

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061120\
 Data File : BF120599.D
 Acq On : 11 Jun 2020 13:32
 Operator : JU/CG
 Sample : L1161-01
 Misc : LOD-MDL-SOIL-5PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Manual Integrations
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mohammad
 6/15/2020 8:42:44 AM

Quant Time: Jun 11 14:23:40 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	147006	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	538051	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	259712	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	511172	20.00	ng	0.00
76) Chrysene-d12	13.96	240	290366	20.00	ng	0.00
86) Perylene-d12	15.40	264	325909	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1189014	138.67	ng	0.00
7) Phenol-d6	6.43	99	1482839	138.85	ng	0.00
23) Nitrobenzene-d5	7.36	82	945137	98.19	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	453822	150.30	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1585203	93.39	ng	0.00
79) Terphenyl-d14	12.91	244	1934227	147.14	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.48	88	19015	4.679	ng	99
3) Pyridine	3.29	79	34377	3.009	ng	98
4) n-Nitrosodimethylamine	3.15	42	20743	4.375	ng	# 94
6) Aniline	6.46	93	67829	4.963	ng	100
8) 2-Chlorophenol	6.59	128	46400	4.789	ng	97
9) Benzaldehyde	6.35	77	39449	5.840	ng	92
10) Phenol	6.45	94	60438	5.304	ng	94
11) bis(2-Chloroethyl)ether	6.53	93	46705	4.921	ng	99
12) 1,3-Dichlorobenzene	6.74	146	51307	4.981	ng	97
13) 1,4-Dichlorobenzene	6.82	146	51701	5.087	ng	97
14) 1,2-Dichlorobenzene	6.97	146	49008	4.950	ng	99
15) Benzyl Alcohol	6.93	79	49044	6.476	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.07	45	67380	4.931	ng	100
17) 2-Methylphenol	7.05	107	36774	4.450	ng	98
18) Hexachloroethane	7.31	117	18214	4.864	ng	90
19) n-Nitroso-di-n-propylamine	7.20	70	32496	5.246	ng	99
20) 3+4-Methylphenols	7.20	107	46664	4.519	ng	# 75
22) Acetophenone	7.20	105	68940	5.731	ng	96
24) Nitrobenzene	7.38	77	50954	5.058	ng	99
25) Isophorone	7.62	82	88850	4.739	ng	97
26) 2-Nitrophenol	7.69	139	21612	4.056	ng	99
27) 2,4-Dimethylphenol	7.73	122	24807	3.162	ng	95
28) bis(2-Chloroethoxy)methane	7.83	93	57107	5.254	ng	99
29) 2,4-Dichlorophenol	7.94	162	36605	4.589	ng	98
30) 1,2,4-Trichlorobenzene	8.02	180	43046	4.870	ng	95
31) Naphthalene	8.10	128	143349	5.426	ng	98
33) 4-Chloroaniline	8.15	127	56710	4.676	ng	98
34) Hexachlorobutadiene	8.22	225	25115	4.875	ng	99
35) Caprolactam	8.48	113	12615	4.945	ng	99
36) 4-Chloro-3-methylphenol	8.63	107	38986	4.893	ng	96
37) 2-Methylnaphthalene	8.79	142	93979	5.449	ng	98
38) 1-Methylnaphthalene	8.89	142	84719	5.220	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	42062	5.424	ng	100
41) Hexachlorocyclopentadiene	8.95	237	14457	3.327	ng	95

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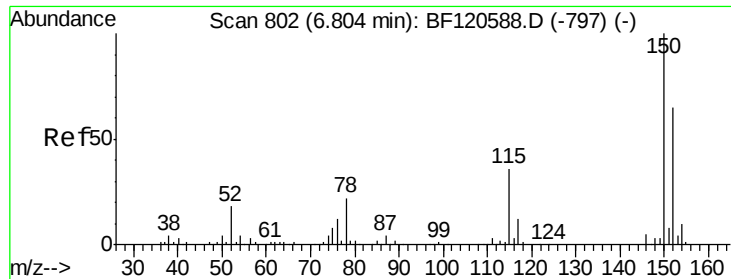
Manual Integrations
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 6/15/2020 8:42:44 AM

Quant Time: Jun 11 14:23:40 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)
43) 2,4,6-Trichlorophenol	9.07	196	23566	4.284	nq	96
44) 2,4,5-Trichlorophenol	9.11	196	26031	4.171	nq	97
46) 1,1'-Biphenyl	9.26	154	115025	5.931	nq	97
47) 2-Chloronaphthalene	9.28	162	81849	5.161	nq	98
48) 2-Nitroaniline	9.37	65	20170	4.050	nq	97
49) Acenaphthylene	9.69	152	129991	5.311	nq	99
50) Dimethylphthalate	9.55	163	95035	5.081	nq	98
51) 2,6-Dinitrotoluene	9.61	165	17893	4.221	nq	94
52) Acenaphthene	9.86	154	77655	5.320	nq	97
53) 3-Nitroaniline	9.78	138	20665	4.059	nq	95
55) Dibenzofuran	10.04	168	125164	5.592	nq	97
56) 4-Nitrophenol	9.95	139	13926	3.632	nq	99
57) 2,4-Dinitrotoluene	10.02	165	23476	4.174	nq	95
58) Fluorene	10.38	166	94778	5.493	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.16	232	21645	4.408	nq	# 98
60) Diethylphthalate	10.25	149	94905	5.152	nq	99
61) 4-Chlorophenyl-phenylether	10.37	204	47687	5.352	nq	93
62) 4-Nitroaniline	10.39	138	20121	3.981	nq	99
63) Azobenzene	10.53	77	88426	5.288	nq	97
65) 4,6-Dinitro-2-methylphenol	10.42	198	8673	2.828	nq	99
66) n-Nitrosodiphenylamine	10.49	169	81080	5.165	nq	99
67) 4-Bromophenyl-phenylether	10.86	248	28229	4.866	nq	95
68) Hexachlorobenzene	10.93	284	32476	5.207	nq	96
69) Atrazine	11.02	200	27000	5.558	nq	98
70) Pentachlorophenol	11.13	266	9918	2.860	nq	98
71) Phenanthrene	11.34	178	137307	5.404	nq	98
72) Anthracene	11.39	178	139860	5.461	nq	98
73) Carbazole	11.55	167	125508	4.950	nq	99
74) Di-n-butylphthalate	11.88	149	146935	5.155	nq	99
75) Fluoranthene	12.53	202	158767	5.465	nq	98
77) Benzidine	12.65	184	71212m	7.252	nq	
78) Pyrene	12.76	202	165654	8.053	nq	98
80) Butylbenzylphthalate	13.37	149	59071	6.467	nq	96
81) Benzo(a)anthracene	13.94	228	99369	5.696	nq	98
82) 3,3'-Dichlorobenzidine	13.91	252	37993	5.702	nq	99
83) Chrysene	13.98	228	98895	5.527	nq	96
84) Bis(2-ethylhexyl)phthalate	13.94	149	61573	5.524	nq	99
85) Di-n-octyl phthalate	14.55	149	102377	4.812	nq	99
87) Indeno(1,2,3-cd)pyrene	16.81	276	106093	5.352	nq	99
88) Benzo(b)fluoranthene	14.97	252	97290	5.011	nq	98
89) Benzo(k)fluoranthene	15.00	252	92088	5.361	nq	99
90) Benzo(a)pyrene	15.33	252	85933	4.946	nq	97
91) Dibenzo(a,h)anthracene	16.82	278	89177	5.610	nq	98
92) Benzo(g,h,i)perylene	17.23	276	90130	5.625	nq	99

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



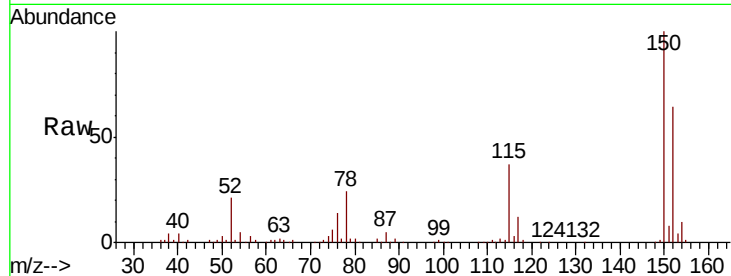
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	123.2	184.8
115	58.2	43.9	65.9

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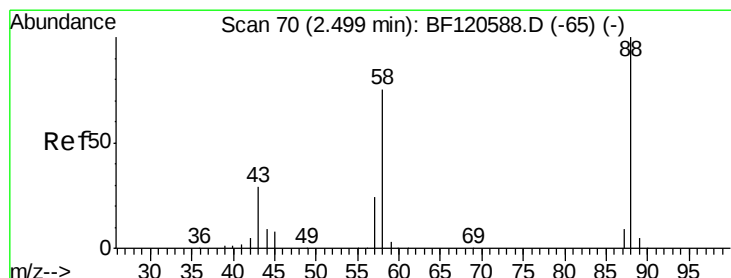
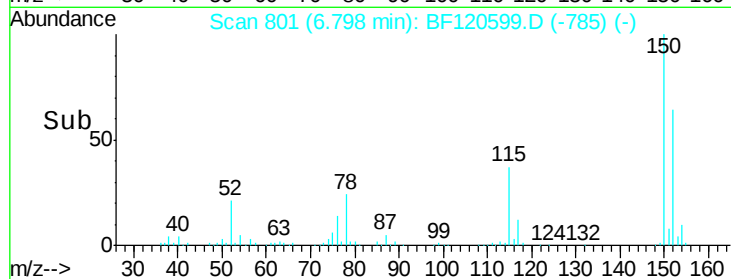
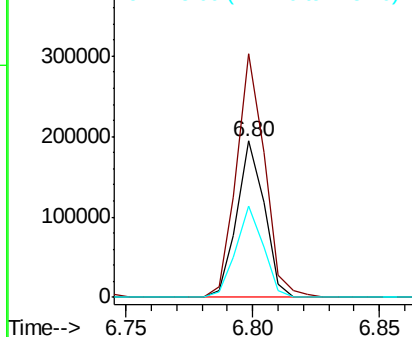


Abundance

Ion 152.00 (151.70 to 152.70): E

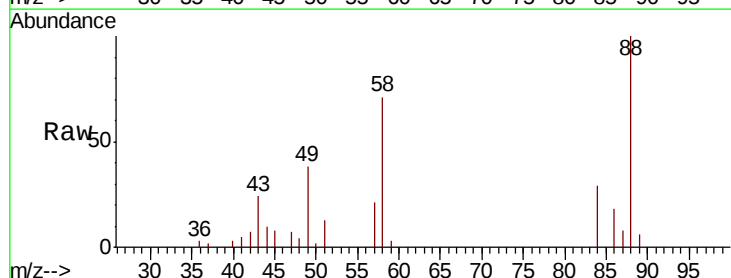
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2
 1,4-Dioxane
 Concen: 4.679 ng
 RT: 2.48 min Scan# 66
 Delta R.T. -0.03 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.9	59.6	89.4
43	30.0	23.1	34.7

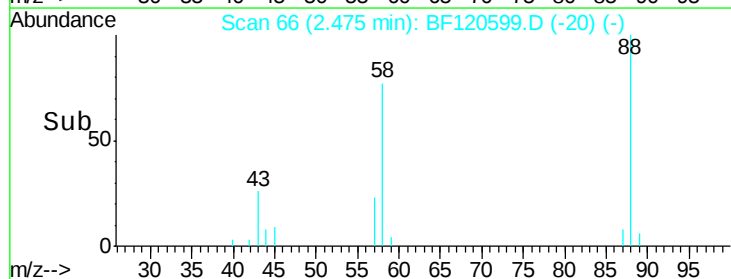
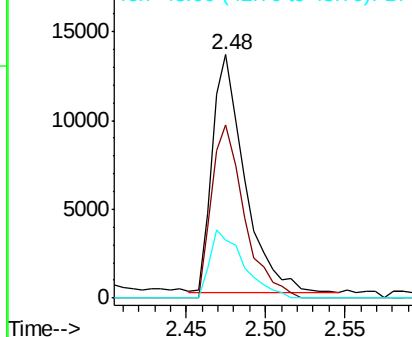


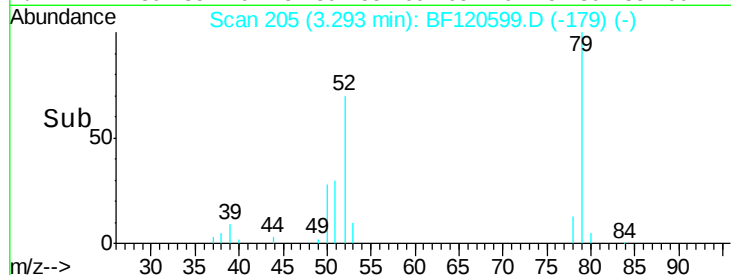
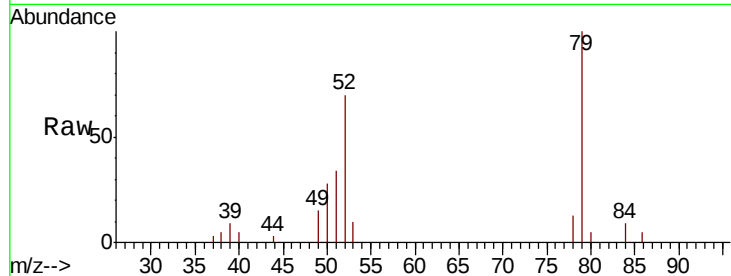
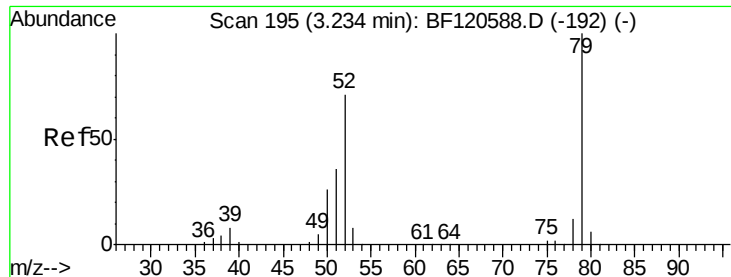
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





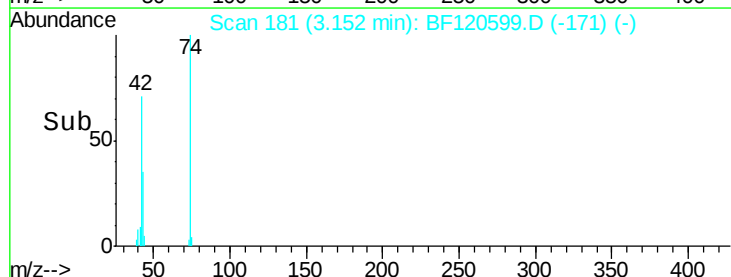
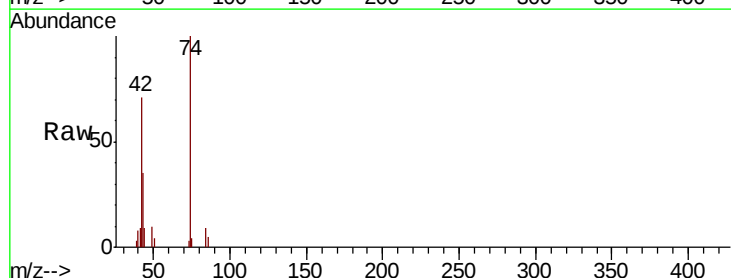
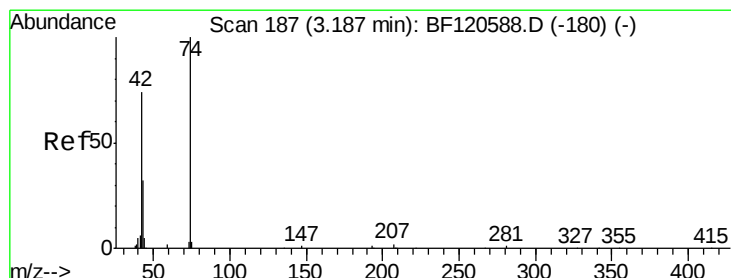
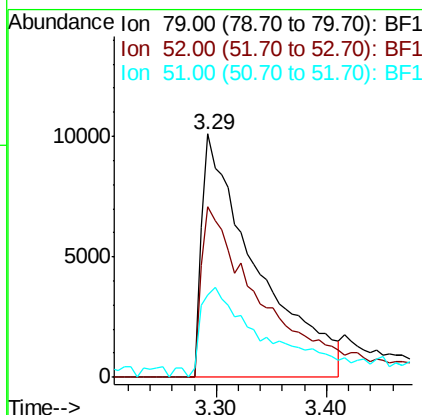
#3
Pvridine
Concen: 3.009 ng
RT: 3.29 min Scan# 205
Delta R.T. 0.05 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tot Ion	Ratio	Lower	Upper
79	100		
52	70.3	57.0	85.6
51	33.6	28.5	42.7

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ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

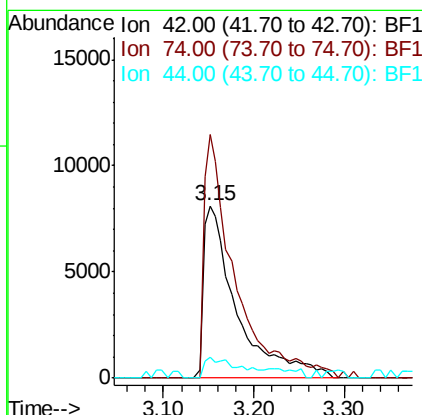
Manual Integrations
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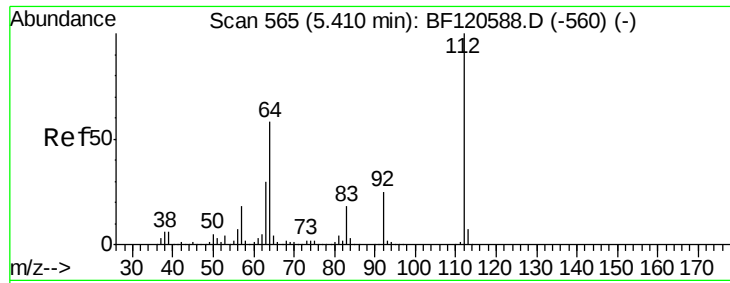
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#4
n-Nitrosodimethylamine
Concen: 4.375 ng
RT: 3.15 min Scan# 181
Delta R.T. -0.04 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
42	100		
74	141.5	107.8	161.6
44	12.1	5.1	7.7#





#5

2-Fluorophenol

Concen: 138.668 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

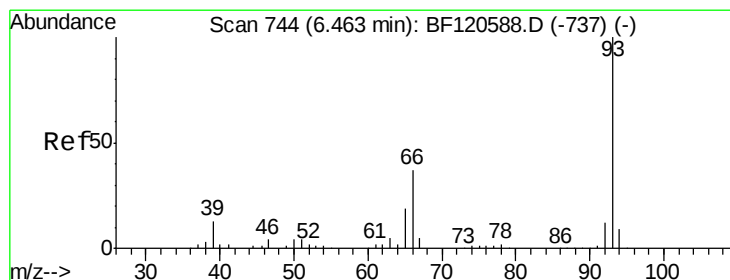
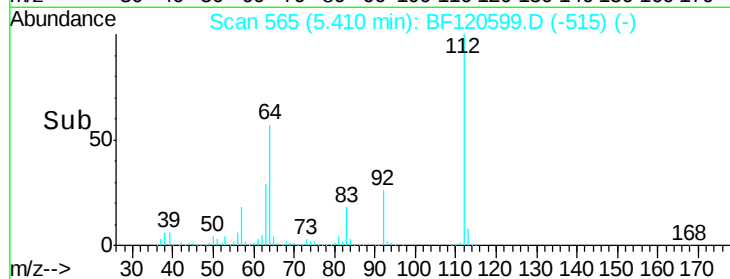
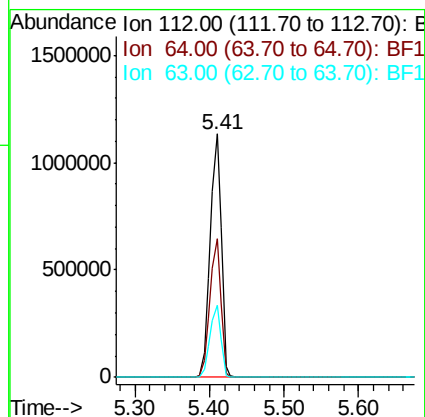
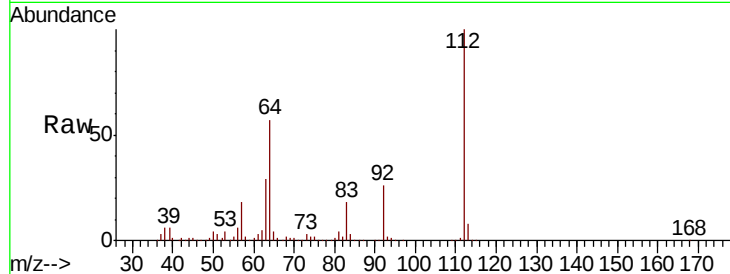
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	112	Resp:	1189014
Ion	Ratio	Lower	Upper
112	100		
64	57.1	46.1	69.1
63	29.4	23.7	35.5

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#6

Aniline

Concen: 4.963 ng

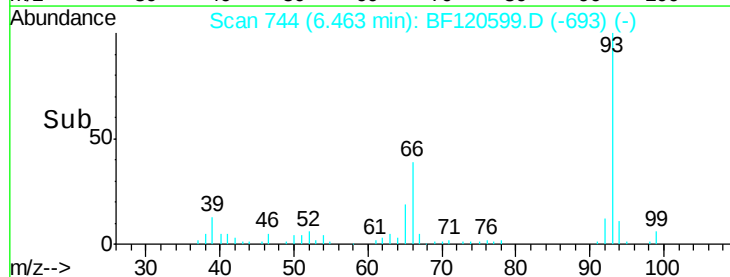
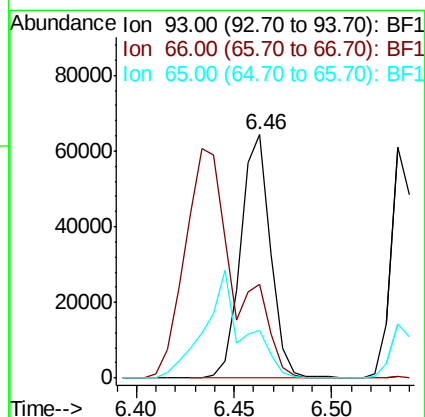
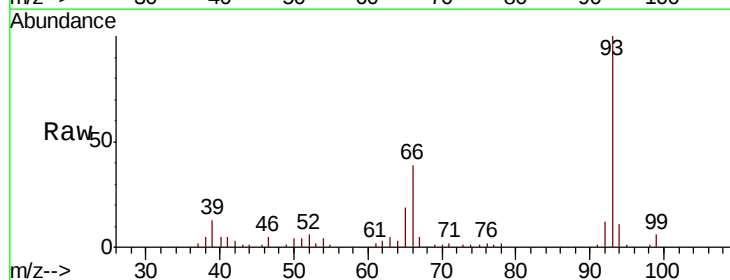
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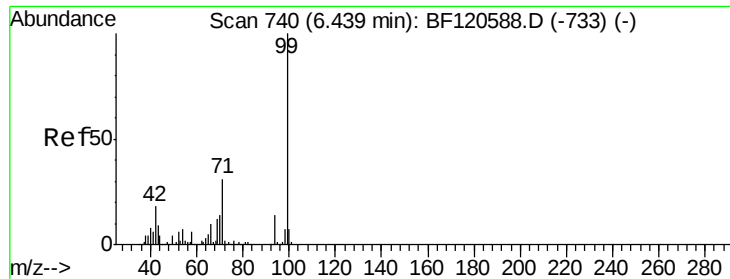
Delta R.T. 0.00 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Tgt Ion:	93	Resp:	67829
Ion	Ratio	Lower	Upper
93	100		
66	38.7	30.9	46.3
65	19.5	15.9	23.9





#7

Phenol-d6

Concen: 138.849 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 99 Resp: 1482839

Ion Ratio Lower Upper

99 100

42 19.0 14.0 21.0

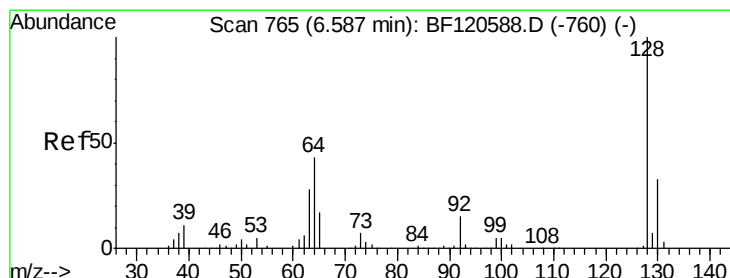
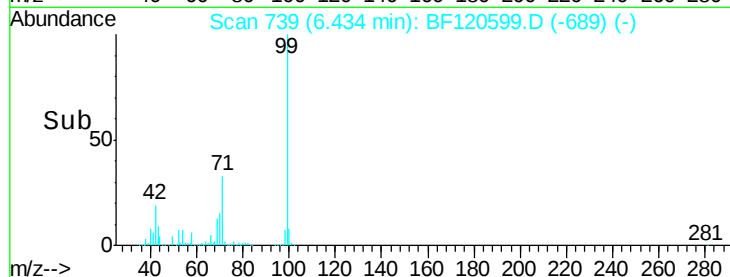
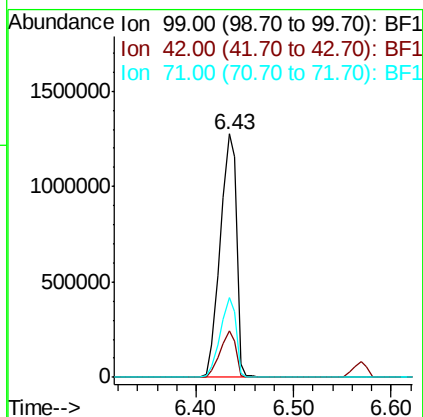
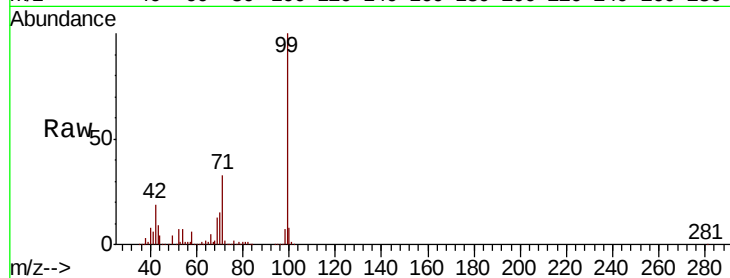
71 32.9 24.9 37.3

Manual Integrations

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#8

2-Chlorophenol

Concen: 4.789 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

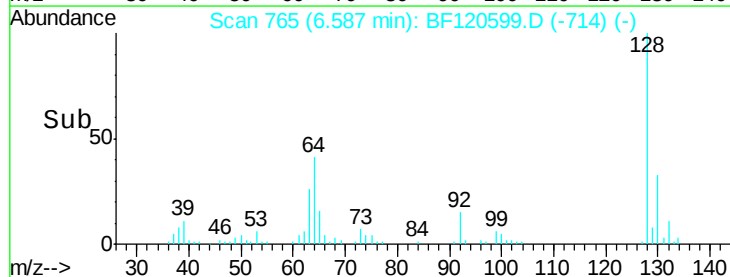
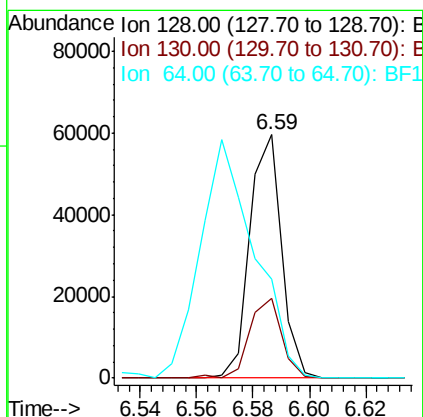
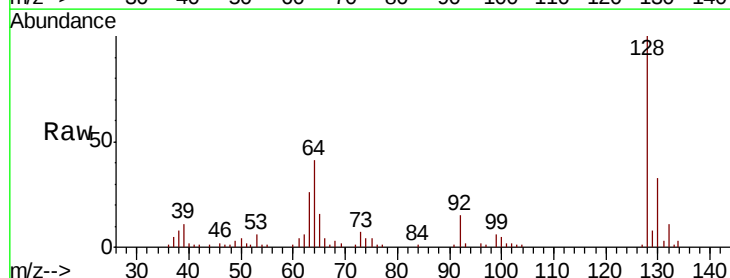
Tgt Ion: 128 Resp: 46400

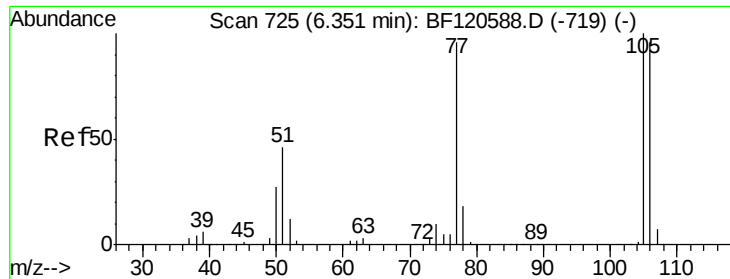
Ion Ratio Lower Upper

128 100

130 32.7 12.6 52.6

64 40.8 24.3 64.3





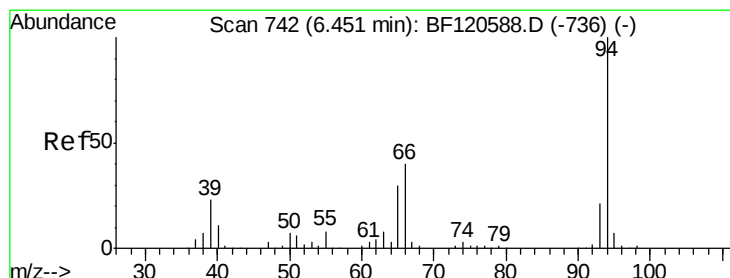
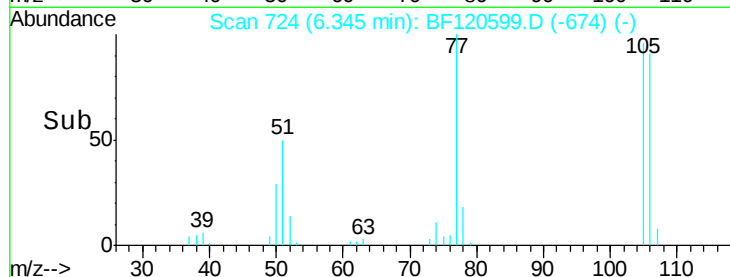
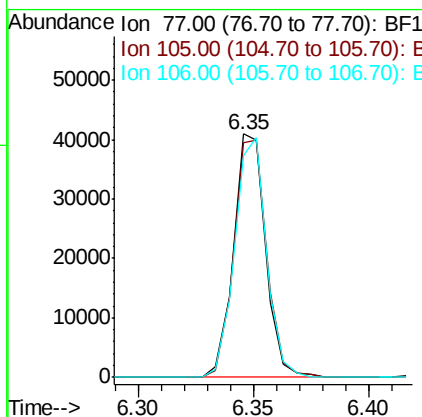
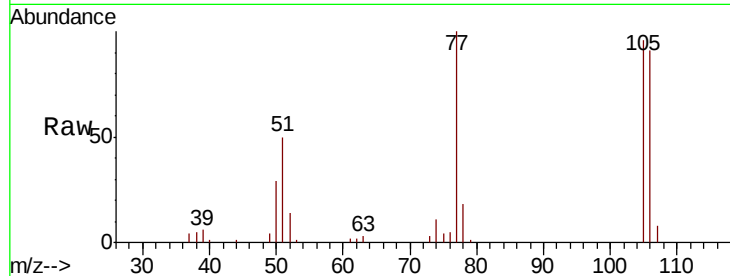
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Benzaldehyde
Concen: 5.840 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleID :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
77	100		
105	96.1	83.8	123.8
106	91.3	79.3	119.3

