

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
 Data File : BF107632.D
 Acq On : 24 Jul 2018 21:13
 Operator : JU/SJ
 Sample : J4098-05MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

Manual Integrations
 APPROVED

Sohil
 7/25/2018 12:58:38 PM

Quant Time: Jul 25 04:23:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	243662	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	899860	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	359247	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	609118	20.00	ng	0.00
75) Chrysene-d12	14.16	240	415467	20.00	ng	0.00
86) Perylene-d12	15.69	264	353753	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	1638744	108.13	ng	0.00
7) Phenol-d6	6.62	99	1876993	103.15	ng	0.00
23) Nitrobenzene-d5	7.54	82	1192526	89.44	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	430326	105.34	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1818620	87.36	ng	0.00
78) Terphenyl-d14	13.09	244	1459909	89.96	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.88	88	190525	27.010	ng	87
3) Pyridine	3.67	79	510977	26.628	ng	86
4) n-Nitrosodimethylamine	3.62	42	254794	31.482	ng	92
6) Aniline	6.65	93	461863	19.679	ng	# 74
8) 2-Chlorophenol	6.77	128	576631	35.515	ng	98
9) Benzaldehyde	6.52	77	199894	14.880	ng	96
10) Phenol	6.63	94	669599	31.288	ng	89
11) bis(2-Chloroethyl)ether	6.71	93	569719	32.110	ng	93
12) 1,3-Dichlorobenzene	6.91	146	604104	32.816	ng	99
13) 1,4-Dichlorobenzene	6.99	146	645962	34.237	ng	99
14) 1,2-Dichlorobenzene	7.14	146	572792	33.829	ng	99
15) Benzyl Alcohol	7.11	79	459962	37.088	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.24	45	915410	30.582	ng	70
17) 2-Methylphenol	7.23	107	467328	33.865	ng	# 87
18) Hexachloroethane	7.48	117	167896	25.371	ng	100
19) n-Nitroso-di-n-propylamine	7.38	70	383185	32.596	ng	94
20) 3+4-Methylphenols	7.38	107	591433	36.093	ng	# 59
22) Acetophenone	7.38	105	817201	38.669	ng	# 89
24) Nitrobenzene	7.56	77	570884	37.381	ng	95
25) Isophorone	7.79	82	1051917	36.949	ng	98
26) 2-Nitrophenol	7.87	139	275045	42.648	ng	97
27) 2,4-Dimethylphenol	7.91	122	507557	41.577	ng	100
28) bis(2-Chloroethoxy)methane	8.00	93	688909	36.209	ng	98
29) 2,4-Dichlorophenol	8.12	162	469920	37.661	ng	97
30) 1,2,4-Trichlorobenzene	8.20	180	485490	34.643	ng	98
31) Naphthalene	8.28	128	1574827	39.798	ng	99
32) Benzoic acid	7.98	122	16157m	9.484	ng	
33) 4-Chloroaniline	8.33	127	352589	20.386	ng	97
34) Hexachlorobutadiene	8.38	225	283409	34.033	ng	99
35) Caprolactam	8.70	113	130859	32.244	ng	# 74
36) 4-Chloro-3-methylphenol	8.81	107	474084	34.204	ng	99
37) 2-Methylnaphthalene	8.97	142	1009817	36.827	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.13	216	469744	39.203	ng	# 98
40) Hexachlorocyclopentadiene	9.11	237	59747	9.809	ng	96

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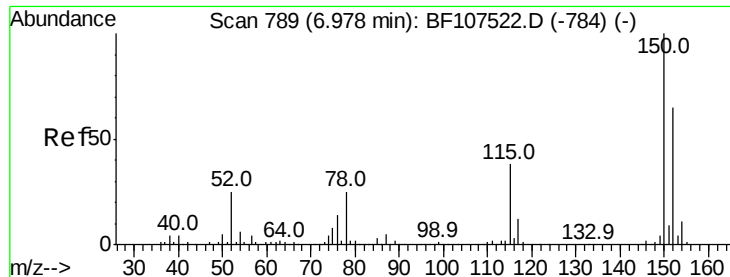
Manual Integrations
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Quant Time: Jul 25 04:23:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.25	196	297423	38.779	nq	98
43) 2,4,5-Trichlorophenol	9.30	196	315709	39.385	nq	95
45) 1,1'-Biphenyl	9.43	154	1193191	38.128	nq	99
46) 2-Chloronaphthalene	9.46	162	876458	36.640	nq	99
47) 2-Nitroaniline	9.56	65	327611	46.978	nq	88
48) Acenaphthylene	9.88	152	1407086	39.158	nq	99
49) Dimethylphthalate	9.72	163	1290450	47.662	nq	98
50) 2,6-Dinitrotoluene	9.80	165	207249	38.554	nq	93
51) Acenaphthene	10.05	154	794122	35.272	nq	100
52) 3-Nitroaniline	9.98	138	237790	36.362	nq	95
53) 2,4-Dinitrophenol	10.10	184	2777	9.786	nq #	35
54) Dibenzofuran	10.22	168	1189781	35.896	nq	98
55) 4-Nitrophenol	10.15	139	285576	58.326	nq	98
56) 2,4-Dinitrotoluene	10.20	165	251937	38.827	nq	95
57) Fluorene	10.57	166	912533	38.590	nq	94
58) 2,3,4,6-Tetrachlorophenol	10.34	232	247664	37.124	nq #	85
59) Diethylphthalate	10.42	149	1029891	36.422	nq	98
60) 4-Chlorophenyl-phenylether	10.55	204	450028	33.664	nq	90
61) 4-Nitroaniline	10.60	138	249809	45.466	nq	96
62) Azobenzene	10.71	77	850095	32.061	nq	93
64) 4,6-Dinitro-2-methylphenol	10.61	198	10003	11.467	nq #	52
65) n-Nitrosodiphenylamine	10.67	169	821108	39.692	nq	99
66) 4-Bromophenyl-phenylether	11.04	248	263871	36.800	nq	90
67) Hexachlorobenzene	11.11	284	276678	35.069	nq #	86
68) Atrazine	11.19	200	228563	36.187	nq	94
69) Pentachlorophenol	11.31	266	226922	46.048	nq	98
70) Phenanthrene	11.53	178	1223563	41.222	nq	99
71) Anthracene	11.58	178	1210977	40.520	nq	99
72) Carbazole	11.74	167	1106295	35.598	nq	99
73) Di-n-butylphthalate	12.05	149	1332399	40.438	nq	100
74) Fluoranthene	12.72	202	1394610	43.785	nq	97
76) Benzidine	12.86	184	35096	2.933	nq #	62
77) Pyrene	12.96	202	1366455	48.083	nq	98
79) Butylbenzylphthalate	13.56	149	506996	41.484	nq	92
80) Benzo(a)anthracene	14.15	228	1020540	41.916	nq	100
81) 3,3'-Dichlorobenzidine	14.11	252	188281	22.506	nq	97
82) Chrysene	14.19	228	991207	42.381	nq	99
83) Bis(2-ethylhexyl)phthalate	14.11	149	683754	39.651	nq	98
84) Di-n-octyl phthalate	14.74	149	1092037	40.741	nq	96
85) Indeno(1,2,3-cd)pyrene	17.28	276	708053	35.721	nq #	91
87) Benzo(b)fluoranthene	15.24	252	886380	45.783	nq	98
88) Benzo(k)fluoranthene	15.27	252	723837	38.161	nq	98
89) Benzo(a)pyrene	15.63	252	769344	43.442	nq	97
90) Dibenzo(a,h)anthracene	17.29	278	571952	37.361	nq	97
91) Benzo(g,h,i)perylene	17.77	276	581167	38.487	nq #	94

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



#1

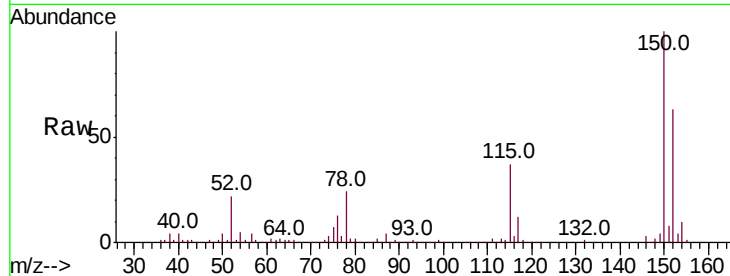
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
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GL-TOPSOIL-03MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.6	186.8
115	59.0	50.1	75.1

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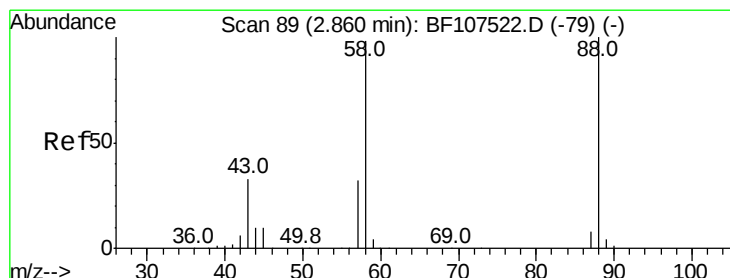
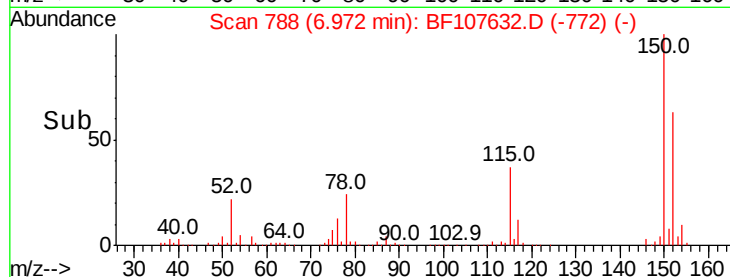
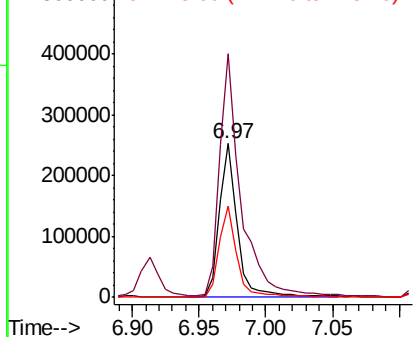


Abundance

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: 27.010 ng
RT: 2.88 min Scan# 93
Delta R.T. 0.02 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

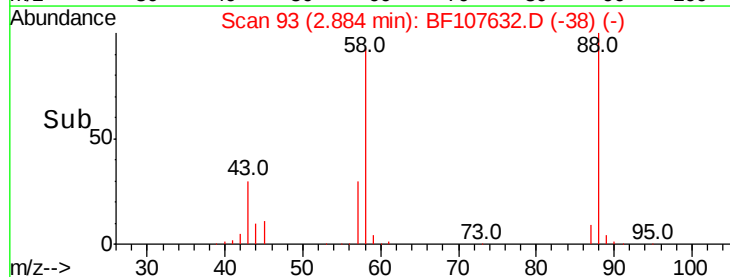
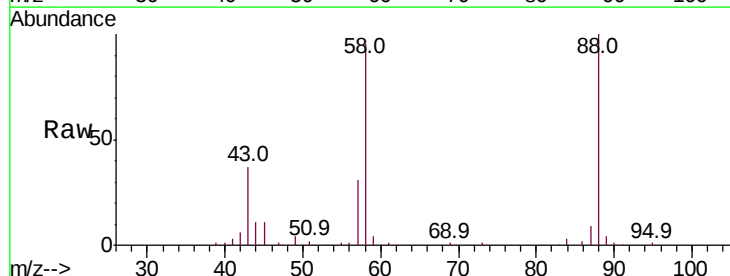
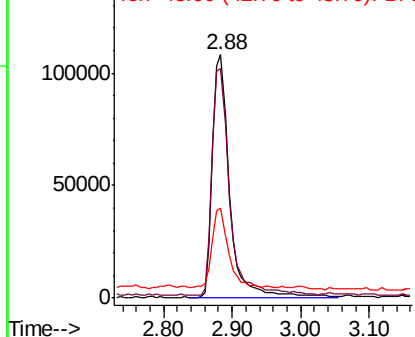
Tgt Ion	Ratio	Lower	Upper
88	100		
58	93.6	62.6	93.8
43	31.4	24.6	37.0

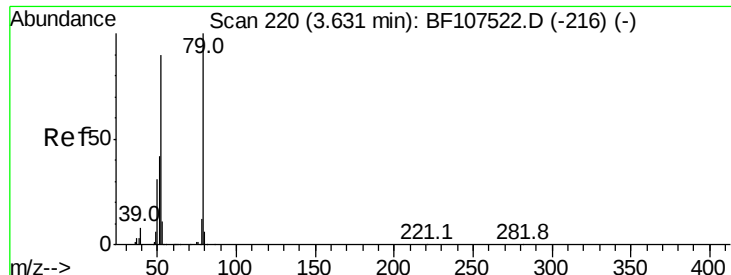
Abundance

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: 26.628 ng

RT: 3.67 min Scan# 226

Delta R.T. 0.04 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

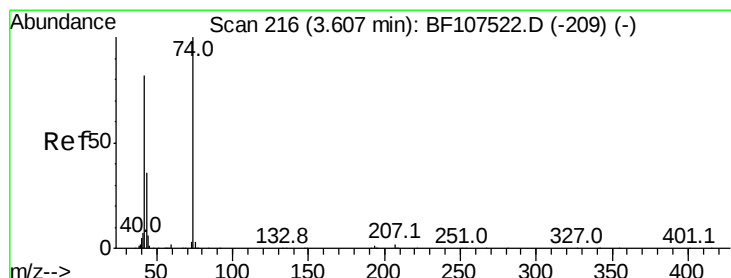
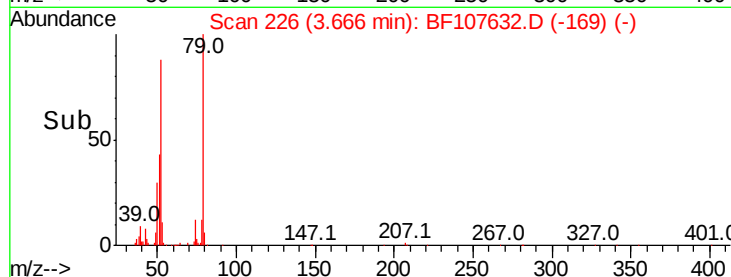
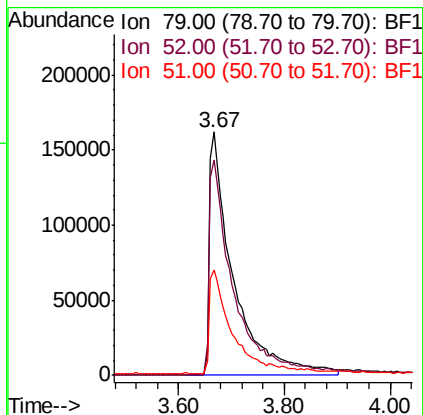
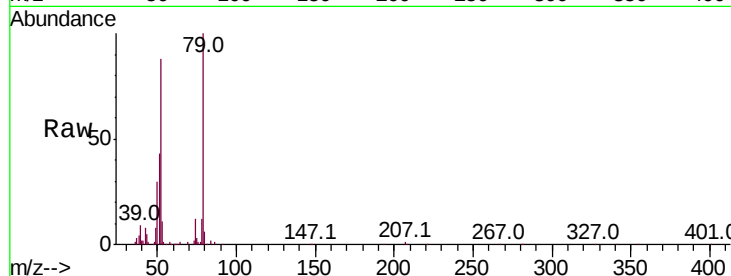
ClientSampleId :

GL-TOPSOIL-03MSD

Tot Ion:	79	Resp:	510977
Ion Ratio	Lower	Upper	
79	100		
52	88.5	59.8	89.6
51	43.3	29.8	44.8

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#4

n-Nitrosodimethylamine

Concen: 31.482 ng

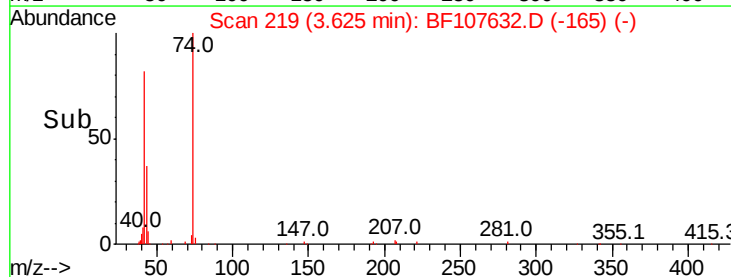
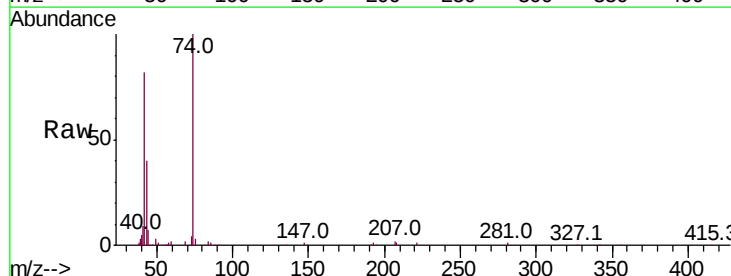
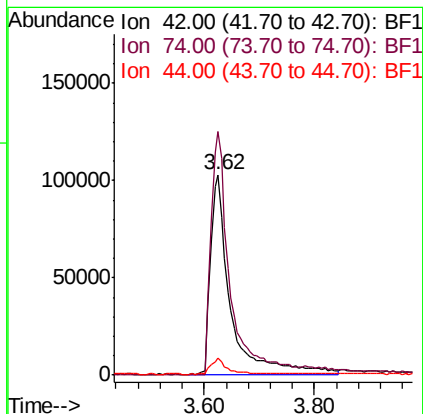
RT: 3.62 min Scan# 219

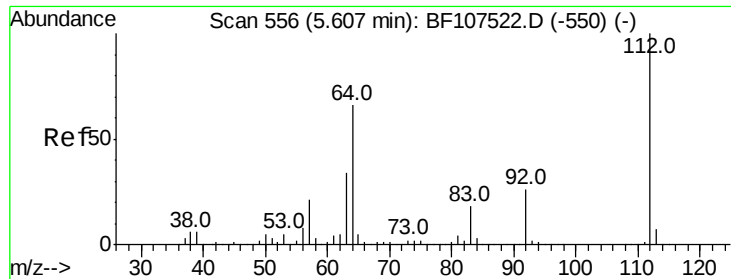
Delta R.T. 0.02 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Tgt Ion:	42	Resp:	254794
Ion Ratio	Lower	Upper	
42	100		
74	121.4	104.9	157.3
44	8.4	6.9	10.3





#5

2-Fluorophenol

Concen: 108.133 ng

RT: 5.61 min Scan# 557

Delta R.T. 0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD

Tot Ion:112 Resp: 1638744

Ion Ratio Lower Upper

112 100

64 64.8 47.9 71.9

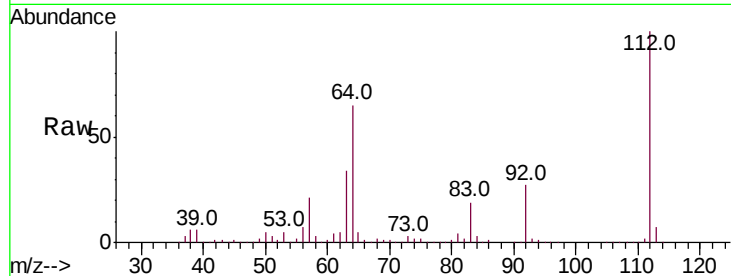
63 34.2 23.7 35.5

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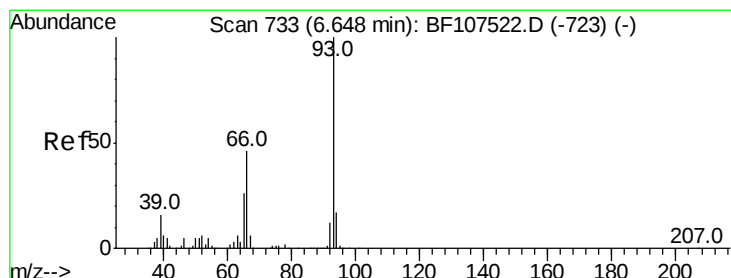
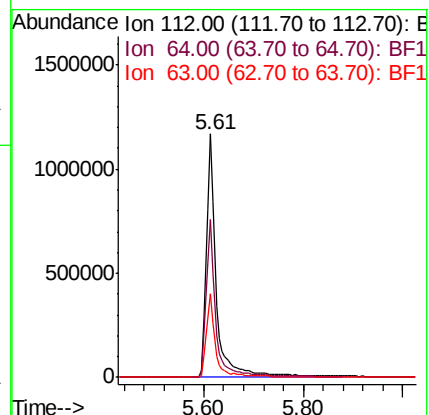
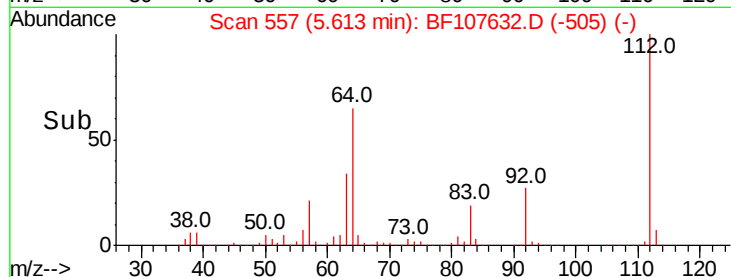
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 19.679 ng

RT: 6.65 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

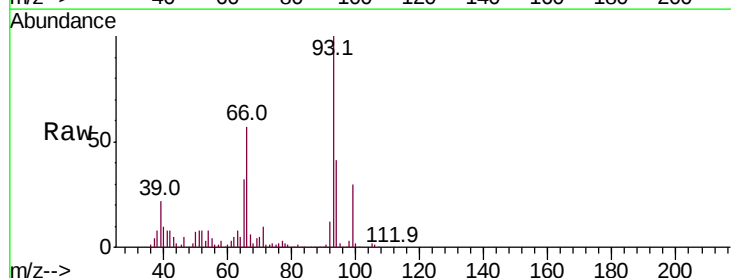
Tgt Ion: 93 Resp: 461863

Ion Ratio Lower Upper

93 100

66 56.9 32.2 48.2#

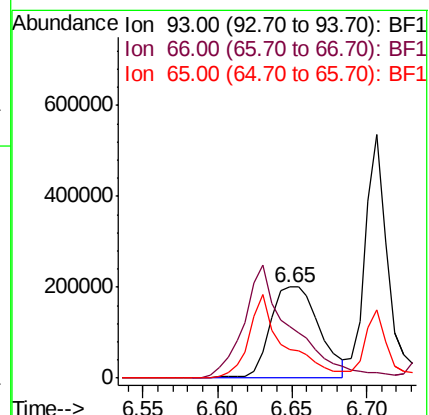
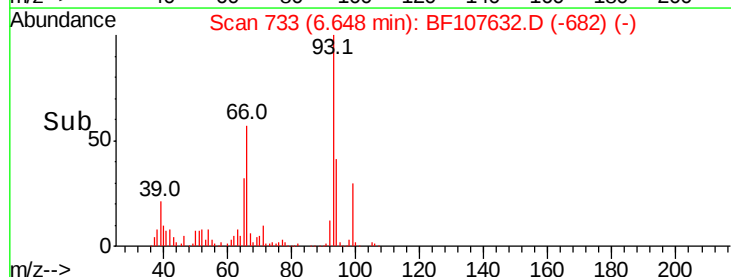
65 31.8 16.4 24.6#

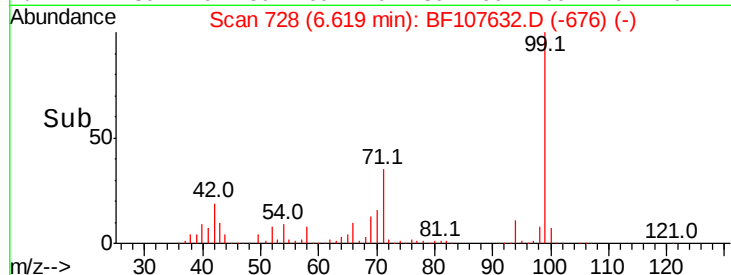
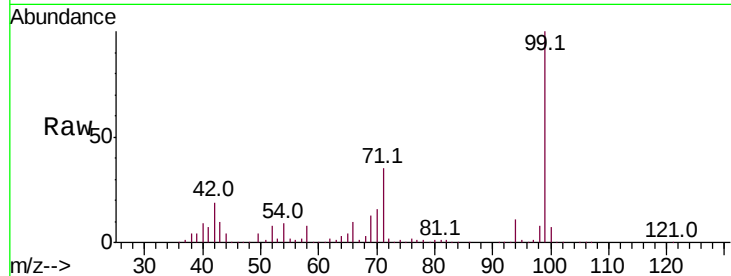
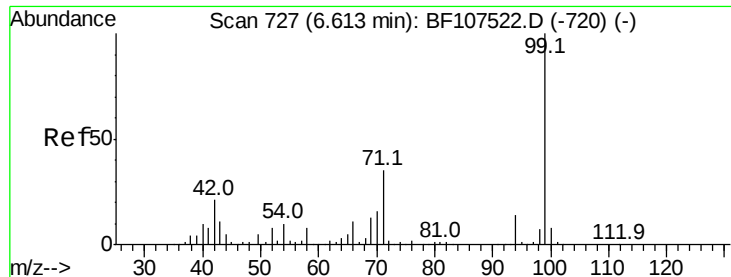


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 103.148 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Tot Ion: 99 Resp: 1876993

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

71 34.7 25.4 38.0

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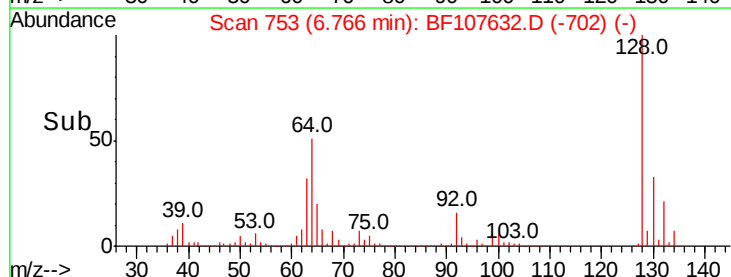
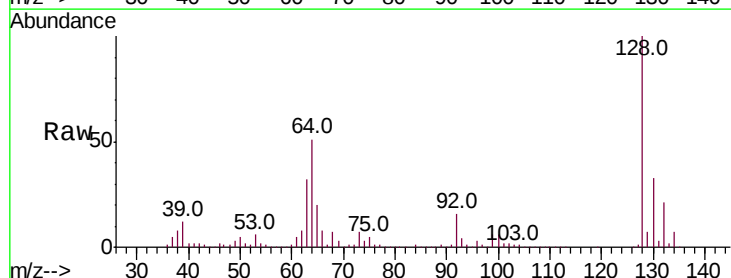
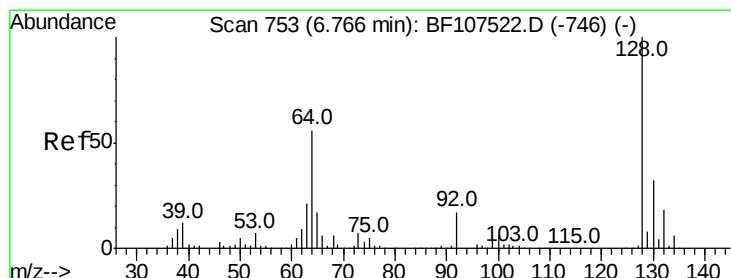
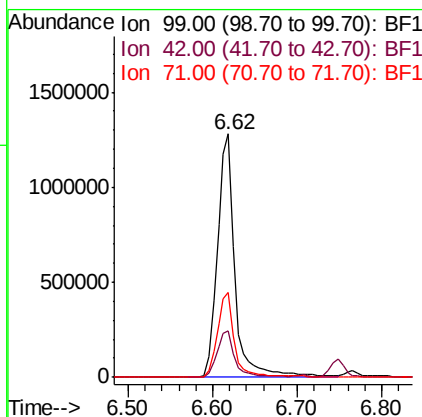
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#8

2-Chlorophenol

Concen: 35.515 ng

RT: 6.77 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

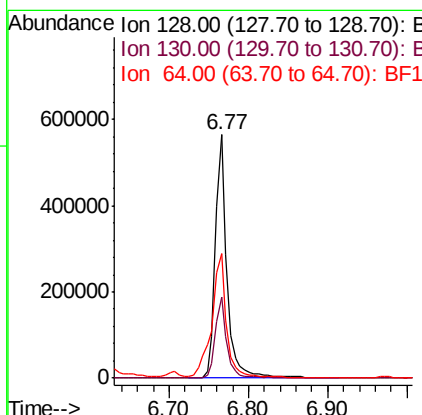
Tgt Ion:128 Resp: 576631

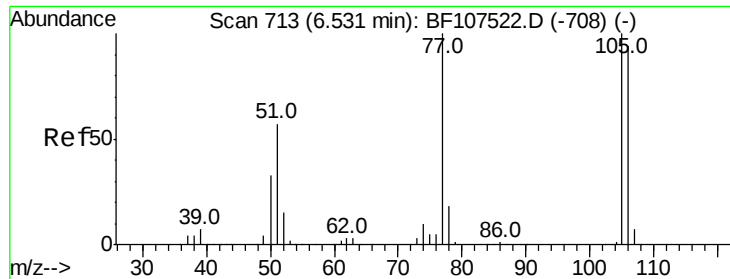
Ion Ratio Lower Upper

128 100

130 33.3 13.0 53.0

64 51.4 29.4 69.4





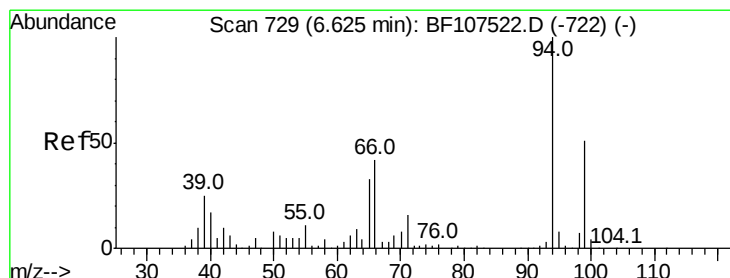
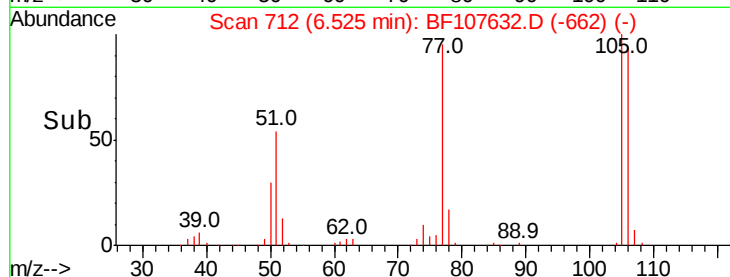
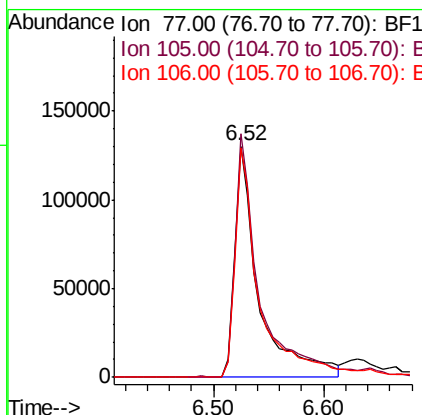
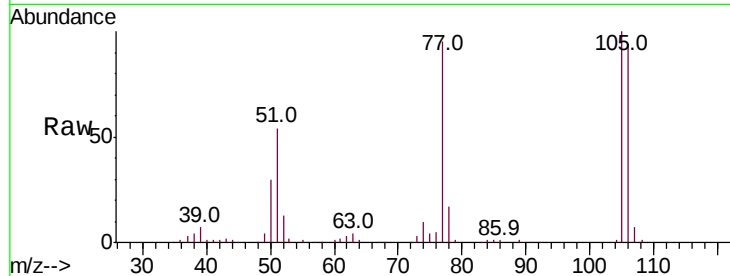
#9
Benzaldehyde
Concen: 14.880 ng
RT: 6.52 min Scan# 712
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	105.3	81.1	121.1
106	99.1	74.5	114.5

