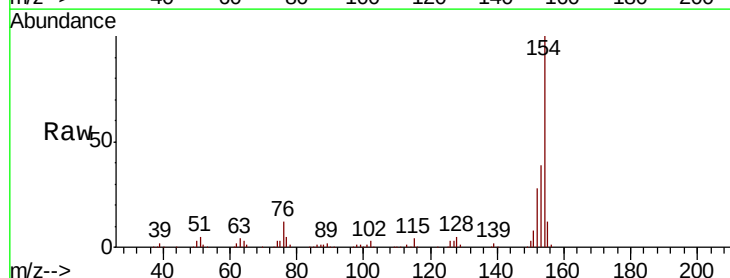
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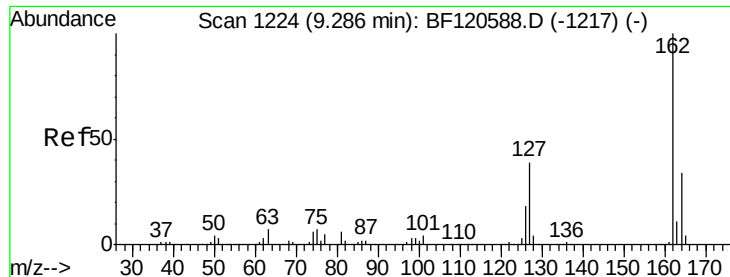
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#46
1,1'-Biphenyl
Concen: 11.360 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.4	21.4	61.4
76	11.5	0.0	31.6





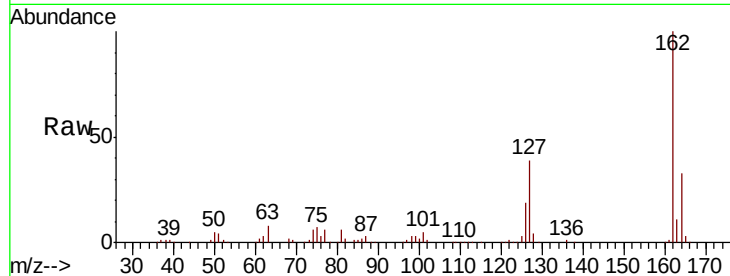
#47
2-Chloronaphthalene
Concen: 10.062 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

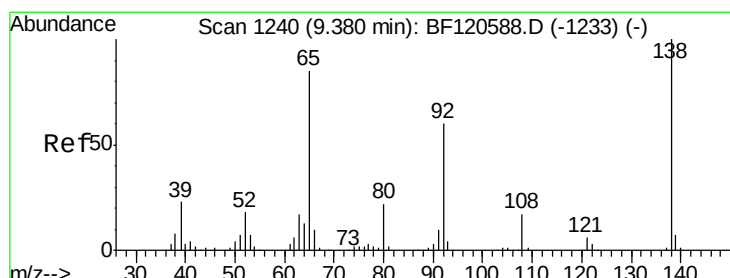
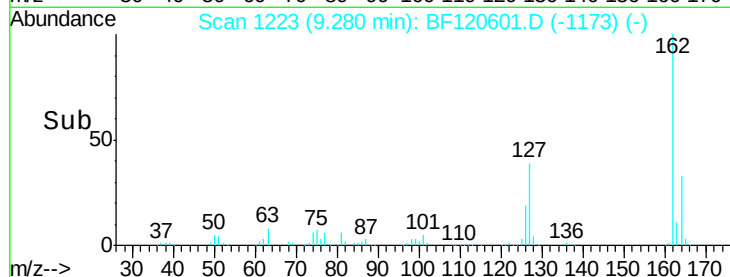
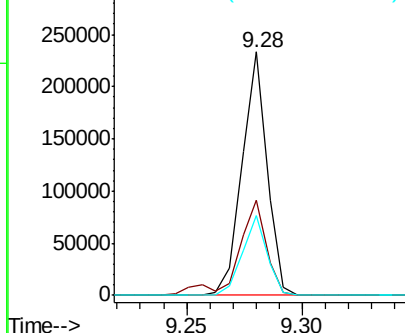
Tot Ion	Ratio	Lower	Upper
162	100		
127	39.3	31.3	46.9
164	32.7	26.9	40.3

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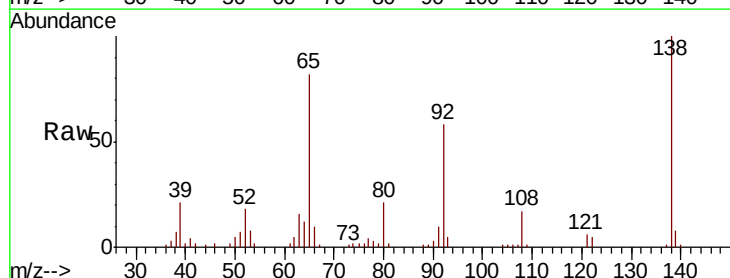


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

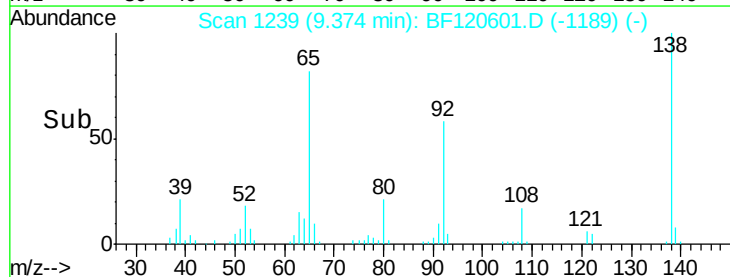
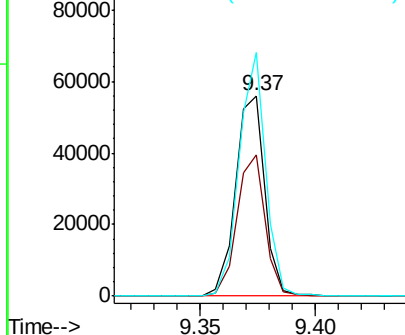


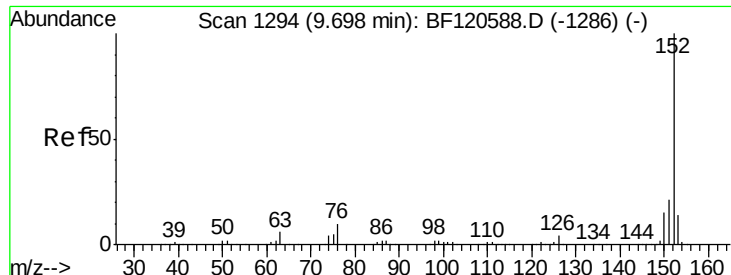
#48
2-Nitroaniline
Concen: 8.973 ng
RT: 9.37 min Scan# 1239
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
65	100		
92	70.6	56.0	84.0
138	121.5	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: 10.461 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

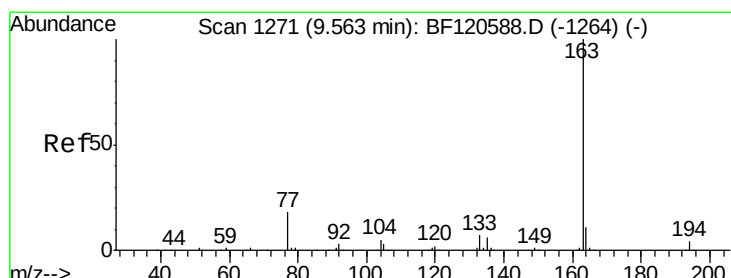
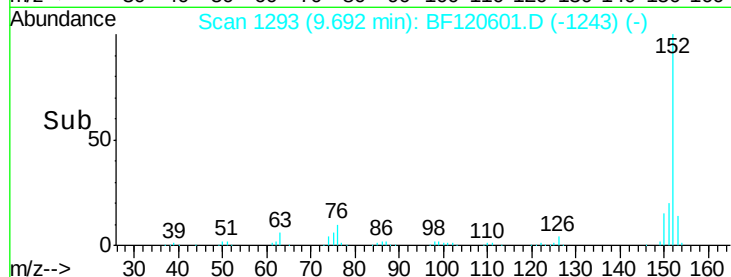
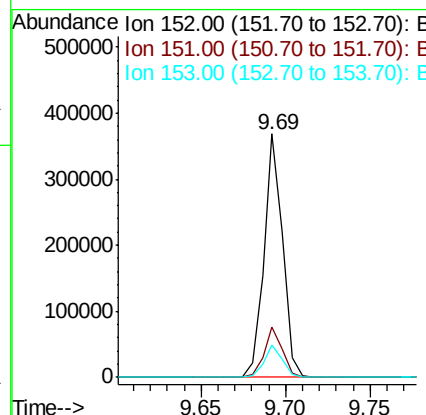
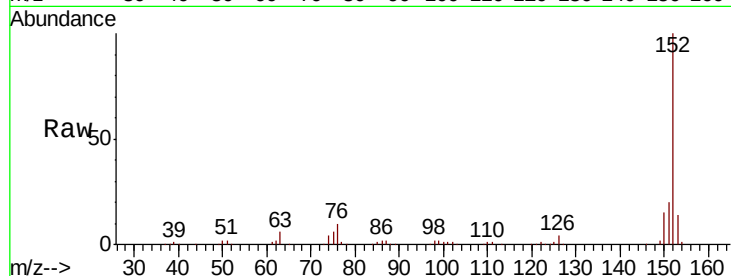
ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion:	152	Resp:	282896
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.6	25.0
153	13.5	11.0	16.6

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#50

Dimethylphthalate

Concen: 9.552 ng

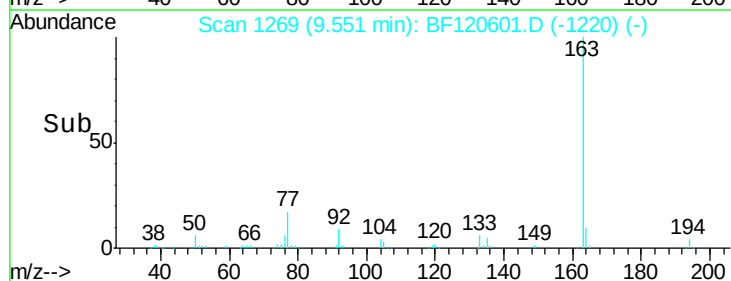
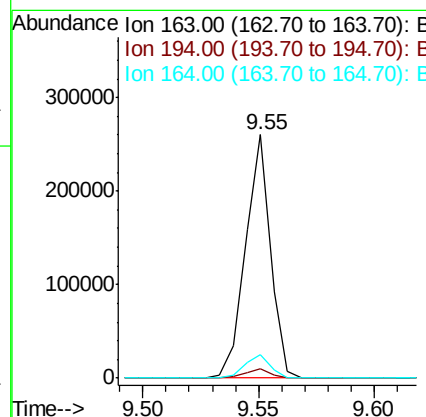
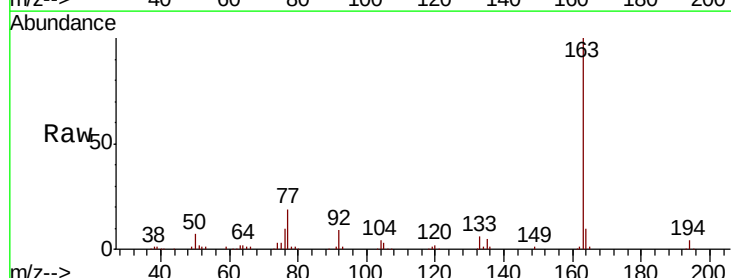
RT: 9.55 min Scan# 1269

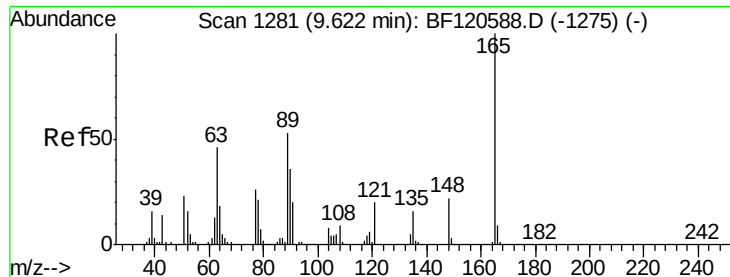
Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Tgt Ion:	163	Resp:	197418
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.1	4.7
164	9.8	8.5	12.7





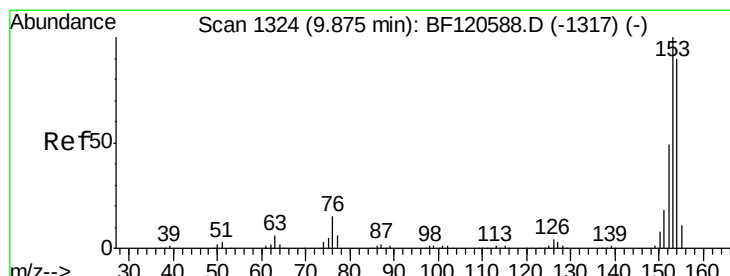
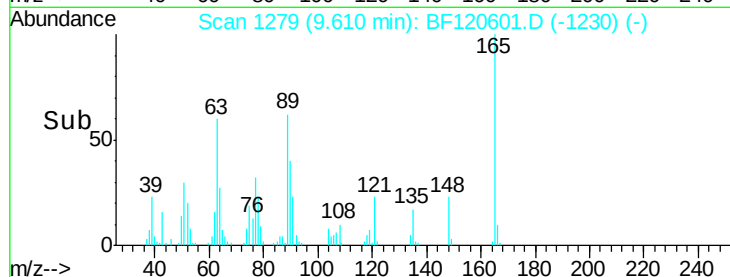
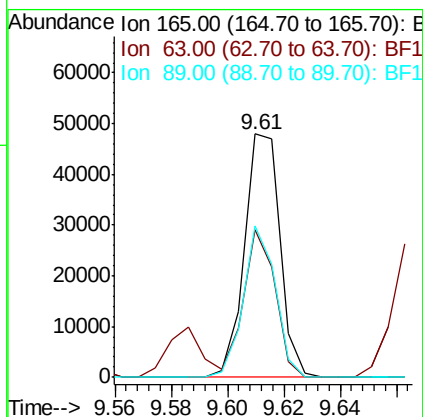
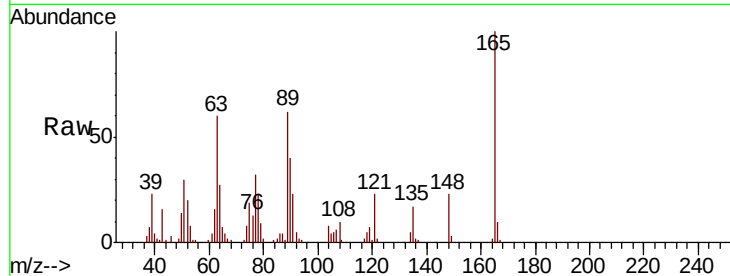
#51
 2,6-Dinitrotoluene
 Concen: 8.960 ng
 RT: 9.61 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

Tot Ion:	165	Resp:	41964
Ion Ratio	Lower	Upper	
165	100		
63	60.4	41.7	62.5
89	62.1	42.6	64.0