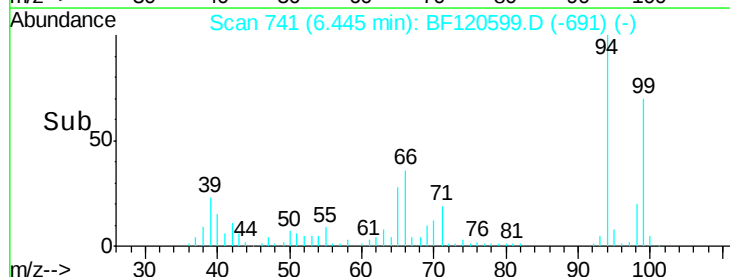
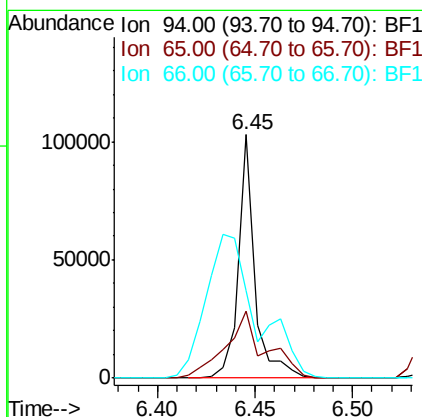
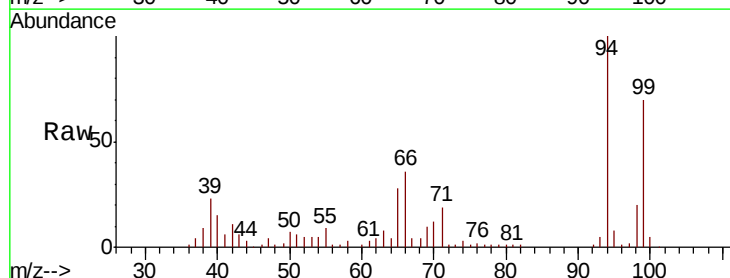
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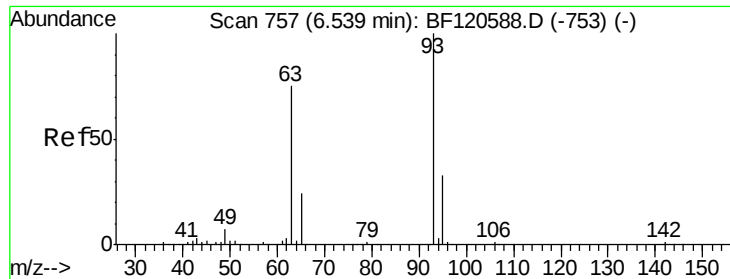
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#10
Phenol
Concen: 5.304 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
94	100		
65	27.6	9.9	49.9
66	35.8	20.1	60.1





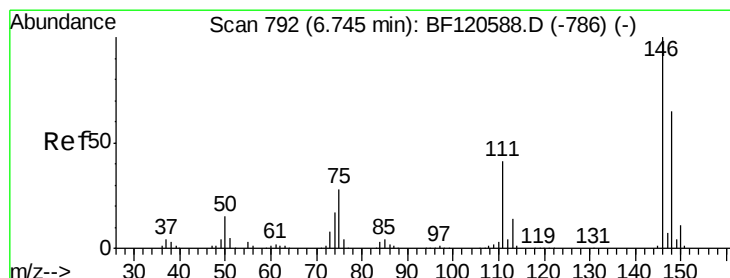
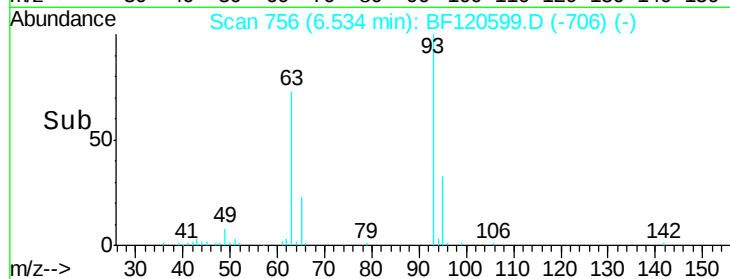
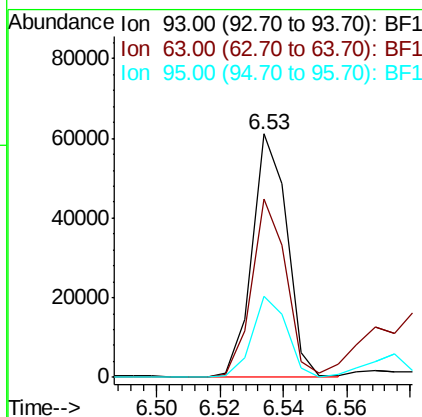
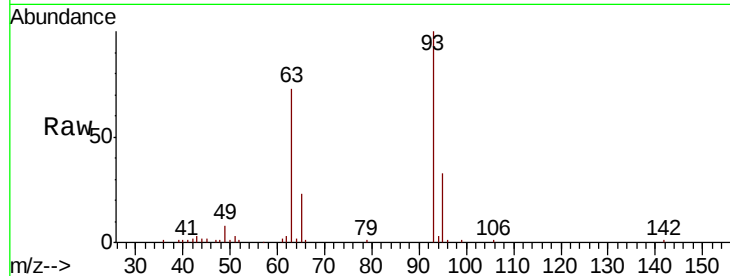
#11
bis(2-Chloroethyl)ether
Concen: 4.921 ng
RT: 6.53 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	93	Resp:	46705
Ion Ratio	Lower	Upper	
93	100		
63	73.5	54.4	94.4
95	33.5	12.9	52.9

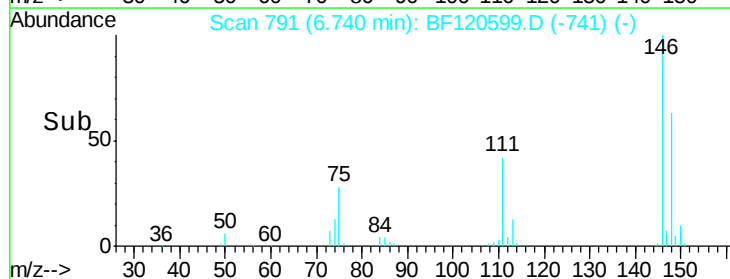
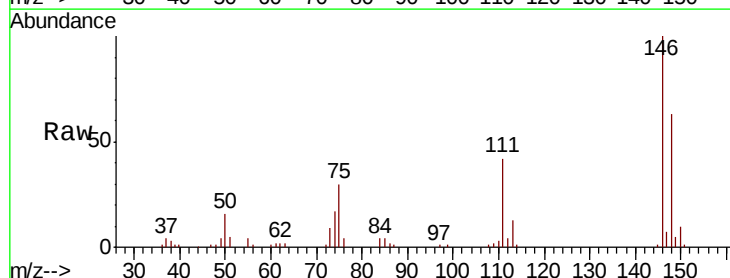
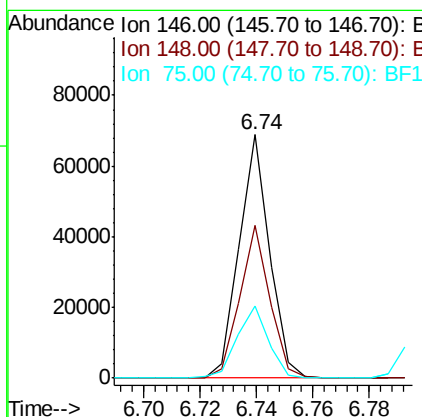
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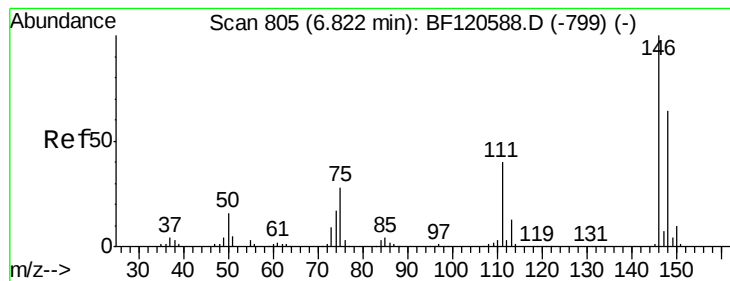
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#12
1,3-Dichlorobenzene
Concen: 4.981 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion:	146	Resp:	51307
Ion Ratio	Lower	Upper	
146	100		
148	62.6	51.8	77.6
75	29.8	22.2	33.4





#13

1,4-Dichlorobenzene

Concen: 5.087 ng

RT: 6.82 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

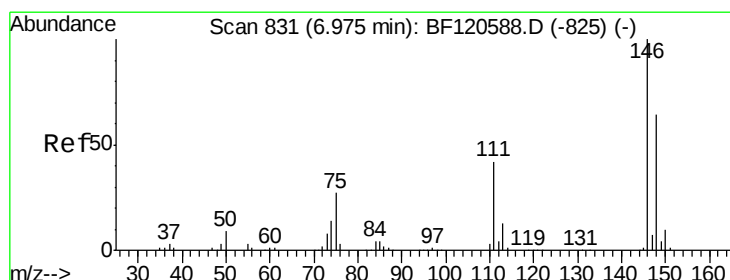
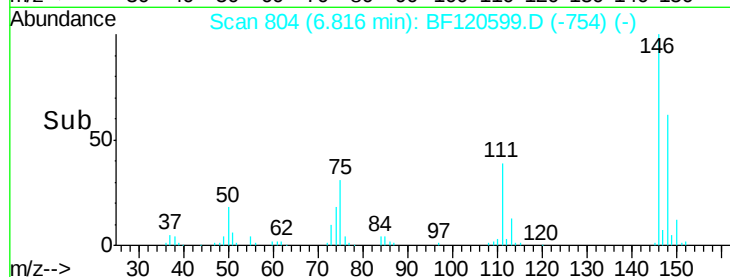
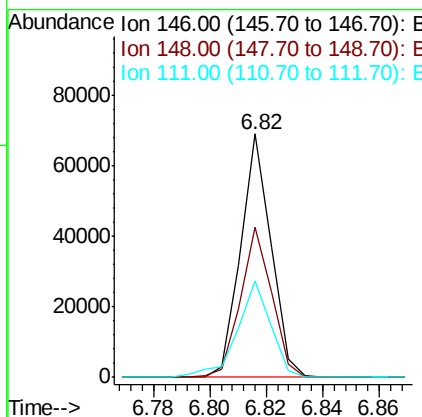
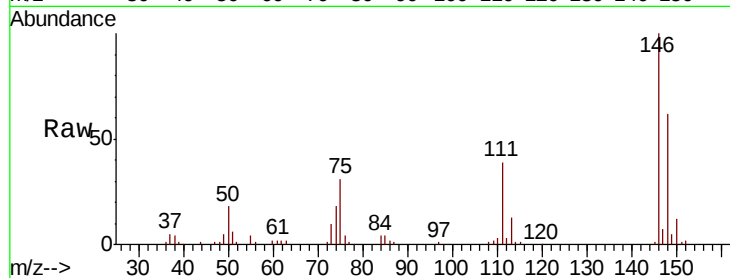
ClientSampleId :

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Tot Ion:	146	Resp:	51701
Ion Ratio	Lower	Upper	
146	100		
148	61.8	51.5	77.3
111	39.5	32.2	48.4

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#14

1,2-Dichlorobenzene

Concen: 4.950 ng

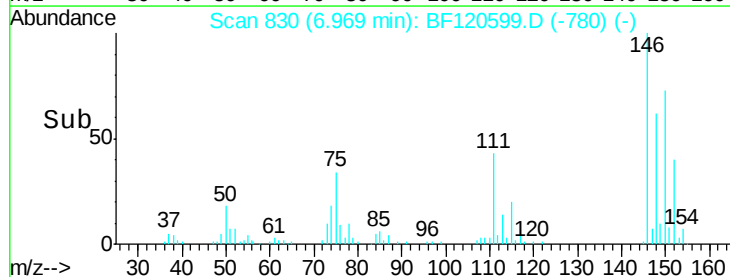
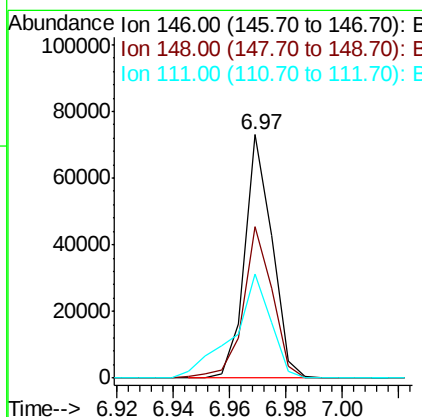
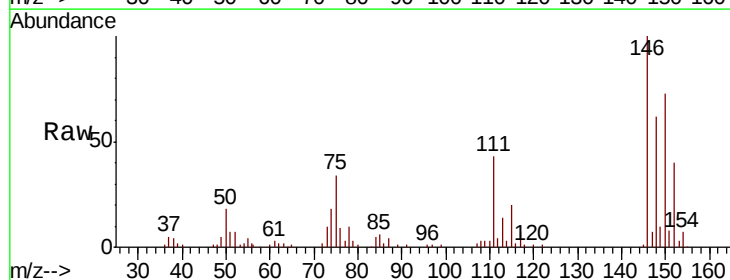
RT: 6.97 min Scan# 830

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Tgt Ion:	146	Resp:	49008
Ion Ratio	Lower	Upper	
146	100		
148	62.4	50.8	76.2
111	42.9	33.6	50.4





#15

Benzyl Alcohol

Concen: 6.476 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

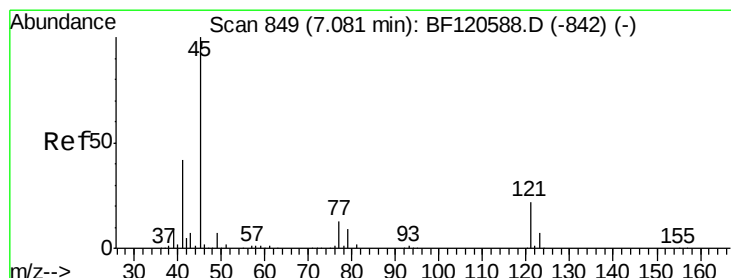
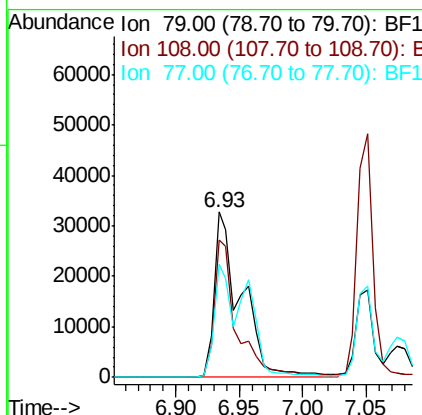
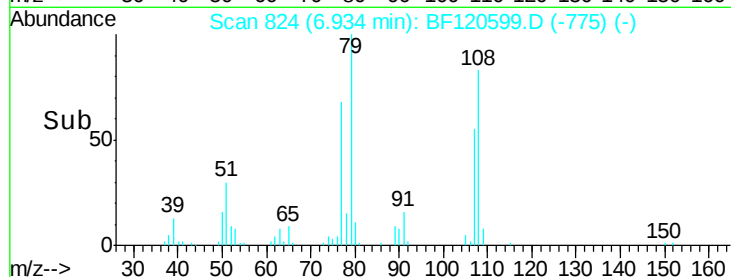
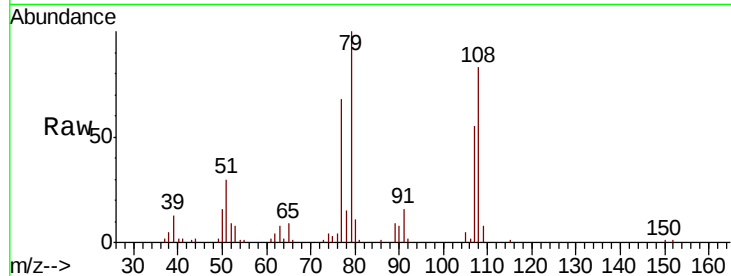
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	79	Resp:	49044
Ion	Ratio	Lower	Upper
79	100		
108	83.4	66.8	100.2
77	68.4	50.6	76.0

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#16

2,2'-oxybis(1-chloropropane)

Concen: 4.931 ng

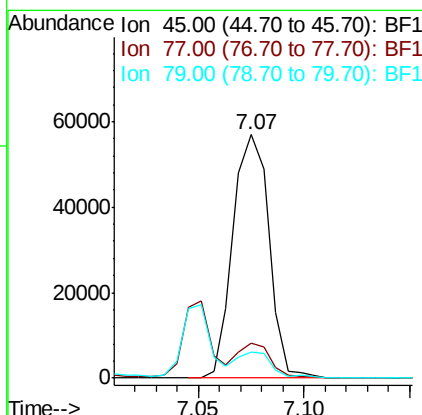
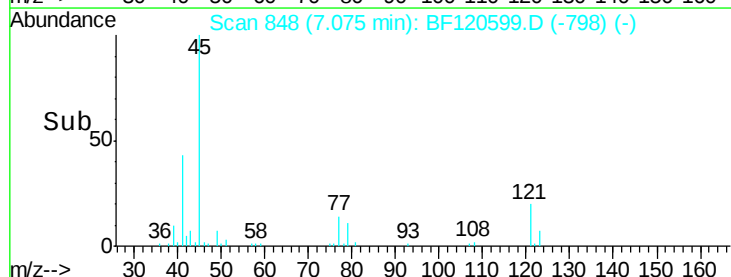
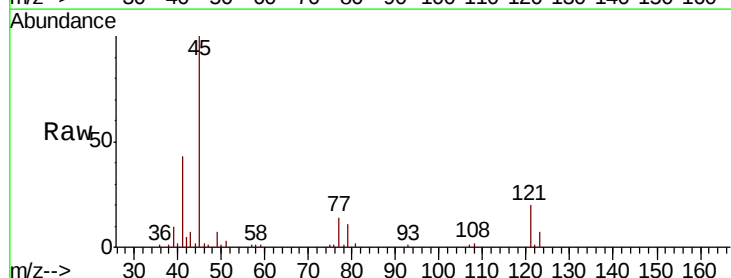
RT: 7.07 min Scan# 848

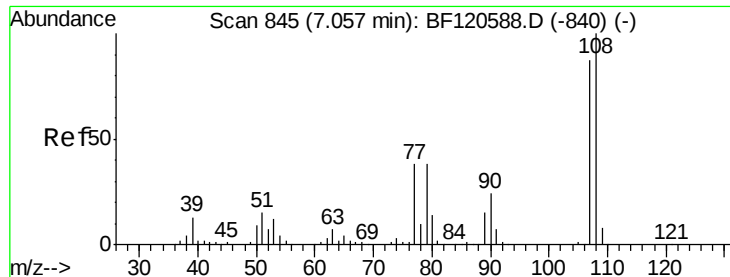
Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Tgt Ion:	45	Resp:	67380
Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	34.2
79	10.8	0.0	30.9





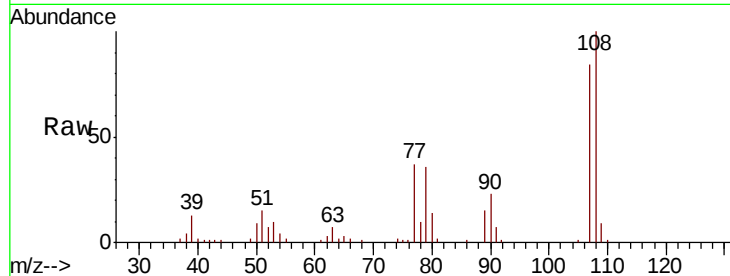
#17
2-Methylphenol
Concen: 4.450 ng
RT: 7.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

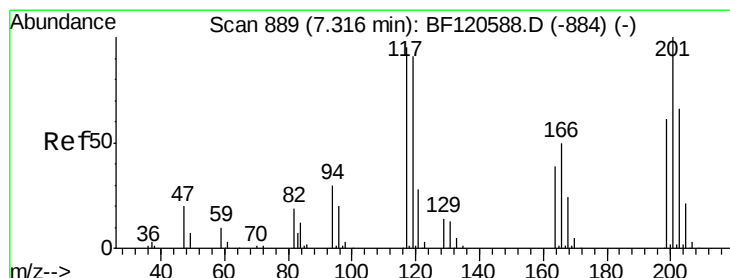
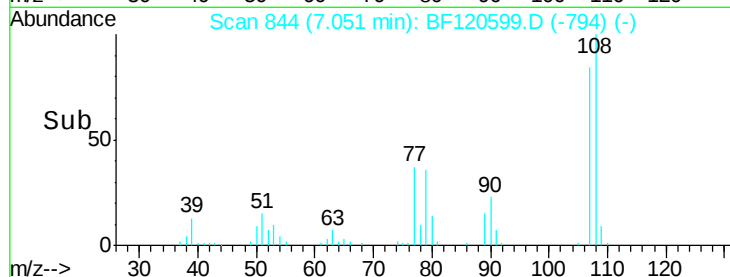
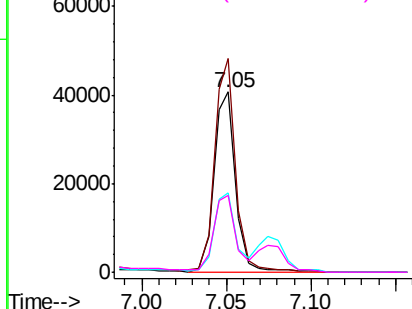
Tot Ion:	107	Resp:	36774
Ion	Ratio	Lower	Upper
107	100		
108	118.5	91.9	137.9
77	44.2	35.4	53.2
79	42.4	34.8	52.2

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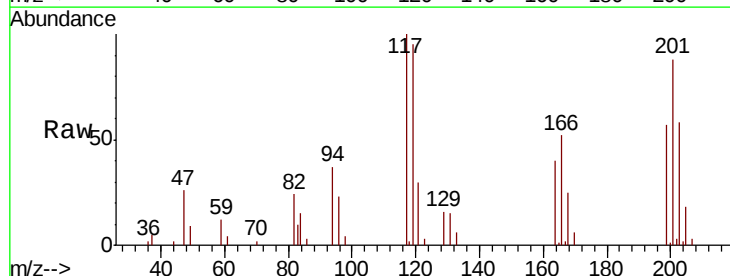


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

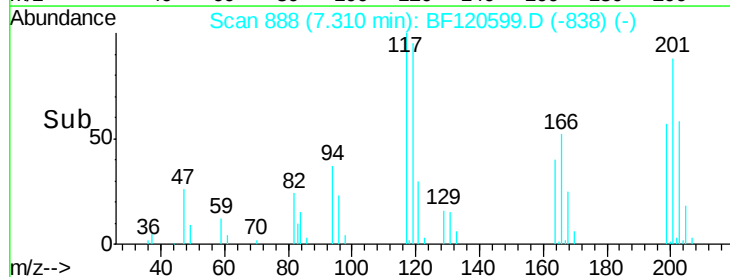
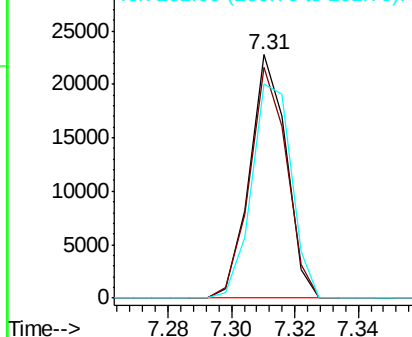


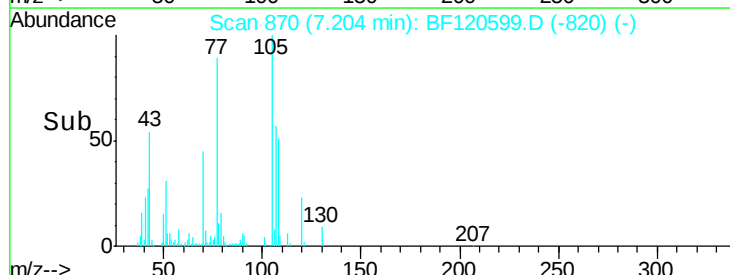
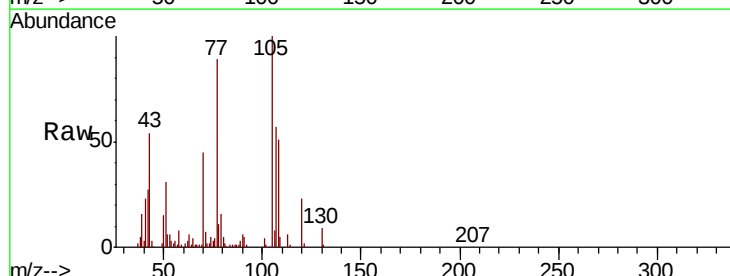
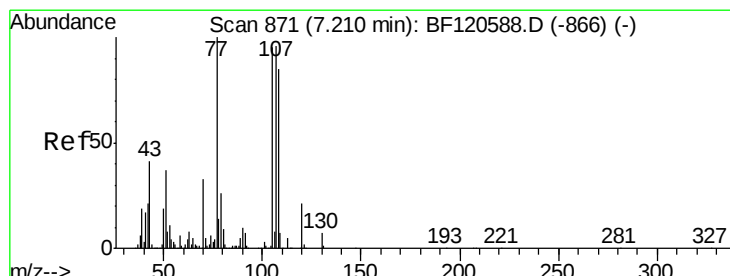
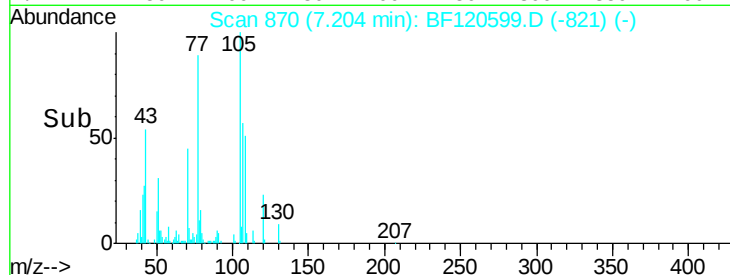
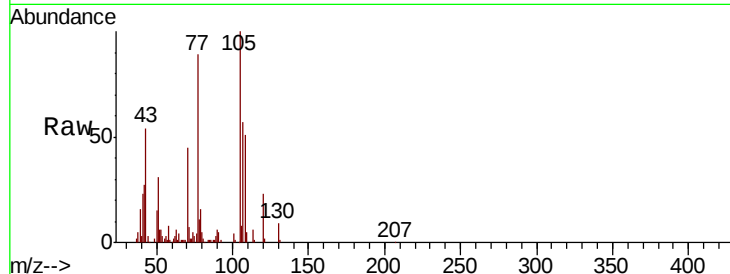
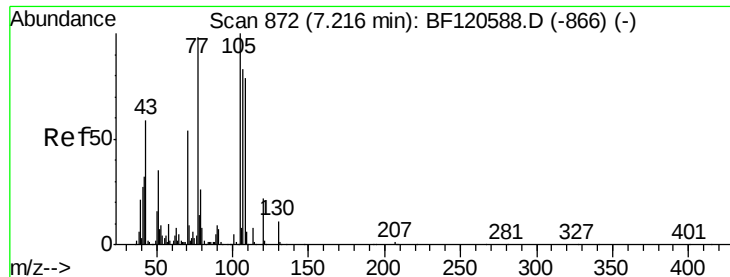
#18
Hexachloroethane
Concen: 4.864 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion:	117	Resp:	18214
Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.9	115.3
201	87.8	84.6	127.0



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





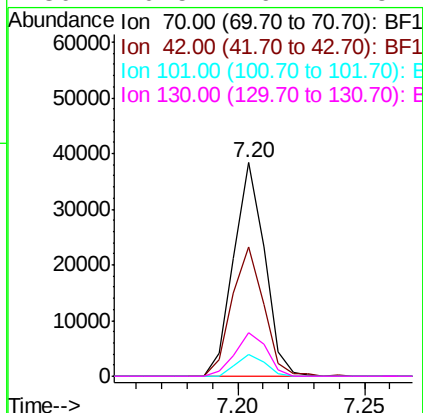
#19
n-Nitroso-di-n-propylamine
Concen: 5.246 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
70	100		
42	60.5	47.7	71.5
101	10.0	7.6	11.4
130	20.5	16.7	25.1

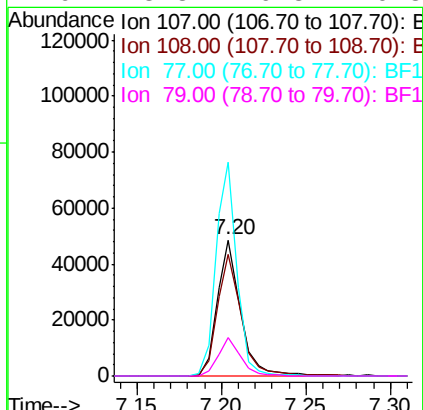
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#20
3+4-Methylphenols
Concen: 4.519 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.7	68.7	108.7
77	157.2	84.2	124.2#
79	28.8	6.8	46.8