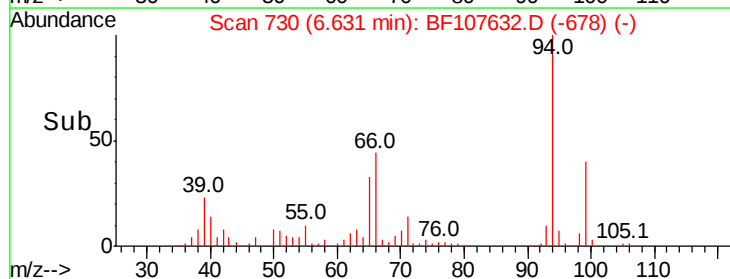
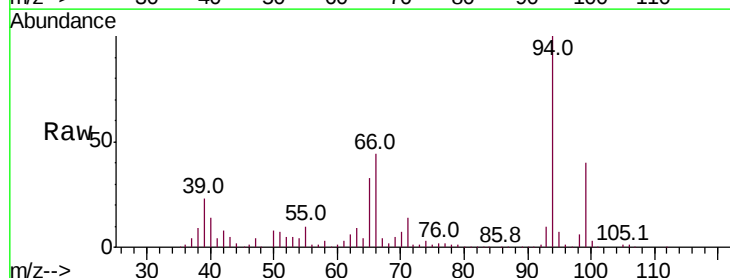
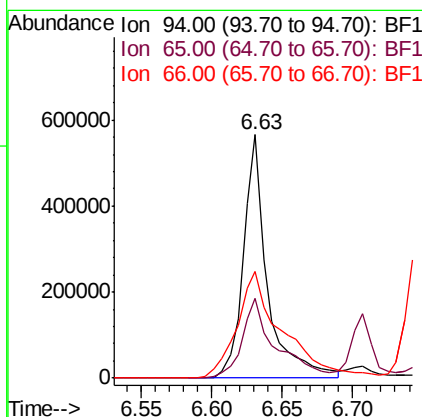
Manual Integrations
APPROVED

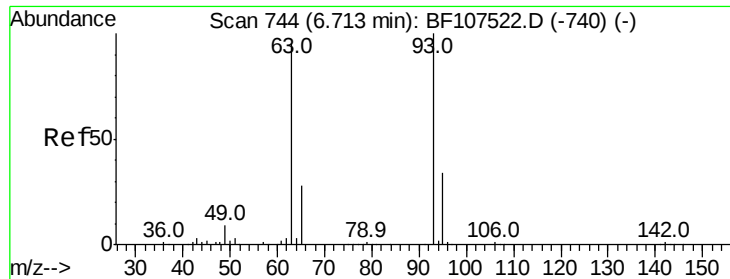
Sohil
7/25/2018 12:58:38 PM



#10
Phenol
Concen: 31.288 ng
RT: 6.63 min Scan# 730
Delta R.T. 0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Lower	Upper
94	100		
65	32.7	7.9	47.9
66	43.9	16.2	56.2





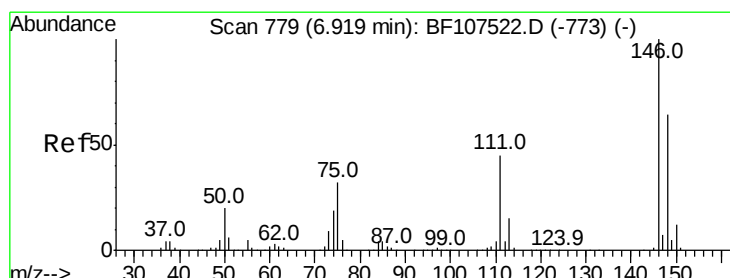
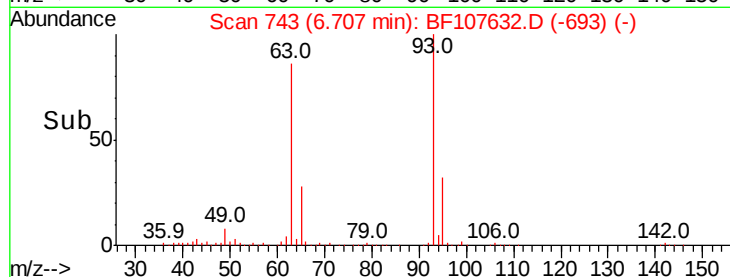
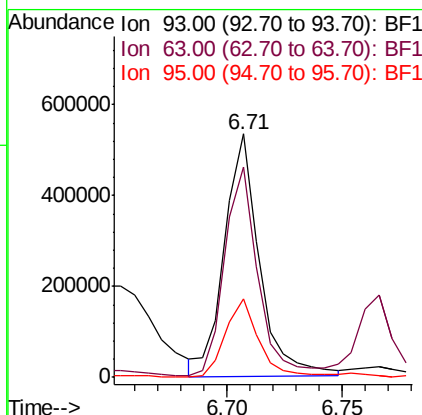
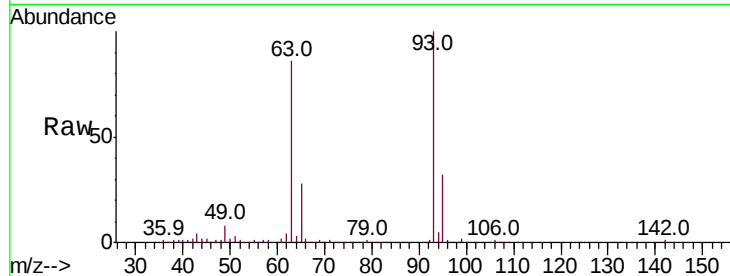
#11
bis(2-Chloroethyl)ether
Concen: 32.110 ng
RT: 6.71 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion	93	Resp	569719
Ion Ratio	100	Lower	Upper
93	100		
63	86.3	58.6	98.6
95	32.4	11.8	51.8

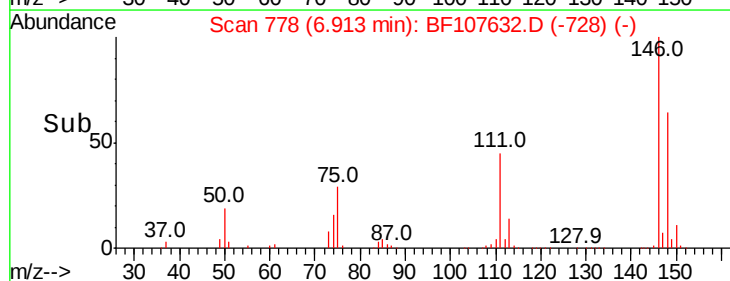
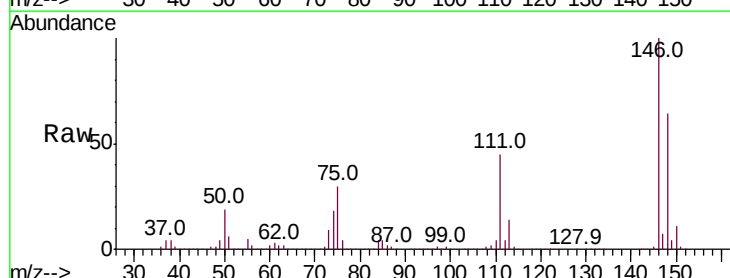
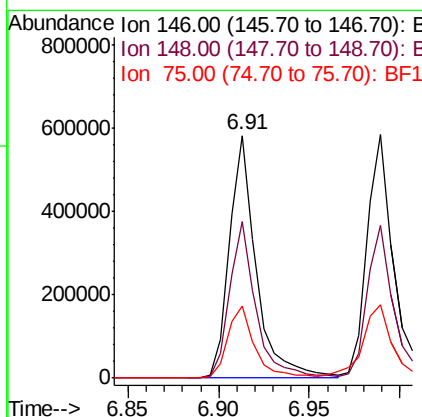
Manual Integrations
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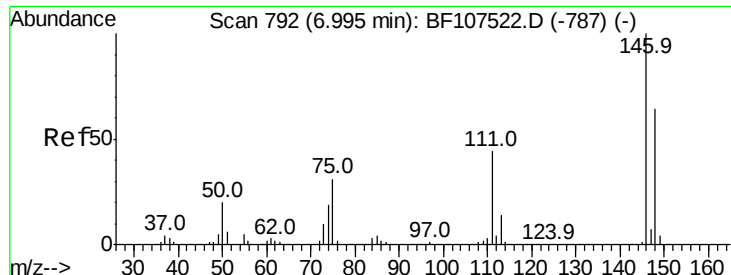
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#12
1,3-Dichlorobenzene
Concen: 32.816 ng
RT: 6.91 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion	146	Resp	604104
Ion Ratio	100	Lower	Upper
146	100		
148	64.2	51.8	77.8
75	29.7	24.2	36.4





#13

1,4-Dichlorobenzene

Concen: 34.237 ng

RT: 6.99 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

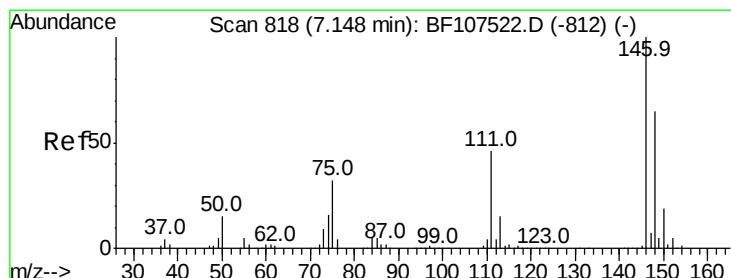
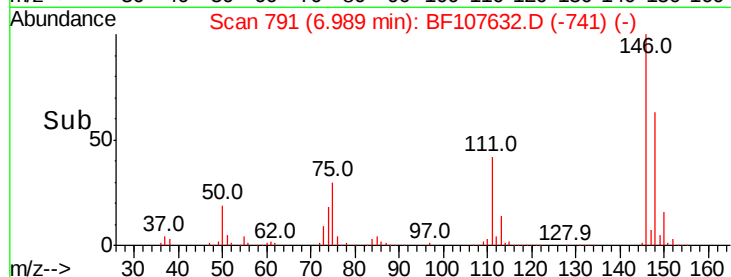
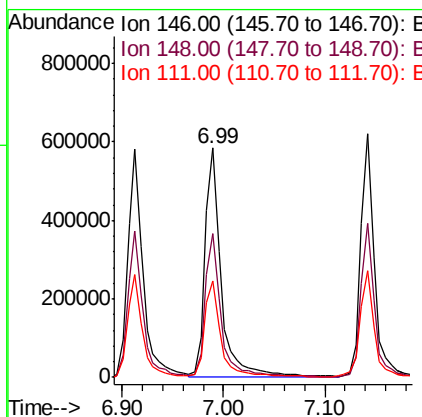
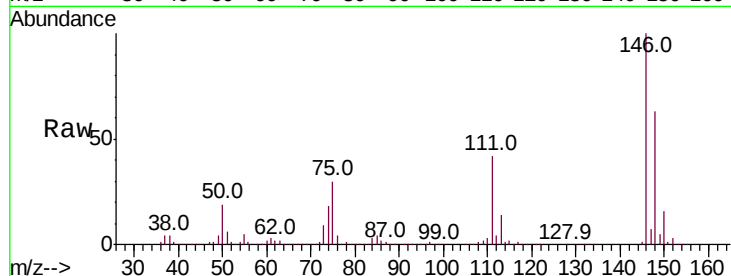
ClientSampleId :

GL-TOPSOIL-03MSD

Tot Ion:	146	Resp:	645962
Ion Ratio	Lower	Upper	
146	100		
148	62.6	50.8	76.2
111	42.0	34.2	51.2

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#14

1,2-Dichlorobenzene

Concen: 33.829 ng

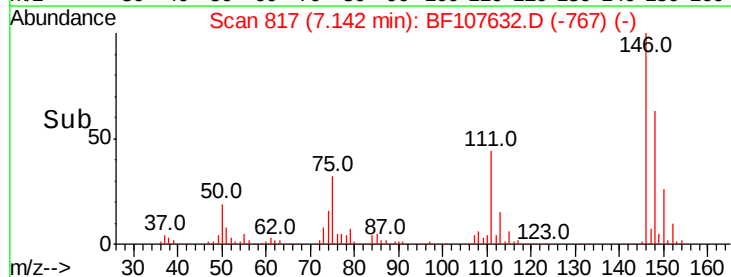
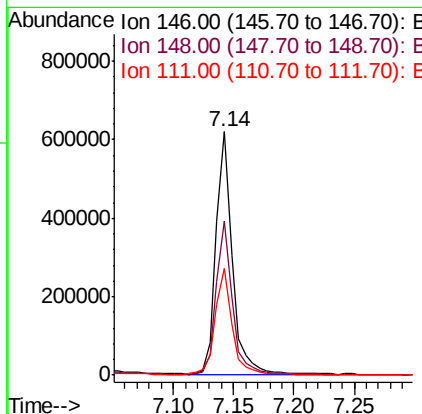
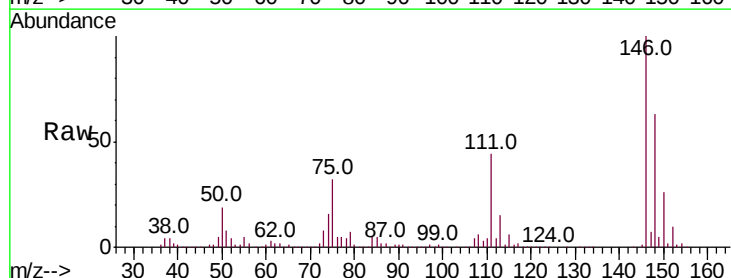
RT: 7.14 min Scan# 817

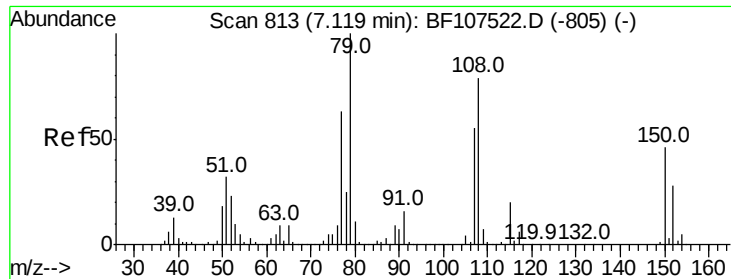
Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Tgt Ion:	146	Resp:	572792
Ion Ratio	Lower	Upper	
146	100		
148	63.1	50.6	75.8
111	44.0	36.0	54.0





#15

Benzyl Alcohol

Concen: 37.088 ng

RT: 7.11 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD

Tot Ion: 79 Resp: 459962

Ion Ratio Lower Upper

79 100

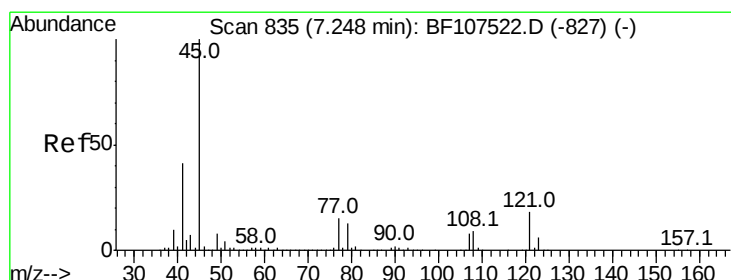
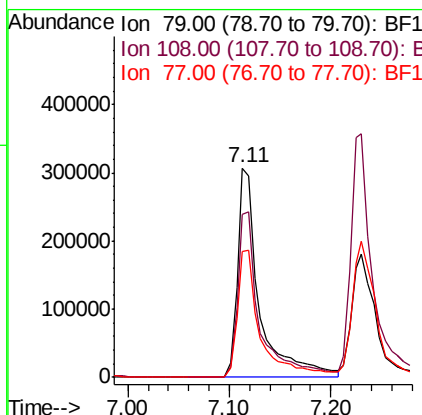
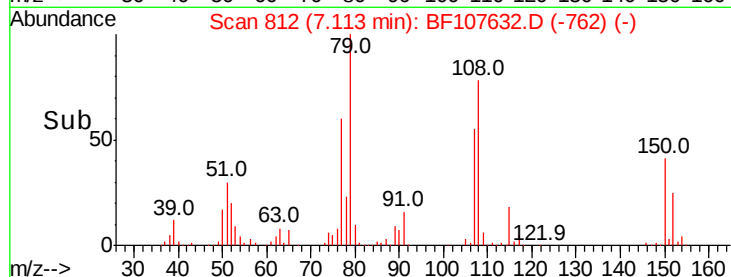
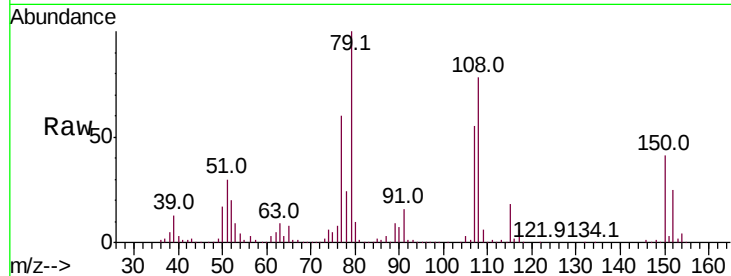
108 77.9 65.1 97.7

77 60.0 50.6 75.8

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#16

2,2'-oxybis(1-chloropropane)

Concen: 30.582 ng

RT: 7.24 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

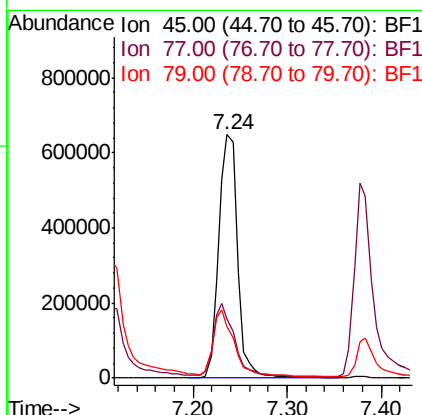
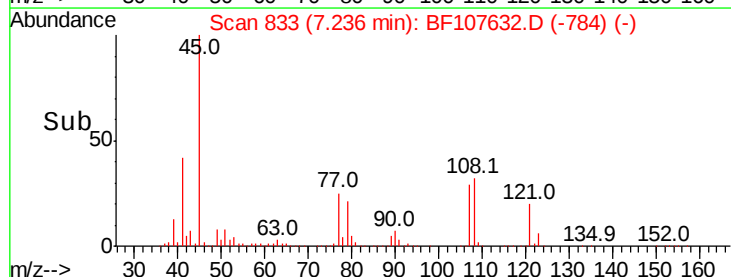
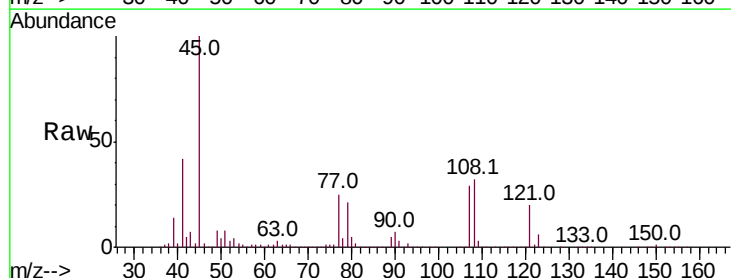
Tgt Ion: 45 Resp: 915410

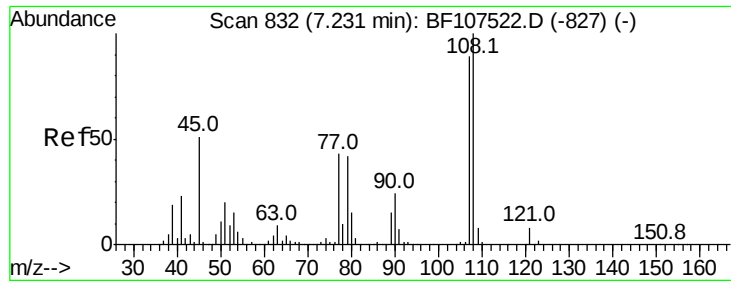
Ion Ratio Lower Upper

45 100

77 24.6 0.0 32.9

79 21.2 0.0 29.6





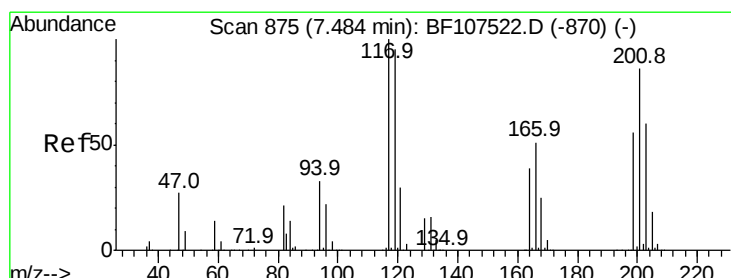
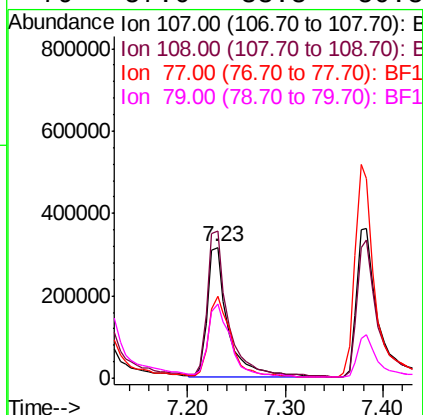
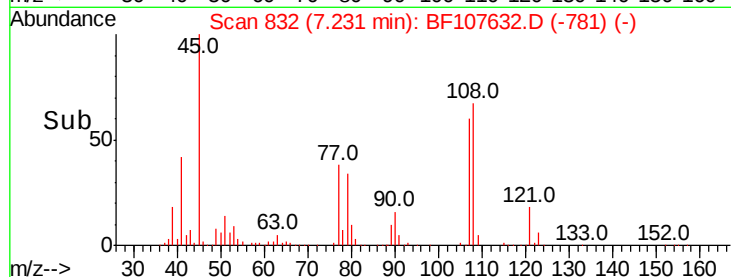
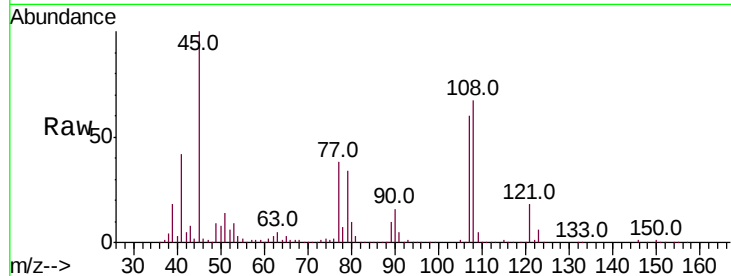
#17
2-Methylphenol
Concen: 33.865 ng
RT: 7.23 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	112.5	91.7	137.5
77	63.1	33.8	50.8#
79	57.0	33.8	50.8#

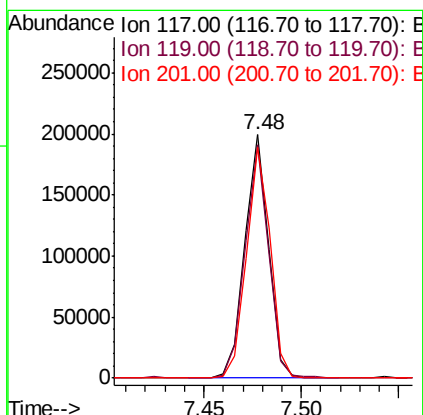
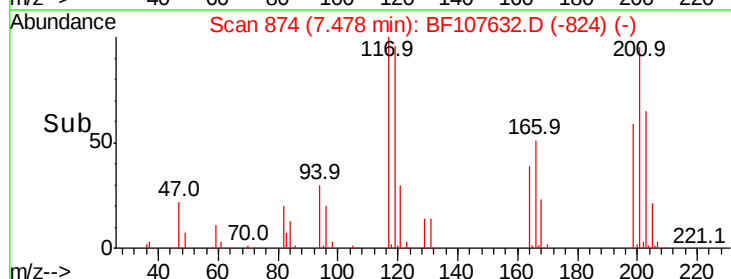
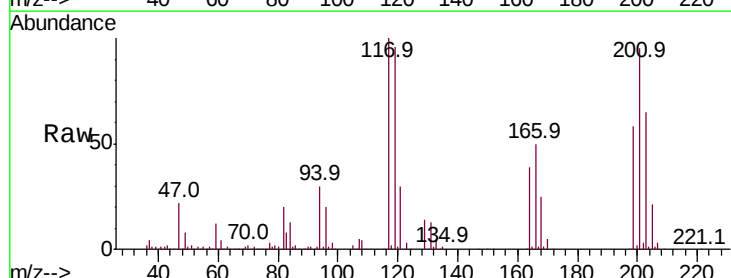
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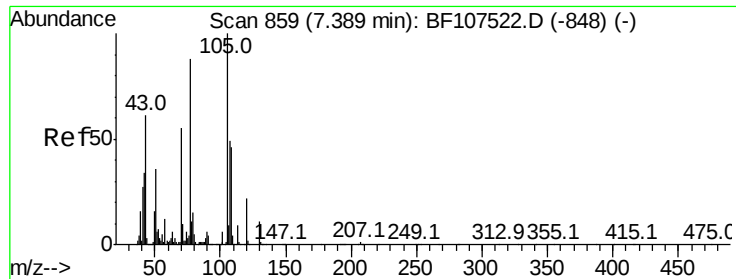
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#18
Hexachloroethane
Concen: 25.371 ng
RT: 7.48 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.8	113.8
201	94.7	75.7	113.5





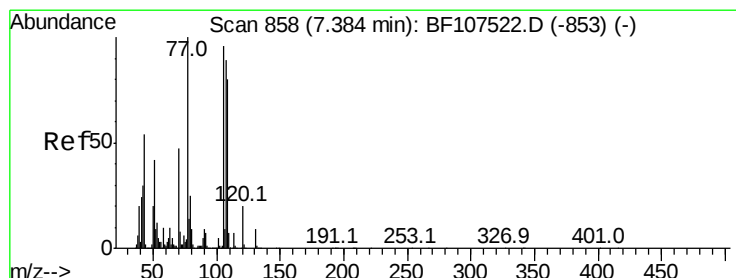
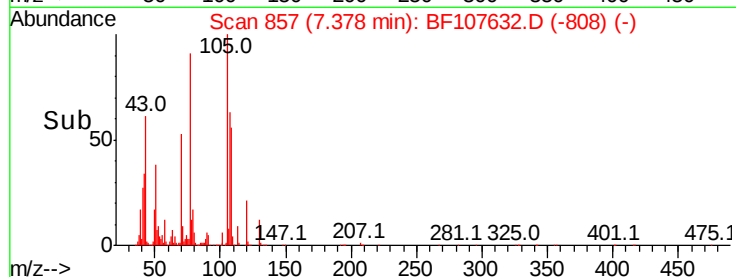
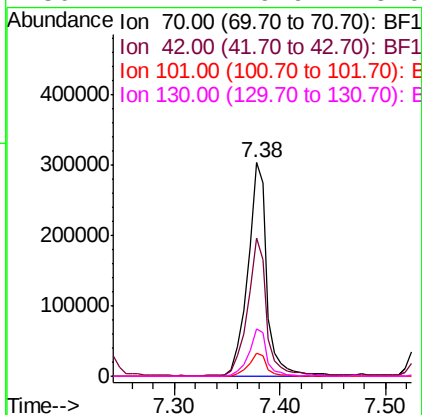
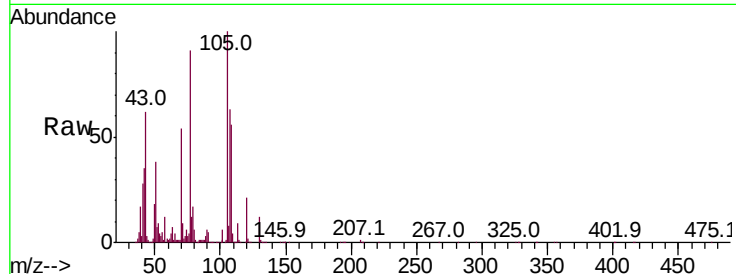
#19
n-Nitroso-di-n-propylamine
Concen: 32.596 ng
RT: 7.38 min Scan# 857
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	64.6	47.5	71.3
101	10.5	7.4	11.2
130	22.1	16.6	25.0

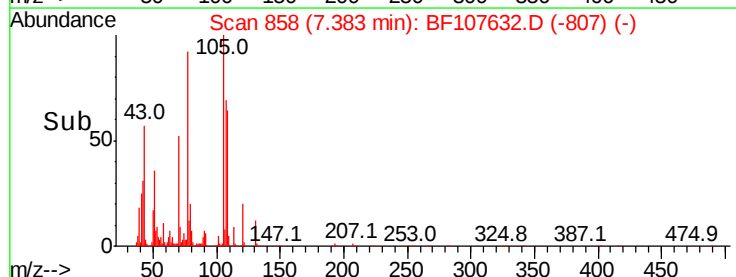
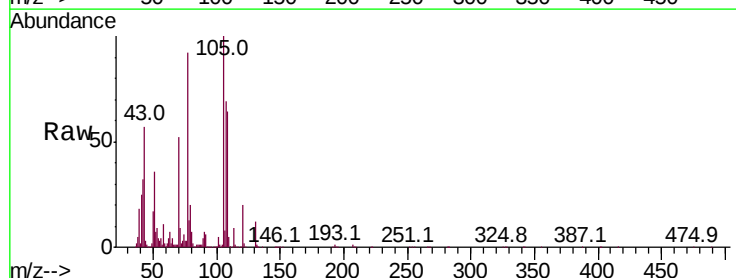
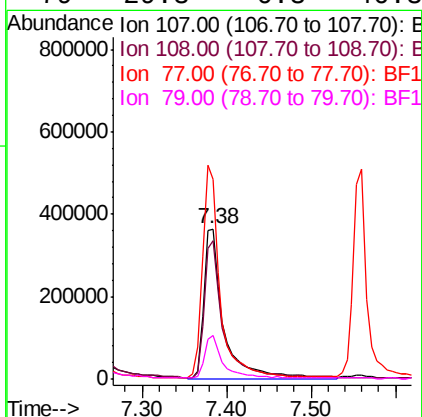
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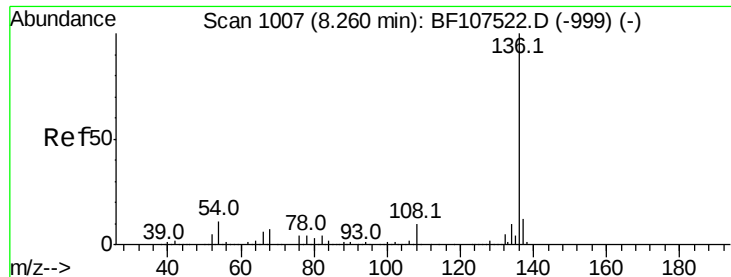
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#20
3+4-Methylphenols
Concen: 36.093 ng
RT: 7.38 min Scan# 858
Delta R.T. -0.00 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.7	68.2	108.2
77	133.3	26.7	66.7#
79	29.3	6.3	46.3





