

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107824.D
 Acq On : 31 Jul 2018 2:07
 Operator : JU/SJ
 Sample : J4210-01MS
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 TOPSOIL-072618MS

Manual Integrations
 APPROVED

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 7/31/2018 2:43:02 PM

Quant Time: Jul 31 05:02:08 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	175168	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	687640	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	266434	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	469001	20.00	ng	0.00
75) Chrysene-d12	14.15	240	435177	20.00	ng	0.00
86) Perylene-d12	15.69	264	325177	20.00	ng	0.00

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System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	898508	87.18	ng	0.01
7) Phenol-d6	6.61	99	1109946	81.71	ng	0.00
23) Nitrobenzene-d5	7.53	82	691722	57.95	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	247886	68.47	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1192081	62.35	ng	0.00
78) Terphenyl-d14	13.08	244	1091524	54.39	ng	0.00

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Target Compounds

						Qvalue
2) 1,4-Dioxane	2.85	88	101093	24.176	ng	# 81
3) Pyridine	3.65	79	204512	20.955	ng	87
4) n-Nitrosodimethylamine	3.62	42	61371	11.703	ng	93
6) Aniline	6.64	93	212889	15.068	ng	# 37
8) 2-Chlorophenol	6.75	128	336483	25.990	ng	91
9) Benzaldehyde	6.52	77	141090	17.215	ng	98
10) Phenol	6.62	94	393262	24.277	ng	91
11) bis(2-Chloroethyl)ether	6.70	93	287880	19.986	ng	96
12) 1,3-Dichlorobenzene	6.90	146	349384	25.730	ng	97
13) 1,4-Dichlorobenzene	6.98	146	384322	25.426	ng	99
14) 1,2-Dichlorobenzene	7.13	146	333547	23.772	ng	99
15) Benzyl Alcohol	7.11	79	226418	26.817	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.23	45	569699	27.509	ng	73
17) 2-Methylphenol	7.22	107	252053	26.373	ng	# 77
18) Hexachloroethane	7.47	117	109646	20.181	ng	95
19) n-Nitroso-di-n-propylamine	7.37	70	238591	27.689	ng	96
20) 3+4-Methylphenols	7.38	107	313772	26.741	ng	# 61
22) Acetophenone	7.37	105	485891	29.370	ng	# 94
24) Nitrobenzene	7.55	77	322425	25.761	ng	99
25) Isophorone	7.78	82	626671	31.985	ng	99
26) 2-Nitrophenol	7.87	139	147321	23.454	ng	96
27) 2,4-Dimethylphenol	7.90	122	247504	29.431	ng	97
28) bis(2-Chloroethoxy)methane	7.98	93	394137	30.525	ng	97
29) 2,4-Dichlorophenol	8.11	162	251412	26.430	ng	98
30) 1,2,4-Trichlorobenzene	8.18	180	288044	26.543	ng	99
31) Naphthalene	8.27	128	961704	30.087	ng	99
32) Benzoic acid	7.96	122	48005m	9.684	ng	
33) 4-Chloroaniline	8.33	127	169713	12.430	ng	95
34) Hexachlorobutadiene	8.37	225	169777	25.317	ng	99
35) Caprolactam	8.68	113	72350	25.265	ng	# 78
36) 4-Chloro-3-methylphenol	8.81	107	264812	25.633	ng	99
37) 2-Methylnaphthalene	8.96	142	607232	30.243	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.12	216	273295	30.085	ng	# 96
40) Hexachlorocyclopentadiene	9.10	237	8810	9.459	ng	97

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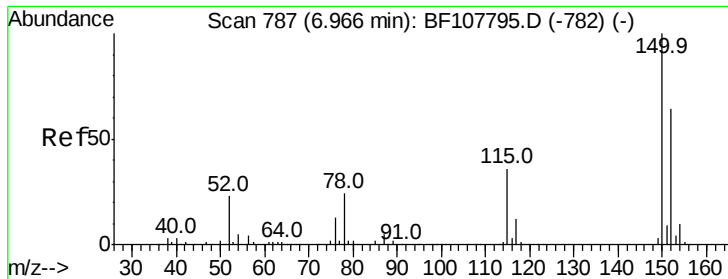
Manual Integrations
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Quant Time: Jul 31 05:02:08 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.24	196	152752	30.417	nq	98
43) 2,4,5-Trichlorophenol	9.30	196	167793	27.754	nq	94
45) 1,1'-Biphenyl	9.42	154	749134	30.896	nq	99
46) 2-Chloronaphthalene	9.45	162	523692	28.641	nq	97
47) 2-Nitroaniline	9.56	65	181030	30.438	nq	91
48) Acenaphthylene	9.87	152	836860	29.522	nq	100
49) Dimethylphthalate	9.71	163	684259	34.197	nq	99
50) 2,6-Dinitrotoluene	9.79	165	111726	25.693	nq	91
51) Acenaphthene	10.04	154	473407	28.750	nq	99
52) 3-Nitroaniline	9.98	138	129110	23.562	nq	96
53) 2,4-Dinitrophenol	10.13	184	413	8.601	nq	# 1
54) Dibenzofuran	10.21	168	695816	27.339	nq	99
55) 4-Nitrophenol	10.17	139	73231	34.403	nq	89
56) 2,4-Dinitrotoluene	10.20	165	127367	22.285	nq	# 89
57) Fluorene	10.55	166	529521	26.771	nq	92
58) 2,3,4,6-Tetrachlorophenol	10.34	232	137329	24.731	nq	# 83
59) Diethylphthalate	10.41	149	610196	28.363	nq	98
60) 4-Chlorophenyl-phenylether	10.54	204	266881	24.768	nq	91
61) 4-Nitroaniline	10.60	138	125099	25.726	nq	95
62) Azobenzene	10.70	77	527887	26.346	nq	97
65) n-Nitrosodiphenylamine	10.67	169	464807	30.098	nq	99
66) 4-Bromophenyl-phenylether	11.04	248	145443	26.606	nq	# 86
67) Hexachlorobenzene	11.10	284	156378	25.797	nq	# 91
68) Atrazine	11.18	200	134591	29.447	nq	98
69) Pentachlorophenol	11.31	266	121870	40.840	nq	97
70) Phenanthrene	11.52	178	655654	29.442	nq	98
71) Anthracene	11.58	178	758084	29.513	nq	100
72) Carbazole	11.74	167	707037	27.854	nq	98
73) Di-n-butylphthalate	12.04	149	842796	30.434	nq	99
74) Fluoranthene	12.72	202	791356	30.248	nq	98
76) Benzidine	12.85	184	169006	12.011	nq	98
77) Pyrene	12.95	202	795551	25.387	nq	98
79) Butylbenzylphthalate	13.55	149	358727	26.141	nq	96
80) Benzo(a)anthracene	14.14	228	691144	28.037	nq	99
81) 3,3'-Dichlorobenzidine	14.10	252	242627	25.390	nq	99
82) Chrysene	14.18	228	752892	28.316	nq	100
83) Bis(2-ethylhexyl)phthalate	14.09	149	502302	29.117	nq	99
84) Di-n-octyl phthalate	14.72	149	912157	32.942	nq	99
85) Indeno(1,2,3-cd)pyrene	17.27	276	458697	22.681	nq	96
87) Benzo(b)fluoranthene	15.23	252	498165	31.062	nq	98
88) Benzo(k)fluoranthene	15.26	252	600585	30.502	nq	98
89) Benzo(a)pyrene	15.62	252	476590	28.786	nq	99
90) Dibenzo(a,h)anthracene	17.28	278	386497	26.762	nq	98
91) Benzo(g,h,i)perylene	17.75	276	367690	26.312	nq	94