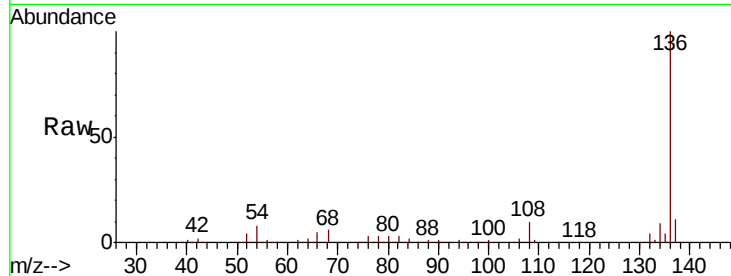
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
136	100	538051		
137	10.9		8.6	13.0
54	7.6		5.8	8.6
68	5.8		4.4	6.6

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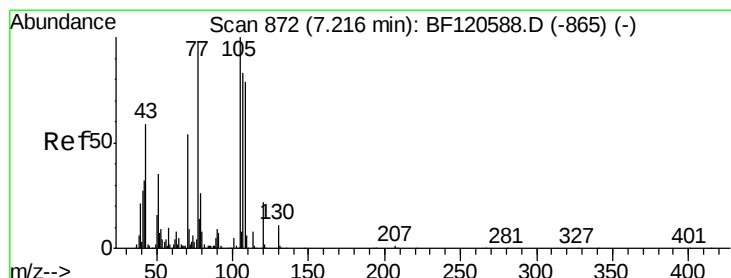
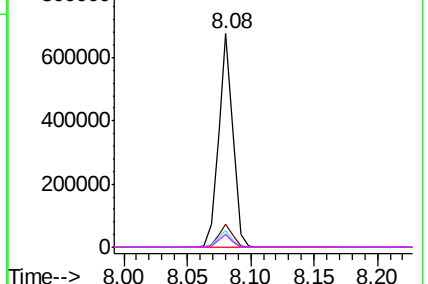
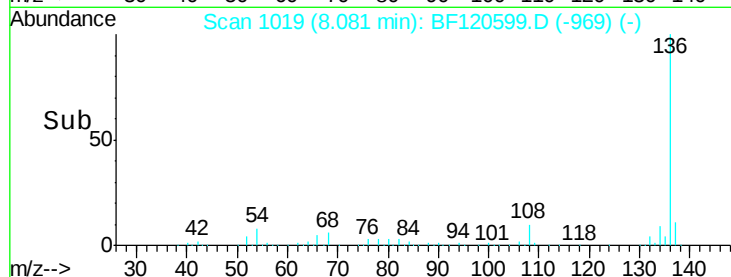
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

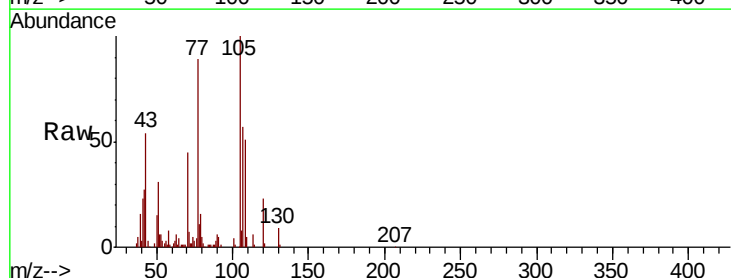
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 5.731 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	68940		
71	7.4		7.2	10.8
51	31.4		27.8	41.8
120	22.5		18.0	27.0



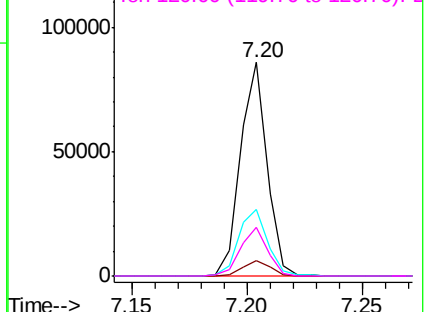
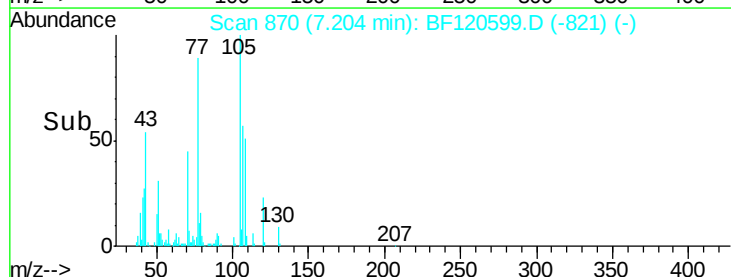
Abundance

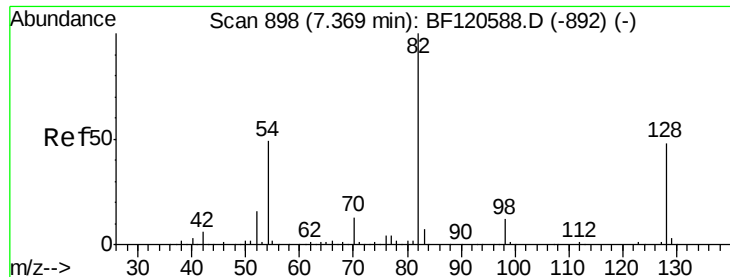
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





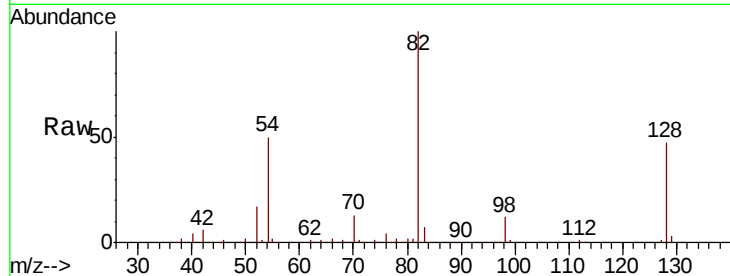
#23
Nitrobenzene-d5
Concen: 98.188 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

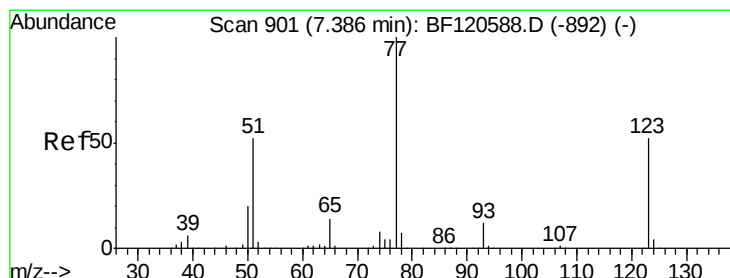
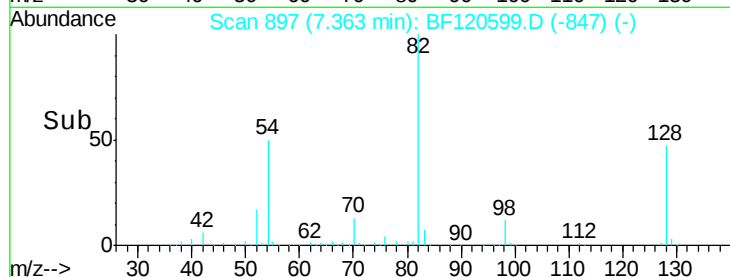
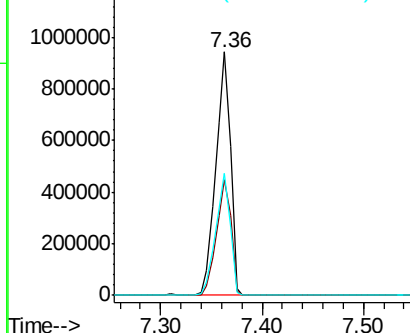
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.4	38.0	57.0
54	50.0	38.8	58.2

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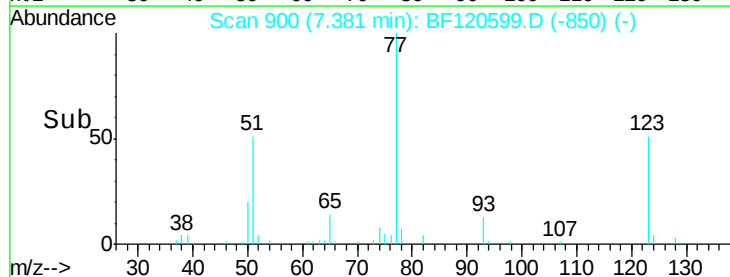
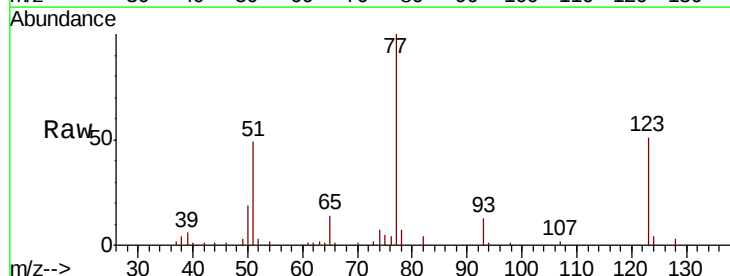
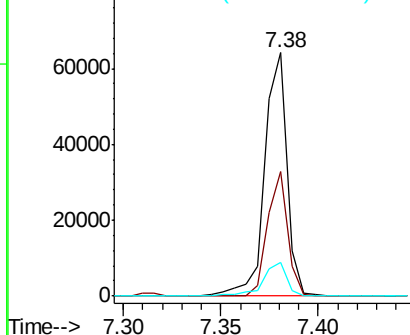
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#24
Nitrobenzene
Concen: 5.058 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.2	41.4	62.0
65	13.6	11.0	16.4

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





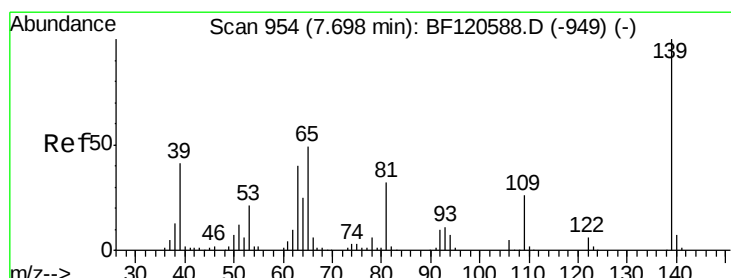
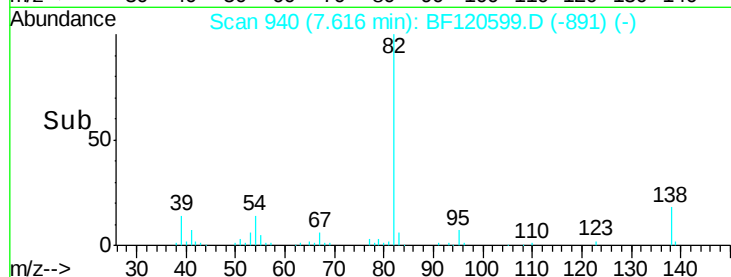
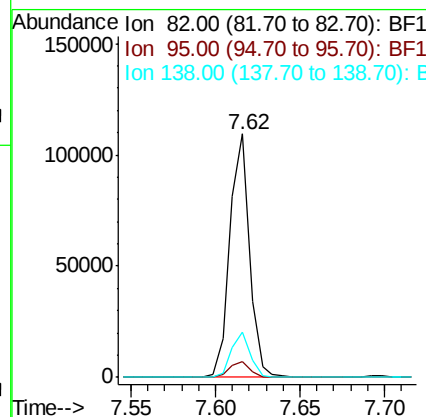
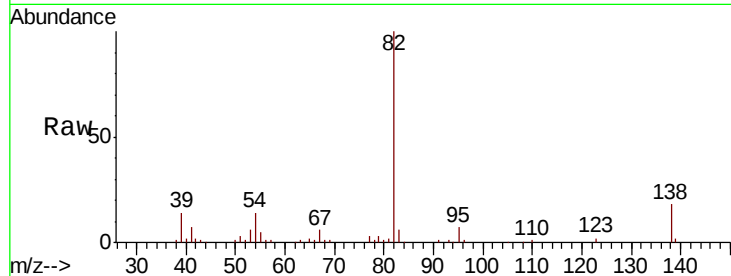
#25
Isophorone
Concen: 4.739 ng
RT: 7.62 min Scan# 940
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	6.6	5.7	8.5	
138	18.4	16.2	24.4	

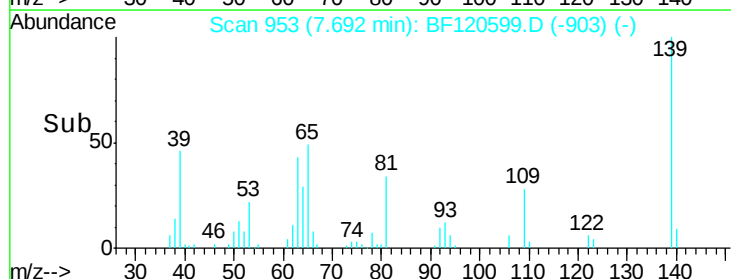
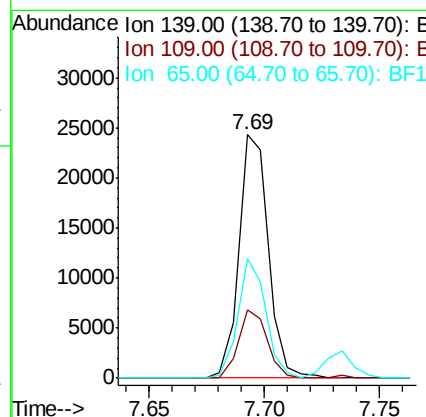
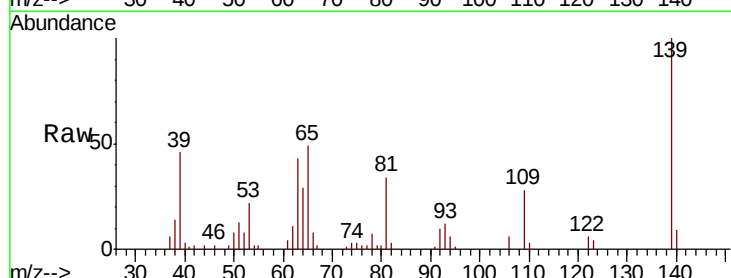
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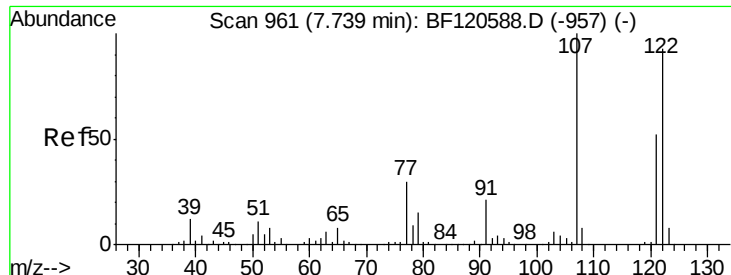
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#26
2-Nitrophenol
Concen: 4.056 ng
RT: 7.69 min Scan# 953
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	27.9	21.1	31.7	
65	49.2	39.4	59.0	





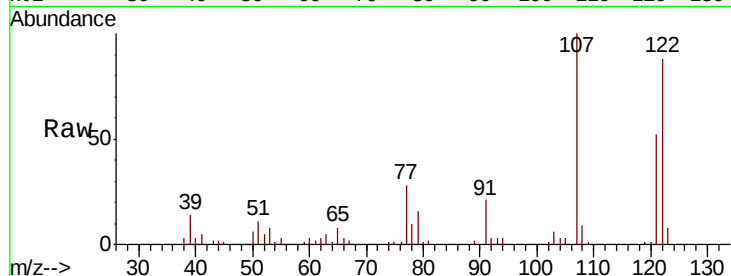
#27
2,4-Dimethylphenol
Concen: 3.162 ng
RT: 7.73 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
122	100		
107	113.4	86.4	129.6
121	59.1	45.2	67.8

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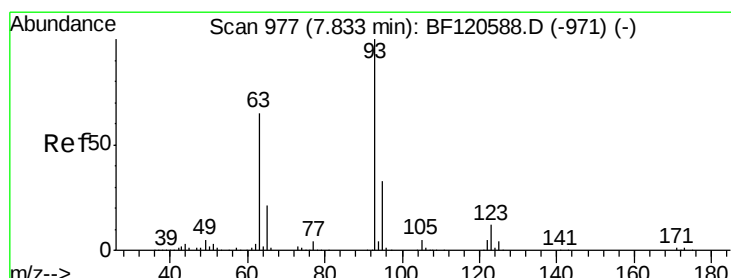
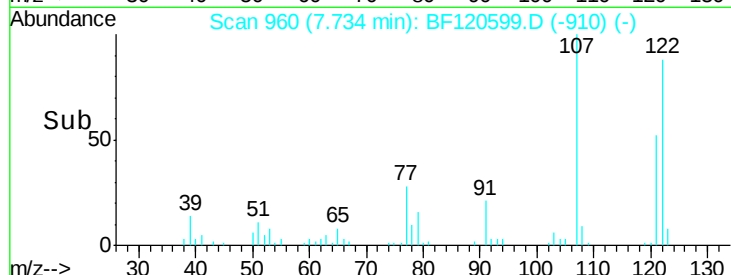
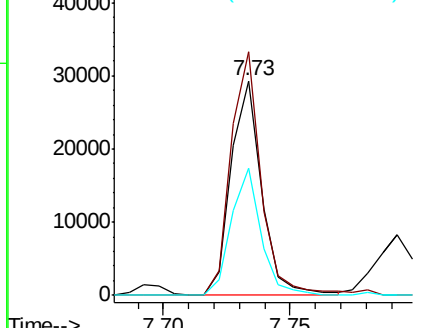


Abundance

Ion 122.00 (121.70 to 122.70): E

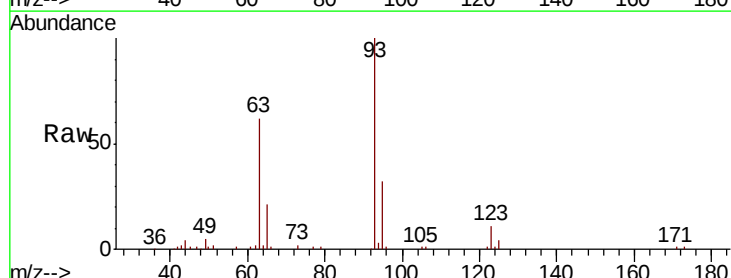
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
bis(2-Chloroethoxy)methane
Concen: 5.254 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.4
123	11.5	9.5	14.3

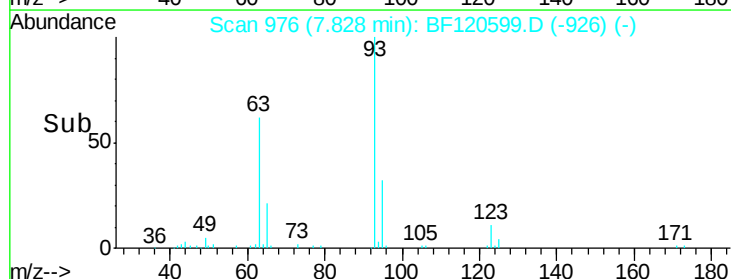
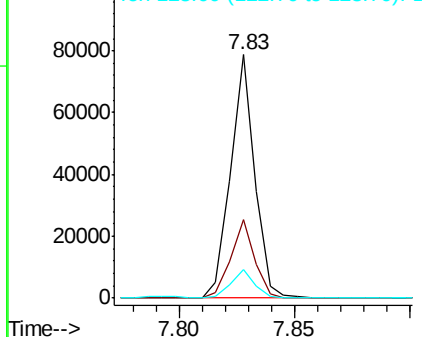


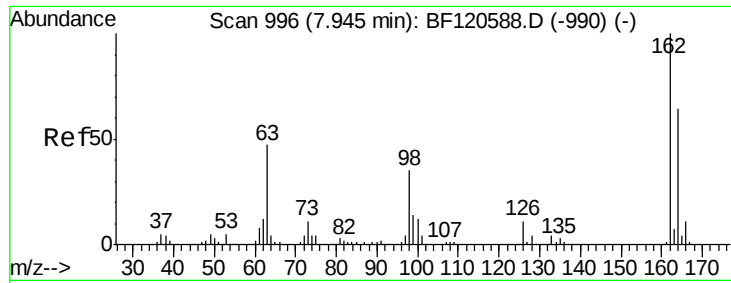
Abundance

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





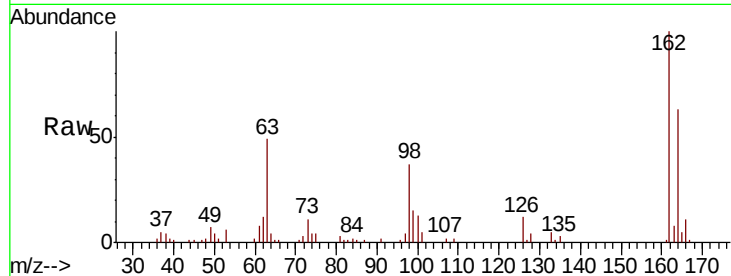
#29
2,4-Dichlorophenol
Concen: 4.589 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.0	44.1	84.1
98	36.6	14.7	54.7

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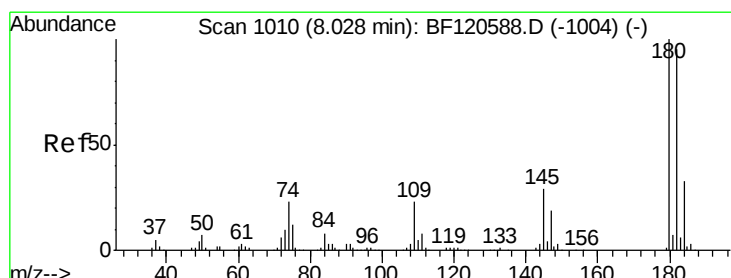
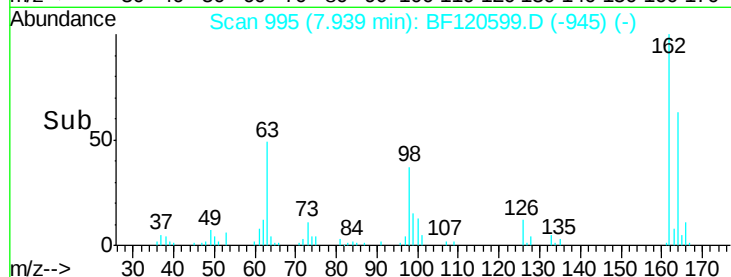
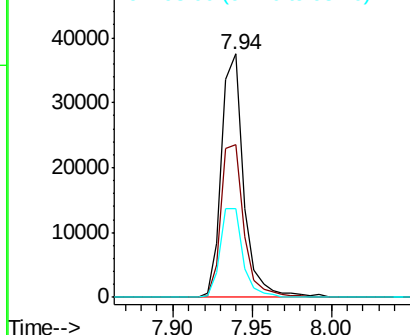


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 4.870 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

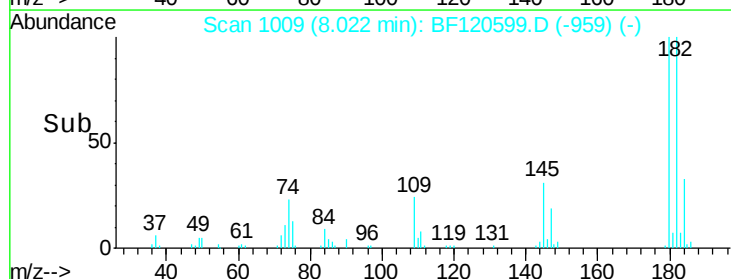
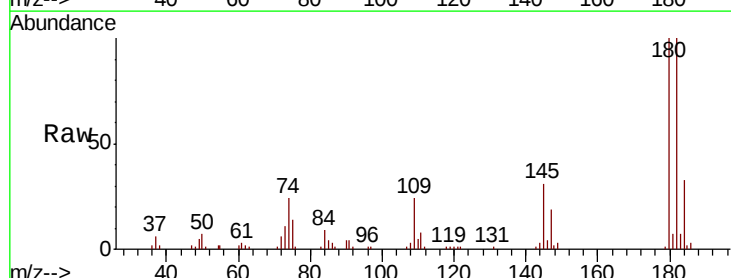
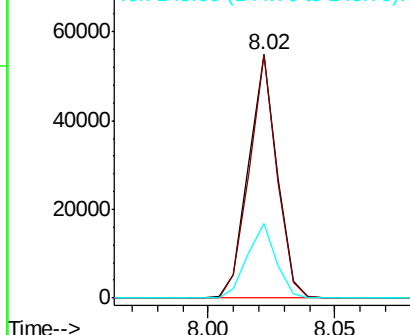
Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.8	75.8	113.6
145	30.9	23.0	34.6

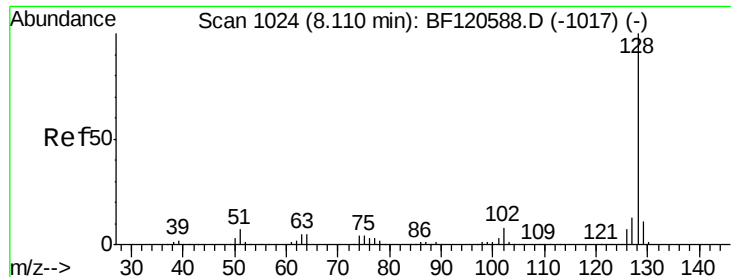
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





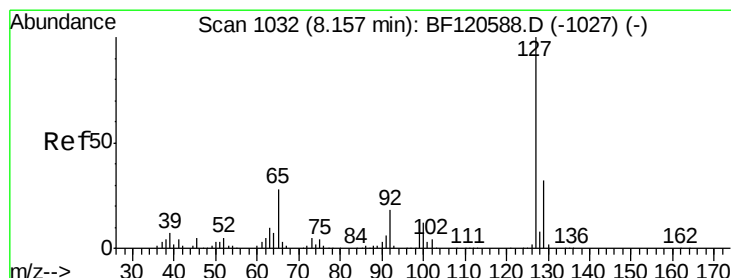
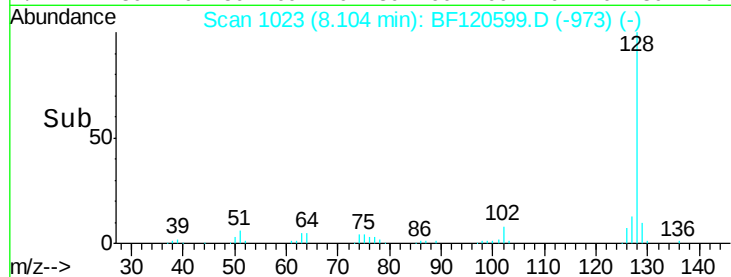
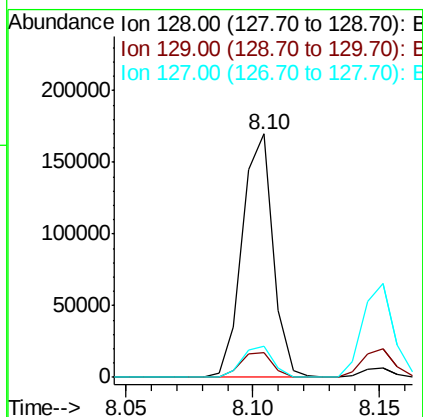
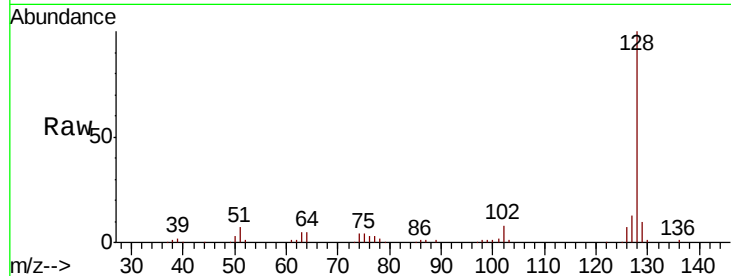
#31
Naphthalene
Concen: 5.426 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.8	13.2
127	12.7	10.6	15.8

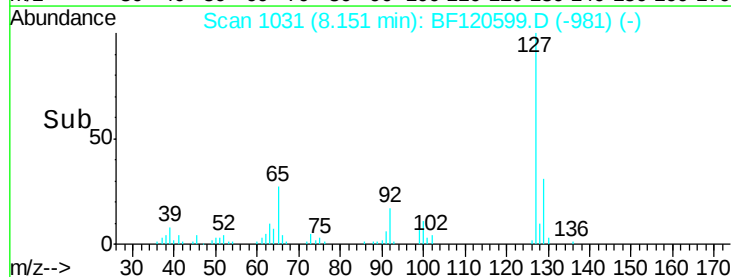
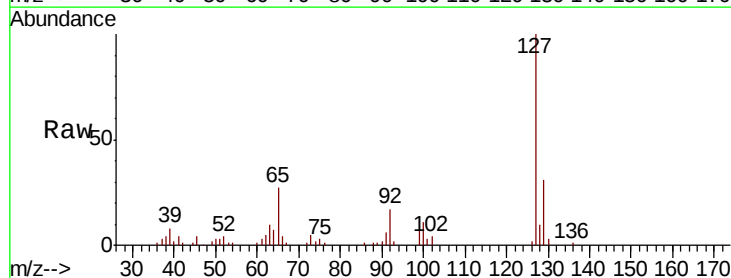
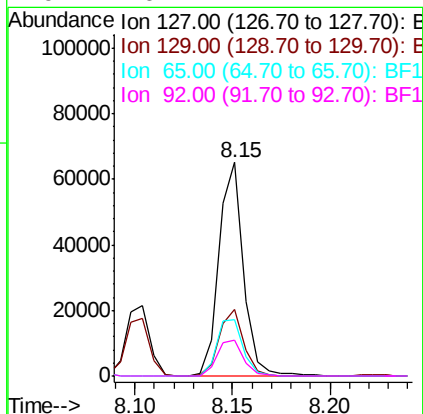
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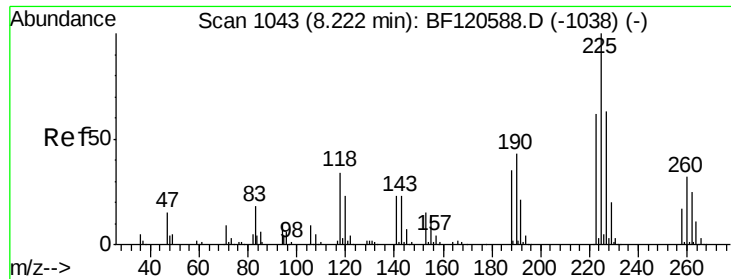
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#33
4-Chloroaniline
Concen: 4.676 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
127	100		
129	30.9	25.9	38.9
65	26.5	22.2	33.4
92	16.7	14.2	21.2





