

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
 Data File : BF107631.D
 Acq On : 24 Jul 2018 20:46
 Operator : JU/SJ
 Sample : J4098-04MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MS

Manual Integrations
 APPROVED

Sohil
 7/25/2018 12:58:36 PM

Quant Time: Jul 25 04:15:25 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	258665	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	929214	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	350820	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	623580	20.00	ng	0.00
75) Chrysene-d12	14.16	240	426095	20.00	ng	0.00
86) Perylene-d12	15.69	264	354560	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	1774743	110.31	ng	0.00
7) Phenol-d6	6.62	99	2046231	105.93	ng	0.00
23) Nitrobenzene-d5	7.54	82	1302047	94.57	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	475581	119.21	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1942428	99.21	ng	0.00
78) Terphenyl-d14	13.09	244	1612247	96.87	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.89	88	201280	26.880	ng	# 86
3) Pyridine	3.67	79	540448	26.530	ng	86
4) n-Nitrosodimethylamine	3.63	42	255680	29.759	ng	93
6) Aniline	6.67	93	424372	17.033	ng	98
8) 2-Chlorophenol	6.77	128	577152	33.485	ng	98
9) Benzaldehyde	6.52	77	200579	13.898	ng	94
10) Phenol	6.63	94	681875	30.014	ng	91
11) bis(2-Chloroethyl)ether	6.71	93	573147	30.429	ng	93
12) 1,3-Dichlorobenzene	6.91	146	625780	32.022	ng	97
13) 1,4-Dichlorobenzene	6.99	146	649879	32.446	ng	99
14) 1,2-Dichlorobenzene	7.14	146	575945	32.042	ng	100
15) Benzyl Alcohol	7.11	79	502506	38.168	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.24	45	926524	29.158	ng	69
17) 2-Methylphenol	7.22	107	475421	32.453	ng	# 92
18) Hexachloroethane	7.48	117	164606	23.431	ng	98
19) n-Nitroso-di-n-propylamine	7.38	70	387853	31.079	ng	96
20) 3+4-Methylphenols	7.38	107	571615	32.860	ng	# 58
22) Acetophenone	7.38	105	811592	37.190	ng	# 89
24) Nitrobenzene	7.56	77	581308	36.861	ng	95
25) Isophorone	7.79	82	1043420	35.492	ng	98
26) 2-Nitrophenol	7.87	139	272345	40.895	ng	100
27) 2,4-Dimethylphenol	7.91	122	492247	39.049	ng	98
28) bis(2-Chloroethoxy)methane	8.00	93	686583	34.946	ng	99
29) 2,4-Dichlorophenol	8.11	162	458391	35.577	ng	100
30) 1,2,4-Trichlorobenzene	8.19	180	482398	33.334	ng	98
31) Naphthalene	8.28	128	1538595	37.654	ng	99
32) Benzoic acid	8.04	122	13451m	9.177	ng	
33) 4-Chloroaniline	8.34	127	278225	15.578	ng	97
34) Hexachlorobutadiene	8.38	225	278786	32.421	ng	100
35) Caprolactam	8.70	113	129997	31.019	ng	# 82
36) 4-Chloro-3-methylphenol	8.81	107	455726	31.841	ng	97
37) 2-Methylnaphthalene	8.97	142	998252	35.255	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.13	216	454135	38.811	ng	# 97
40) Hexachlorocyclopentadiene	9.11	237	26787	4.503	ng	95

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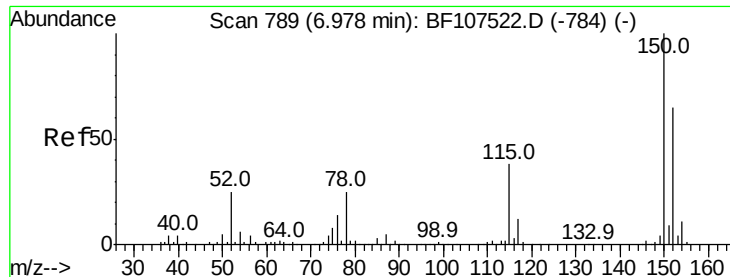
Manual Integrations
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Quant Time: Jul 25 04:15:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.25	196	282992	37.784	nq	100
43) 2,4,5-Trichlorophenol	9.30	196	300263	38.358	nq	96
45) 1,1'-Biphenyl	9.43	154	1161156	37.995	nq	99
46) 2-Chloronaphthalene	9.46	162	854990	36.601	nq	98
47) 2-Nitroaniline	9.56	65	314969	46.250	nq	87
48) Acenaphthylene	9.88	152	1349066	38.445	nq	99
49) Dimethylphthalate	9.72	163	1227644	46.431	nq	99
50) 2,6-Dinitrotoluene	9.80	165	194773	37.104	nq	92
51) Acenaphthene	10.05	154	758417	34.495	nq	99
52) 3-Nitroaniline	9.97	138	208893	32.710	nq	98
53) 2,4-Dinitrophenol	10.11	184	1718	9.238	nq #	1
54) Dibenzofuran	10.22	168	1127336	34.829	nq	98
55) 4-Nitrophenol	10.14	139	281932	58.965	nq	94
56) 2,4-Dinitrotoluene	10.20	165	231769	36.577	nq	94
57) Fluorene	10.57	166	868541	37.612	nq	95
58) 2,3,4,6-Tetrachlorophenol	10.34	232	233247	35.802	nq #	87
59) Diethylphthalate	10.42	149	978344	35.430	nq	98
60) 4-Chlorophenyl-phenylether	10.55	204	436042	33.402	nq	93
61) 4-Nitroaniline	10.60	138	228421	42.572	nq	92
62) Azobenzene	10.71	77	831275	32.104	nq	94
64) 4,6-Dinitro-2-methylphenol	10.61	198	5110	10.071	nq #	8
65) n-Nitrosodiphenylamine	10.67	169	772855	36.493	nq	99
66) 4-Bromophenyl-phenylether	11.04	248	251258	34.229	nq #	89
67) Hexachlorobenzene	11.11	284	263254	32.594	nq #	87
68) Atrazine	11.20	200	222211	34.365	nq	95
69) Pentachlorophenol	11.31	266	243427	48.252	nq	99
70) Phenanthrene	11.53	178	1185693	39.019	nq	99
71) Anthracene	11.58	178	1190285	38.904	nq	100
72) Carbazole	11.74	167	1114631	35.034	nq	99
73) Di-n-butylphthalate	12.05	149	1285996	37.354	nq	99
74) Fluoranthene	12.72	202	1482908	45.477	nq	97
77) Pyrene	12.96	202	1438929	49.371	nq	99
79) Butylbenzylphthalate	13.56	149	511792	40.832	nq	93
80) Benzo(a)anthracene	14.15	228	1089849	43.646	nq	98
81) 3,3'-Dichlorobenzidine	14.11	252	139053	15.221	nq	99
82) Chrysene	14.19	228	1076421	44.877	nq	100
83) Bis(2-ethylhexyl)phthalate	14.11	149	707186	39.987	nq	98
84) Di-n-octyl phthalate	14.73	149	1090287	39.662	nq	97
85) Indeno(1,2,3-cd)pyrene	17.28	276	789212	38.822	nq #	91
87) Benzo(b)fluoranthene	15.24	252	958838	49.413	nq	98
88) Benzo(k)fluoranthene	15.27	252	724785	38.124	nq	99
89) Benzo(a)pyrene	15.63	252	815266	45.930	nq	98
90) Dibenzo(a,h)anthracene	17.29	278	584352	38.084	nq	97
91) Benzo(g,h,i)perylene	17.77	276	647561	42.786	nq #	91

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



#1

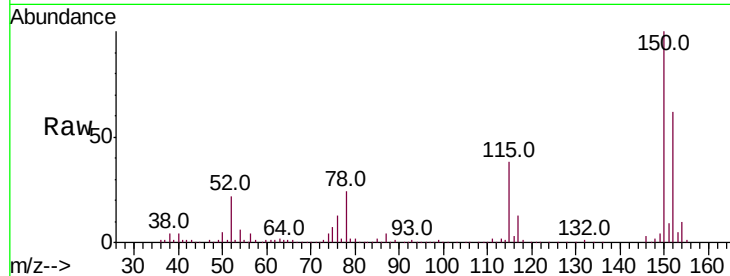
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.6	186.8
115	61.3	50.1	75.1

Manual Integrations
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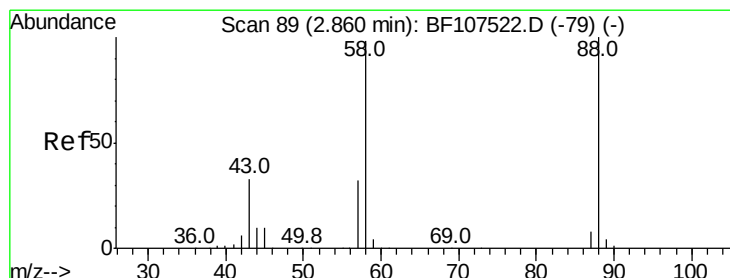
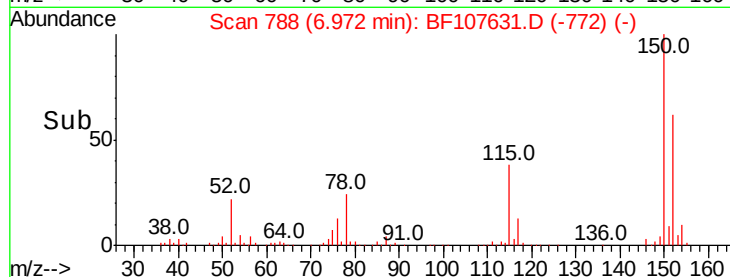
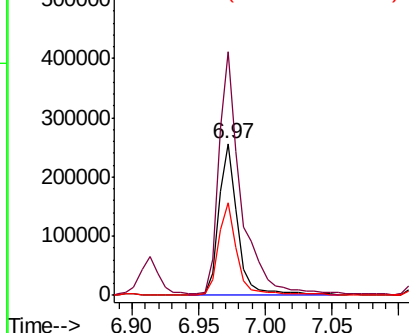


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

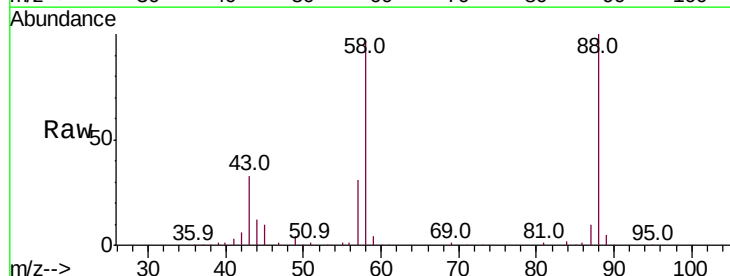
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 26.880 ng
RT: 2.89 min Scan# 94
Delta R.T. 0.03 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
88	100		
58	94.6	62.6	93.8#
43	29.4	24.6	37.0

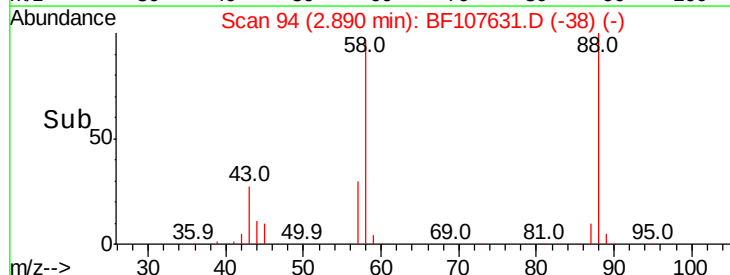
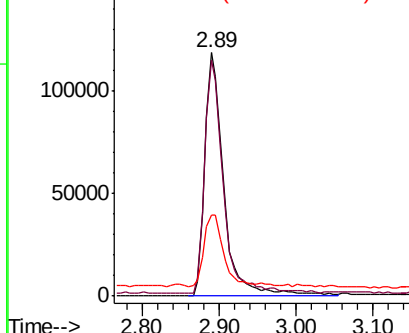


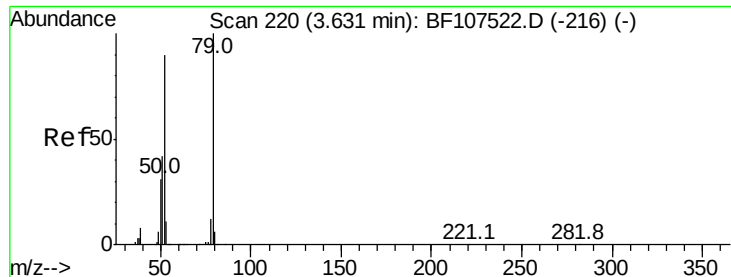
Abundance

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





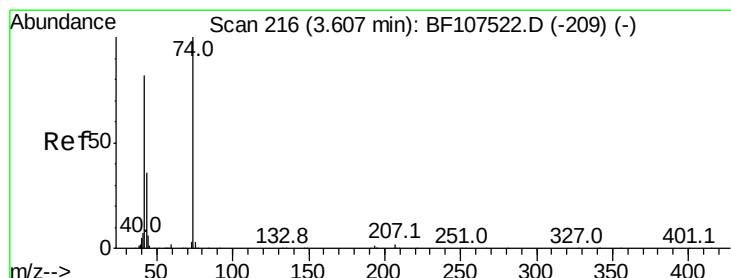
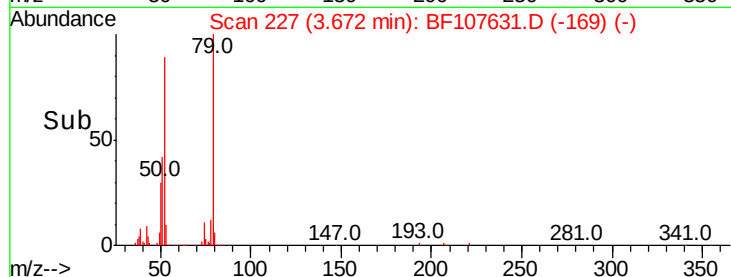
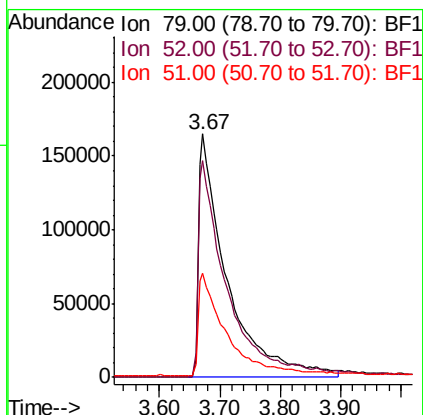
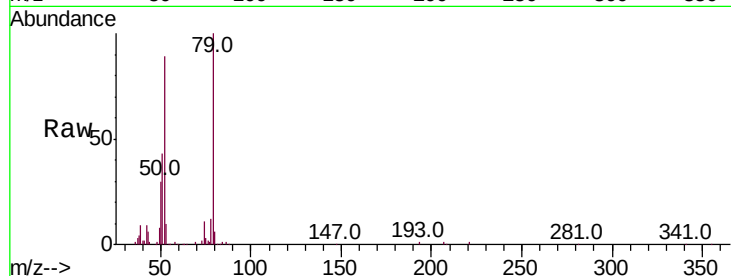
#3
 Pvridine
 Concen: 26.530 ng
 RT: 3.67 min Scan# 227
 Delta R.T. 0.04 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MS

Tot Ion	Ratio	Lower	Upper
79	100		
52	88.9	59.8	89.6
51	42.9	29.8	44.8

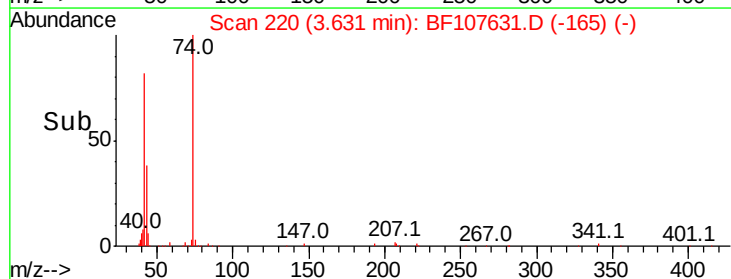
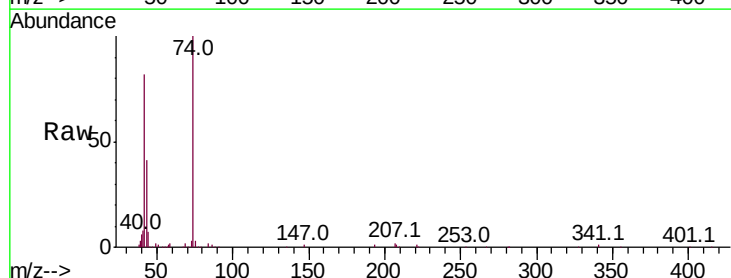
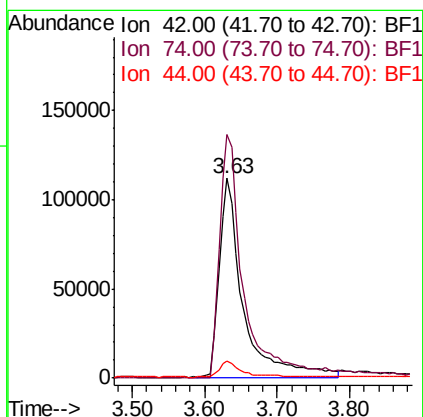
Manual Integrations
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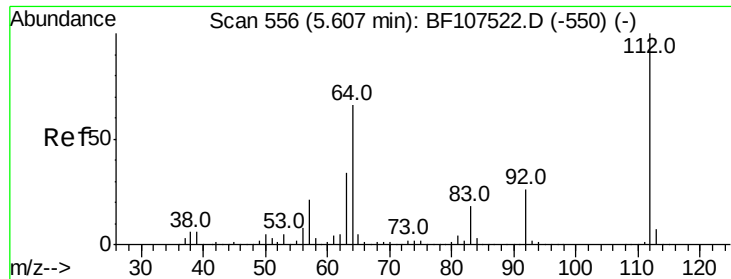
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#4
 n-Nitrosodimethylamine
 Concen: 29.759 ng
 RT: 3.63 min Scan# 220
 Delta R.T. 0.02 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
42	100		
74	121.9	104.9	157.3
44	8.3	6.9	10.3





#5

2-Fluorophenol

Concen: 110.314 ng

RT: 5.61 min Scan# 557

Delta R.T. 0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

Tot Ion:112 Resp: 1774743

Ion Ratio Lower Upper

112 100

64 66.6 47.9 71.9

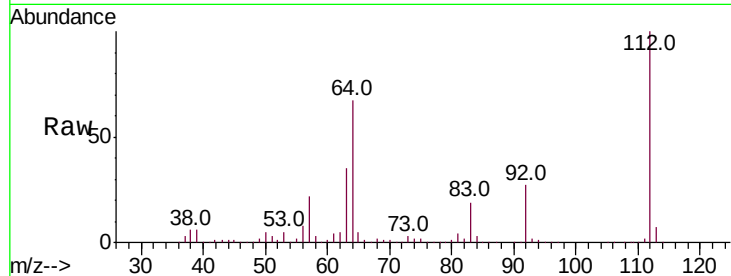
63 34.6 23.7 35.5

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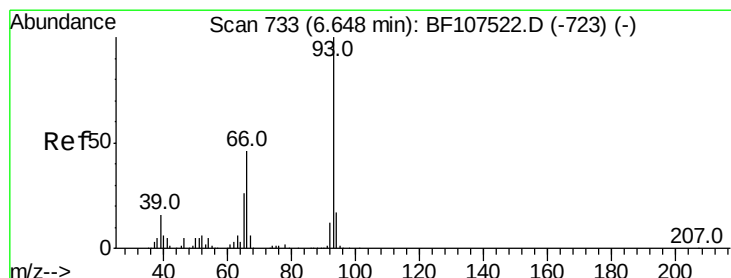
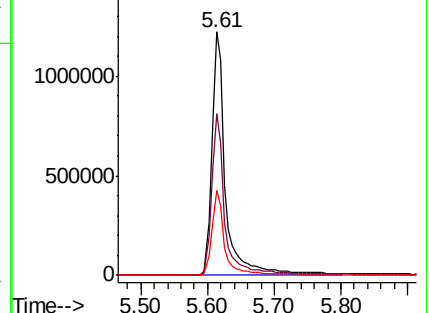
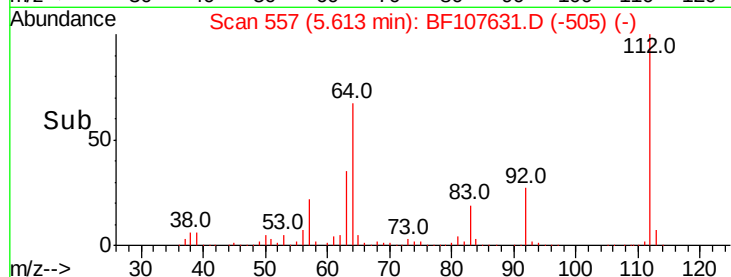
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 17.033 ng

RT: 6.67 min Scan# 736

Delta R.T. 0.02 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

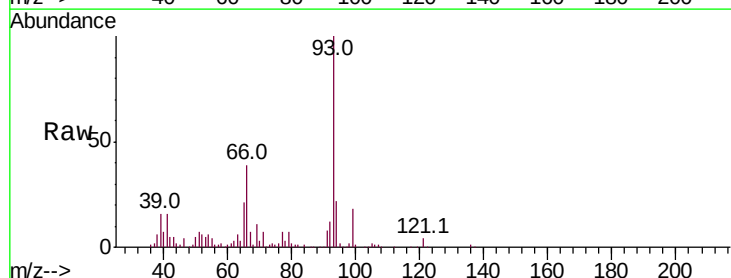
Tgt Ion: 93 Resp: 424372

Ion Ratio Lower Upper

93 100

66 38.9 32.2 48.2

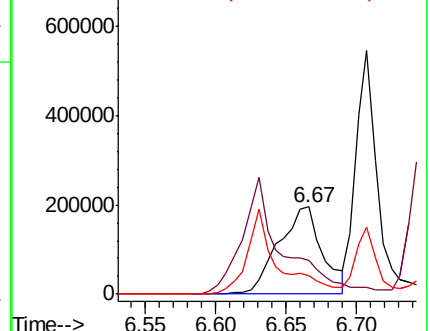
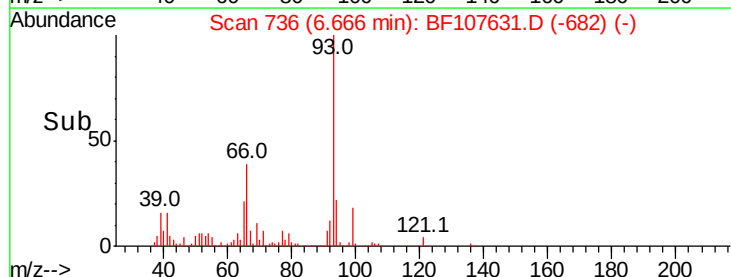
65 21.4 16.4 24.6

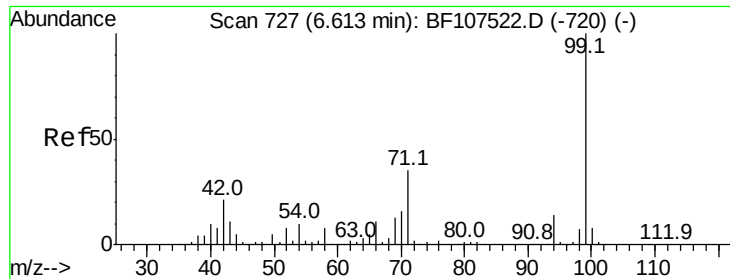


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 105.926 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

Tot Ion: 99 Resp: 2046231

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

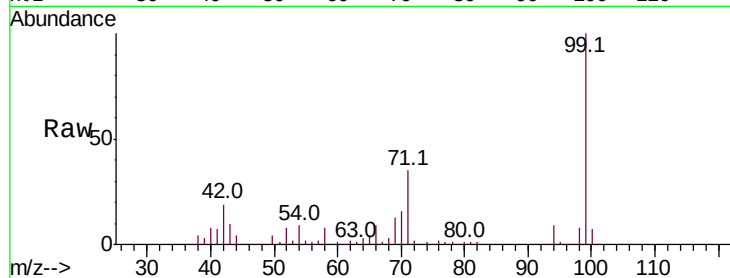
71 35.5 25.4 38.0

Manual Integrations

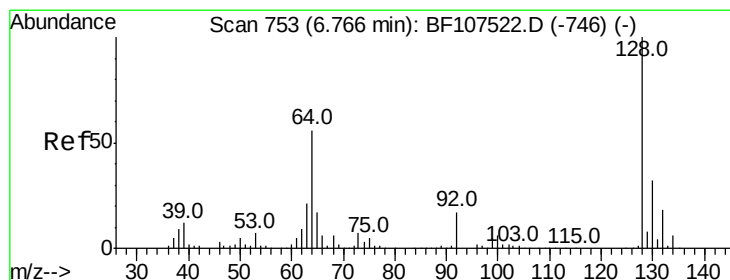
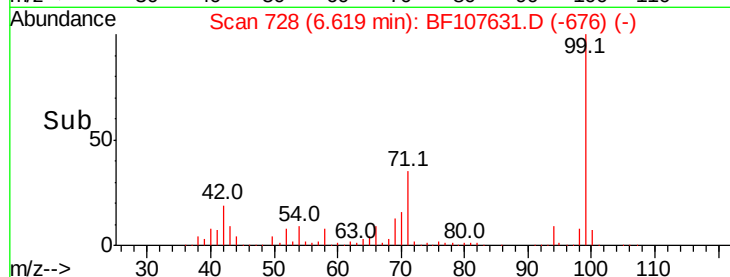
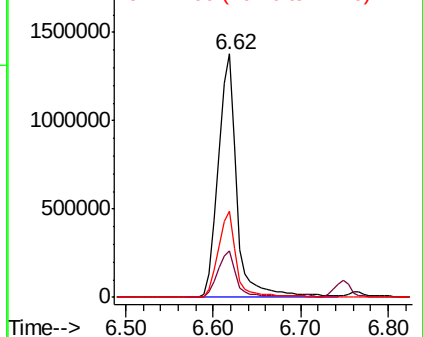
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 33.485 ng

RT: 6.77 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

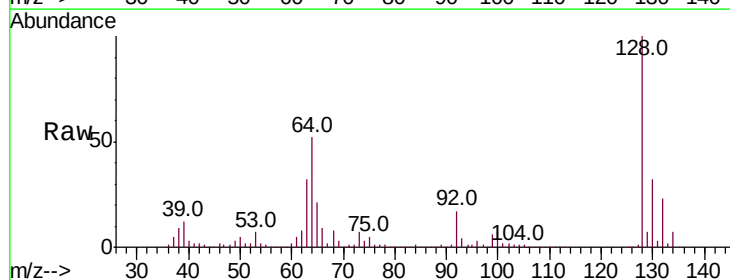
Tgt Ion: 128 Resp: 577152

Ion Ratio Lower Upper

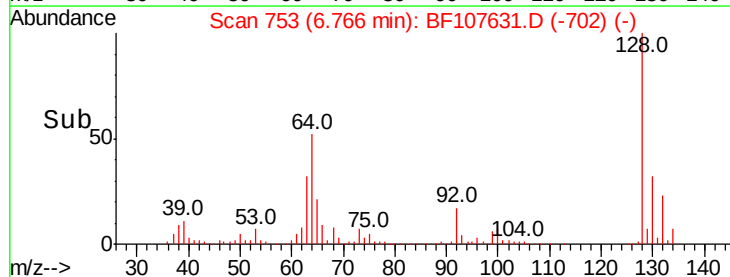
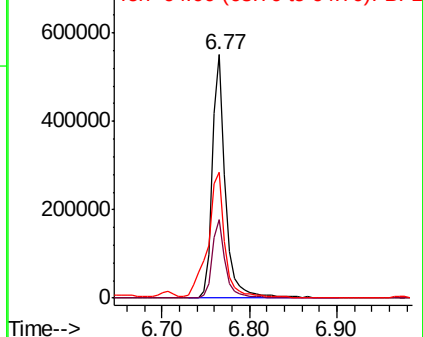
128 100

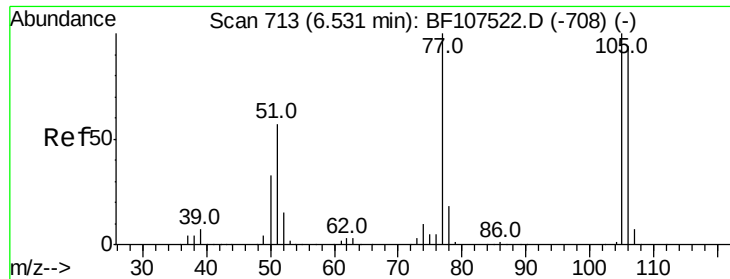
130 32.3 13.0 53.0

64 51.6 29.4 69.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 13.898 ng

RT: 6.52 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleID :

GL-TOPSOIL-03MS

Tot Ion: 77 Resp: 200579

Ion Ratio Lower Upper

77 100

105 105.3 81.1 121.1

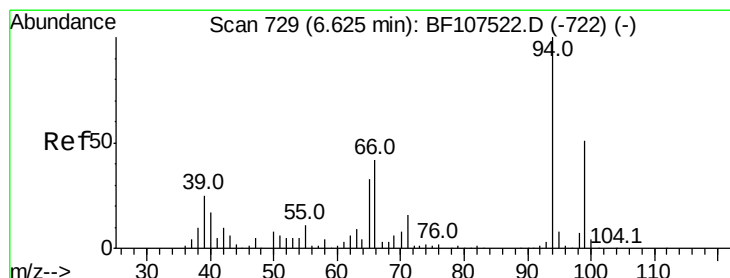
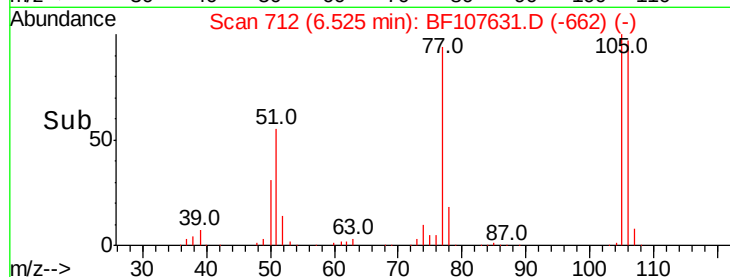
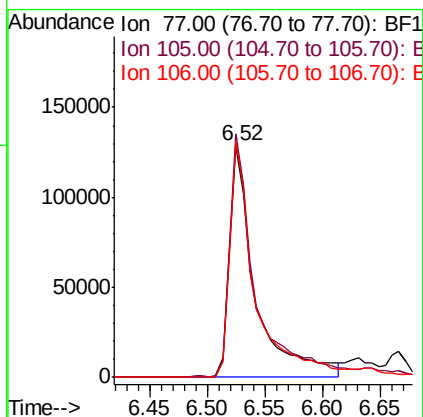
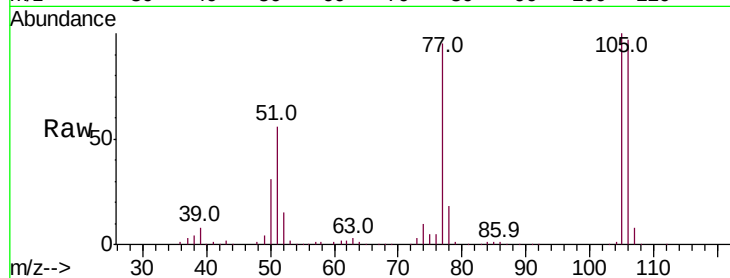
106 102.3 74.5 114.5