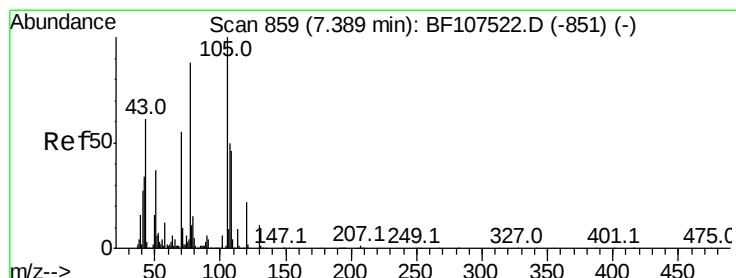
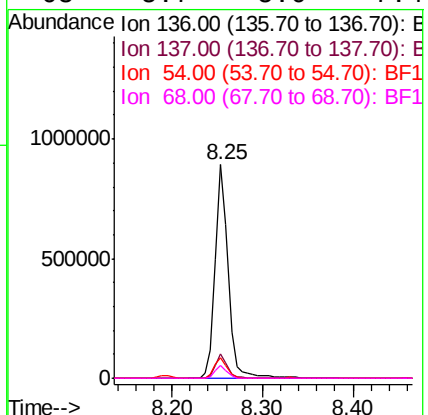
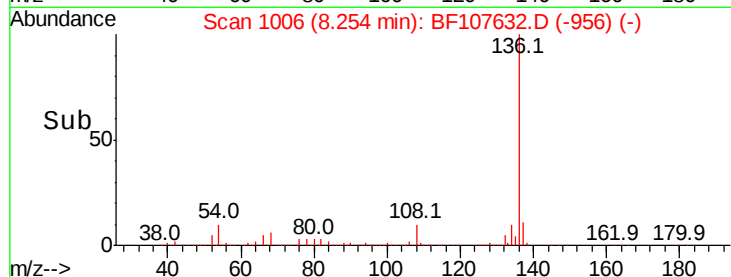
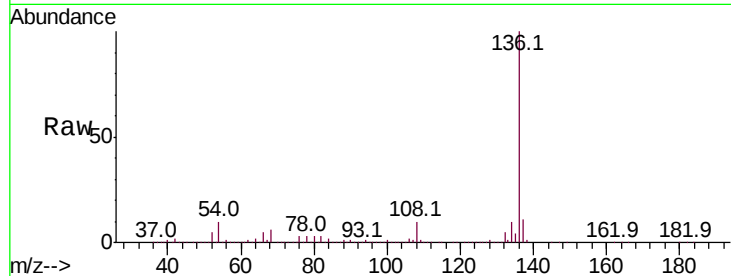
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	899860		
137	11.5	8.9	13.3	
54	9.7	6.6	9.8	
68	5.7	5.0	7.4	

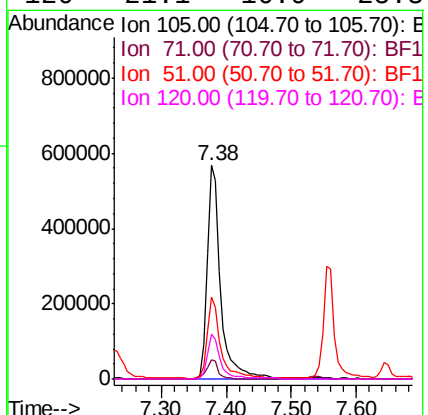
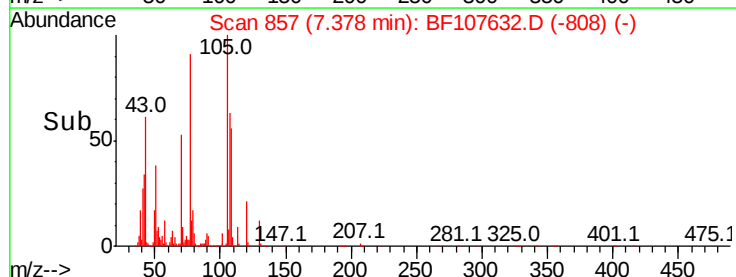
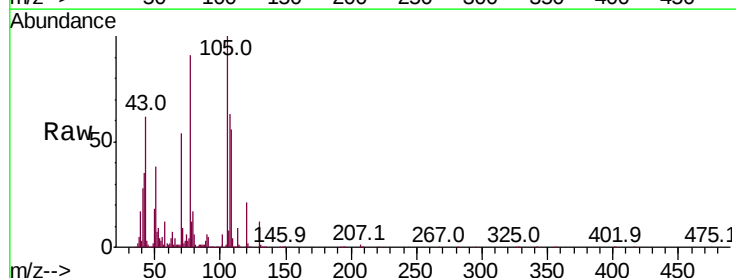
Manual Integrations
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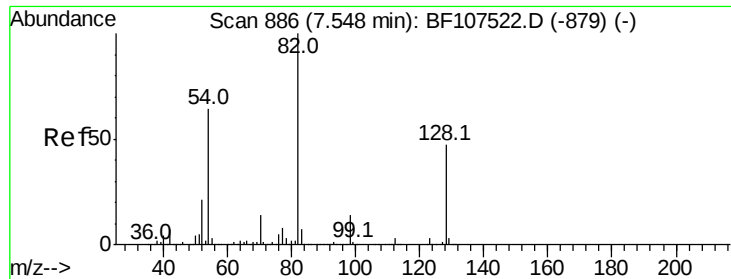
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#22
Acetophenone
Concen: 38.669 ng
RT: 7.38 min Scan# 857
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	817201		
71	9.3	4.4	6.6#	
51	38.1	22.3	33.5#	
120	21.1	16.9	25.3	





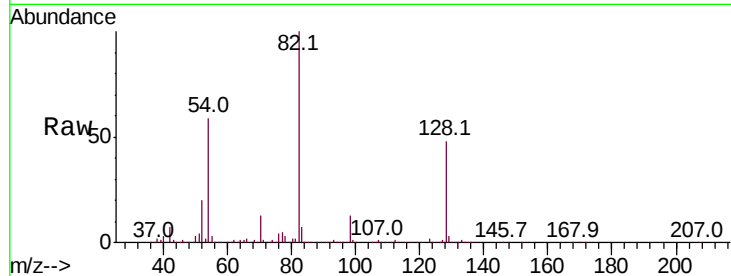
#23
Nitrobenzene-d5
Concen: 89.437 ng
RT: 7.54 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

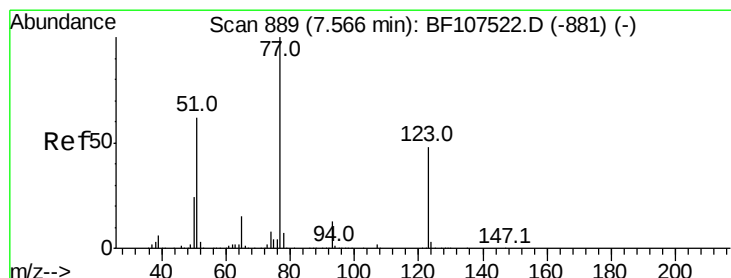
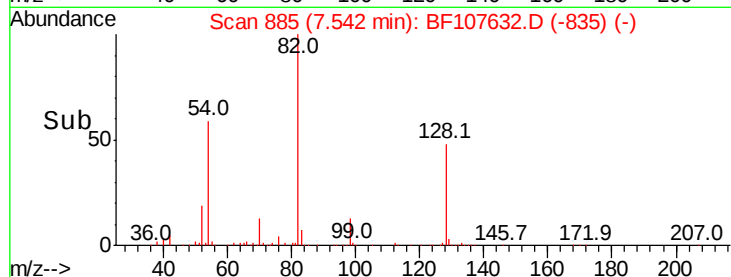
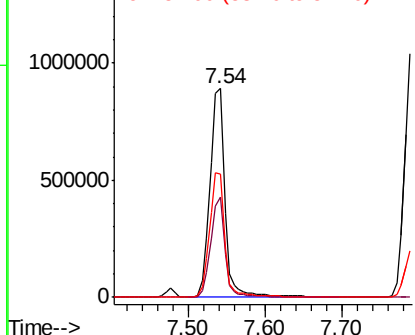
Tot Ion: 82 Resp: 1192526
Ion Ratio Lower Upper
82 100
128 48.2 36.1 54.1
54 59.0 41.4 62.2

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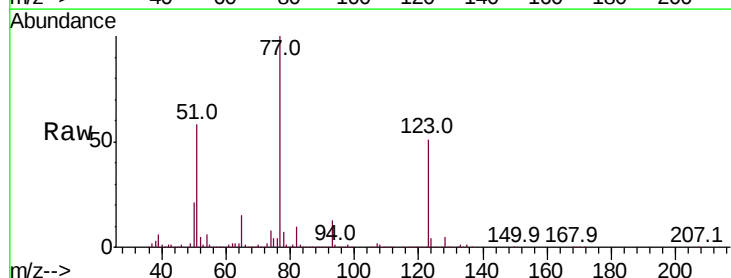


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

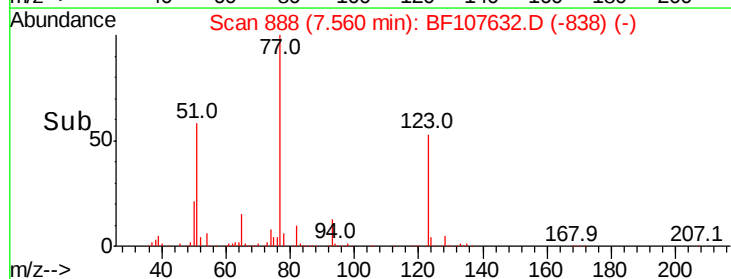
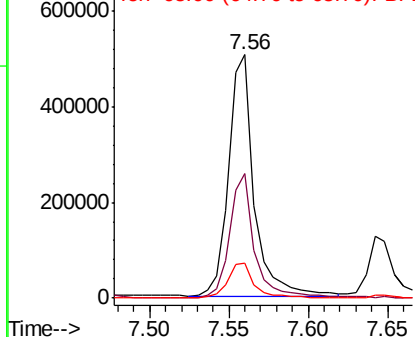


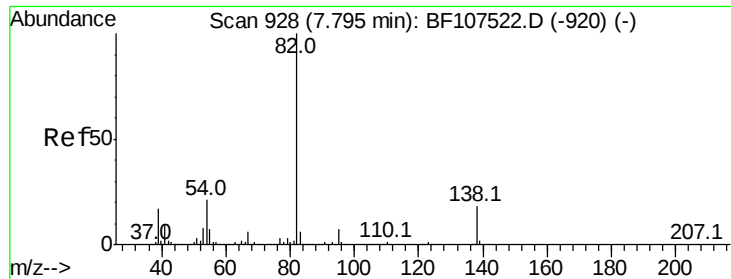
#24
Nitrobenzene
Concen: 37.381 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion: 77 Resp: 570884
Ion Ratio Lower Upper
77 100
123 51.2 37.9 56.9
65 14.5 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





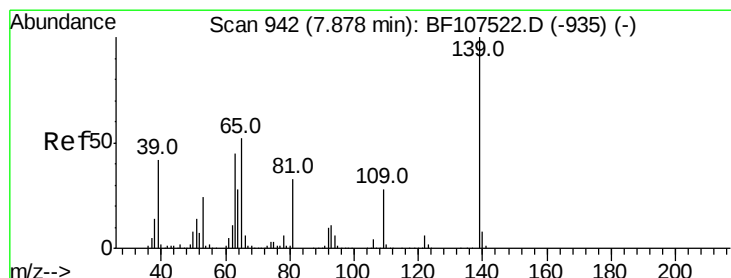
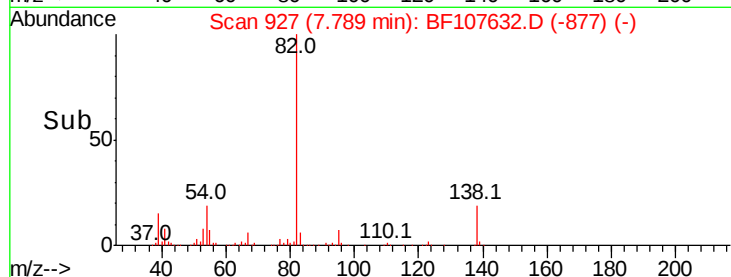
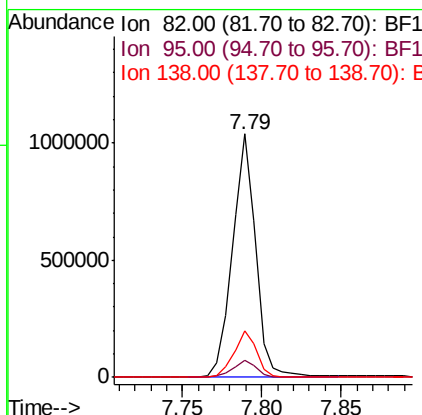
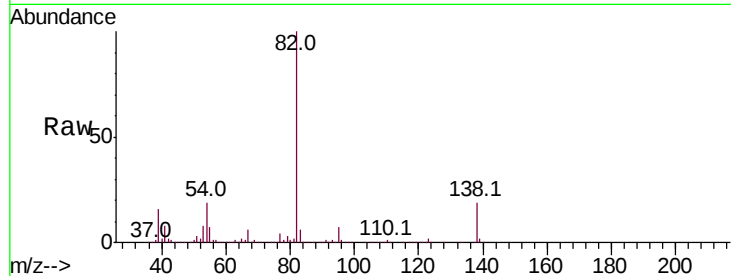
#25
Isophorone
Concen: 36.949 ng
RT: 7.79 min Scan# 927
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion: 82 Resp: 1051917
Ion Ratio Lower Upper
82 100
95 7.2 5.2 7.8
138 19.3 14.9 22.3

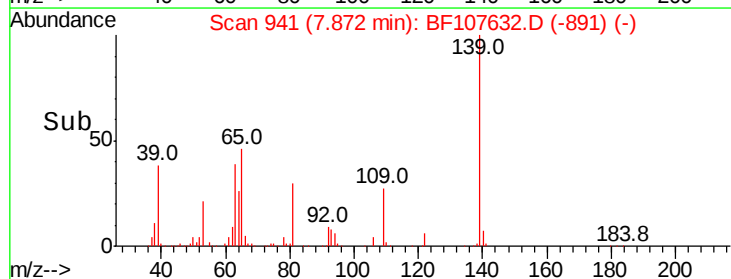
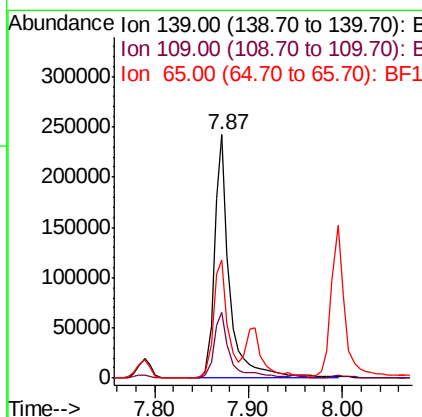
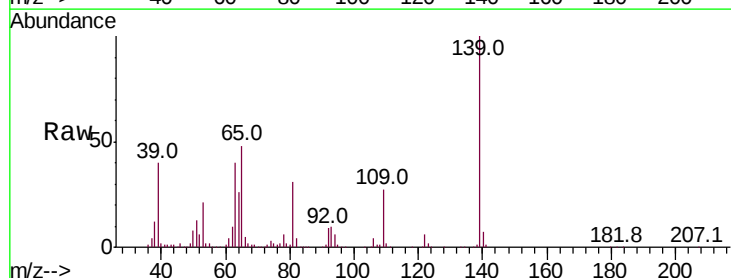
Manual Integrations
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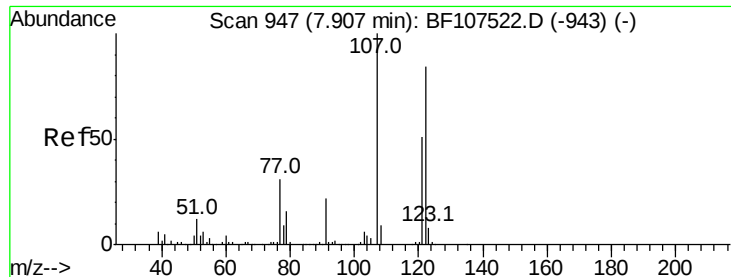
Sohil
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#26
2-Nitrophenol
Concen: 42.648 ng
RT: 7.87 min Scan# 941
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion: 139 Resp: 275045
Ion Ratio Lower Upper
139 100
109 27.1 22.7 34.1
65 48.3 40.5 60.7





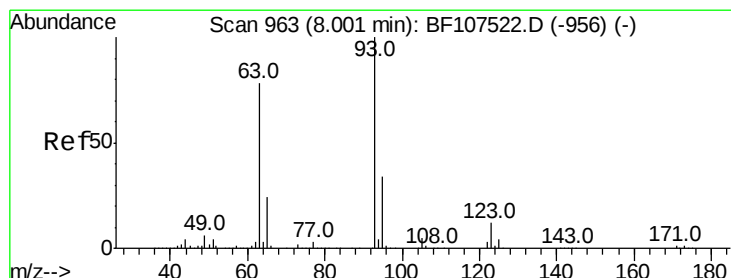
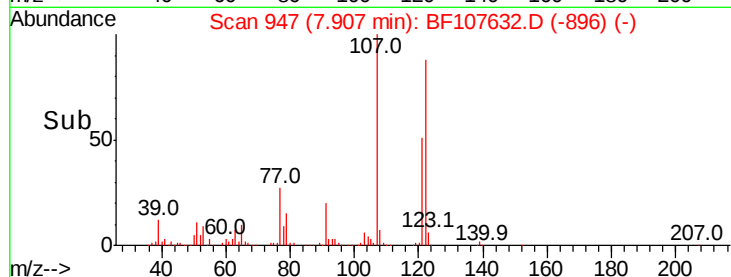
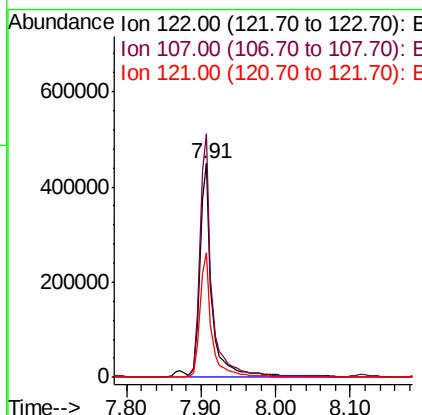
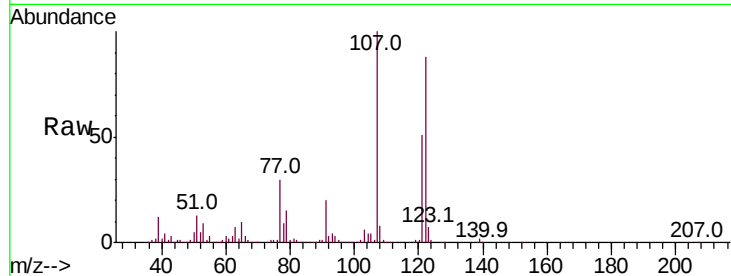
#27
2,4-Dimethylphenol
Concen: 41.577 ng
RT: 7.91 min Scan# 947
Delta R.T. -0.00 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	507557		
107	113.9	91.2	136.8	
121	58.1	47.2	70.8	

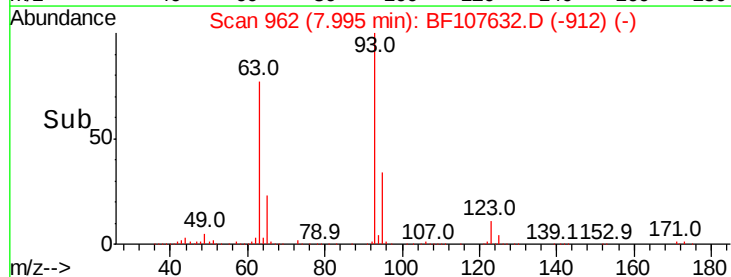
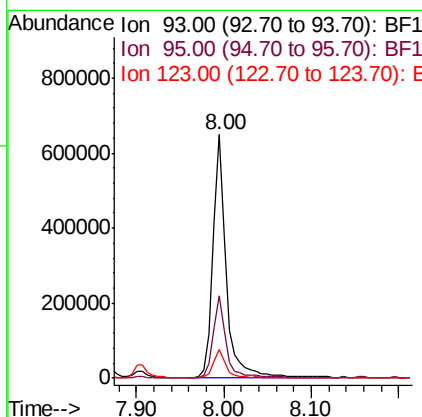
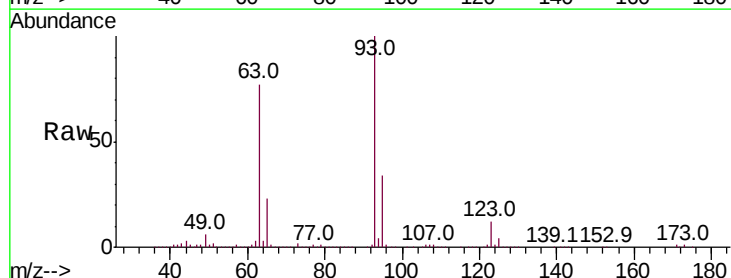
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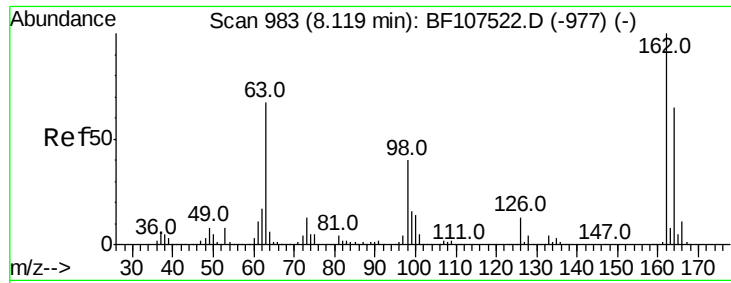
Sohil
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#28
bis(2-Chloroethoxy)methane
Concen: 36.209 ng
RT: 8.00 min Scan# 962
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	688909		
95	33.9	26.3	39.5	
123	11.6	9.8	14.6	





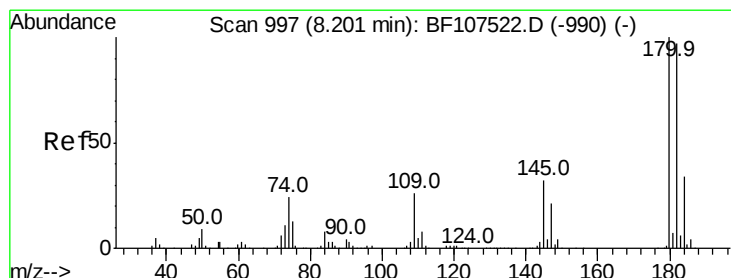
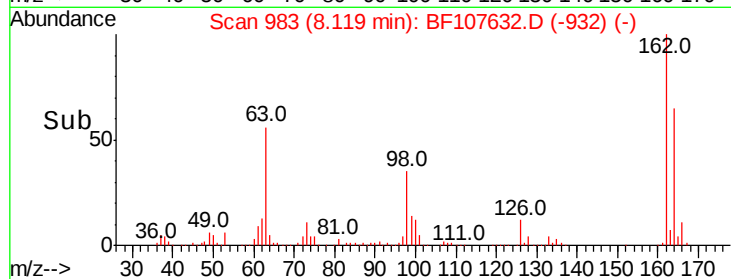
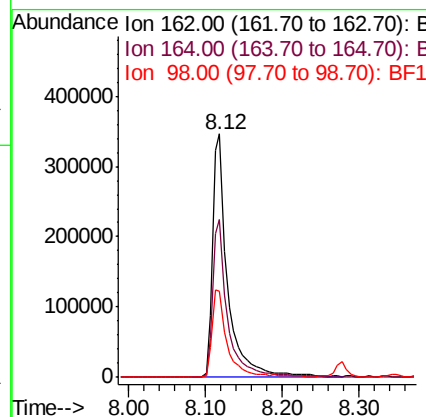
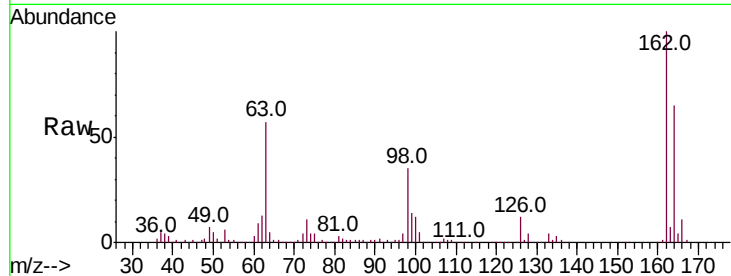
#29
2,4-Dichlorophenol
Concen: 37.661 ng
RT: 8.12 min Scan# 983
Delta R.T. -0.00 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	469920		
164	64.7	42.7	82.7	
98	35.4	18.1	58.1	

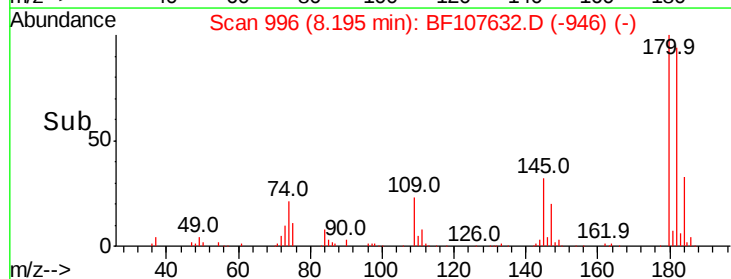
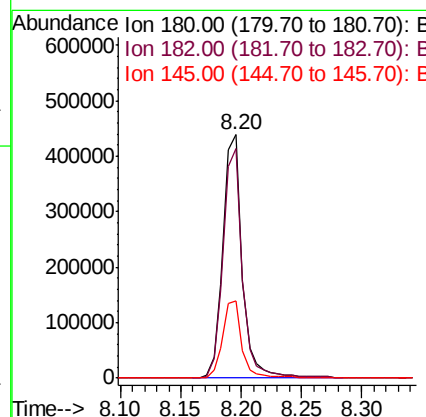
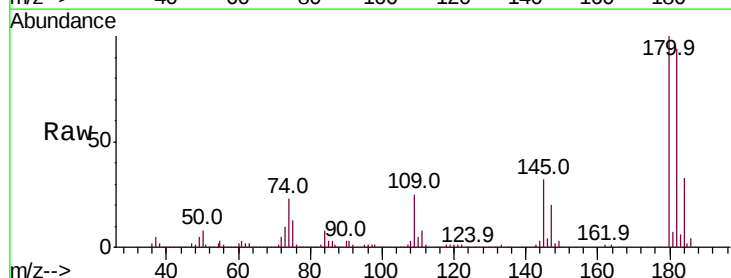
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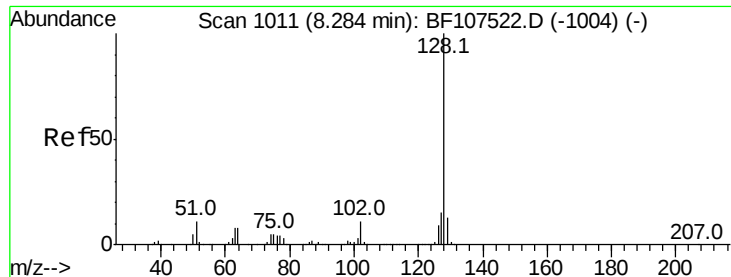
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#30
1,2,4-Trichlorobenzene
Concen: 34.643 ng
RT: 8.20 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	485490		
182	94.2	76.8	115.2	
145	31.6	26.5	39.7	





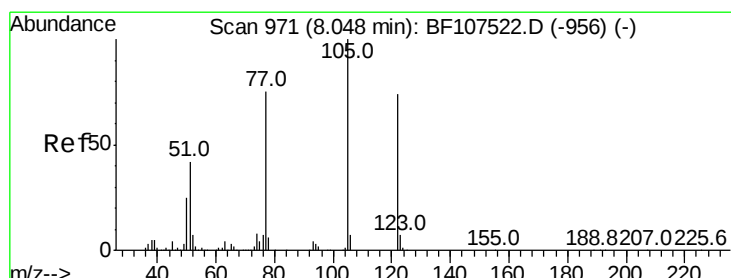
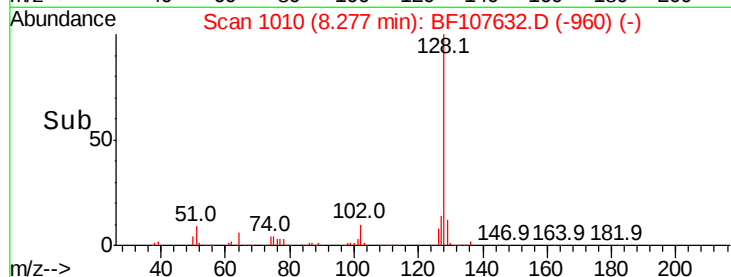
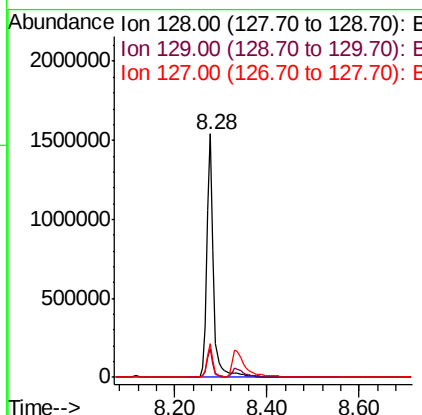
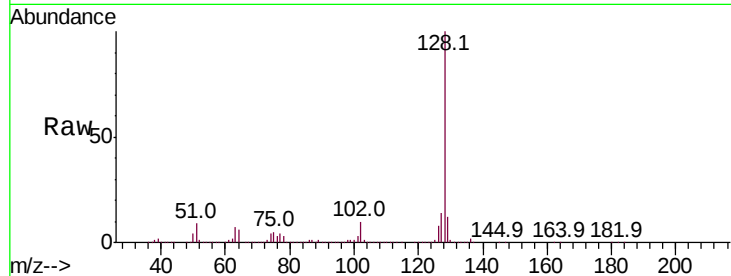
#31
Naphthalene
Concen: 39.798 ng
RT: 8.28 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion:128 Resp: 1574827
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 13.7 10.9 16.3

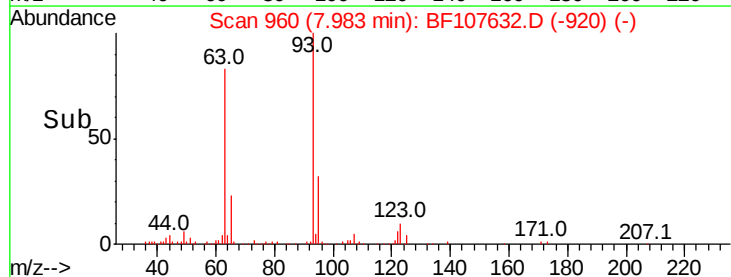
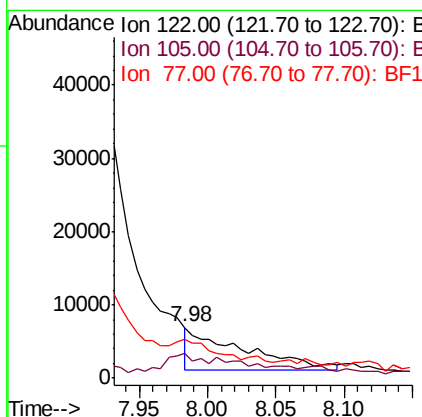
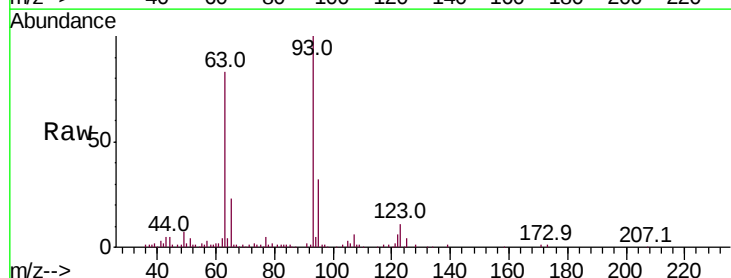
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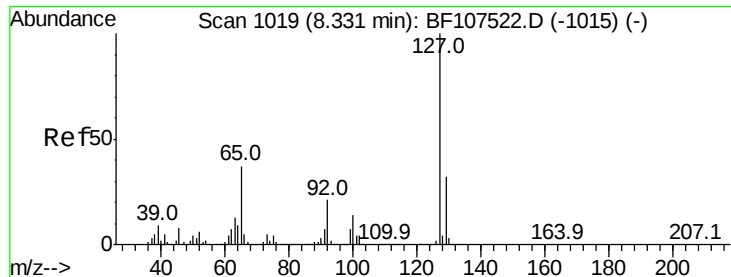
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#32
Benzoic acid
Concen: 9.484 ng m
RT: 7.98 min Scan# 960
Delta R.T. -0.06 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion:122 Resp: 16157
Ion Ratio Lower Upper
122 100
105 48.9 101.1 141.1#
77 77.2 70.7 110.7