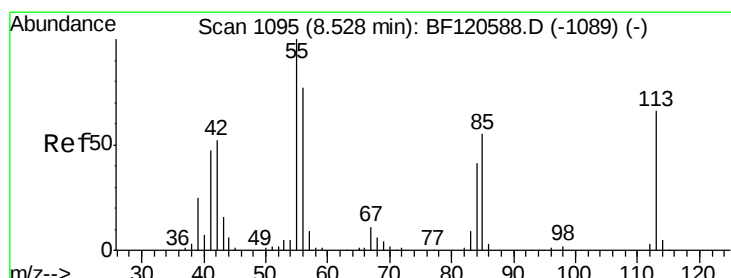
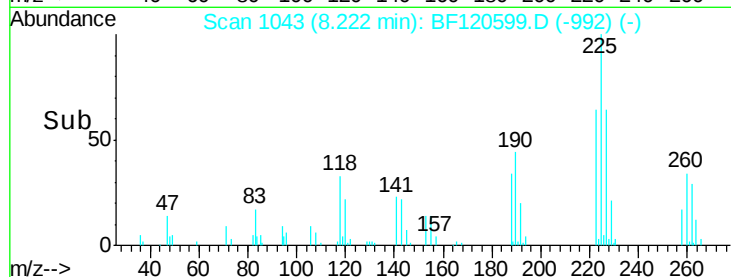
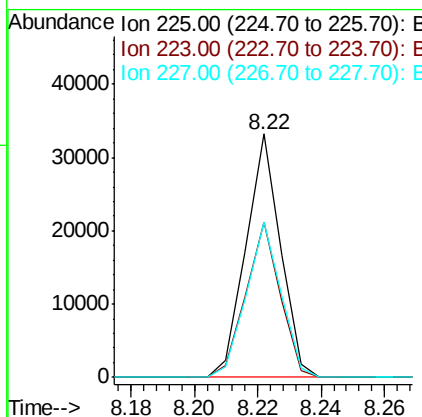
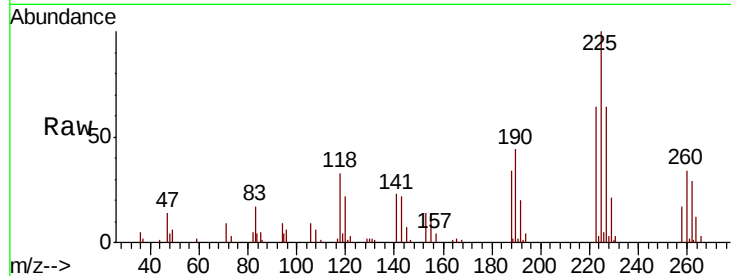
#34
Hexachlorobutadiene
Concen: 4.875 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	225	Resp:	25115
Ion Ratio	Lower	Upper	
225	100		
223	63.6	49.9	74.9
227	63.5	50.5	75.7

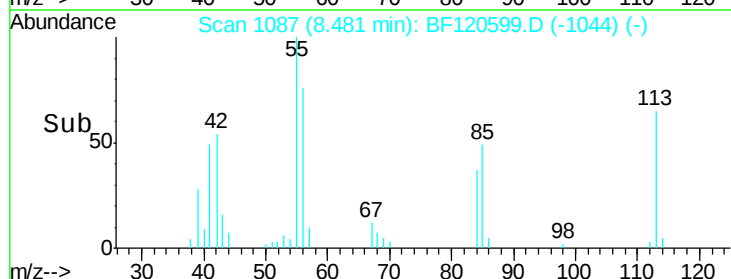
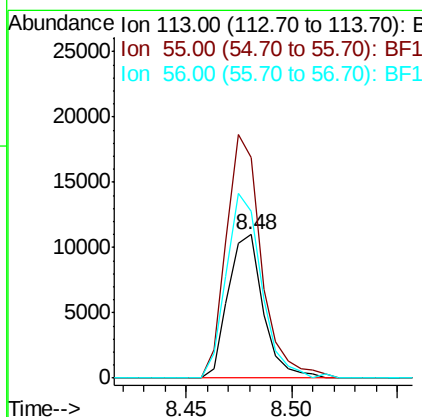
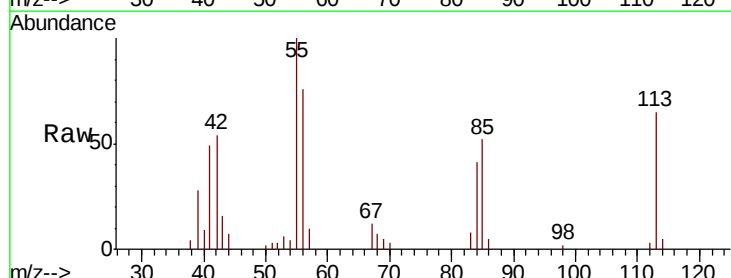
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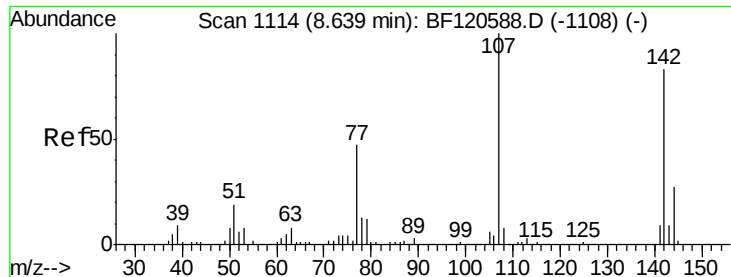
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#35
Caprolactam
Concen: 4.945 ng
RT: 8.48 min Scan# 1087
Delta R.T. -0.05 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion:	113	Resp:	12615
Ion Ratio	Lower	Upper	
113	100		
55	153.6	133.1	173.1
56	116.5	98.4	138.4





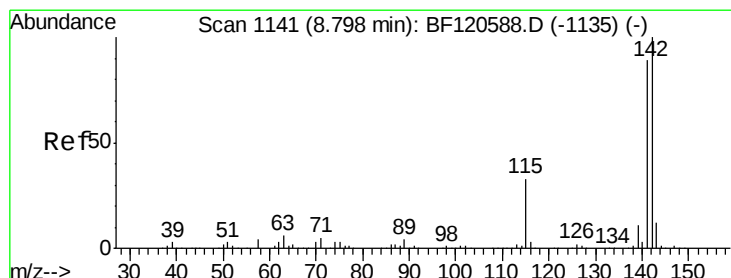
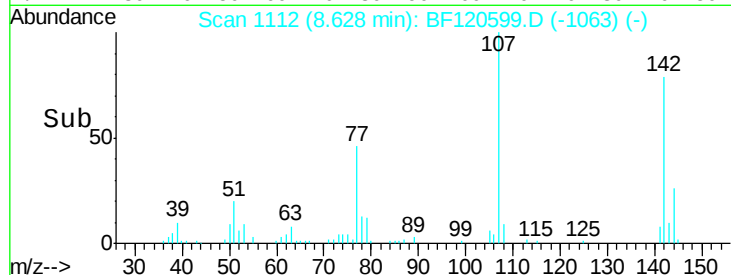
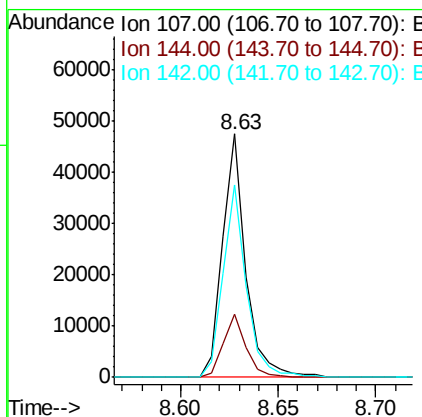
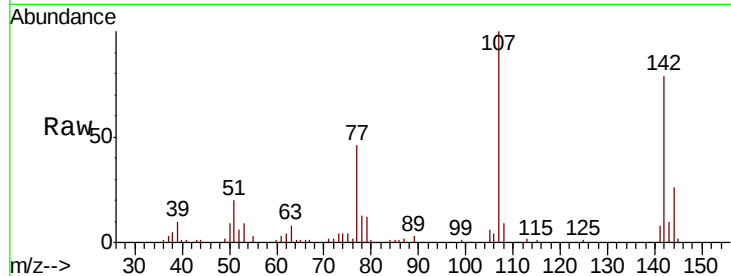
#36
 4-Chloro-3-methylphenol
 Concen: 4.893 ng
 RT: 8.63 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
107	100		
144	25.9	21.4	32.2
142	78.9	66.3	99.5

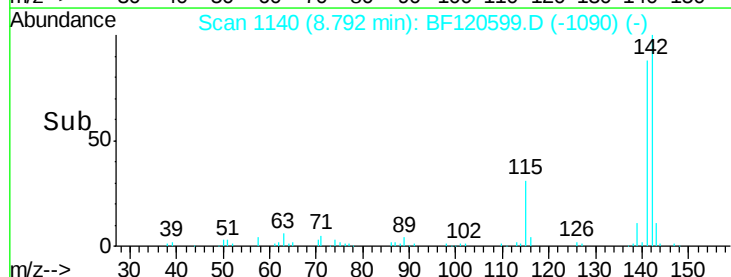
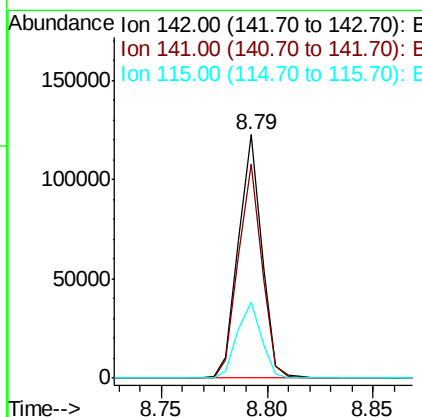
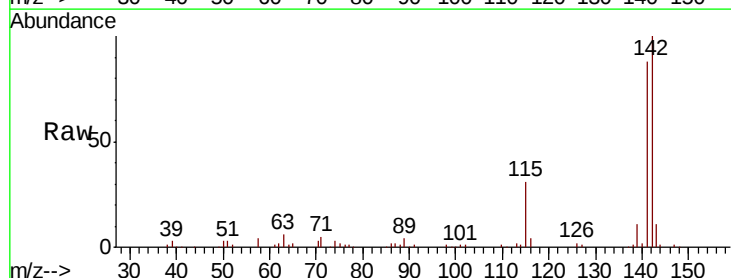
Manual Integrations
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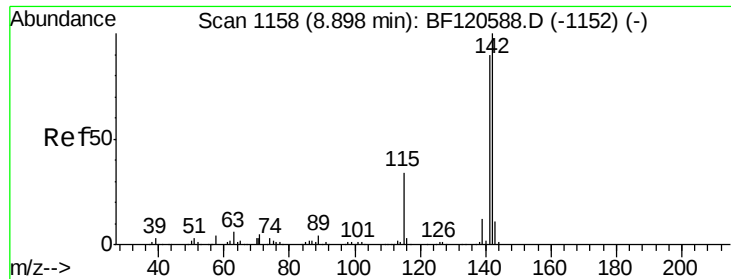
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#37
 2-Methylnaphthalene
 Concen: 5.449 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.4	107.0
115	31.2	26.1	39.1





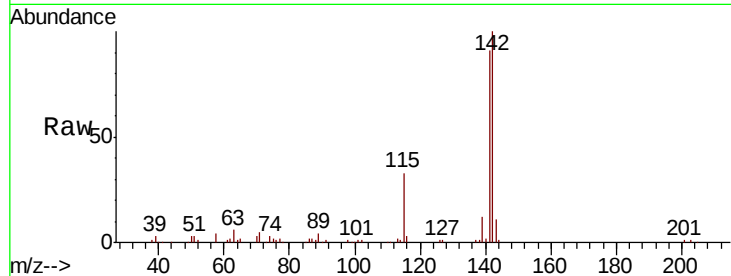
#38
1-Methylnaphthalene
Concen: 5.220 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.1	108.1
116	3.5	2.7	4.1

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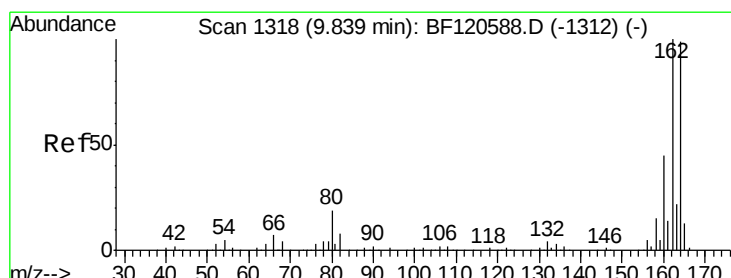
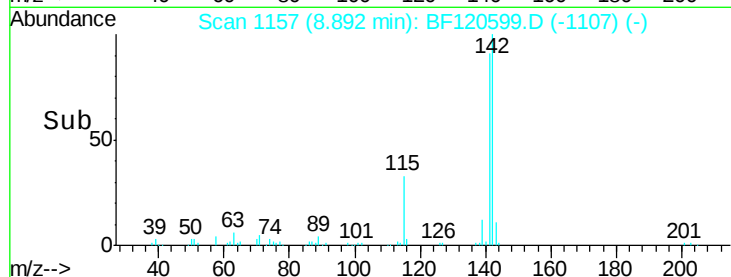
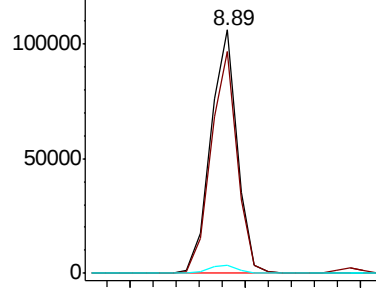


Abundance

Ion 142.00 (141.70 to 142.70): E

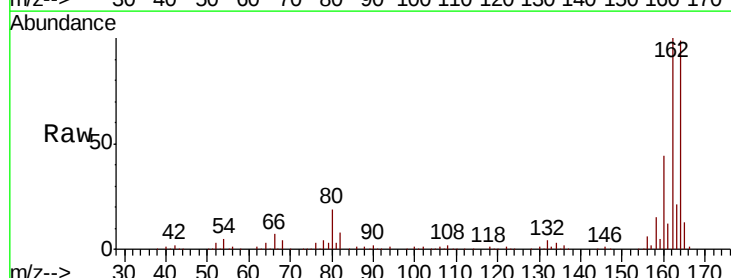
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	44.7	36.2	54.2

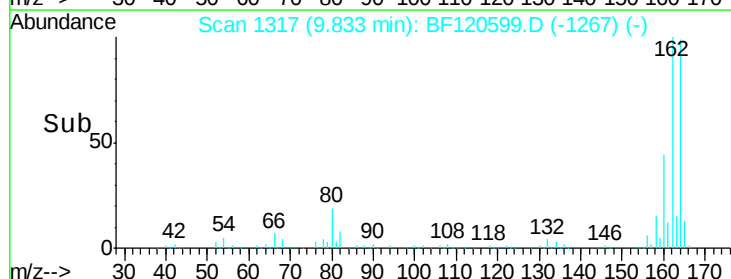
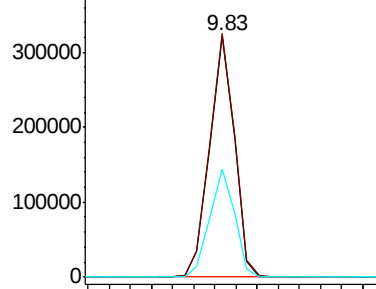


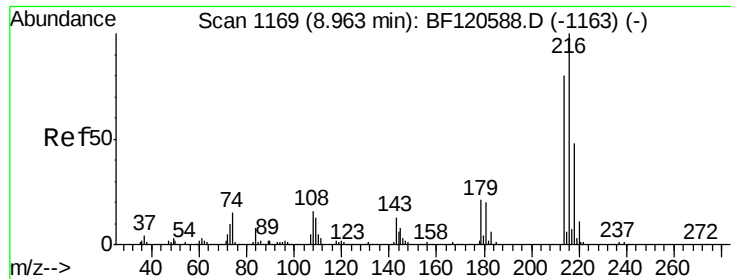
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





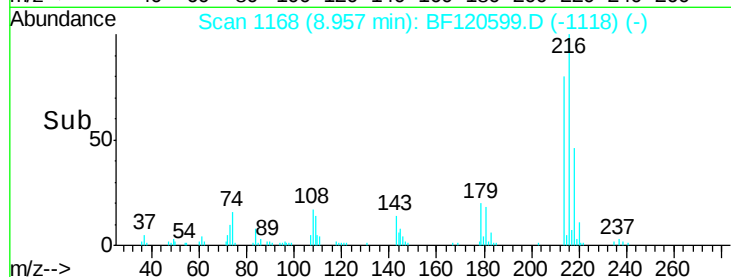
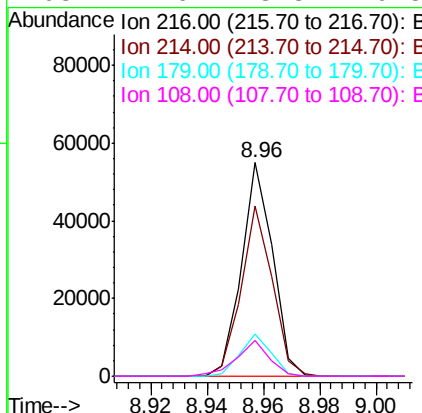
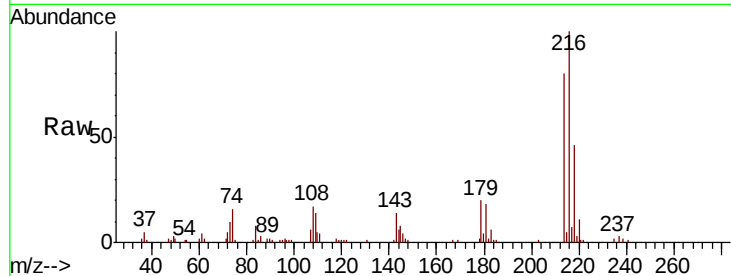
#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 5.424 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		42062		
214	79.7	63.8	95.6		
179	20.2	16.4	24.6		
108	17.6	13.8	20.8		

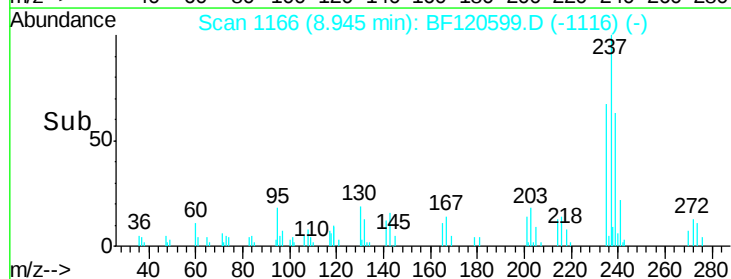
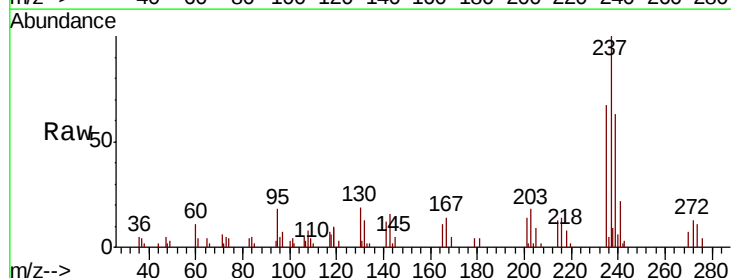
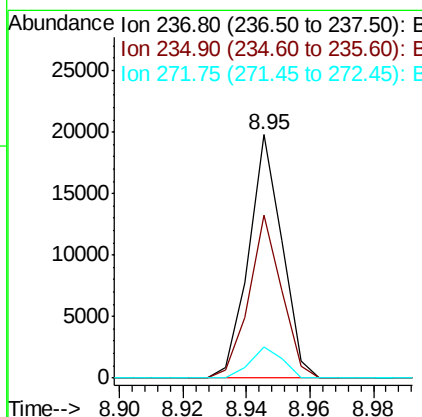
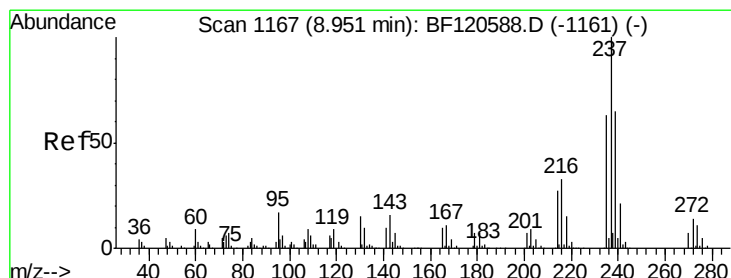
Manual Integrations
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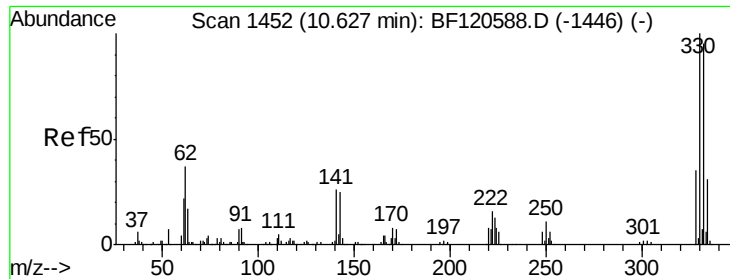
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#41
 Hexachlorocyclopentadiene
 Concen: 3.327 ng
 RT: 8.95 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		14457		
235	67.2	43.2	83.2		
272	12.8	0.0	33.9		





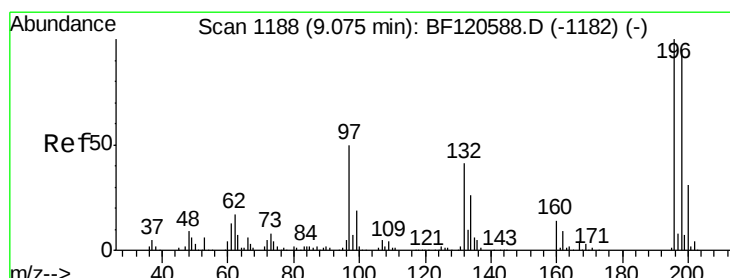
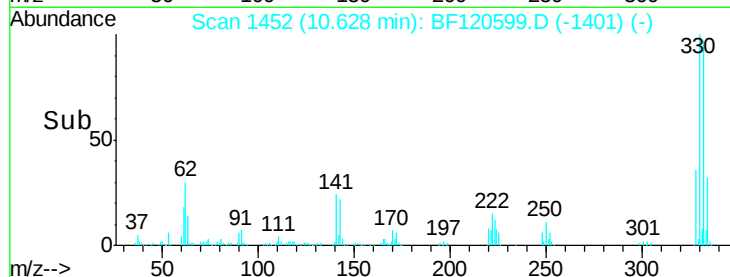
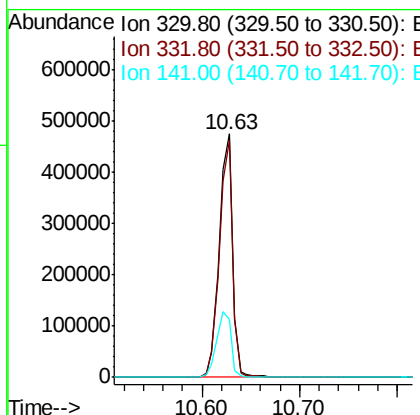
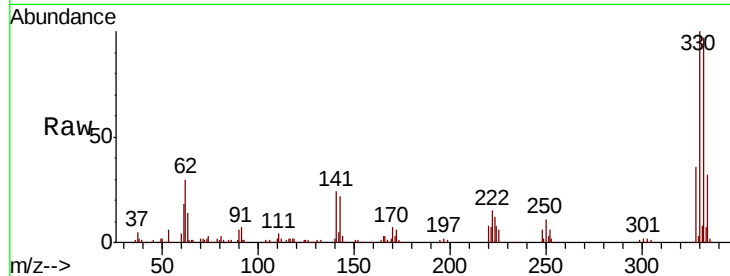
#42
 2,4,6-Tribromophenol
 Concen: 150.296 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.8	115.2
141	29.2	23.2	34.8

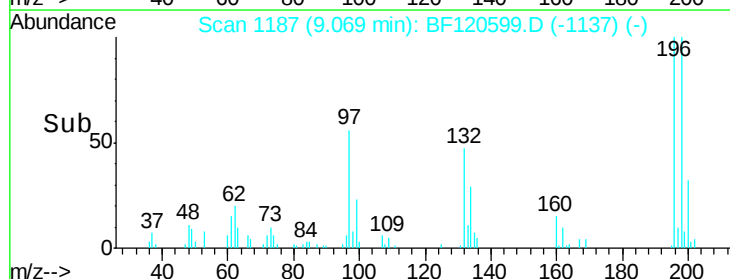
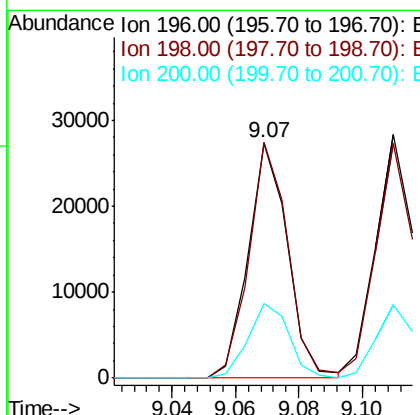
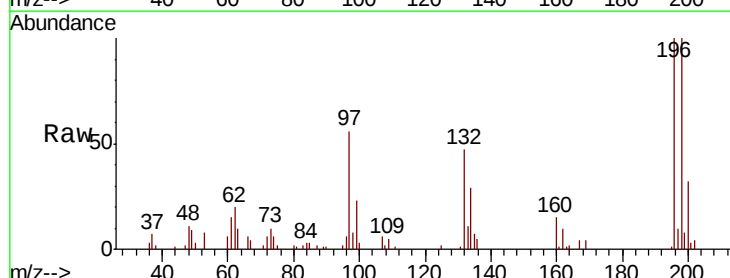
Manual Integrations
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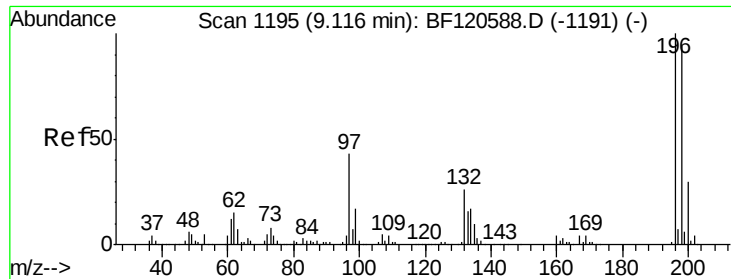
mohammad
 6/15/2020 8:42:44 AM



#43
 2,4,6-Trichlorophenol
 Concen: 4.284 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
196	100		
198	100.4	76.2	114.2
200	31.8	24.6	37.0





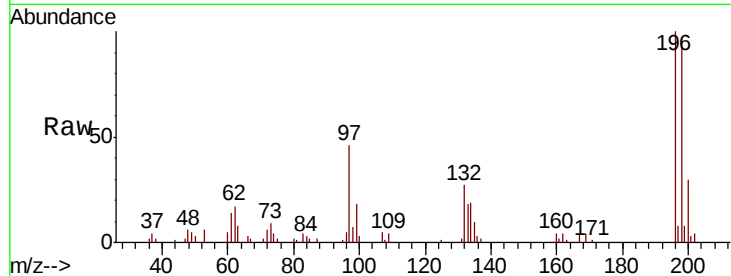
#44
2,4,5-Trichlorophenol
Concen: 4.171 ng
RT: 9.11 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		26031		
198	96.5	75.5	113.3		
97	46.3	34.4	51.6		
132	27.1	20.7	31.1		

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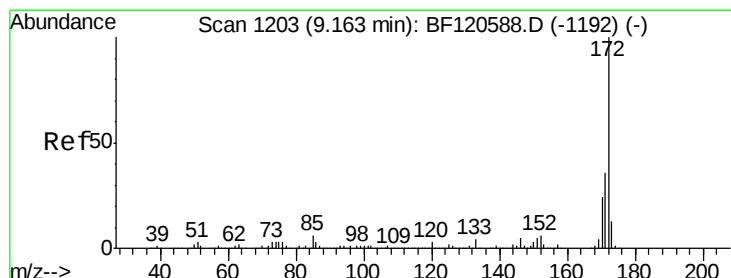
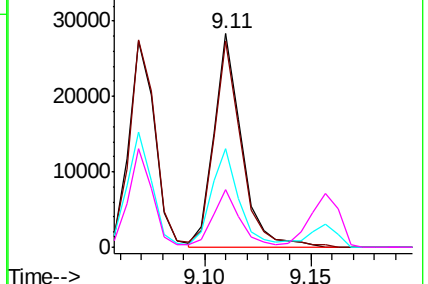
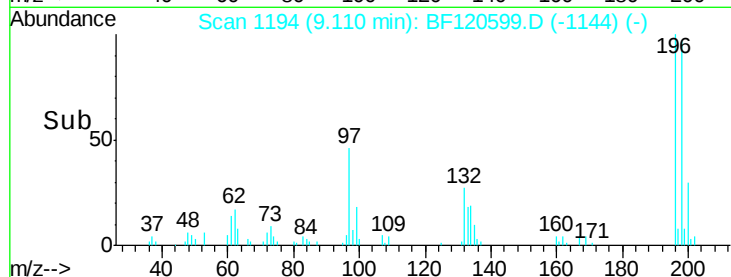
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

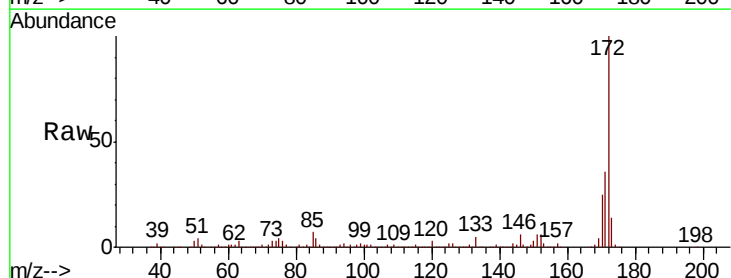
Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#45
2-Fluorobiphenyl
Concen: 93.386 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1585203		
171	36.3	29.0	43.4		
170	24.5	19.4	29.2		