Manual Integrations

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#10

Phenol

Concen: 30.014 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

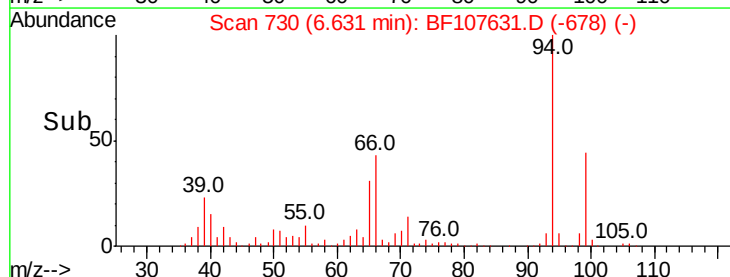
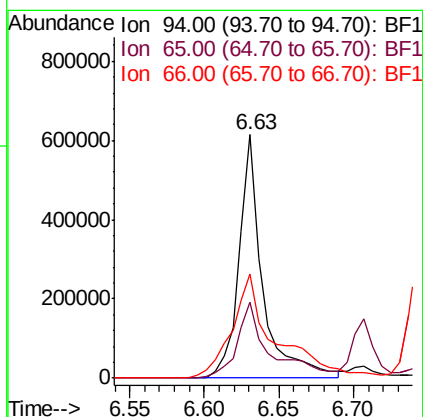
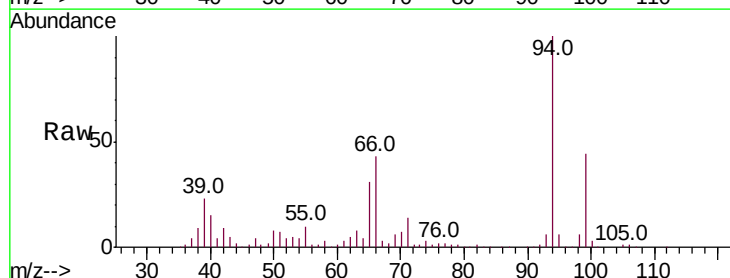
Tgt Ion: 94 Resp: 681875

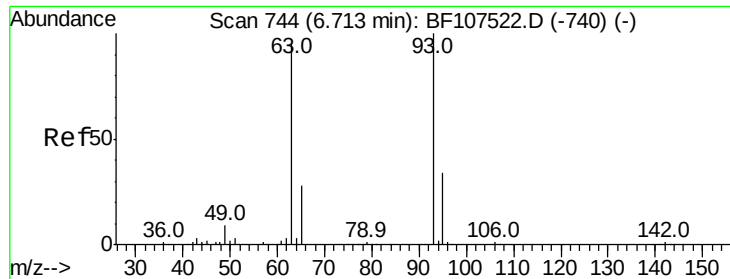
Ion Ratio Lower Upper

94 100

65 31.0 7.9 47.9

66 42.7 16.2 56.2





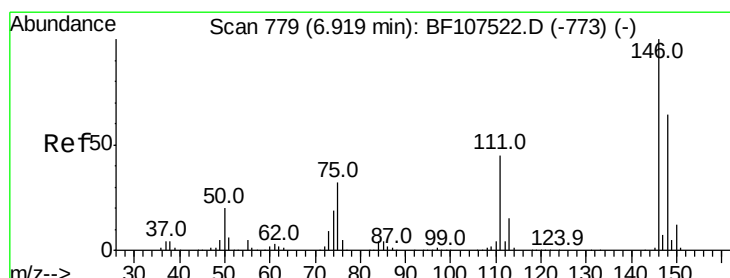
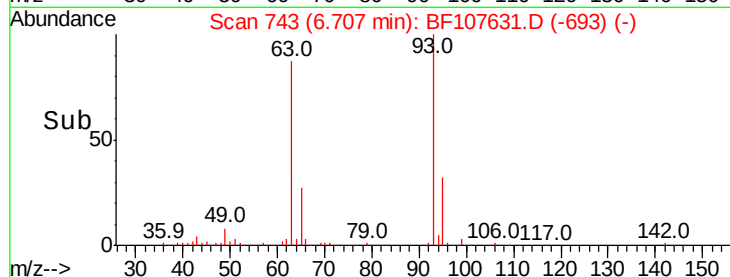
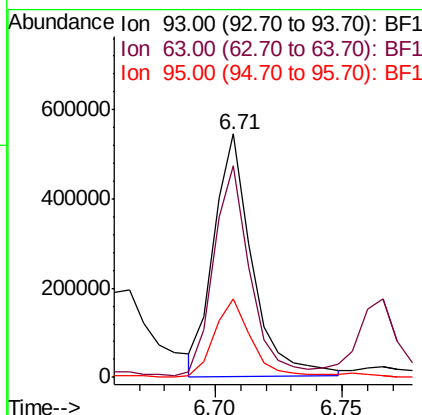
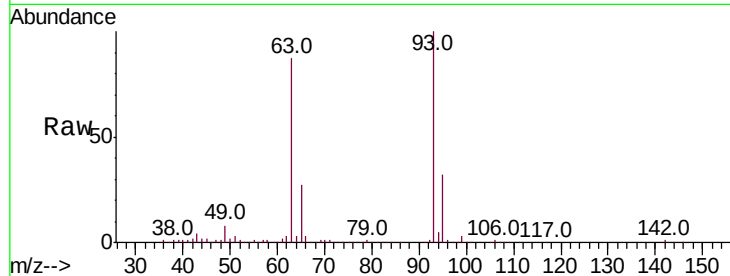
#11
bis(2-Chloroethyl)ether
Concen: 30.429 ng
RT: 6.71 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	87.1	58.6	98.6
95	32.1	11.8	51.8

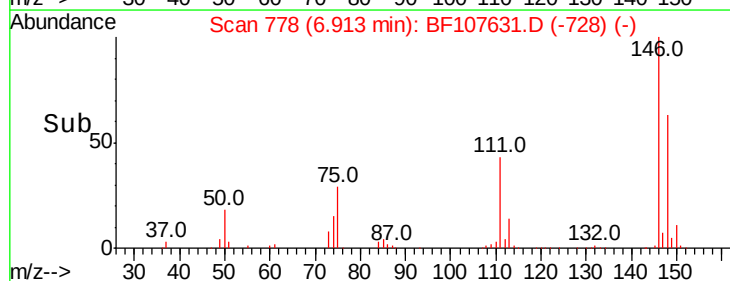
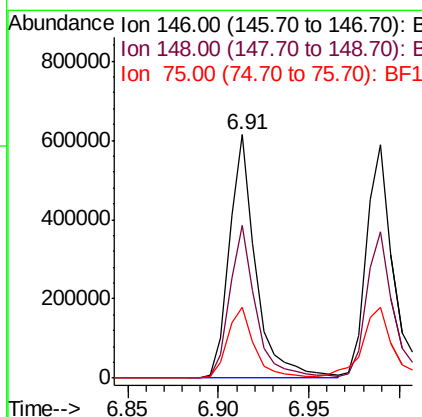
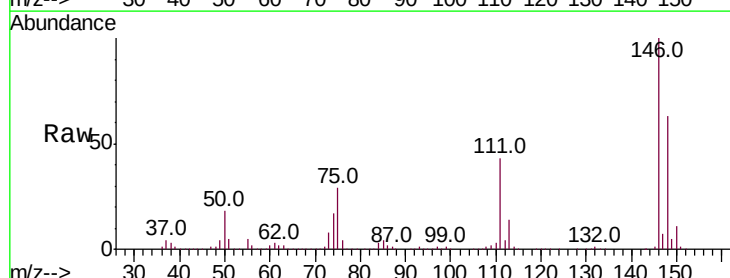
Manual Integrations
APPROVED

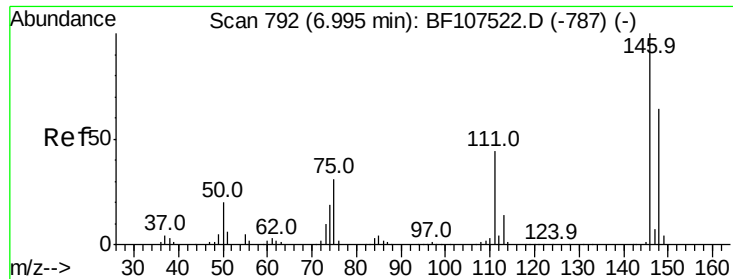
Sohil
7/25/2018 12:58:36 PM



#12
1,3-Dichlorobenzene
Concen: 32.022 ng
RT: 6.91 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.5	51.8	77.8
75	29.3	24.2	36.4





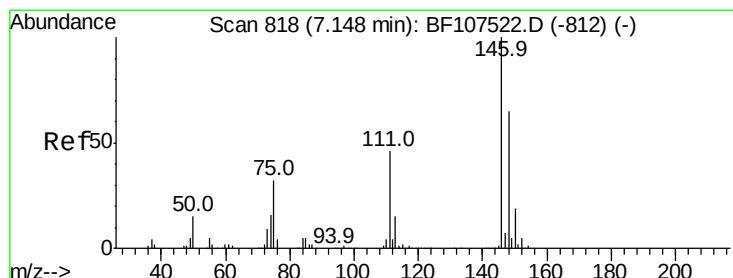
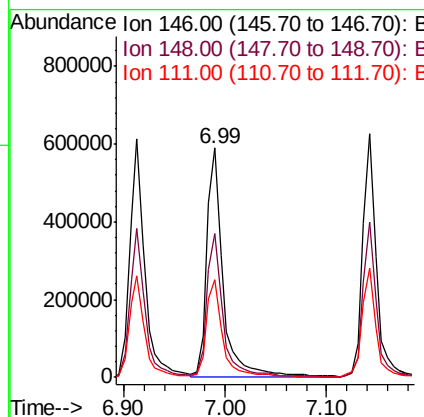
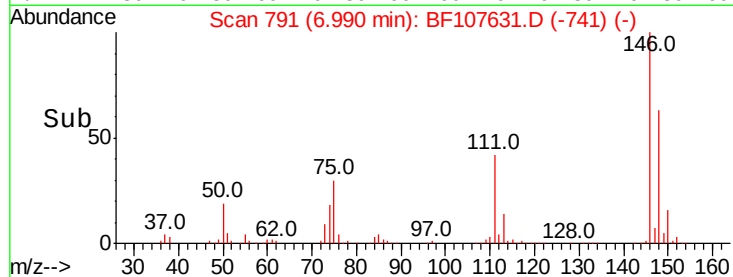
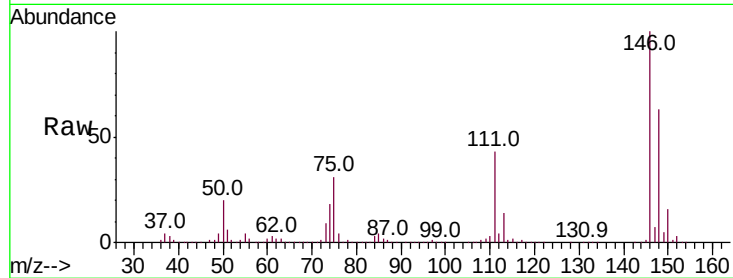
#13
 1,4-Dichlorobenzene
 Concen: 32.446 ng
 RT: 6.99 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.8	76.2
111	42.5	34.2	51.2

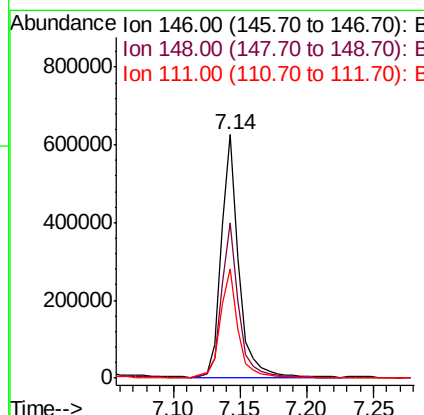
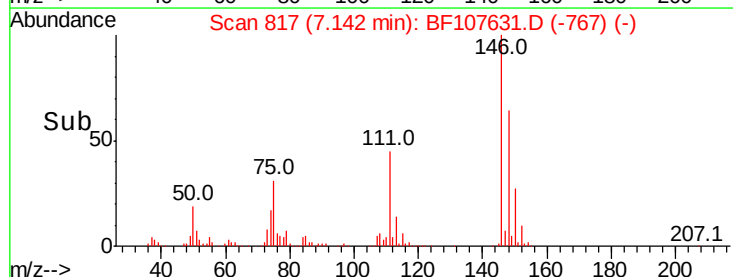
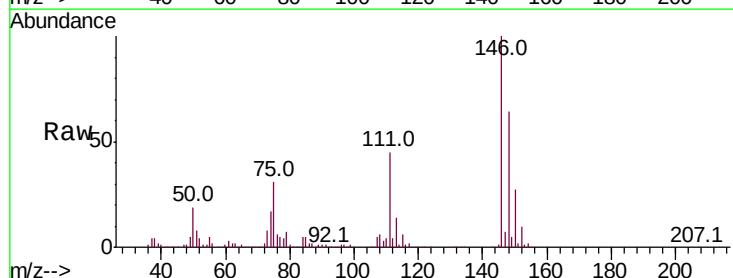
Manual Integrations
 APPROVED

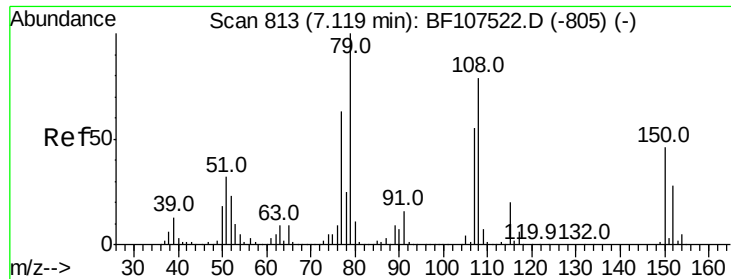
Sohil
 7/25/2018 12:58:36 PM



#14
 1,2-Dichlorobenzene
 Concen: 32.042 ng
 RT: 7.14 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	75.8
111	45.0	36.0	54.0





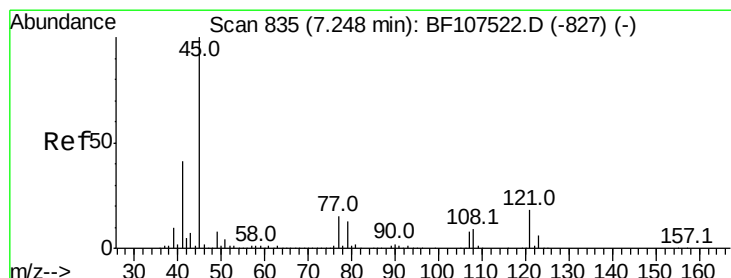
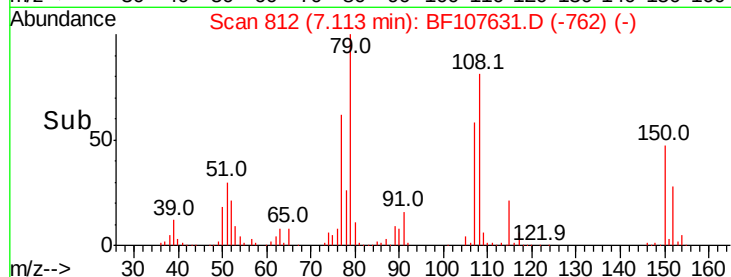
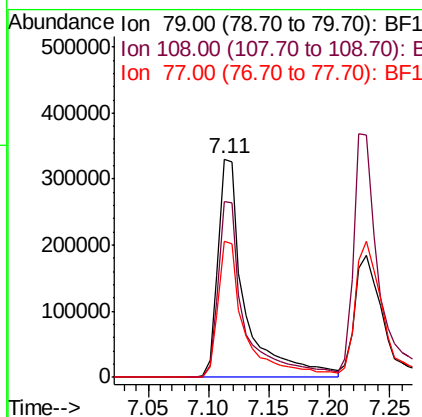
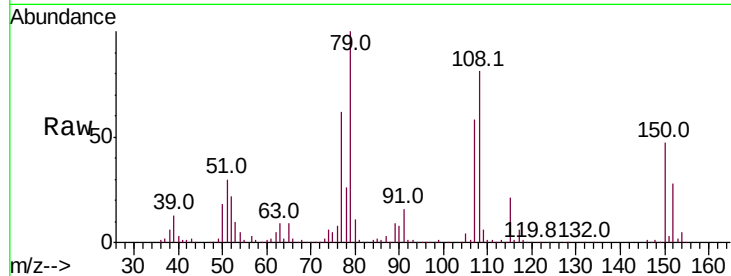
#15
Benzyl Alcohol
Concen: 38.168 ng
RT: 7.11 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tot Ion	Ratio	Lower	Upper
79	100		
108	80.7	65.1	97.7
77	62.4	50.6	75.8

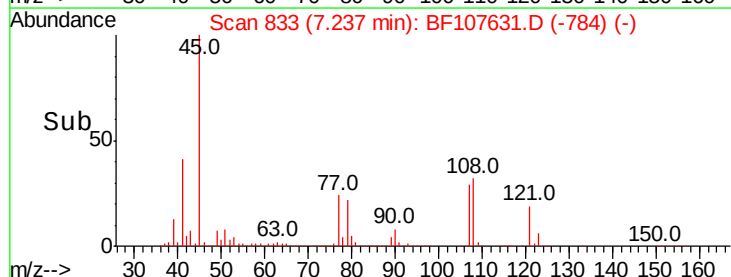
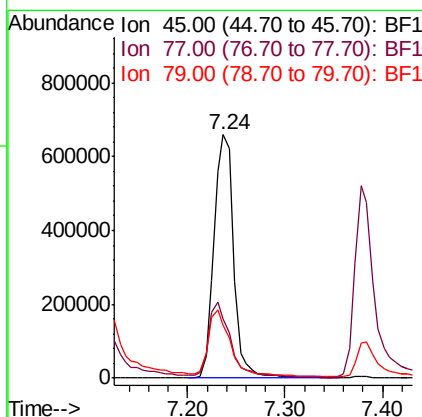
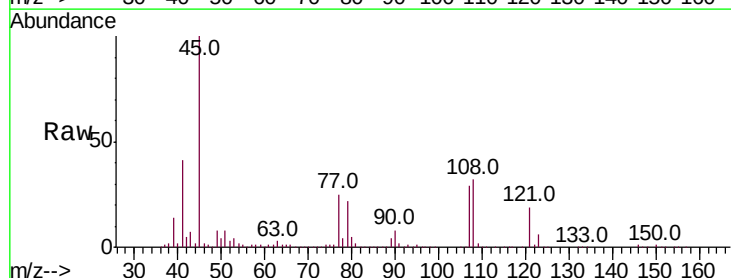
Manual Integrations
APPROVED

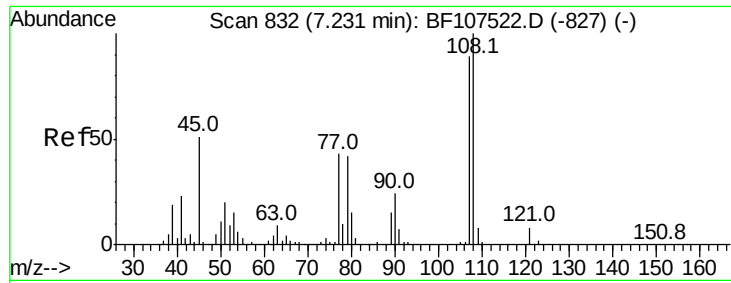
Sohil
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 29.158 ng
RT: 7.24 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
45	100		
77	24.6	0.0	32.9
79	21.6	0.0	29.6





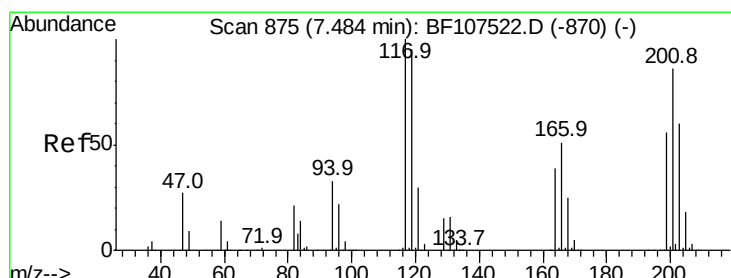
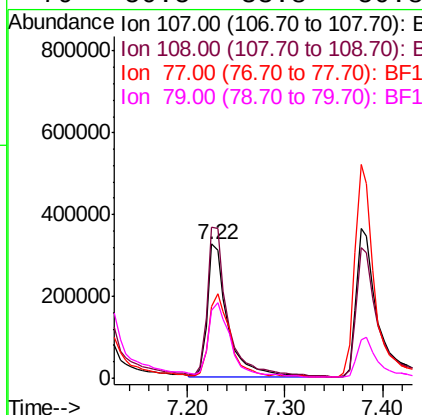
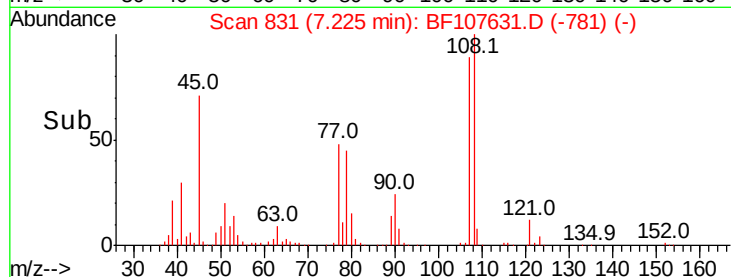
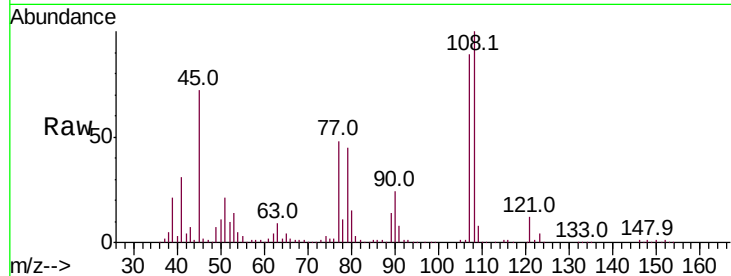
#17
2-Methylphenol
Concen: 32.453 ng
RT: 7.22 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.4	91.7	137.5	
77	53.9	33.8	50.8#	
79	50.5	33.8	50.8	

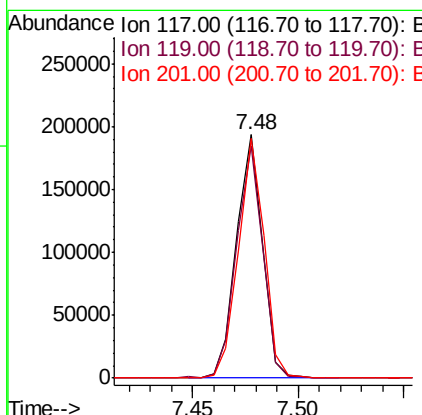
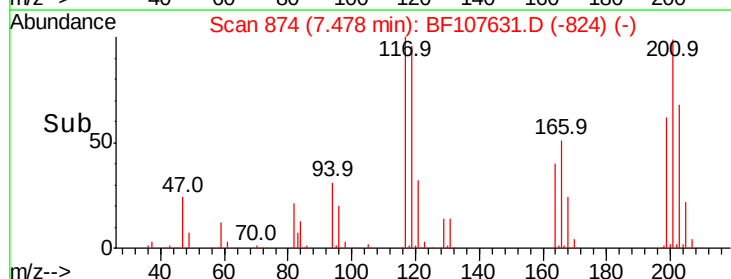
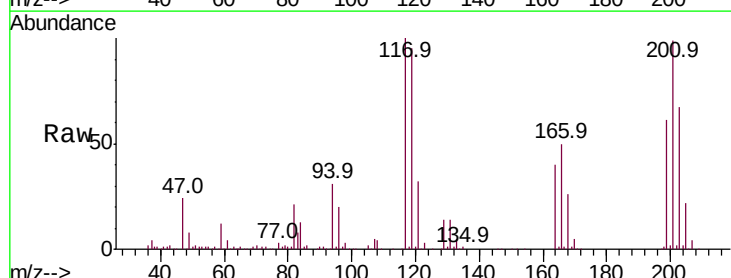
Manual Integrations
APPROVED

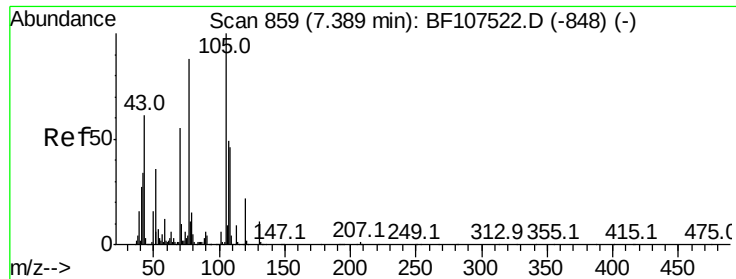
Sohil
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#18
Hexachloroethane
Concen: 23.431 ng
RT: 7.48 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.5	75.8	113.8	
201	98.6	75.7	113.5	





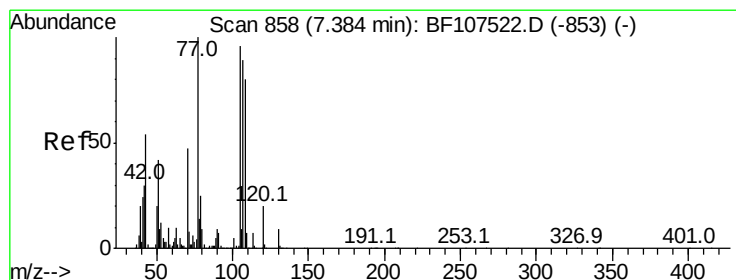
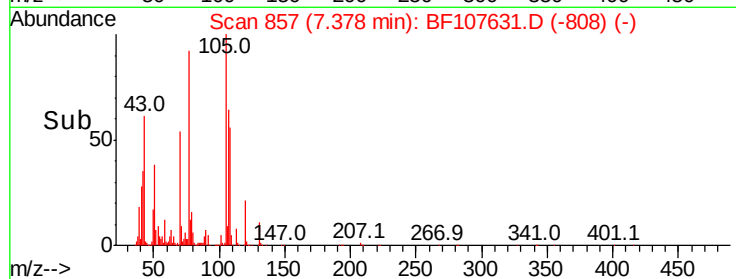
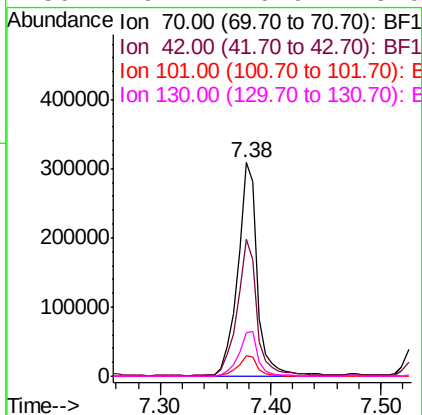
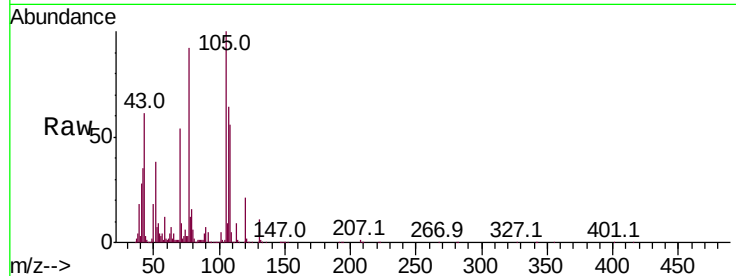
#19
n-Nitroso-di-n-propylamine
Concen: 31.079 ng
RT: 7.38 min Scan# 857
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	63.9	47.5	71.3
101	9.7	7.4	11.2
130	20.4	16.6	25.0

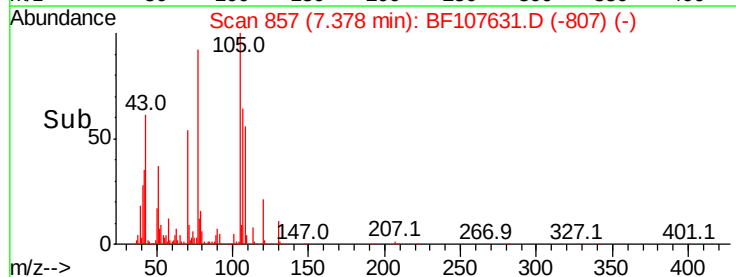
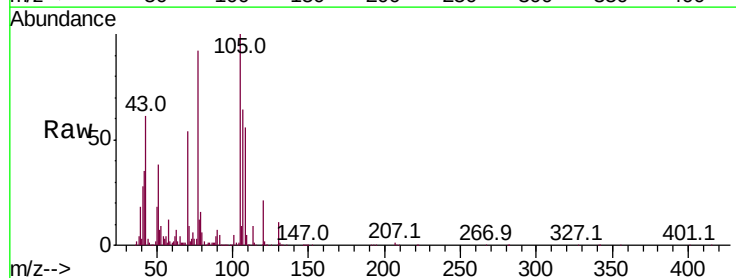
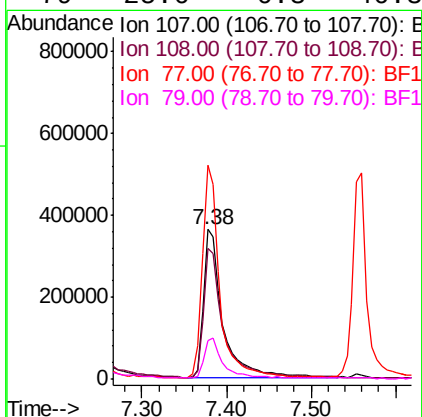
Manual Integrations
APPROVED

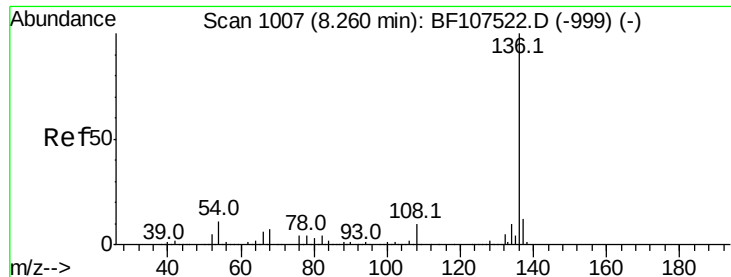
Sohil
7/25/2018 12:58:36 PM



#20
3+4-Methylphenols
Concen: 32.860 ng
RT: 7.38 min Scan# 857
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.5	68.2	108.2
77	143.0	26.7	66.7#
79	25.6	6.3	46.3