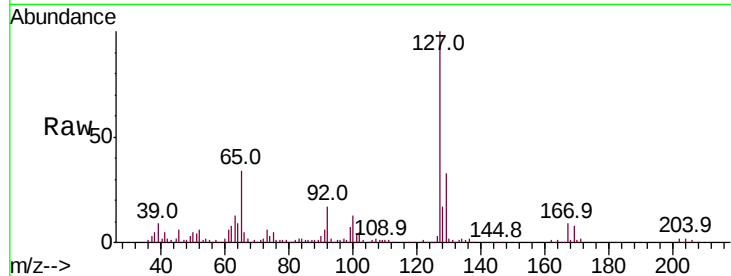
#33
4-Chloroaniline
Concen: 20.386 ng
RT: 8.33 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.7	25.9	38.9	
65	34.1	25.0	37.4	
92	17.1	15.2	22.8	

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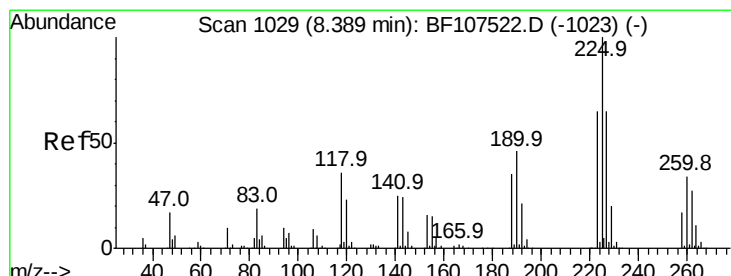
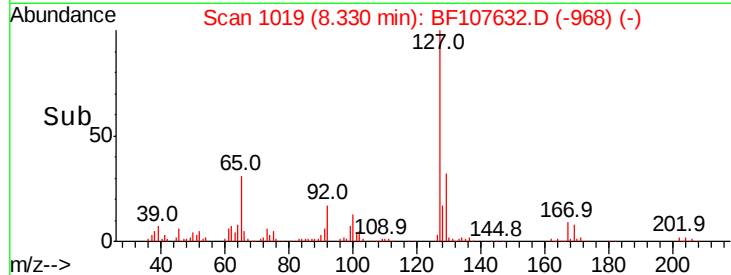
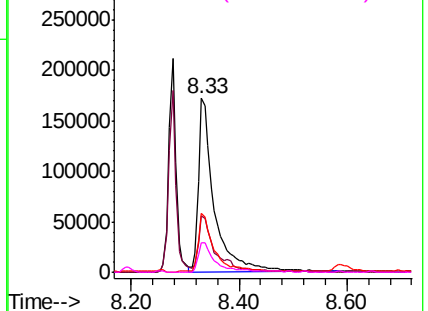
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

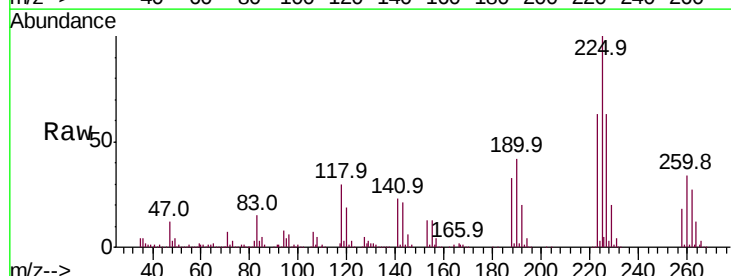
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 34.033 ng
RT: 8.38 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	50.6	76.0	
227	63.5	51.9	77.9	

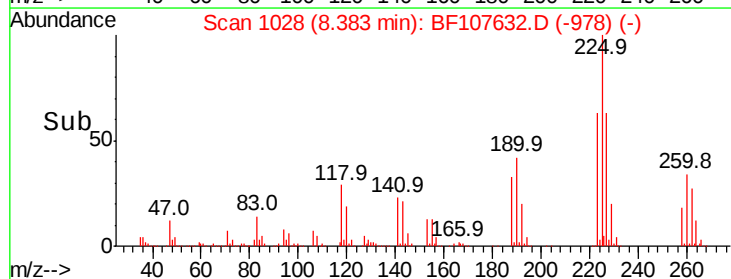
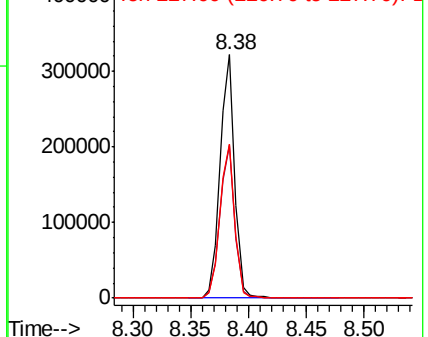


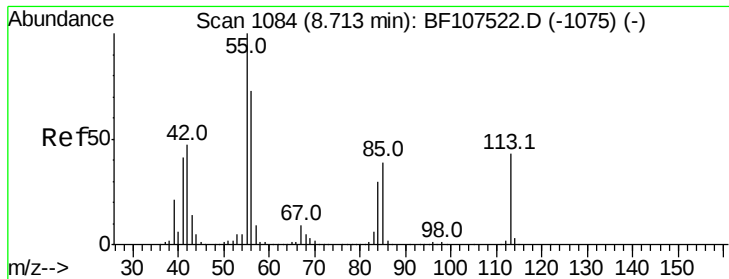
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 32.244 ng

RT: 8.70 min Scan# 1081

Delta R.T. -0.02 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD

Tot Ion:113 Resp: 130859

Ion Ratio Lower Upper

113 100

55 220.8 163.3 203.3#

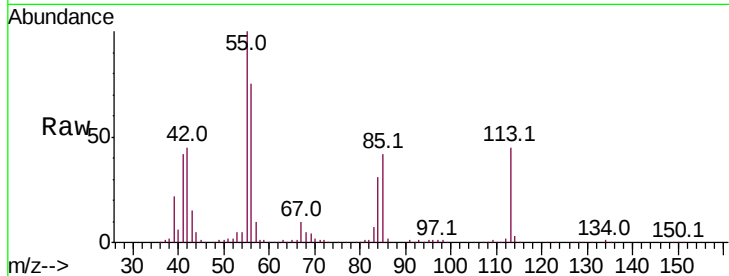
56 166.0 115.7 155.7#

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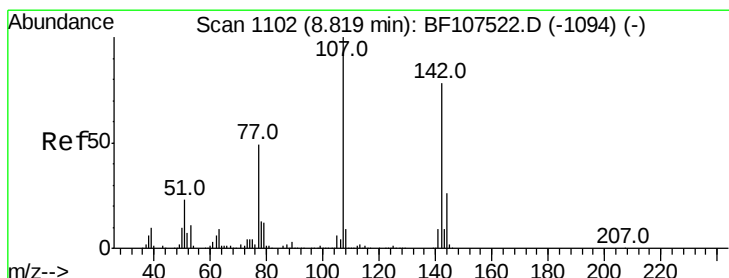
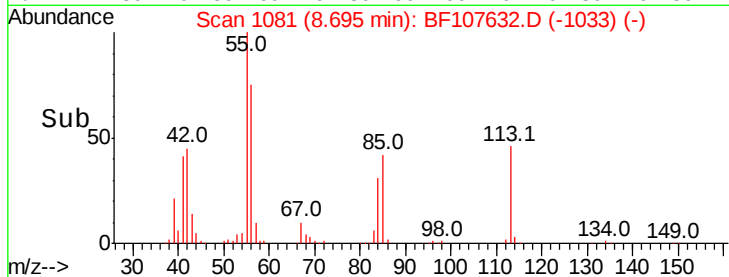
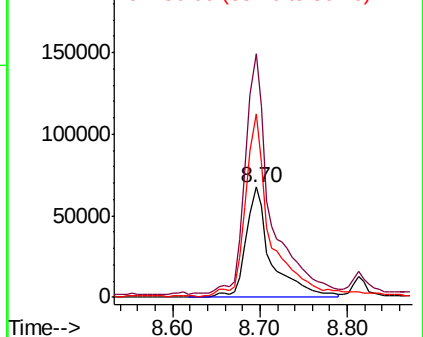
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 34.204 ng

RT: 8.81 min Scan# 1101

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

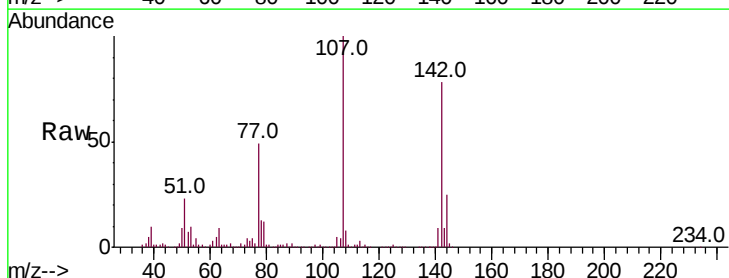
Tgt Ion:107 Resp: 474084

Ion Ratio Lower Upper

107 100

144 24.6 20.5 30.7

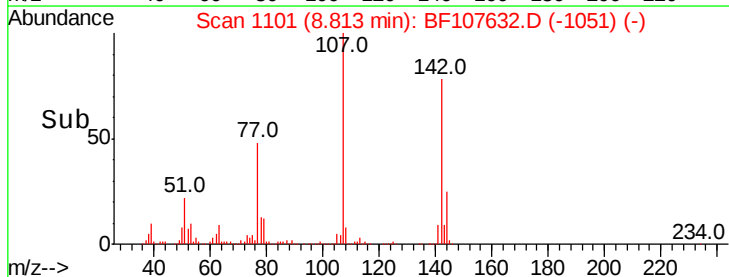
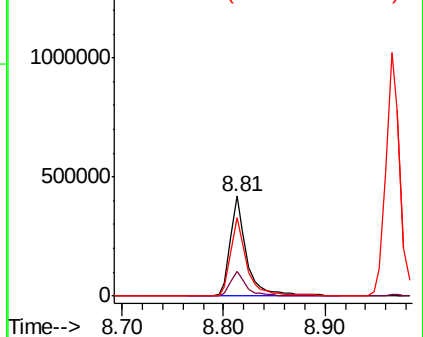
142 78.0 62.0 93.0

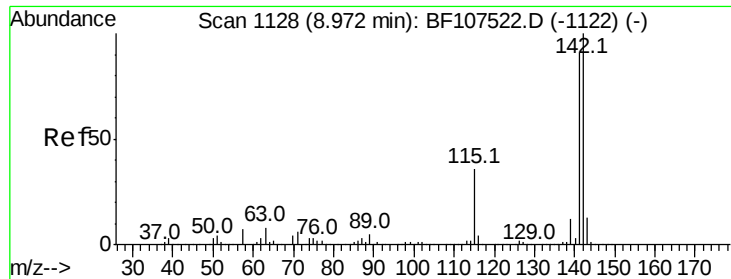


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





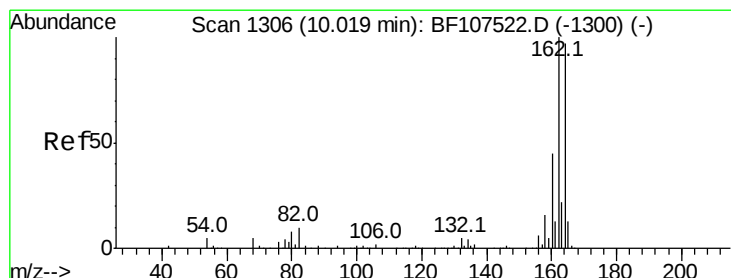
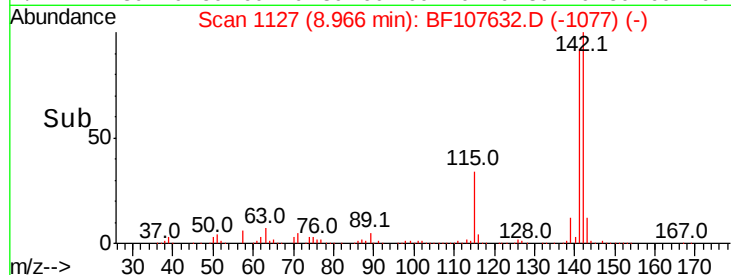
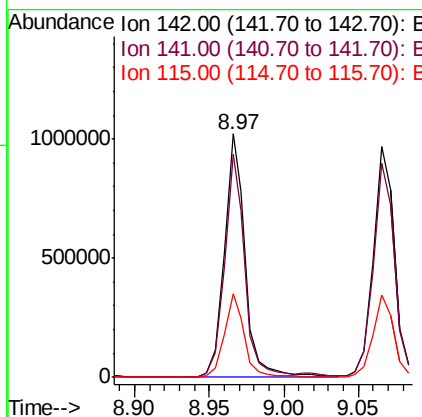
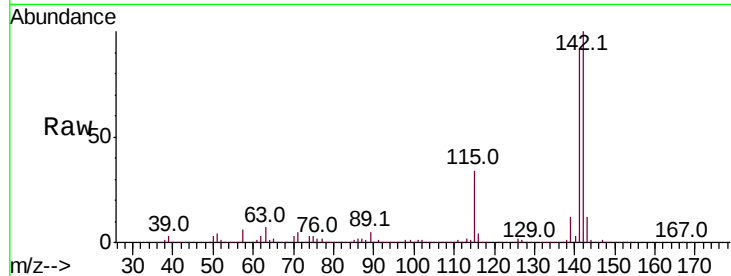
#37
 2-Methylnaphthalene
 Concen: 36.827 ng
 RT: 8.97 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.6	70.8	106.2
115	34.3	26.1	39.1

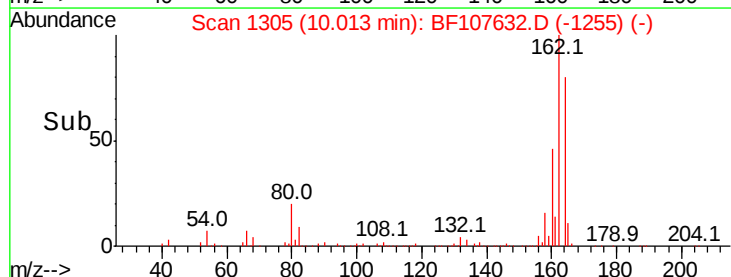
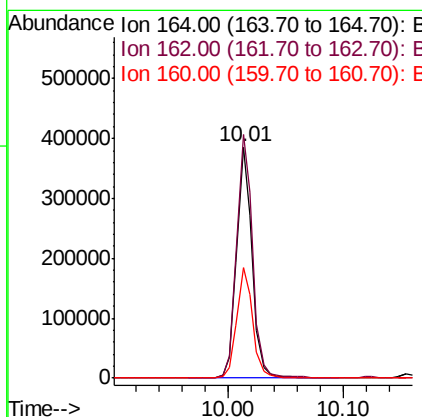
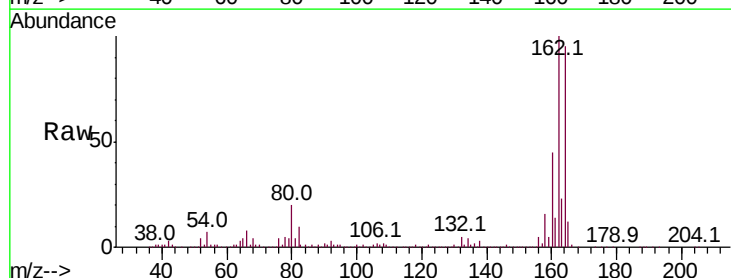
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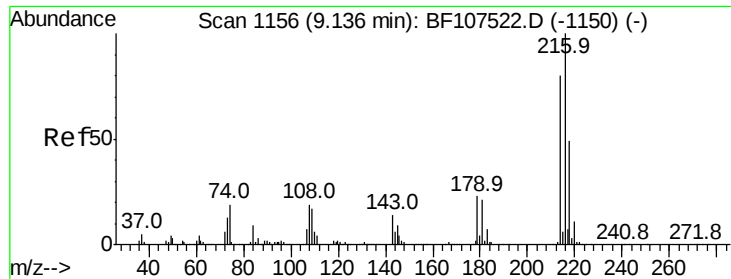
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	86.1	129.1
160	47.7	38.3	57.5





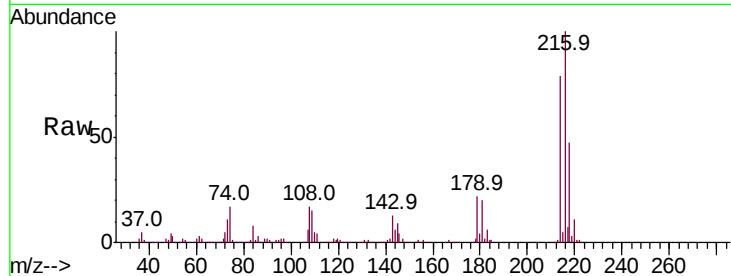
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 39.203 ng
 RT: 9.13 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

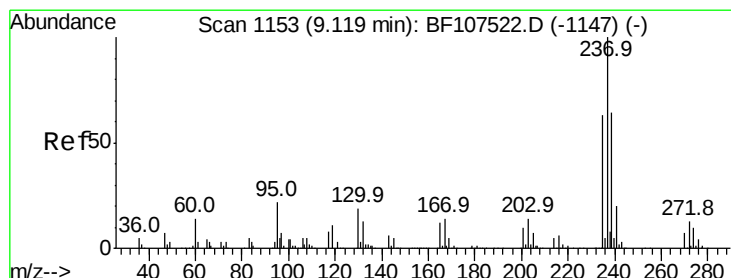
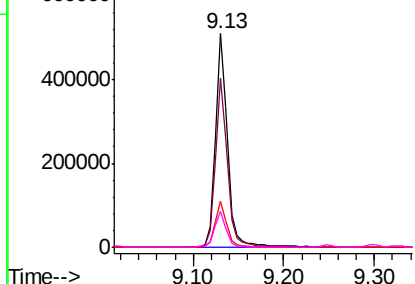
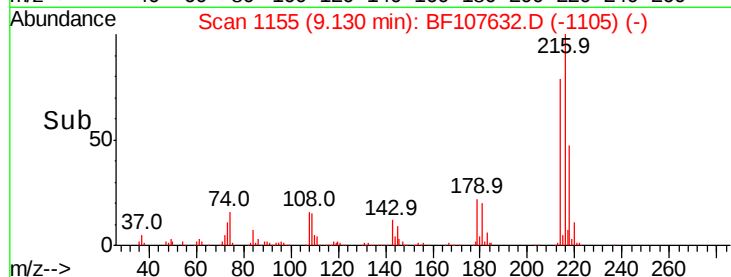
Tot Ion:	216	Resp:	469744
Ion Ratio	Lower	Upper	
216	100		
214	78.9	63.0	94.4
179	21.4	18.1	27.1
108	16.8	17.2	25.8#

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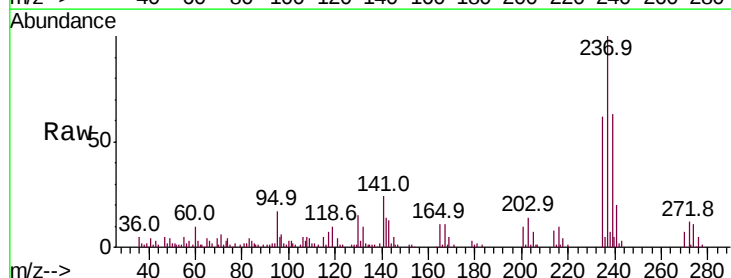


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

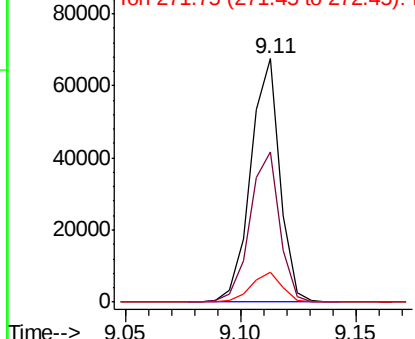
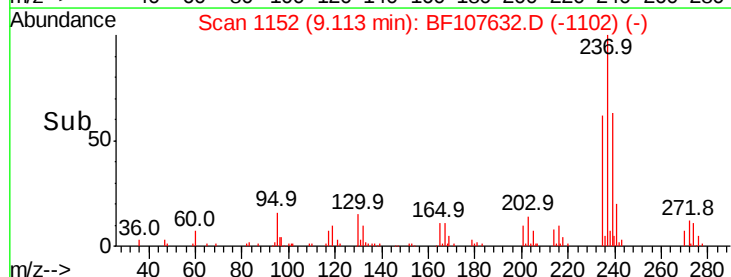


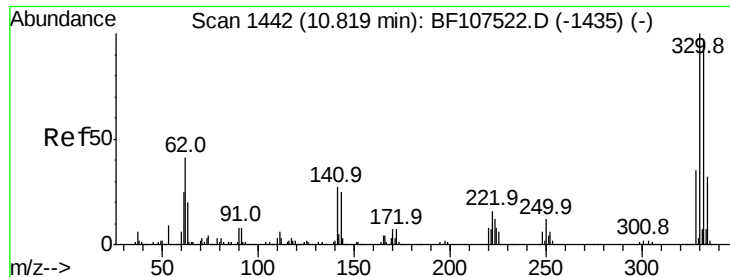
#40
 Hexachlorocyclopentadiene
 Concen: 9.809 ng
 RT: 9.11 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Tgt Ion:	237	Resp:	59747
Ion Ratio	Lower	Upper	
237	100		
235	61.7	44.8	84.8
272	12.0	0.0	33.3



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





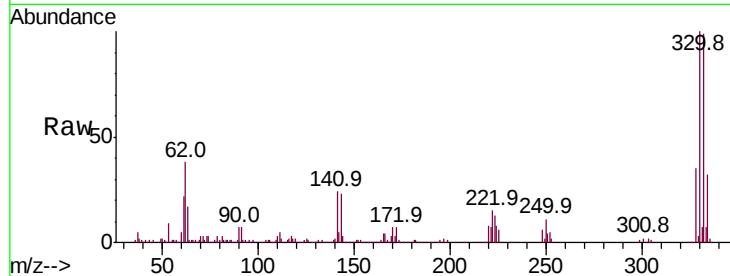
#41
 2,4,6-Tribromophenol
 Concen: 105.338 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

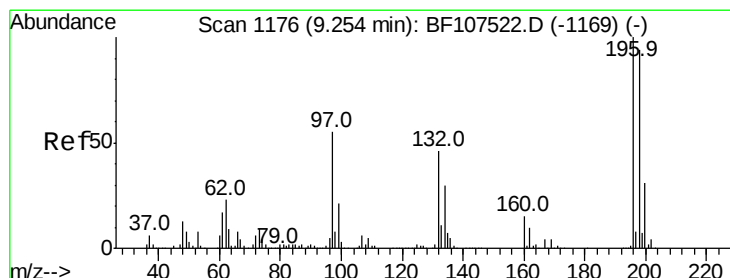
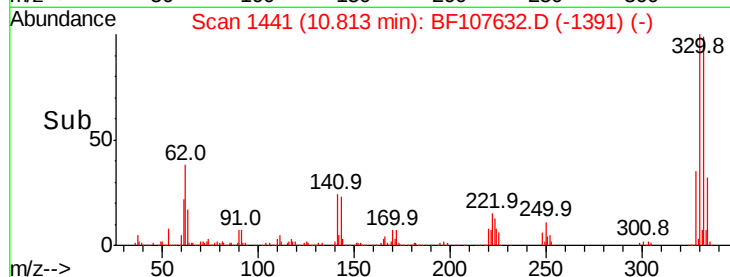
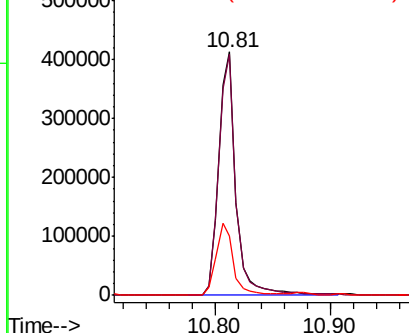
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	100.1	77.0	115.6	
141	29.1	29.9	44.9	

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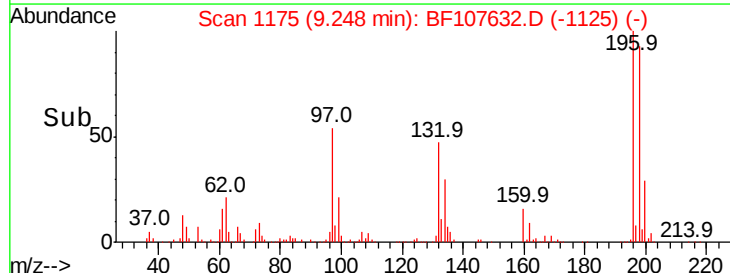
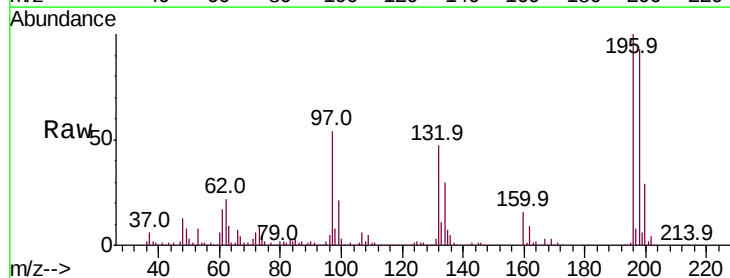
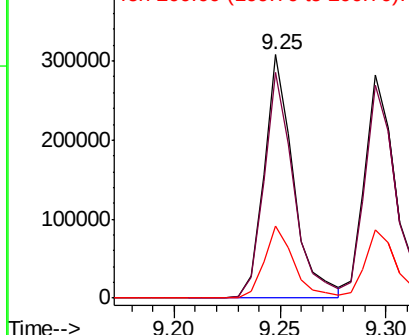
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

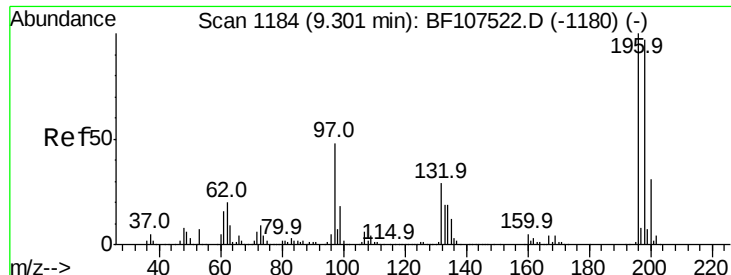


#42
 2,4,6-Trichlorophenol
 Concen: 38.779 ng
 RT: 9.25 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	92.7	75.7	113.5	
200	29.4	24.5	36.7	

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





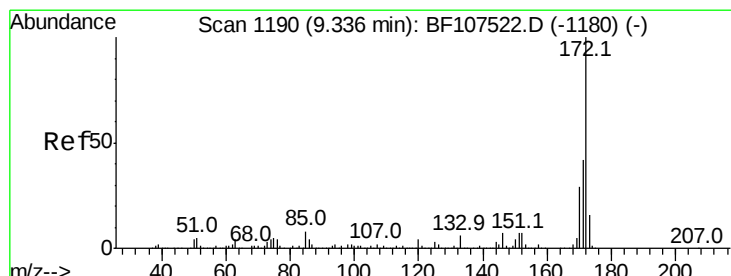
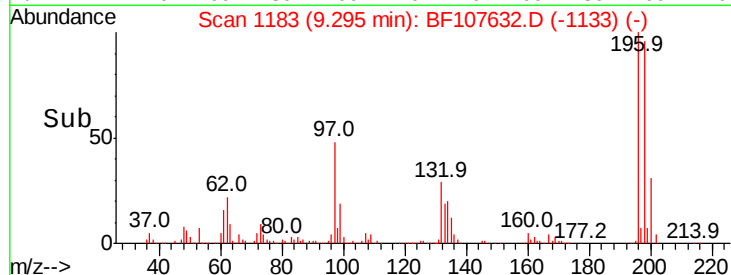
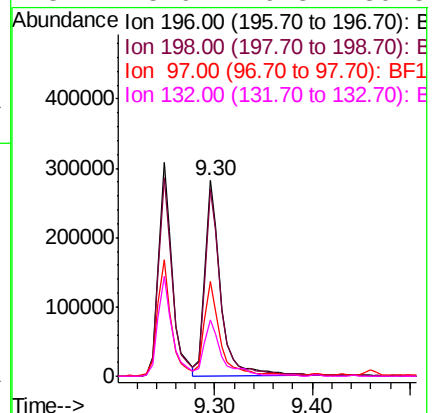
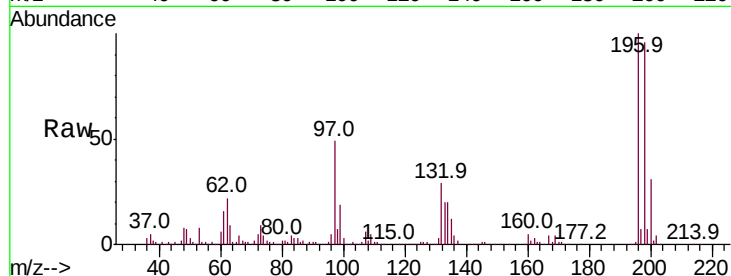
#43
 2,4,5-Trichlorophenol
 Concen: 39.385 ng
 RT: 9.30 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	315709		
198	95.6		74.6	112.0
97	48.5		42.9	64.3
132	28.9		26.3	39.5

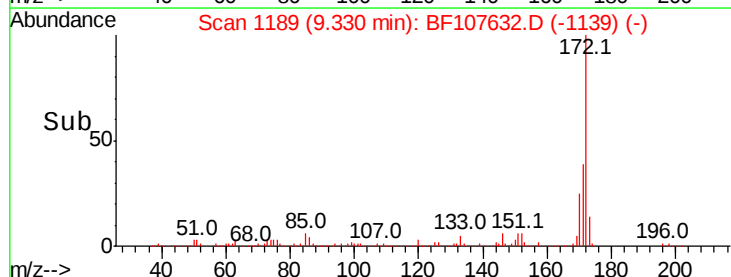
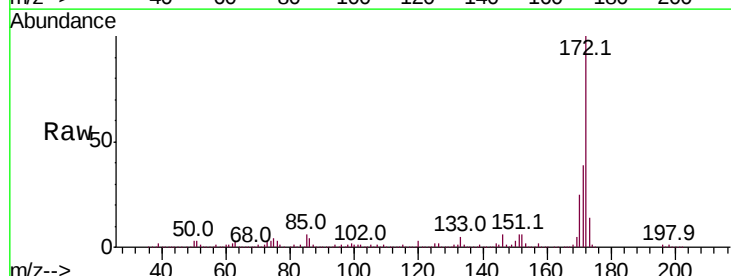
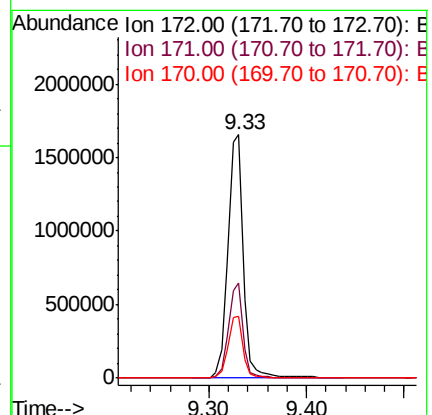
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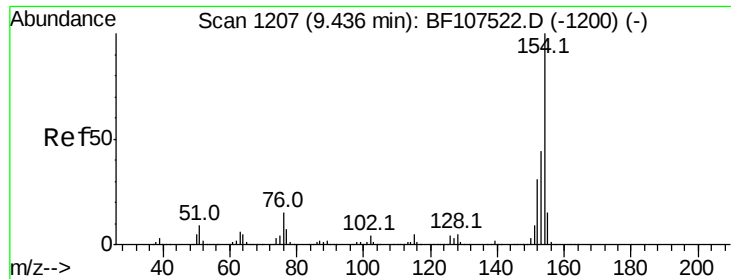
Sohil
 7/25/2018 12:58:38 PM