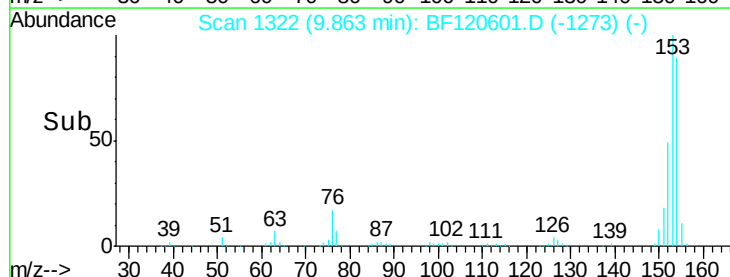
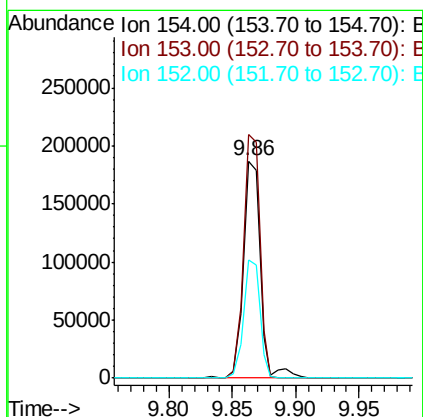
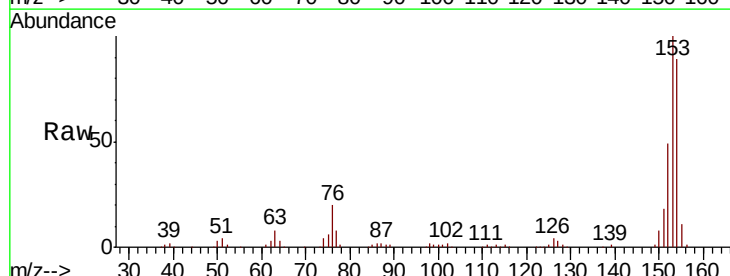
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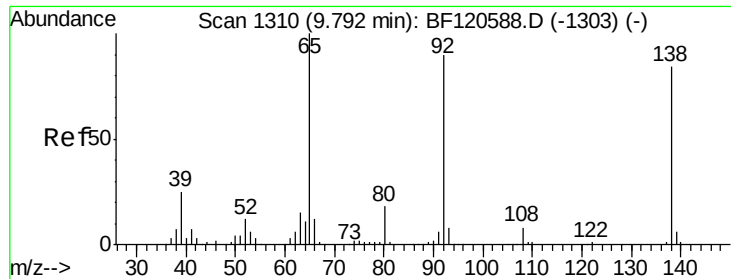
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#52
 Acenaphthene
 Concen: 10.703 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Tgt Ion:	154	Resp:	172624
Ion Ratio	Lower	Upper	
154	100		
153	112.3	89.1	133.7
152	54.8	43.7	65.5





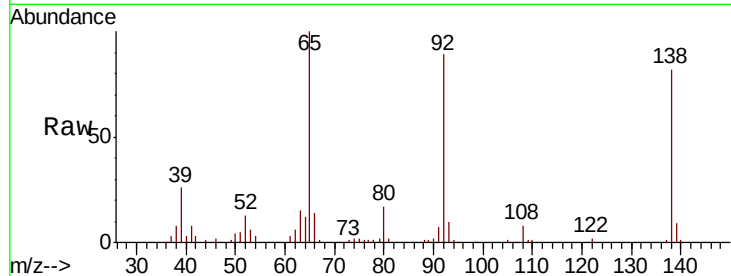
#53
3-Nitroaniline
Concen: 8.173 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

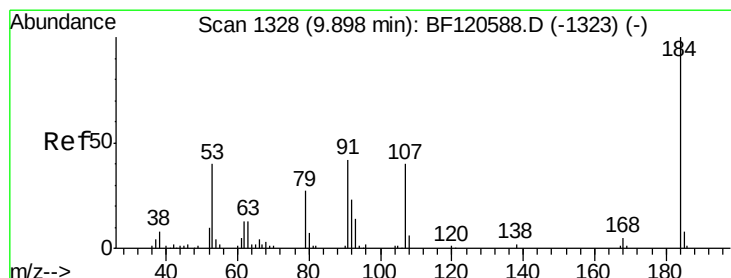
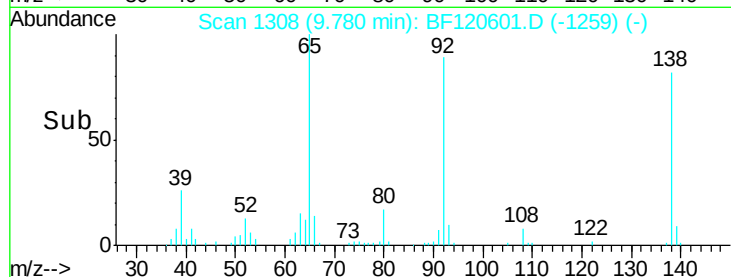
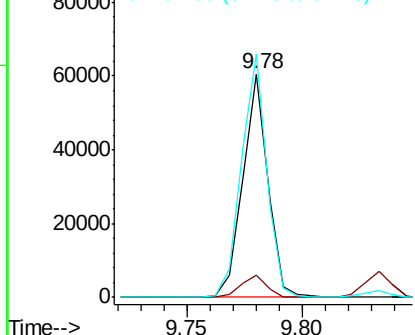
Tot Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.0	12.0
92	108.8	86.0	129.0

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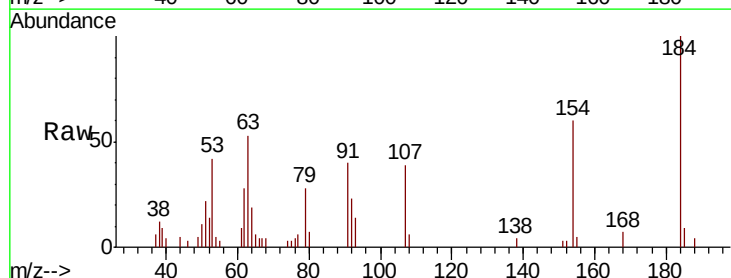


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

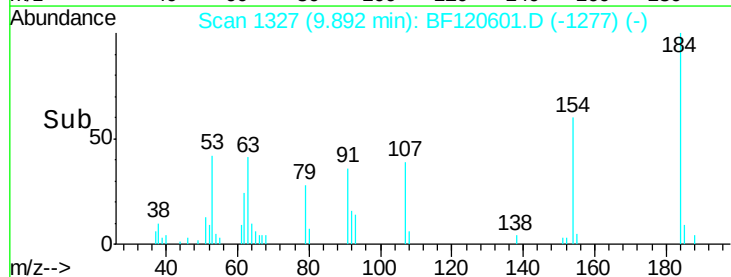
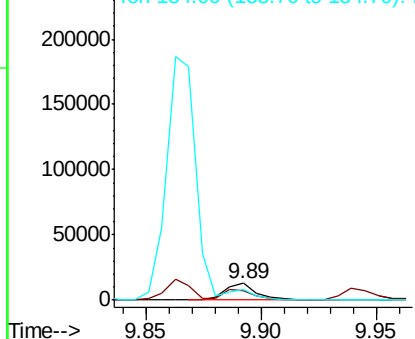


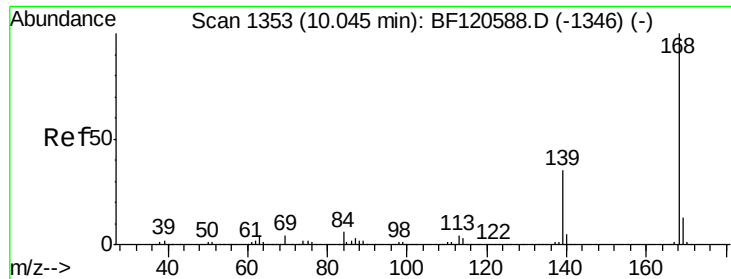
#54
2,4-Dinitrophenol
Concen: 4.984 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
184	100		
63	52.8	44.2	66.2
154	59.6	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





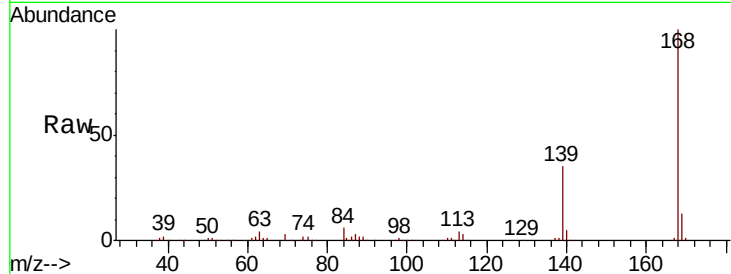
#55
Dibenzenofuran
Concen: 10.502 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
168	100	259709		
139	34.8		28.1	42.1
169	13.2		10.6	16.0

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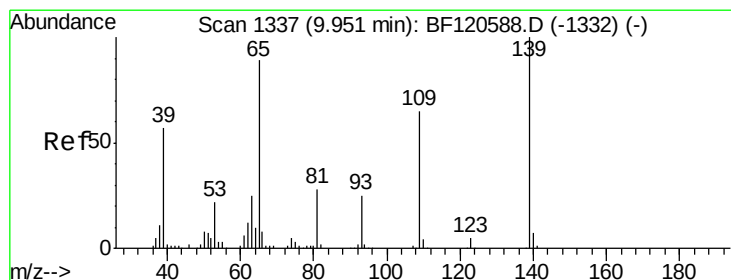
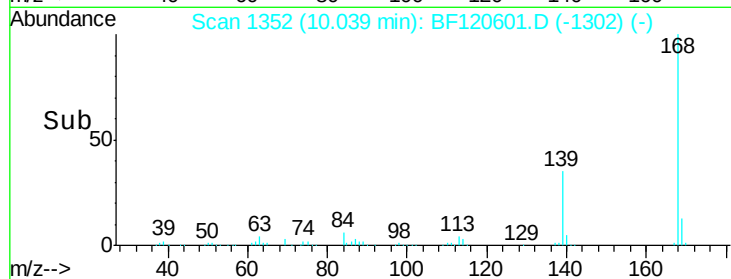
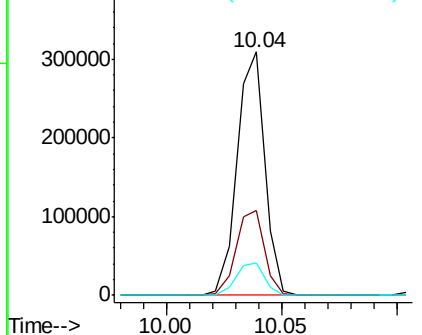


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 7.539 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

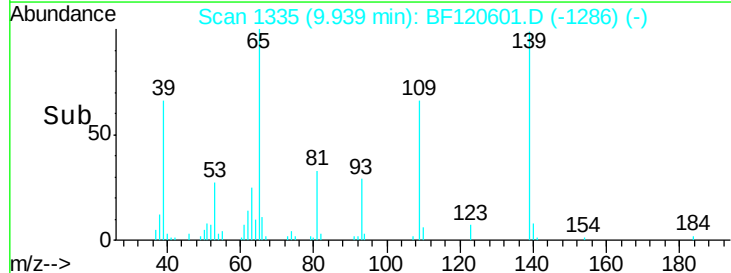
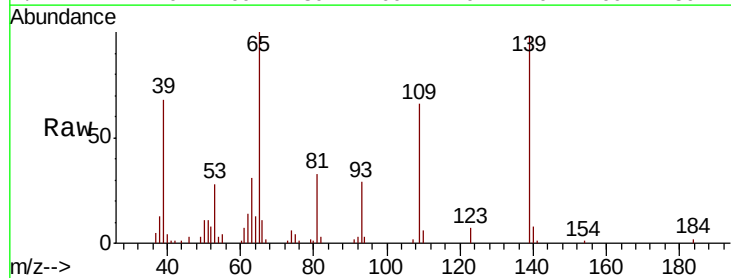
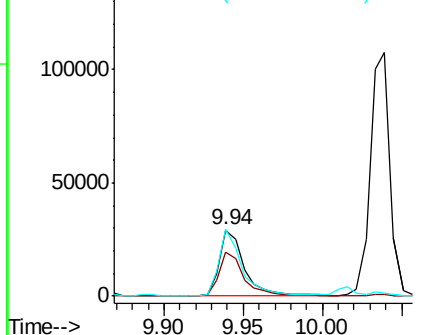
Tgt Ion	Ratio	Resp	Lower	Upper
139	100	31940		
109	67.4		44.6	84.6
65	102.6		69.2	109.2

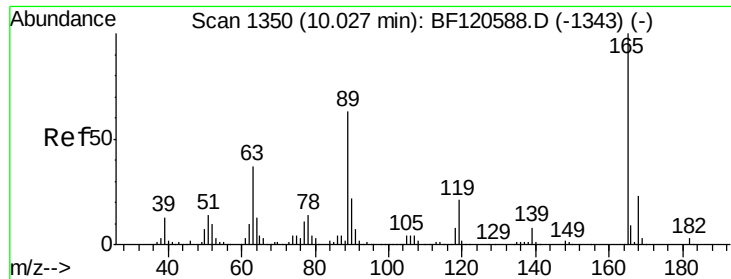
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





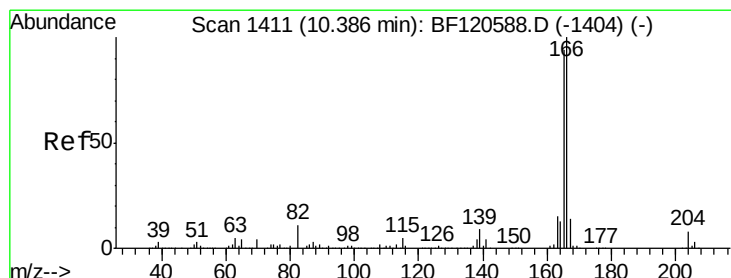
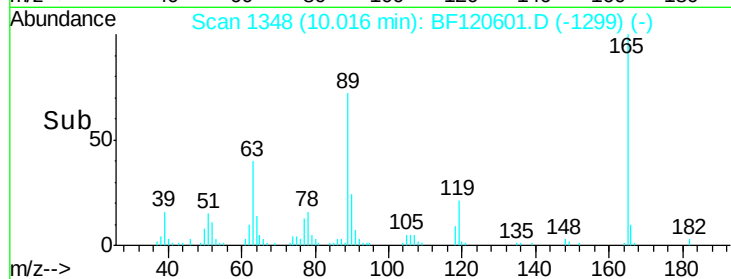
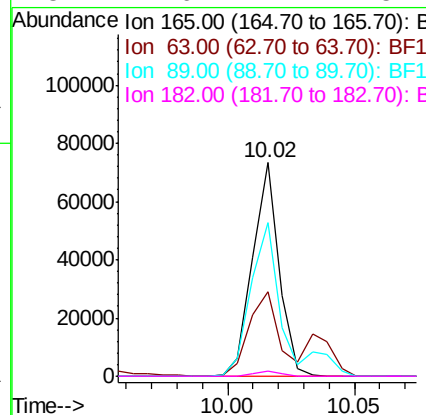
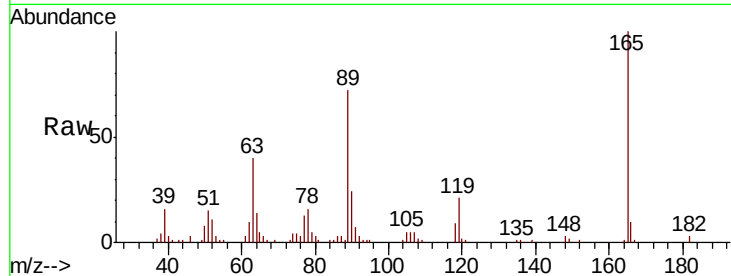
#57
 2,4-Dinitrotoluene
 Concen: 8.635 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
165	100		
63	39.6	29.8	44.8
89	71.9	50.4	75.6
182	2.6	2.1	3.1