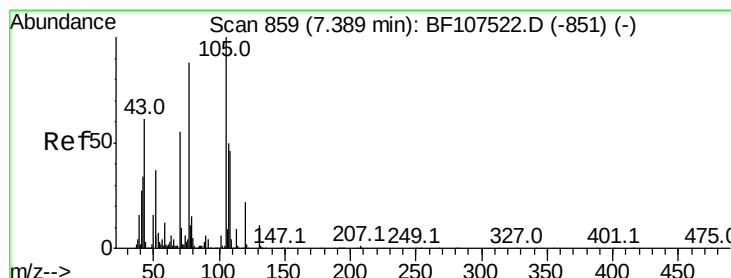
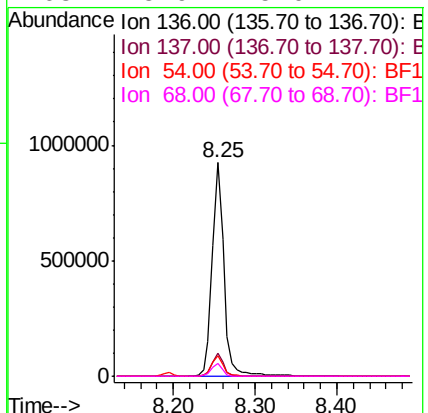
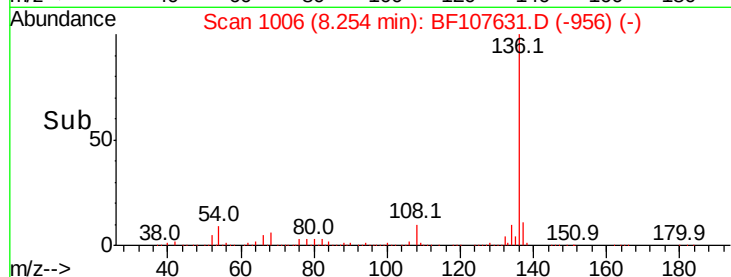
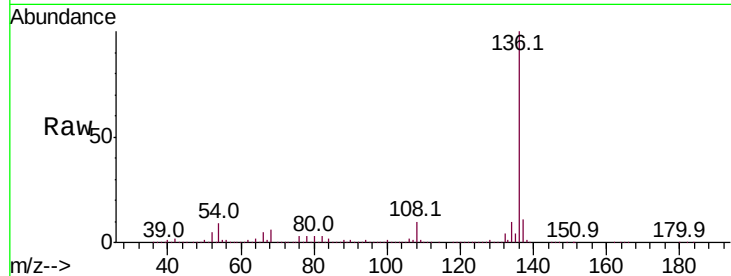
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	929214		
137	11.0		8.9	13.3
54	9.5		6.6	9.8
68	5.9		5.0	7.4

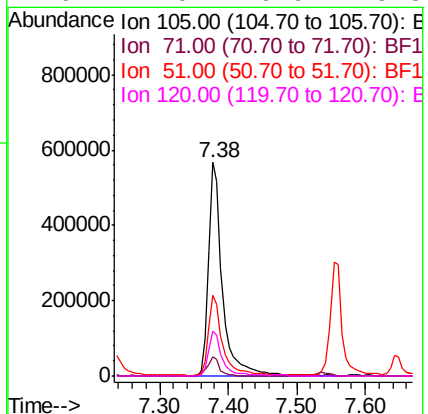
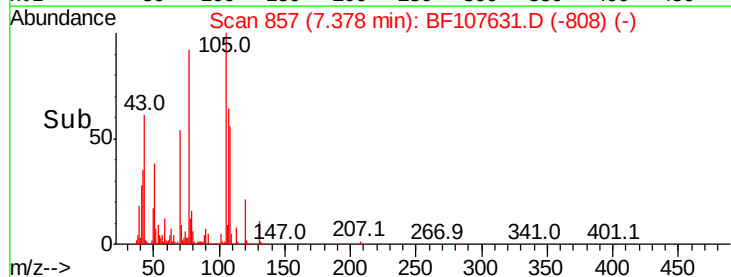
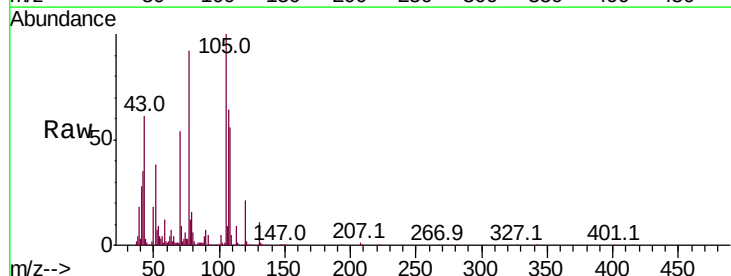
Manual Integrations
APPROVED

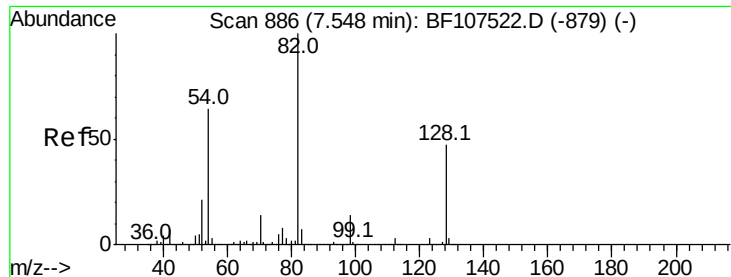
Sohil
7/25/2018 12:58:36 PM



#22
Acetophenone
Concen: 37.190 ng
RT: 7.38 min Scan# 857
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	811592		
71	9.0		4.4	6.6#
51	37.7		22.3	33.5#
120	21.0		16.9	25.3





#23

Nitrobenzene-d5

Concen: 94.566 ng

RT: 7.54 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampled :

GL-TOPSOIL-03MS

Tot Ion: 82 Resp: 1302047

Ion Ratio Lower Upper

82 100

128 47.2 36.1 54.1

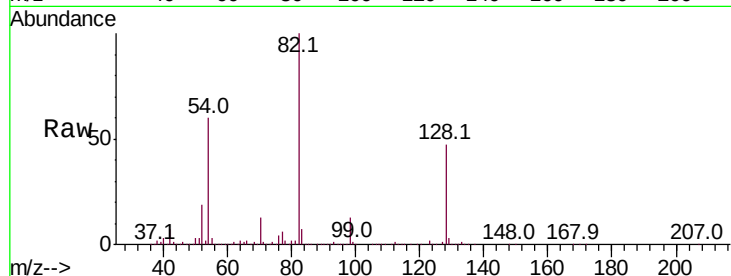
54 59.9 41.4 62.2

Manual Integrations

APPROVED

Sohil

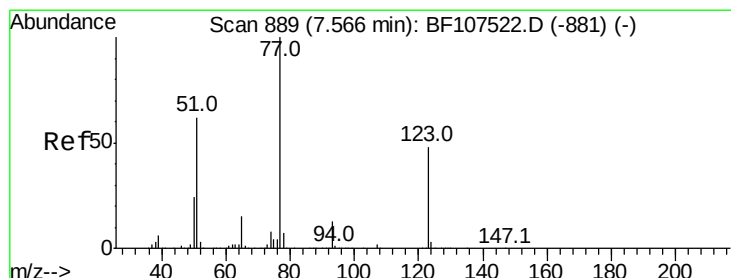
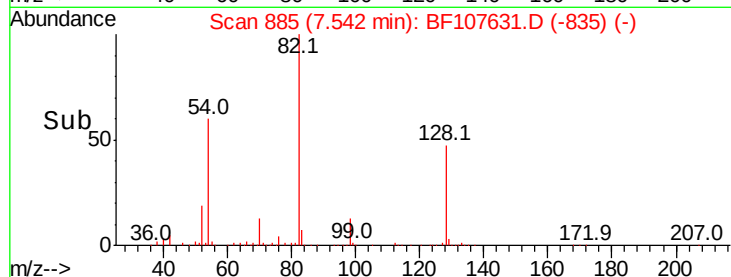
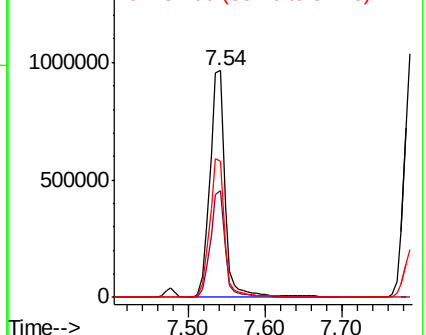
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Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 36.861 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

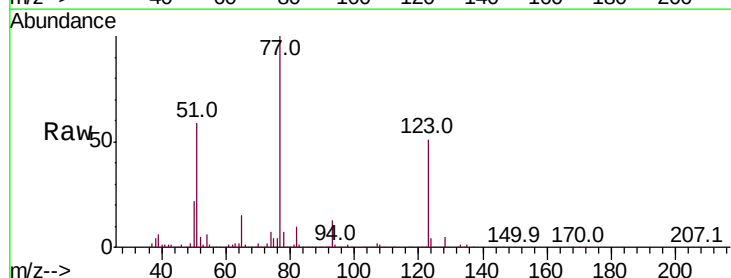
Tgt Ion: 77 Resp: 581308

Ion Ratio Lower Upper

77 100

123 51.5 37.9 56.9

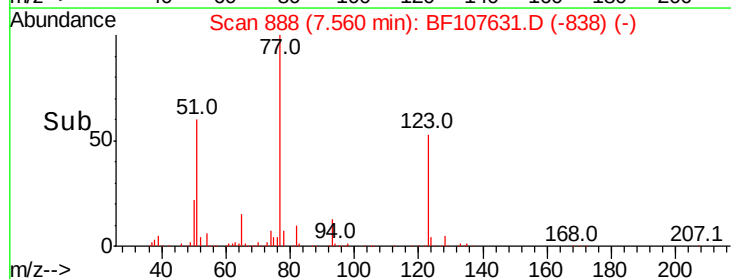
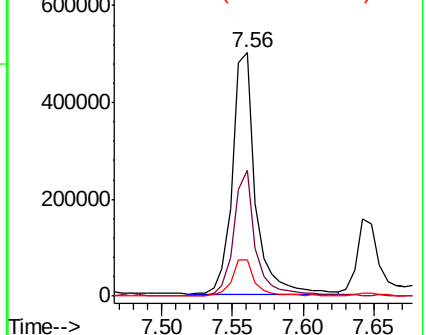
65 14.9 11.0 16.4

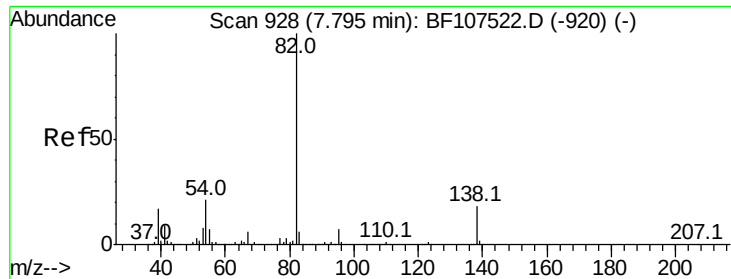


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 35.492 ng

RT: 7.79 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

Tot Ion: 82 Resp: 1043420

Ion Ratio Lower Upper

82 100

95 7.4 5.2 7.8

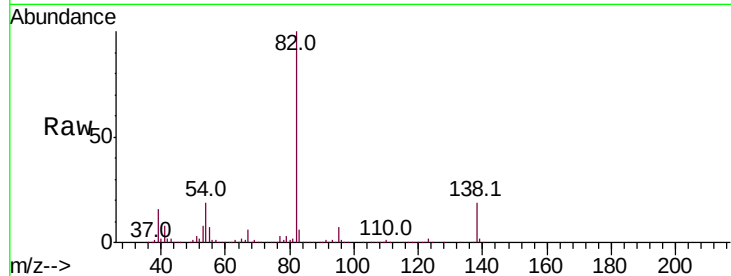
138 19.3 14.9 22.3

Manual Integrations

APPROVED

Sohil

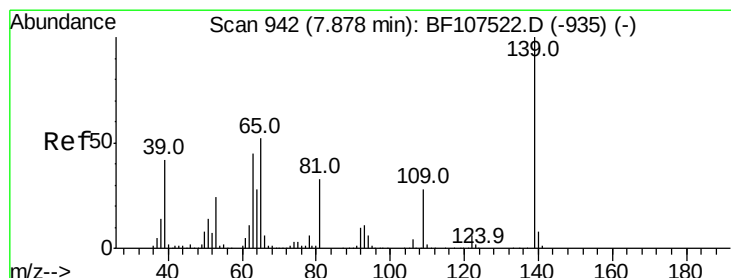
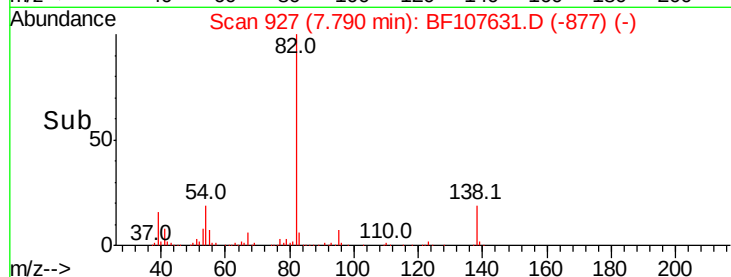
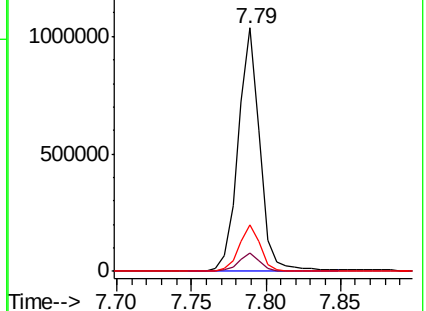
7/25/2018 12:58:36 PM



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 40.895 ng

RT: 7.87 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

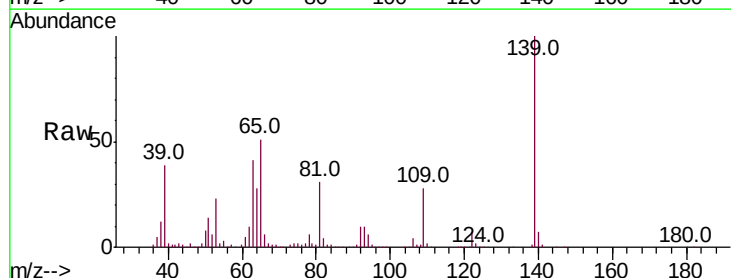
Tgt Ion: 139 Resp: 272345

Ion Ratio Lower Upper

139 100

109 28.0 22.7 34.1

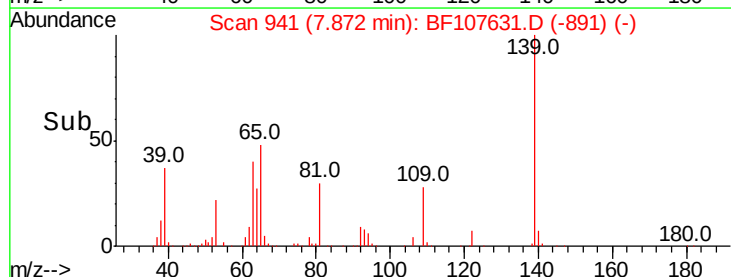
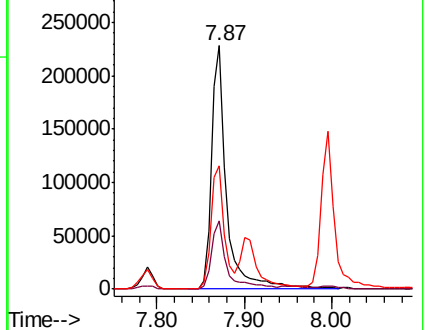
65 50.7 40.5 60.7

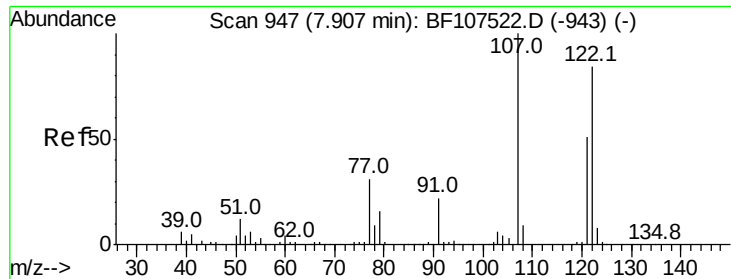


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





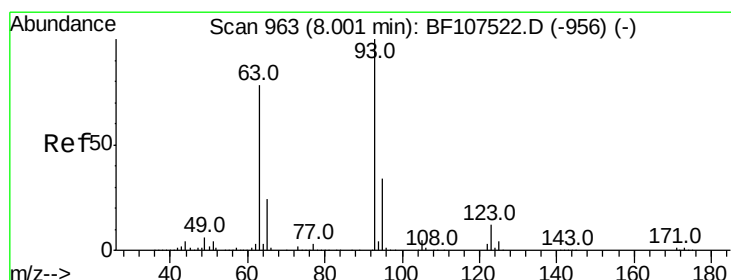
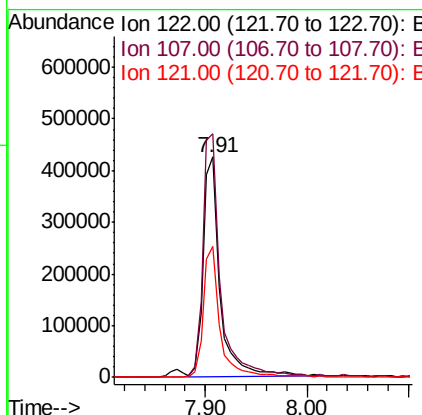
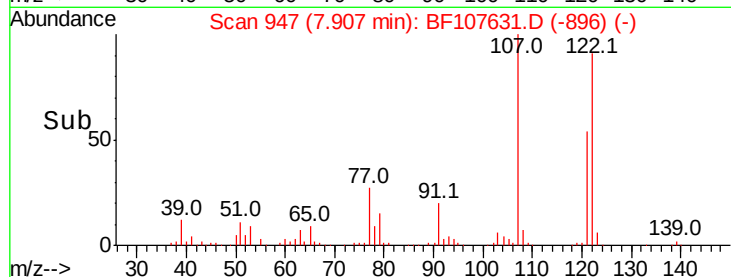
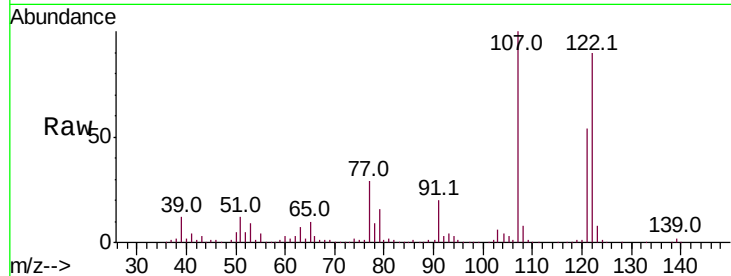
#27
 2,4-Dimethylphenol
 Concen: 39.049 ng
 RT: 7.91 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MS

Tot Ion:	122	Resp:	492247
Ion Ratio	Lower	Upper	
122	100		
107	110.6	91.2	136.8
121	59.3	47.2	70.8

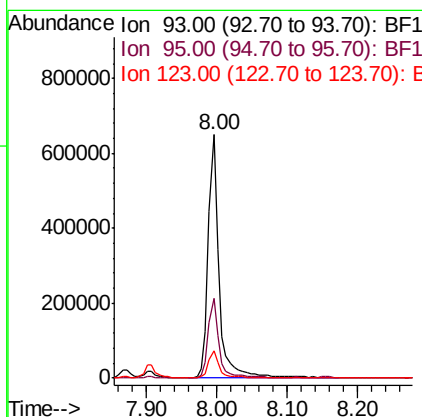
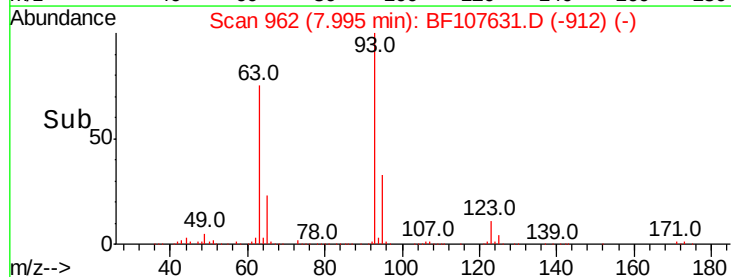
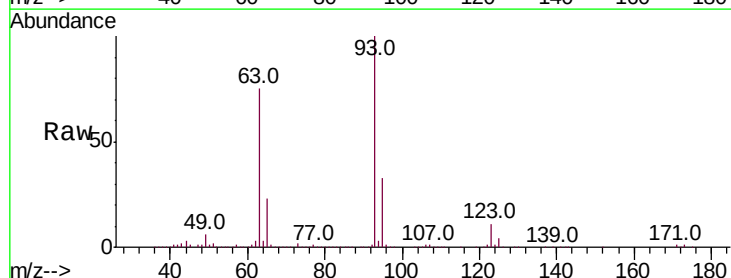
Manual Integrations
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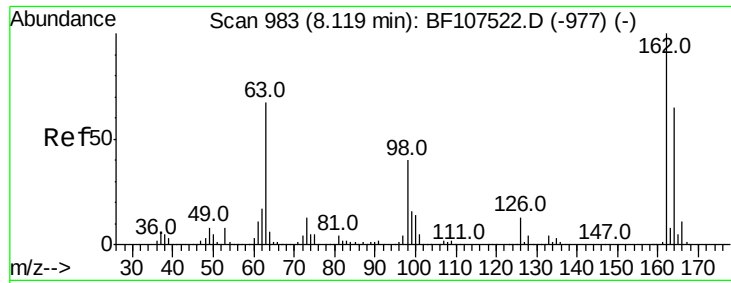
Sohil
 7/25/2018 12:58:36 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 34.946 ng
 RT: 8.00 min Scan# 962
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Tgt Ion:	93	Resp:	686583
Ion Ratio	Lower	Upper	
93	100		
95	32.7	26.3	39.5
123	11.3	9.8	14.6





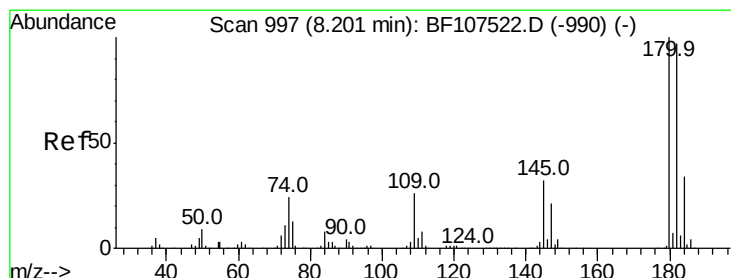
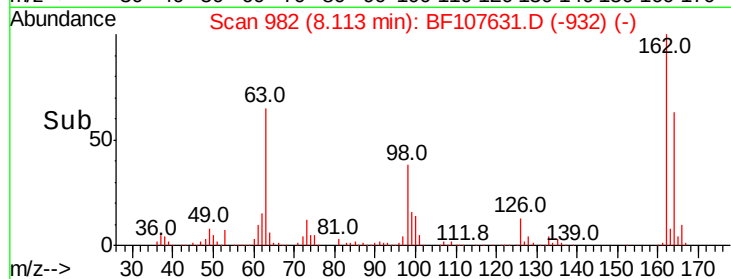
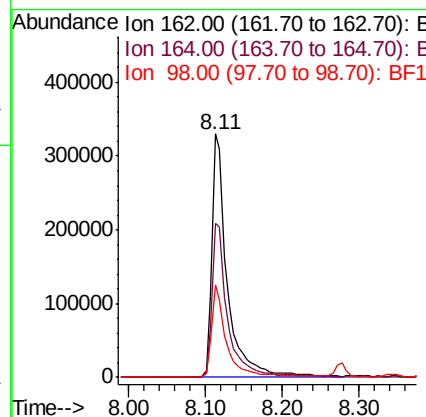
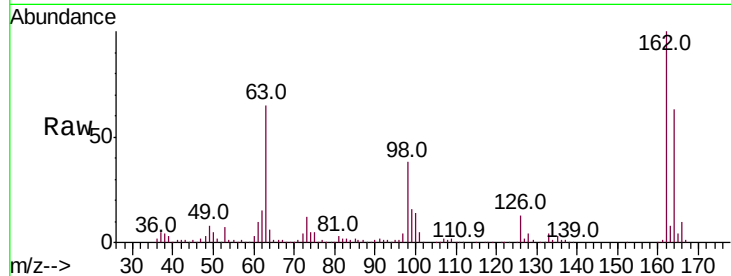
#29
 2,4-Dichlorophenol
 Concen: 35.577 ng
 RT: 8.11 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	458391		
164	63.3	42.7	82.7	
98	38.1	18.1	58.1	

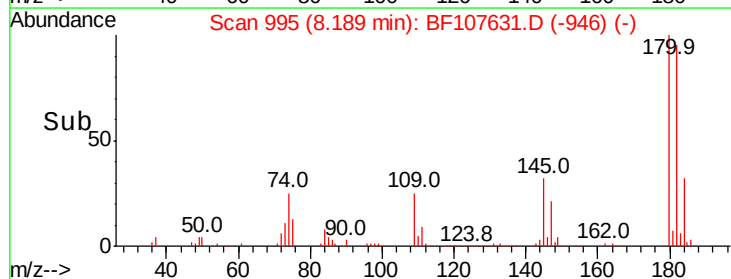
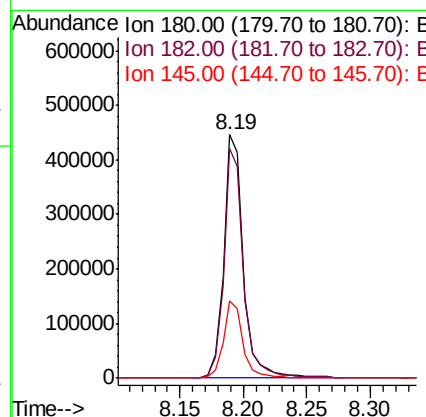
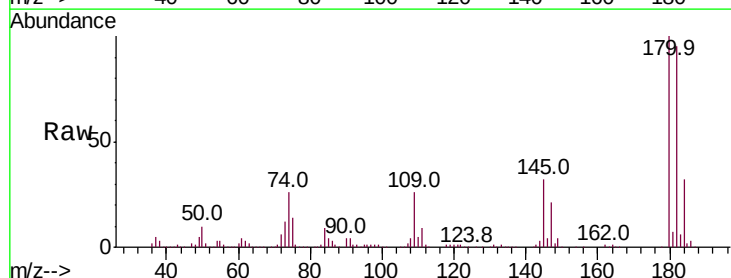
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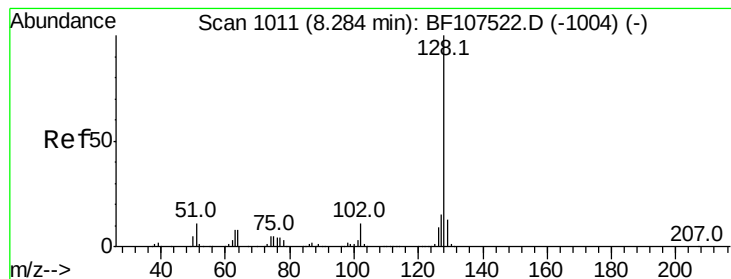
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#30
 1,2,4-Trichlorobenzene
 Concen: 33.334 ng
 RT: 8.19 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	482398		
182	94.5	76.8	115.2	
145	31.5	26.5	39.7	





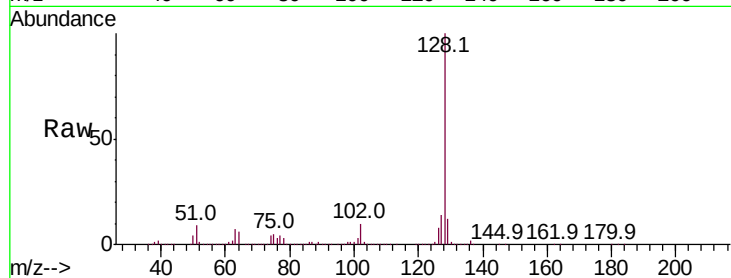
#31
Naphthalene
Concen: 37.654 ng
RT: 8.28 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.8	13.2
127	13.9	10.9	16.3

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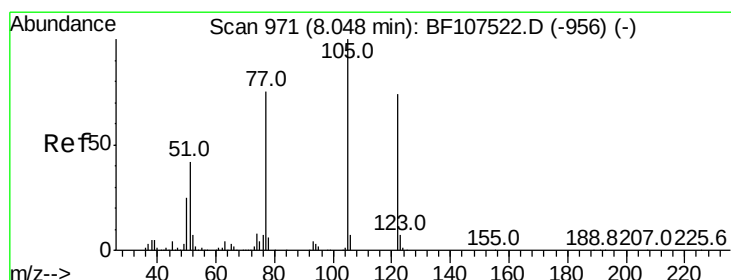
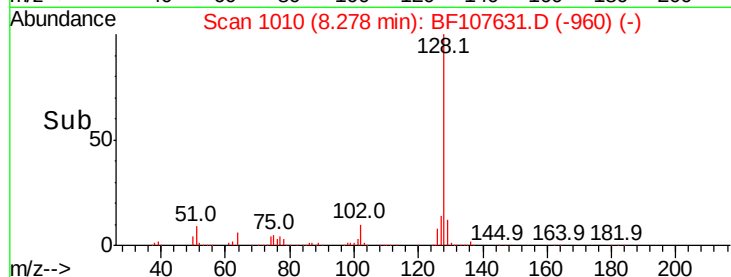
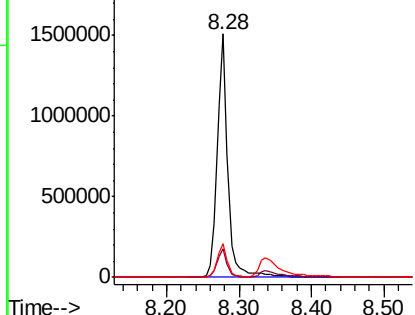


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 9.177 ng m
RT: 8.04 min Scan# 970
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

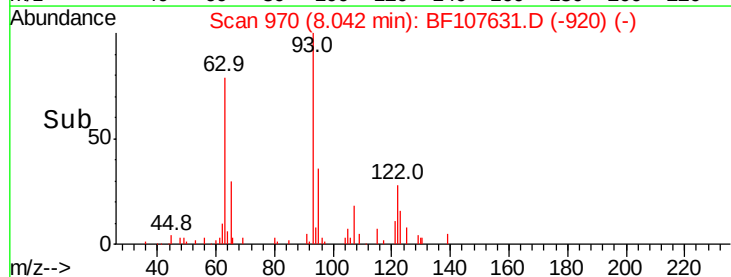
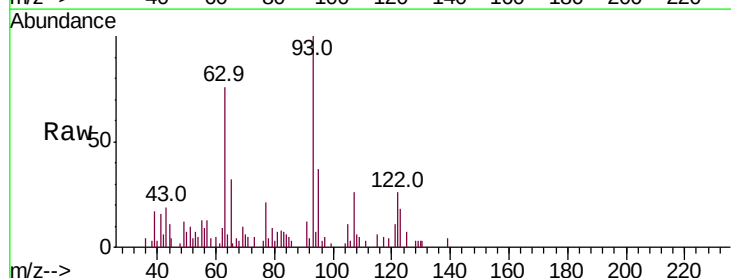
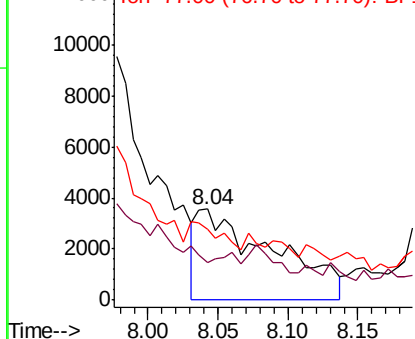
Tgt Ion	Ratio	Lower	Upper
122	100		
105	41.4	101.1	141.1#
77	78.1	70.7	110.7