#44
 2-Fluorobiphenyl
 Concen: 87.356 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1818620		
171	38.9		29.7	44.5
170	25.5		19.6	29.4





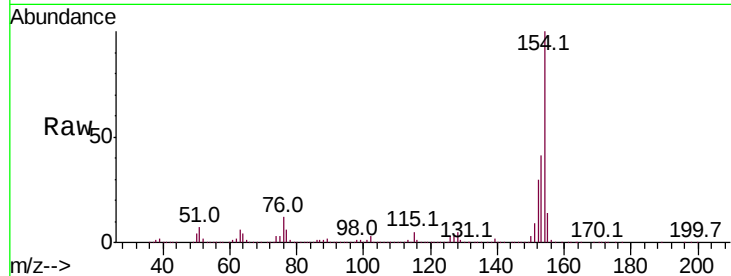
#45
 1,1'-Biphenyl
 Concen: 38.128 ng
 RT: 9.43 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

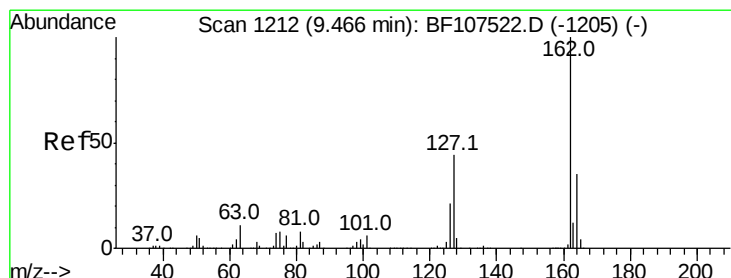
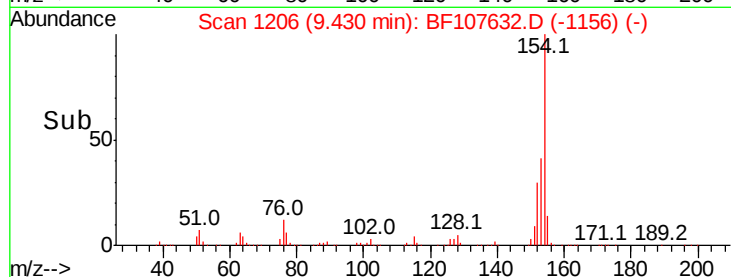
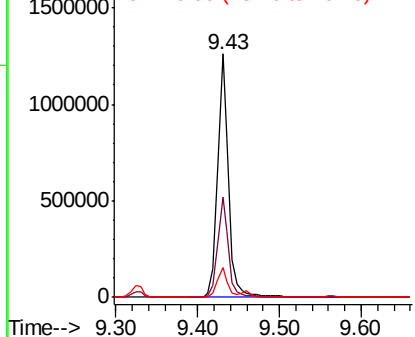
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.3	21.3	61.3
76	12.3	0.0	34.0

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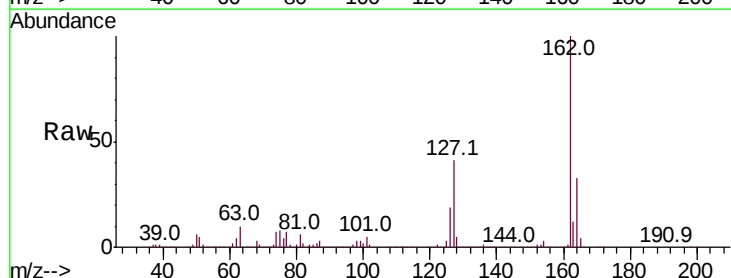


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

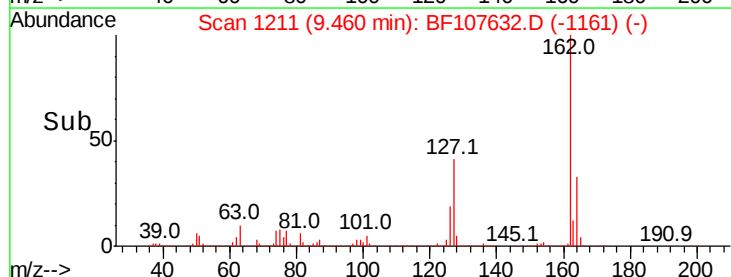
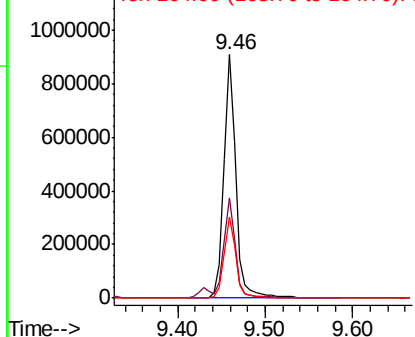


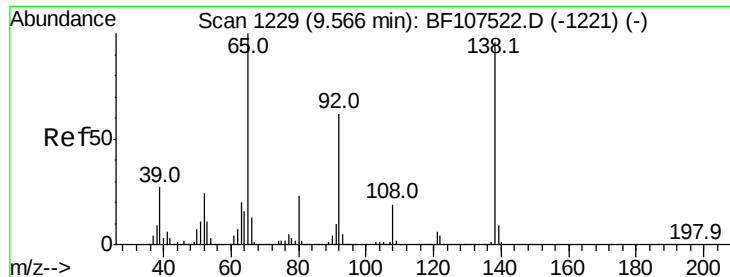
#46
 2-Chloronaphthalene
 Concen: 36.640 ng
 RT: 9.46 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Lower	Upper
162	100		
127	41.0	33.9	50.9
164	33.1	26.5	39.7



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





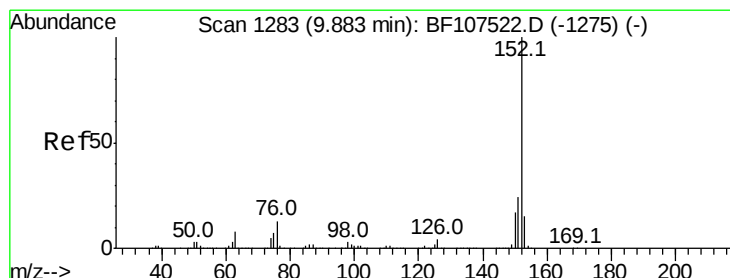
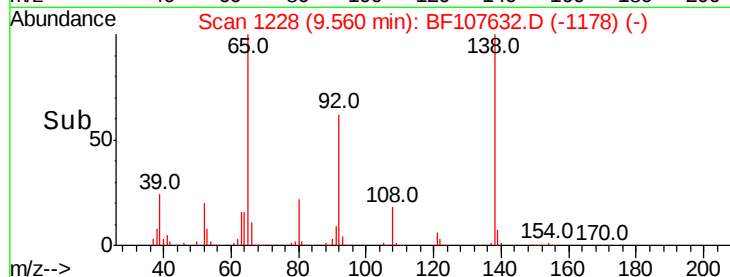
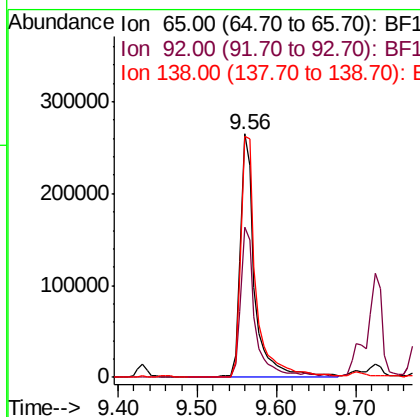
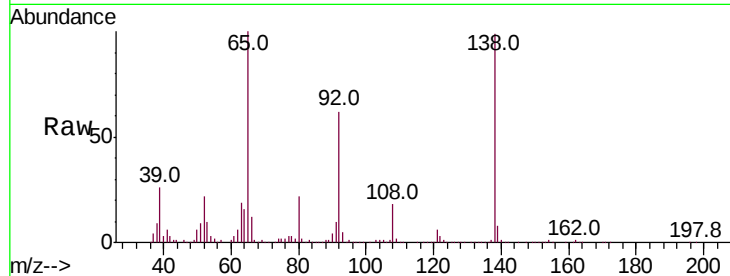
#47
2-Nitroaniline
Concen: 46.978 ng
RT: 9.56 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
92	61.9	55.8	83.6	
138	99.0	91.2	136.8	

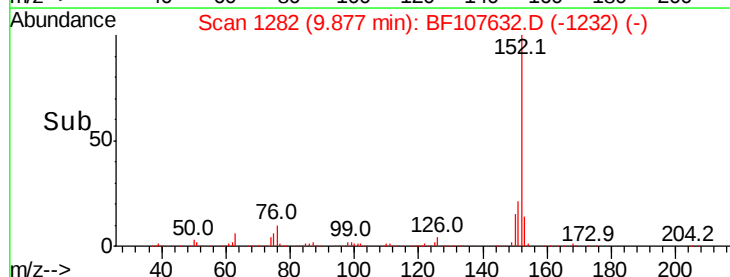
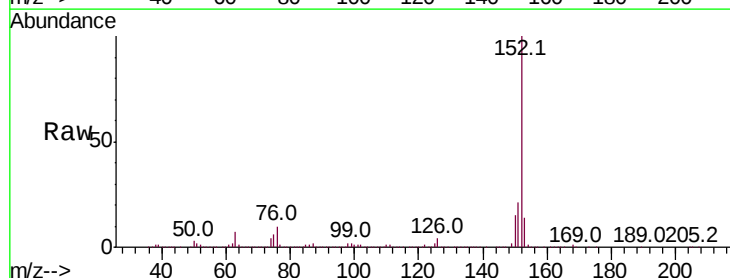
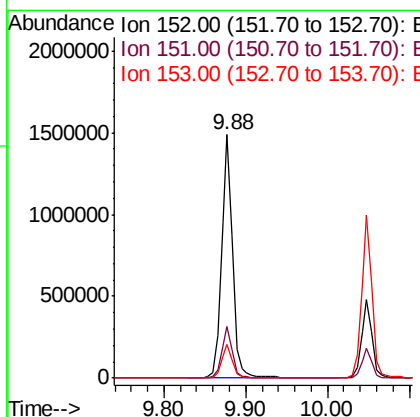
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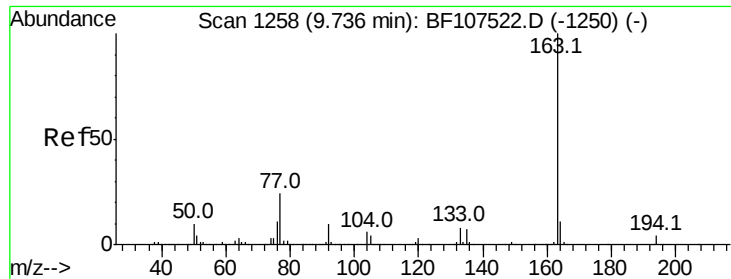
Sohil
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#48
Acenaphthylene
Concen: 39.158 ng
RT: 9.88 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	21.2	16.3	24.5	
153	13.7	10.7	16.1	





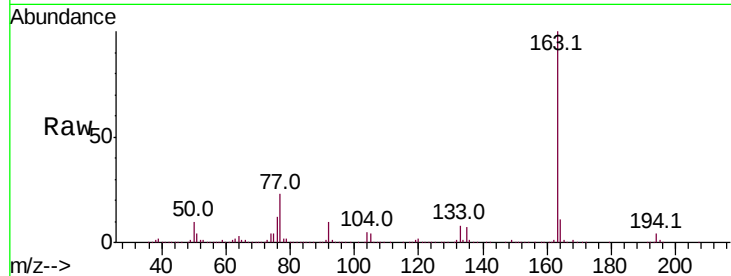
#49
Dimethylphthalate
Concen: 47.662 ng
RT: 9.72 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

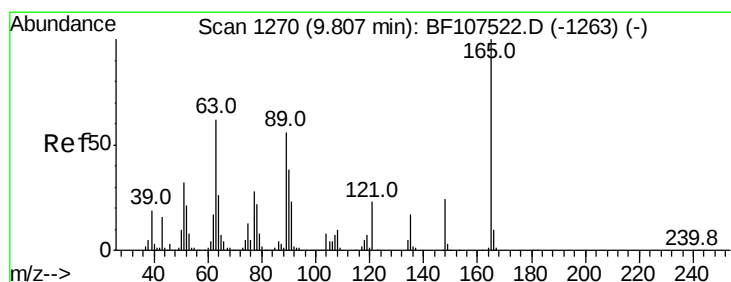
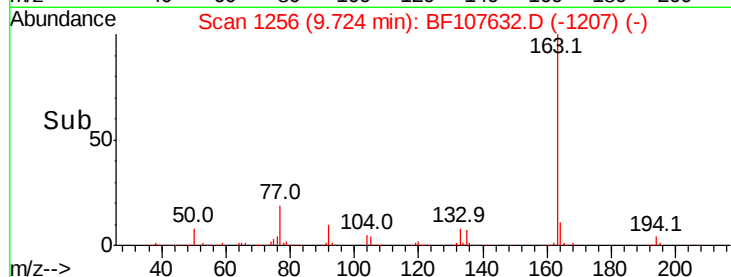
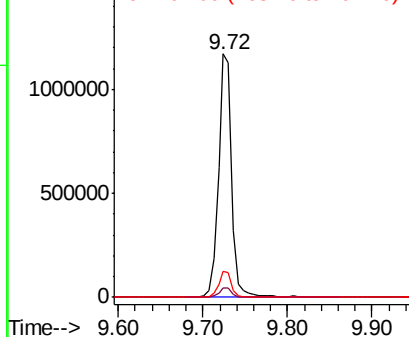
Tot Ion:163 Resp: 1290450
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.8 8.2 12.2

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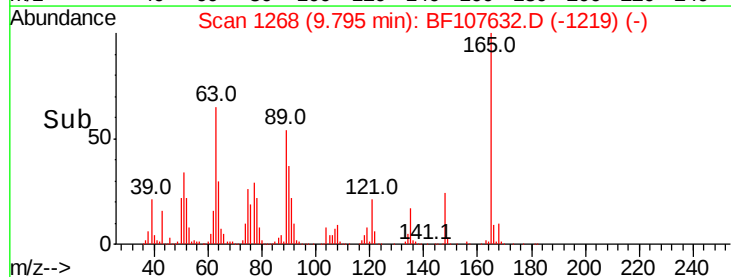
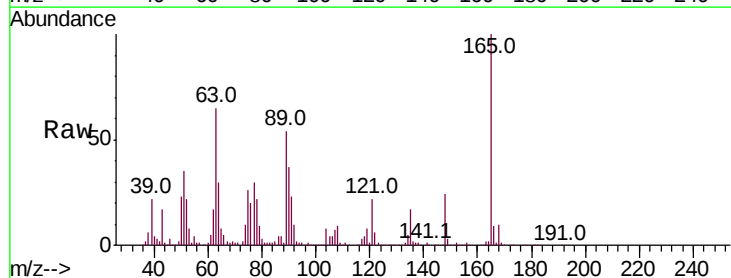
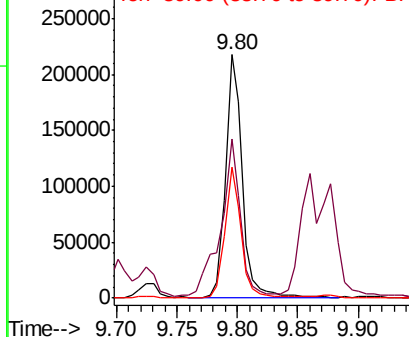
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

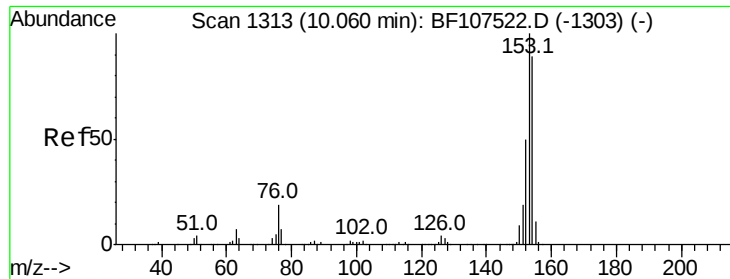


#50
2,6-Dinitrotoluene
Concen: 38.554 ng
RT: 9.80 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion:165 Resp: 207249
Ion Ratio Lower Upper
165 100
63 65.5 44.7 67.1
89 53.7 44.0 66.0

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





#51

Acenaphthene

Concen: 35.272 ng

RT: 10.05 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

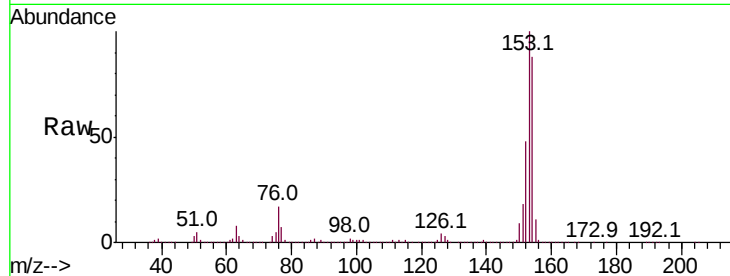
ClientSampleId :

GL-TOPSOIL-03MSD

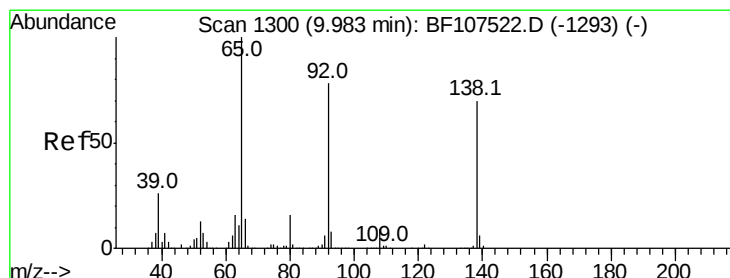
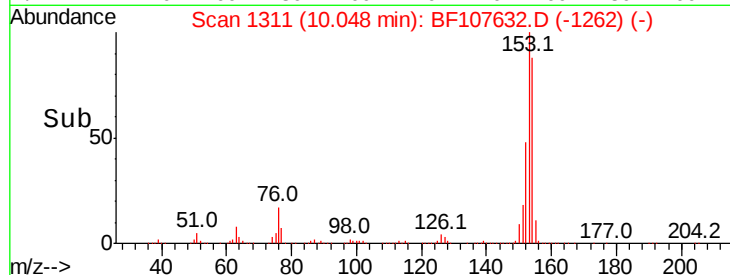
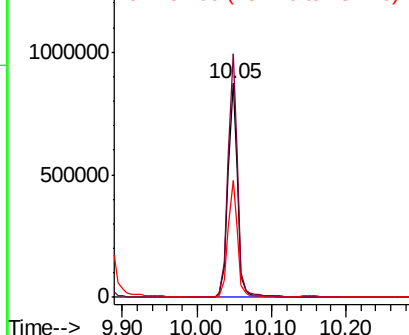
Tot Ion:	154	Resp:	794122
Ion Ratio	Lower	Upper	
154	100		
153	113.7	91.2	136.8
152	54.8	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 36.362 ng

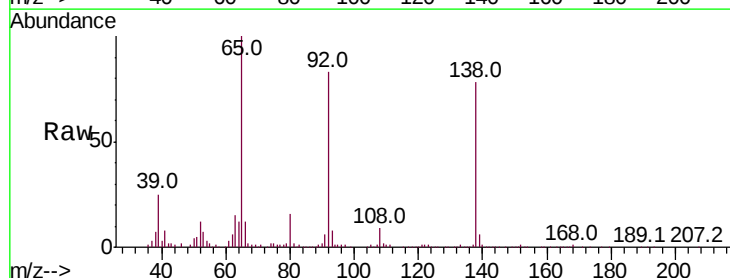
RT: 9.98 min Scan# 1299

Delta R.T. -0.01 min

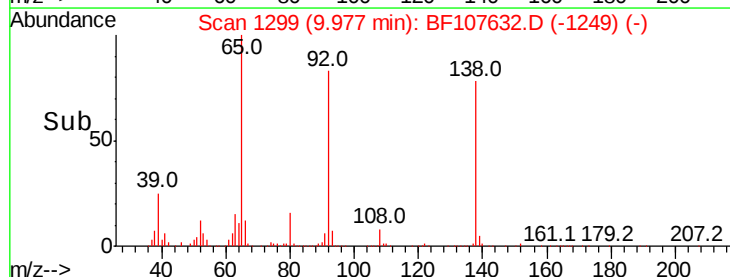
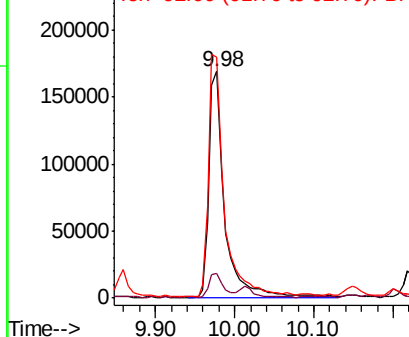
Lab File: BF107632.D

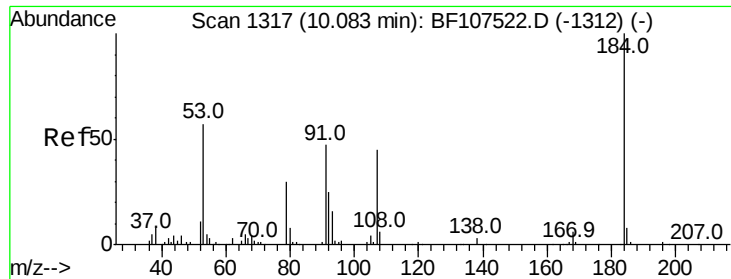
Acq: 24 Jul 2018 21:13

Tgt Ion:	138	Resp:	237790
Ion Ratio	Lower	Upper	
138	100		
108	11.0	9.4	14.0
92	106.6	89.4	134.2



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





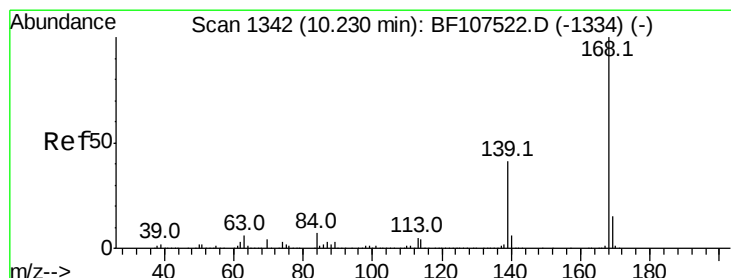
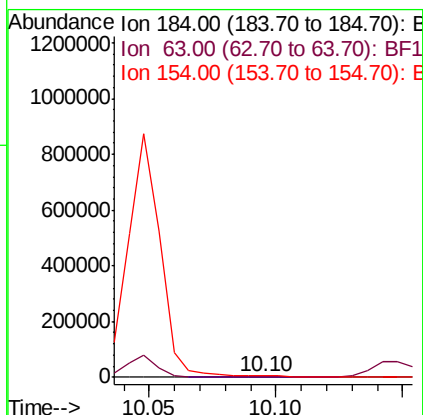
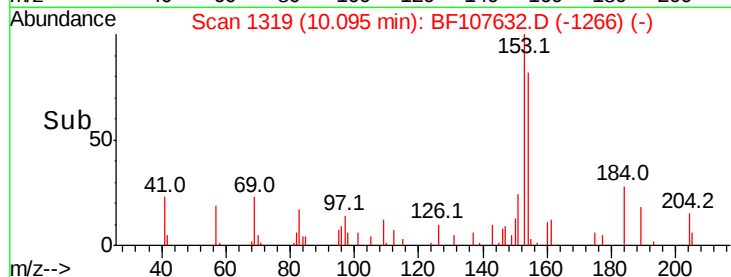
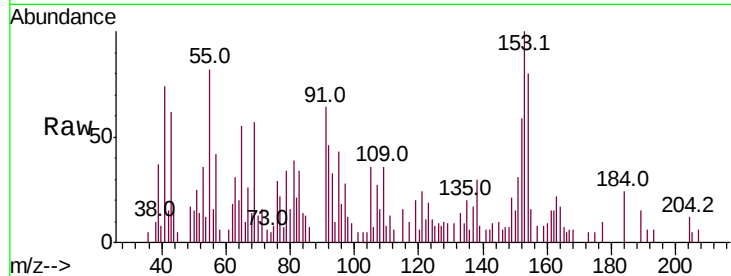
#53
2,4-Dinitrophenol
Concen: 9.786 ng
RT: 10.10 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion:184 Resp: 2777
Ion Ratio Lower Upper
184 100
63 128.0 54.2 81.2#
154 333.0 184.0 276.0#

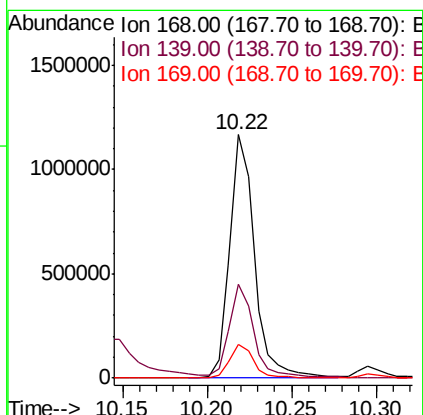
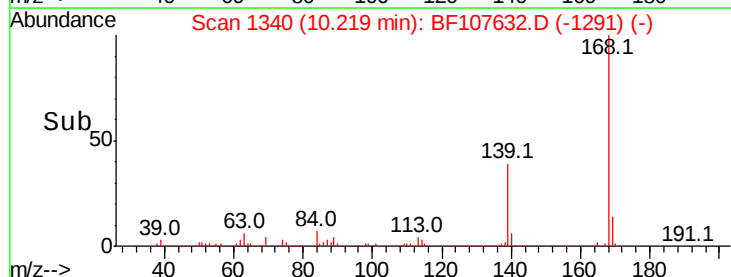
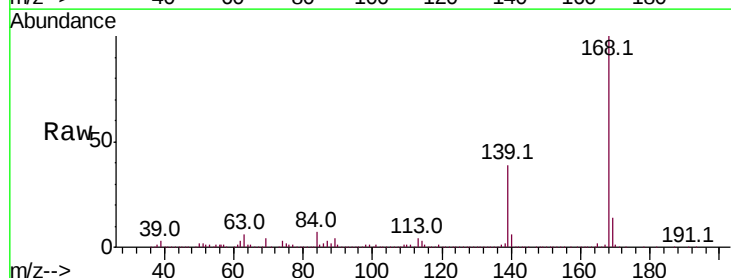
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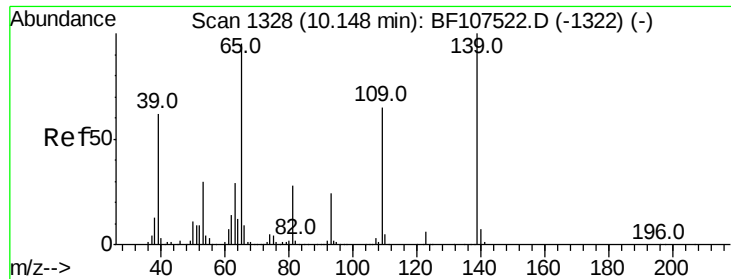
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#54
Dibenzofuran
Concen: 35.896 ng
RT: 10.22 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion:168 Resp: 1189781
Ion Ratio Lower Upper
168 100
139 38.6 30.1 45.1
169 14.1 10.9 16.3





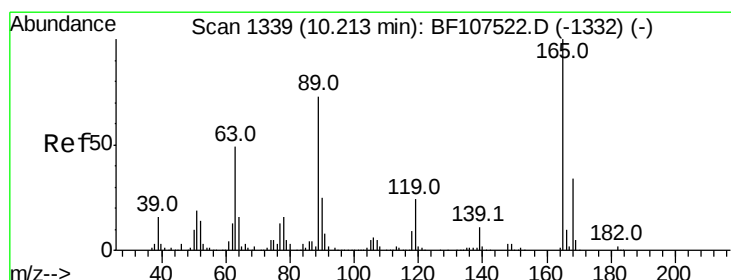
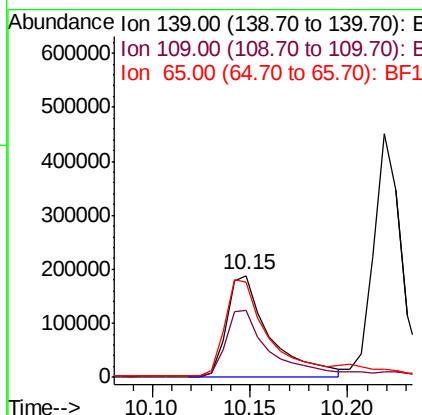
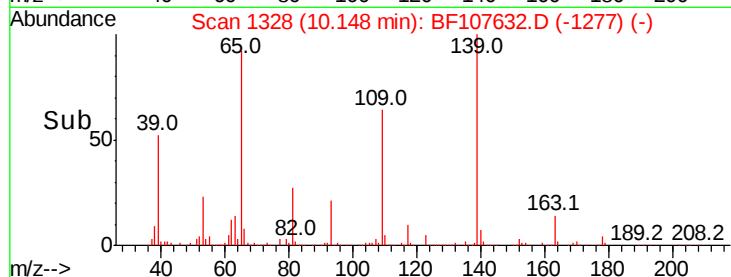
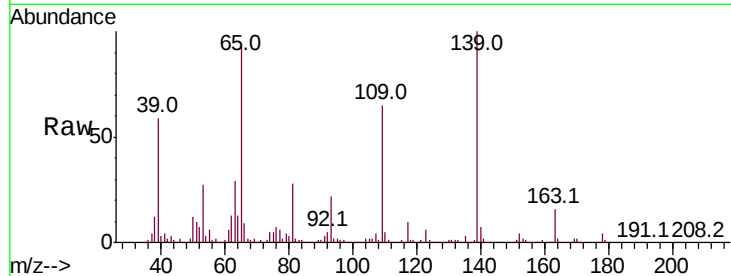
#55
4-Nitrophenol
Concen: 58.326 ng
RT: 10.15 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	65.1	48.4	88.4	
65	92.9	72.6	112.6	

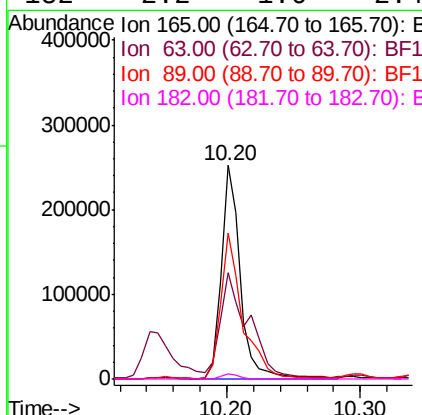
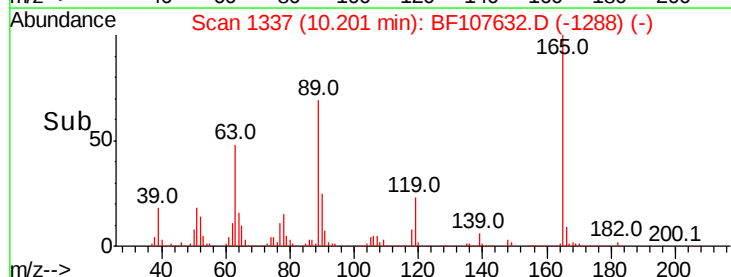
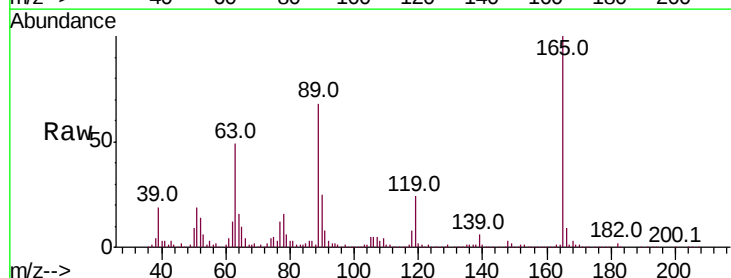
Manual Integrations
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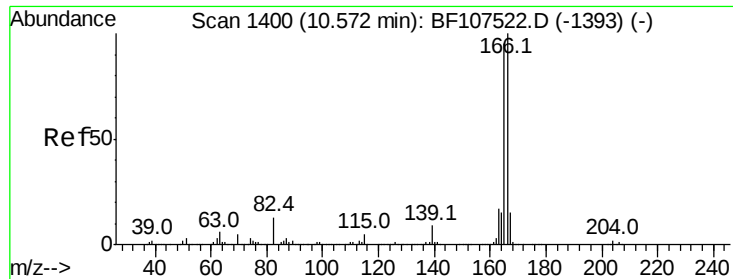
Sohil
7/25/2018 12:58:38 PM