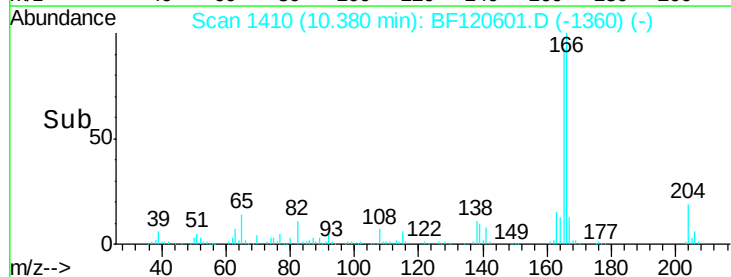
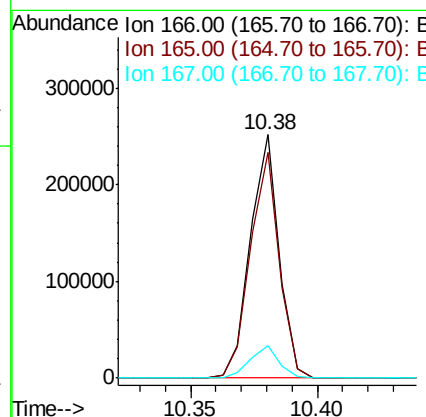
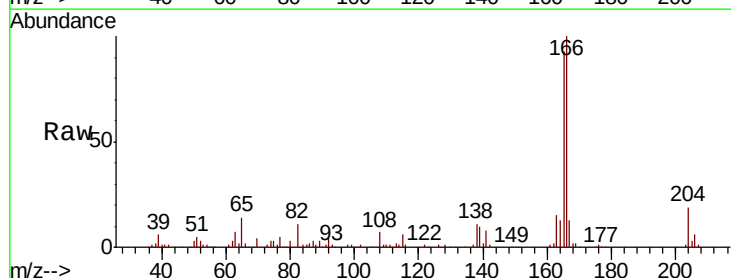
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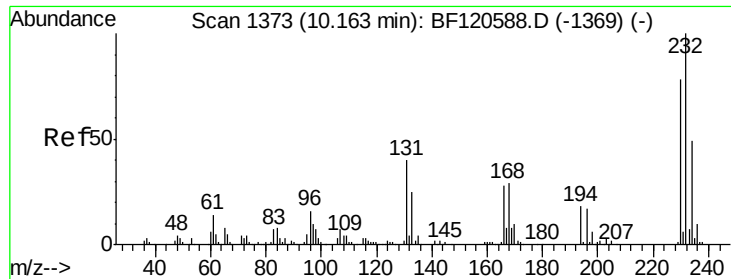
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#58
 Fluorene
 Concen: 10.383 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.8	75.0	112.6
167	13.5	11.0	16.4





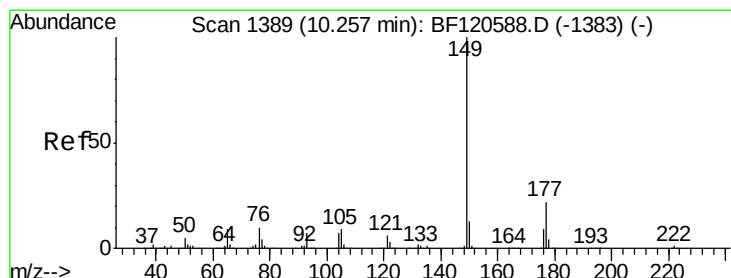
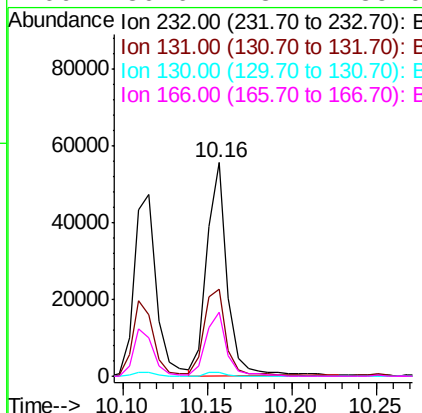
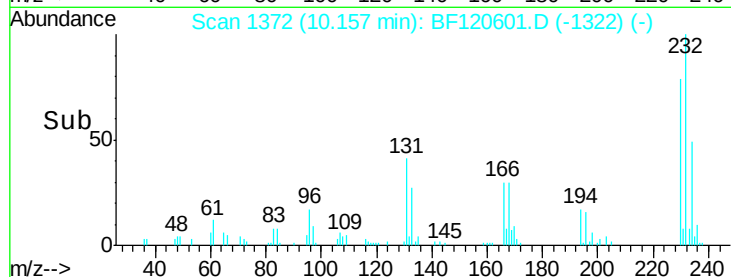
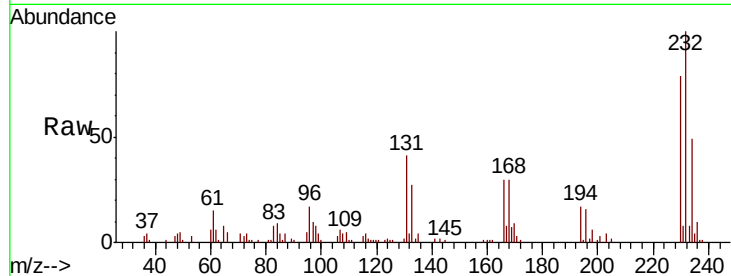
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 8.583 ng
 RT: 10.16 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

Tot Ion:	232	Resp:	46563
Ion Ratio	Lower	Upper	
232	100		
131	45.3	33.5	50.3
130	1.9	1.5	2.3
166	30.6	23.4	35.0

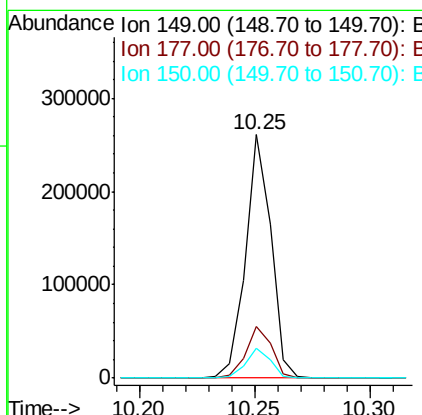
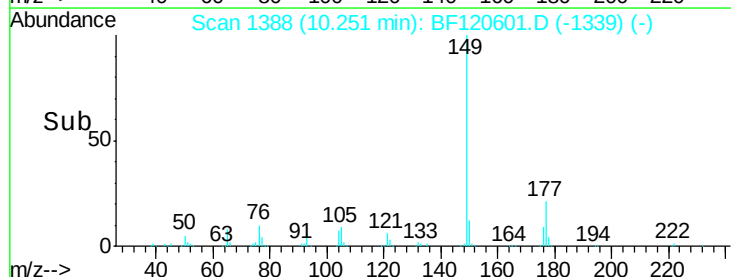
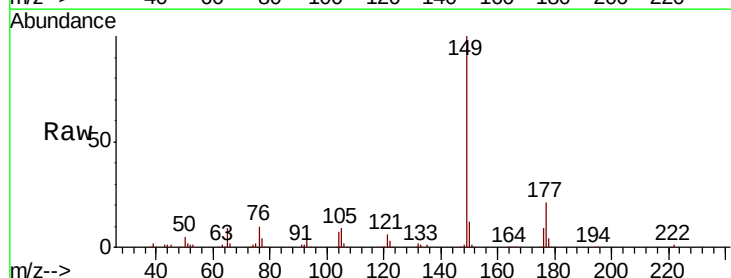
Manual Integrations
 APPROVED

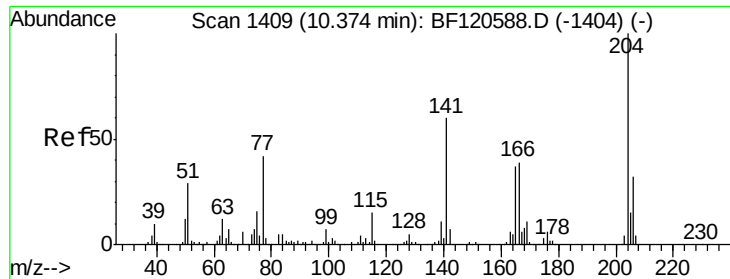
mohammad
 6/15/2020 8:42:49 AM



#60
 Diethylphthalate
 Concen: 9.897 ng
 RT: 10.25 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Tgt Ion:	149	Resp:	201456
Ion Ratio	Lower	Upper	
149	100		
177	21.1	17.3	25.9
150	12.4	10.3	15.5





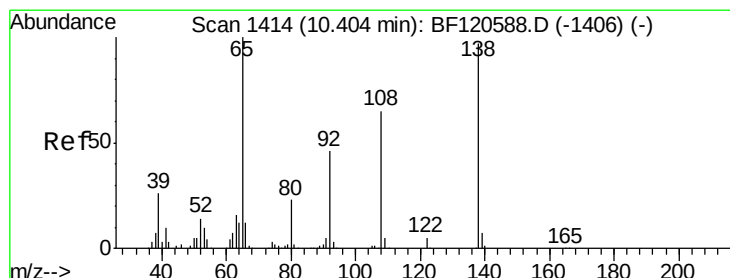
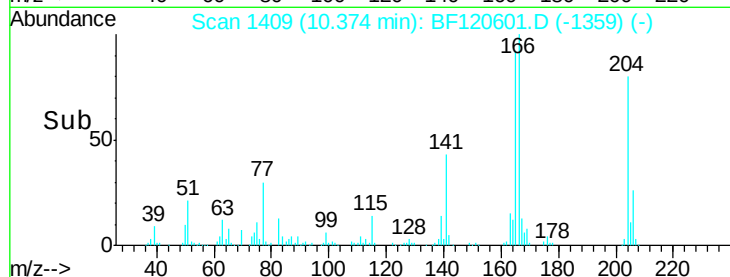
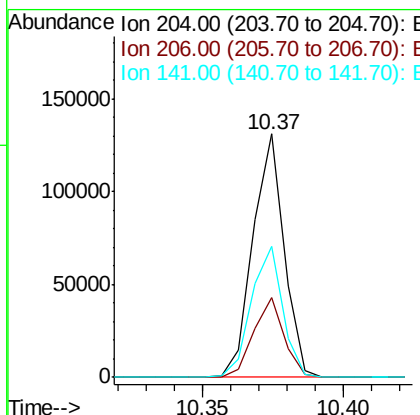
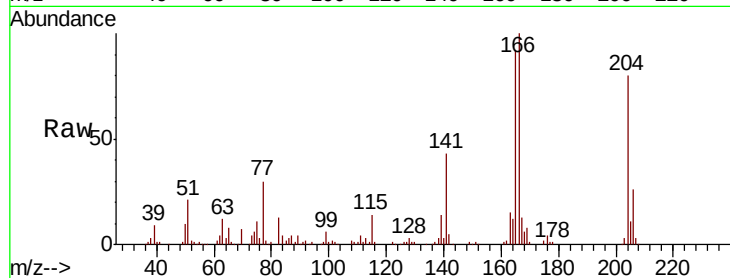
#61
4-Chlorophenyl-phenylether
Concen: 10.204 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.9	38.9
141	54.0	47.6	71.4

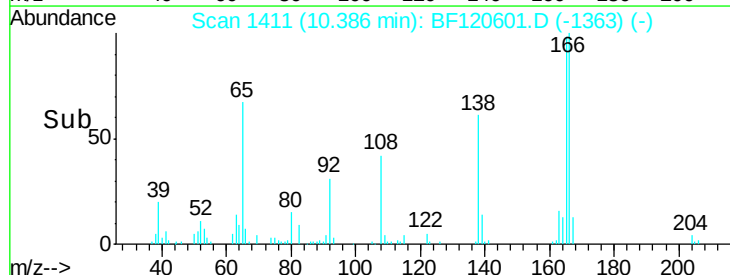
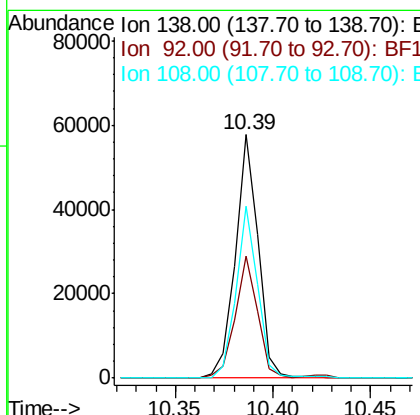
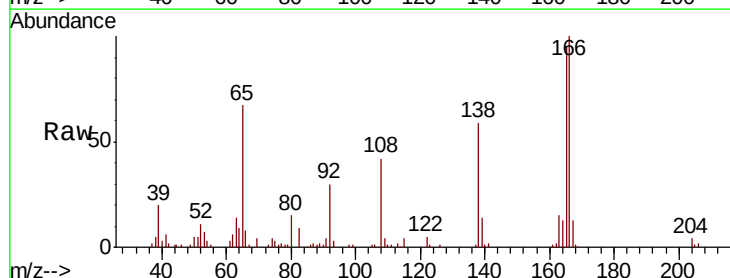
Manual Integrations
APPROVED

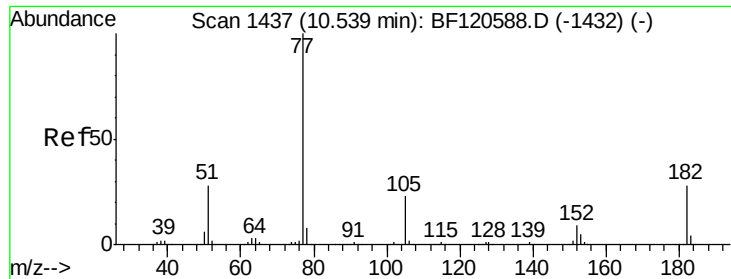
mohammad
6/15/2020 8:42:49 AM



#62
4-Nitroaniline
Concen: 8.386 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.02 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.2	27.3	67.3
108	70.5	47.4	87.4





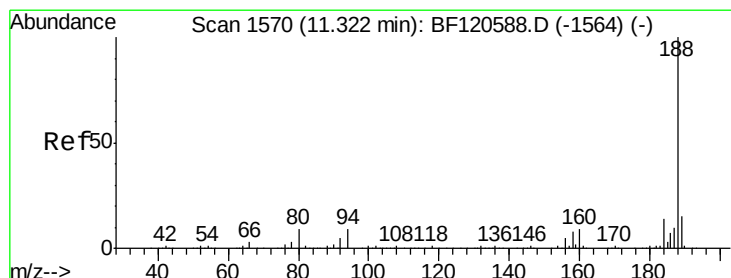
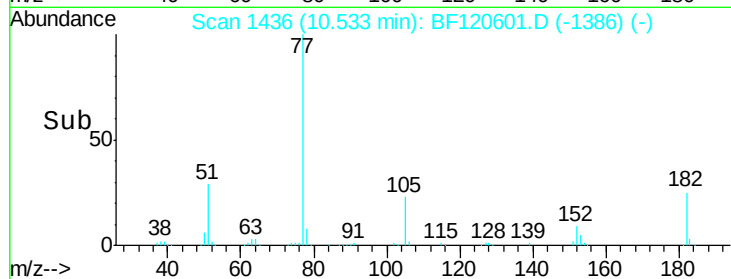
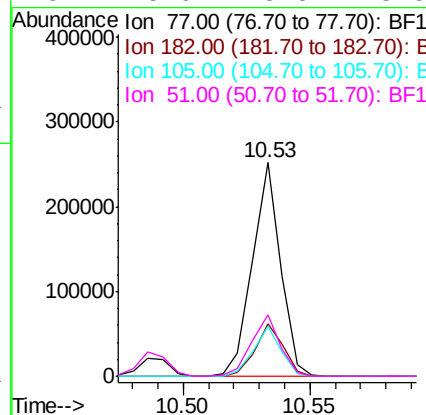
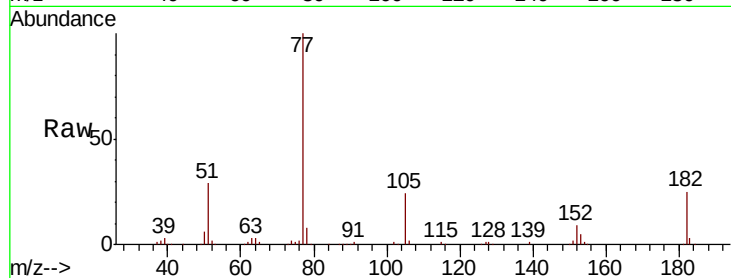
#63
Azobenzene
Concen: 10.529 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
77	100		
182	24.7	7.7	47.7
105	23.6	3.2	43.2
51	28.9	8.5	48.5