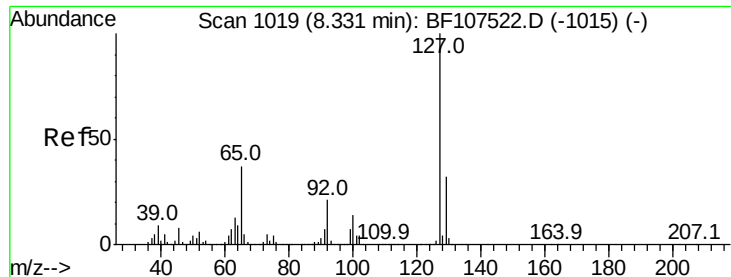
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





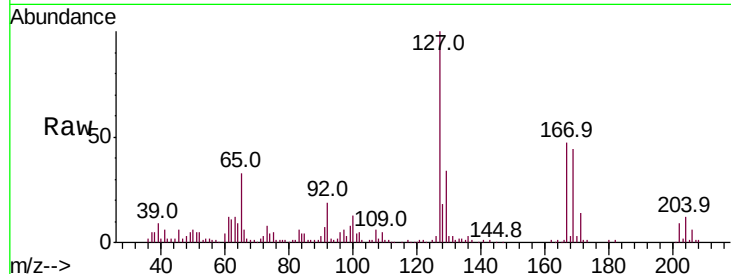
#33
4-Chloroaniline
Concen: 15.578 ng
RT: 8.34 min Scan# 1020
Delta R.T. 0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	34.4	25.9	38.9	
65	33.3	25.0	37.4	
92	18.9	15.2	22.8	

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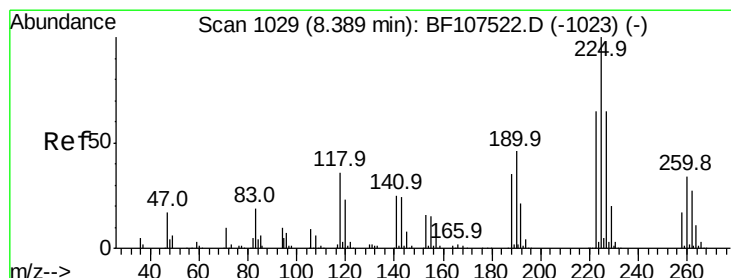
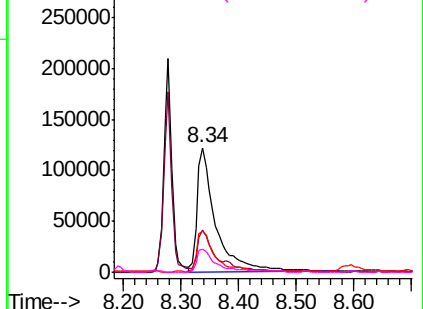
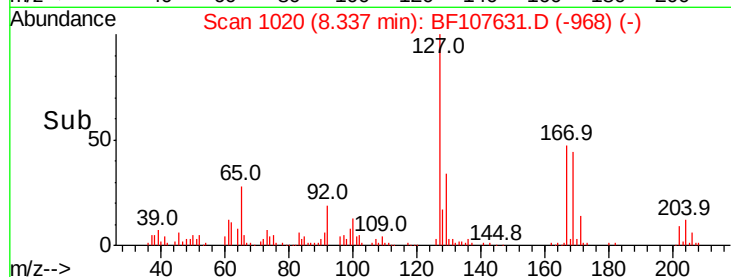
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

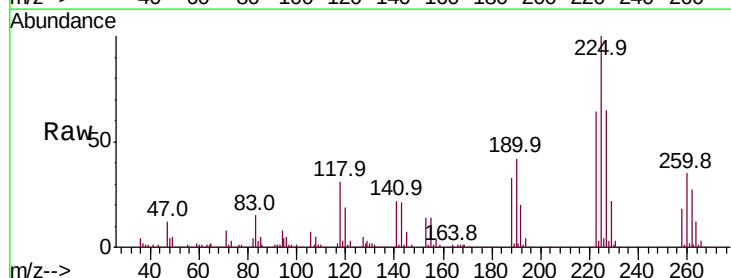
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 32.421 ng
RT: 8.38 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.6	50.6	76.0	
227	65.3	51.9	77.9	

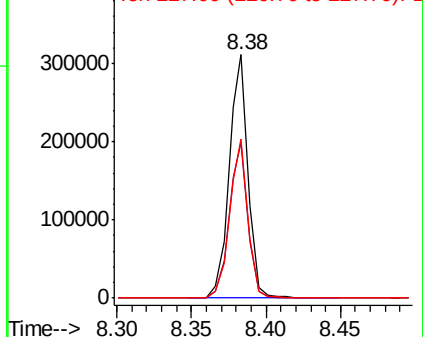
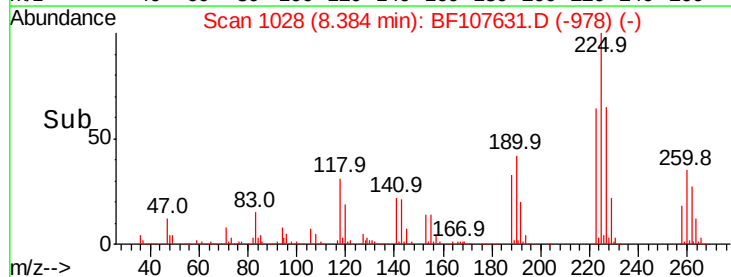


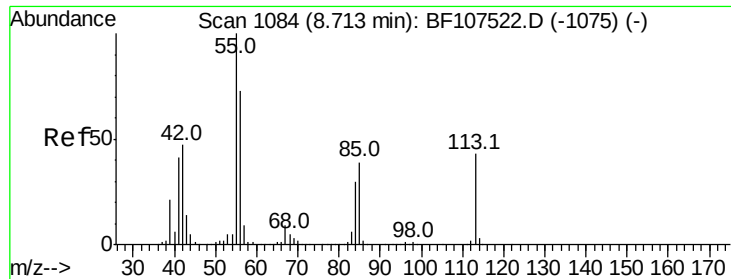
Abundance

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





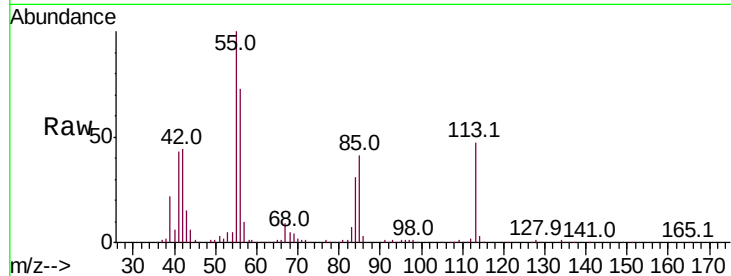
#35
Caprolactam
Concen: 31.019 ng
RT: 8.70 min Scan# 1081
Delta R.T. -0.02 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

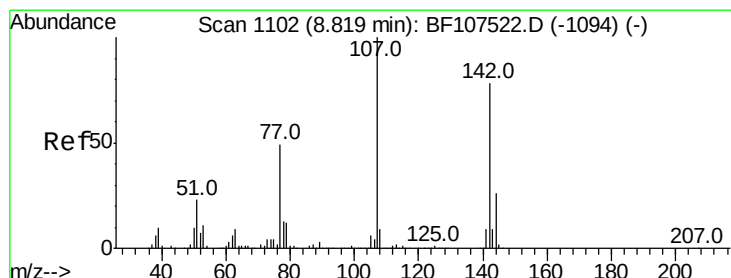
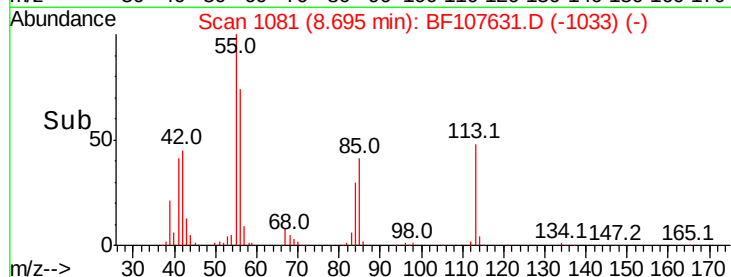
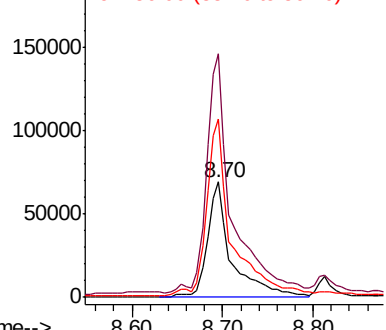
Tot Ion:113 Resp: 129997
Ion Ratio Lower Upper
113 100
55 210.7 163.3 203.3#
56 154.6 115.7 155.7

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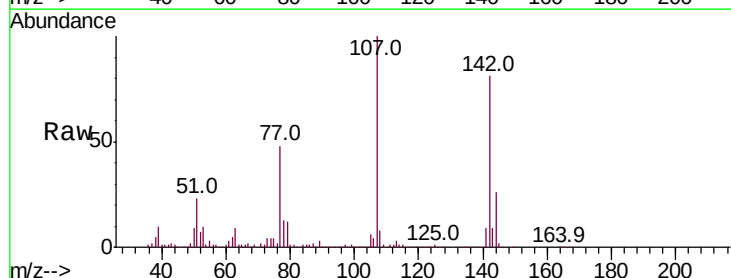


Abundance Ion 113.00 (112.70 to 113.70): E
200000
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

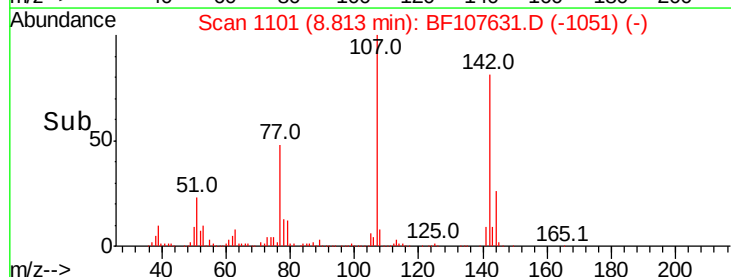
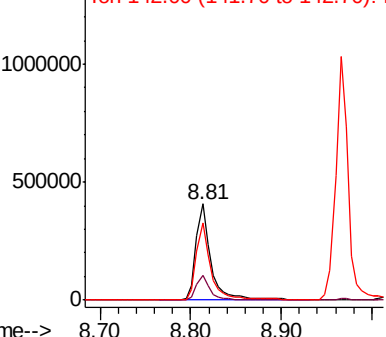


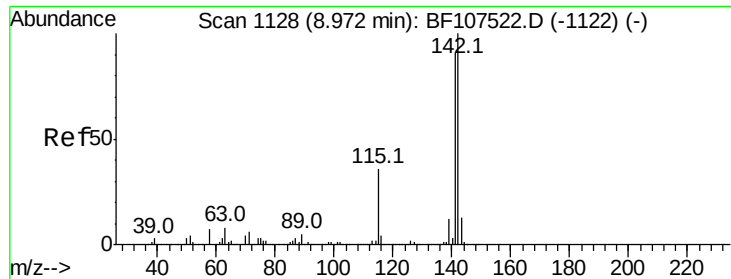
#36
4-Chloro-3-methylphenol
Concen: 31.841 ng
RT: 8.81 min Scan# 1101
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion:107 Resp: 455726
Ion Ratio Lower Upper
107 100
144 26.0 20.5 30.7
142 80.5 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





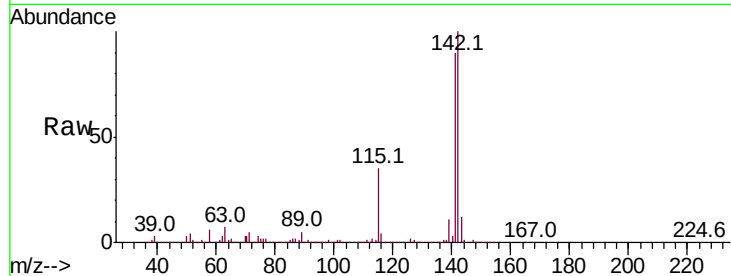
#37
2-Methylnaphthalene
Concen: 35.255 ng
RT: 8.97 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.8	106.2
115	34.6	26.1	39.1

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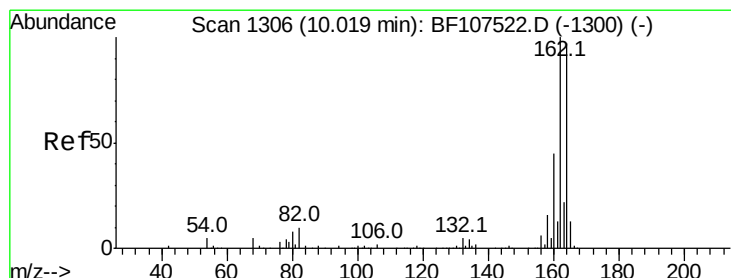
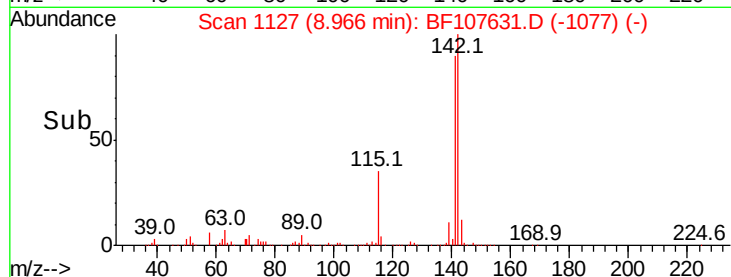
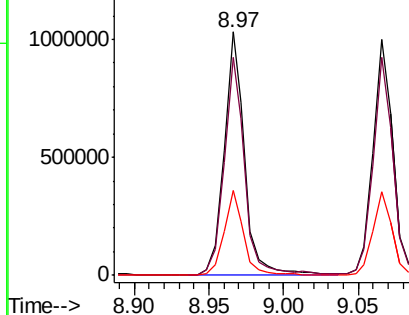


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

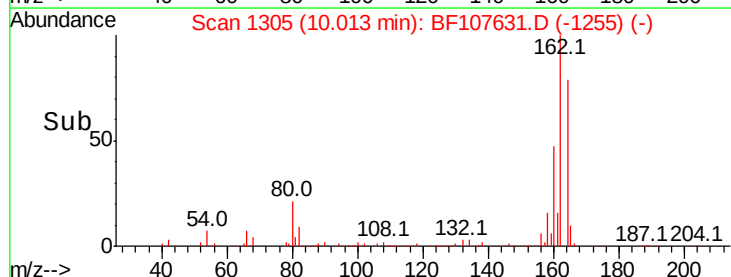
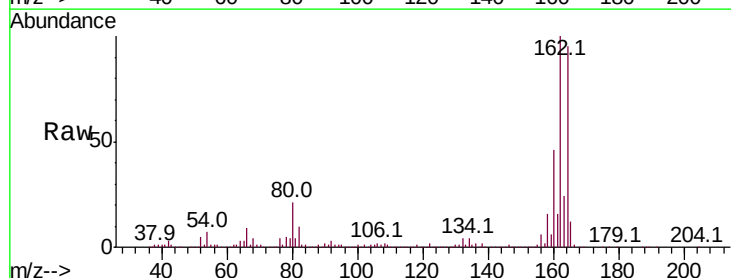
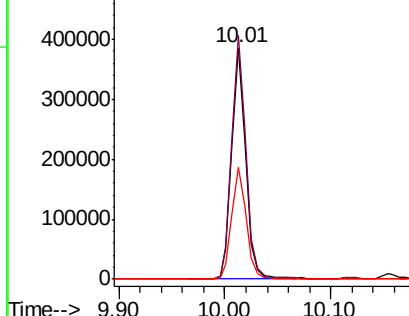
Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	86.1	129.1
160	48.5	38.3	57.5

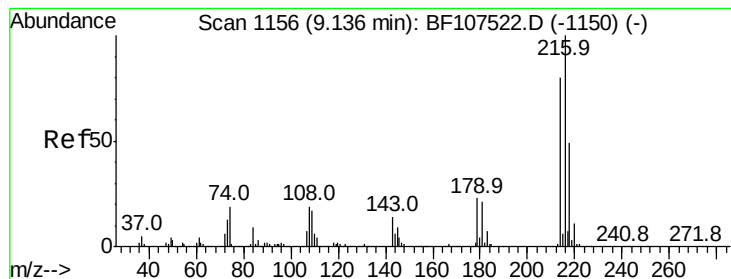
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.811 ng

RT: 9.13 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

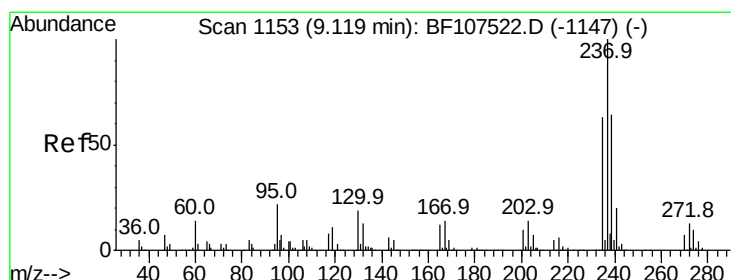
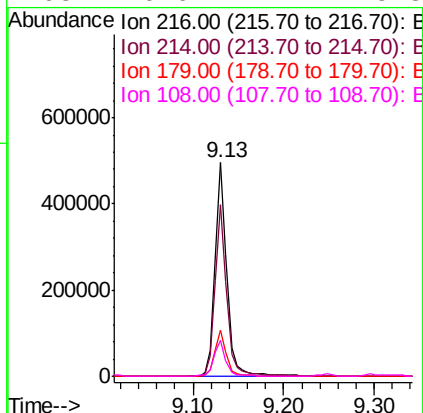
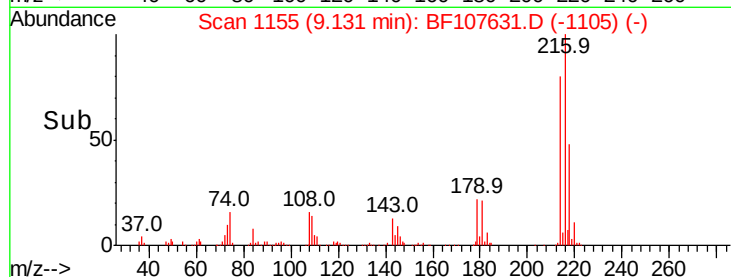
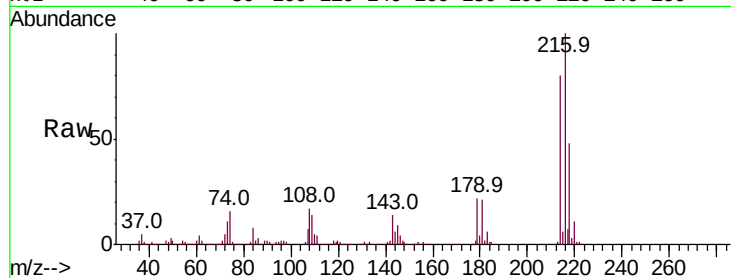
ClientSampleId :

GL-TOPSOIL-03MS

Tot Ion	Ratio	Resp	Lower	Upper
216	100	454135		
214	79.6	63.0	94.4	
179	21.0	18.1	27.1	
108	16.6	17.2	25.8	

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#40

Hexachlorocyclopentadiene

Concen: 4.503 ng

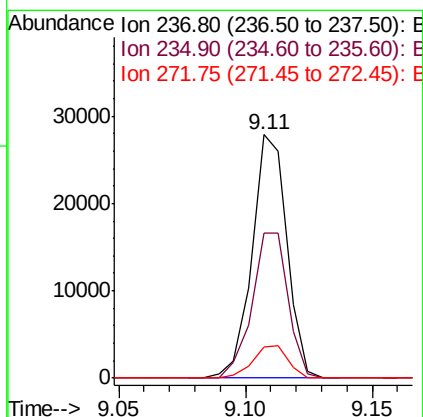
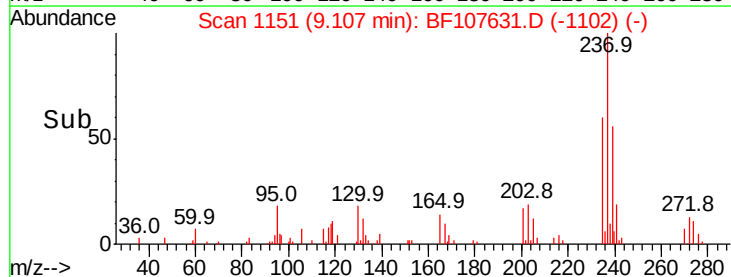
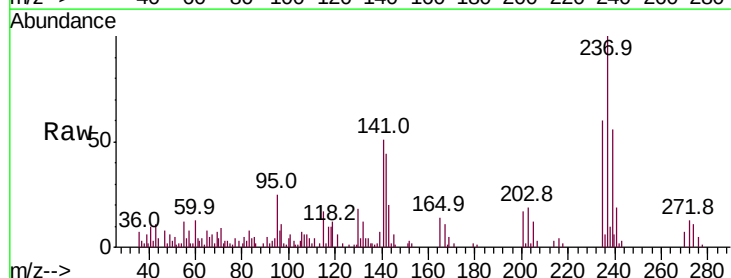
RT: 9.11 min Scan# 1151

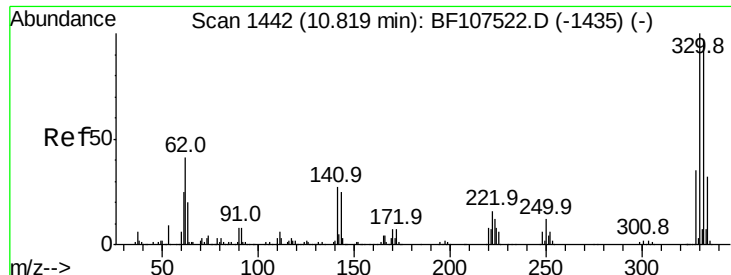
Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	26787		
235	59.8	44.8	84.8	
272	12.9	0.0	33.3	





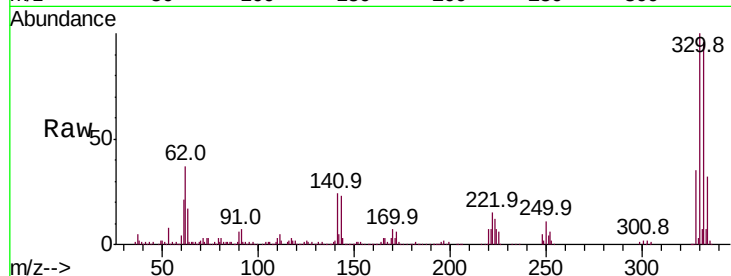
#41
 2,4,6-Tribromophenol
 Concen: 119.212 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	475581		
332	95.0	77.0	115.6	
141	27.4	29.9	44.9#	

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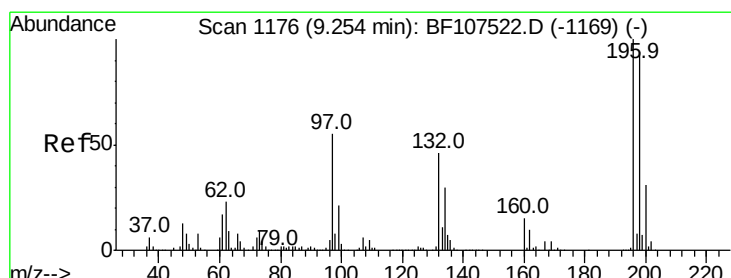
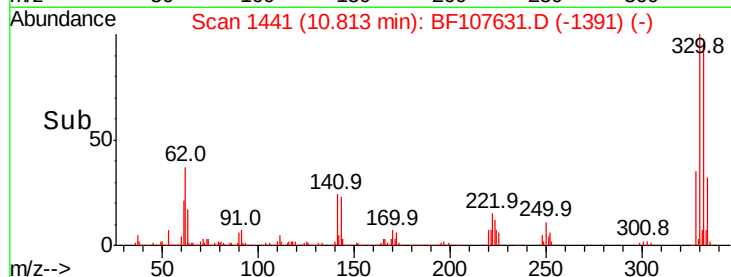
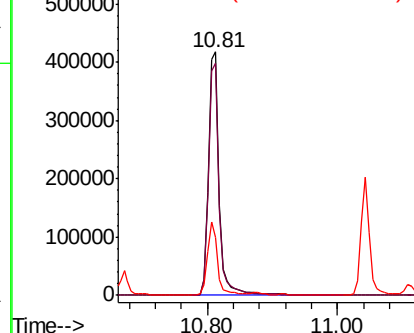


Abundance

Ion 329.80 (329.50 to 330.50): E

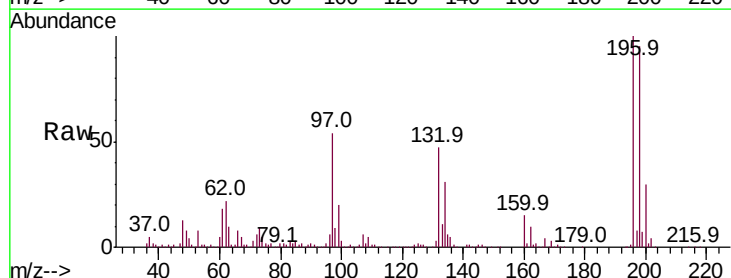
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42
 2,4,6-Trichlorophenol
 Concen: 37.784 ng
 RT: 9.25 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	282992		
198	94.8	75.7	113.5	
200	30.3	24.5	36.7	

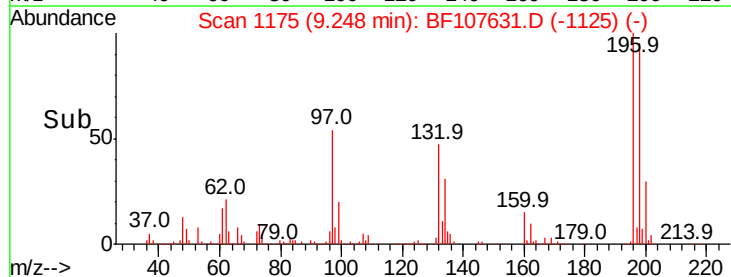
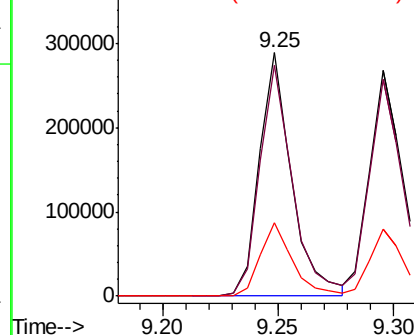


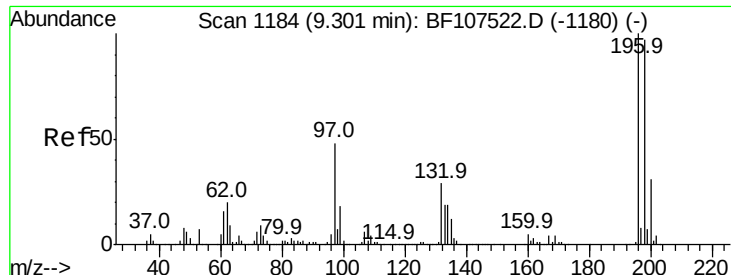
Abundance

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





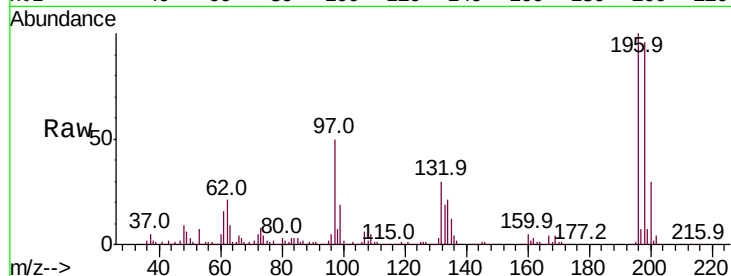
#43
2,4,5-Trichlorophenol
Concen: 38.358 ng
RT: 9.30 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	300263		
198	96.3		74.6	112.0
97	49.7		42.9	64.3
132	30.0		26.3	39.5

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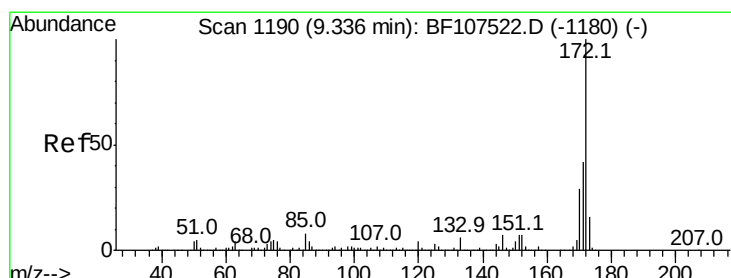
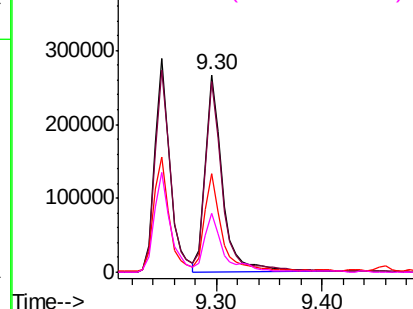
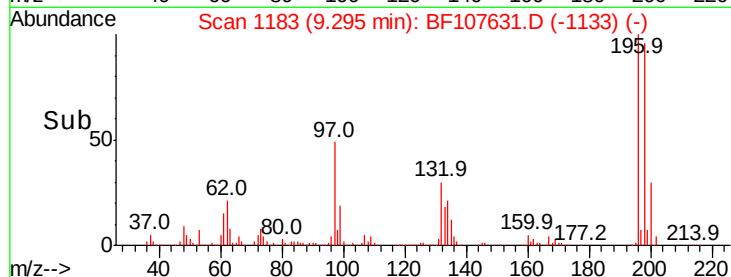
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

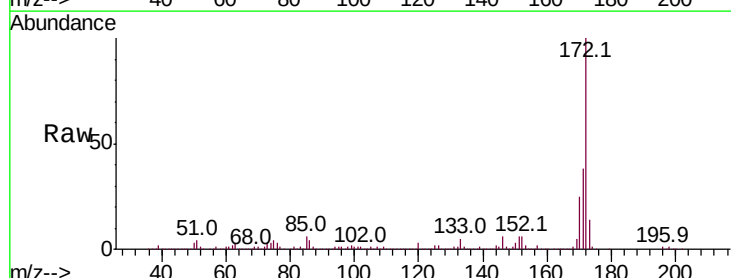
Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#44
2-Fluorobiphenyl
Concen: 99.206 ng
RT: 9.33 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1942428		
171	38.0		29.7	44.5
170	25.4		19.6	29.4