#56
2,4-Dinitrotoluene
Concen: 38.827 ng
RT: 10.20 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	49.5	36.4	54.6	
89	68.5	57.8	86.6	
182	2.2	1.6	2.4	





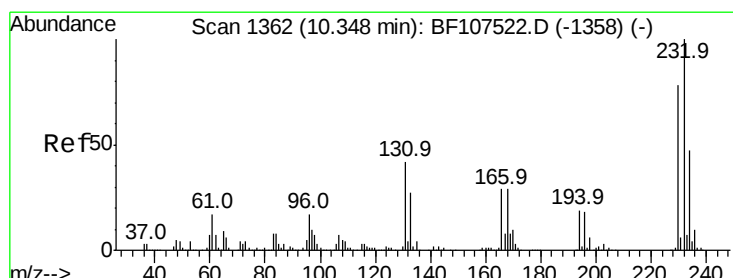
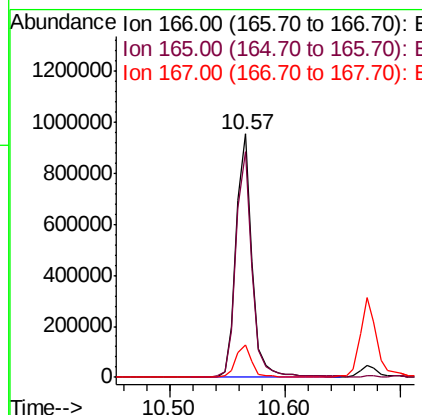
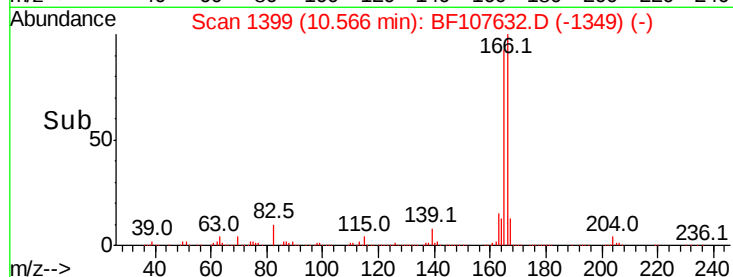
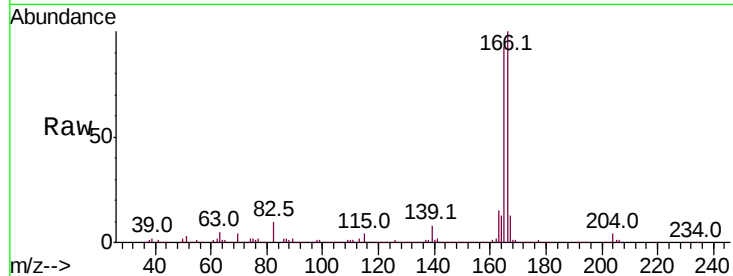
#57
 Fluorene
 Concen: 38.590 ng
 RT: 10.57 min Scan# 1399
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	92.8	79.8	119.8
167	13.5	10.6	16.0

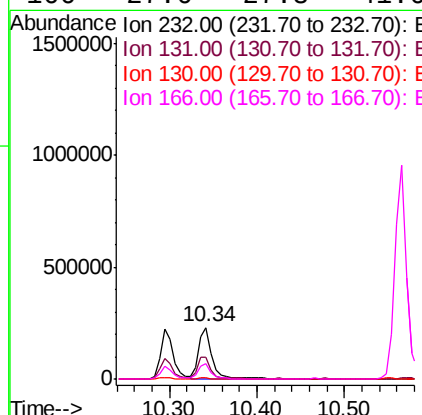
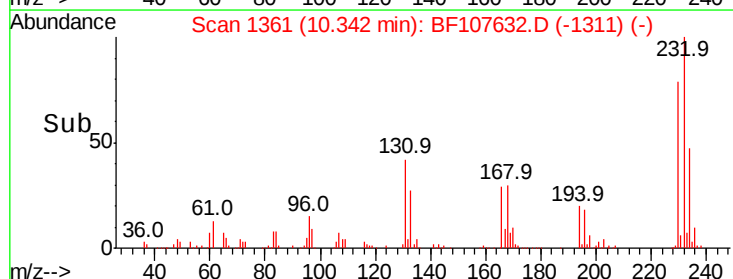
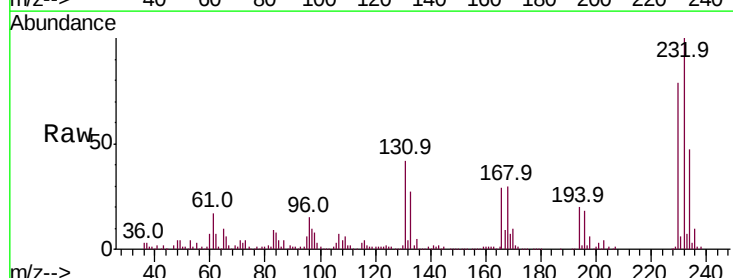
Manual Integrations
 APPROVED

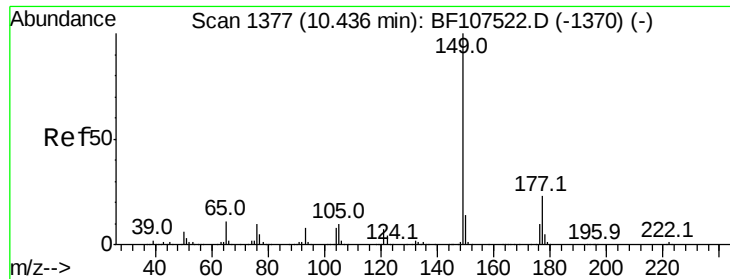
Sohil
 7/25/2018 12:58:38 PM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 37.124 ng
 RT: 10.34 min Scan# 1361
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Lower	Upper
232	100		
131	42.7	43.8	65.8#
130	2.2	2.1	3.1
166	27.6	27.8	41.6#





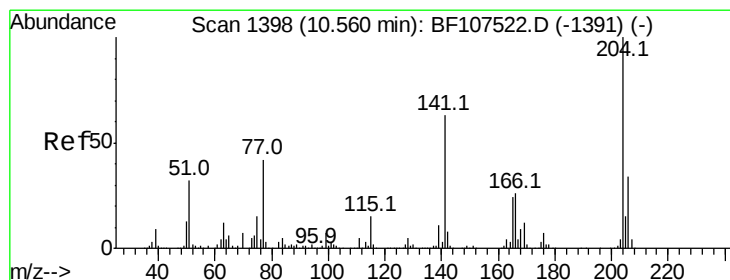
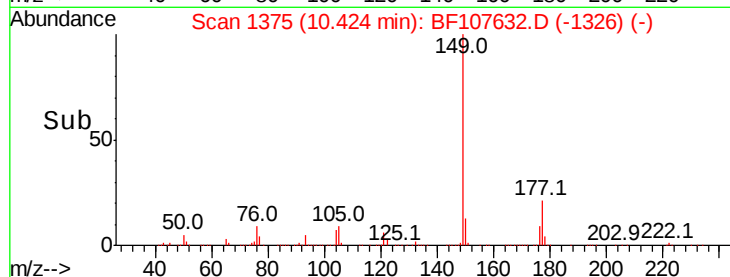
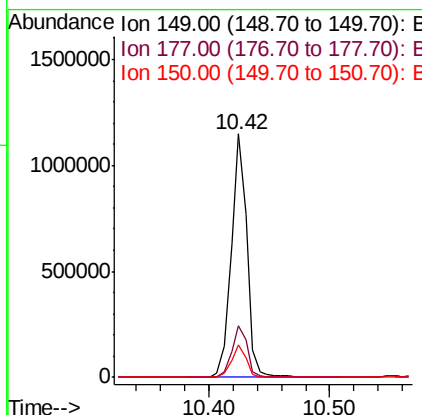
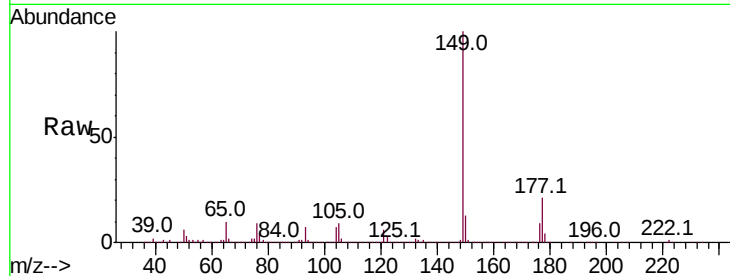
#59
Diethylphthalate
Concen: 36.422 ng
RT: 10.42 min Scan# 1375
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion:	149	Resp:	1029891
Ion	Ratio	Lower	Upper
149	100		
177	21.2	16.1	24.1
150	13.1	10.1	15.1

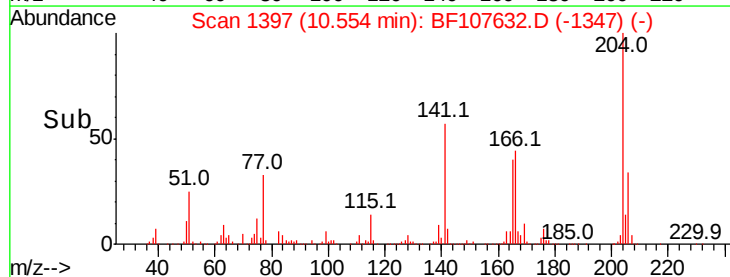
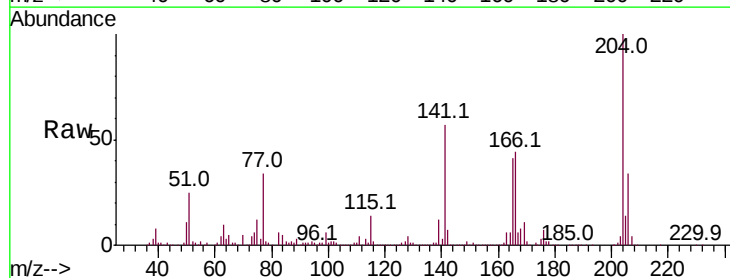
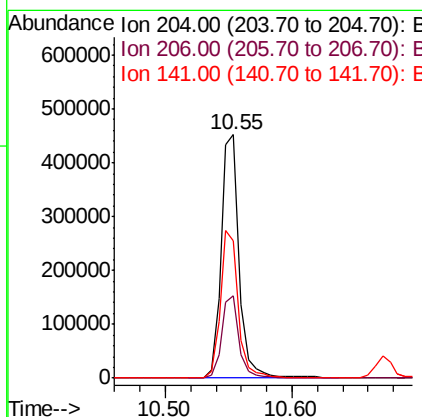
Manual Integrations
APPROVED

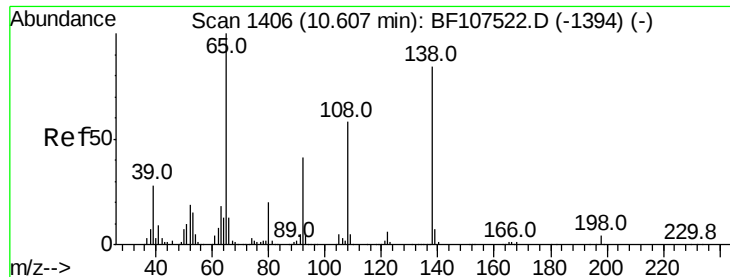
Sohil
7/25/2018 12:58:38 PM



#60
4-Chlorophenyl-phenylether
Concen: 33.664 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion:	204	Resp:	450028
Ion	Ratio	Lower	Upper
204	100		
206	33.8	26.5	39.7
141	56.7	54.6	81.8





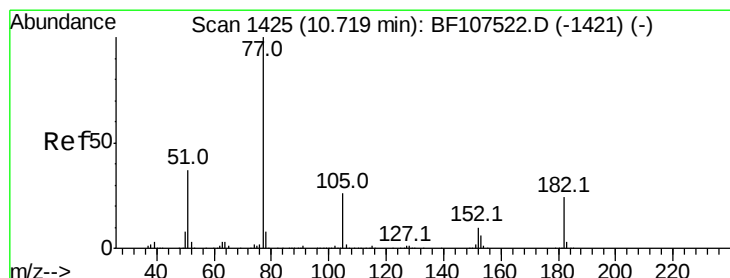
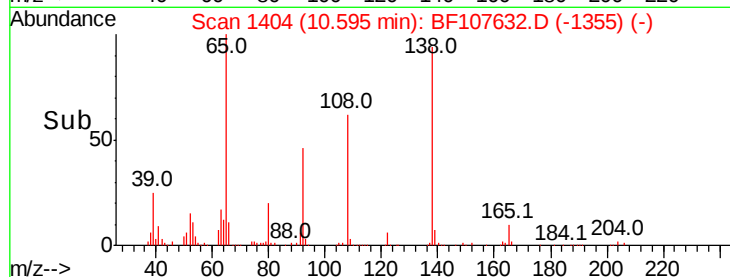
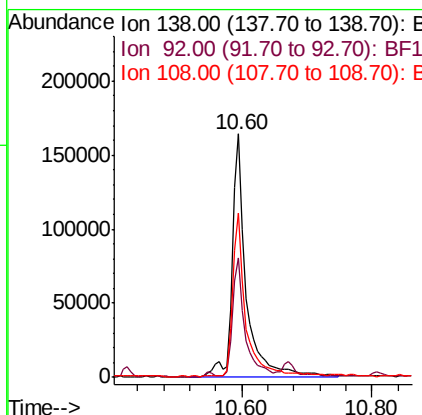
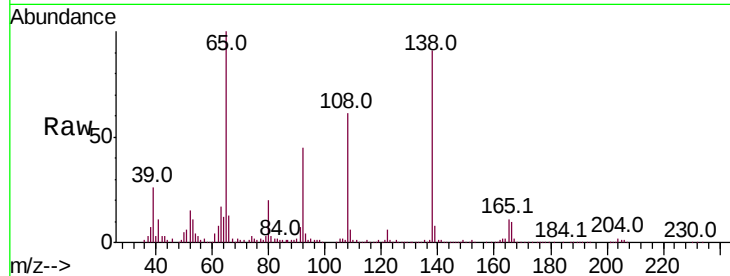
#61
4-Nitroaniline
Concen: 45.466 ng
RT: 10.60 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	49.1	30.2	70.2
108	67.3	52.5	92.5

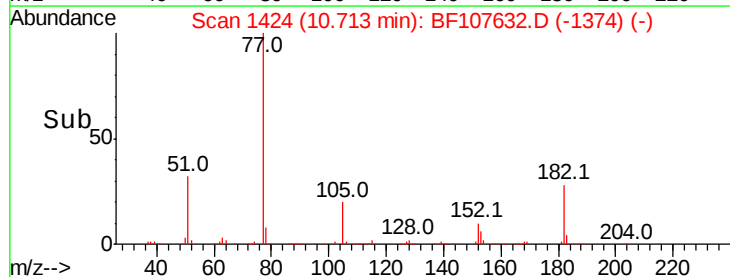
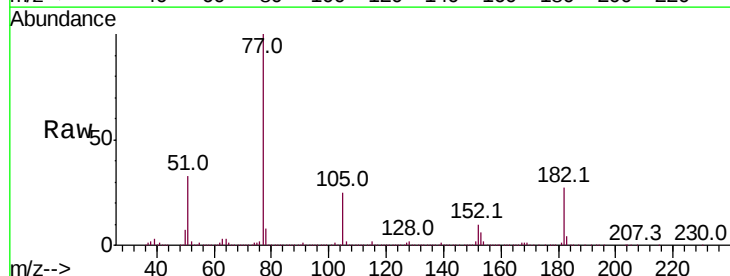
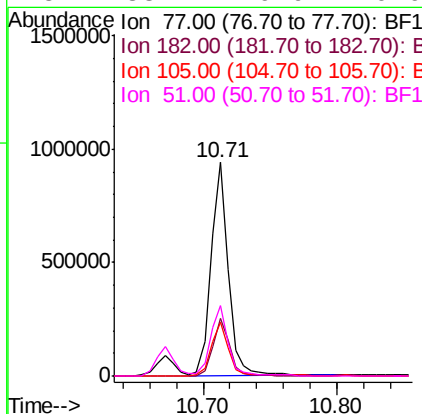
Manual Integrations
APPROVED

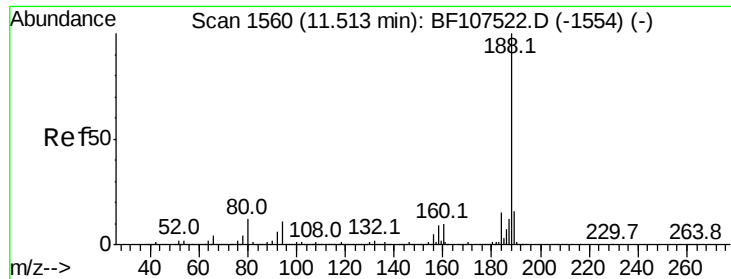
Sohil
7/25/2018 12:58:38 PM



#62
Azobenzene
Concen: 32.061 ng
RT: 10.71 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Lower	Upper
77	100		
182	26.9	1.7	41.7
105	25.4	3.0	43.0
51	33.2	9.9	49.9





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

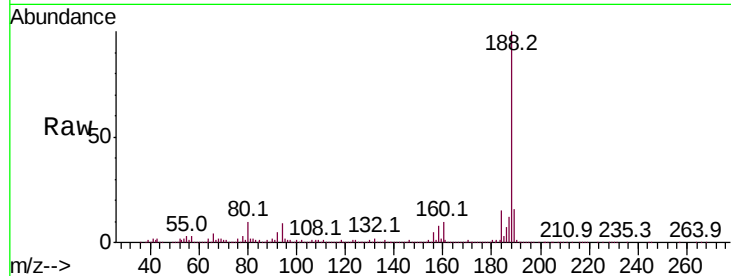
ClientSampleId :

GL-TOPSOIL-03MSD

Tot Ion:	188	Resp:	609118
Ion Ratio	Lower	Upper	
188	100		
94	9.5	8.5	12.7
80	10.4	9.2	13.8

Manual Integrations
APPROVED

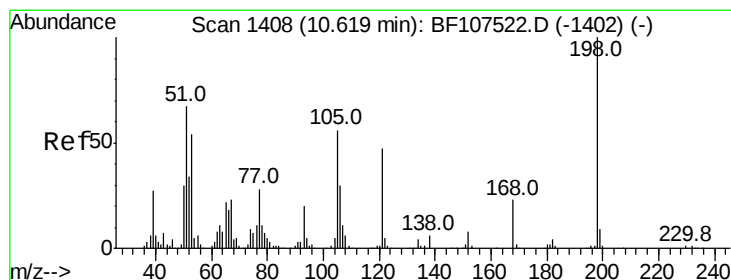
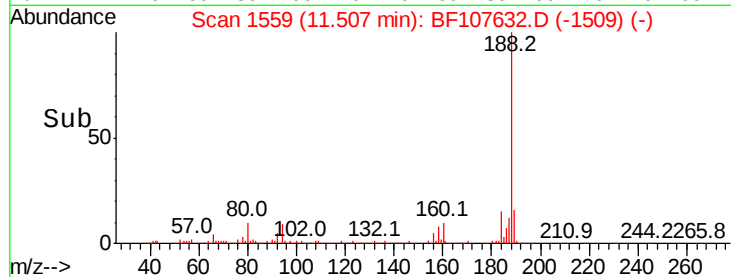
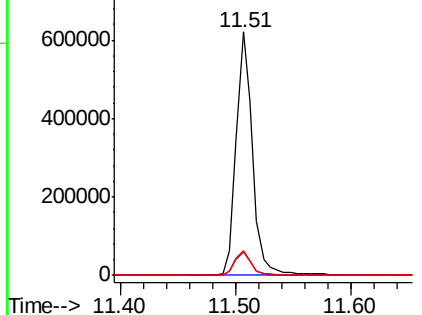
Sohil
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 11.467 ng

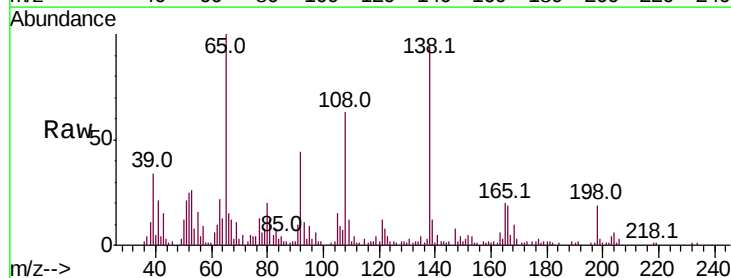
RT: 10.61 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

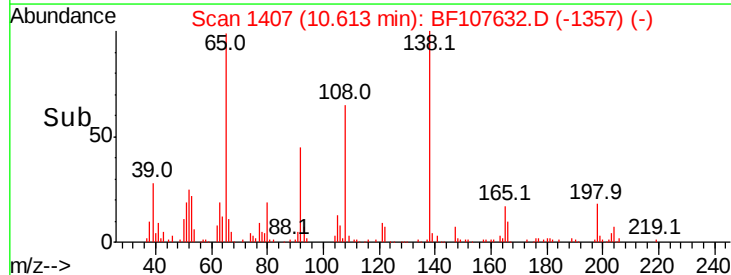
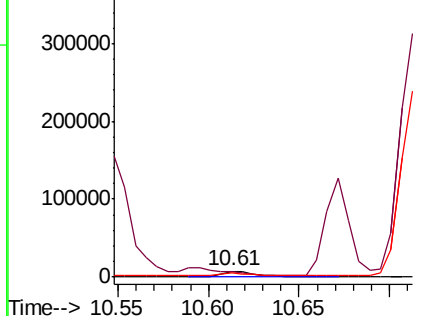
Tgt Ion:	198	Resp:	10003
Ion Ratio	Lower	Upper	
198	100		
51	105.2	37.7	77.7#
105	79.2	36.3	76.3#

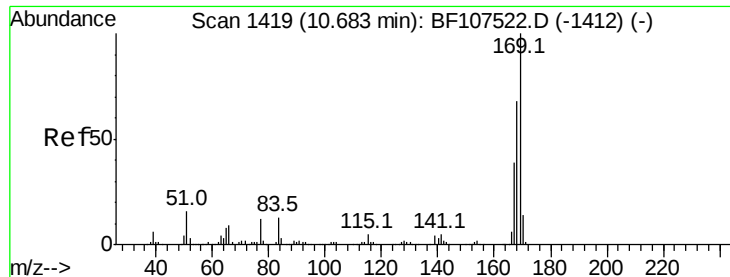


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





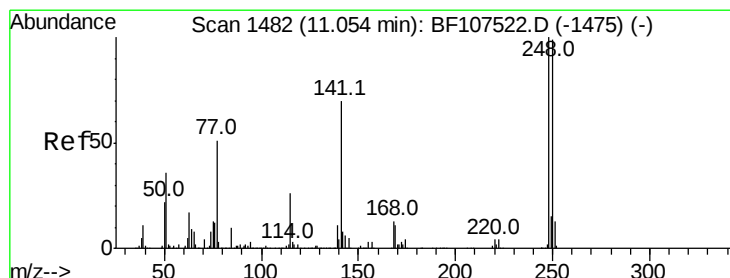
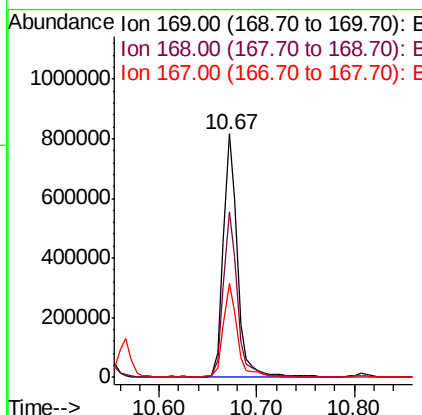
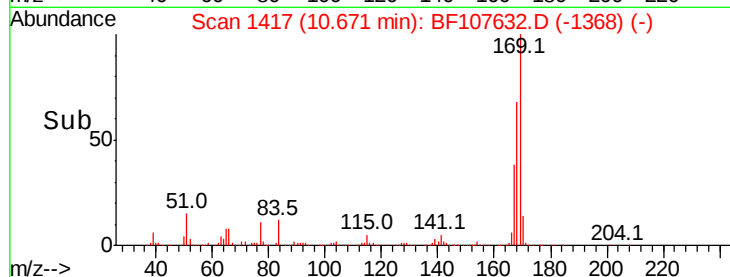
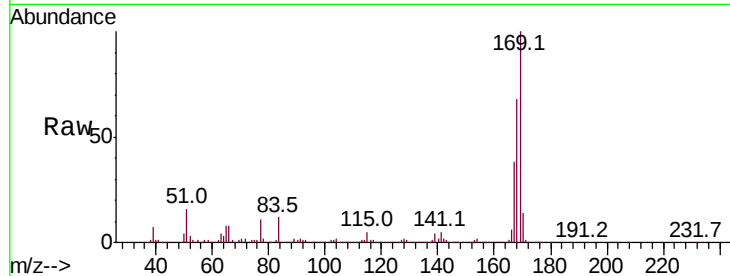
#65
n-Nitrosodiphenylamine
Concen: 39.692 ng
RT: 10.67 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100			
168	68.0	54.4	81.6	
167	38.3	29.8	44.6	

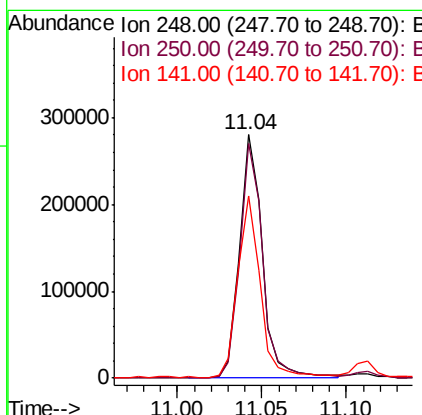
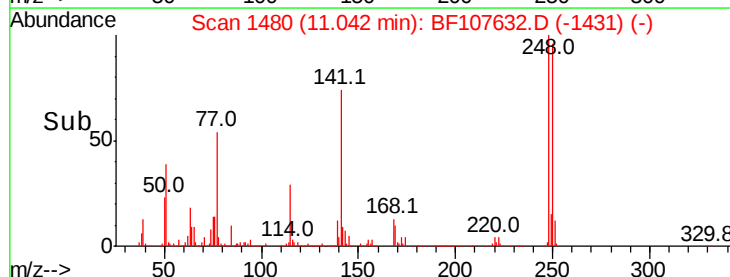
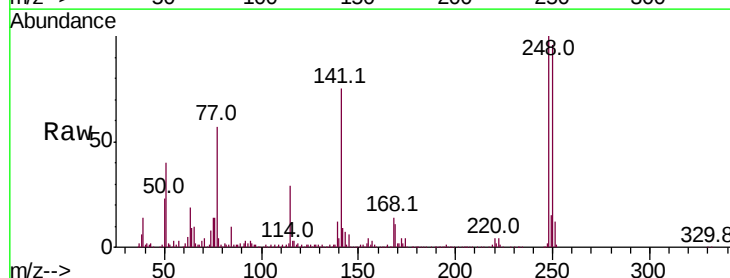
Manual Integrations
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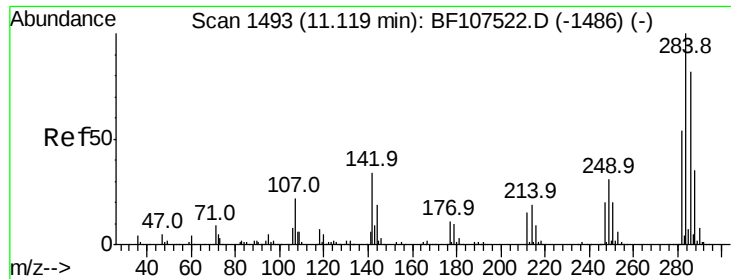
Sohil
7/25/2018 12:58:38 PM



#66
4-Bromophenyl-phenylether
Concen: 36.800 ng
RT: 11.04 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
248	100			
250	96.3	76.9	115.3	
141	74.6	74.4	111.6	





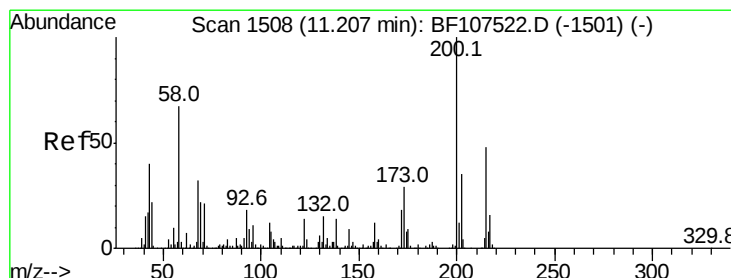
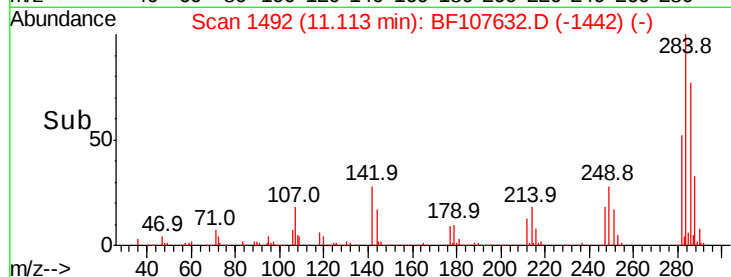
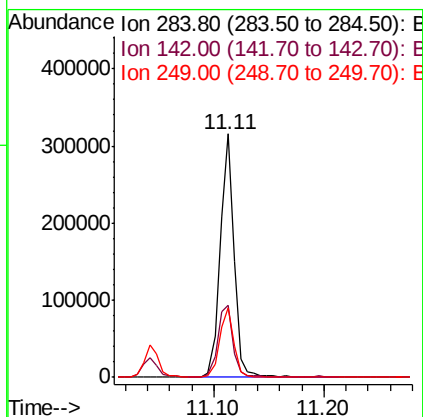
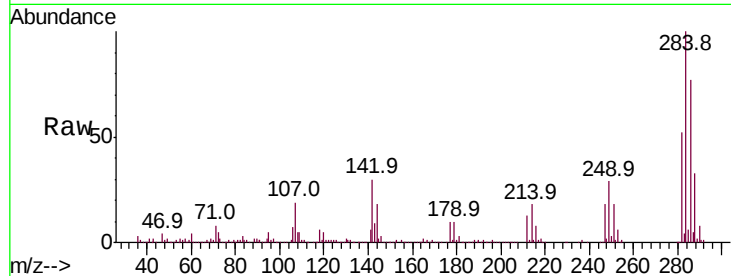
#67
Hexachlorobenzene
Concen: 35.069 ng
RT: 11.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	276678		
142	29.8	34.6	52.0	
249	28.8	24.8	37.2	