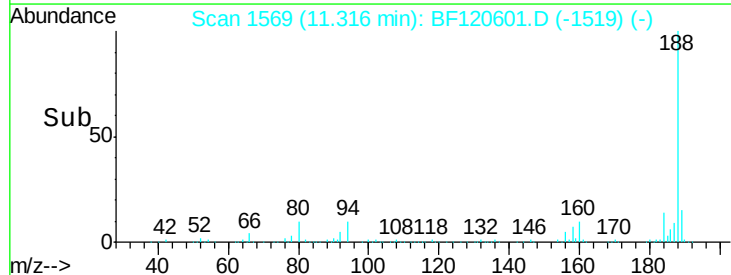
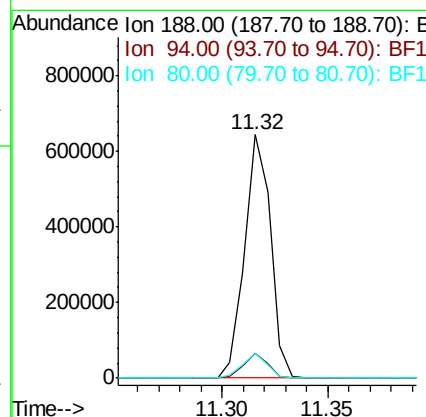
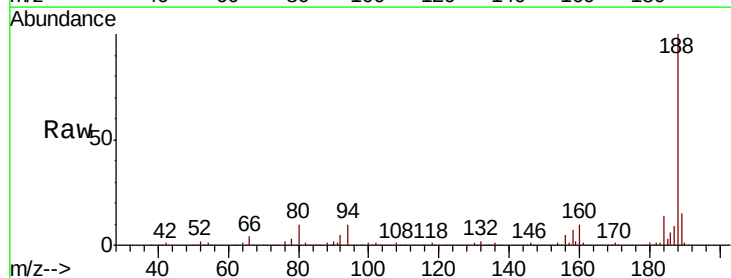
Manual Integrations
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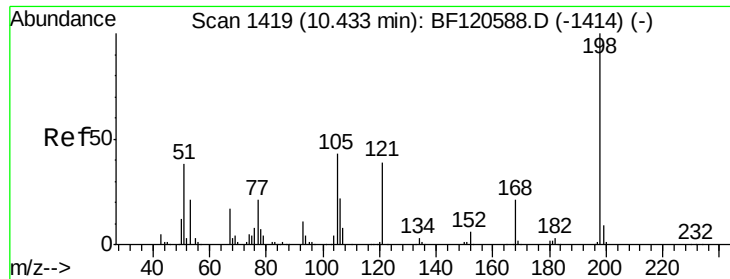
mohammad
6/15/2020 8:42:49 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.2	10.8
80	10.1	7.4	11.2





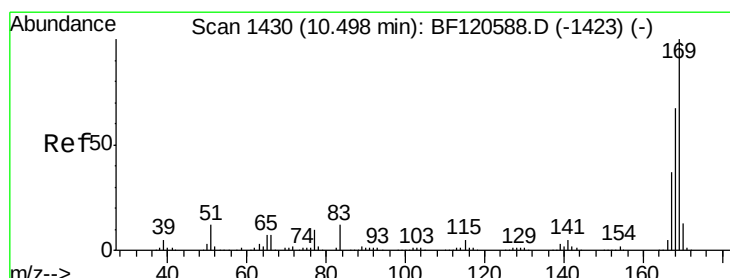
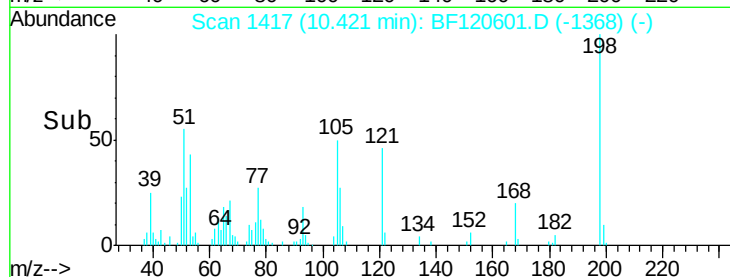
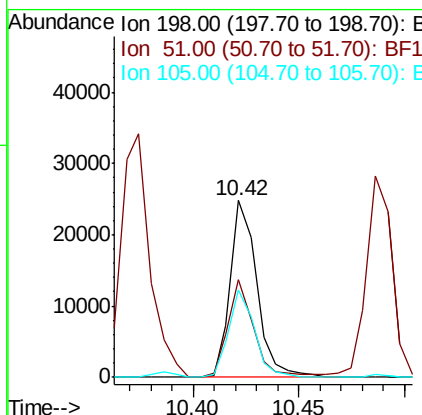
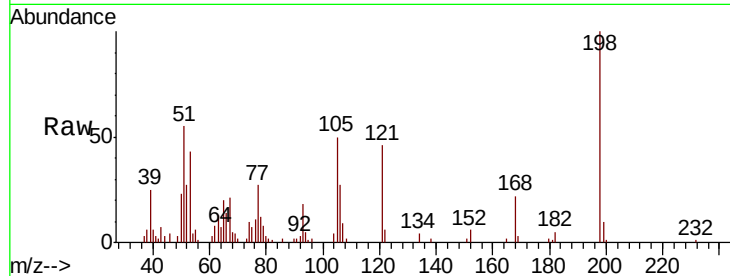
#65
4,6-Dinitro-2-methylphenol
Concen: 6.589 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
198	100		
51	55.1	24.8	64.8
105	49.8	23.9	63.9

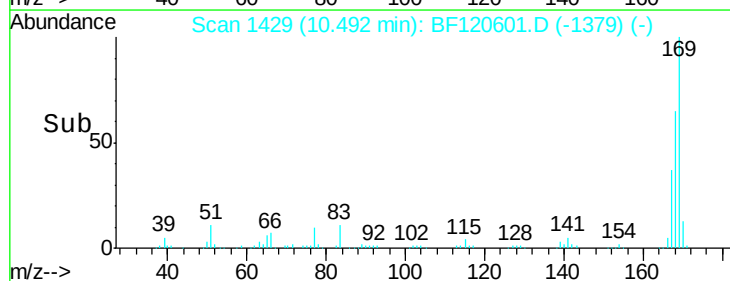
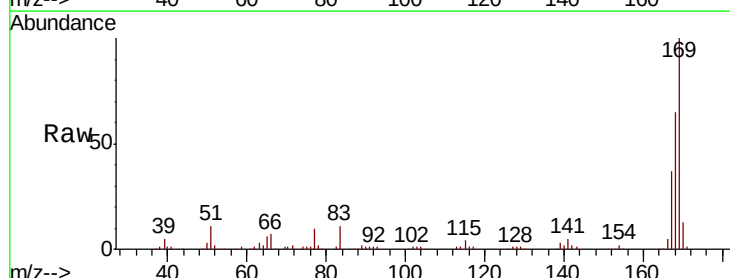
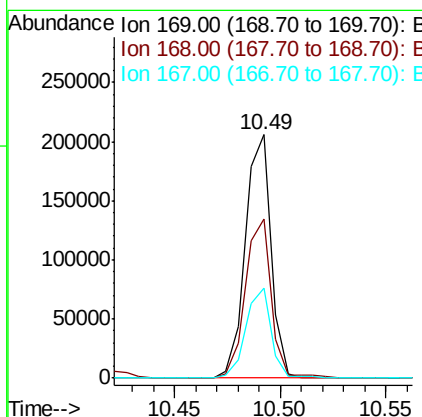
Manual Integrations
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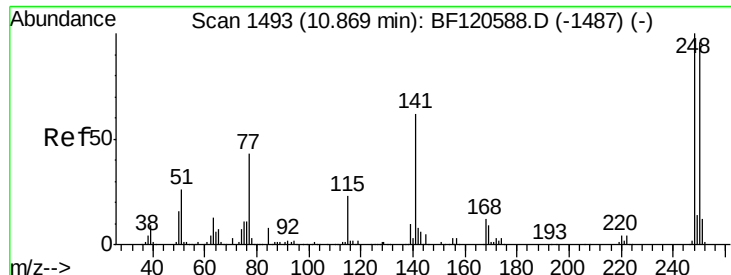
mohammad
6/15/2020 8:42:49 AM



#66
n-Nitrosodiphenylamine
Concen: 10.334 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
169	100		
168	65.1	53.7	80.5
167	36.9	29.9	44.9





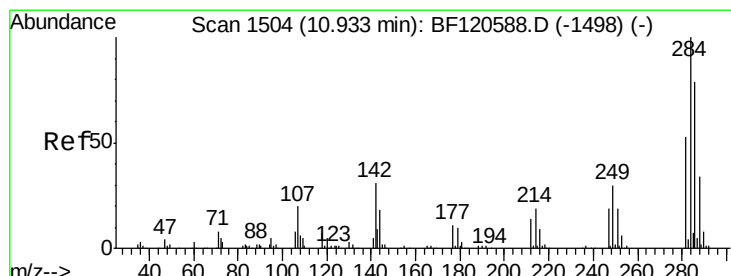
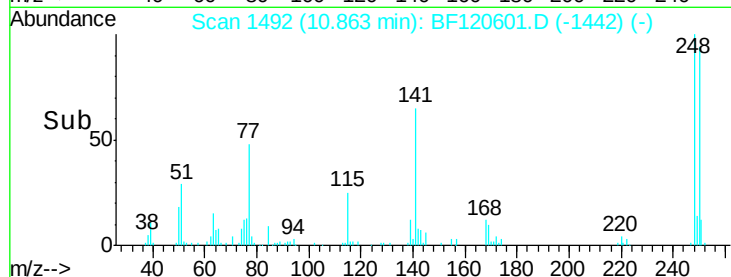
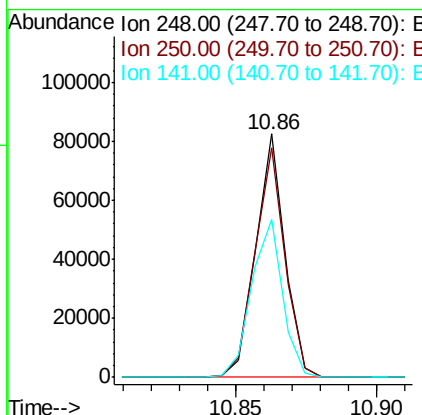
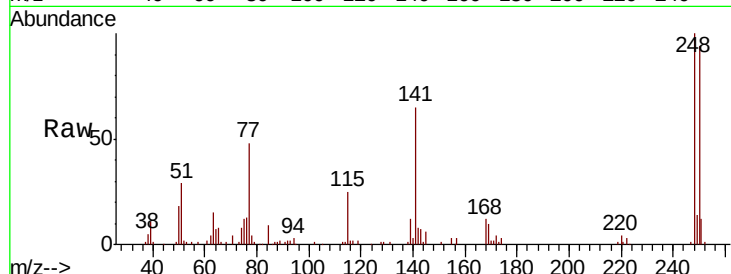
#67
4-Bromophenyl-phenylether
Concen: 9.480 ng
RT: 10.86 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
248	100		
250	94.5	76.7	115.1
141	64.9	49.4	74.0

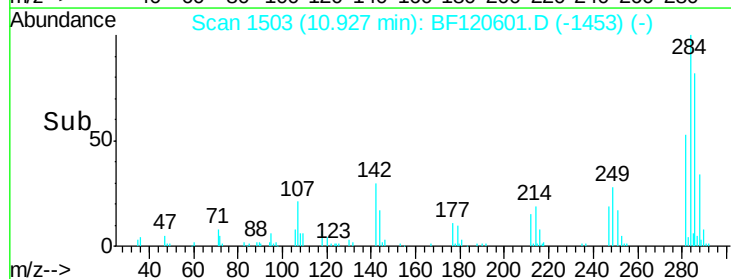
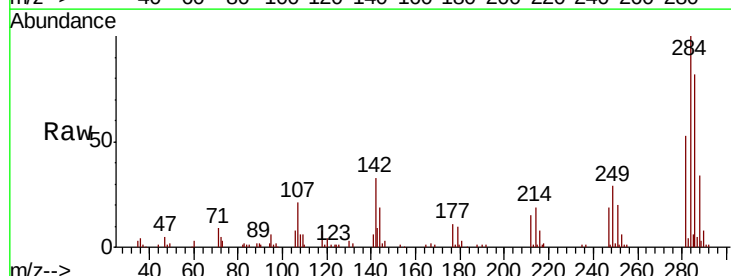
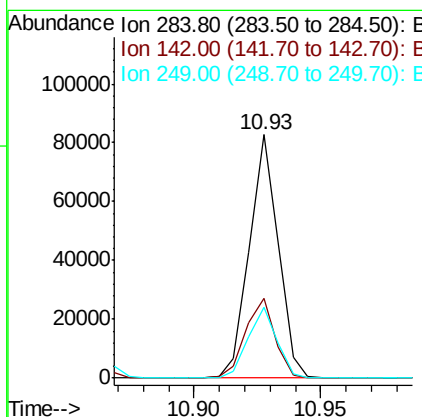
Manual Integrations
APPROVED

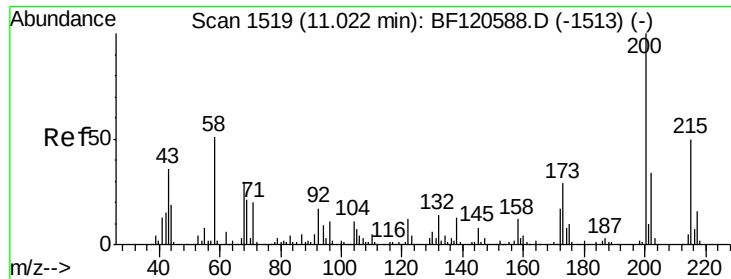
mohammad
6/15/2020 8:42:49 AM



#68
Hexachlorobenzene
Concen: 9.885 ng
RT: 10.93 min Scan# 1503
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.8	25.1	37.7
249	29.2	24.0	36.0