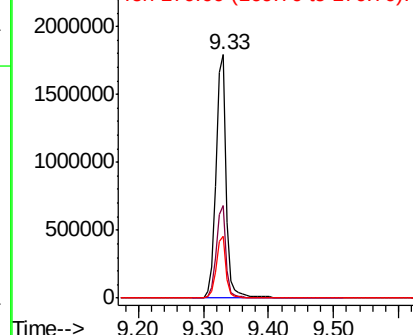
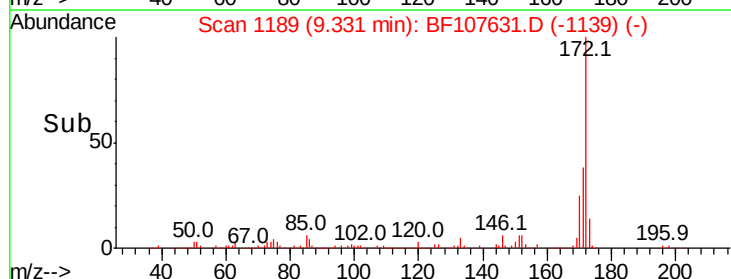


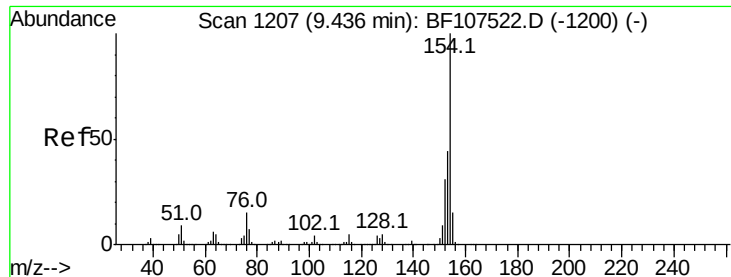
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 37.995 ng

RT: 9.43 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

Tot Ion:154 Resp: 1161156

Ion Ratio Lower Upper

154 100

153 41.3 21.3 61.3

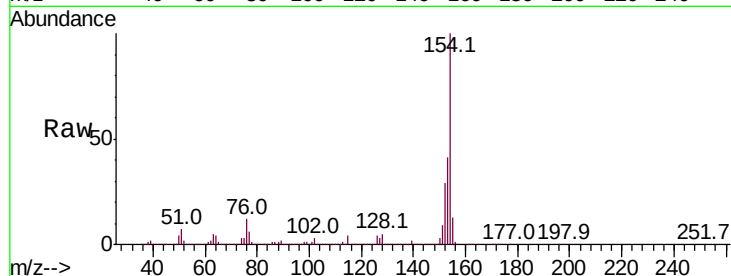
76 12.5 0.0 34.0

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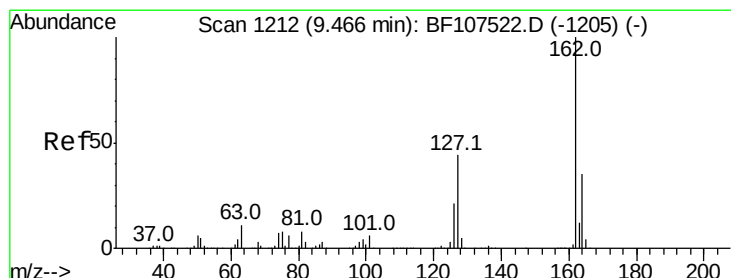
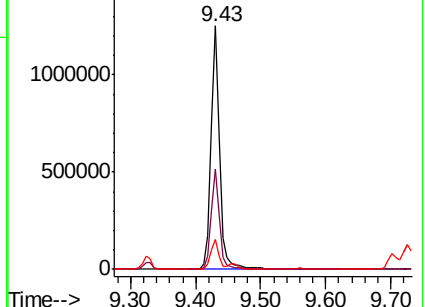
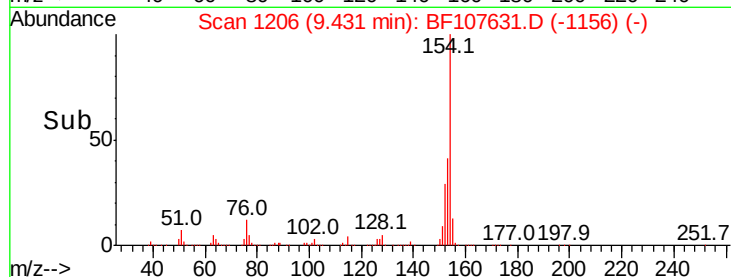
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 36.601 ng

RT: 9.46 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

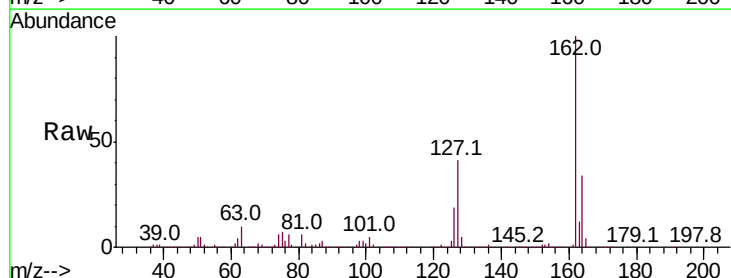
Tgt Ion:162 Resp: 854990

Ion Ratio Lower Upper

162 100

127 40.9 33.9 50.9

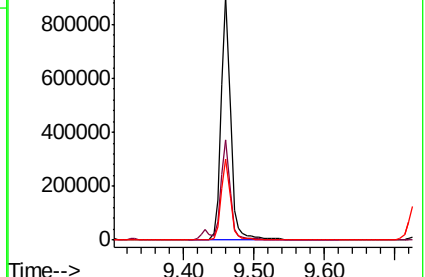
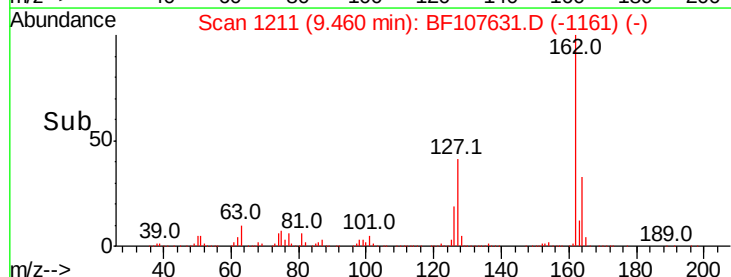
164 33.5 26.5 39.7

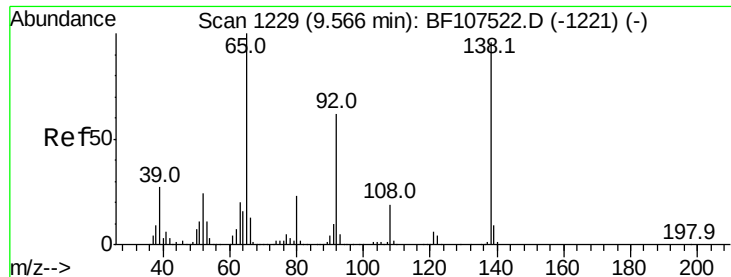


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 46.250 ng

RT: 9.56 min Scan# 1228

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

Tot Ion: 65 Resp: 314969

Ion Ratio Lower Upper

65 100

92 60.4 55.8 83.6

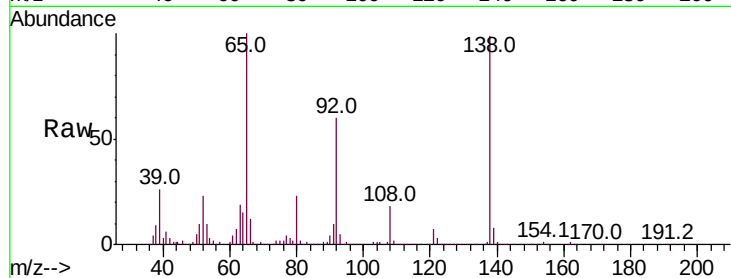
138 99.2 91.2 136.8

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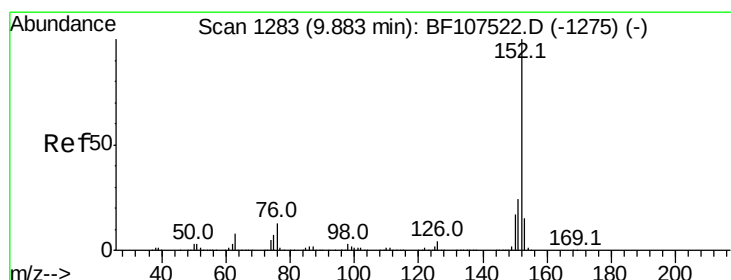
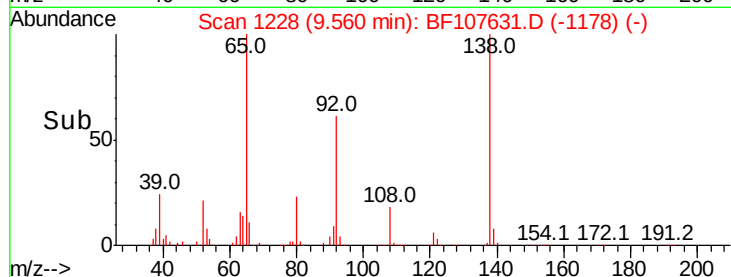
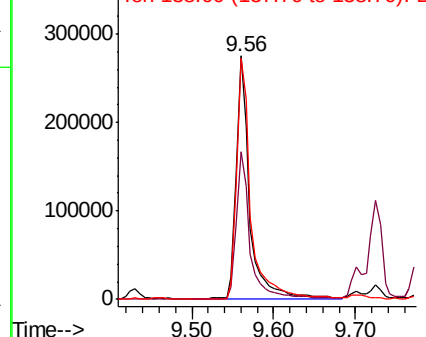
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Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#48

Acenaphthylene

Concen: 38.445 ng

RT: 9.88 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

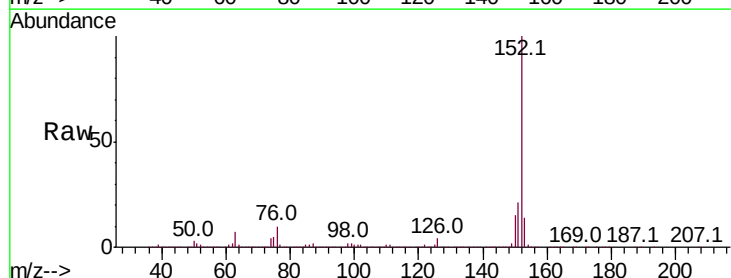
Tgt Ion: 152 Resp: 1349066

Ion Ratio Lower Upper

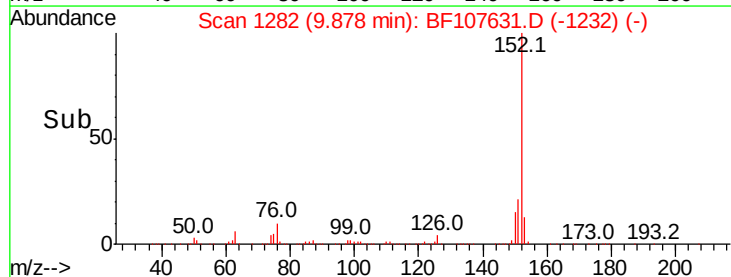
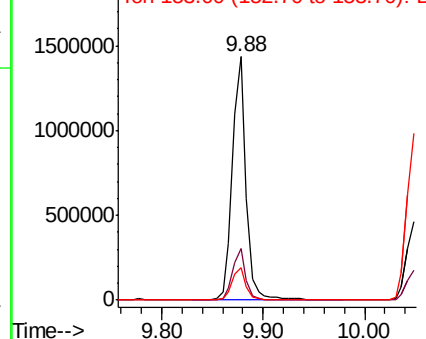
152 100

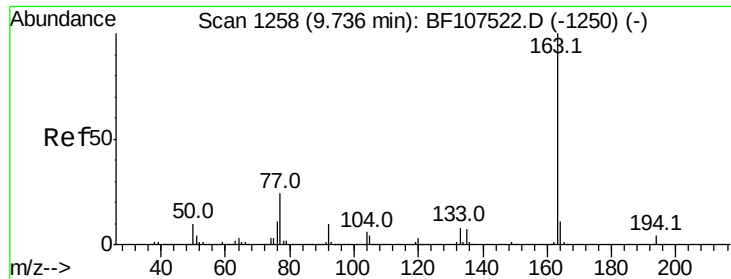
151 21.3 16.3 24.5

153 13.6 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





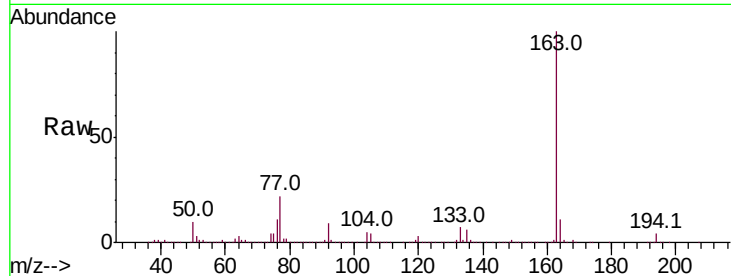
#49
Dimethylphthalate
Concen: 46.431 ng
RT: 9.72 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

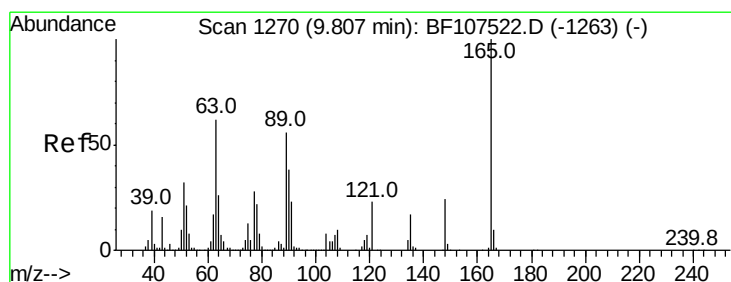
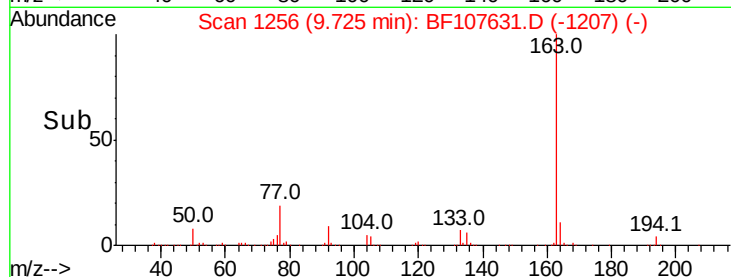
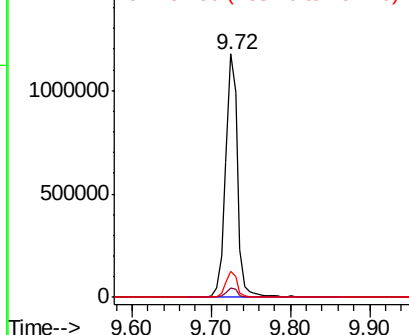
Tot Ion:163 Resp: 1227644
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.7 8.2 12.2

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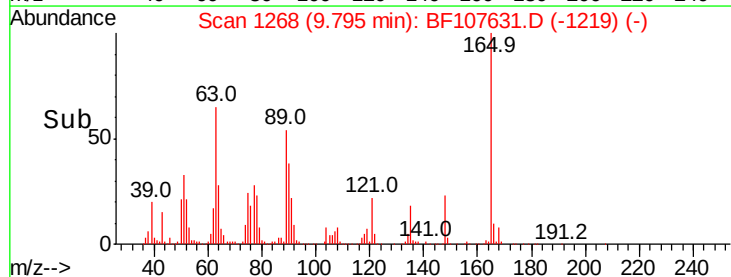
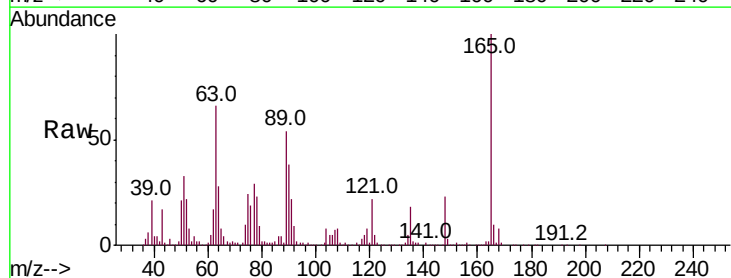
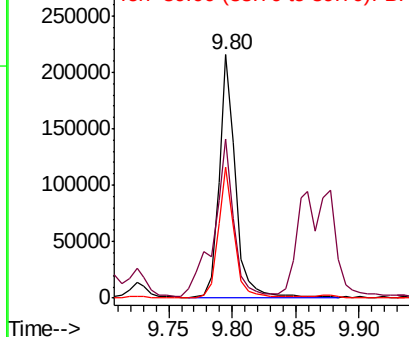
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

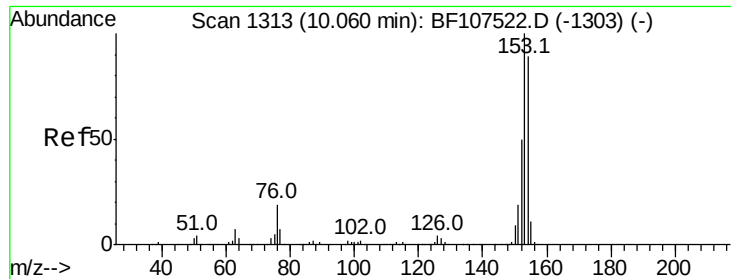


#50
2,6-Dinitrotoluene
Concen: 37.104 ng
RT: 9.80 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion:165 Resp: 194773
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: 34.495 ng

RT: 10.05 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

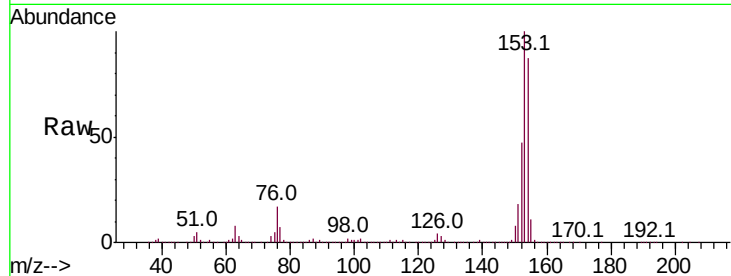
ClientSampleId :

GL-TOPSOIL-03MS

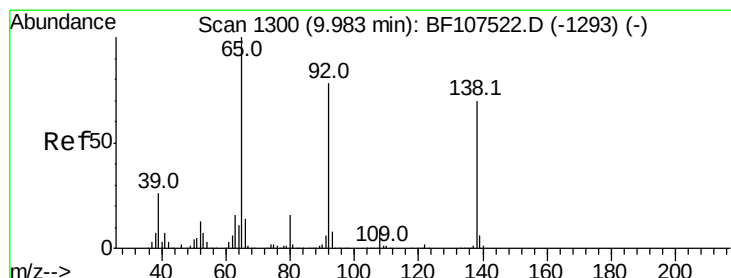
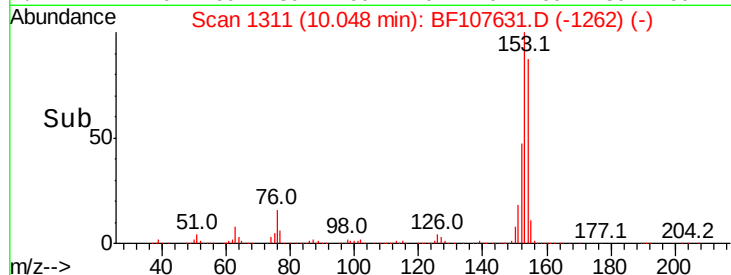
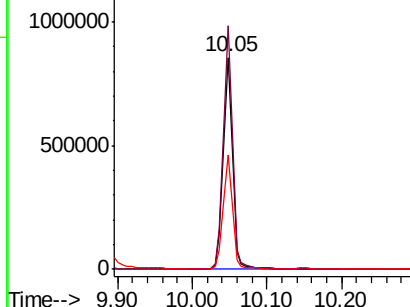
Tot Ion:	154	Resp:	758417
Ion Ratio	Lower	Upper	
154	100		
153	114.8	91.2	136.8
152	54.2	43.8	65.8

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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: 32.710 ng

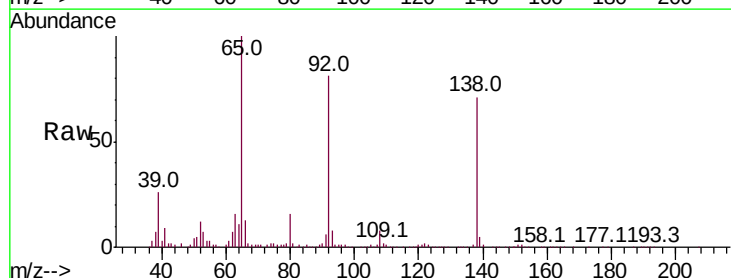
RT: 9.97 min Scan# 1298

Delta R.T. -0.01 min

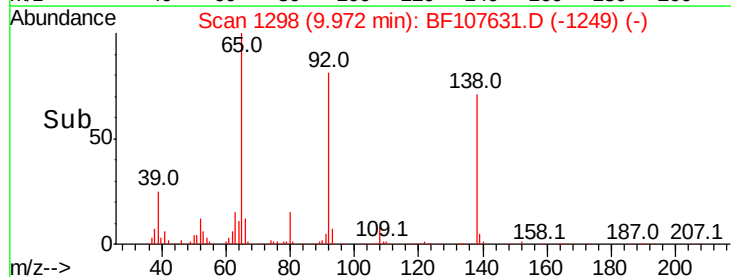
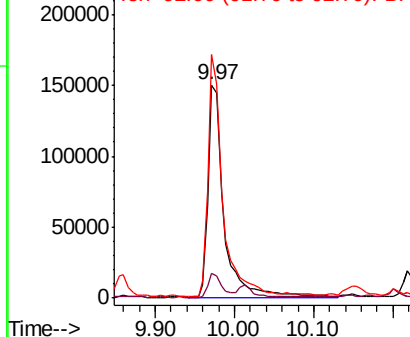
Lab File: BF107631.D

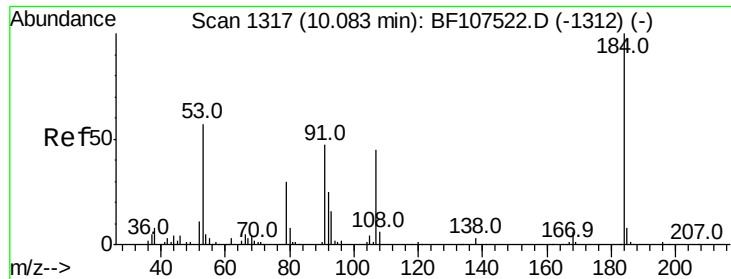
Acq: 24 Jul 2018 20:46

Tgt Ion:	138	Resp:	208893
Ion Ratio	Lower	Upper	
138	100		
108	11.4	9.4	14.0
92	114.4	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





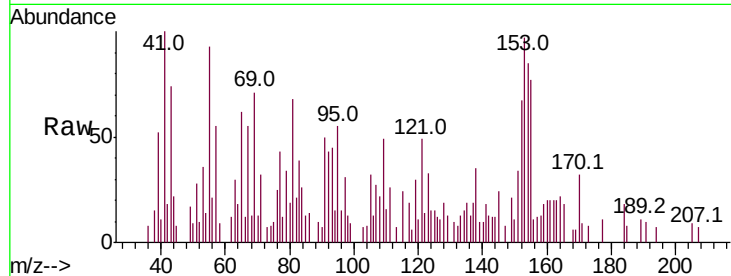
#53
2,4-Dinitrophenol
Concen: 9.238 ng
RT: 10.11 min Scan# 1321
Delta R.T. 0.02 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

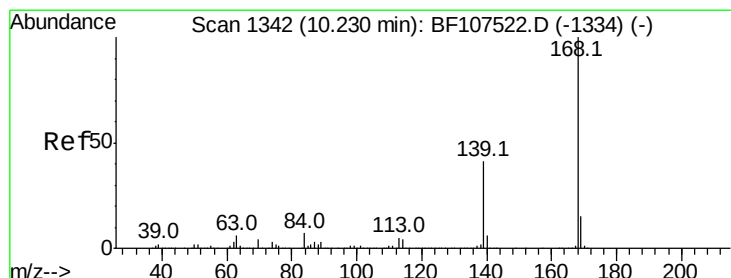
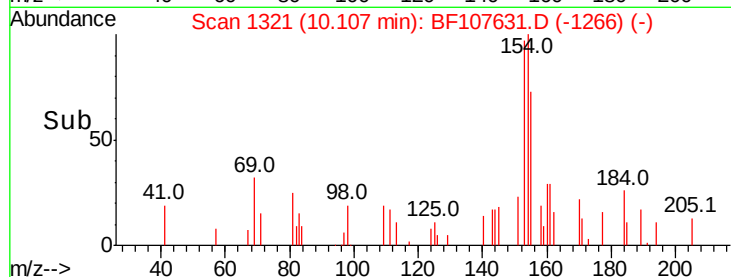
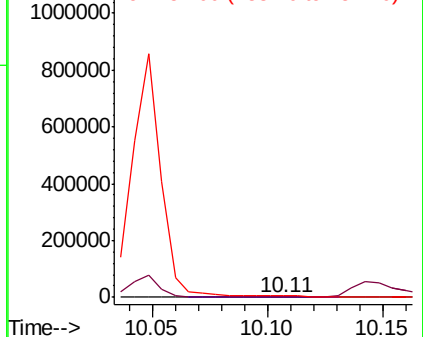
Tot Ion:184 Resp: 1718
Ion Ratio Lower Upper
184 100
63 167.2 54.2 81.2#
154 478.2 184.0 276.0#

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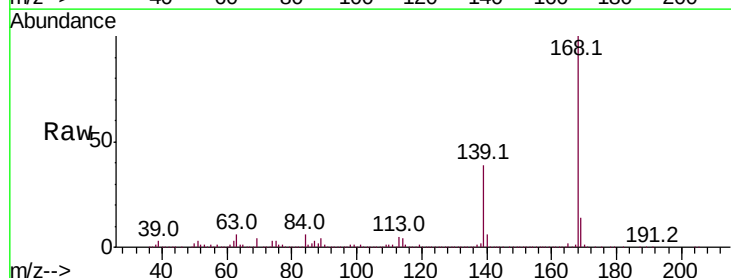


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

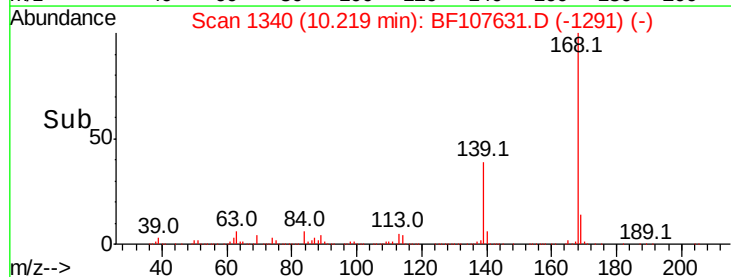
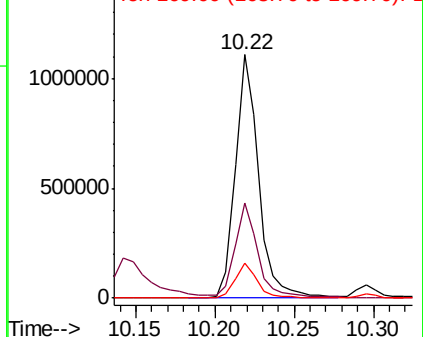


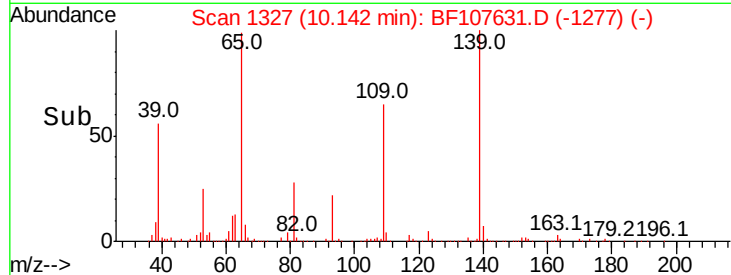
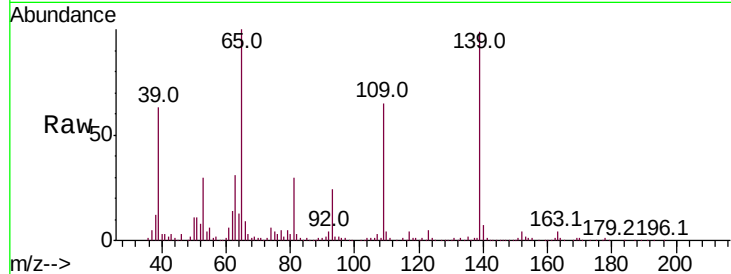
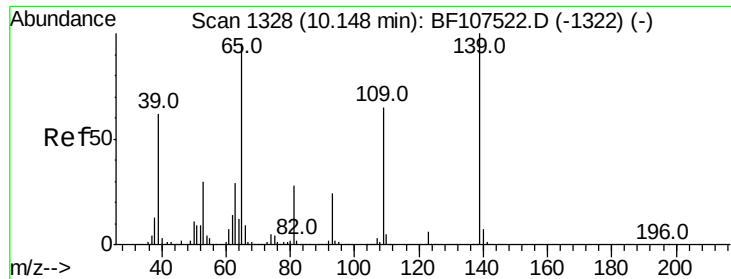
#54
Dibenzofuran
Concen: 34.829 ng
RT: 10.22 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion:168 Resp: 1127336
Ion Ratio Lower Upper
168 100
139 39.2 30.1 45.1
169 14.2 10.9 16.3