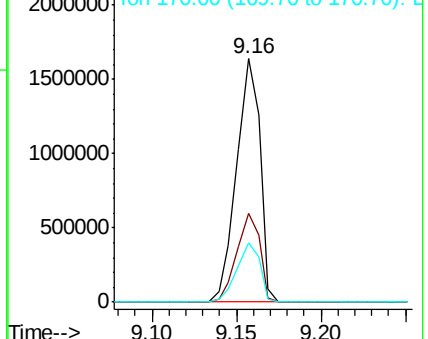
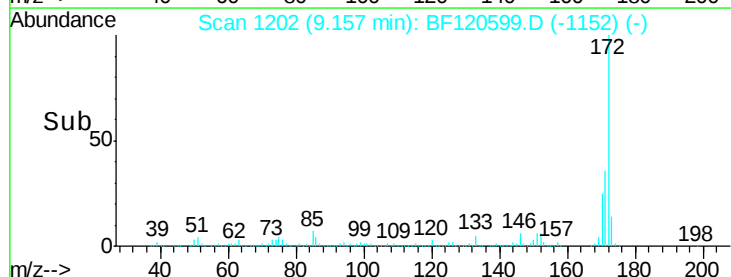


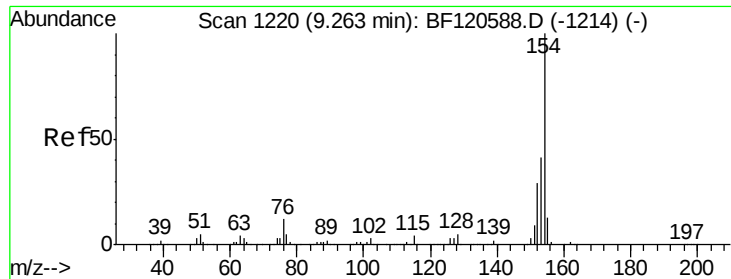
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





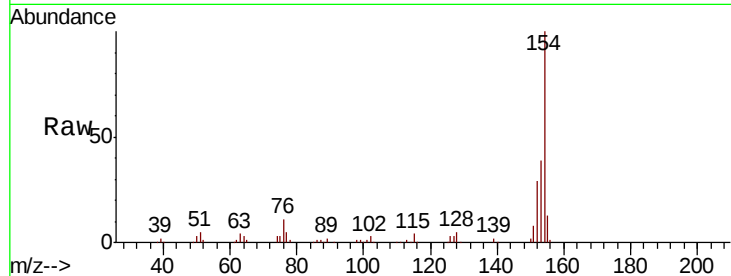
#46
1,1'-Biphenyl
Concen: 5.931 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

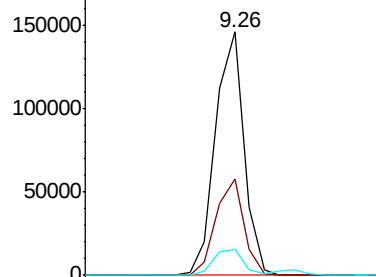
Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	39.4	21.4	61.4	
76	10.6	0.0	31.6	

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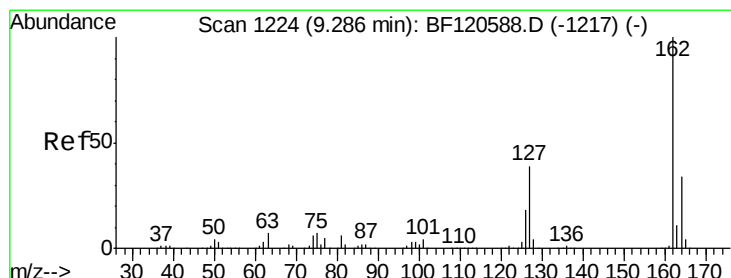
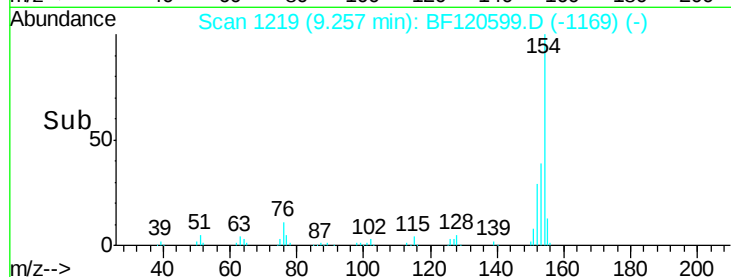
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

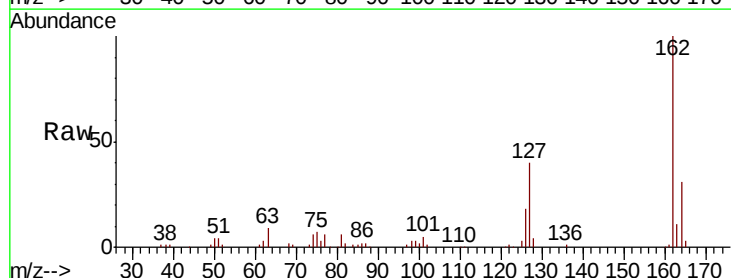


Time--> 9.20 9.25 9.30

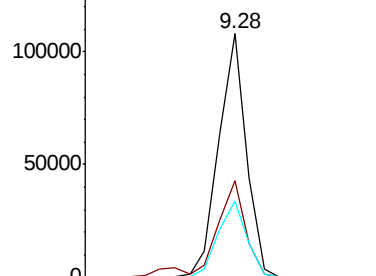


#47
2-Chloronaphthalene
Concen: 5.161 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

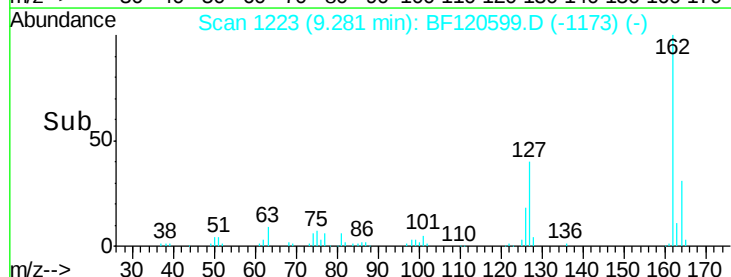
Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
127	39.7	31.3	46.9	
164	31.3	26.9	40.3	

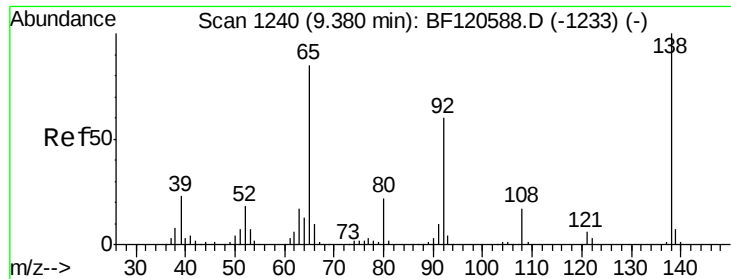


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E



Time--> 9.25 9.30





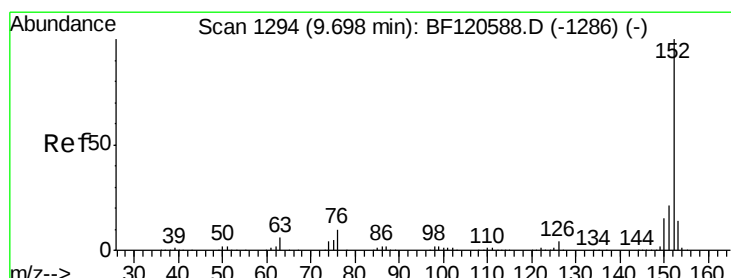
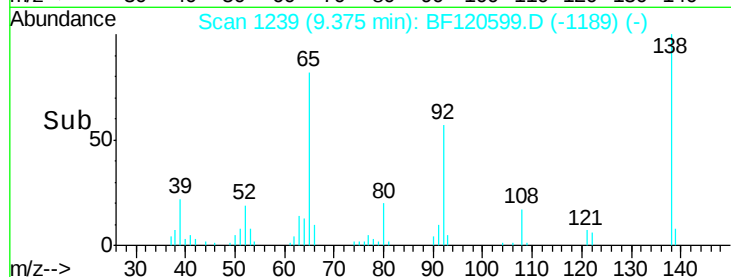
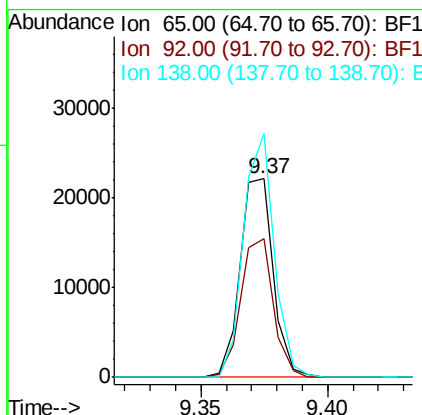
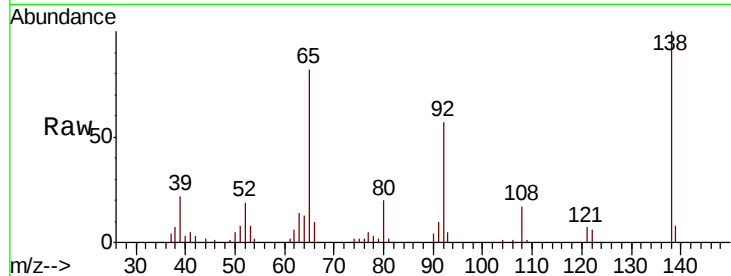
#48
2-Nitroaniline
Concen: 4.050 ng
RT: 9.37 min Scan# 1239
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
65	100		
92	69.7	56.0	84.0
138	122.5	94.0	141.0

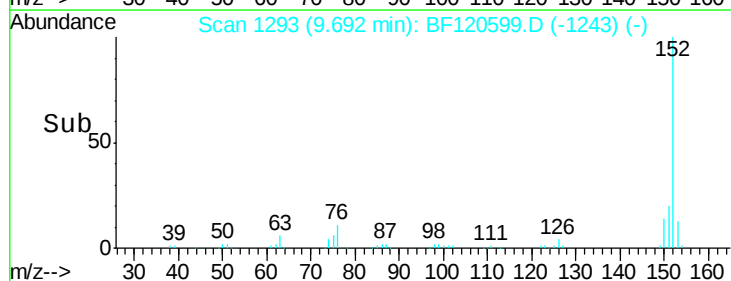
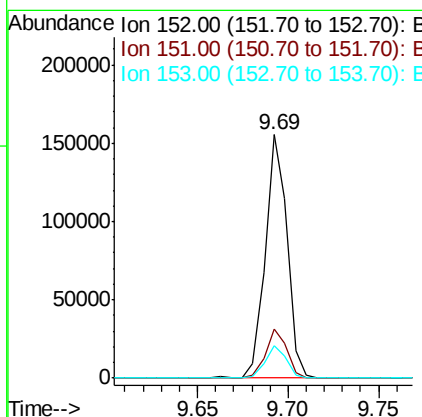
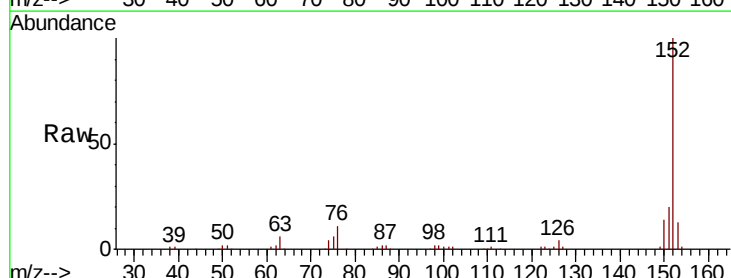
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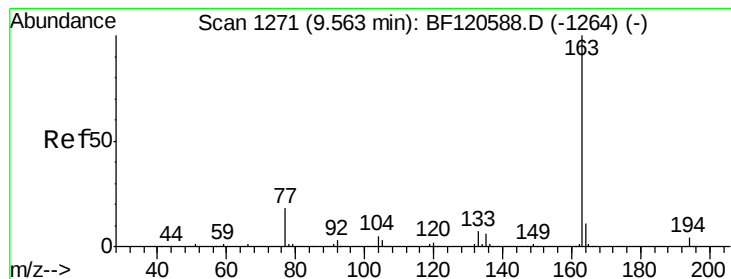
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#49
Acenaphthylene
Concen: 5.311 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.6	25.0
153	13.2	11.0	16.6





#50

Dimethylphthalate

Concen: 5.081 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

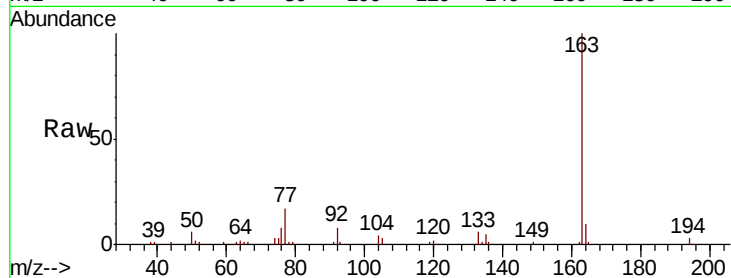
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

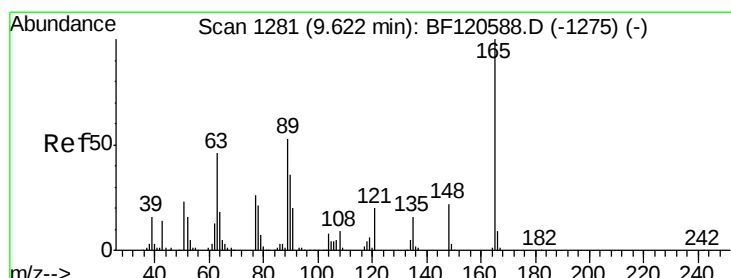
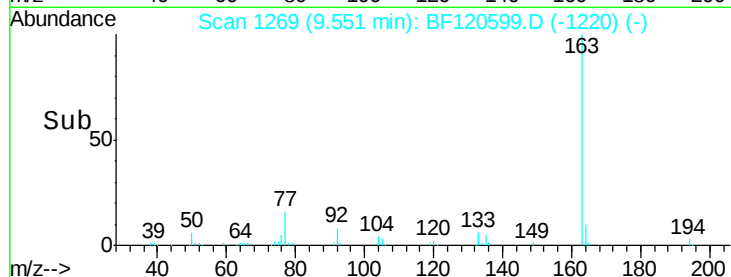
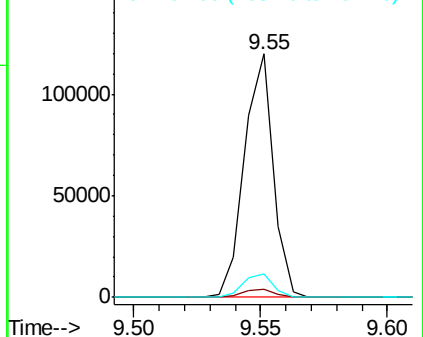
Tot Ion:	163	Resp:	95035
Ion Ratio	Lower	Upper	
163	100		
194	3.5	3.1	4.7
164	9.8	8.5	12.7

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 4.221 ng

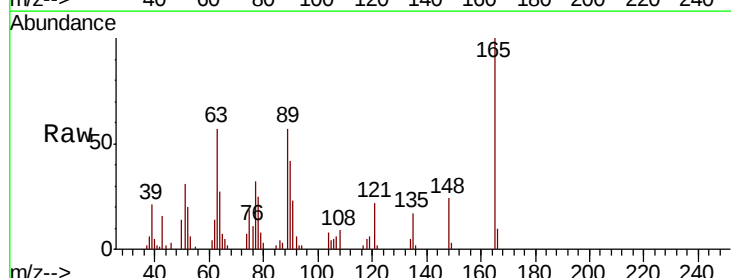
RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

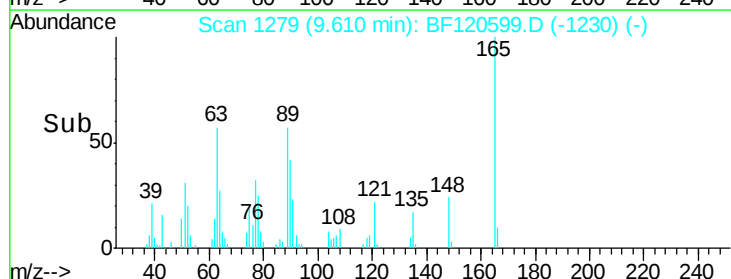
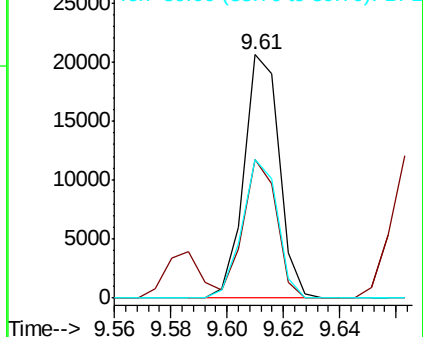
Lab File: BF120599.D

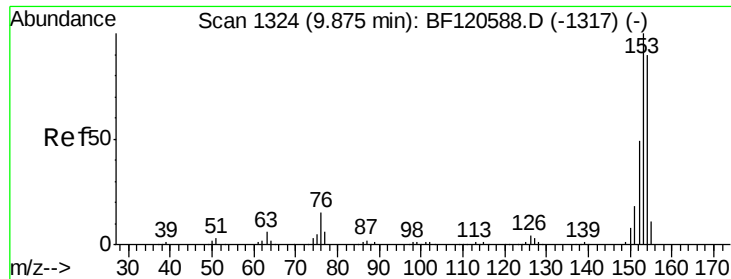
Acq: 11 Jun 2020 13:32

Tgt Ion:	165	Resp:	17893
Ion Ratio	Lower	Upper	
165	100		
63	57.1	41.7	62.5
89	56.8	42.6	64.0



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





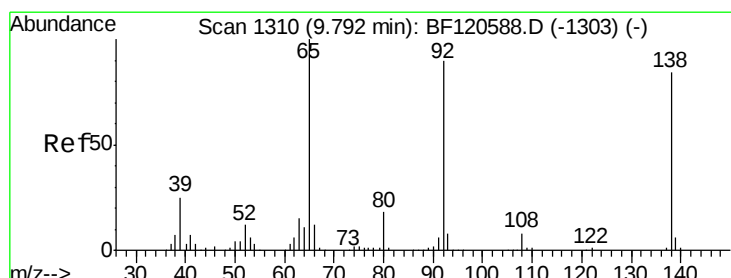
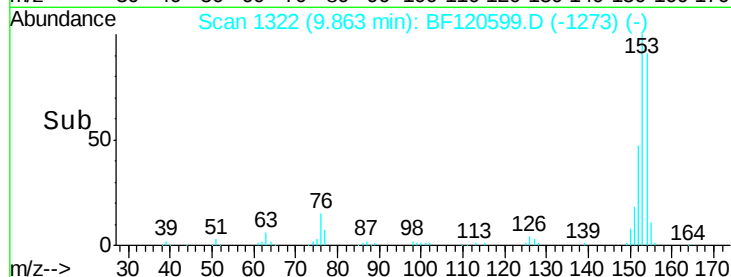
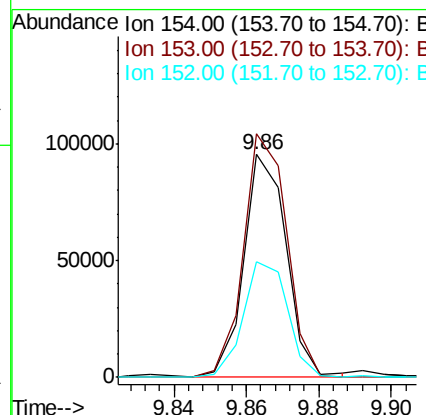
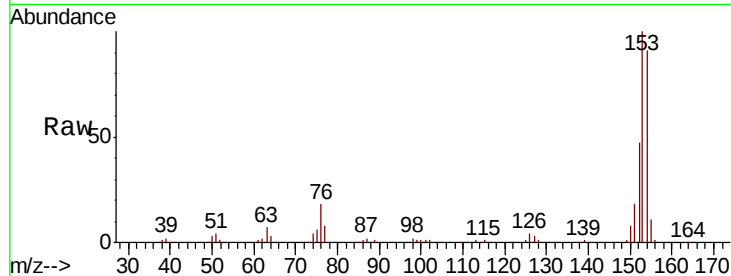
#52
Acenaphthene
Concen: 5.320 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
154	100		
153	109.3	89.1	133.7
152	51.8	43.7	65.5

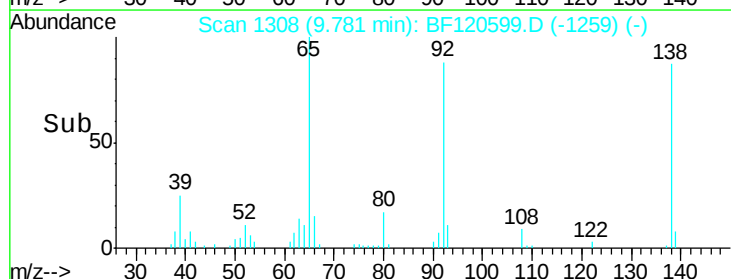
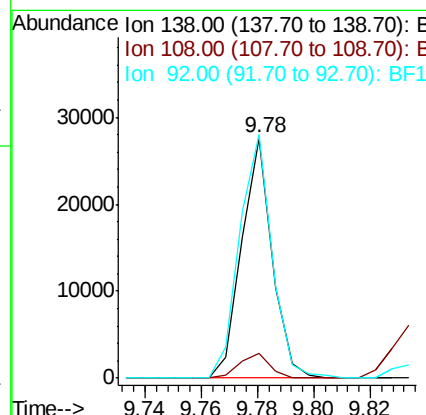
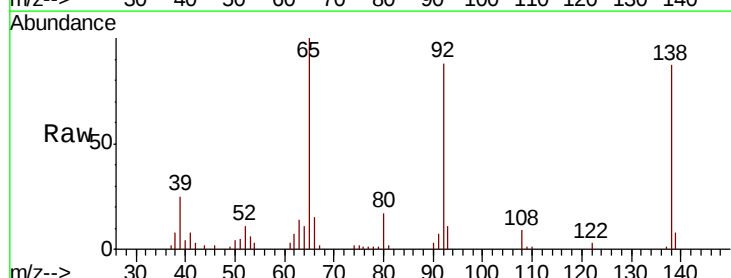
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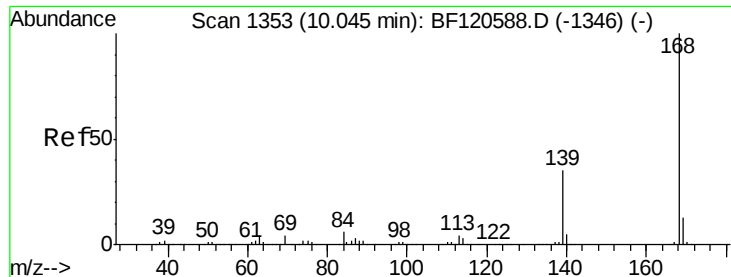
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#53
3-Nitroaniline
Concen: 4.059 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.0	12.0
92	101.5	86.0	129.0





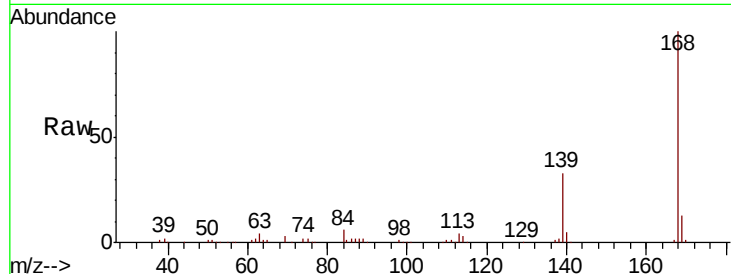
#55
Dibenzenofuran
Concen: 5.592 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

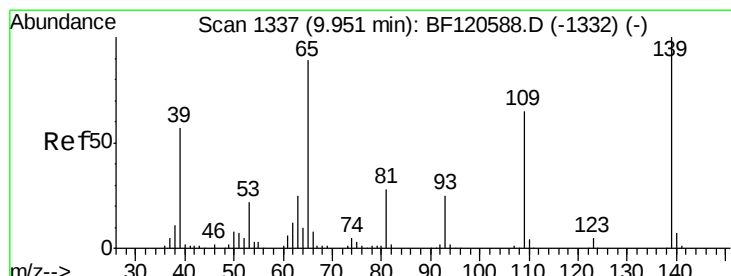
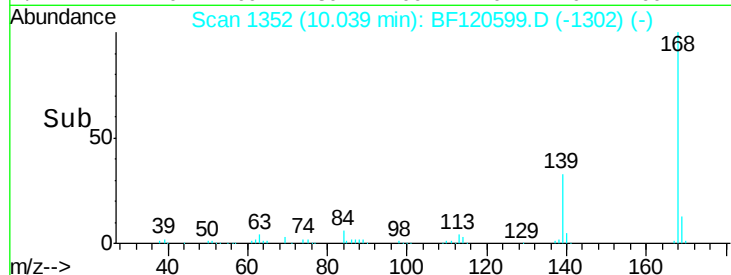
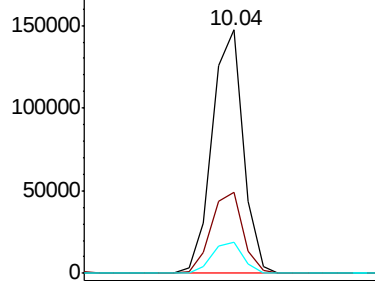
Tot Ion:168	Resp:	125164
Ion Ratio	Lower	Upper
168	100	
139	33.3	28.1 42.1
169	12.6	10.6 16.0

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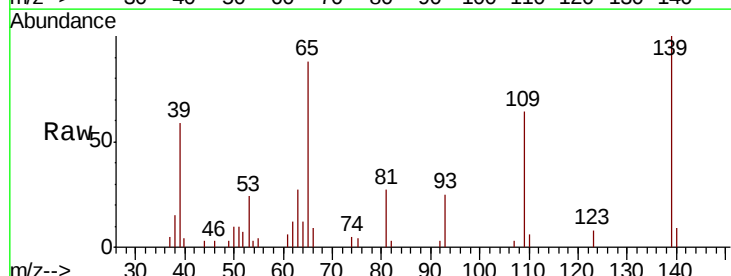


Abundance Ion 168.00 (167.70 to 168.70): E
200000
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

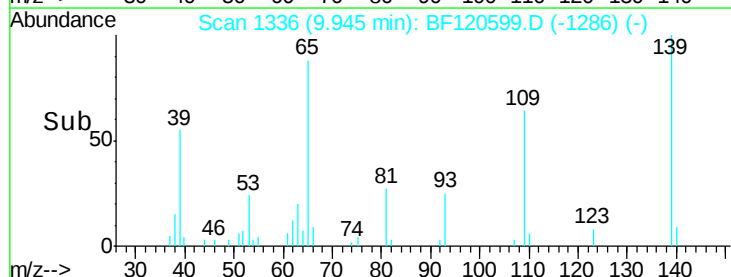
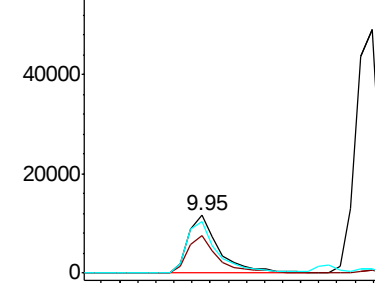


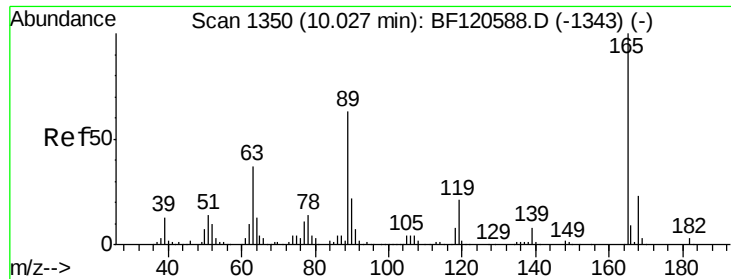
#56
4-Nitrophenol
Concen: 3.632 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion:139	Resp:	13926
Ion Ratio	Lower	Upper
139	100	
109	63.9	44.6 84.6
65	88.5	69.2 109.2



Abundance Ion 139.00 (138.70 to 139.70): E
60000
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





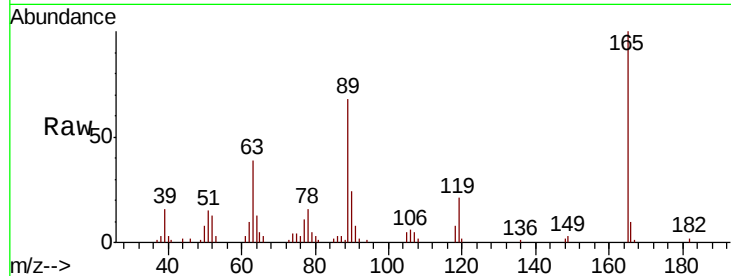
#57
 2,4-Dinitrotoluene
 Concen: 4.174 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

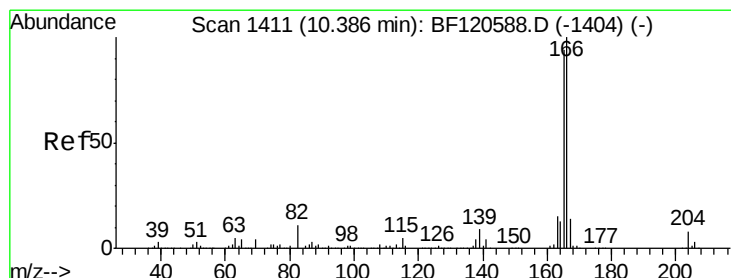
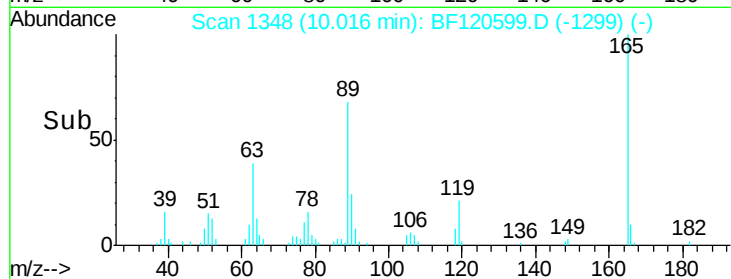
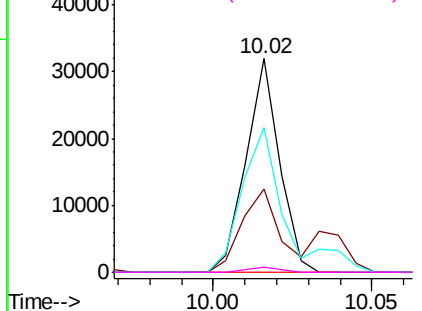
Tot Ion	Ratio	Lower	Upper
165	100		
63	39.0	29.8	44.8
89	67.6	50.4	75.6
182	2.4	2.1	3.1