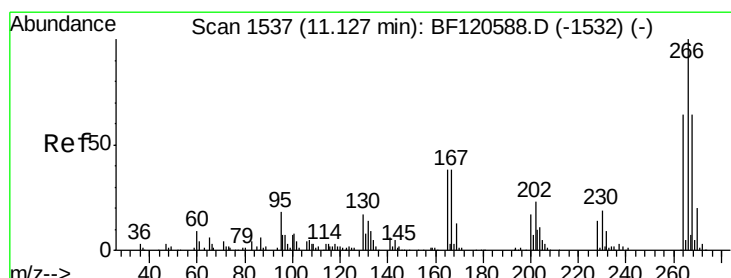
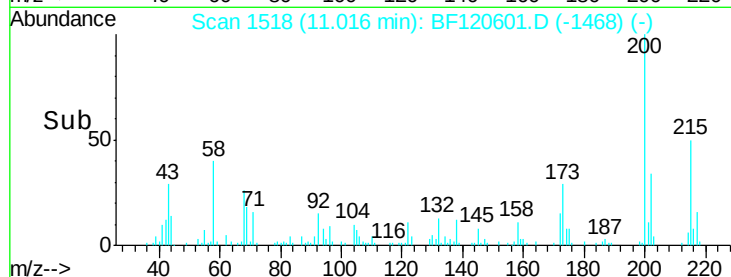
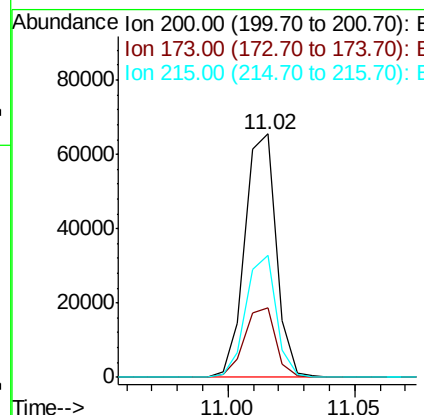
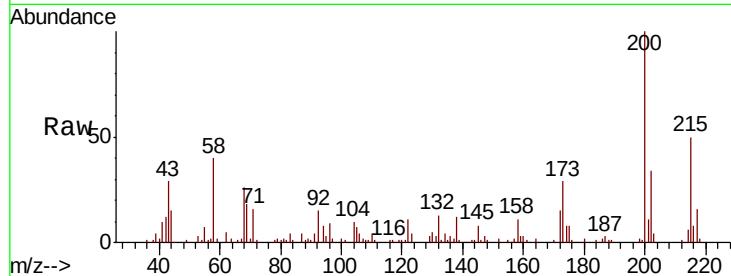
#69
Atrazine
Concen: 10.869 ng
RT: 11.02 min Scan# 1518
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.8	9.1	49.1
215	50.3	29.8	69.8

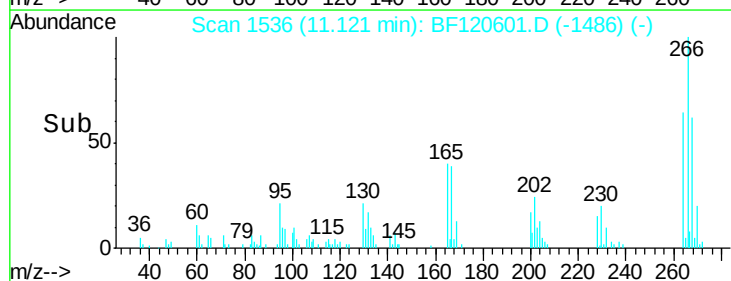
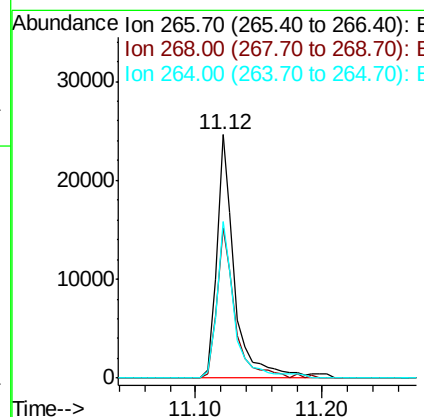
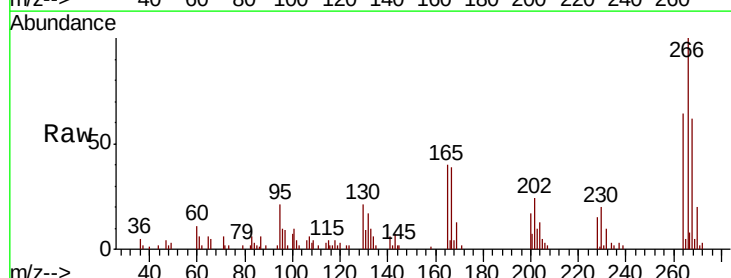
Manual Integrations
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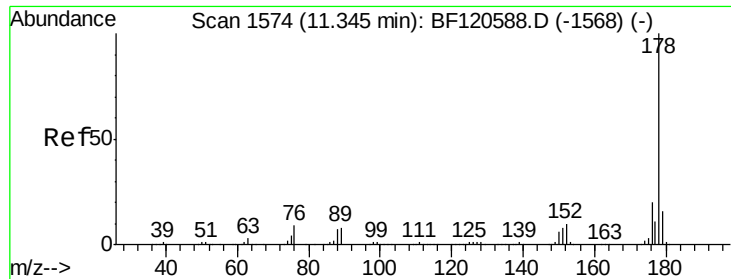
mohammad
6/15/2020 8:42:49 AM



#70
Pentachlorophenol
Concen: 6.633 ng
RT: 11.12 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
266	100		
268	61.8	51.4	77.0
264	64.4	50.8	76.2





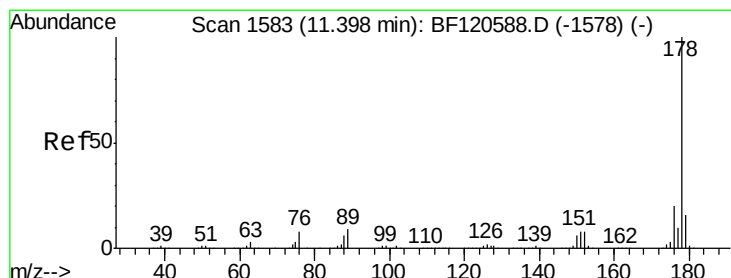
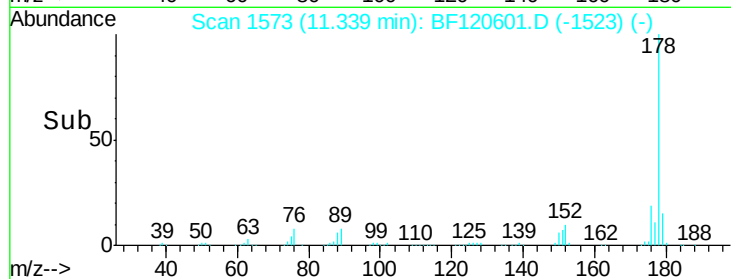
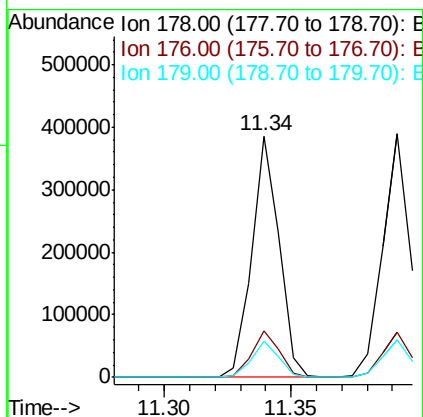
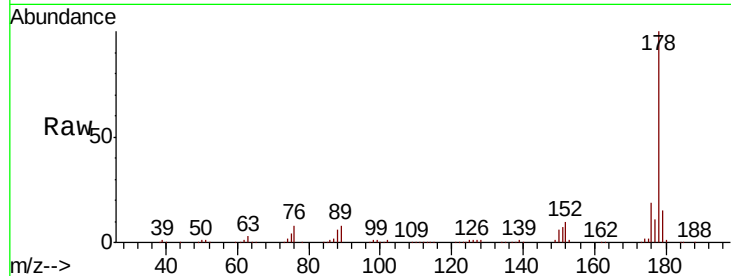
#71
Phenanthrene
Concen: 10.651 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.9	23.9
179	15.1	12.8	19.2

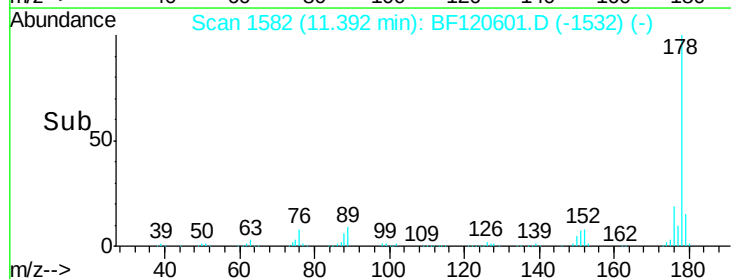
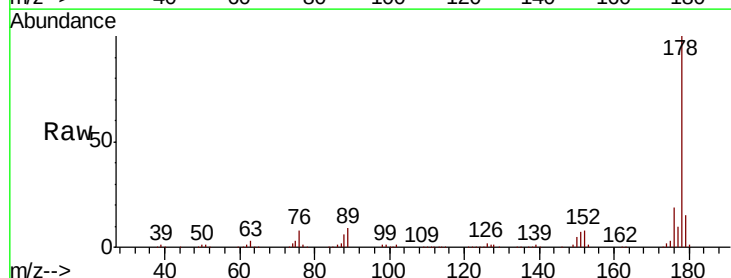
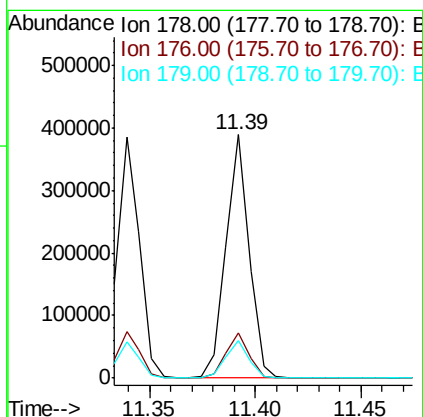
Manual Integrations
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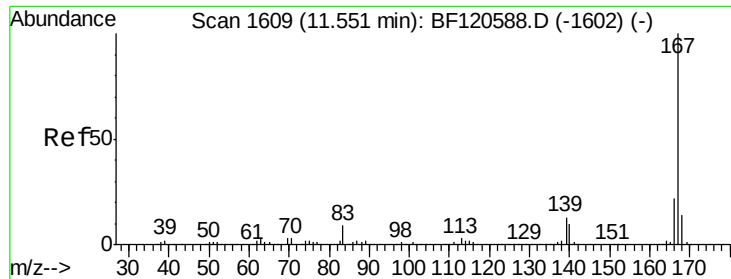
mohammad
6/15/2020 8:42:49 AM



#72
Anthracene
Concen: 10.711 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.6	23.4
179	15.3	12.9	19.3





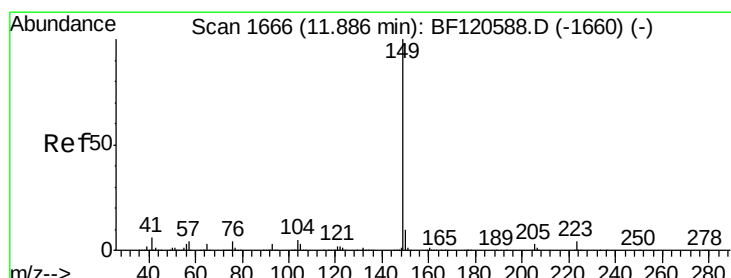
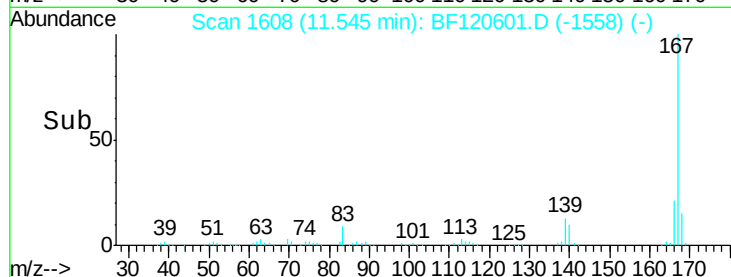
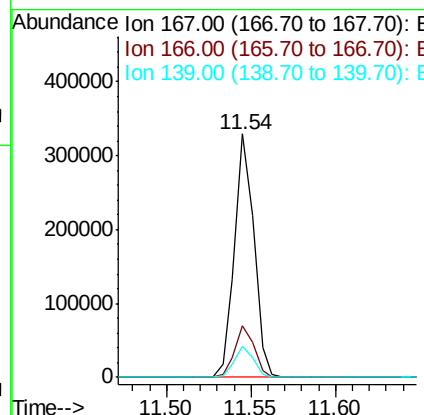
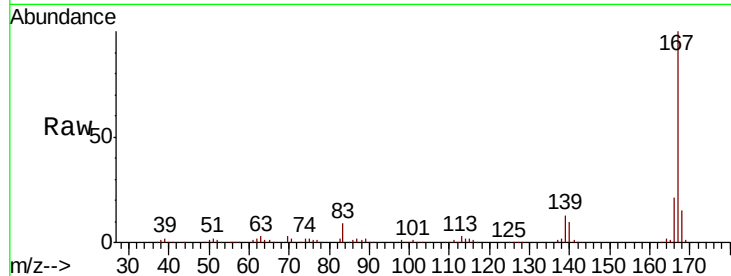
#73
 Carbazole
 Concen: 9.747 ng
 RT: 11.54 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	12.9	10.1	15.1

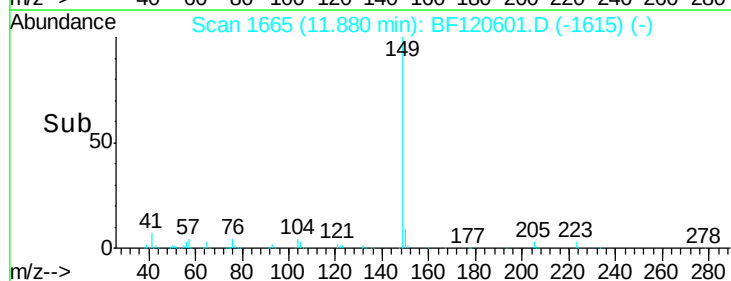
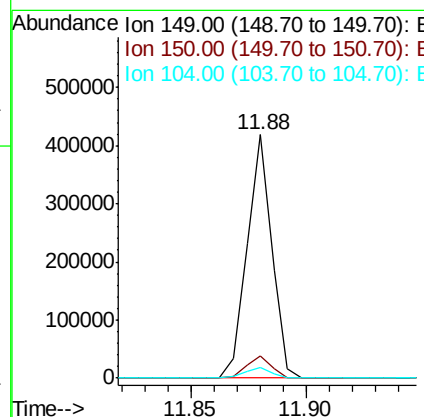
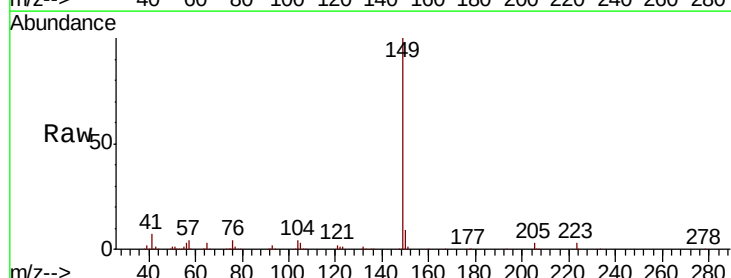
Manual Integrations
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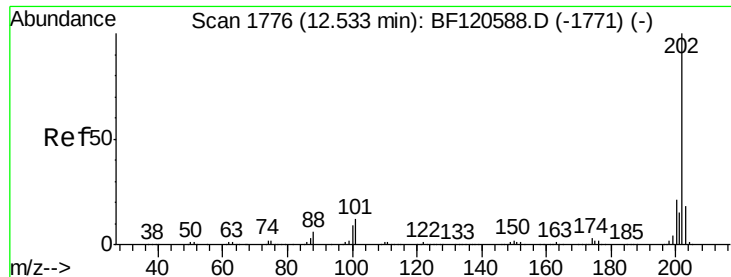
mohammad
 6/15/2020 8:42:49 AM