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





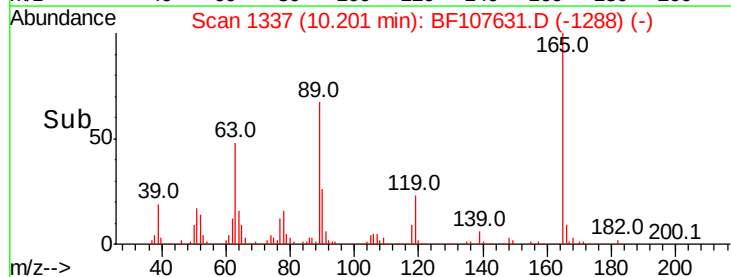
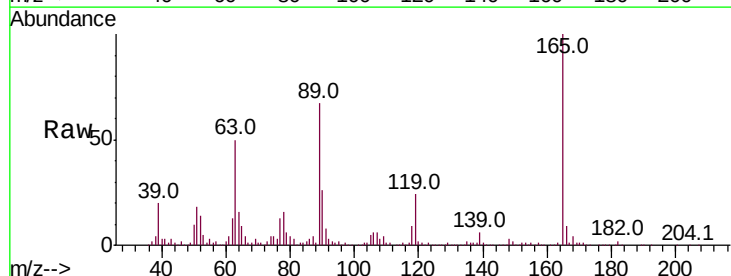
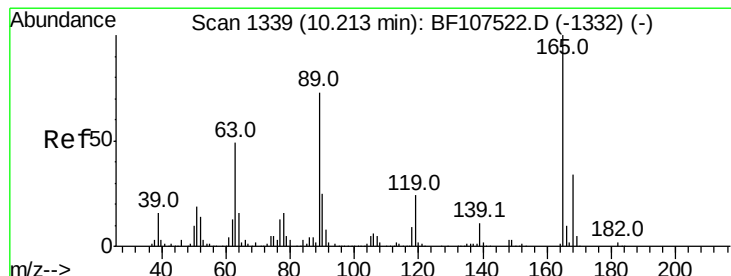
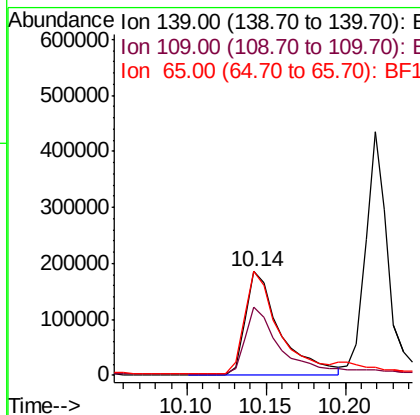
#55
4-Nitrophenol
Concen: 58.965 ng
RT: 10.14 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tot Ion	Ratio	Resp	Lower	Upper
139	100	281932		
109	65.7	48.4	88.4	
65	100.7	72.6	112.6	

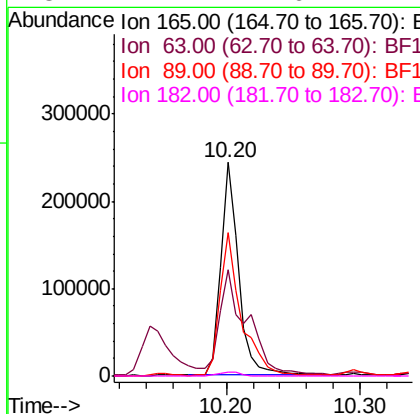
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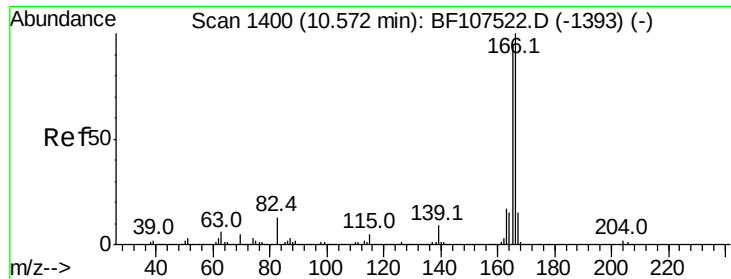
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#56
2,4-Dinitrotoluene
Concen: 36.577 ng
RT: 10.20 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	231769		
63	49.6	36.4	54.6	
89	67.1	57.8	86.6	
182	2.1	1.6	2.4	





#57

Fluorene

Concen: 37.612 ng

RT: 10.57 min Scan# 1399

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

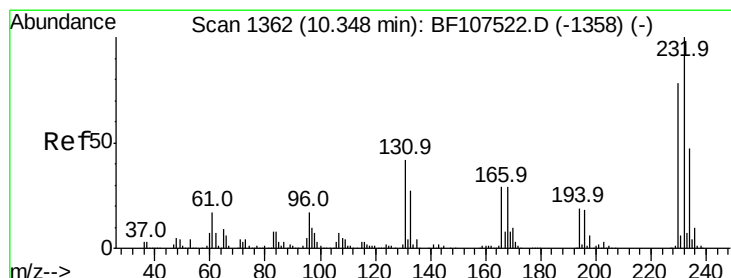
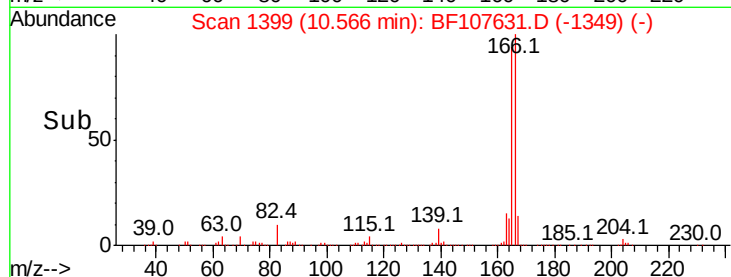
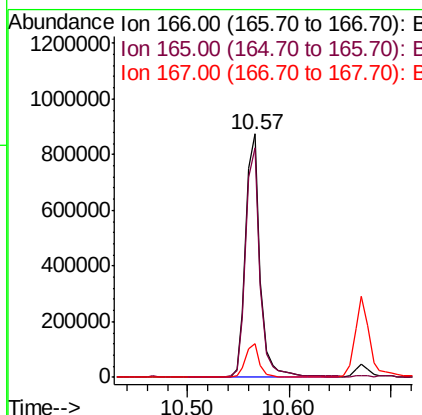
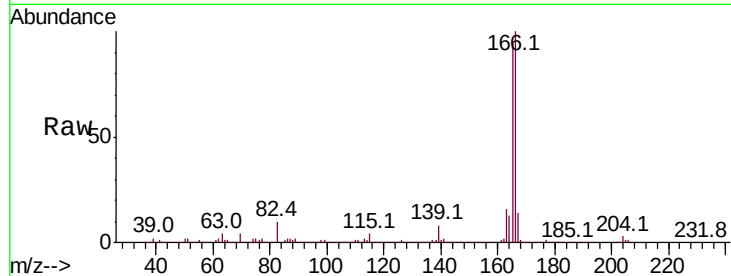
ClientSampleId :

GL-TOPSOIL-03MS

Tot Ion:	166	Resp:	868541
Ion Ratio	Lower	Upper	
166	100		
165	94.4	79.8	119.8
167	13.8	10.6	16.0

Manual Integrations
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#58

2,3,4,6-Tetrachlorophenol

Concen: 35.802 ng

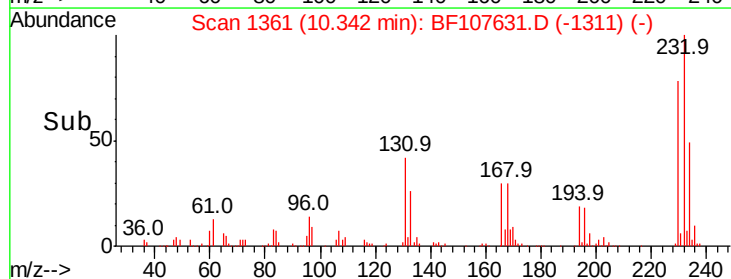
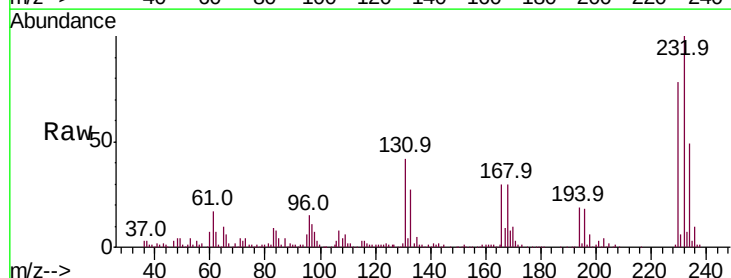
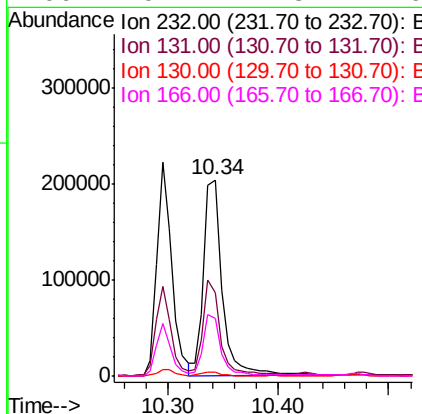
RT: 10.34 min Scan# 1361

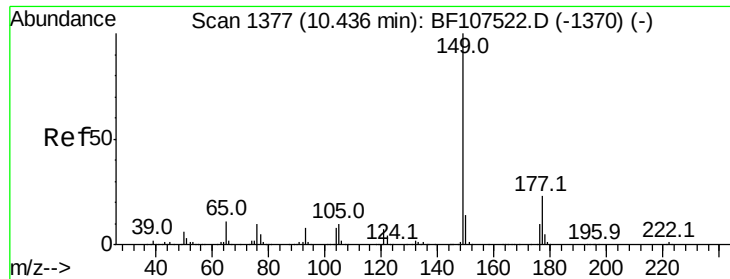
Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Tgt Ion:	232	Resp:	233247
Ion Ratio	Lower	Upper	
232	100		
131	43.0	43.8	65.8#
130	2.3	2.1	3.1
166	29.1	27.8	41.6





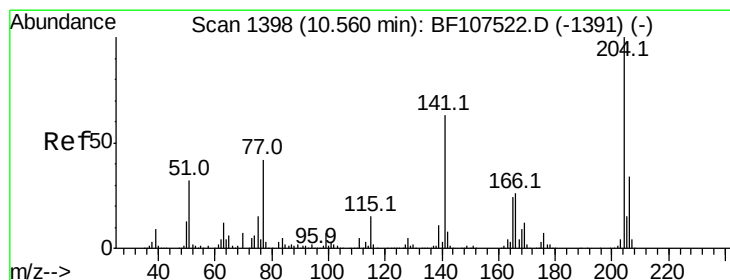
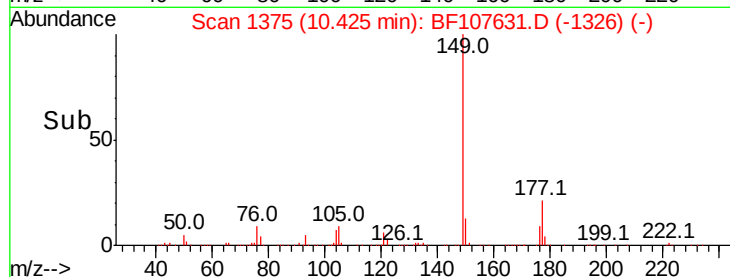
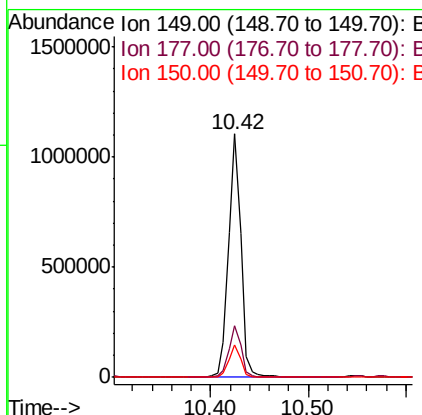
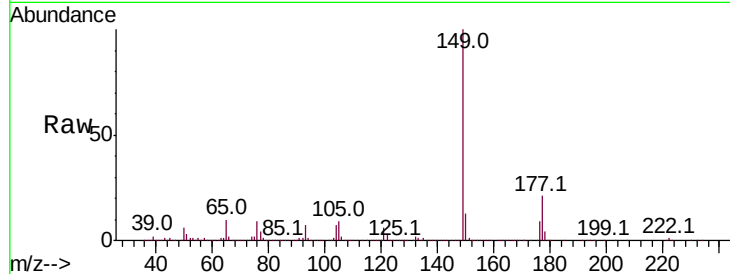
#59
Diethylphthalate
Concen: 35.430 ng
RT: 10.42 min Scan# 1375
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tot Ion:	149	Resp:	978344
Ion Ratio	Lower	Upper	
149	100		
177	21.3	16.1	24.1
150	13.4	10.1	15.1

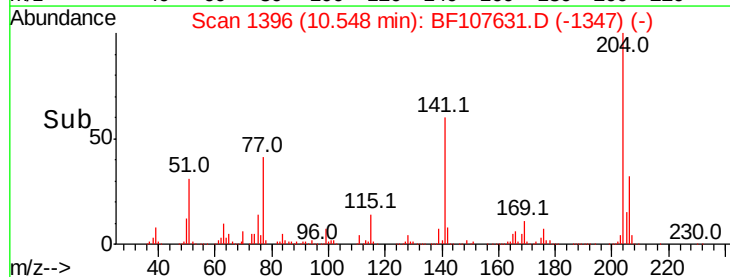
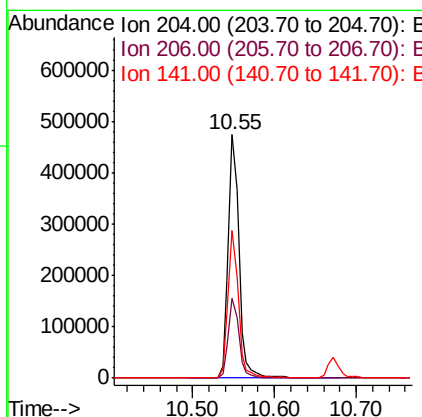
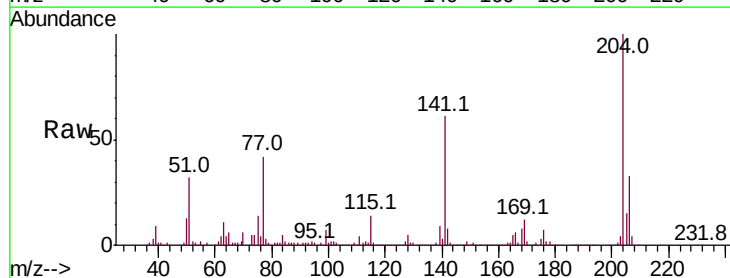
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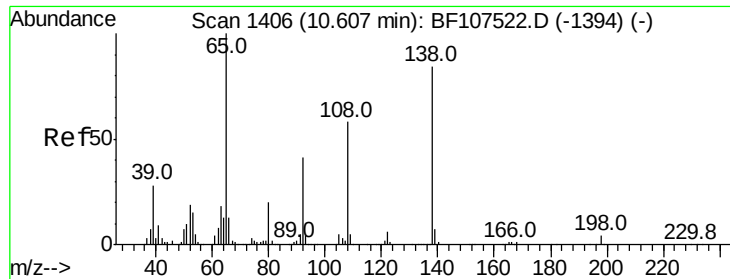
Sohil
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#60
4-Chlorophenyl-phenylether
Concen: 33.402 ng
RT: 10.55 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion:	204	Resp:	436042
Ion Ratio	Lower	Upper	
204	100		
206	32.5	26.5	39.7
141	60.6	54.6	81.8





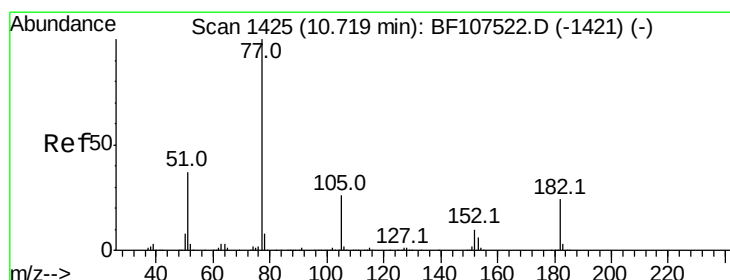
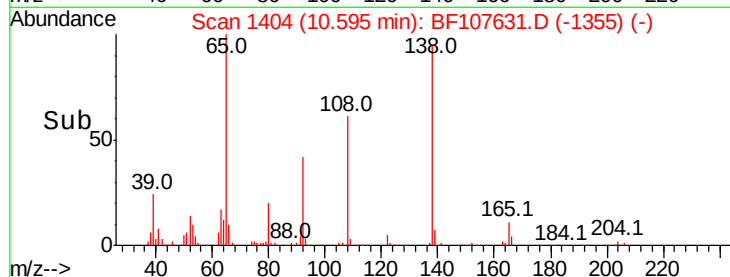
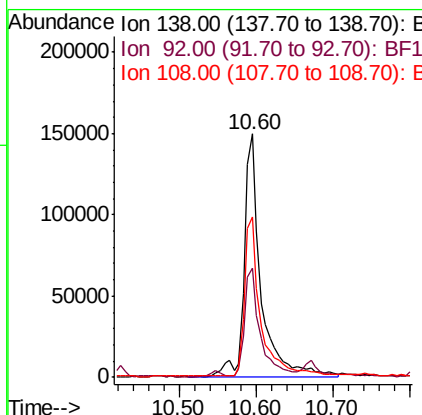
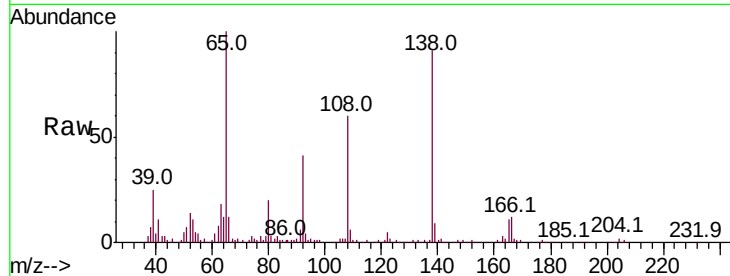
#61
4-Nitroaniline
Concen: 42.572 ng
RT: 10.60 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tot Ion	Ratio	Lower	Upper
138	100		
92	45.0	30.2	70.2
108	65.8	52.5	92.5

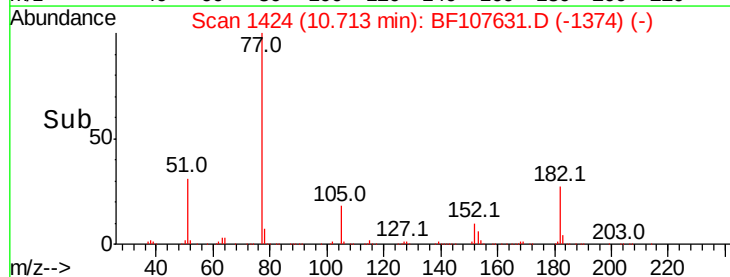
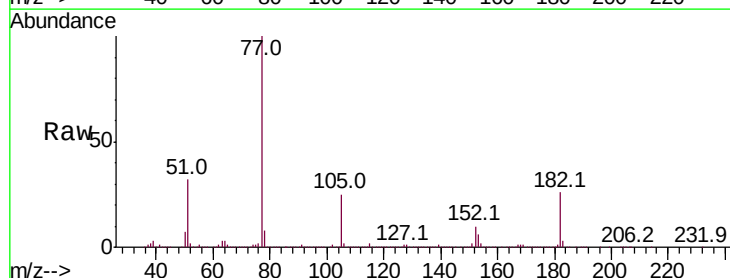
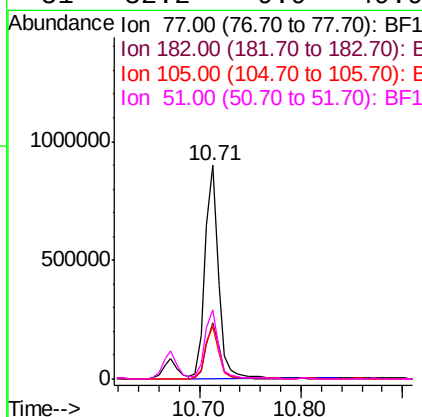
Manual Integrations
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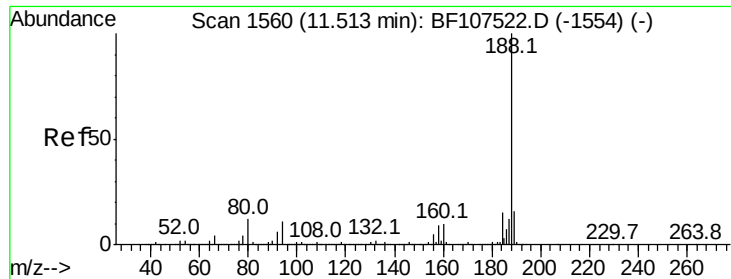
Sohil
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#62
Azobenzene
Concen: 32.104 ng
RT: 10.71 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
77	100		
182	26.4	1.7	41.7
105	24.7	3.0	43.0
51	32.2	9.9	49.9





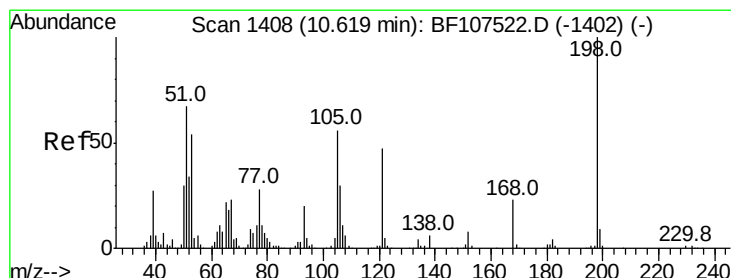
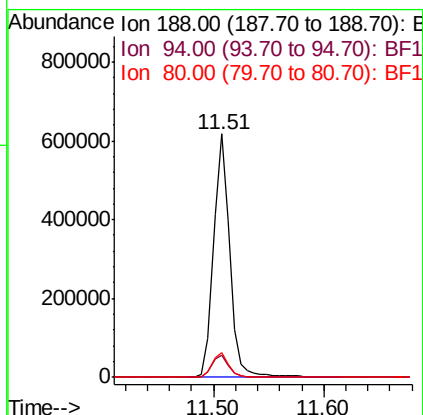
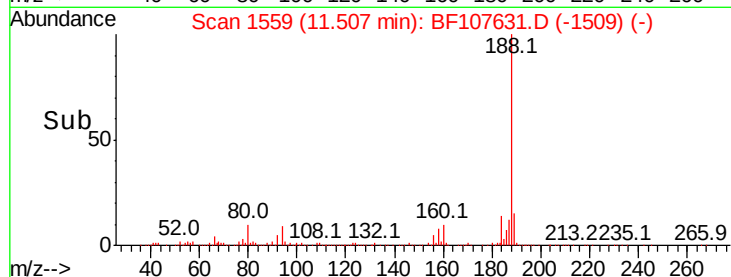
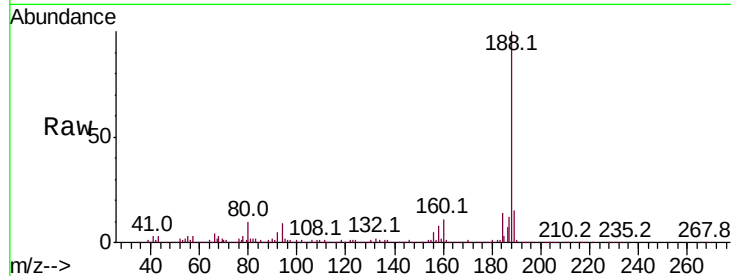
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	623580		
94	9.3		8.5	12.7
80	10.1		9.2	13.8

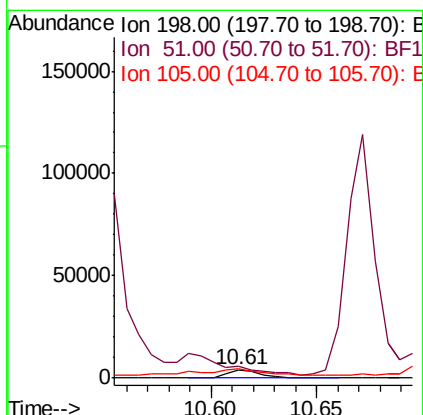
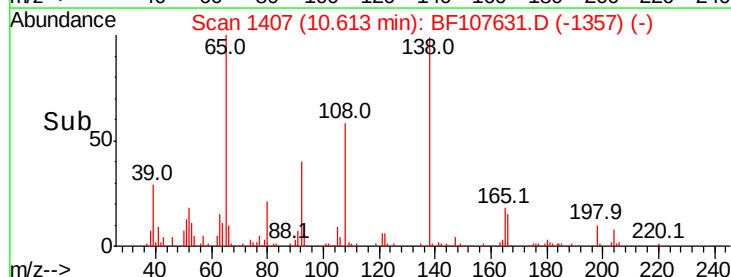
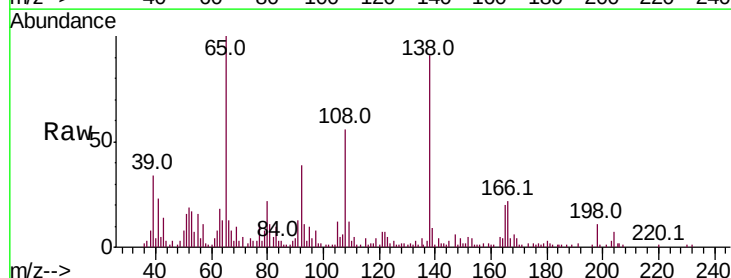
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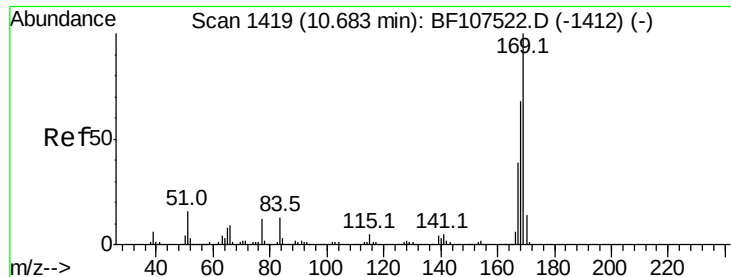
Sohil
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#64
4,6-Dinitro-2-methylphenol
Concen: 10.071 ng
RT: 10.61 min Scan# 1407
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	5110		
51	141.3		37.7	77.7#
105	108.7		36.3	76.3#





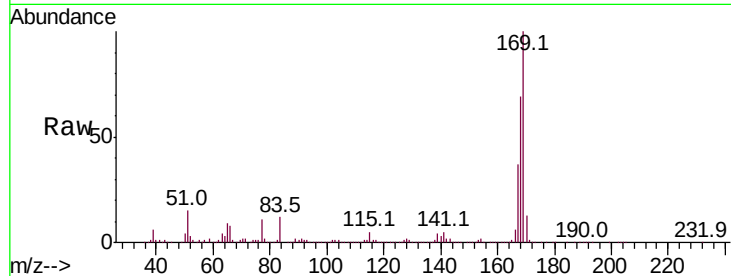
#65
n-Nitrosodiphenylamine
Concen: 36.493 ng
RT: 10.67 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tot Ion	Ratio	Lower	Upper
169	100		
168	68.7	54.4	81.6
167	37.3	29.8	44.6

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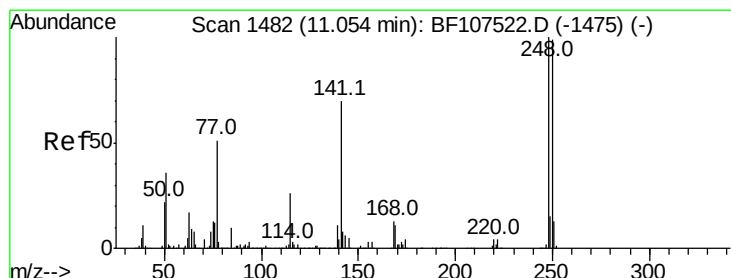
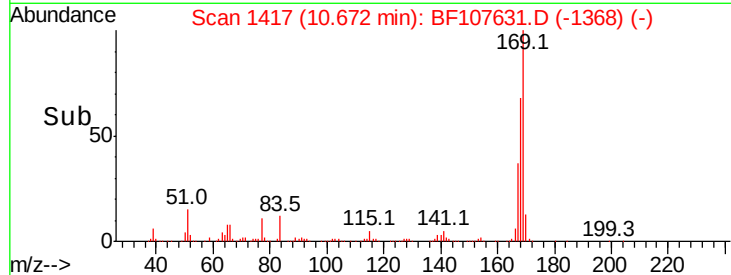
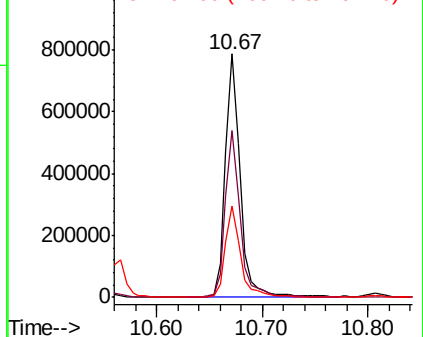


Abundance

Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66
4-Bromophenyl-phenylether
Concen: 34.229 ng
RT: 11.04 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

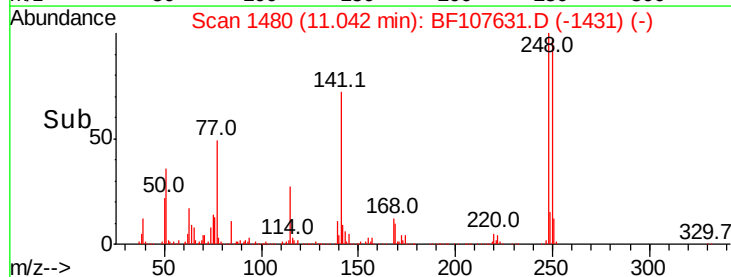
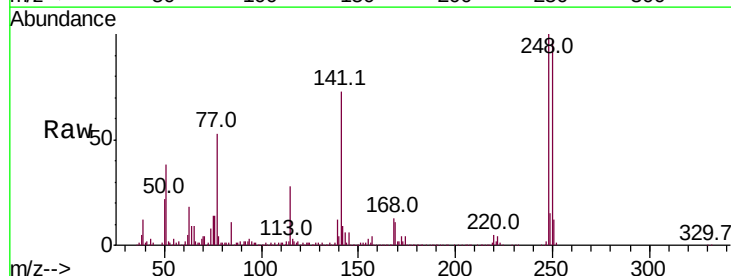
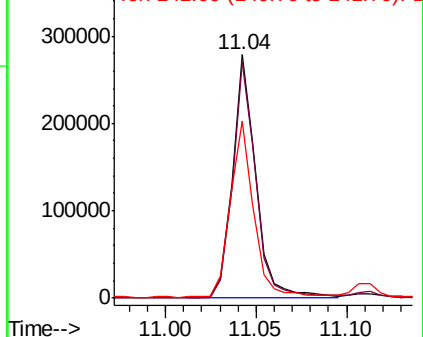
Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.7	76.9	115.3
141	72.5	74.4	111.6#

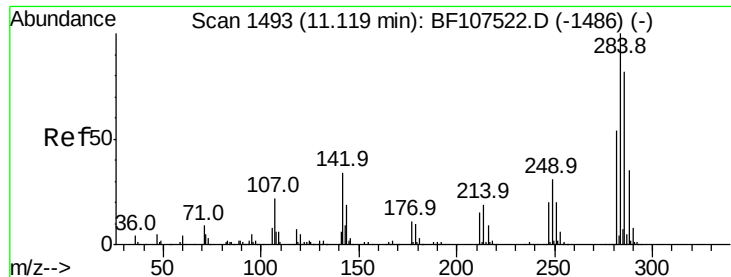
Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 32.594 ng