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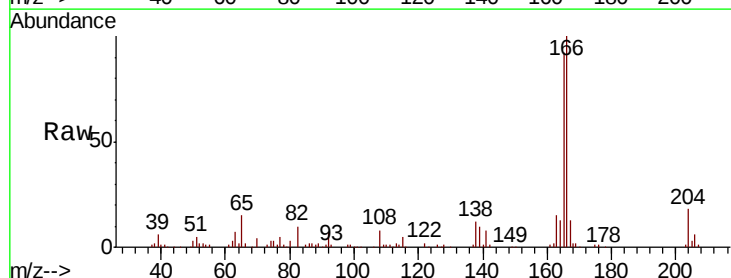


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

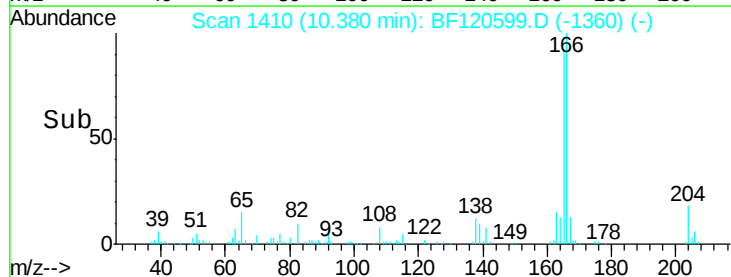
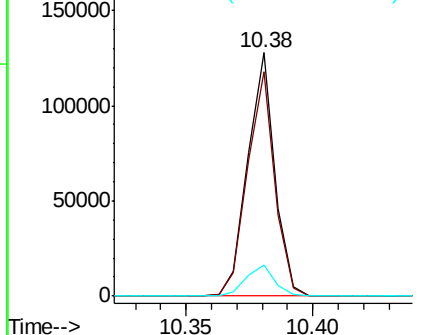


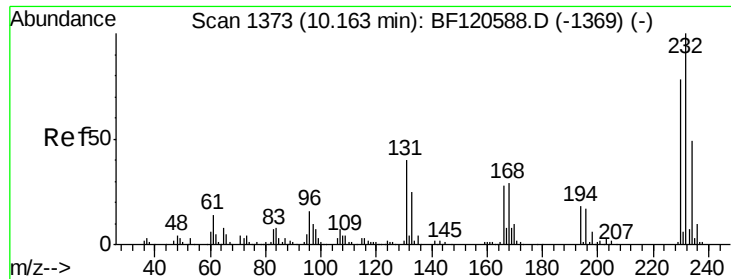
#58
 Fluorene
 Concen: 5.493 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.3	75.0	112.6
167	12.7	11.0	16.4



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E





#59

2,3,4,6-Tetrachlorophenol

Concen: 4.408 ng

RT: 10.16 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

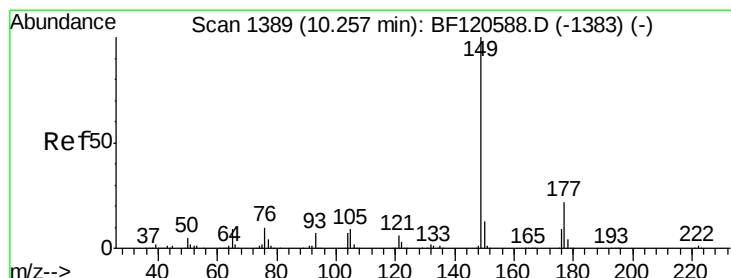
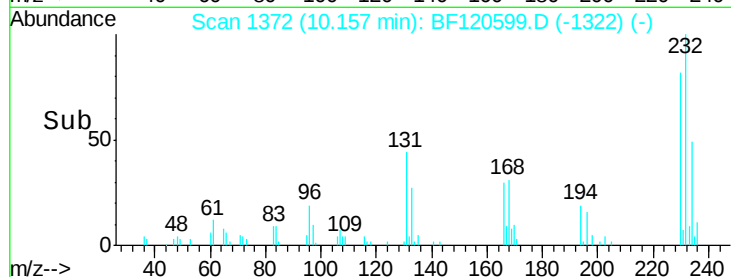
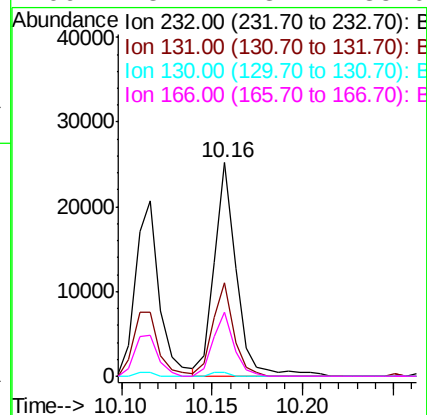
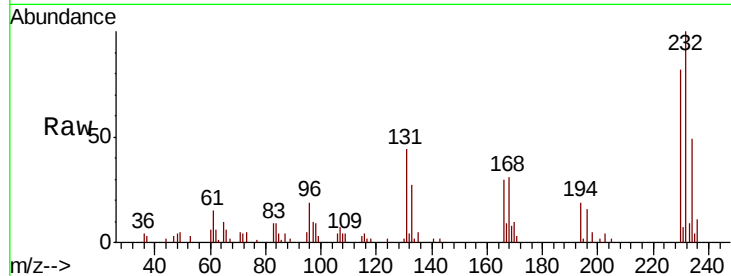
ClientSampleId :

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Tot Ion	Ratio	Resp	Lower	Upper
232	100	21645		
131	40.7		33.5	50.3
130	1.3		1.5	2.3
166	28.2		23.4	35.0

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#60

Diethylphthalate

Concen: 5.152 ng

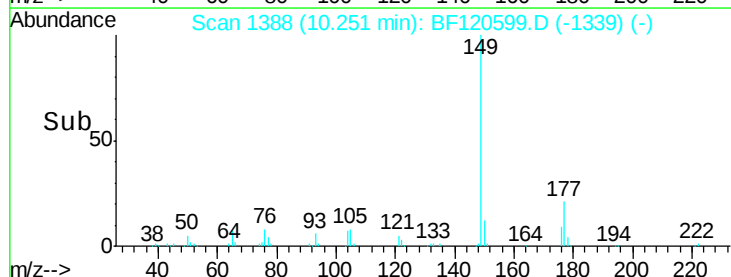
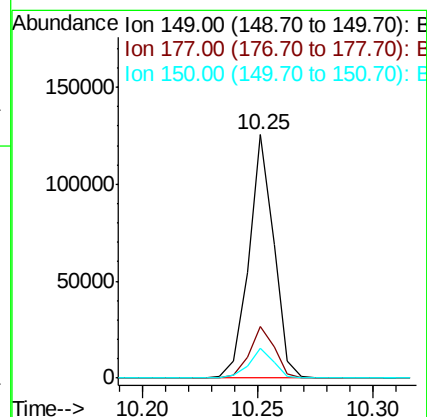
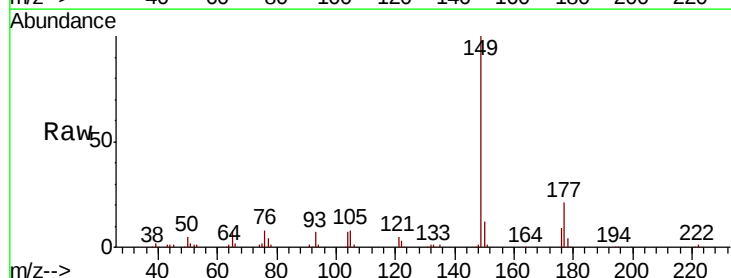
RT: 10.25 min Scan# 1388

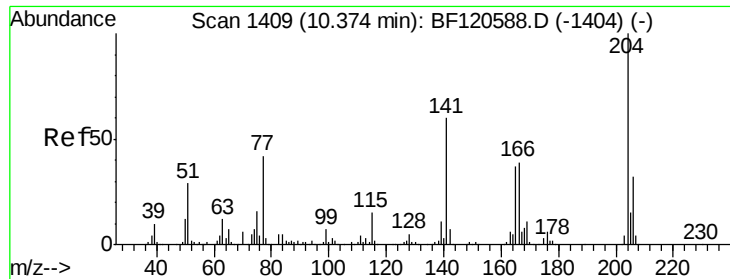
Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	94905		
177	21.2		17.3	25.9
150	12.3		10.3	15.5





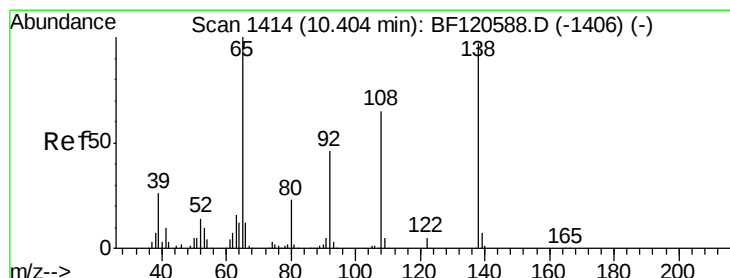
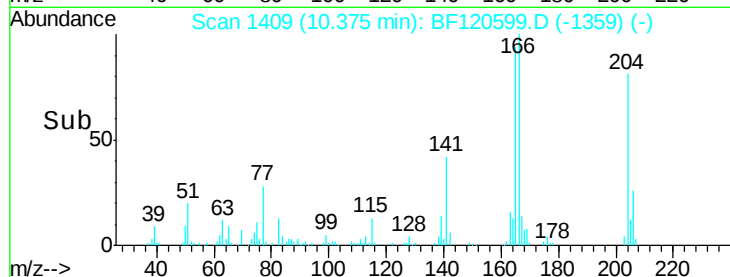
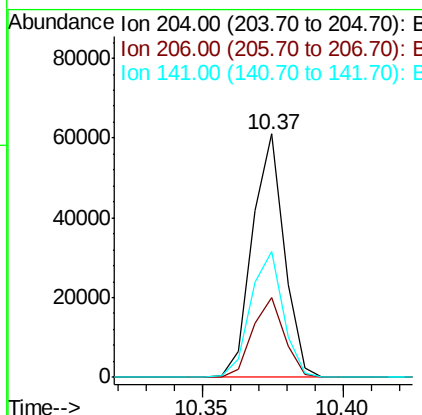
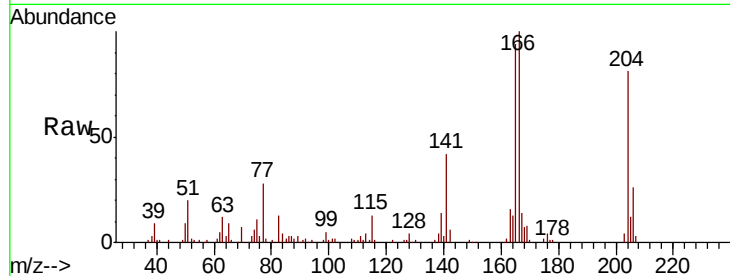
#61
 4-Chlorophenyl-phenylether
 Concen: 5.352 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.9	38.9
141	51.8	47.6	71.4

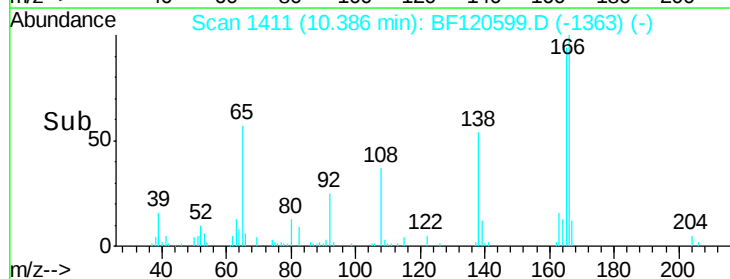
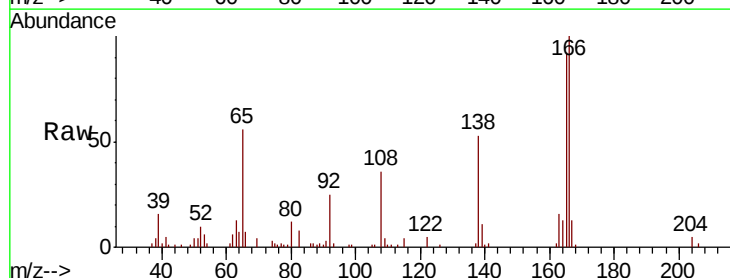
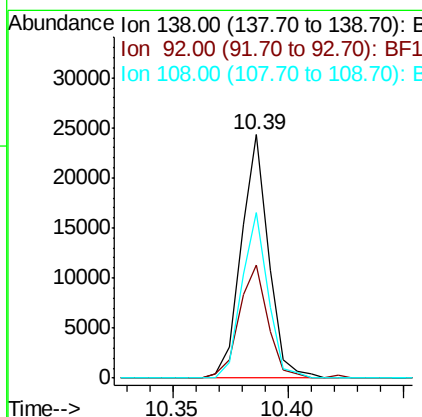
Manual Integrations
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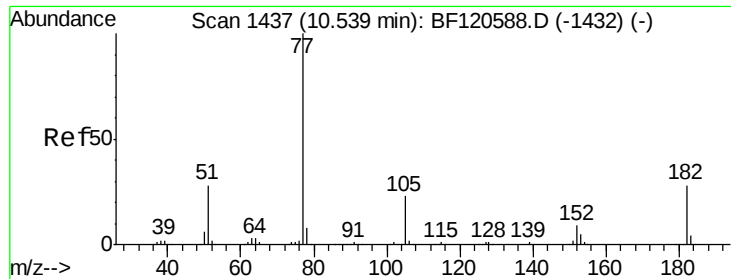
mohammad
 6/15/2020 8:42:44 AM



#62
 4-Nitroaniline
 Concen: 3.981 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.02 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.5	27.3	67.3
108	67.8	47.4	87.4





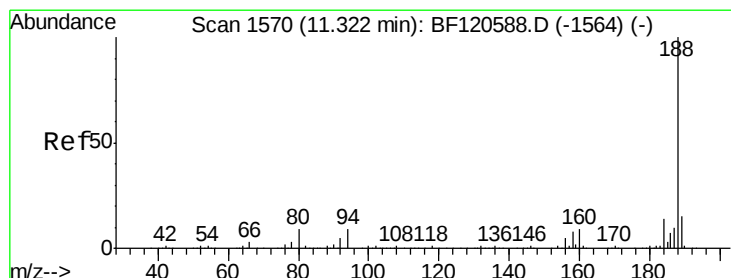
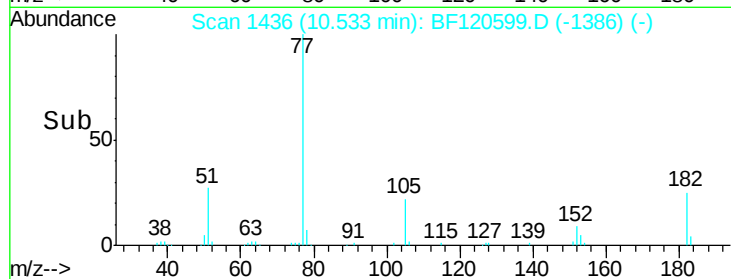
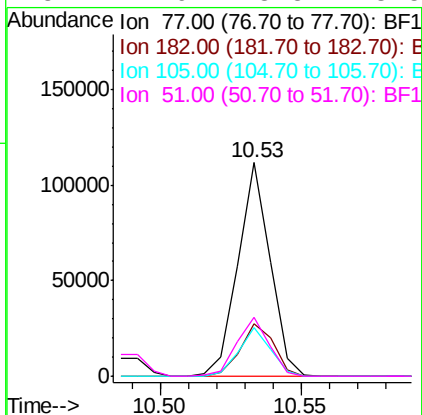
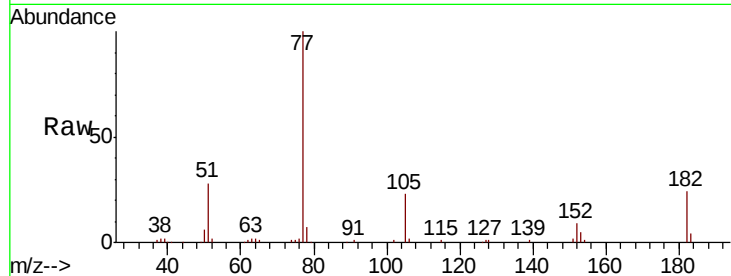
#63
Azobenzene
Concen: 5.288 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	24.5	7.7	47.7	
105	22.6	3.2	43.2	
51	27.6	8.5	48.5	

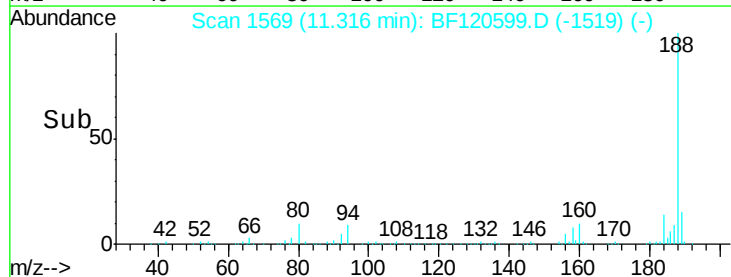
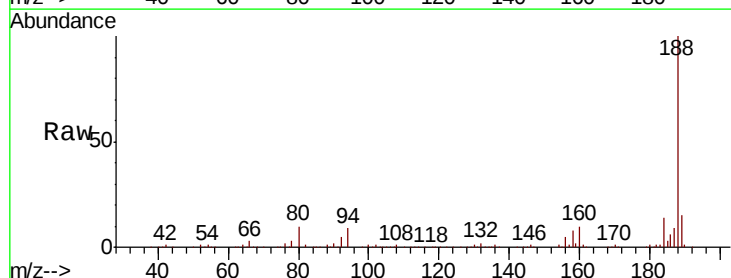
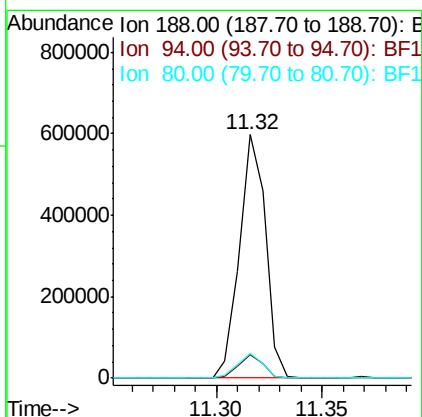
Manual Integrations
APPROVED

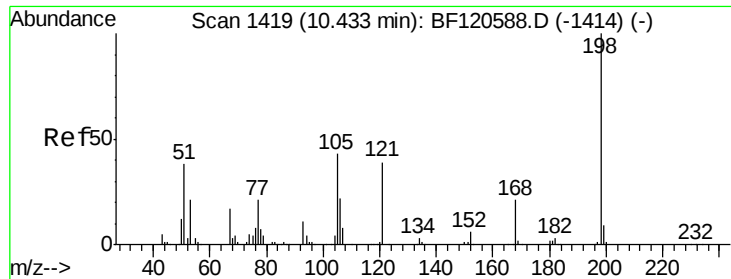
mohammad
6/15/2020 8:42:44 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.4	7.2	10.8	
80	10.1	7.4	11.2	





#65

4,6-Dinitro-2-methylphenol

Concen: 2.828 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

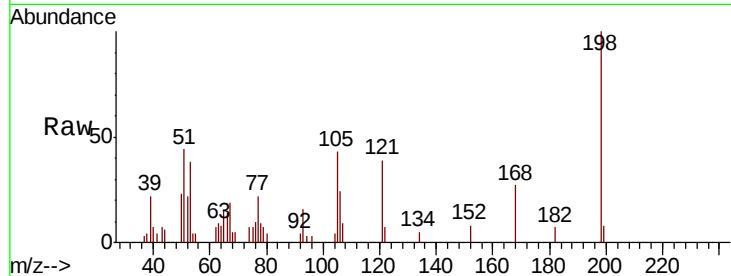
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	198	Resp:	8673
Ion	Ratio	Lower	Upper
198	100		
51	44.1	24.8	64.8
105	43.5	23.9	63.9

Manual Integrations
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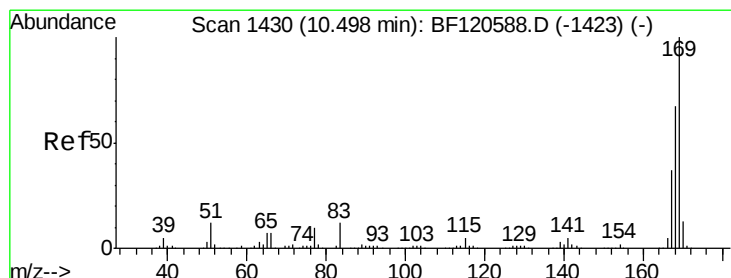
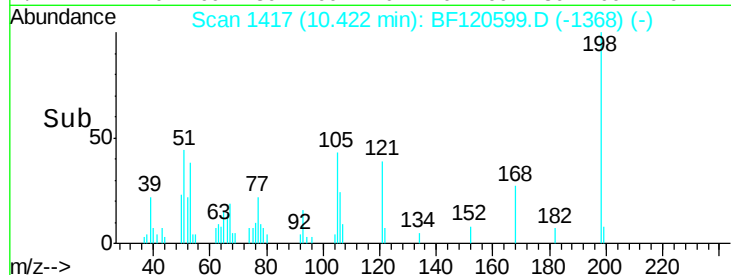
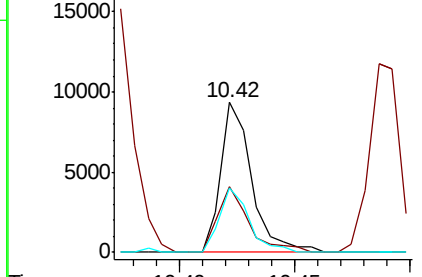
mohammad
6/15/2020 8:42:44 AM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 5.165 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.01 min

Lab File: BF120599.D

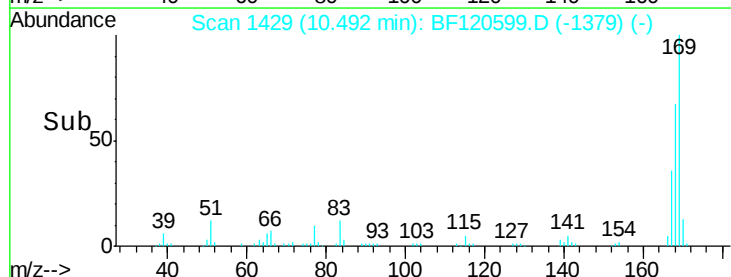
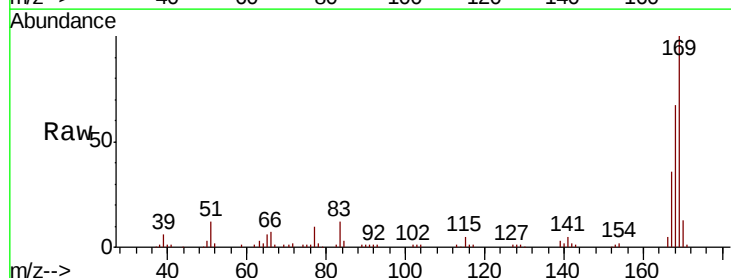
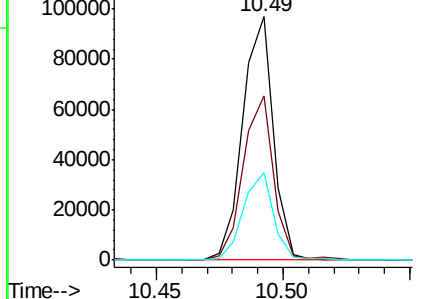
Acq: 11 Jun 2020 13:32

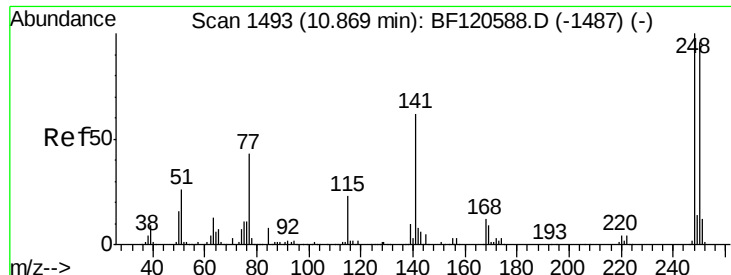
Tgt Ion:	169	Resp:	81080
Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.7	80.5
167	36.1	29.9	44.9

Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





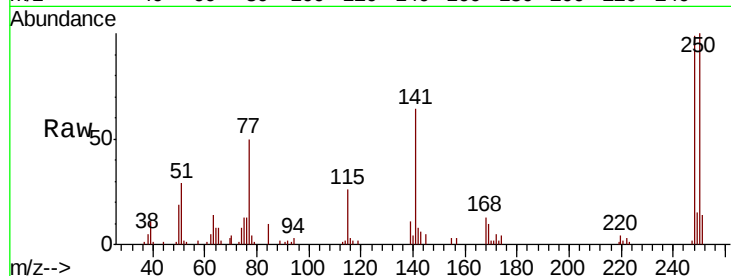
#67
 4-Bromophenyl-phenylether
 Concen: 4.866 ng
 RT: 10.86 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
248	100		
250	101.5	76.7	115.1
141	65.1	49.4	74.0

Manual Integrations
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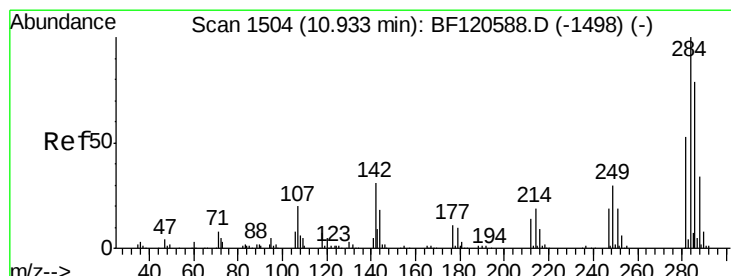
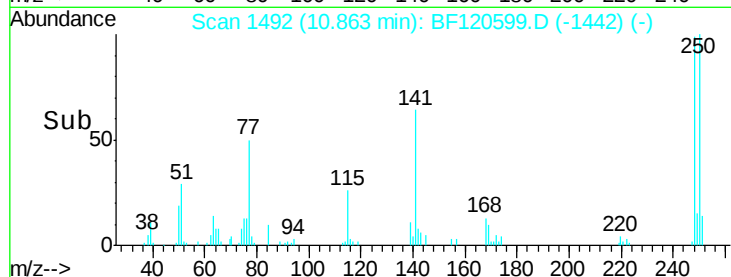
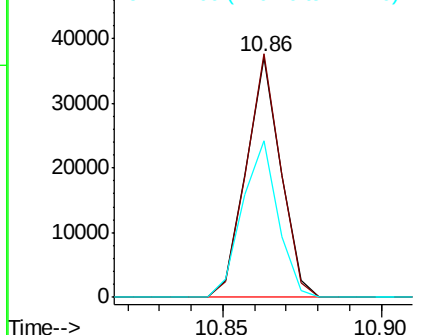


Abundance

Ion 248.00 (247.70 to 248.70): E

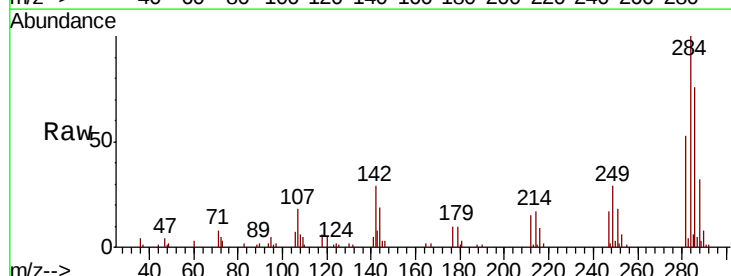
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 5.207 ng
 RT: 10.93 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

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

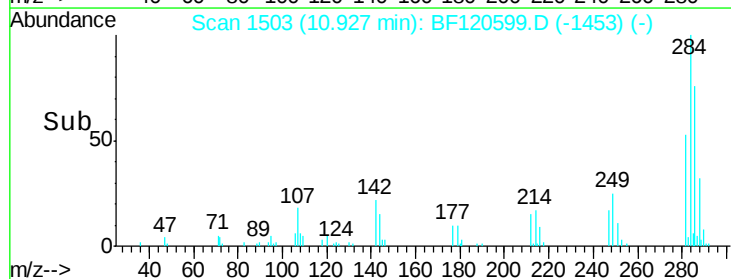
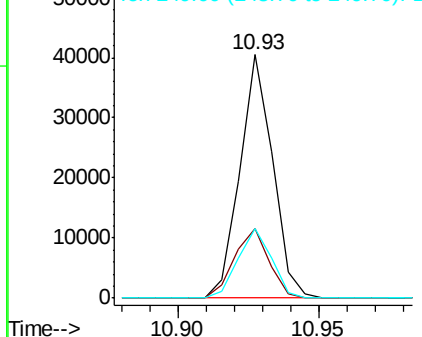


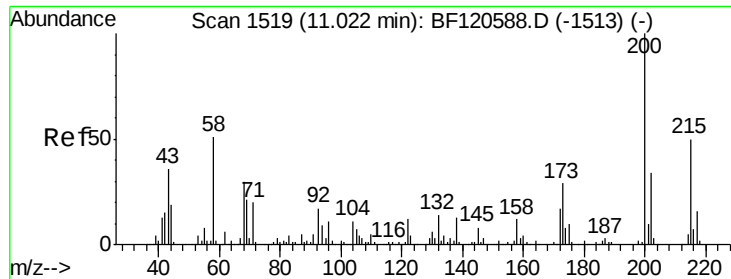
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