#74
 Di-n-butylphthalate
 Concen: 10.305 ng
 RT: 11.88 min Scan# 1665
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.7	11.5
104	4.4	3.7	5.5





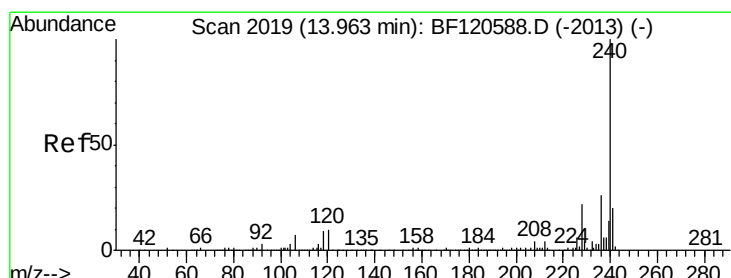
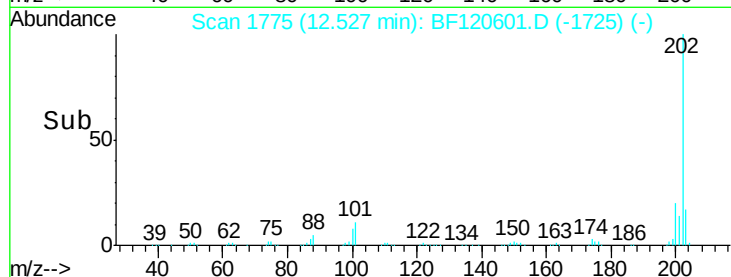
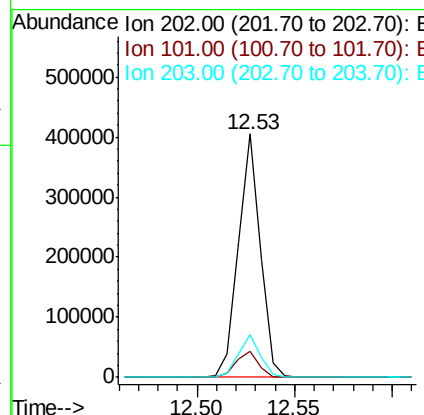
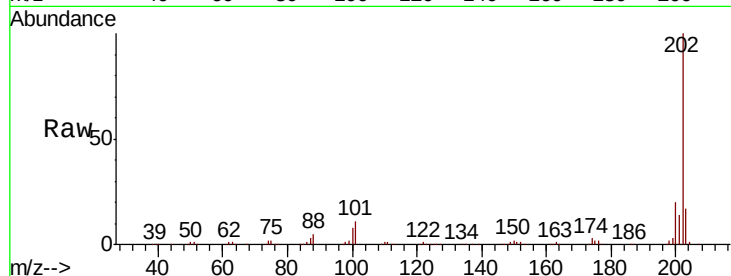
#75
Fluoranthene
Concen: 10.164 ng
RT: 12.53 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.8	0.0	32.0
203	17.4	0.0	38.3

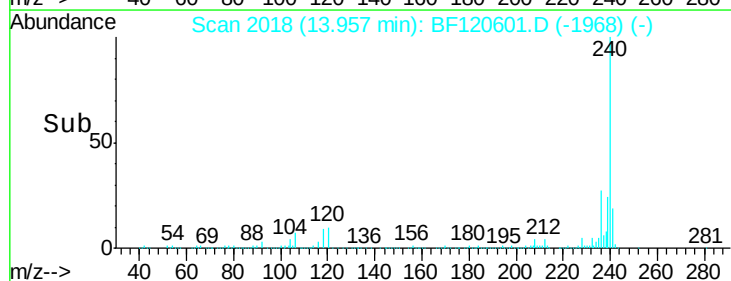
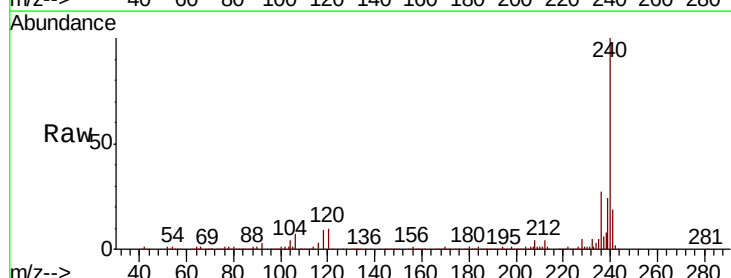
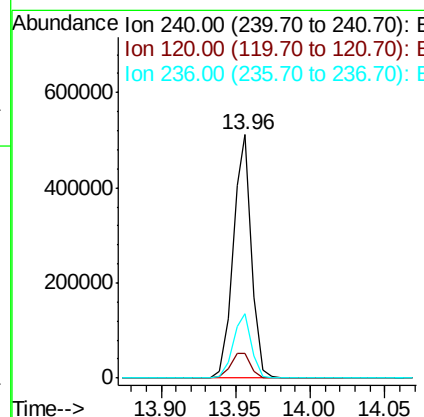
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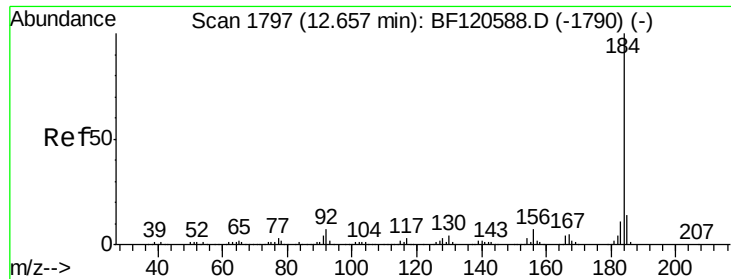
mohammad
6/15/2020 8:42:49 AM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.2	8.3	12.5
236	26.6	21.0	31.4





#77

Benzidine

Concen: 11.470 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

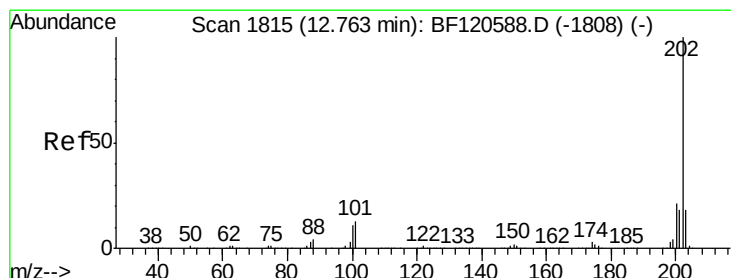
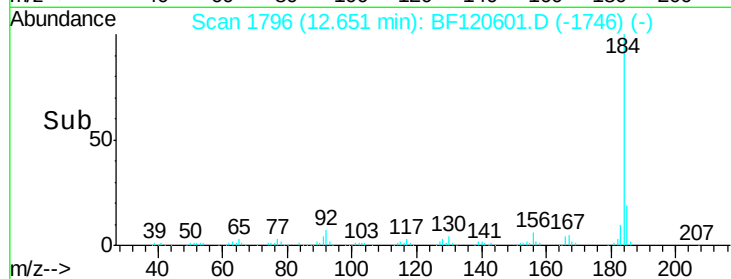
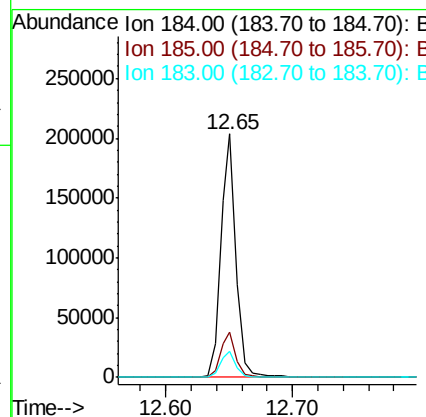
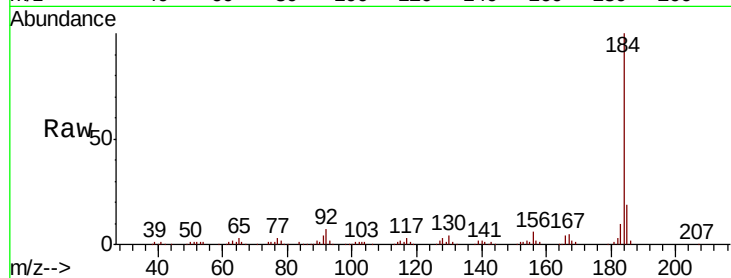
ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion:	184	Resp:	171215
Ion Ratio	Lower	Upper	
184	100		
185	18.5	11.4	17.0#
183	10.5	9.0	13.6

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#78

Pyrene

Concen: 10.429 ng

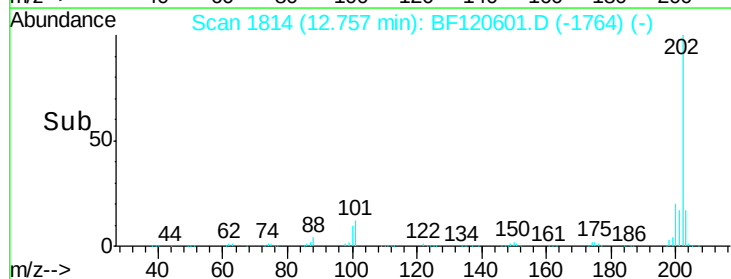
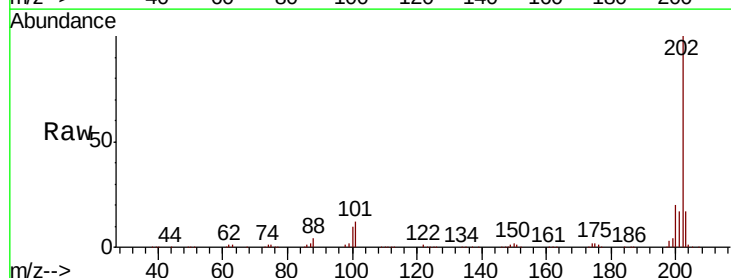
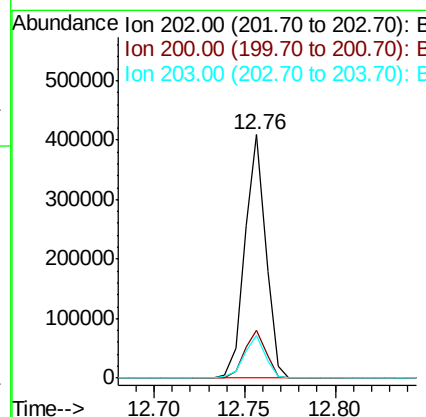
RT: 12.76 min Scan# 1814

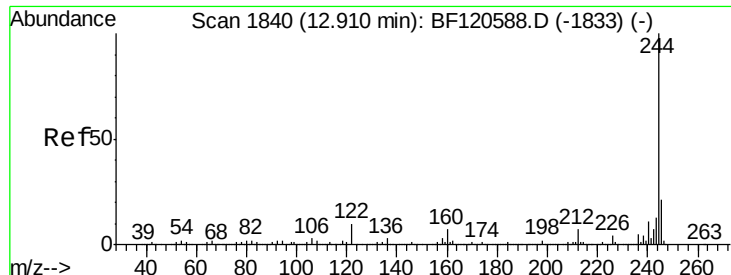
Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Tgt Ion:	202	Resp:	326094
Ion Ratio	Lower	Upper	
202	100		
200	19.8	16.8	25.2
203	17.3	14.3	21.5





#79

Terphenyl-d14

Concen: 98.256 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion:244 Resp: 1963291

Ion Ratio Lower Upper

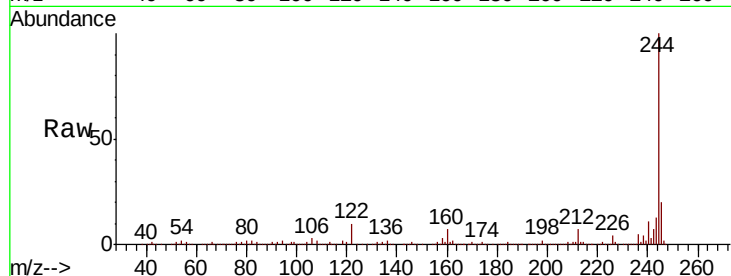
244 100

212 7.0 5.7 8.5

122 10.2 8.3 12.5

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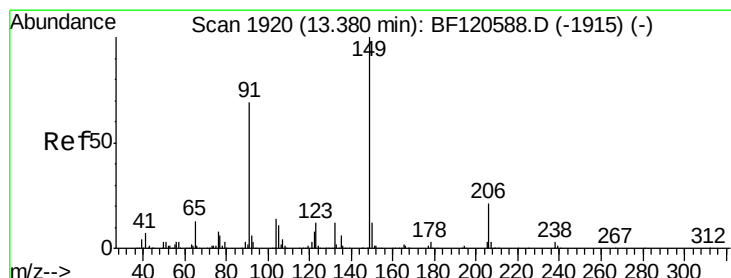
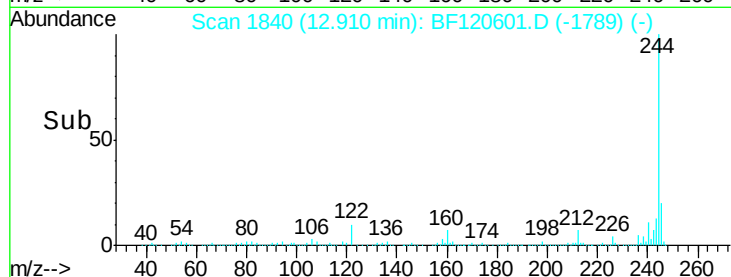
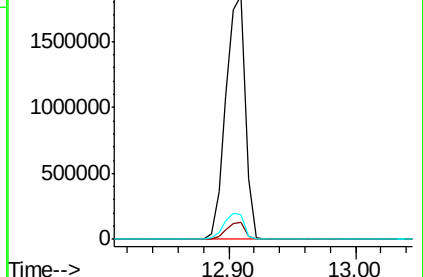
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 9.212 ng

RT: 13.37 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

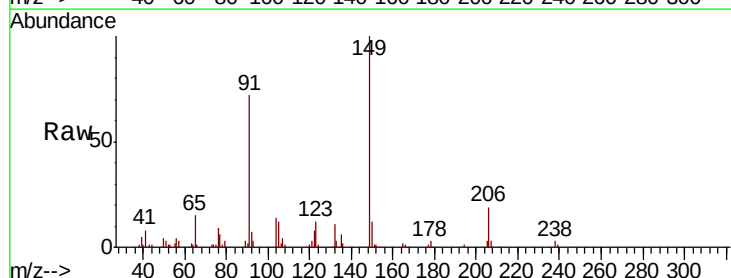
Tgt Ion:149 Resp: 127898

Ion Ratio Lower Upper

149 100

91 71.7 55.4 83.0

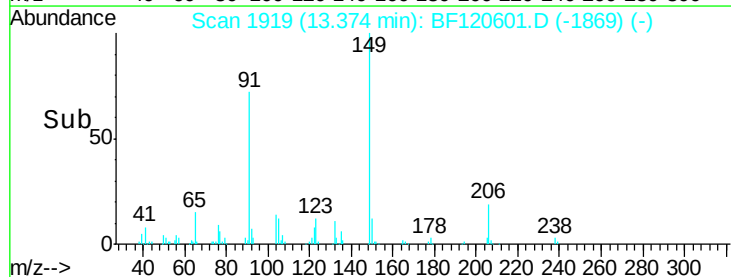
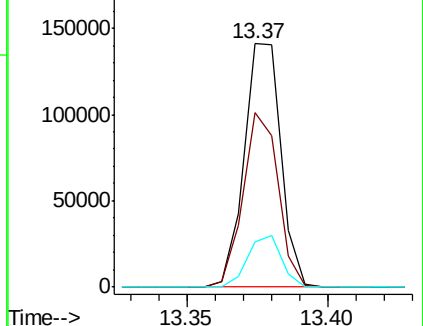
206 18.6 17.0 25.4