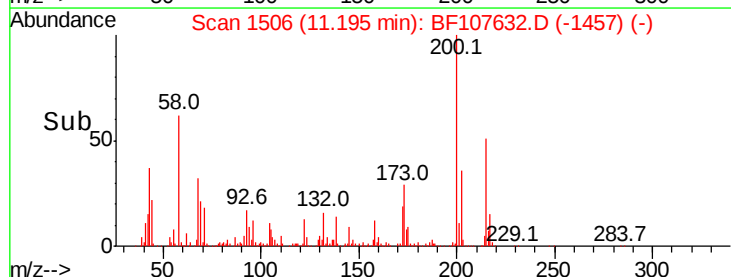
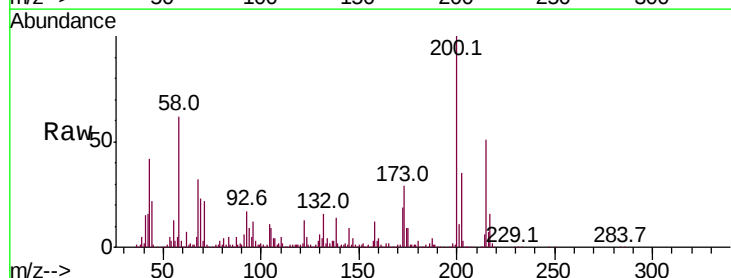
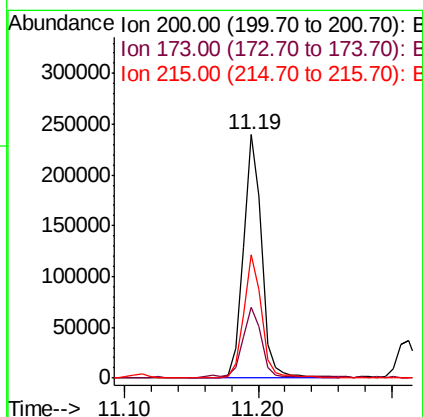
Manual Integrations
APPROVED

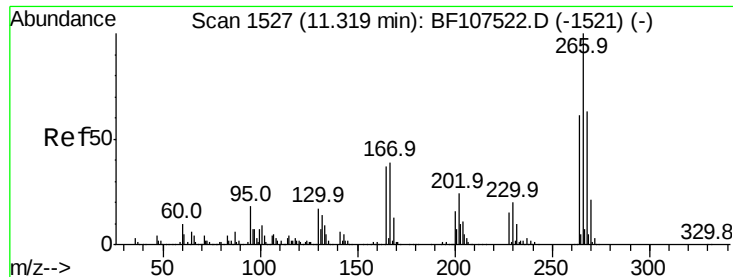
Sohil
7/25/2018 12:58:38 PM



#68
Atrazine
Concen: 36.187 ng
RT: 11.19 min Scan# 1506
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	228563		
173	29.0	8.6	48.6	
215	50.8	25.1	65.1	





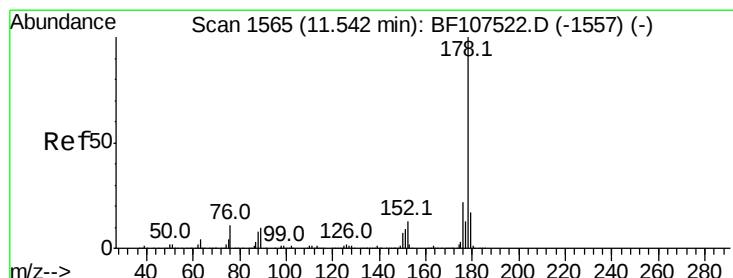
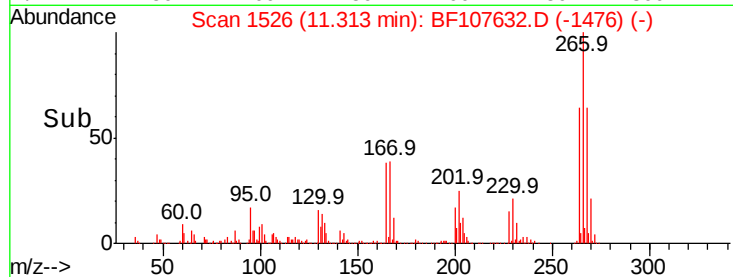
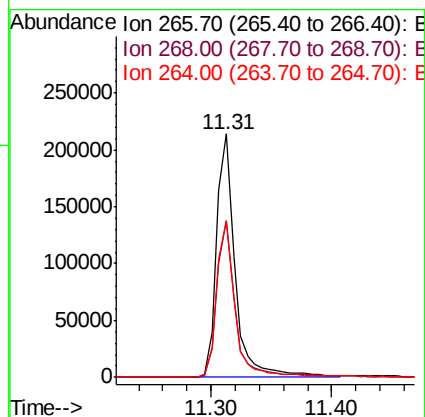
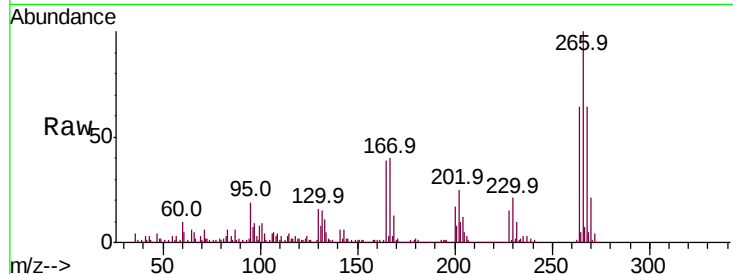
#69
 Pentachlorophenol
 Concen: 46.048 ng
 RT: 11.31 min Scan# 1526
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	226922		
268	64.1	51.1	76.7	
264	64.5	49.5	74.3	

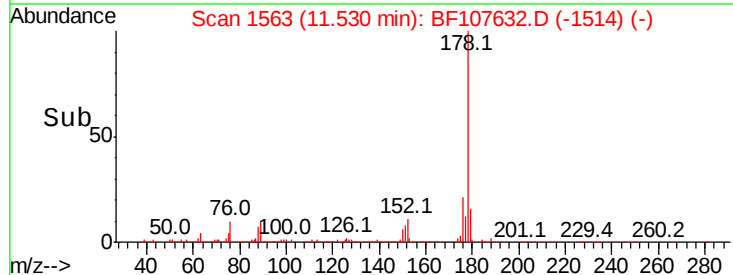
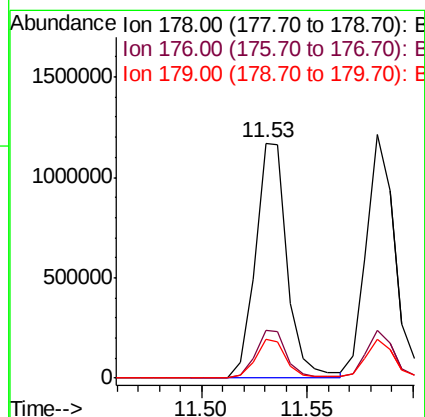
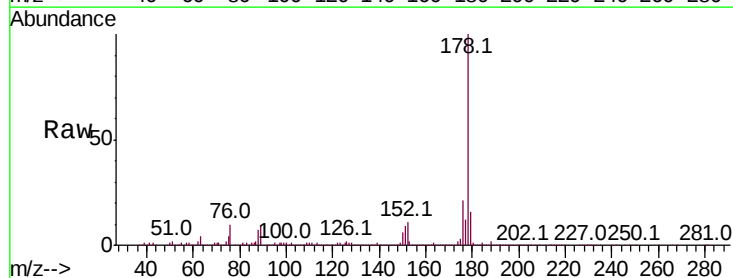
Manual Integrations
 APPROVED

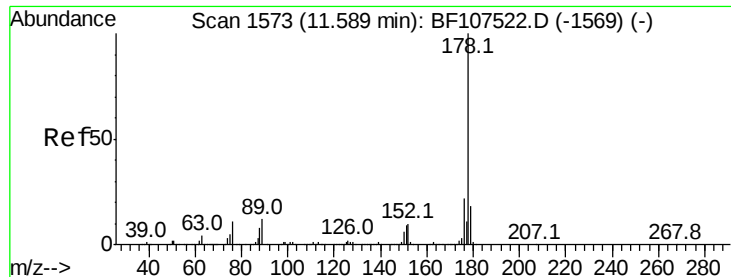
Sohil
 7/25/2018 12:58:38 PM



#70
 Phenanthrene
 Concen: 41.222 ng
 RT: 11.53 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1223563		
176	20.6	15.8	23.8	
179	16.4	13.0	19.6	





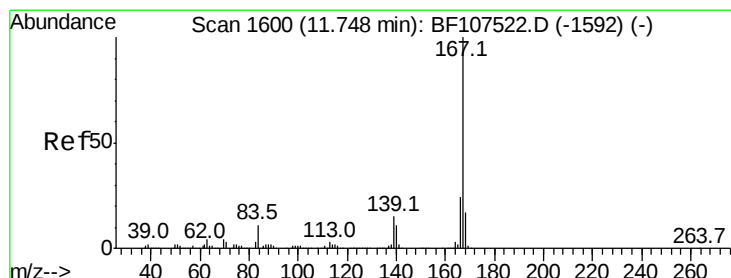
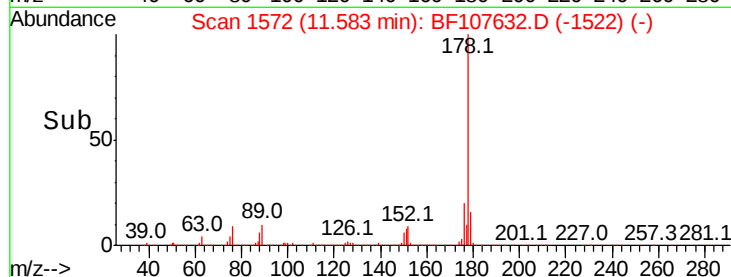
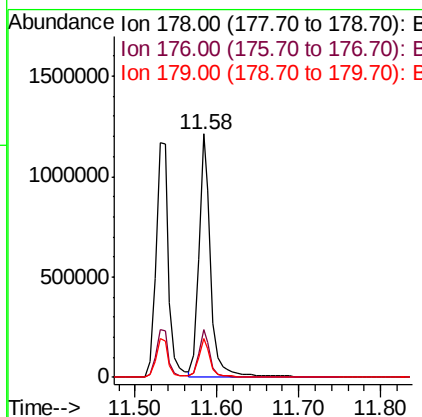
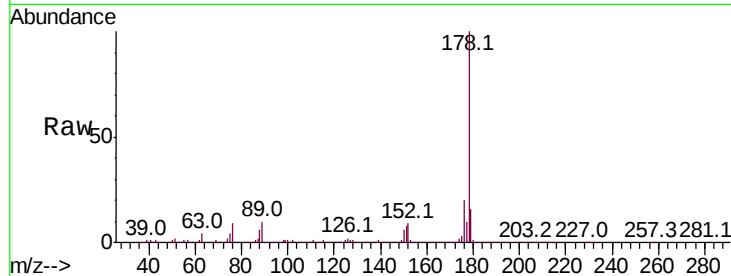
#71
 Anthracene
 Concen: 40.520 ng
 RT: 11.58 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

Tot Ion:178 Resp: 1210977
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.2
 179 15.9 12.6 19.0

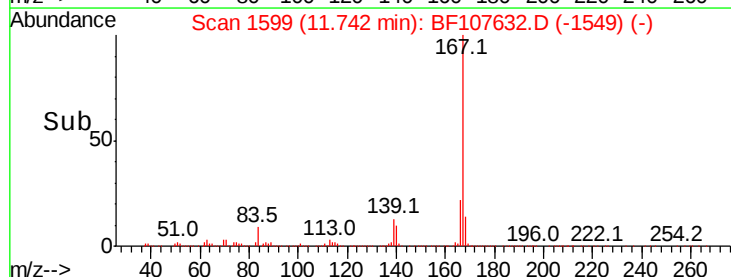
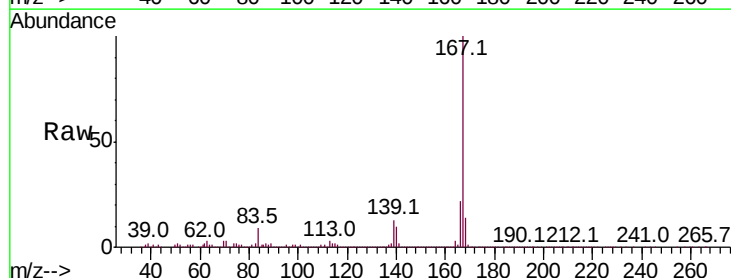
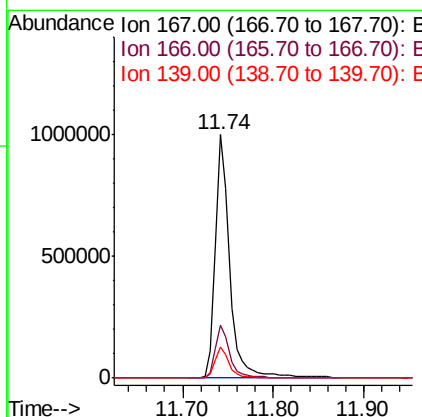
Manual Integrations
 APPROVED

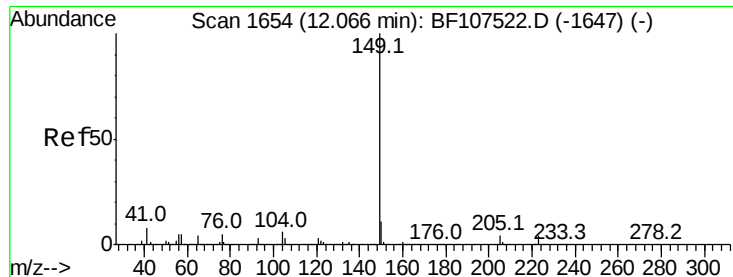
Sohil
 7/25/2018 12:58:38 PM



#72
 Carbazole
 Concen: 35.598 ng
 RT: 11.74 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Tgt Ion:167 Resp: 1106295
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.6 26.4
 139 12.6 10.9 16.3





#73

Di-n-butylphthalate

Concen: 40.438 ng

RT: 12.05 min Scan# 1652

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MSD

Tot Ion:149 Resp: 1332399

Ion Ratio Lower Upper

149 100

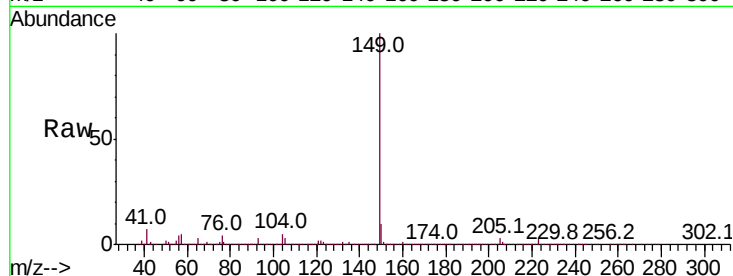
150 9.9 7.8 11.6

104 4.6 3.8 5.8

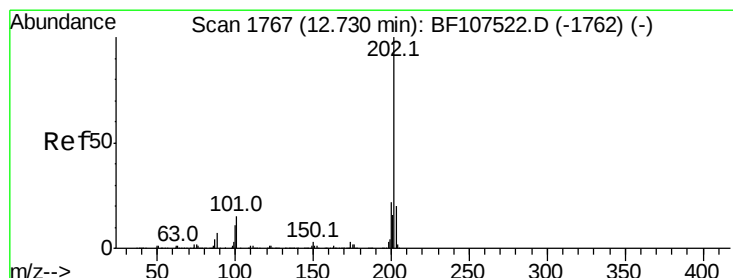
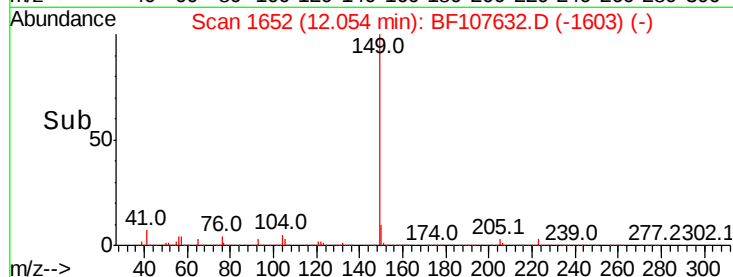
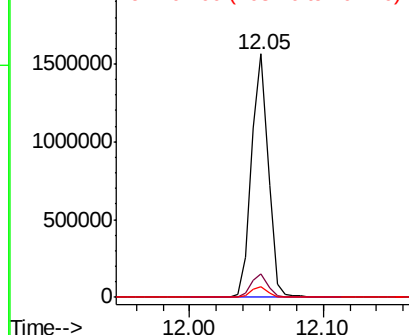
Manual Integrations
APPROVED

Sohil

7/25/2018 12:58:38 PM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 43.785 ng

RT: 12.72 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

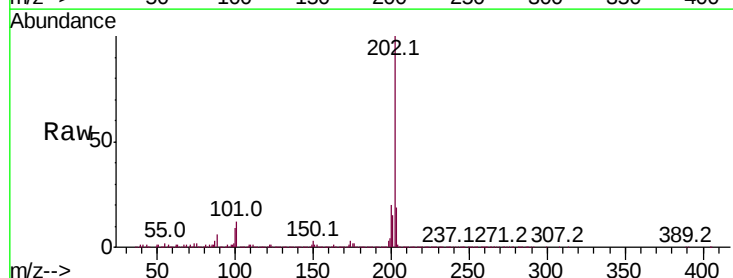
Tgt Ion:202 Resp: 1394610

Ion Ratio Lower Upper

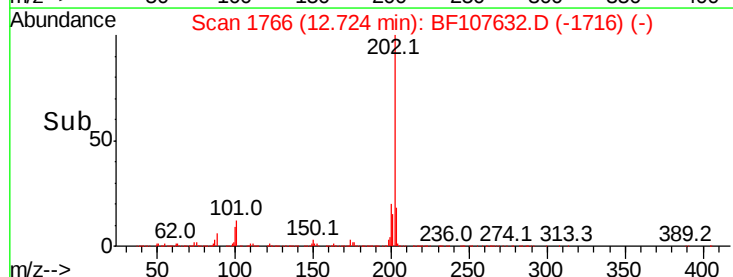
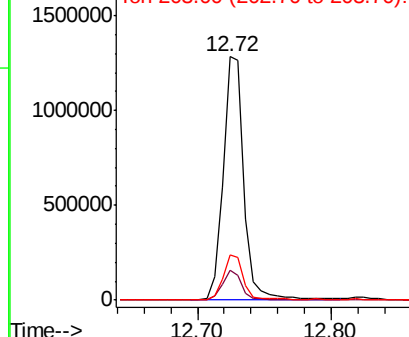
202 100

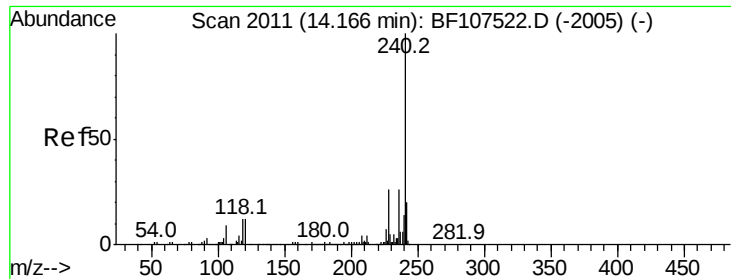
101 12.2 0.0 34.1

203 18.5 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

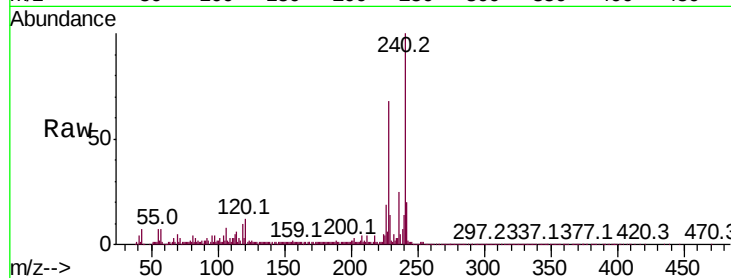
ClientSampleId :

GL-TOPSOIL-03MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.5	14.3
236	25.5	20.7	31.1

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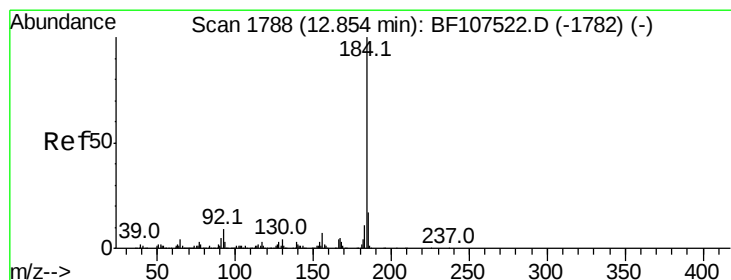
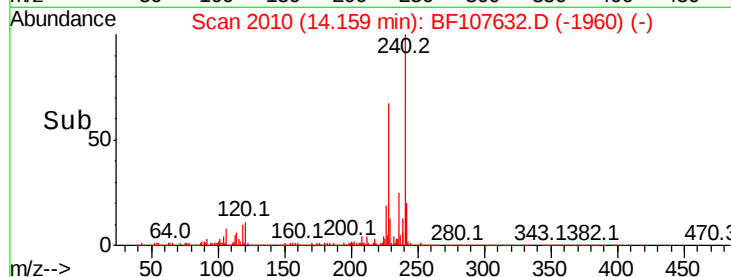
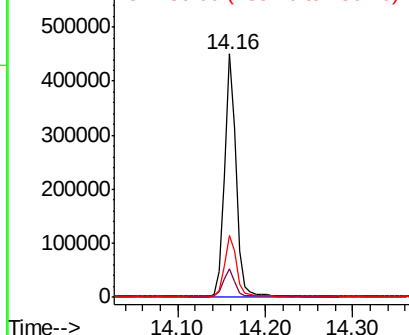


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 2.933 ng

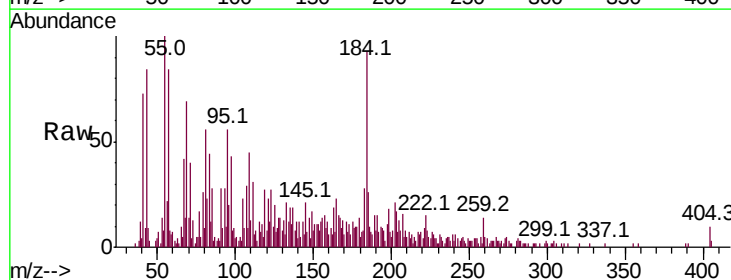
RT: 12.86 min Scan# 1789

Delta R.T. 0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Lower	Upper
184	100		
185	28.6	12.6	18.8#
183	30.2	9.3	13.9#

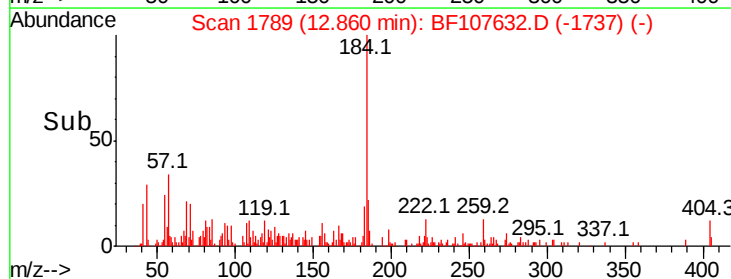
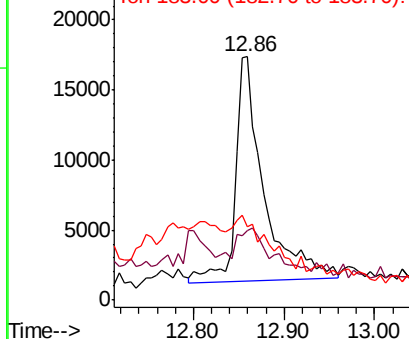


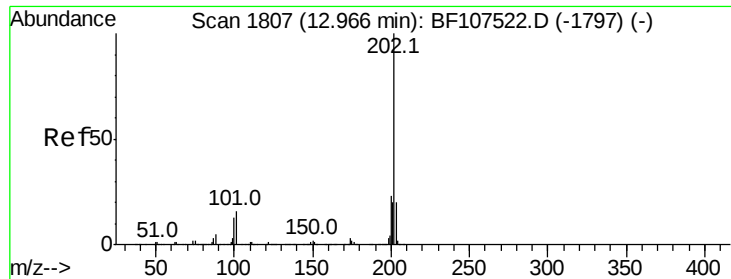
Abundance

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





#77

Pvrene

Concen: 48.083 ng

RT: 12.96 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

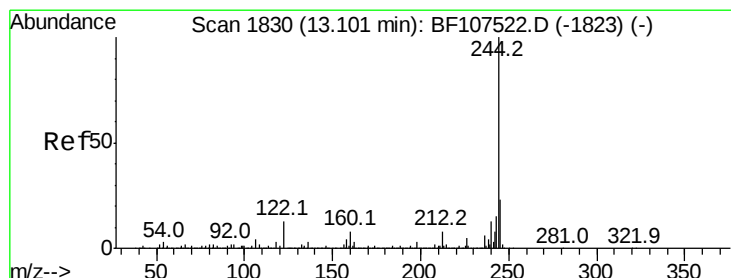
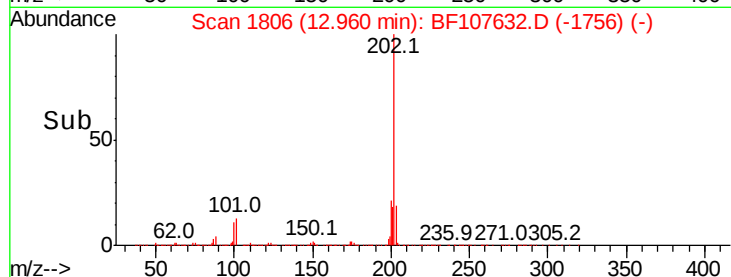
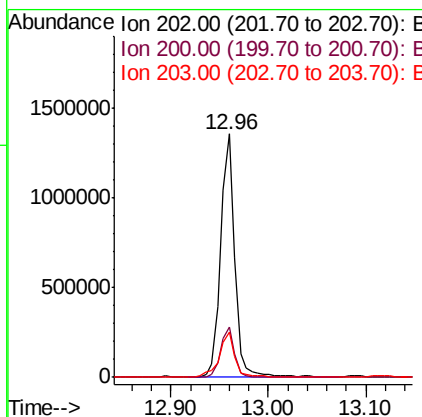
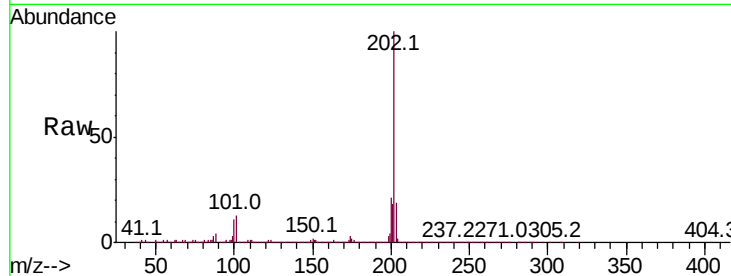
ClientSampleId :

GL-TOPSOIL-03MSD

Tot Ion:	202	Resp:	1366455
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	18.7	14.3	21.5

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#78

Terphenyl-d14

Concen: 89.959 ng

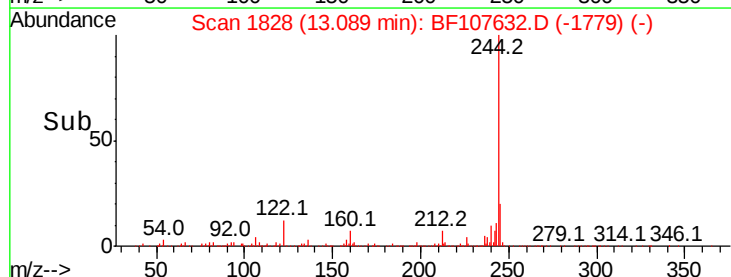
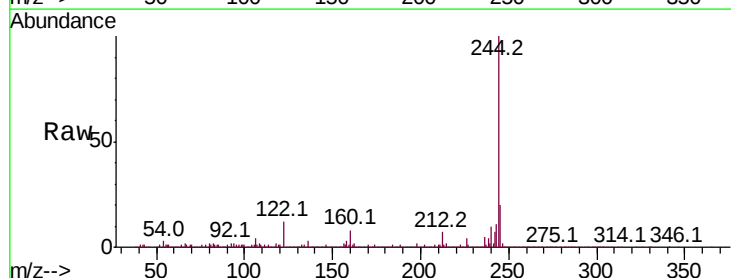
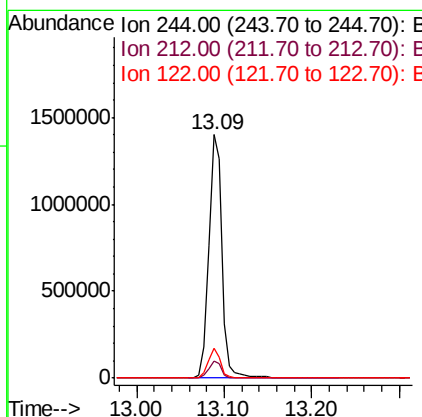
RT: 13.09 min Scan# 1828

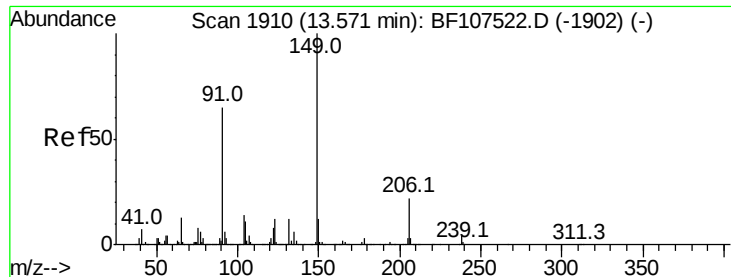
Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Tgt Ion:	244	Resp:	1459909
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.4	8.0
122	12.1	11.0	16.4





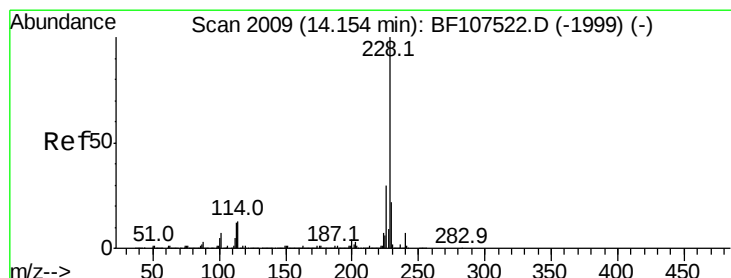
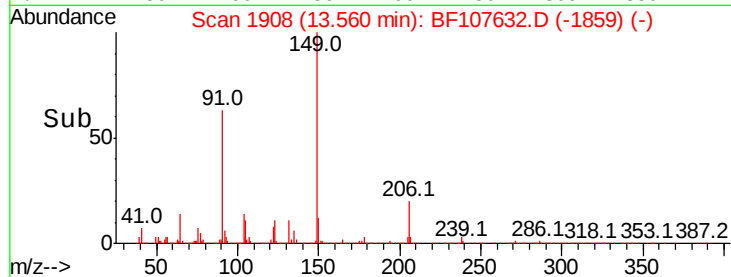
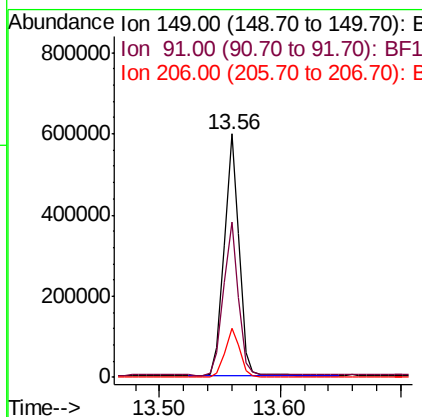
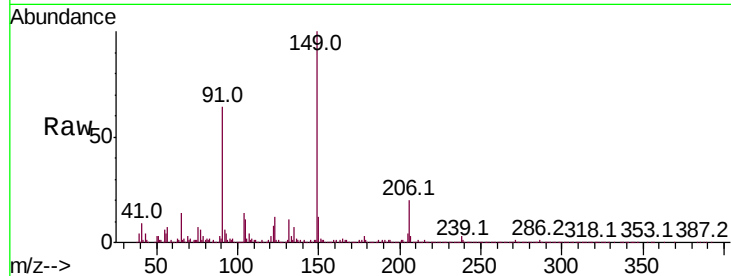
#79
Butylbenzylphthalate
Concen: 41.484 ng
RT: 13.56 min Scan# 1908
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
91	63.6	56.8	85.2	
206	20.3	14.1	21.1	