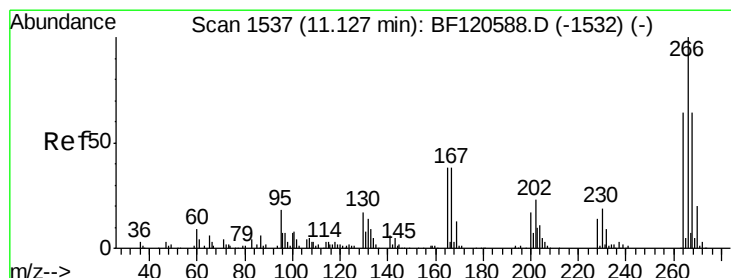
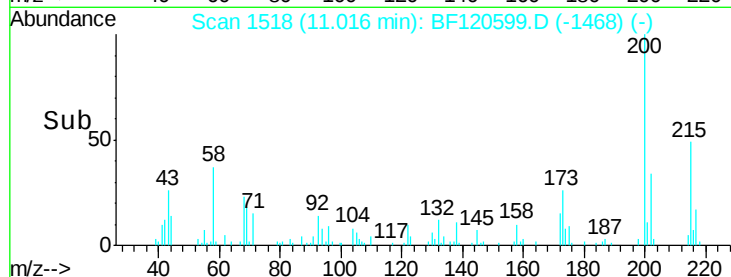
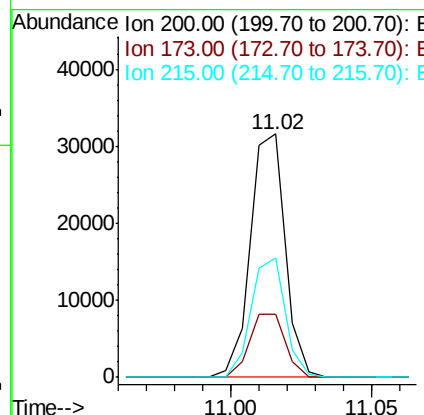
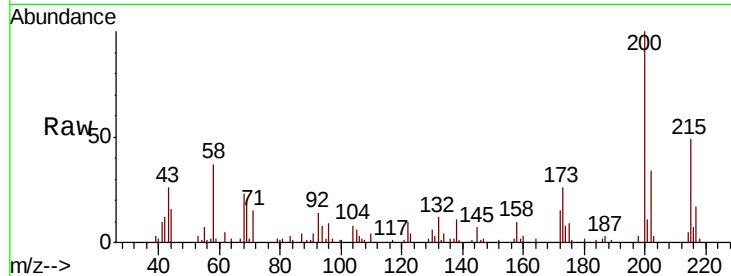
#69
Atrazine
Concen: 5.558 ng
RT: 11.02 min Scan# 1518
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.2	9.1	49.1
215	49.3	29.8	69.8

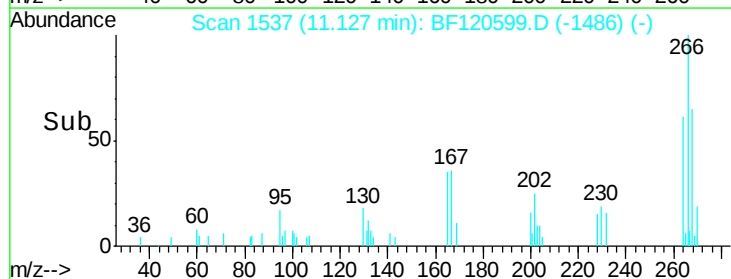
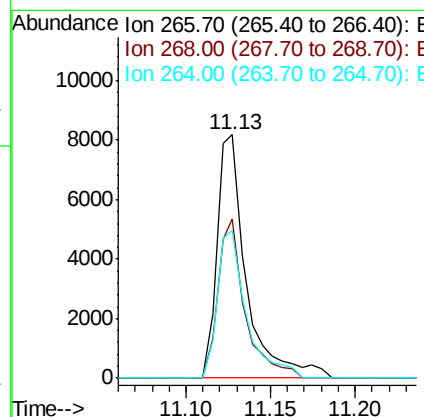
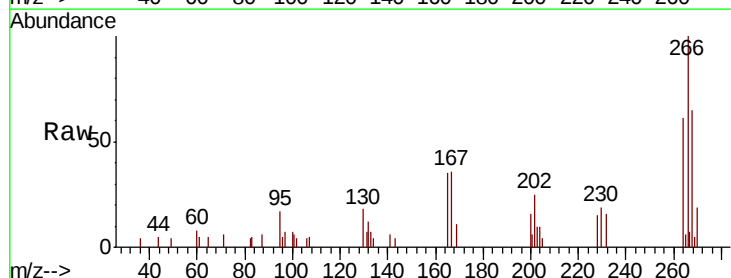
Manual Integrations
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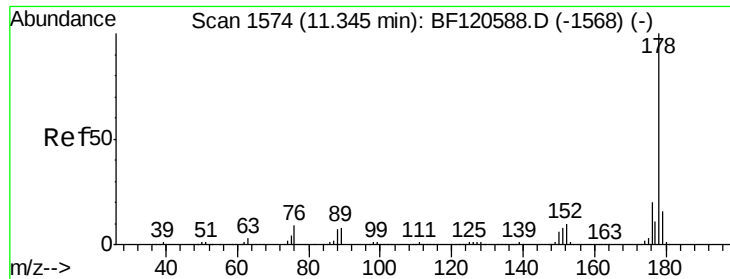
mohammad
6/15/2020 8:42:44 AM



#70
Pentachlorophenol
Concen: 2.860 ng
RT: 11.13 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.1	51.4	77.0
264	60.6	50.8	76.2





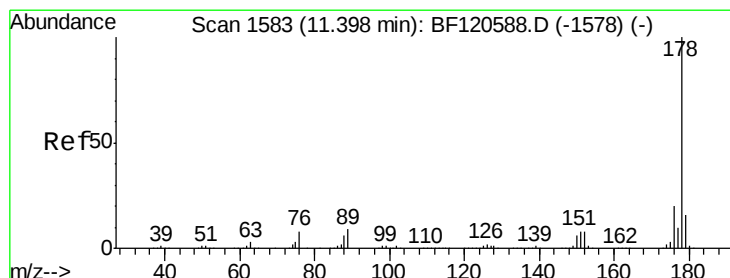
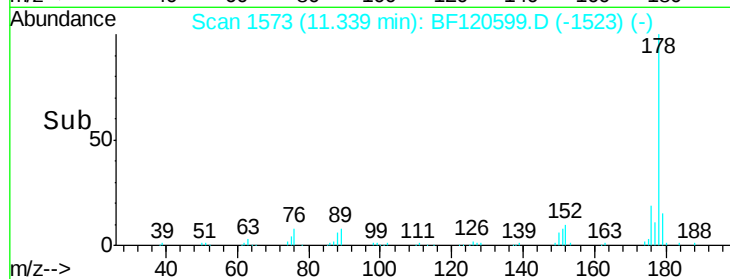
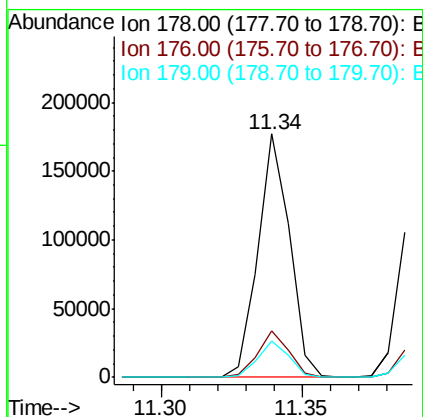
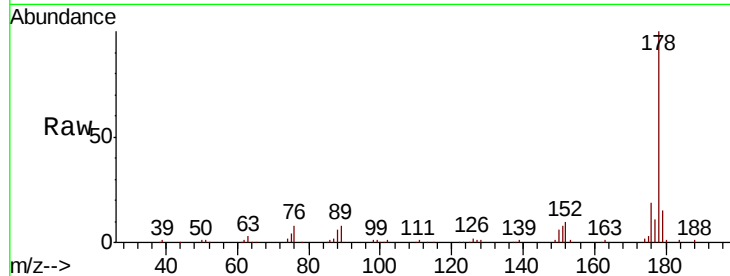
#71
Phenanthrene
Concen: 5.404 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.9	23.9
179	14.8	12.8	19.2

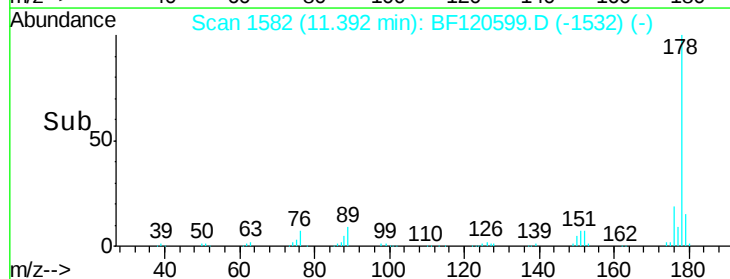
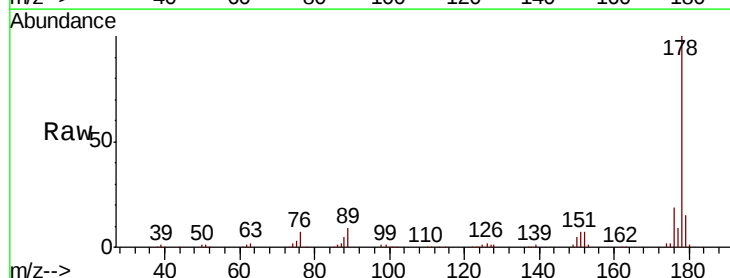
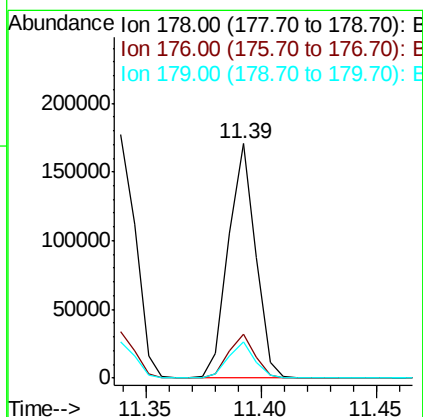
Manual Integrations
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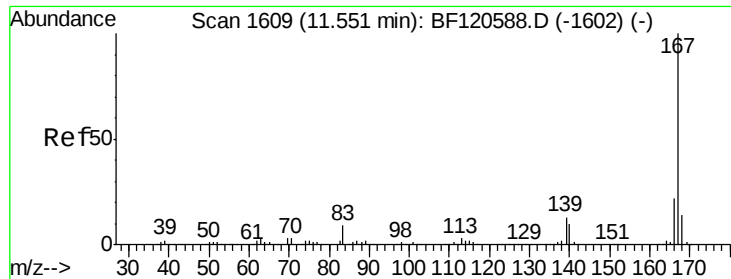
mohammad
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#72
Anthracene
Concen: 5.461 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.6	23.4
179	15.4	12.9	19.3





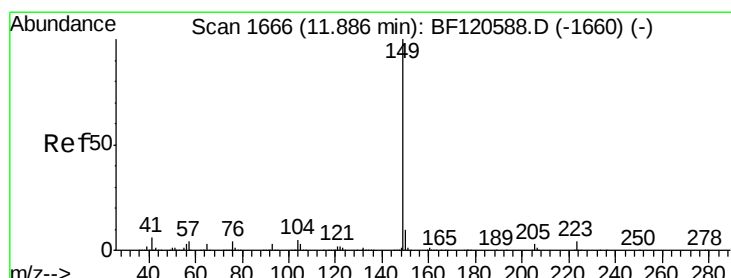
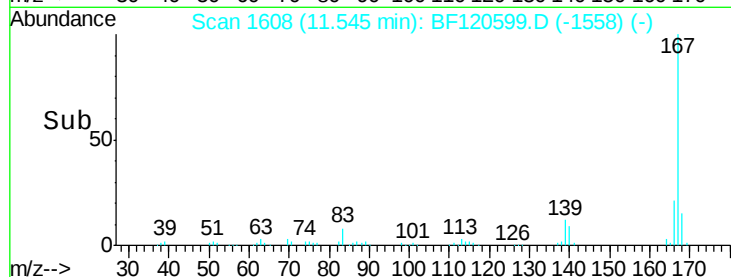
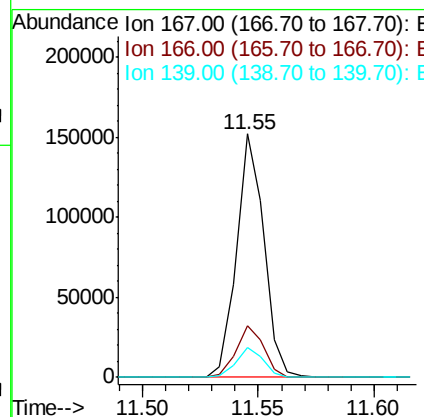
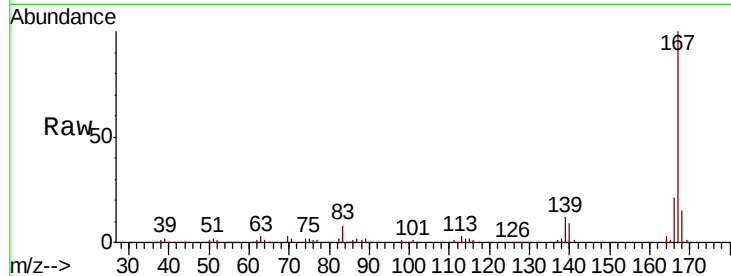
#73
 Carbazole
 Concen: 4.950 ng
 RT: 11.55 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
167	100			
166	20.9	17.2	25.8	
139	12.2	10.1	15.1	

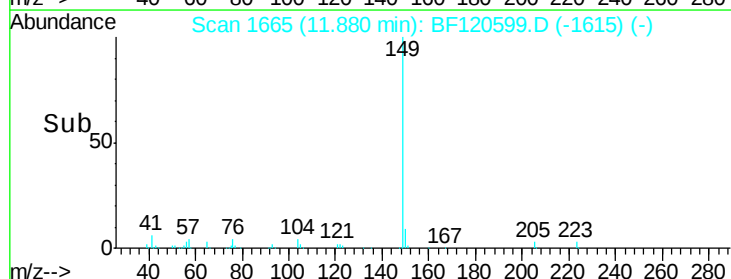
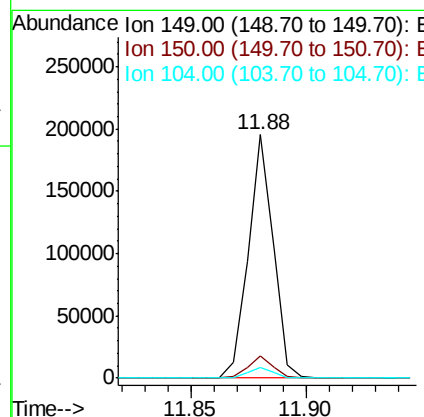
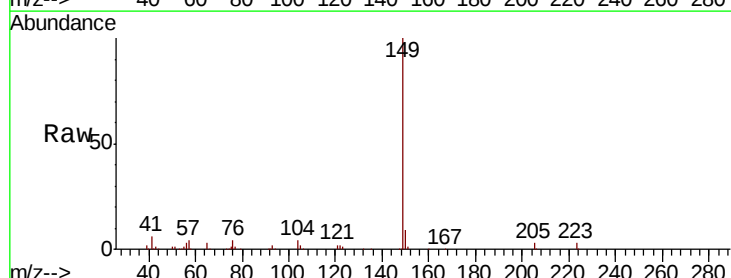
Manual Integrations
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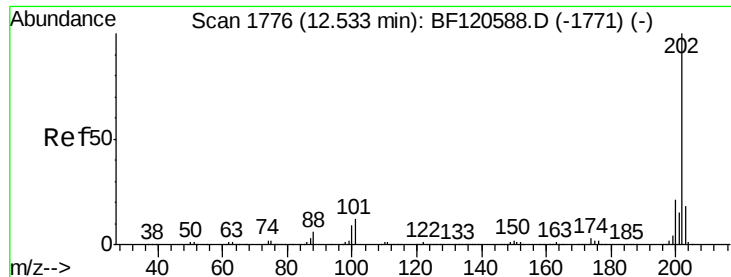
mohammad
 6/15/2020 8:42:44 AM



#74
 Di-n-butylphthalate
 Concen: 5.155 ng
 RT: 11.88 min Scan# 1665
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
150	9.2	7.7	11.5	
104	4.4	3.7	5.5	





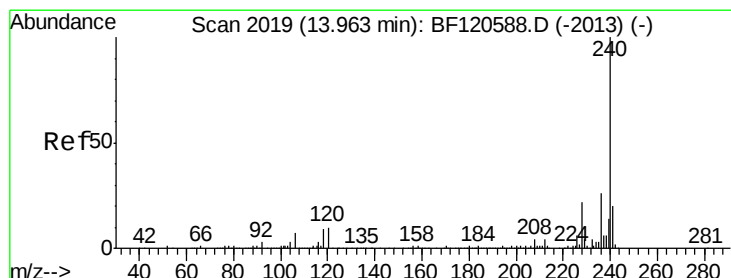
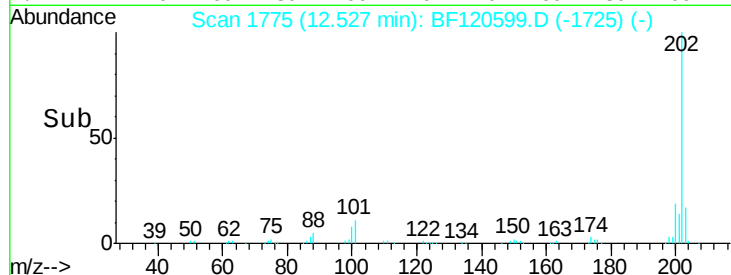
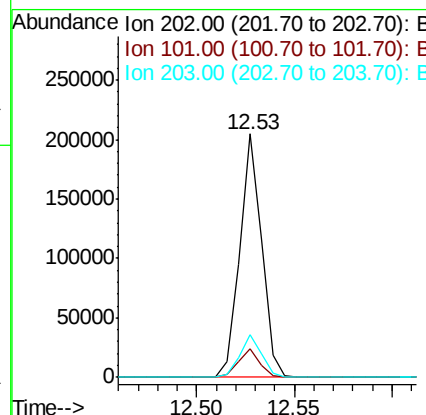
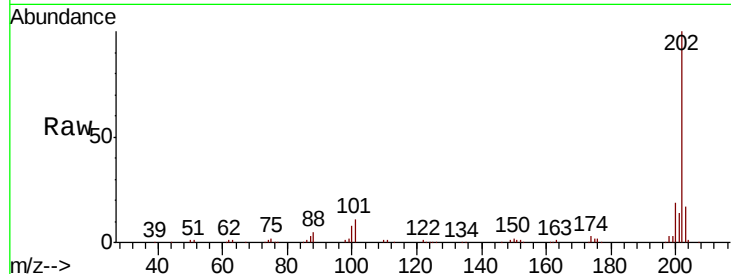
#75
 Fluoranthene
 Concen: 5.465 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.5	0.0	32.0
203	17.5	0.0	38.3

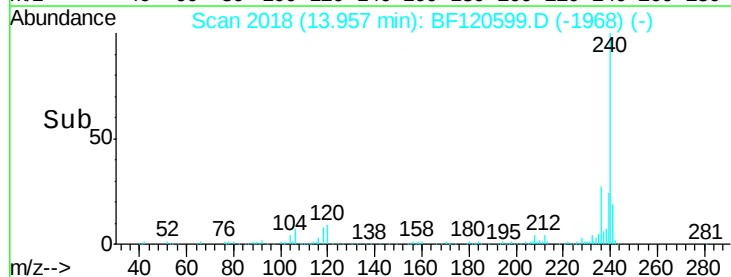
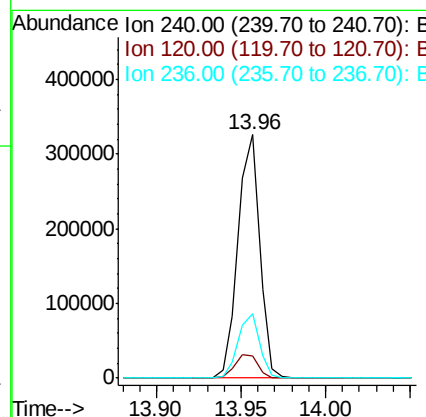
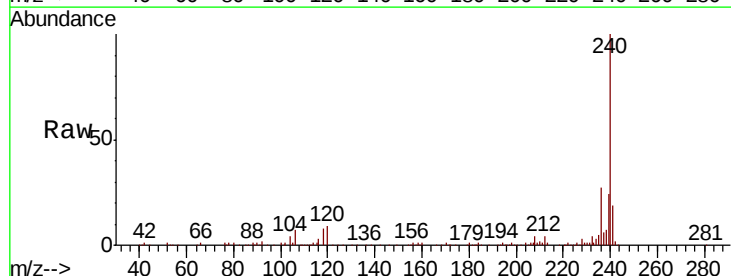
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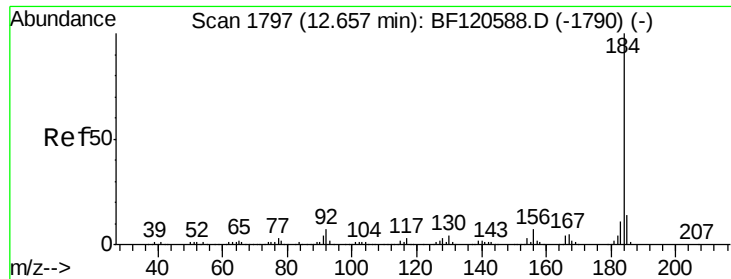
mohammad
 6/15/2020 8:42:44 AM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.0	8.3	12.5
236	26.7	21.0	31.4





#77

Benzidine

Concen: 7.252 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

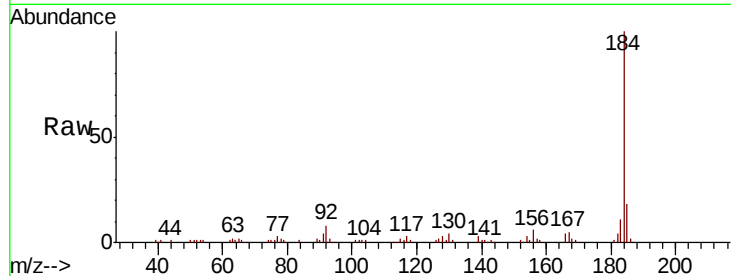
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

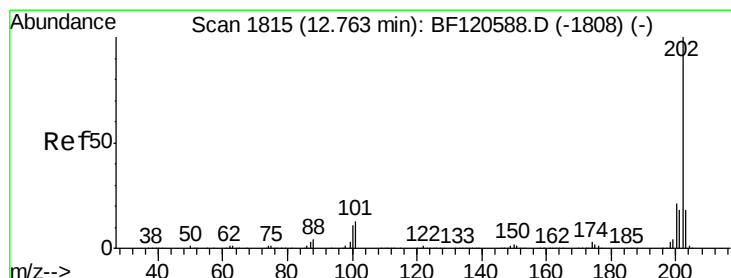
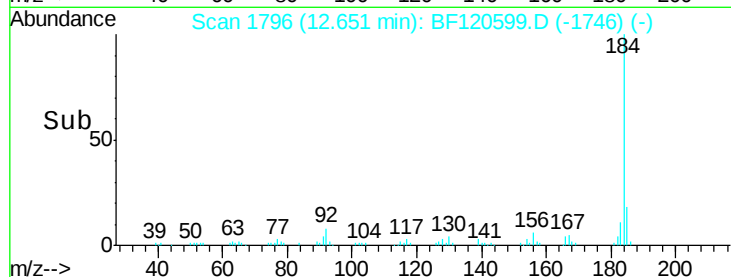
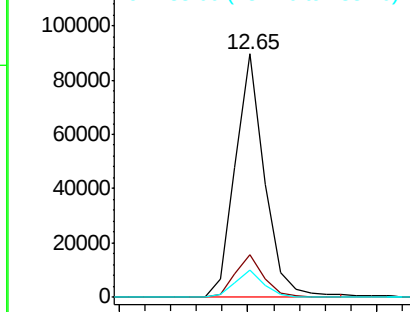
Tot Ion:	184	Resp:	71212
Ion Ratio	Lower	Upper	
184	100		
185	17.6	11.4	17.0#
183	11.0	9.0	13.6

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 8.053 ng

RT: 12.76 min Scan# 1814

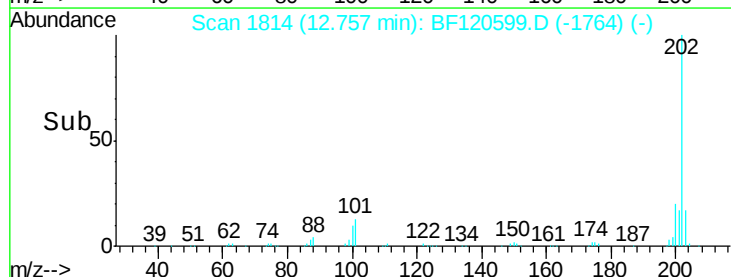
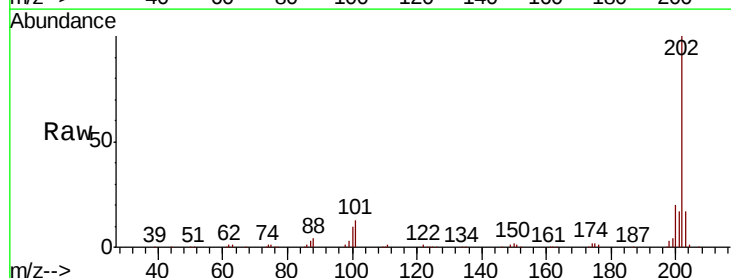
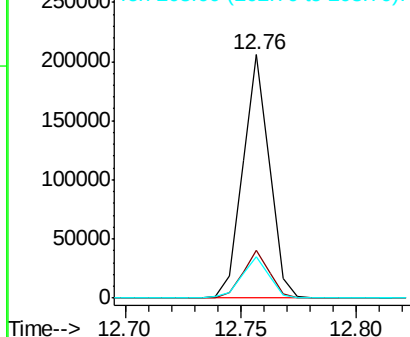
Delta R.T. -0.01 min

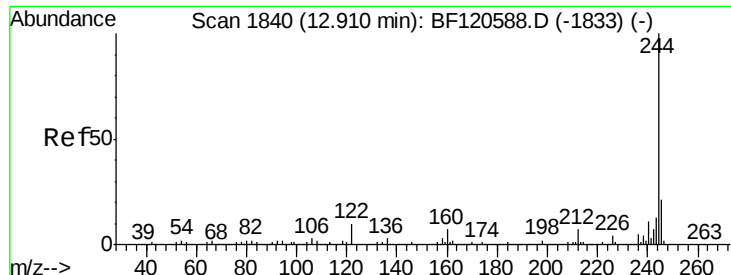
Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Tgt Ion:	202	Resp:	165654
Ion Ratio	Lower	Upper	
202	100		
200	19.8	16.8	25.2
203	17.0	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





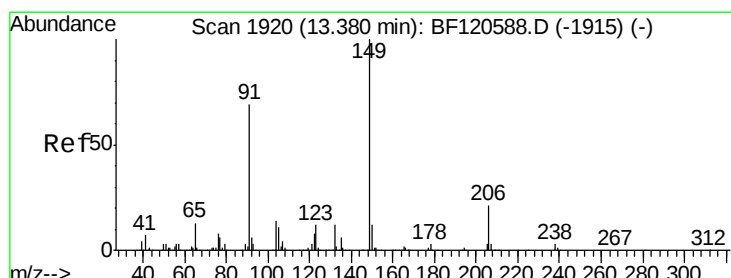
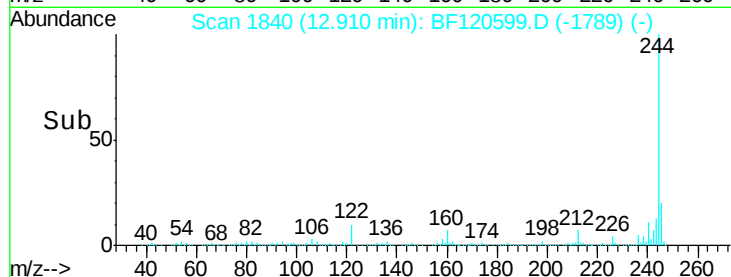
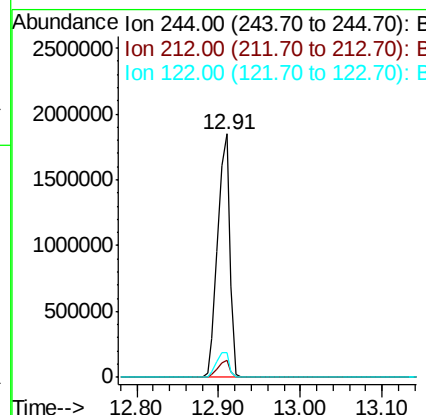
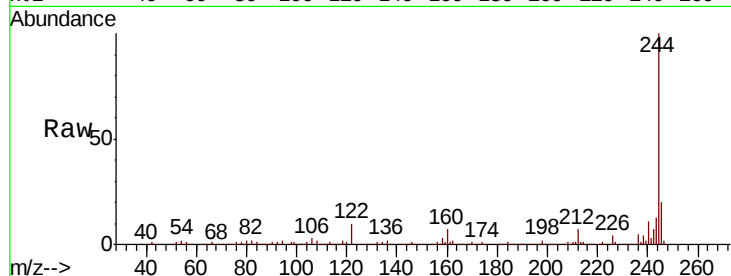
#79
 Terphenyl-d14
 Concen: 147.141 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.00 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	10.3	8.3	12.5

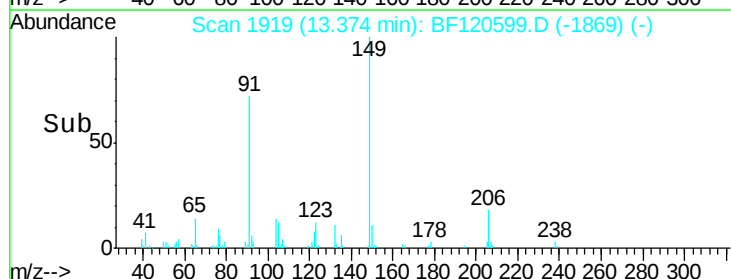
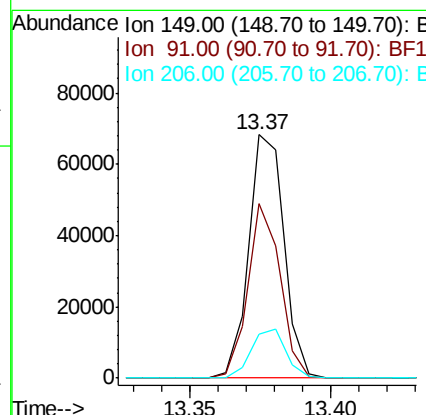
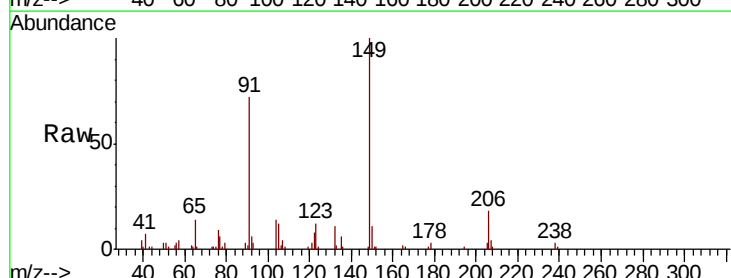
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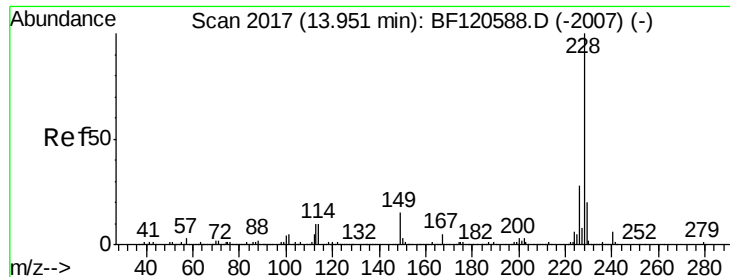
mohammad
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#80
 Butylbenzylphthalate
 Concen: 6.467 ng
 RT: 13.37 min Scan# 1919
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
149	100		
91	71.9	55.4	83.0
206	18.1	17.0	25.4