RT: 11.11 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

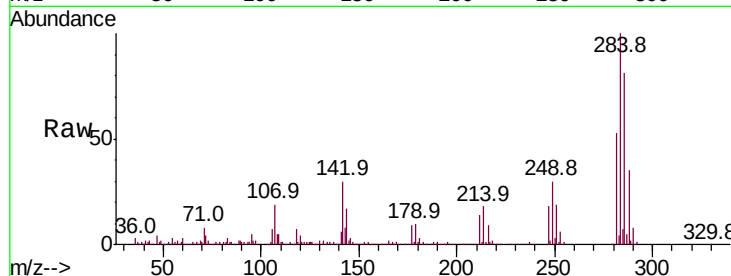
GL-TOPSOIL-03MS

Tot Ion:	284	Resp:	263254
Ion Ratio	Lower	Upper	
284	100		
142	30.1	34.6	52.0#
249	29.6	24.8	37.2

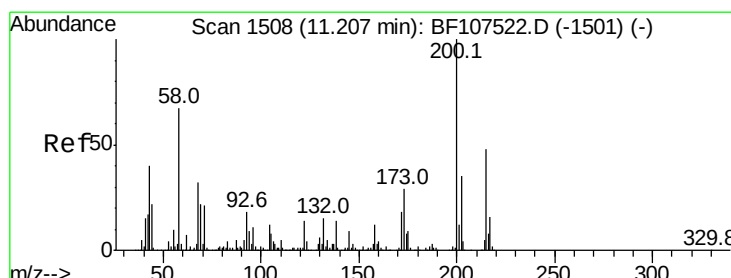
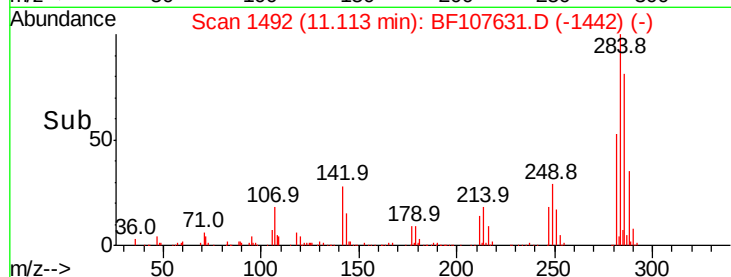
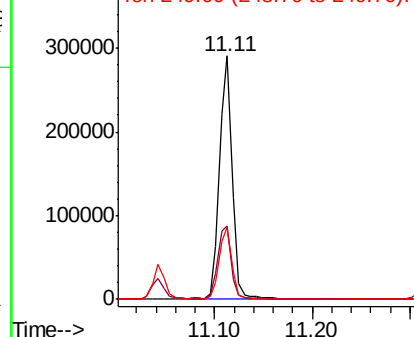
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Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 34.365 ng

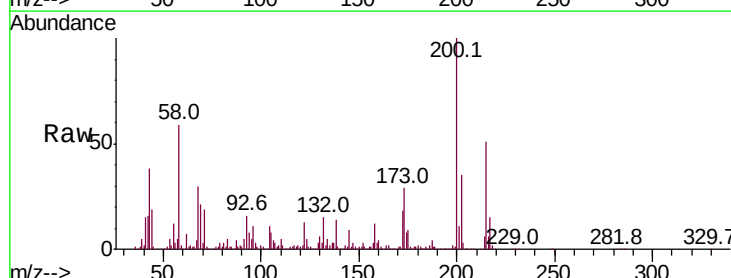
RT: 11.20 min Scan# 1506

Delta R.T. -0.01 min

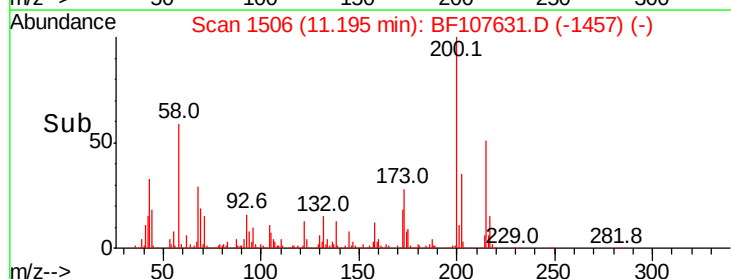
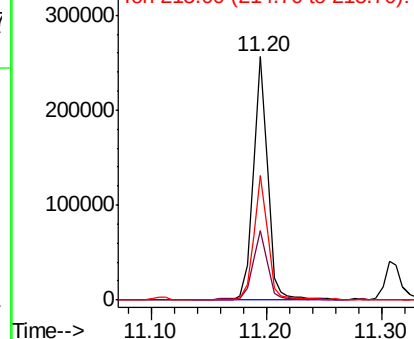
Lab File: BF107631.D

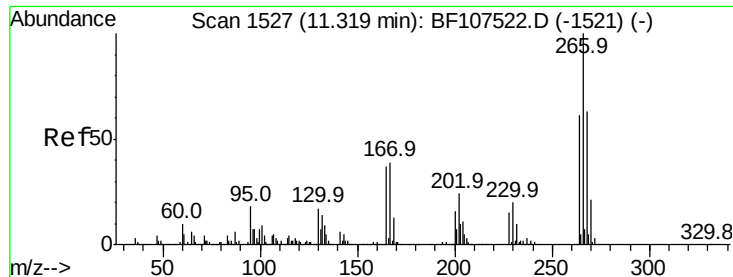
Acq: 24 Jul 2018 20:46

Tgt Ion:	200	Resp:	222211
Ion Ratio	Lower	Upper	
200	100		
173	28.6	8.6	48.6
215	50.9	25.1	65.1



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





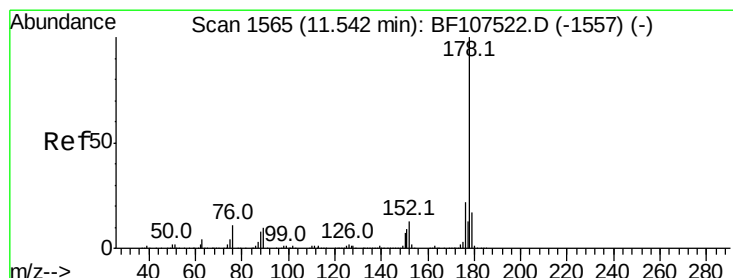
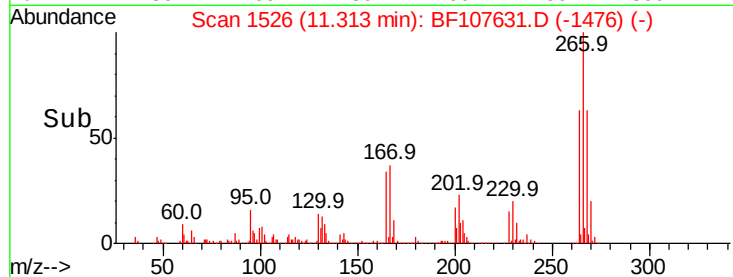
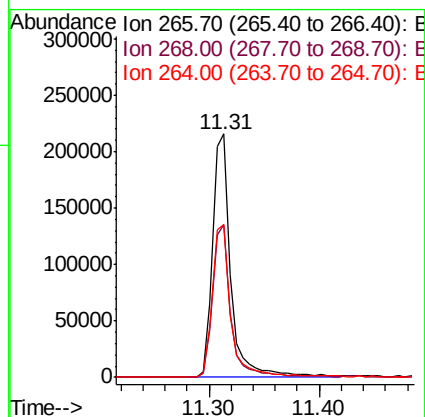
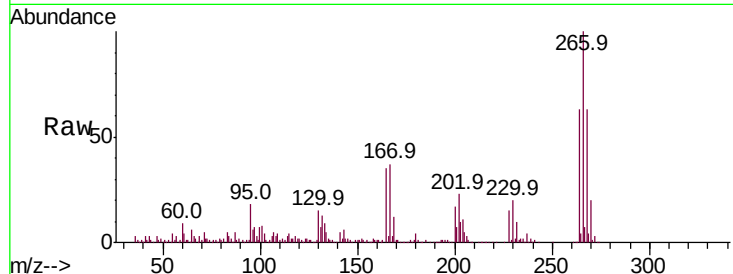
#69
 Pentachlorophenol
 Concen: 48.252 ng
 RT: 11.31 min Scan# 1526
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MS

Tot Ion:	266	Resp:	243427
Ion Ratio	Lower	Upper	
266	100		
268	62.6	51.1	76.7
264	62.7	49.5	74.3

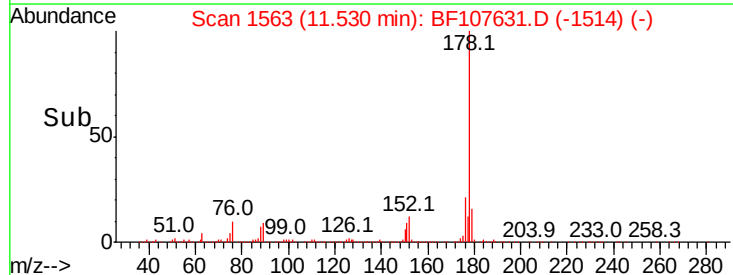
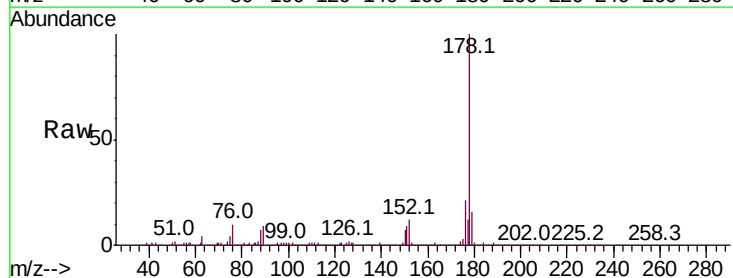
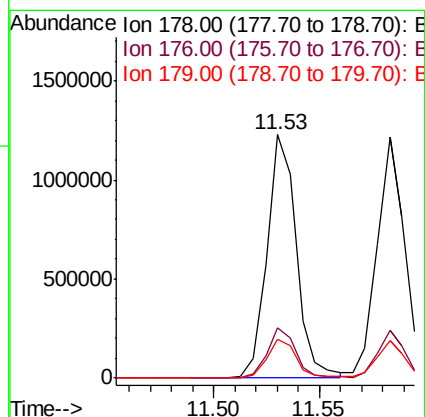
Manual Integrations
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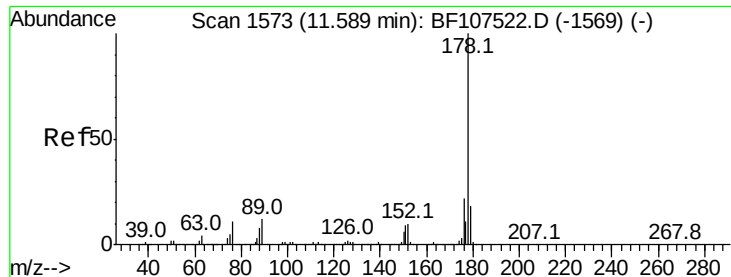
Sohil
 7/25/2018 12:58:36 PM



#70
 Phenanthrene
 Concen: 39.019 ng
 RT: 11.53 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Tgt Ion:	178	Resp:	1185693
Ion Ratio	Lower	Upper	
178	100		
176	20.7	15.8	23.8
179	16.0	13.0	19.6





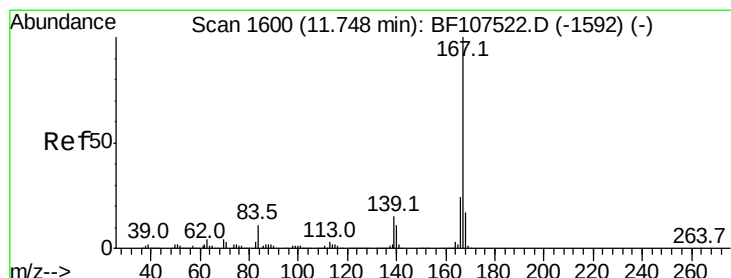
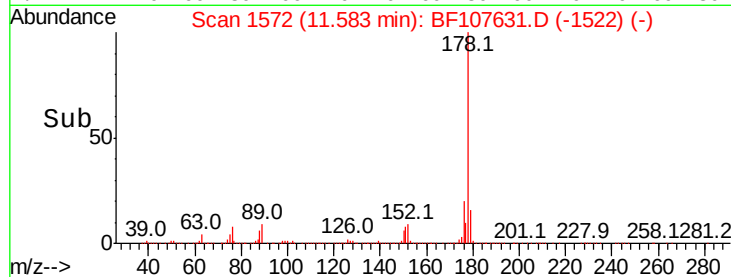
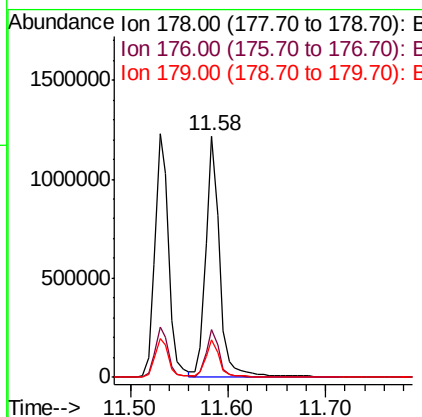
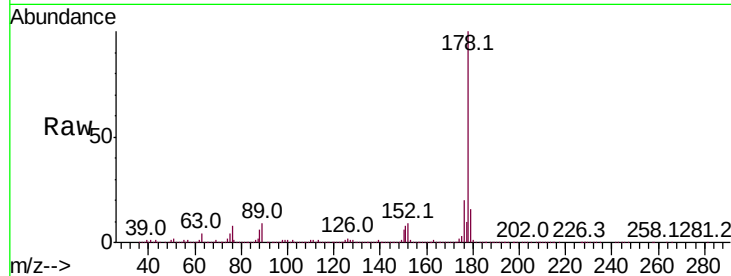
#71
 Anthracene
 Concen: 38.904 ng
 RT: 11.58 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	15.8	12.6	19.0

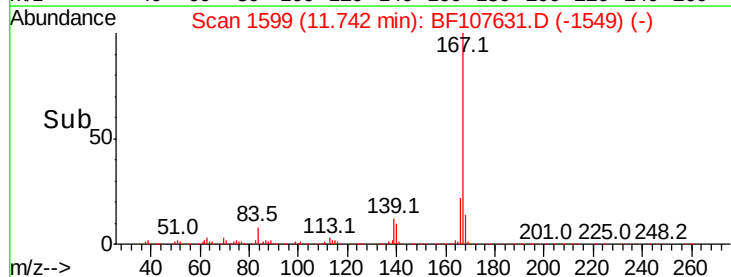
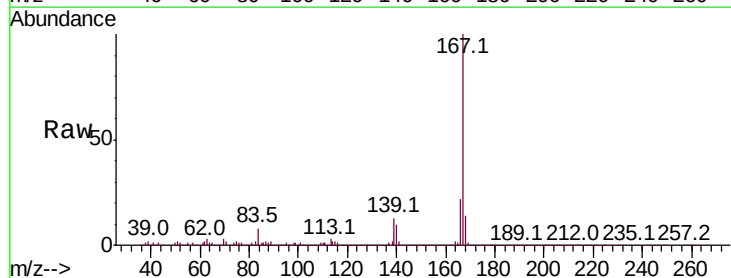
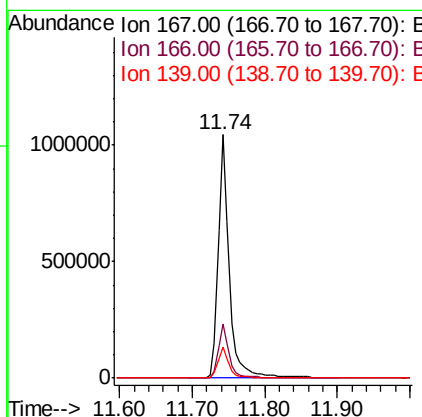
Manual Integrations
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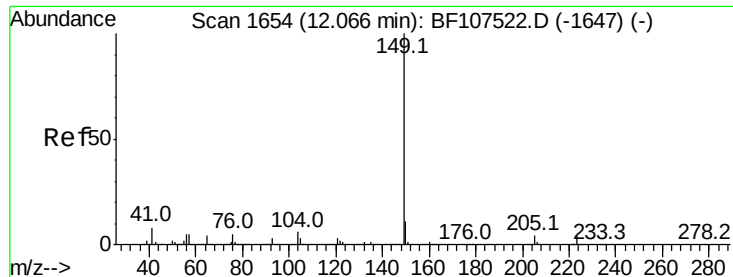
Sohil
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#72
 Carbazole
 Concen: 35.034 ng
 RT: 11.74 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.6	26.4
139	12.5	10.9	16.3





#73

Di-n-butylphthalate

Concen: 37.354 ng

RT: 12.05 min Scan# 1652

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

Tot Ion:149 Resp: 1285996

Ion Ratio Lower Upper

149 100

150 10.1 7.8 11.6

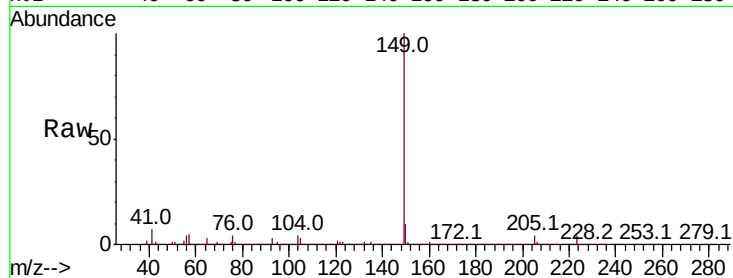
104 4.4 3.8 5.8

Manual Integrations

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Sohil

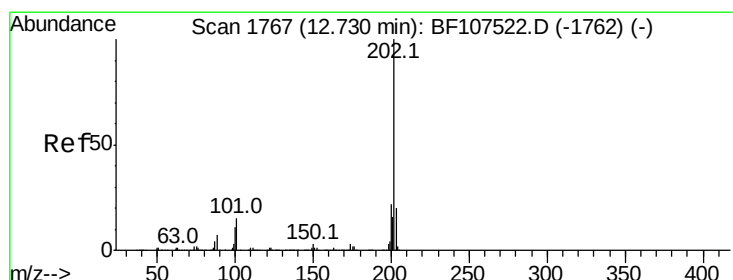
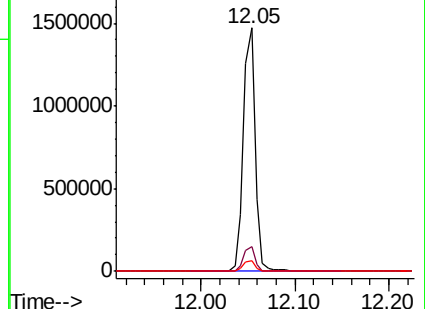
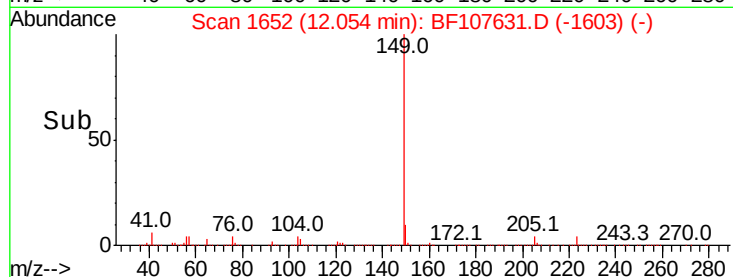
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 45.477 ng

RT: 12.72 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

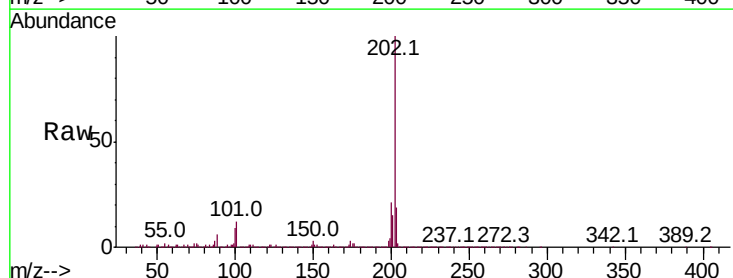
Tgt Ion:202 Resp: 1482908

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

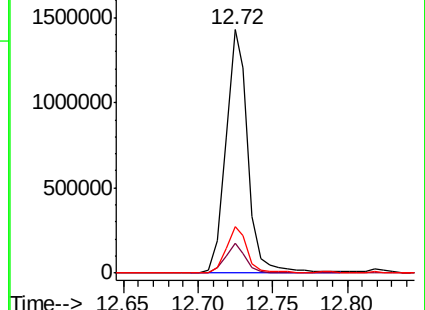
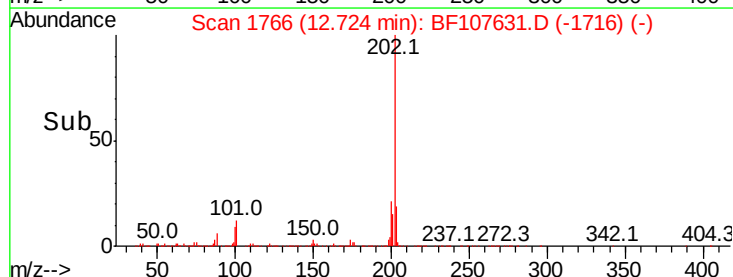
203 18.9 0.0 38.1

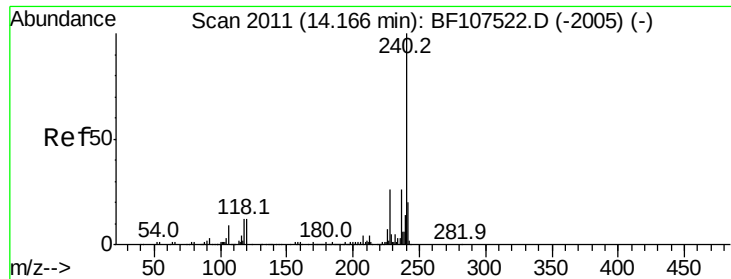


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

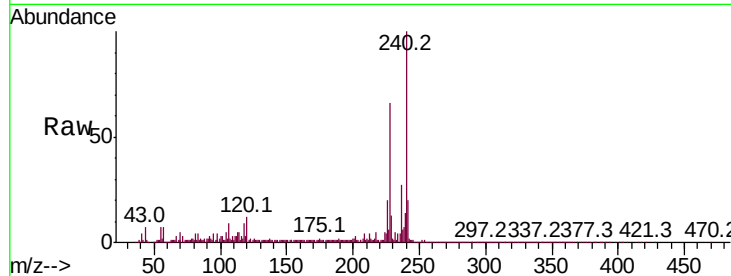
ClientSampleId :

GL-TOPSOIL-03MS

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.5	14.3
236	26.7	20.7	31.1

Manual Integrations
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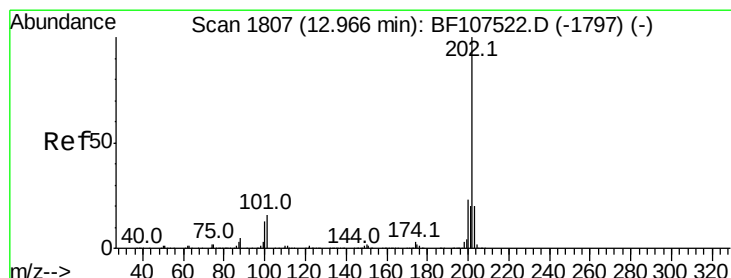
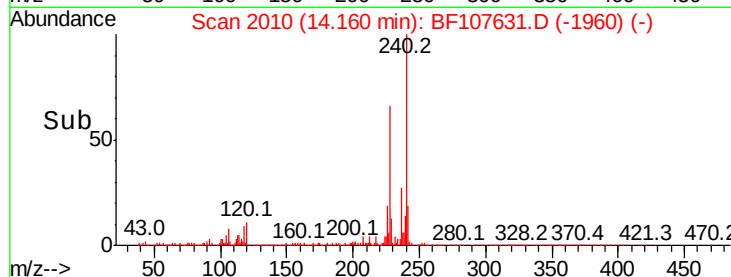
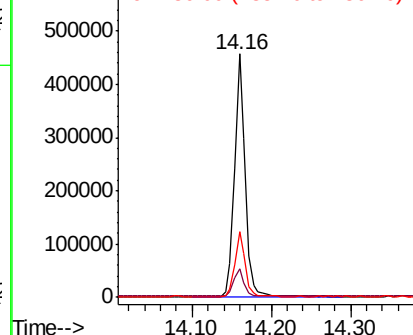


Abundance

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



#77

Pyrene

Concen: 49.371 ng

RT: 12.96 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

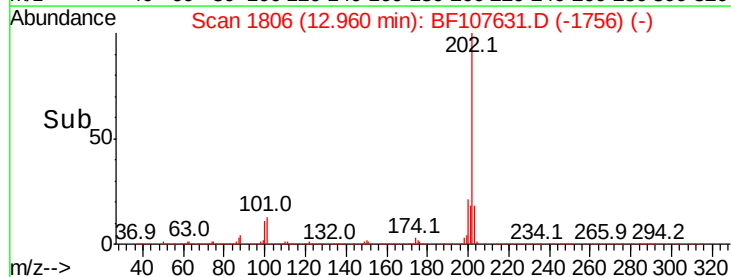
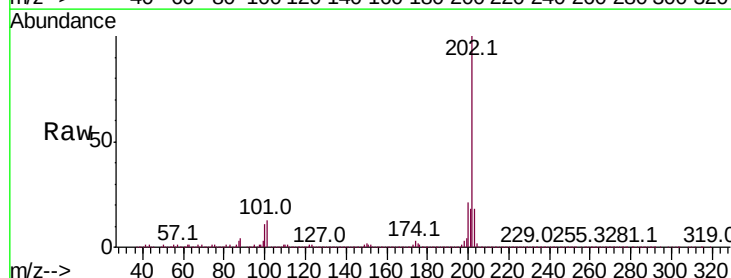
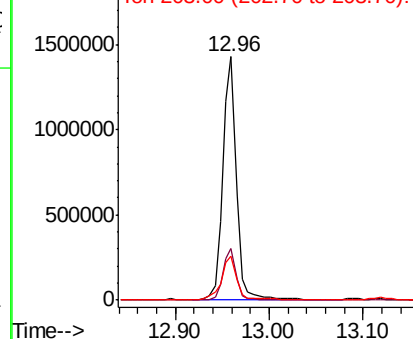
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.1	14.3	21.5

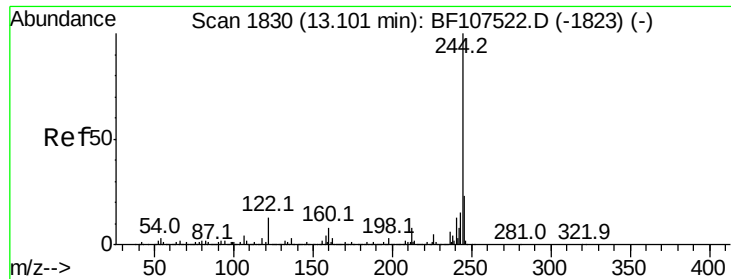
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78
 Terphenyl-d14
 Concen: 96.868 ng
 RT: 13.09 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

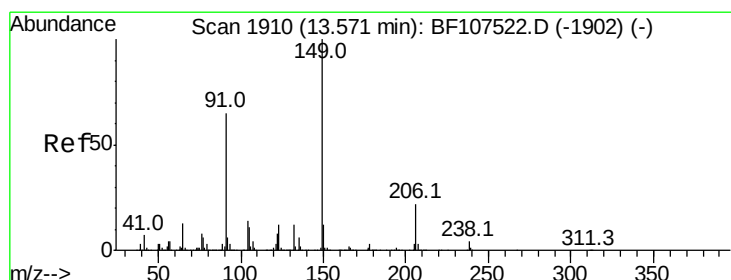
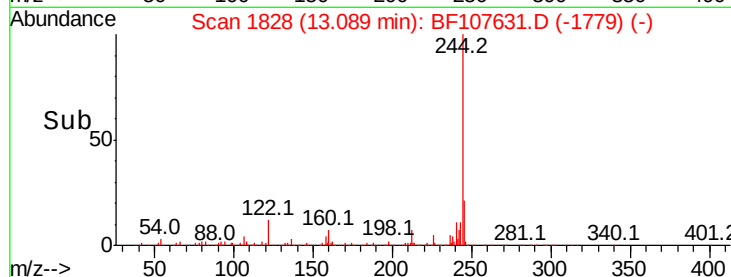
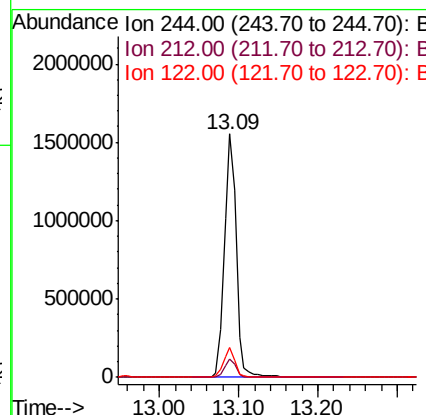
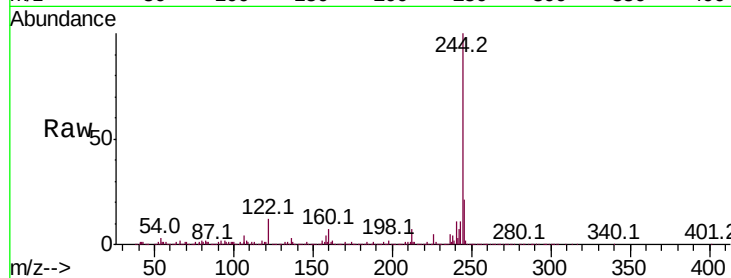
Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03MS

Tot Ion:244 Resp: 1612247

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	12.1	11.0	16.4

Manual Integrations
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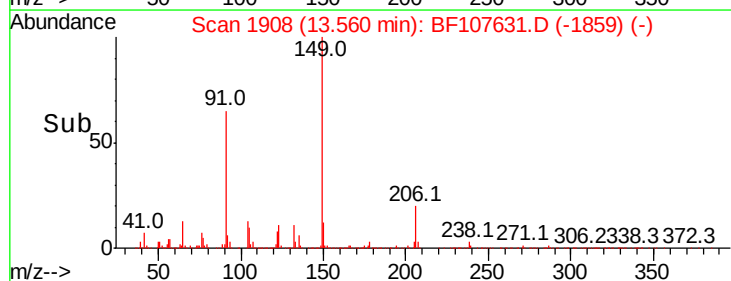
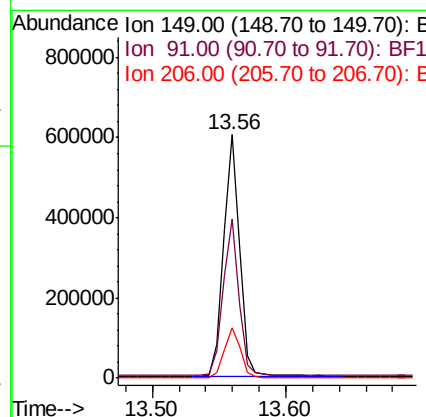
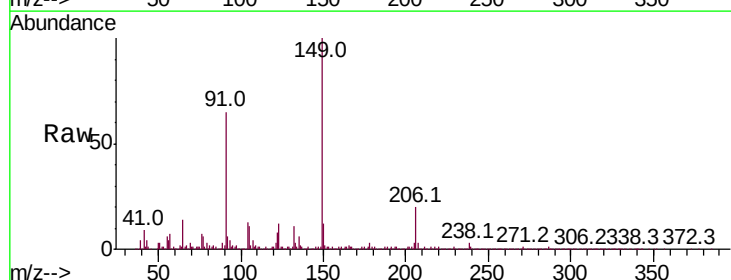
Sohil
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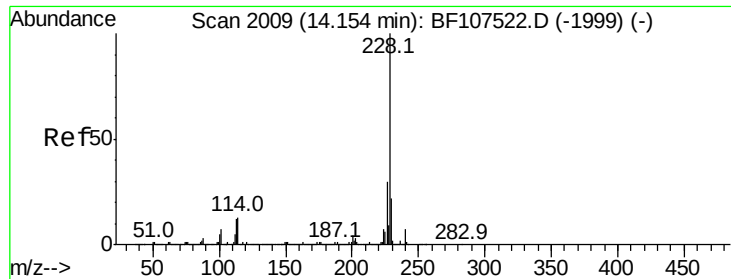