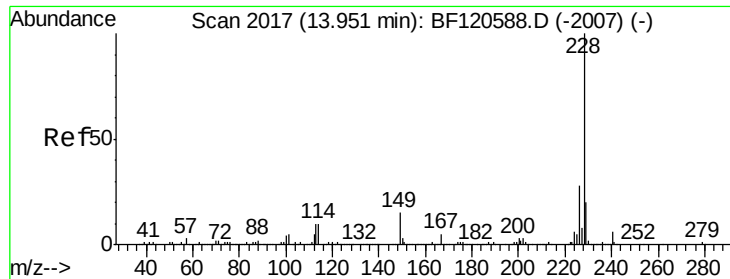


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





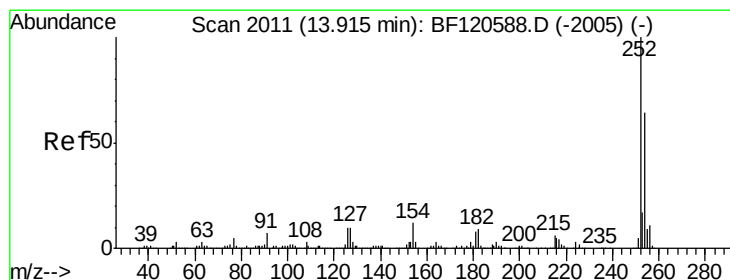
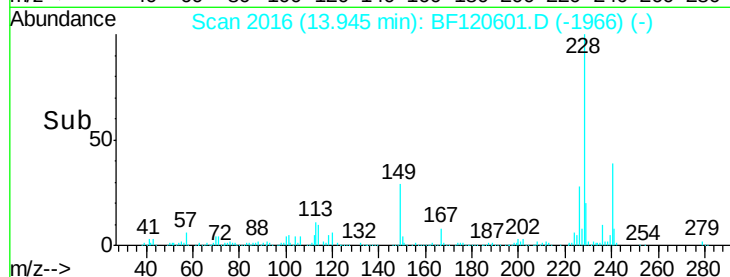
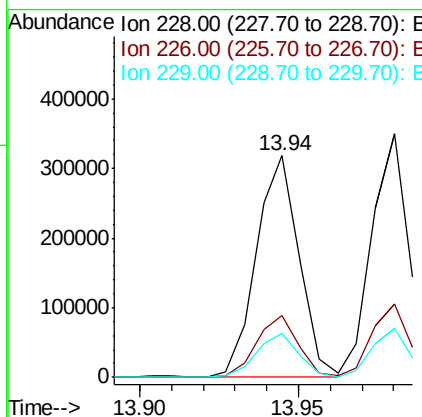
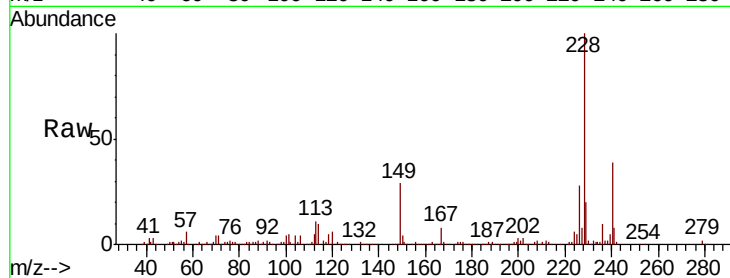
#81
Benzo(a)anthracene
Concen: 11.235 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.5	33.7
229	19.8	16.1	24.1

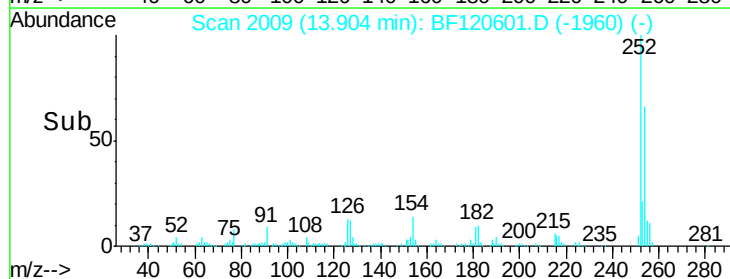
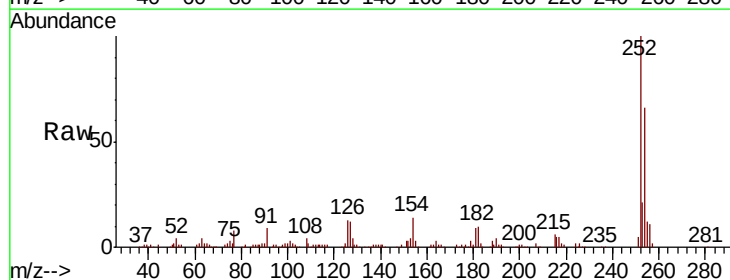
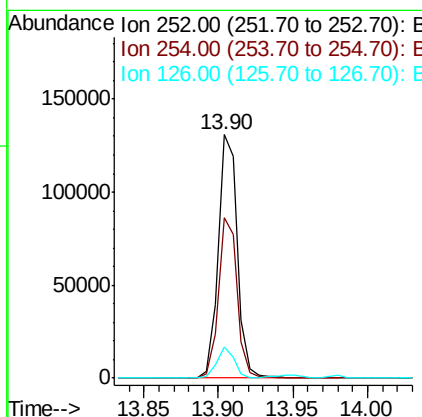
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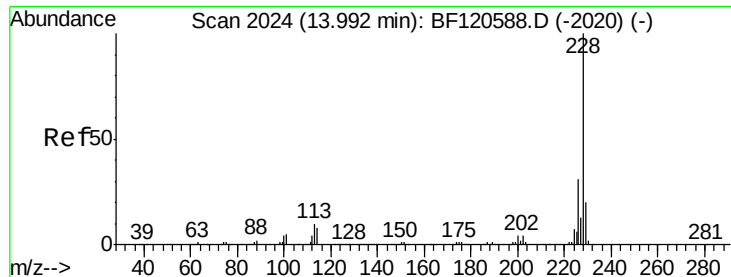
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 11.615 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.8	51.4	77.2
126	12.7	7.9	11.9





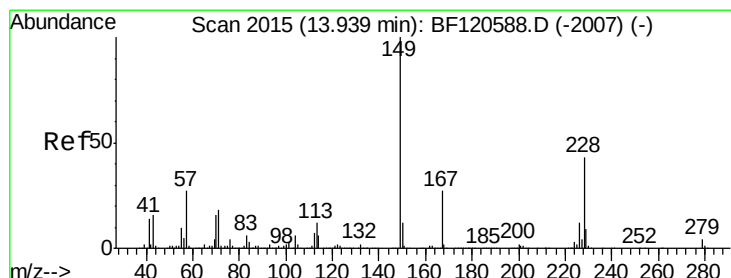
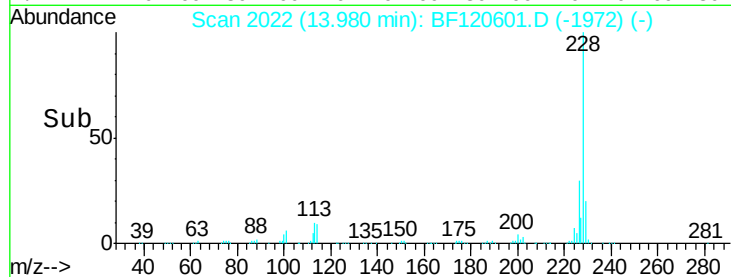
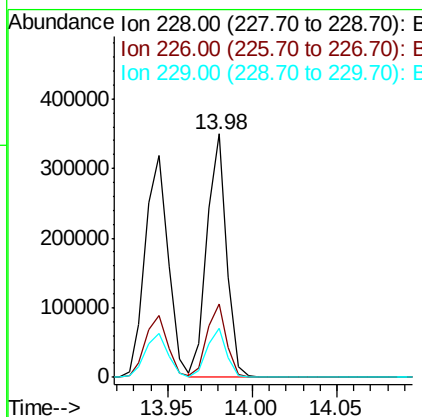
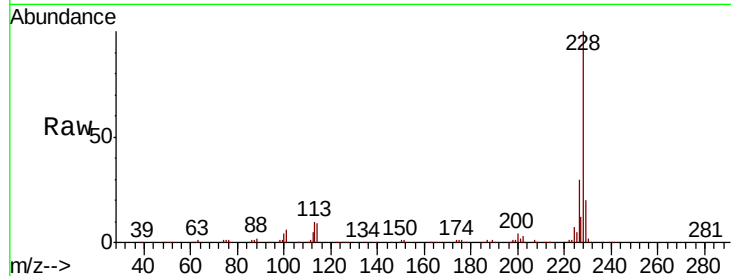
#83
 Chrysene
 Concen: 10.502 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	19.9	16.1	24.1

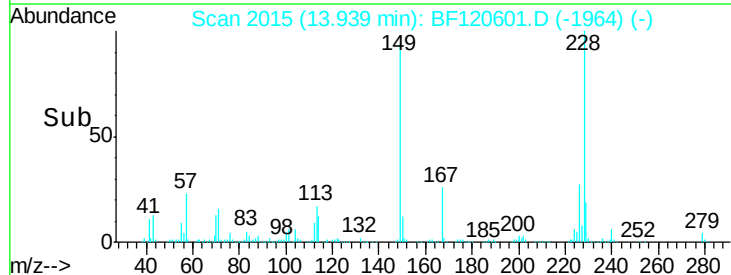
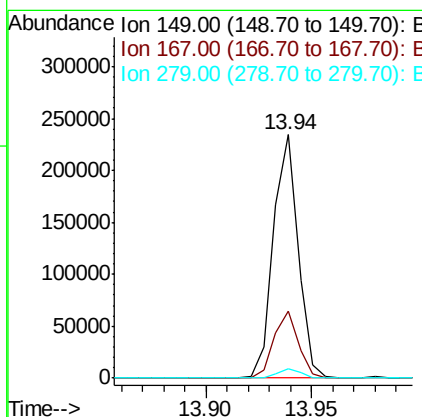
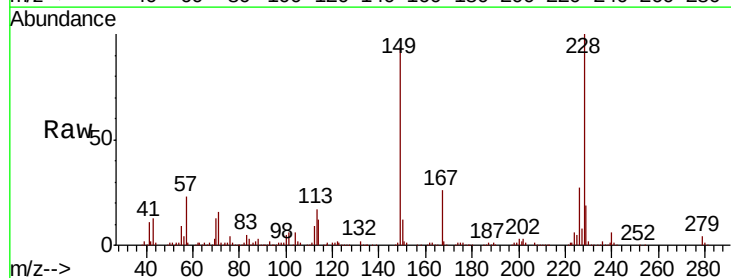
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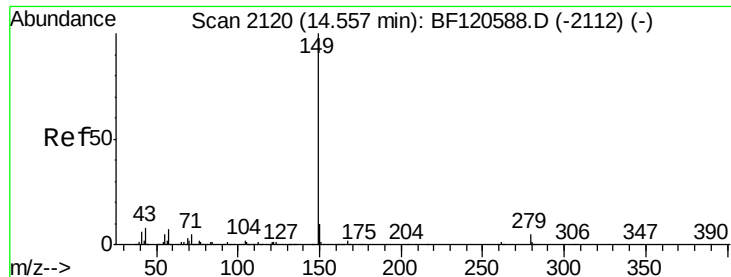
mohammad
 6/15/2020 8:42:49 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 11.295 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.0	33.0
279	3.9	3.0	4.6





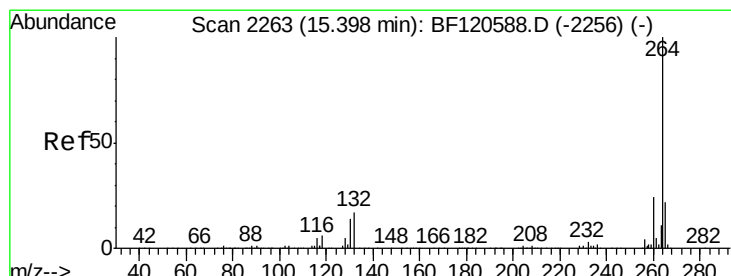
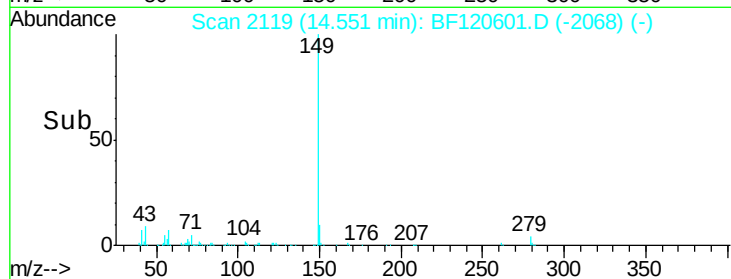
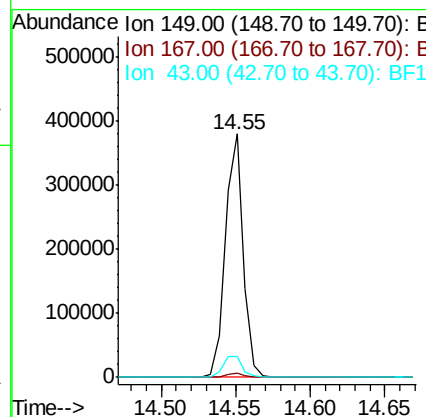
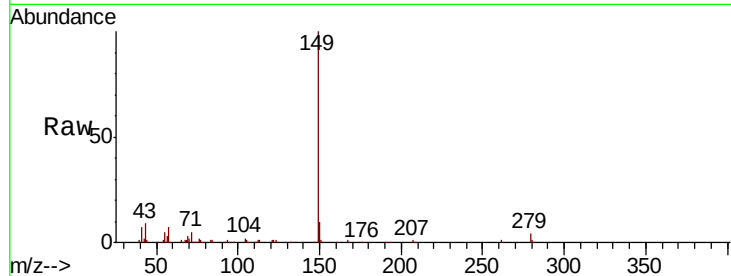
#85
Di-n-octyl phthalate
Concen: 9.898 ng
RT: 14.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.5		1.3	1.9
43	9.9		7.6	11.4