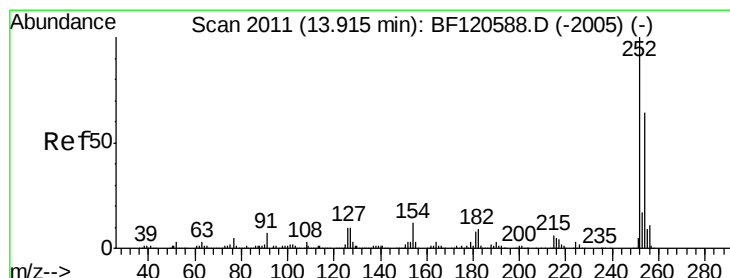
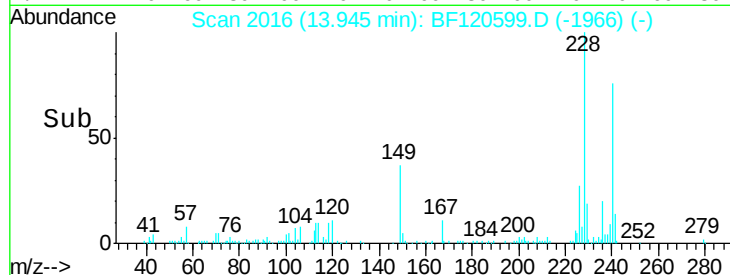
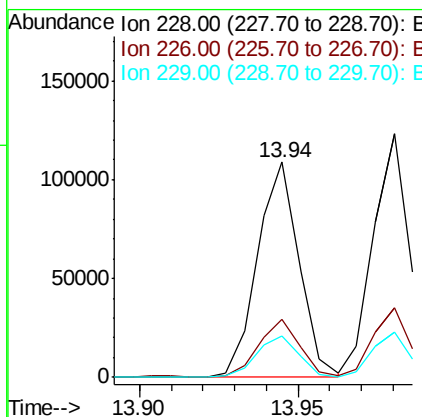
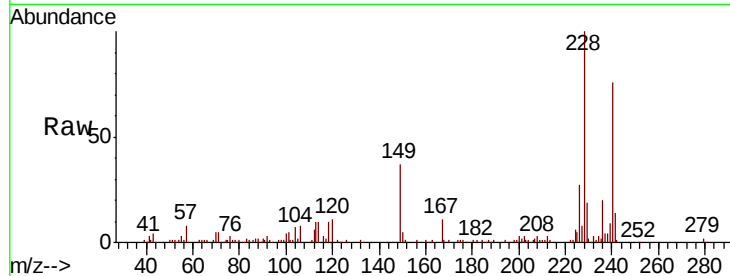
#81
Benzo(a)anthracene
Concen: 5.696 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.5	33.7
229	19.2	16.1	24.1

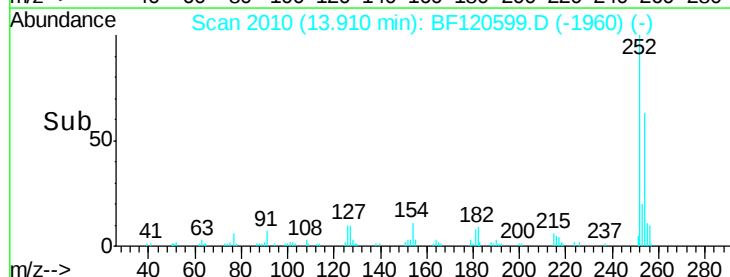
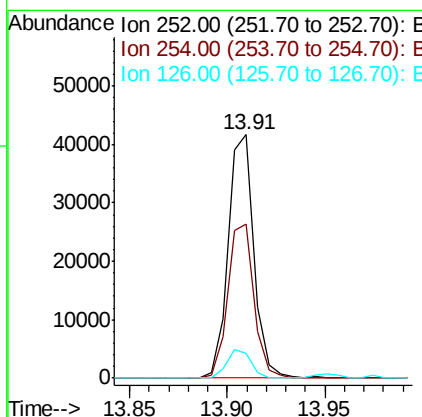
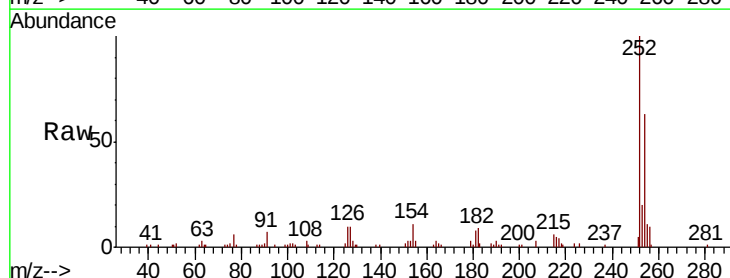
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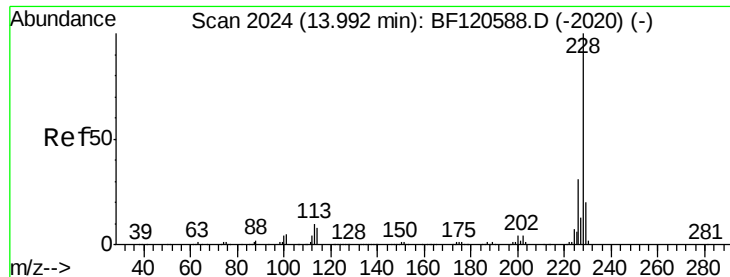
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#82
3,3'-Dichlorobenzidine
Concen: 5.702 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.2	51.4	77.2
126	10.4	7.9	11.9





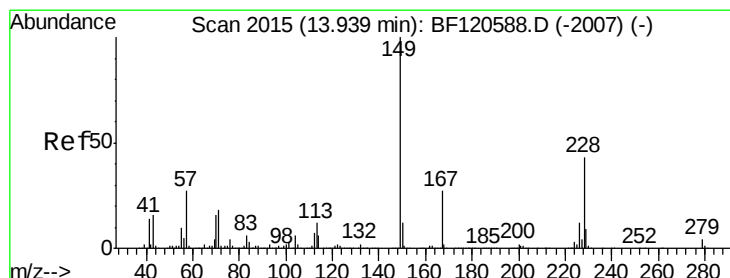
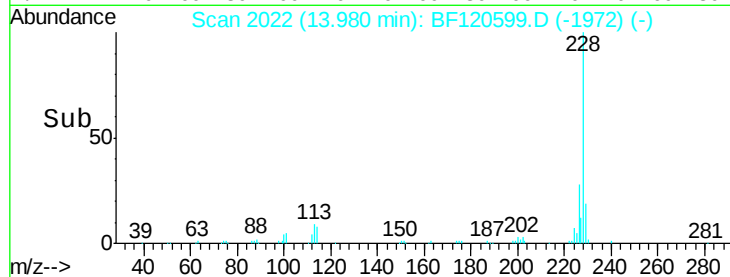
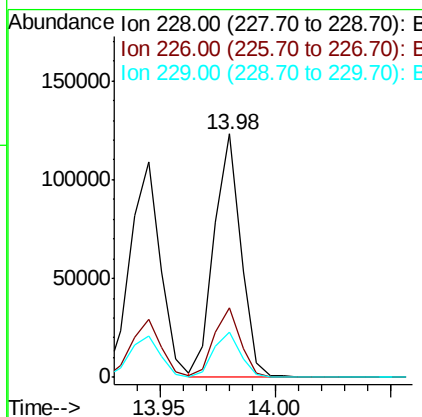
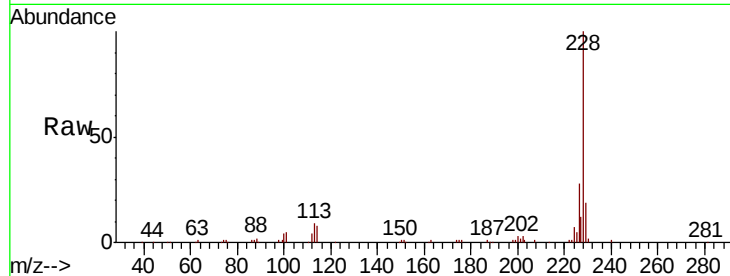
#83
Chrvsene
Concen: 5.527 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	24.9	37.3
229	18.6	16.1	24.1

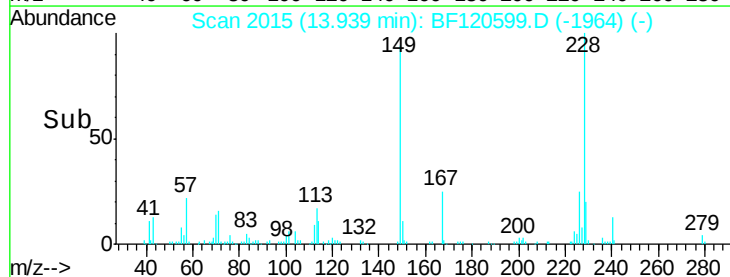
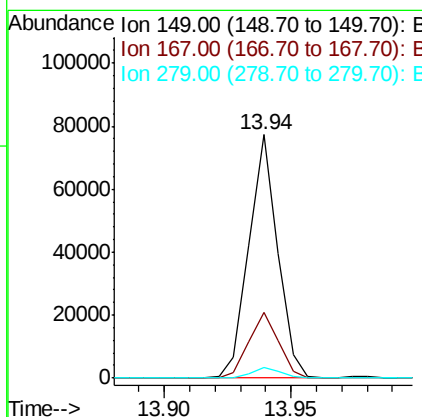
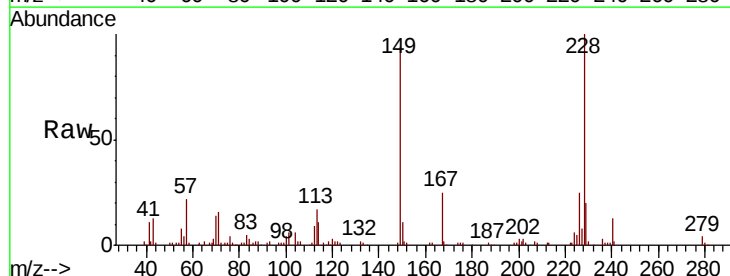
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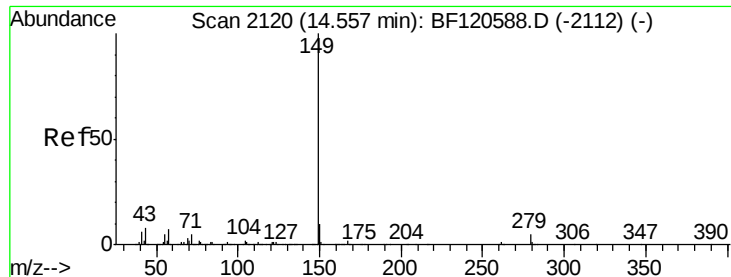
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 5.524 ng
RT: 13.94 min Scan# 2015
Delta R.T. 0.00 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.9	22.0	33.0
279	4.2	3.0	4.6





#85

Di-n-octyl phthalate

Concen: 4.812 ng

RT: 14.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

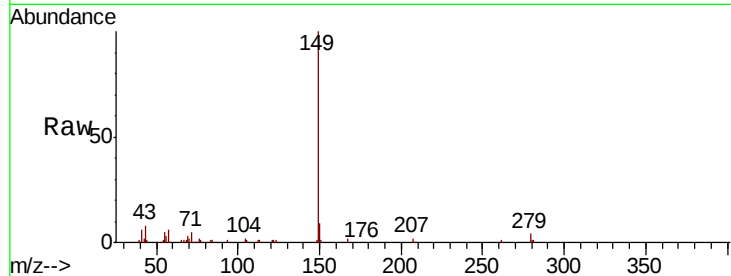
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

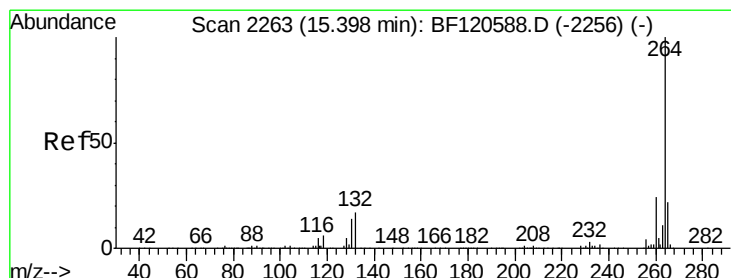
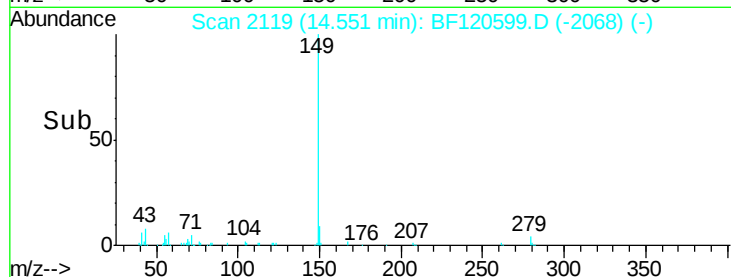
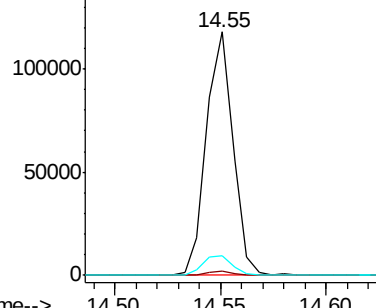
Tot Ion:	149	Resp:	102377
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.3	1.9
43	9.2	7.6	11.4

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1



#86

Perylene-d12

Concen: 20.000 ng

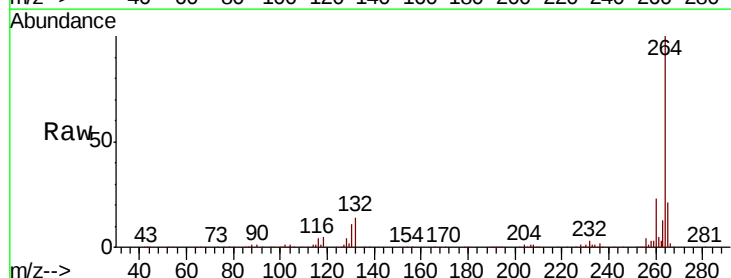
RT: 15.40 min Scan# 2263

Delta R.T. 0.00 min

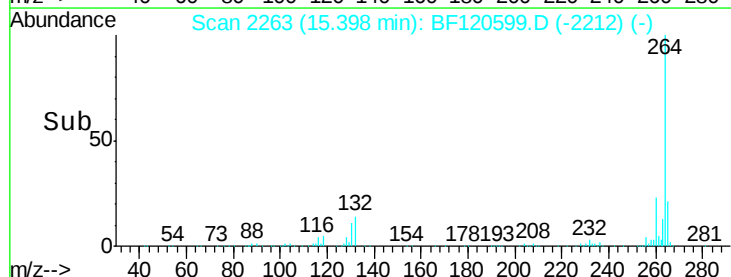
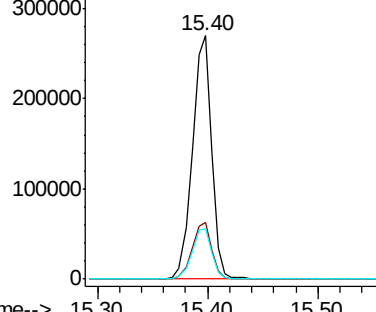
Lab File: BF120599.D

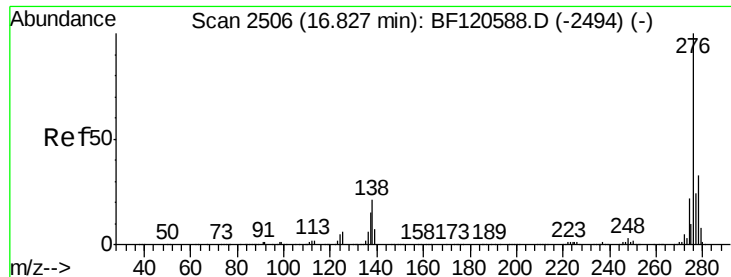
Acq: 11 Jun 2020 13:32

Tgt Ion:	264	Resp:	325909
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.3	28.9
265	20.8	17.8	26.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





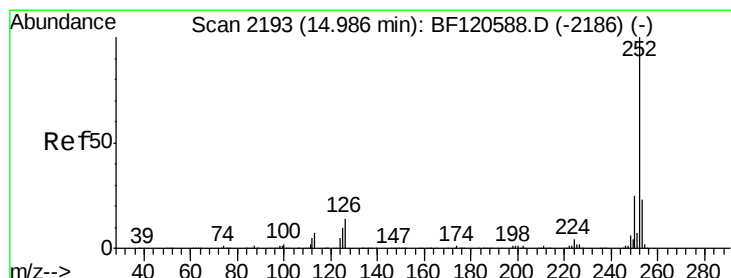
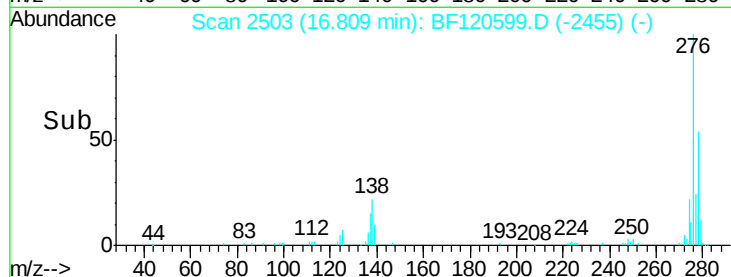
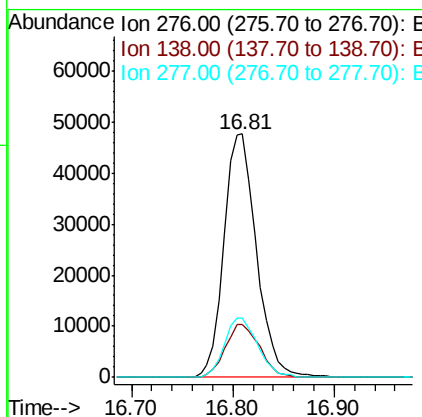
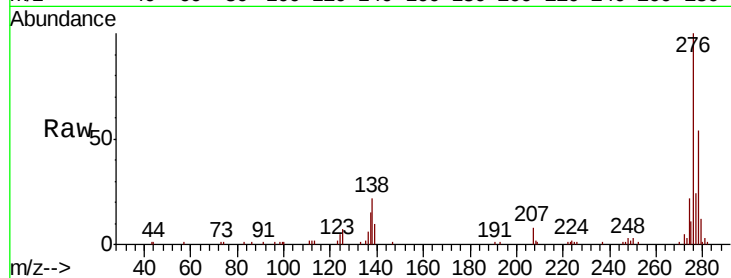
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.352 ng
RT: 16.81 min Scan# 2503
Delta R.T. -0.02 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.7	18.9	28.3
277	24.8	20.2	30.2

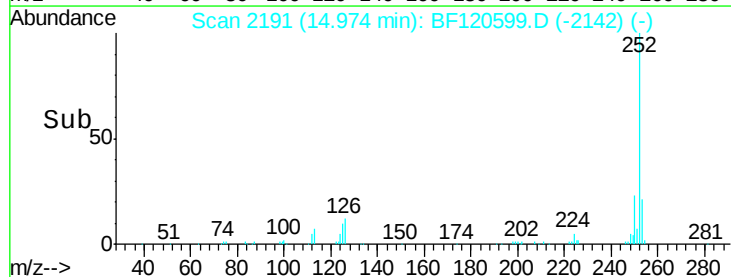
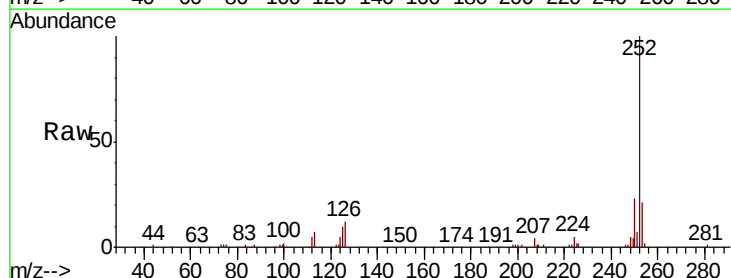
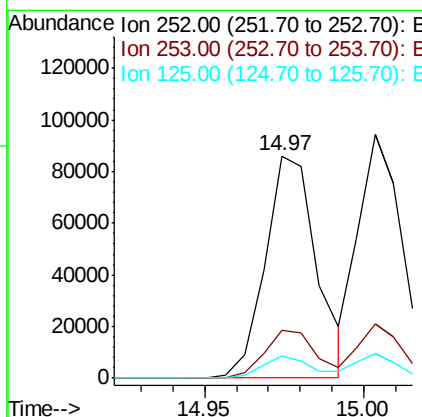
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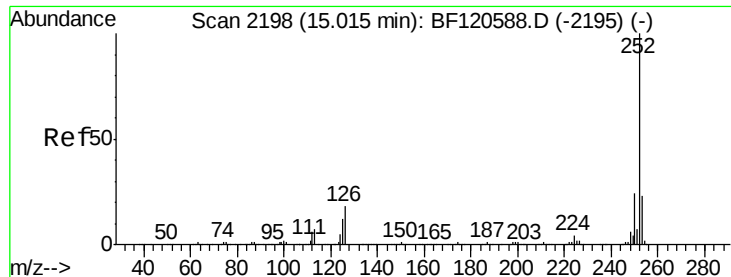
mohammad
6/15/2020 8:42:44 AM



#88
Benzo(b)fluoranthene
Concen: 5.011 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.1	27.1
125	10.0	8.3	12.5





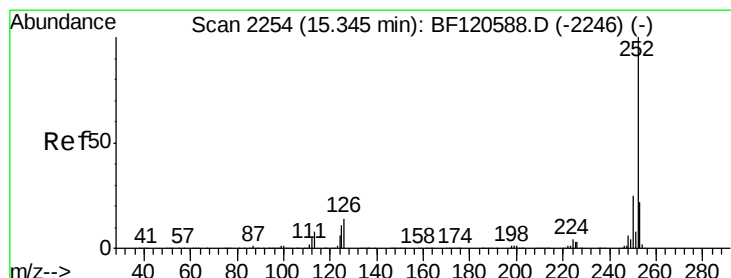
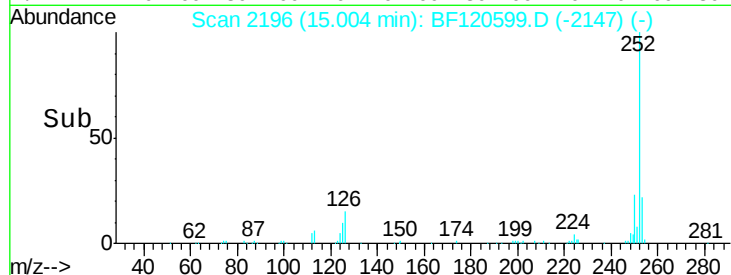
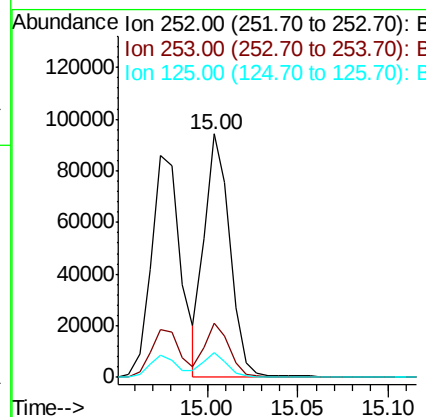
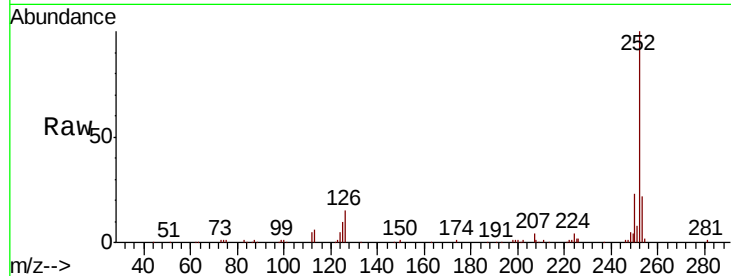
#89
Benzo(k)fluoranthene
Concen: 5.361 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	10.2	8.3	12.5

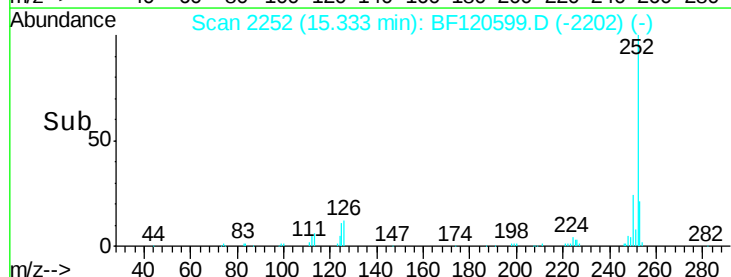
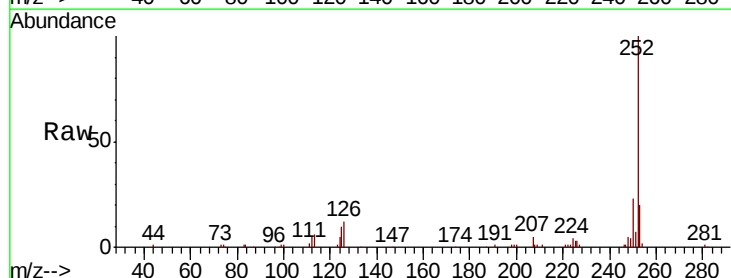
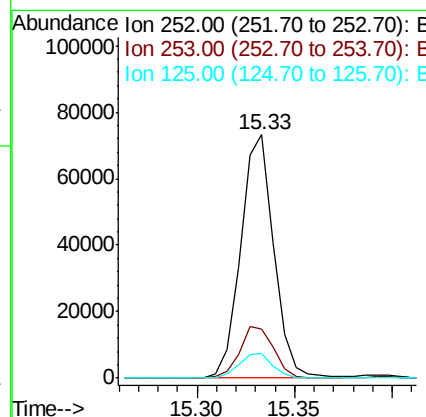
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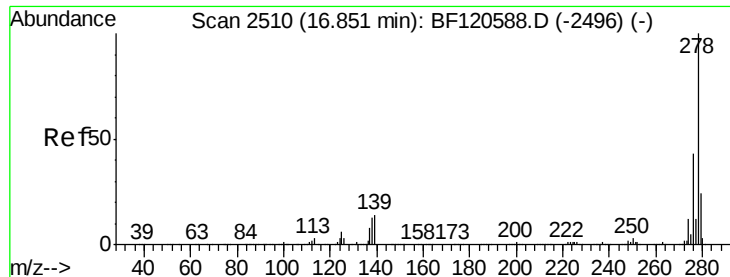
mohammad
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#90
Benzo(a)pyrene
Concen: 4.946 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.3	17.8	26.8
125	10.4	8.6	12.8





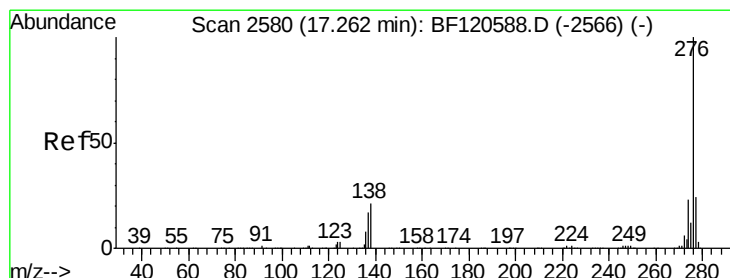
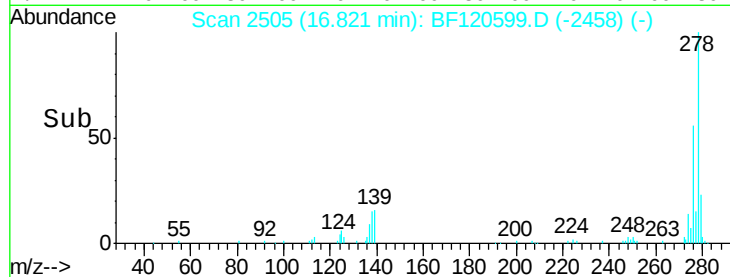
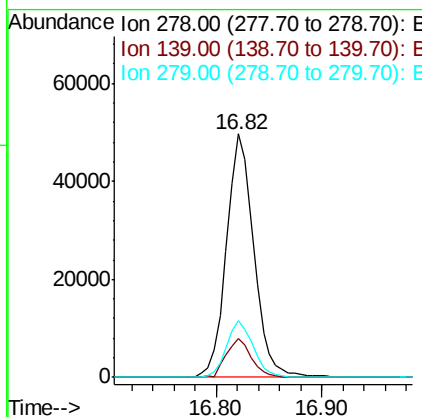
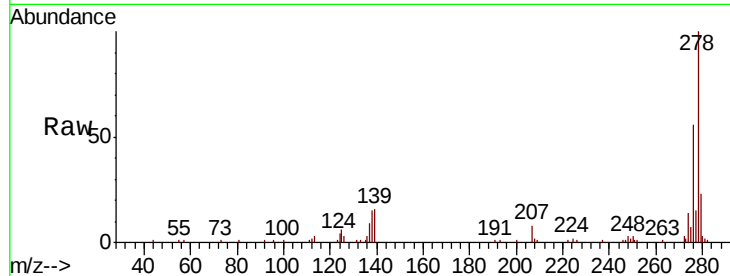
#91
Dibenzo(a,h)anthracene
Concen: 5.610 ng
RT: 16.82 min Scan# 2505
Delta R.T. -0.02 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.2	11.4	17.2
279	23.4	19.1	28.7

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#92
Benzo(g,h,i)perylene
Concen: 5.625 ng
RT: 17.23 min Scan# 2575
Delta R.T. -0.02 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.6	29.4
138	19.5	16.5	24.7