#79
 Butylbenzylphthalate
 Concen: 40.832 ng
 RT: 13.56 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: BF107631.D
 Acq: 24 Jul 2018 20:46

Tgt Ion:149 Resp: 511792

Ion	Ratio	Lower	Upper
149	100		
91	65.1	56.8	85.2
206	20.5	14.1	21.1





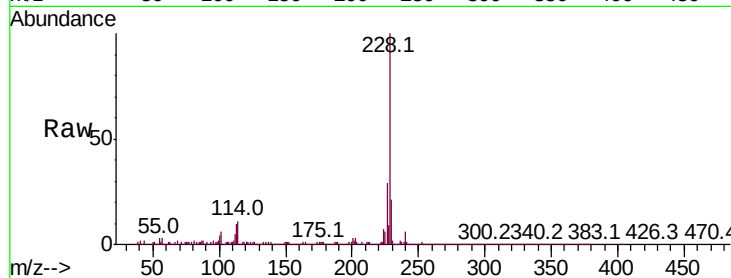
#80
Benzo(a)anthracene
Concen: 43.646 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

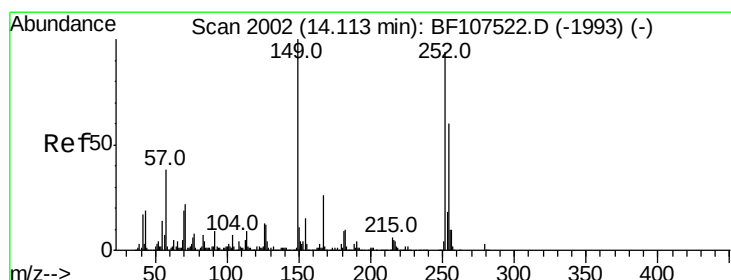
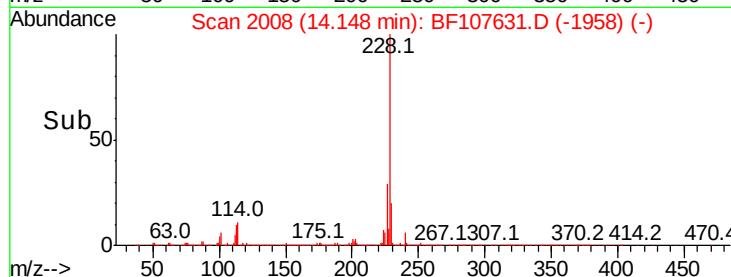
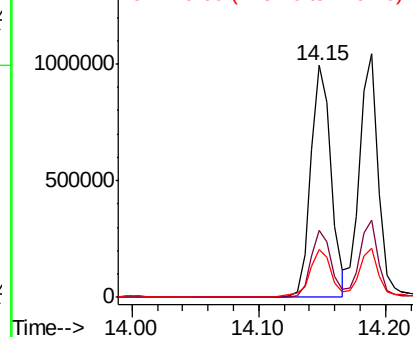
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	20.6	15.8	23.6

Manual Integrations
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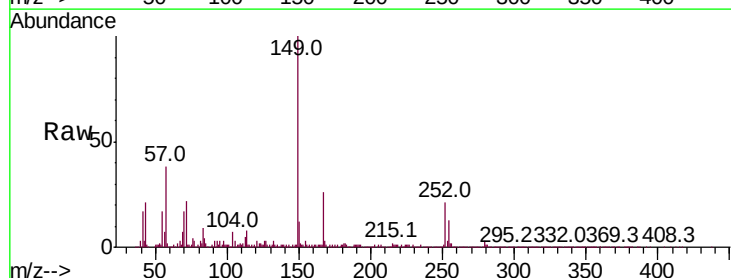


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

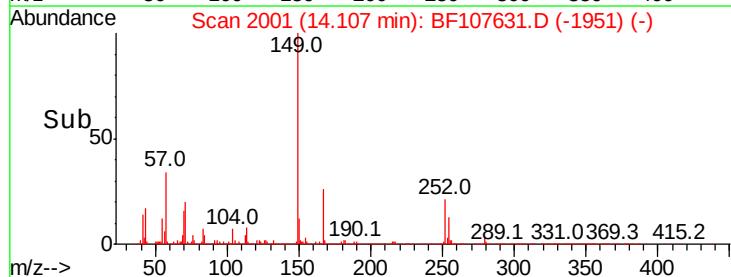
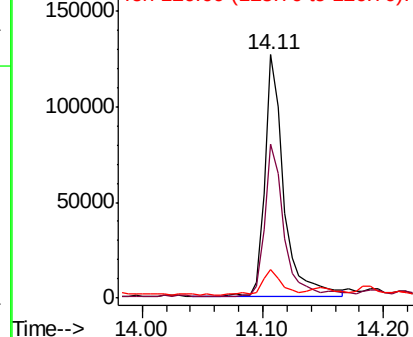


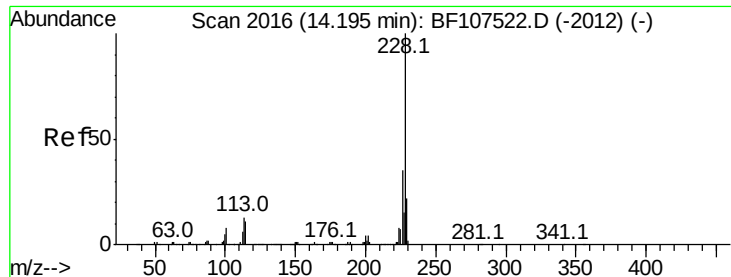
#81
3,3'-Dichlorobenzidine
Concen: 15.221 ng
RT: 14.11 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.1	50.4	75.6
126	12.0	11.3	16.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 44.877 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

Tot Ion:228 Resp: 1076421

Ion Ratio Lower Upper

228 100

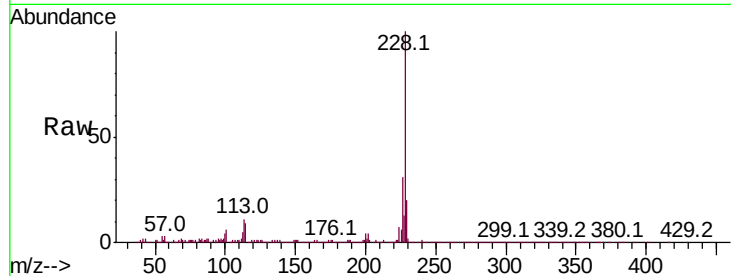
226 31.5 25.0 37.6

229 20.4 16.2 24.4

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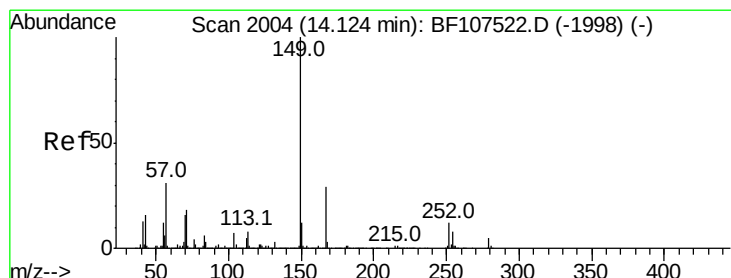
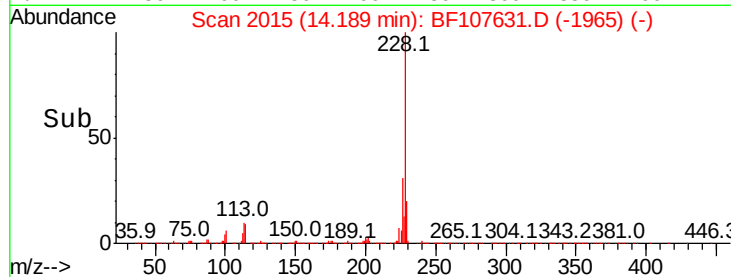
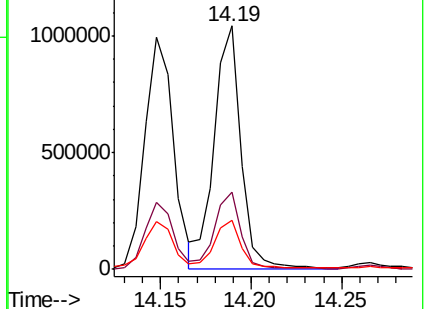
7/25/2018 12:58:36 PM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 39.987 ng

RT: 14.11 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Tgt Ion:149 Resp: 707186

Ion Ratio Lower Upper

149 100

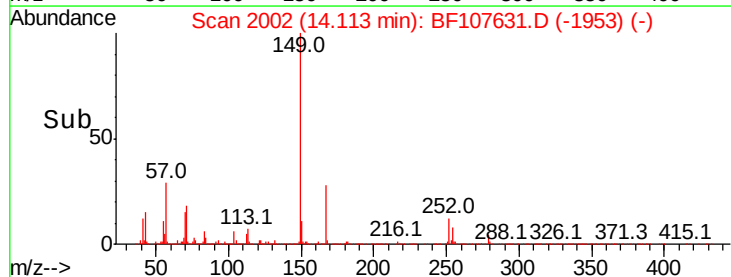
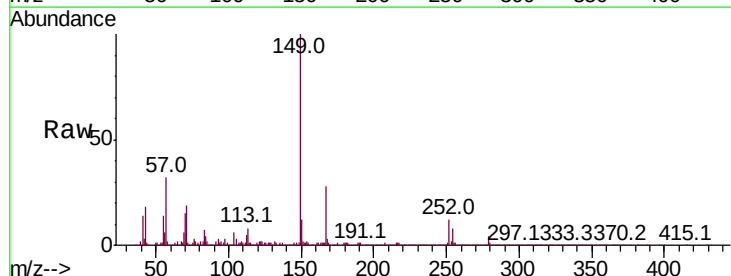
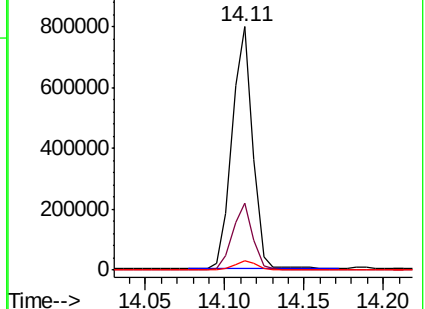
167 27.7 21.3 31.9

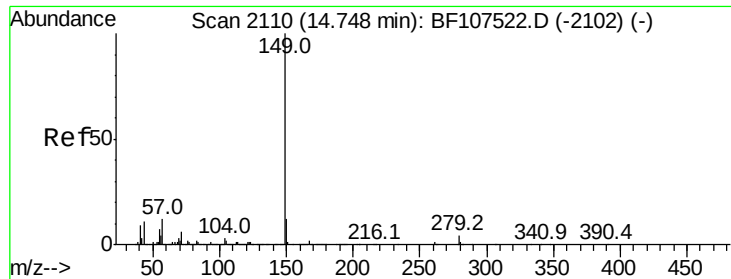
279 3.9 3.0 4.4

Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 39.662 ng

RT: 14.73 min Scan# 2107

Delta R.T. -0.02 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-03MS

Tot Ion:149 Resp: 1090287

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

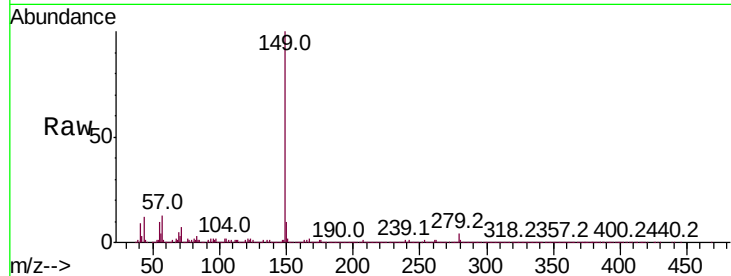
43 9.2 8.4 12.6

Manual Integrations

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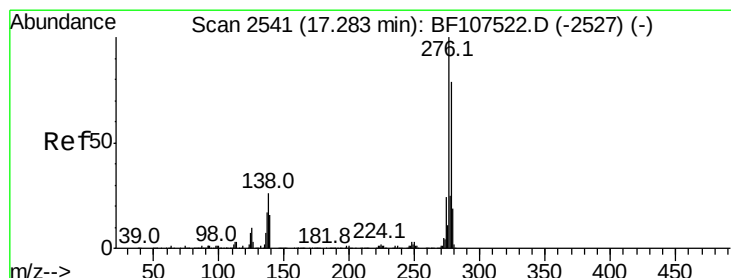
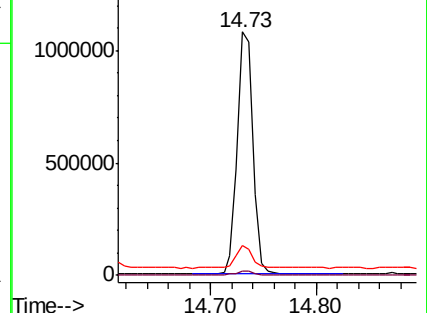
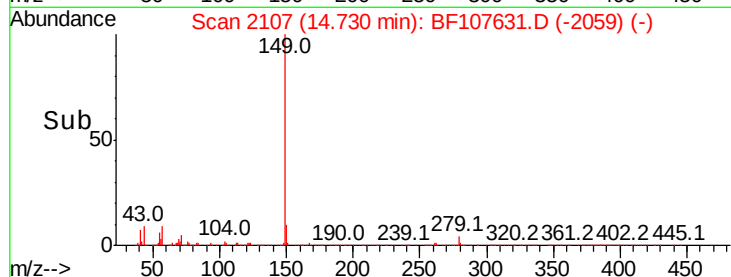
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#85

Indeno(1,2,3-cd)pyrene

Concen: 38.822 ng

RT: 17.28 min Scan# 2541

Delta R.T. 0.00 min

Lab File: BF107631.D

Acq: 24 Jul 2018 20:46

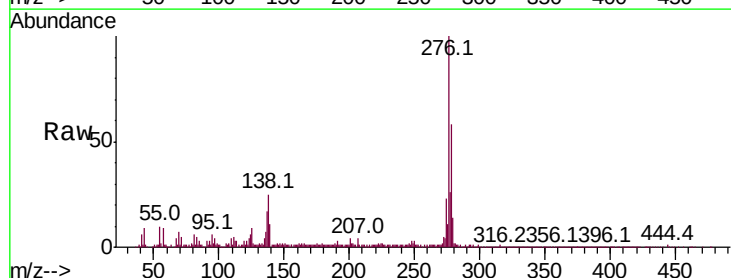
Tgt Ion:276 Resp: 789212

Ion Ratio Lower Upper

276 100

138 23.7 25.0 37.6#

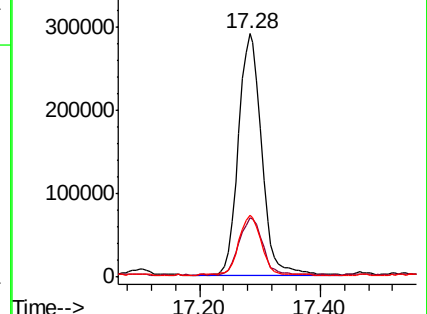
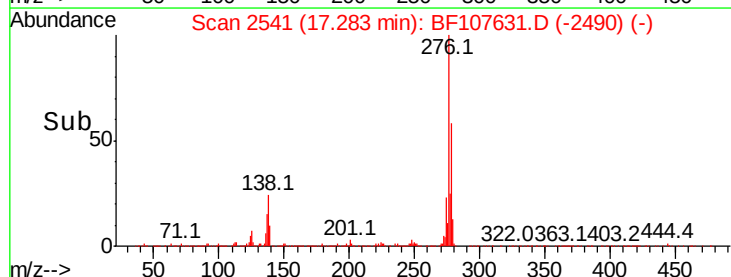
277 23.9 20.1 30.1

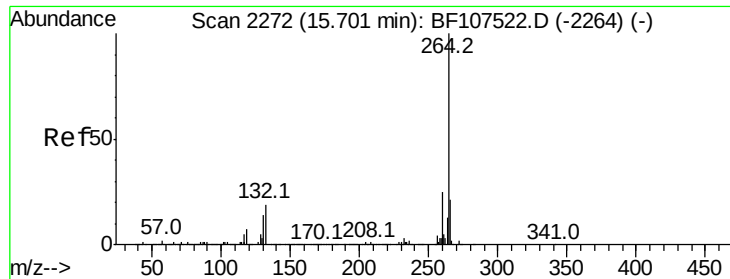


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





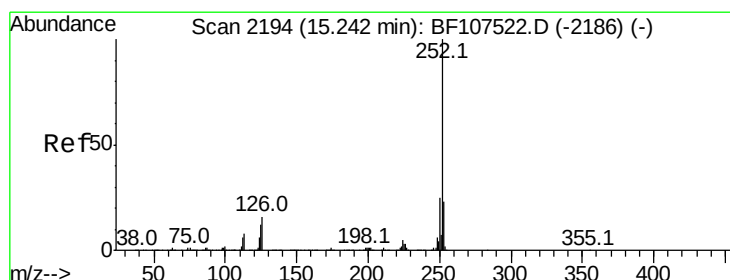
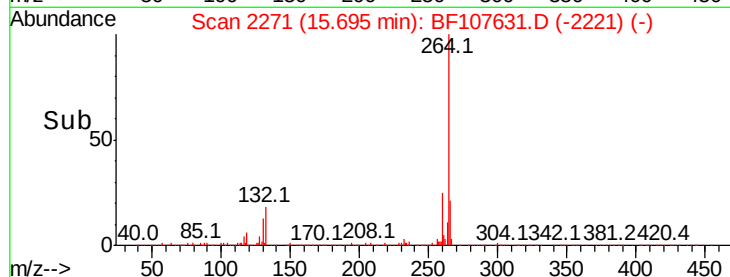
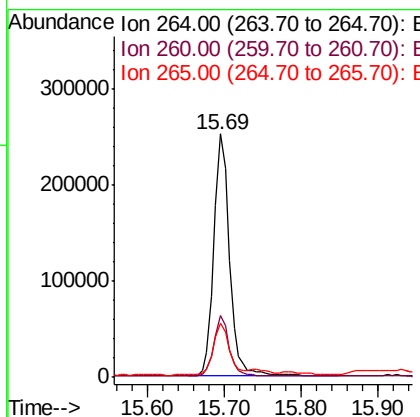
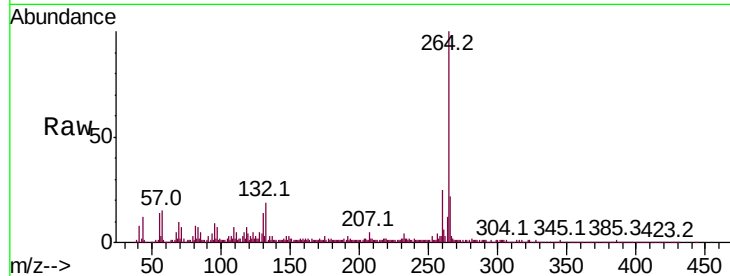
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.2	28.8
265	22.2	17.5	26.3

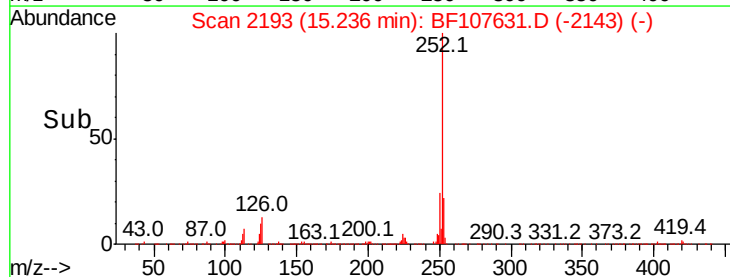
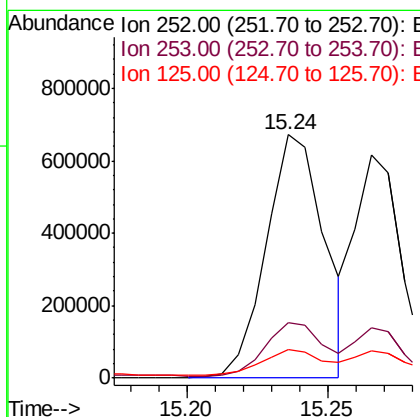
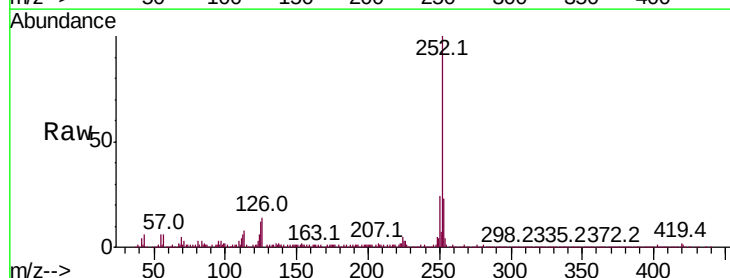
Manual Integrations
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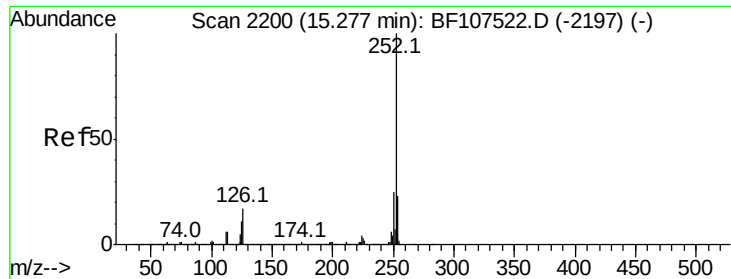
Sohil
7/25/2018 12:58:36 PM



#87
Benzo(b)fluoranthene
Concen: 49.413 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	11.8	9.0	13.6





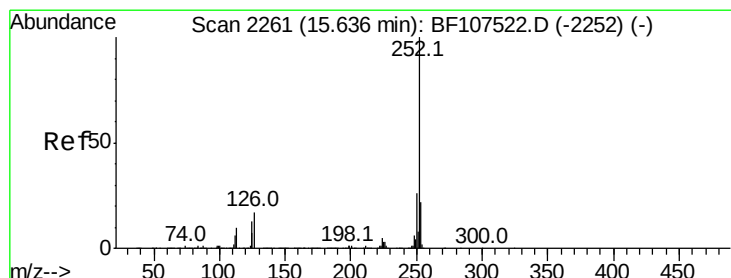
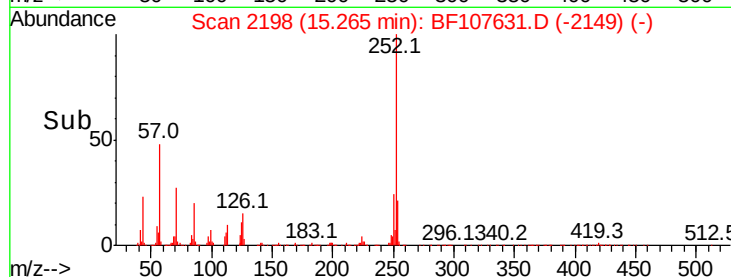
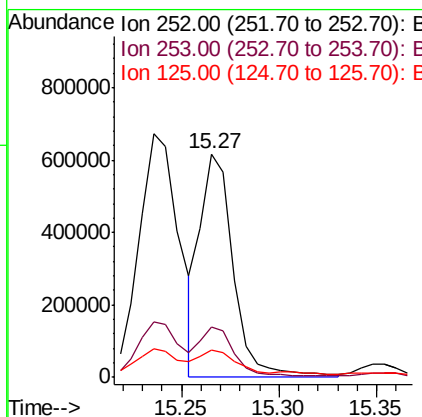
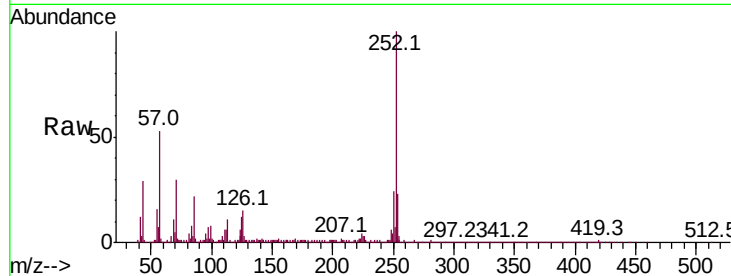
#88
Benzo(k)fluoranthene
Concen: 38.124 ng
RT: 15.27 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	12.1	10.2	15.2

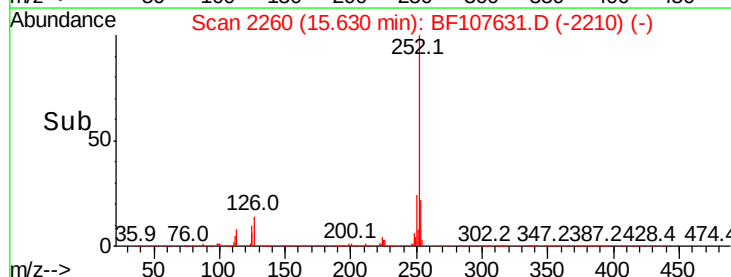
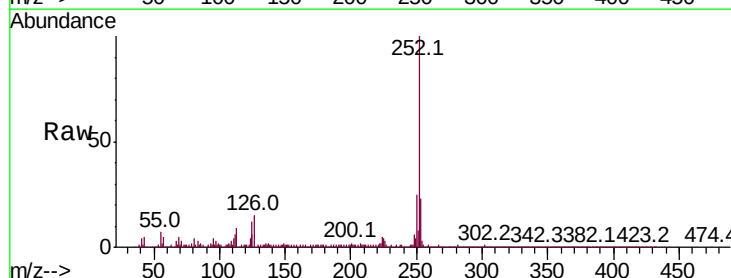
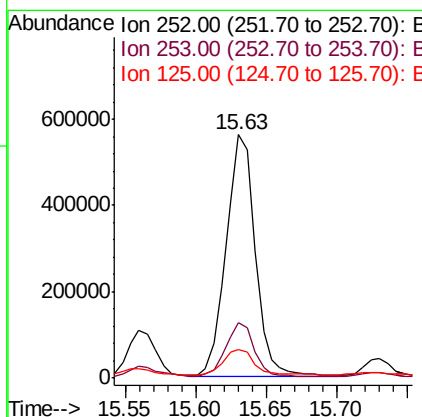
Manual Integrations
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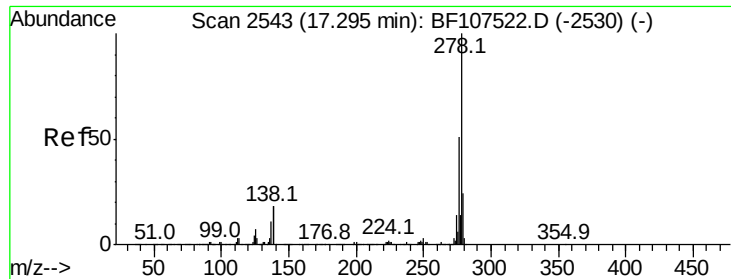
Sohil
7/25/2018 12:58:36 PM



#89
Benzo(a)pyrene
Concen: 45.930 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	11.8	9.8	14.6





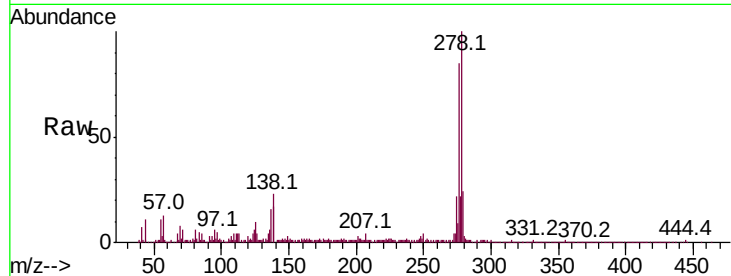
#90
Dibenzo(a,h)anthracene
Concen: 38.084 ng
RT: 17.29 min Scan# 2543
Delta R.T. 0.00 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03MS

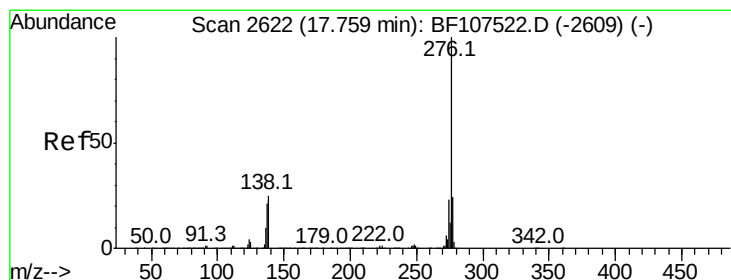
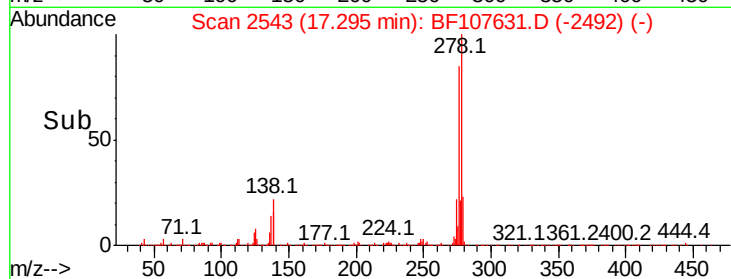
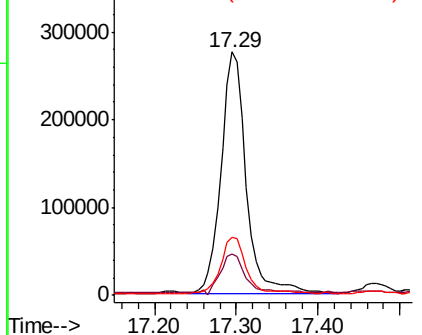
Tot Ion:278	Resp:	584352
Ion Ratio	Lower	Upper
278	100	
139	17.2	15.9 23.9
279	23.9	19.0 28.4

Manual Integrations
APPROVED

Sohil
7/25/2018 12:58:36 PM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 42.786 ng
RT: 17.77 min Scan# 2624
Delta R.T. 0.01 min
Lab File: BF107631.D
Acq: 24 Jul 2018 20:46

Tgt Ion:276	Resp:	647561
Ion Ratio	Lower	Upper
276	100	
277	24.6	17.9 26.9
138	21.1	21.8 32.8#

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