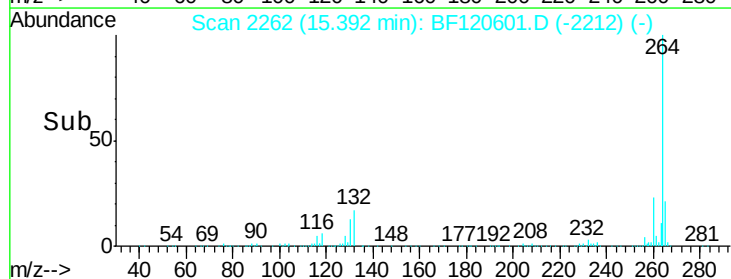
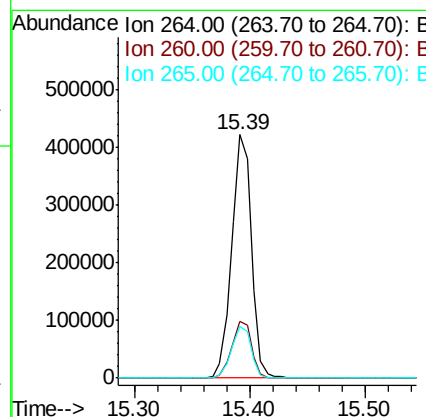
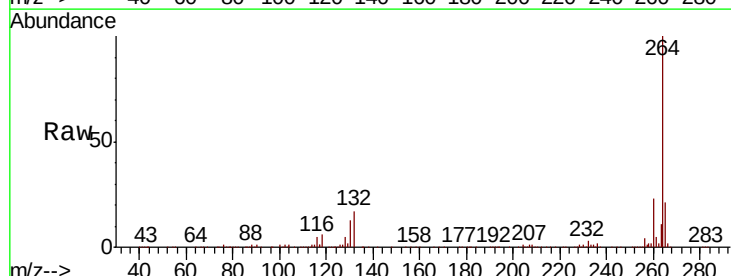
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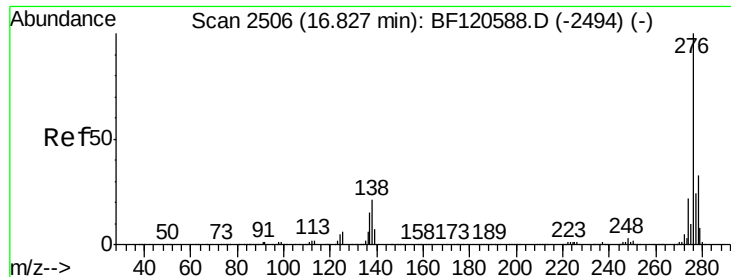
mohammad
6/15/2020 8:42:49 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.2		19.3	28.9
265	21.2		17.8	26.8





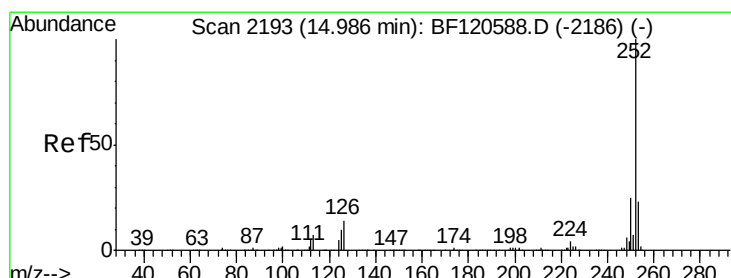
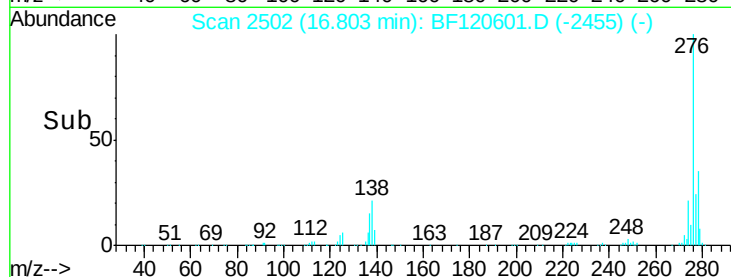
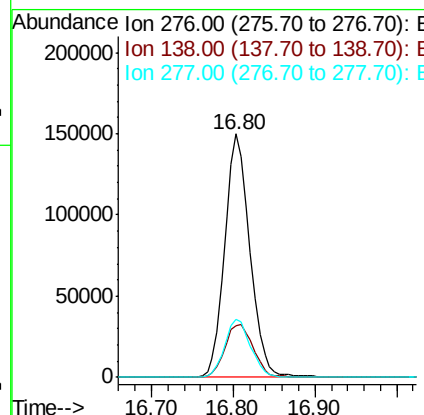
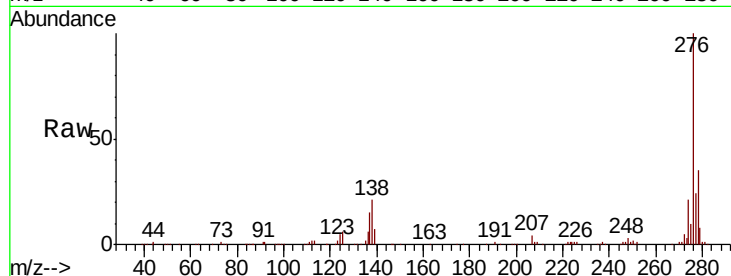
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.595 ng
 RT: 16.80 min Scan# 2502
 Delta R.T. -0.02 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.5	18.9	28.3
277	24.6	20.2	30.2

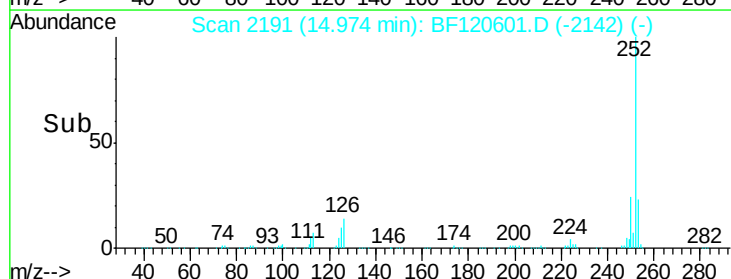
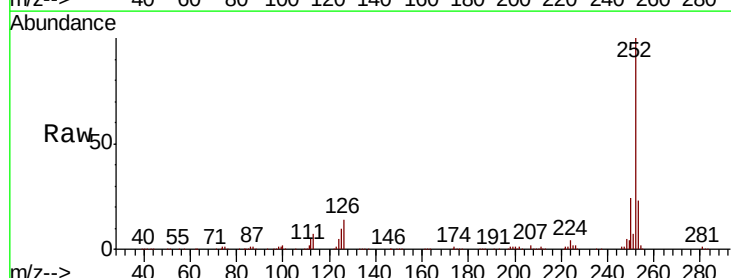
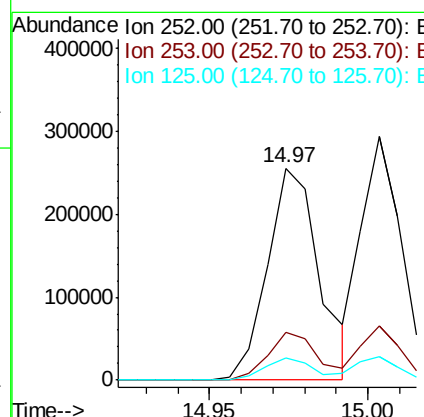
Manual Integrations
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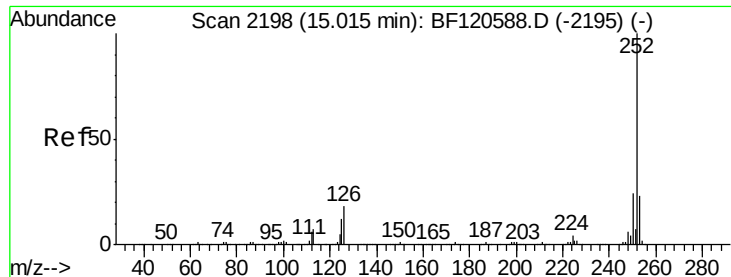
mohammad
 6/15/2020 8:42:49 AM



#88
 Benzo(b)fluoranthene
 Concen: 9.817 ng
 RT: 14.97 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	10.3	8.3	12.5





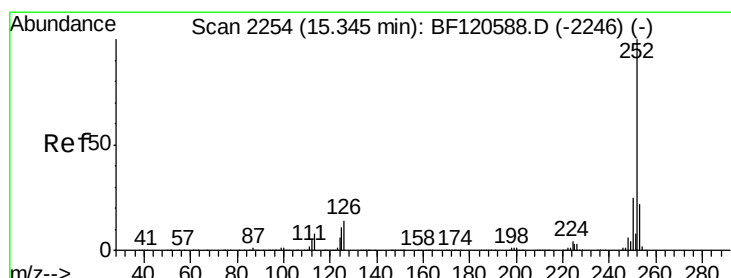
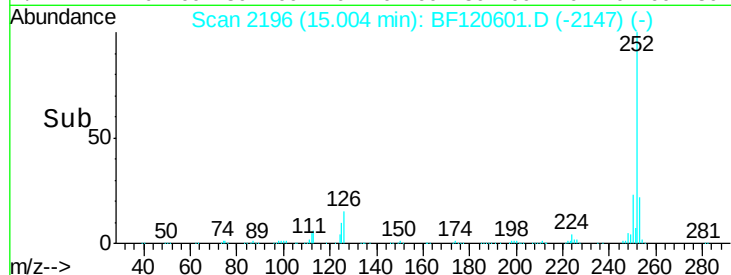
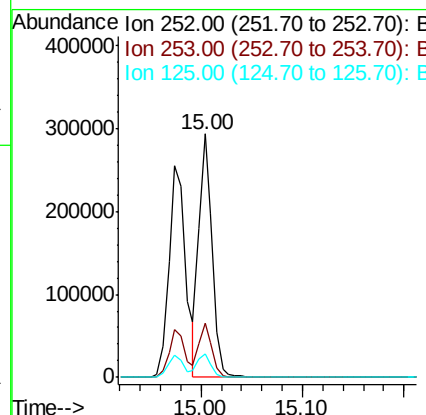
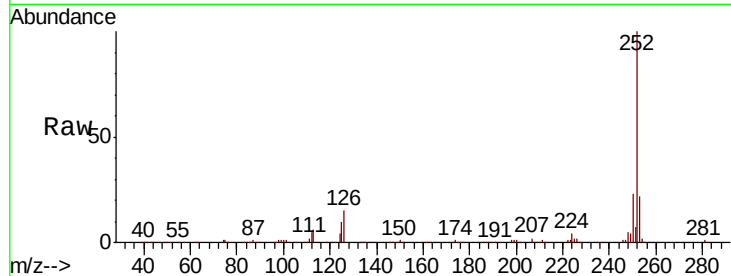
#89
Benzo(k)fluoranthene
Concen: 10.091 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	9.9	8.3	12.5

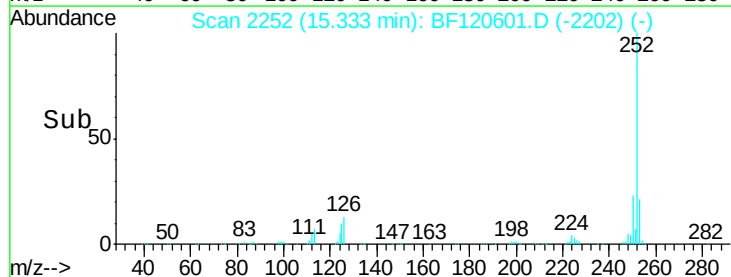
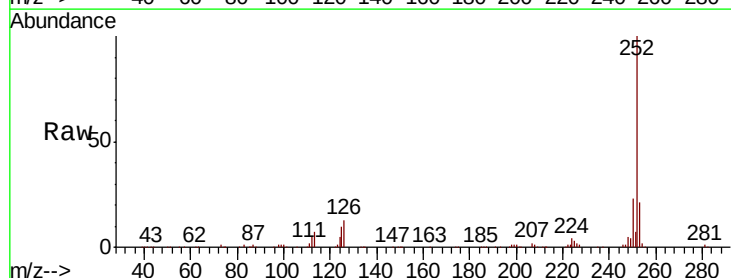
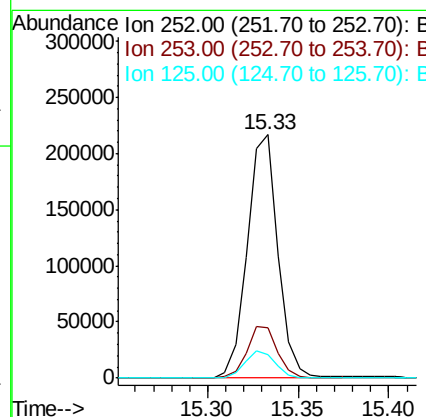
Manual Integrations
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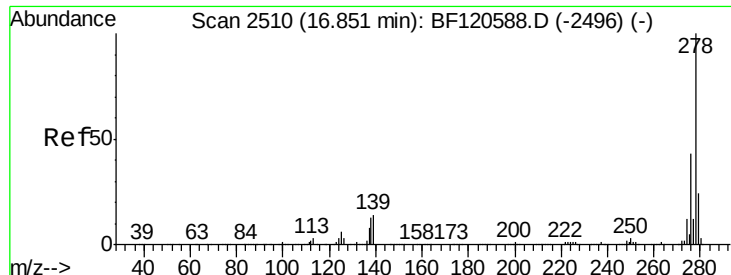
mohammad
6/15/2020 8:42:49 AM



#90
Benzo(a)pyrene
Concen: 9.556 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.8	26.8
125	9.7	8.6	12.8





#91

Dibenzo(a,h)anthracene

Concen: 11.250 ng

RT: 16.82 min Scan# 2505

Delta R.T. -0.02 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

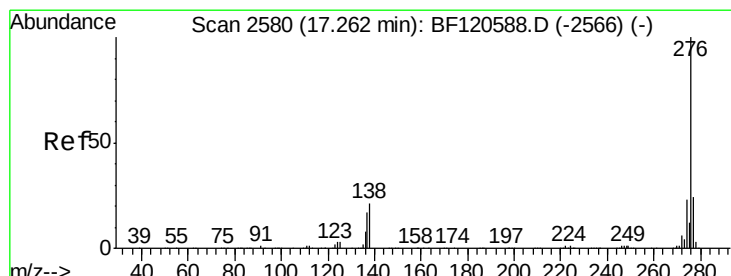
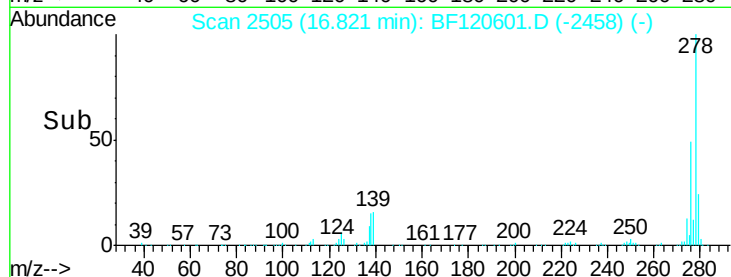
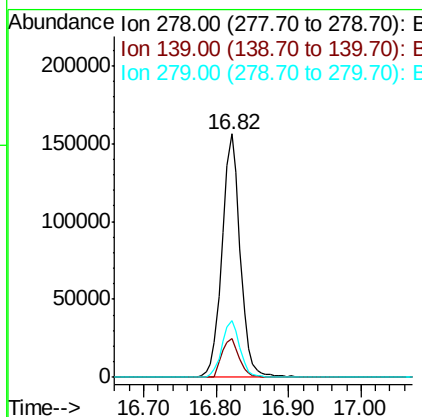
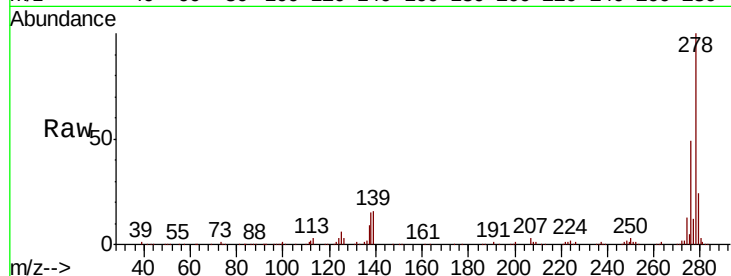
ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.8	11.4	17.2
279	23.5	19.1	28.7

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 11.159 ng

RT: 17.23 min Scan# 2575

Delta R.T. -0.02 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.3	19.6	29.4
138	19.3	16.5	24.7