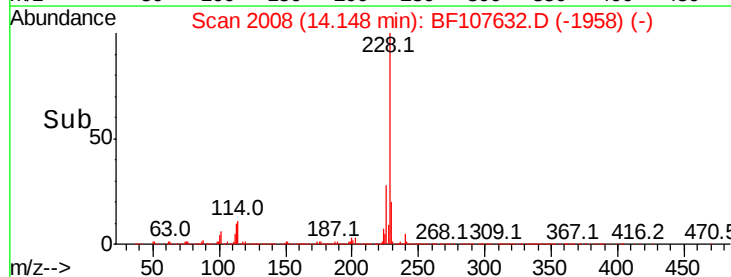
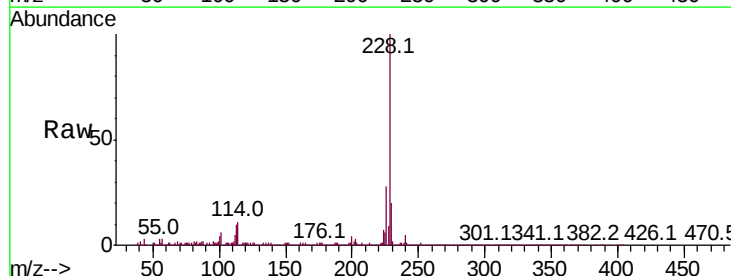
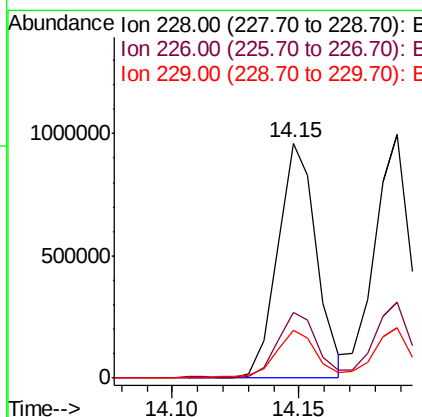
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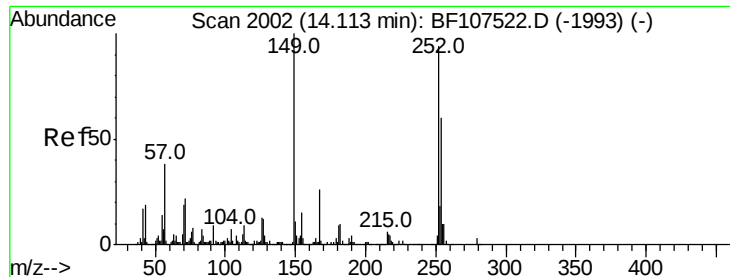
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#80
Benzo(a)anthracene
Concen: 41.916 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	28.2	22.6	33.8	
229	20.2	15.8	23.6	





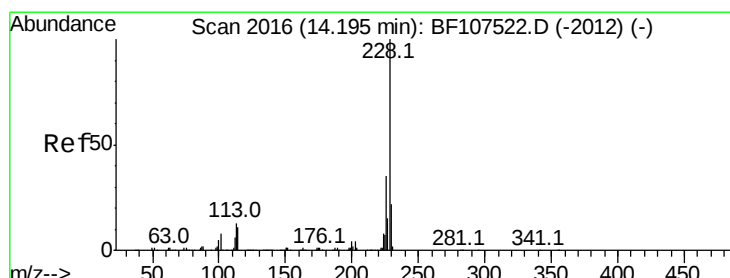
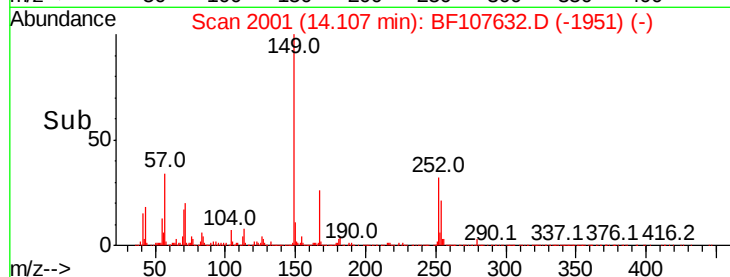
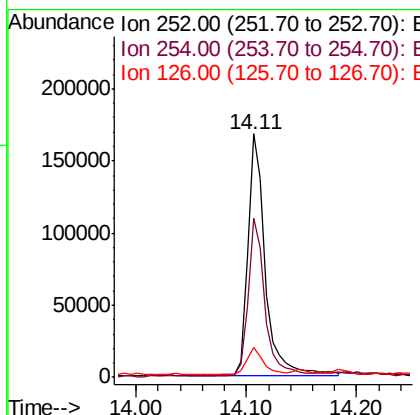
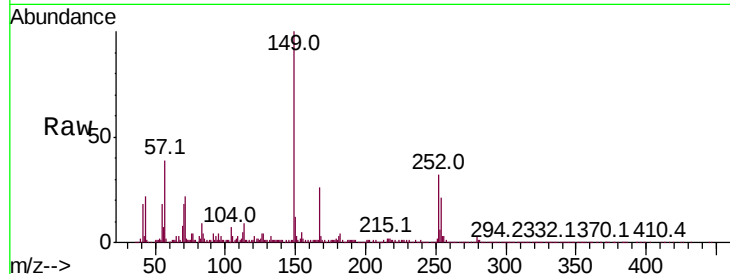
#81
3,3'-Dichlorobenzidine
Concen: 22.506 ng
RT: 14.11 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	188281		
254	65.1	50.4	75.6	
126	12.0	11.3	16.9	

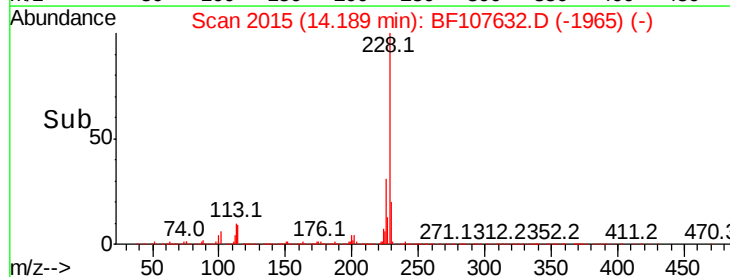
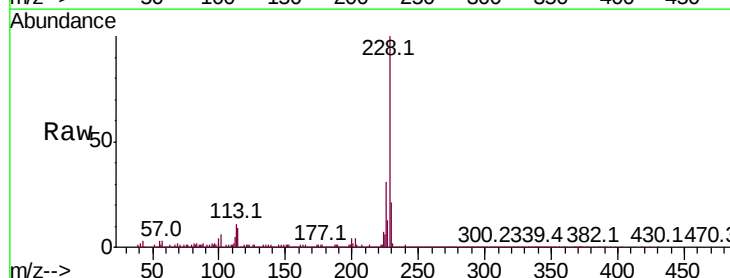
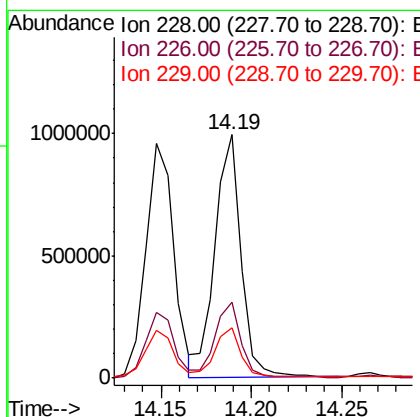
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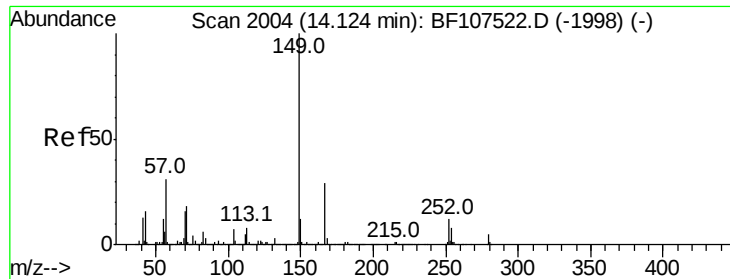
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#82
Chrysene
Concen: 42.381 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	991207		
226	31.1	25.0	37.6	
229	20.6	16.2	24.4	





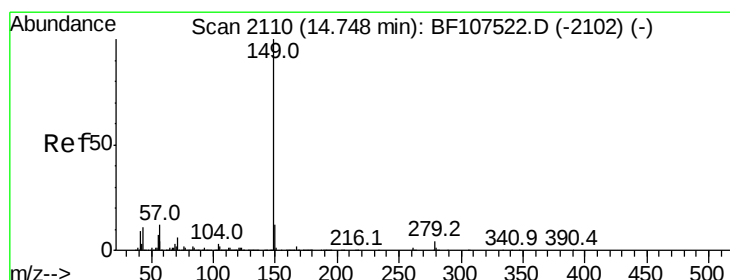
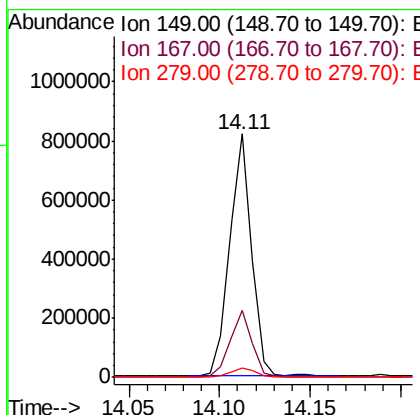
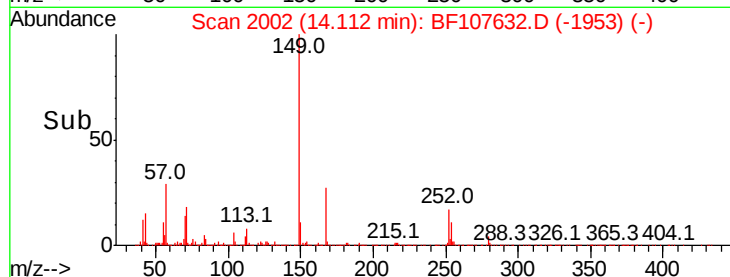
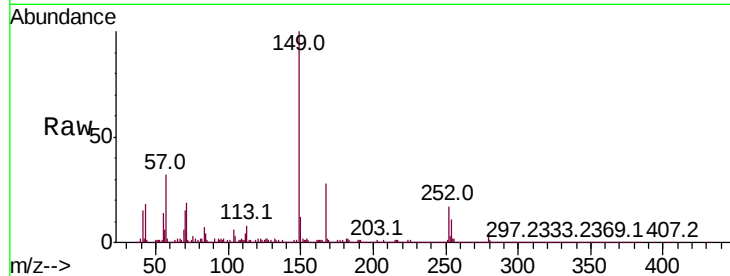
#83
Bis(2-ethylhexyl)phthalate
Concen: 39.651 ng
RT: 14.11 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.3	31.9
279	4.1	3.0	4.4

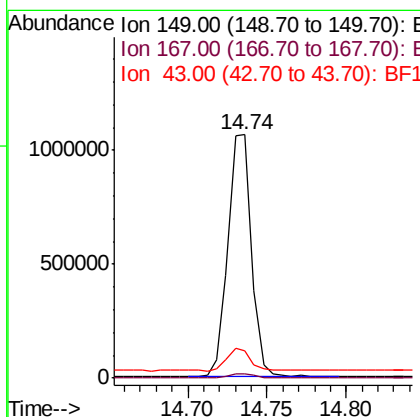
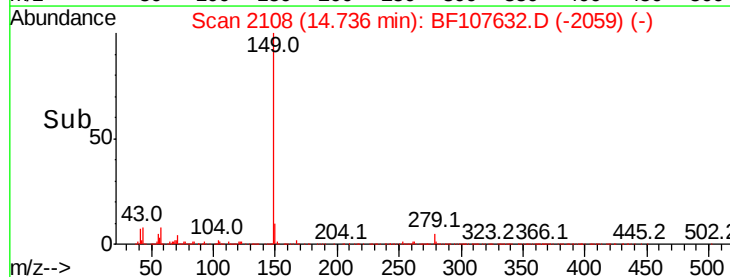
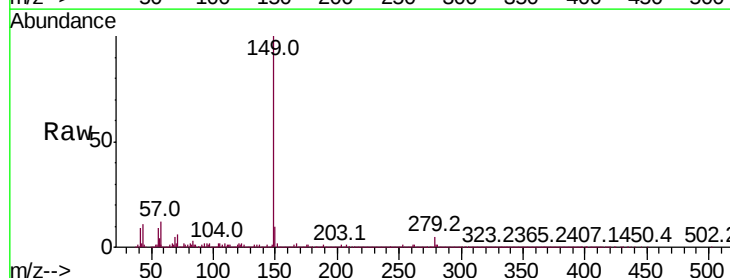
Manual Integrations
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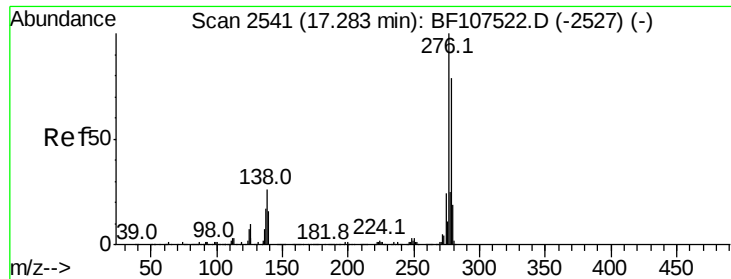
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#84
Di-n-octyl phthalate
Concen: 40.741 ng
RT: 14.74 min Scan# 2108
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.8	8.4	12.6





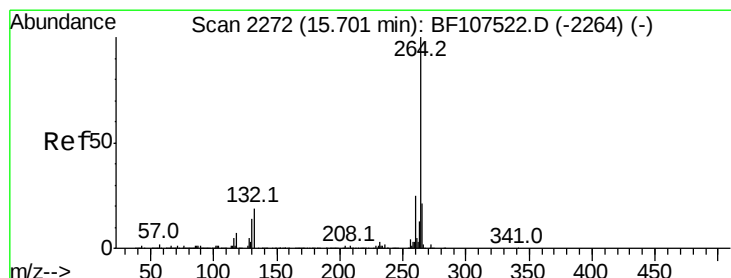
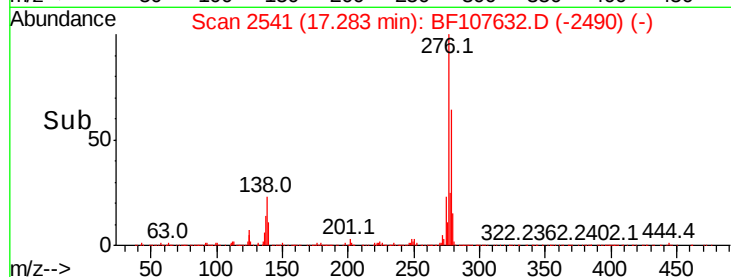
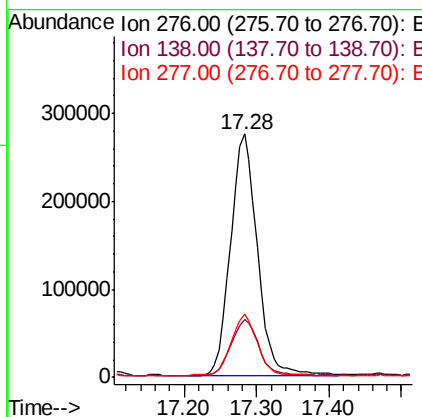
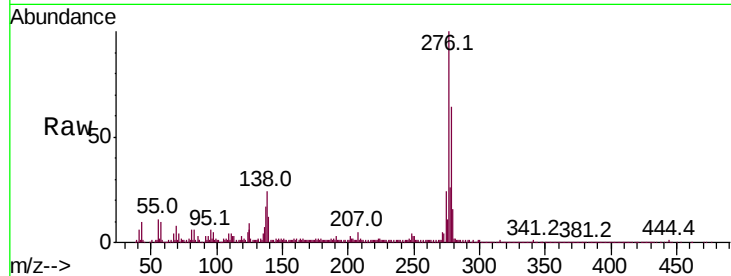
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 35.721 ng
 RT: 17.28 min Scan# 2541
 Delta R.T. -0.00 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.7	25.0	37.6#
277	23.9	20.1	30.1

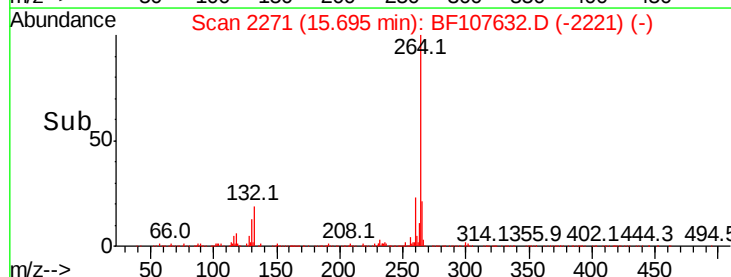
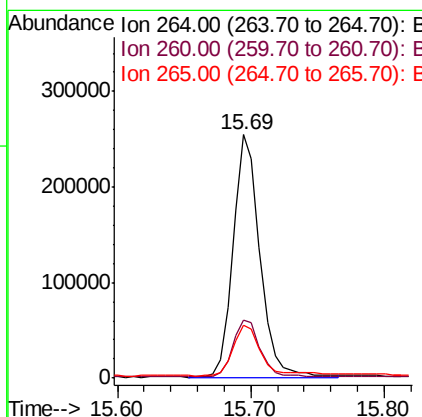
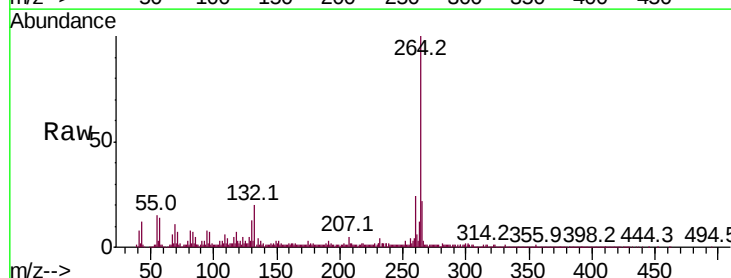
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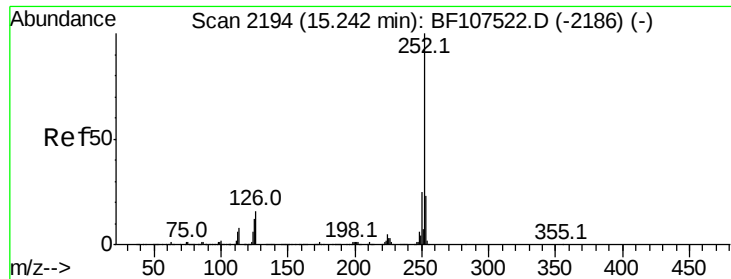
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BF107632.D
 Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 45.783 ng

RT: 15.24 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Instrument :

BNA_F

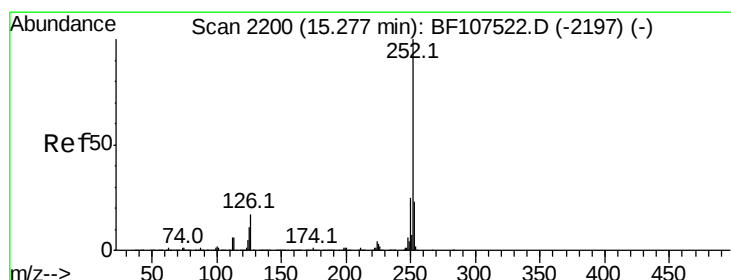
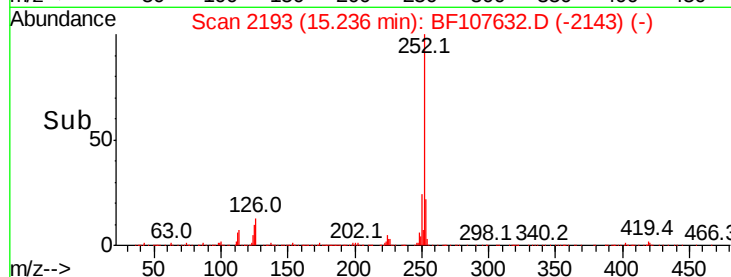
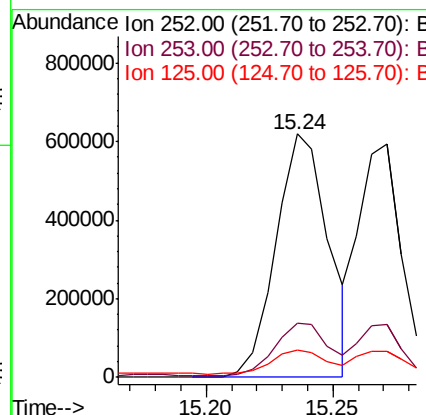
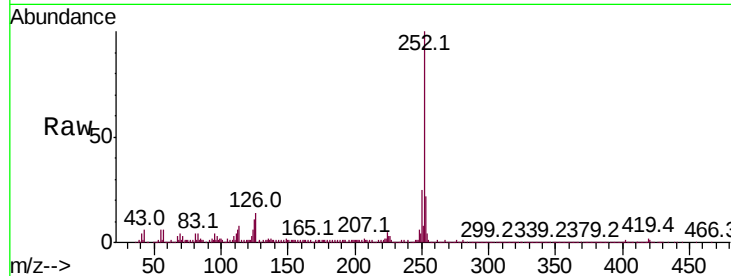
ClientSampleId :

GL-TOPSOIL-03MSD

Tot Ion:	252	Resp:	886380
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.0	25.6
125	11.3	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 38.161 ng

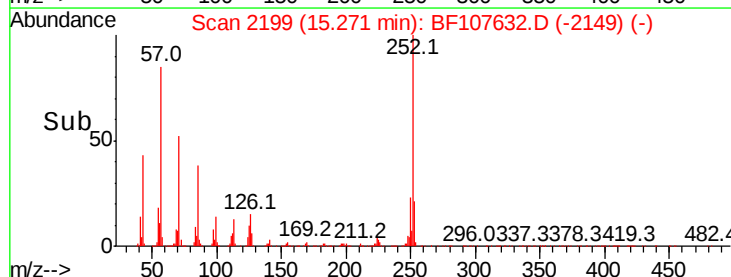
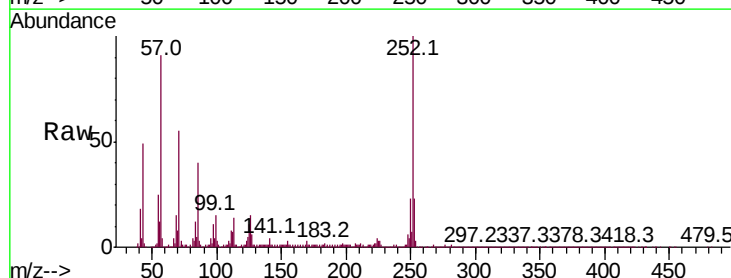
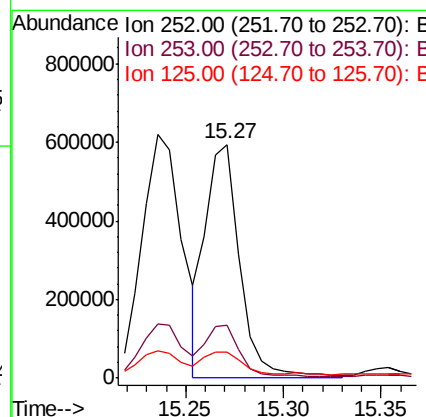
RT: 15.27 min Scan# 2199

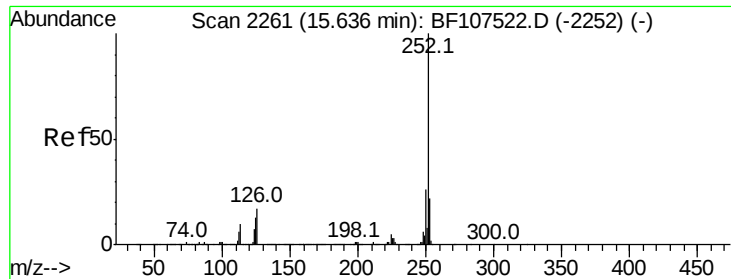
Delta R.T. -0.01 min

Lab File: BF107632.D

Acq: 24 Jul 2018 21:13

Tgt Ion:	252	Resp:	723837
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.9	26.9
125	11.3	10.2	15.2





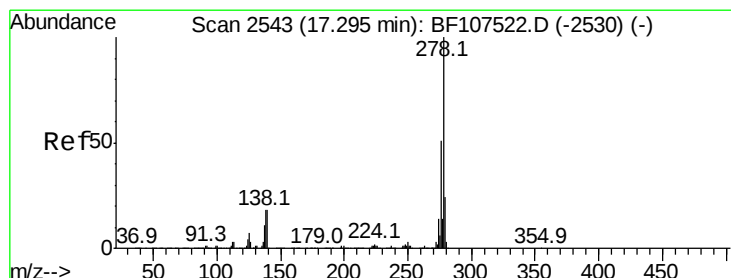
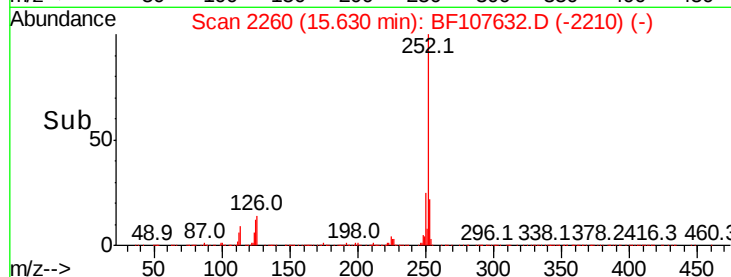
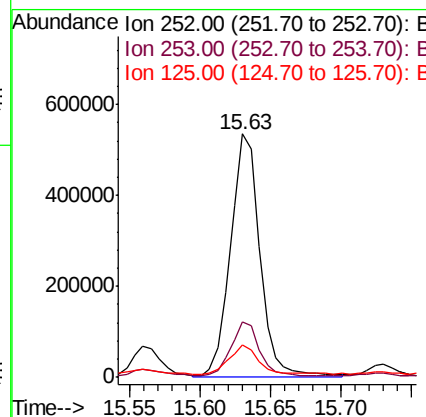
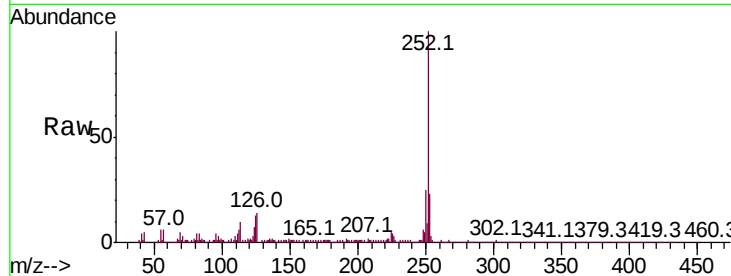
#89
Benzo(a)pyrene
Concen: 43.442 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	13.2	9.8	14.6

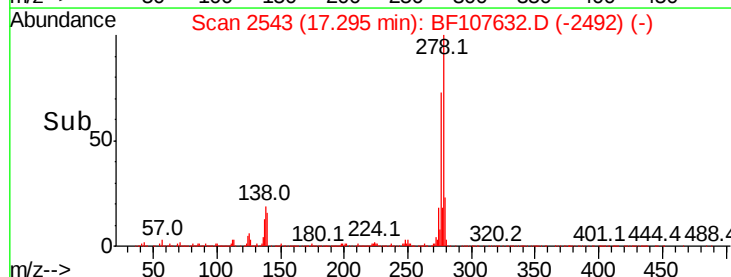
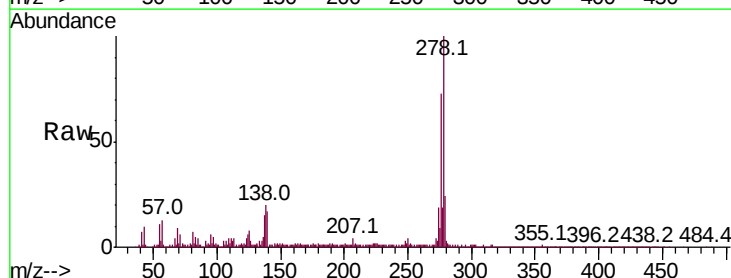
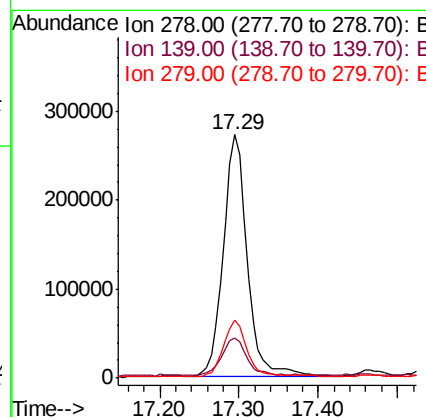
Manual Integrations
APPROVED

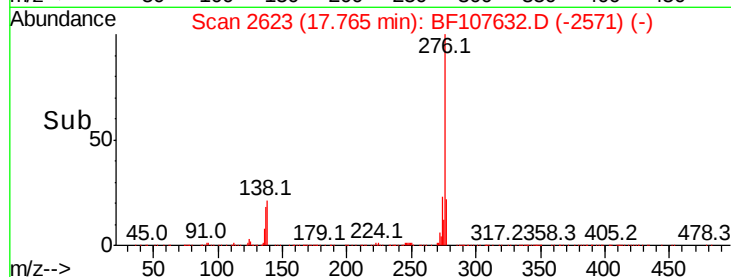
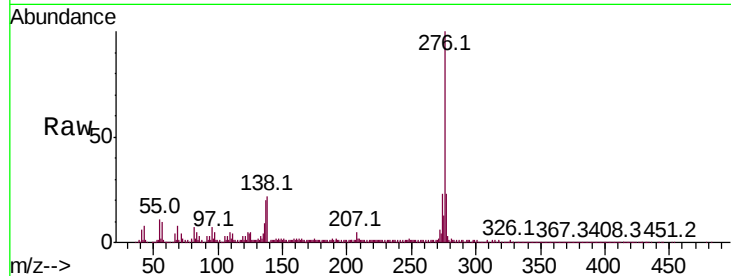
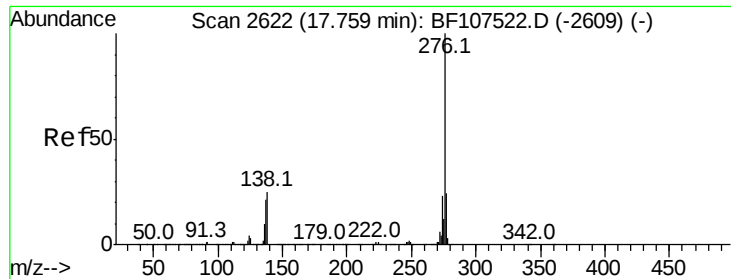
Sohil
7/25/2018 12:58:38 PM



#90
Dibenzo(a,h)anthracene
Concen: 37.361 ng
RT: 17.29 min Scan# 2543
Delta R.T. -0.00 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.6	15.9	23.9
279	23.9	19.0	28.4





#91
Benzo(a,h,i)perylene
Concen: 38.487 ng
RT: 17.77 min Scan# 2623
Delta R.T. 0.01 min
Lab File: BF107632.D
Acq: 24 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.2	17.9	26.9
138	21.8	21.8	32.8

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