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



#1

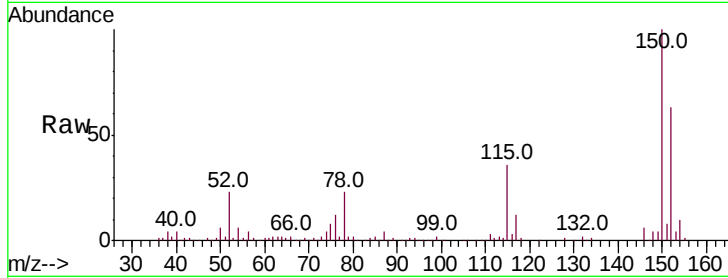
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.6	186.8
115	57.4	50.1	75.1

Manual Integrations
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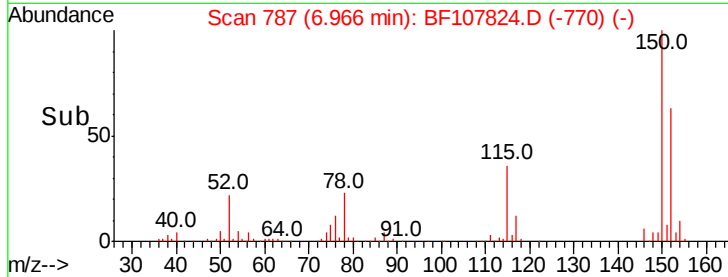
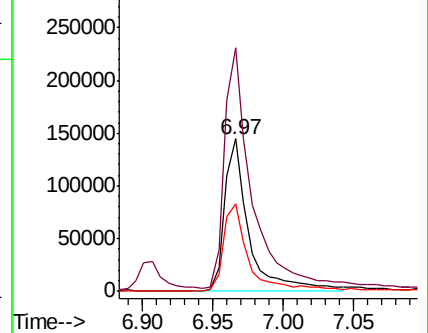


Abundance

Ion 152.00 (151.70 to 152.70): E

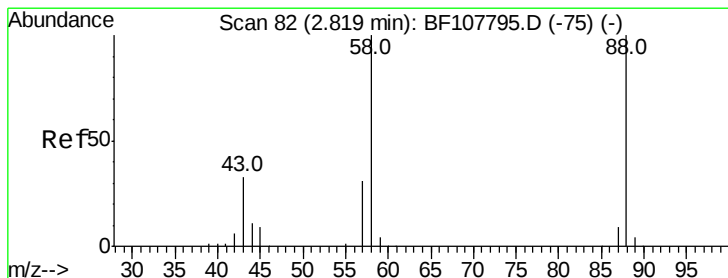
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



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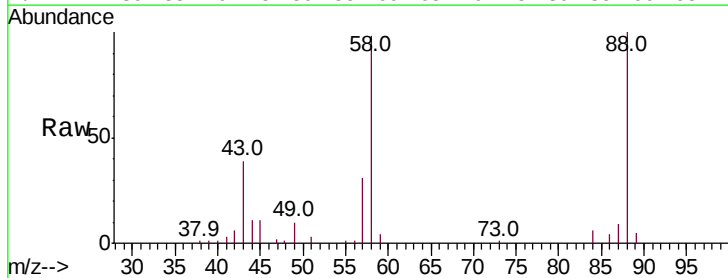
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#2

1,4-Dioxane
Concen: 24.176 ng
RT: 2.85 min Scan# 88
Delta R.T. 0.04 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Lower	Upper
88	100		
58	101.0	62.6	93.8#
43	30.9	24.6	37.0

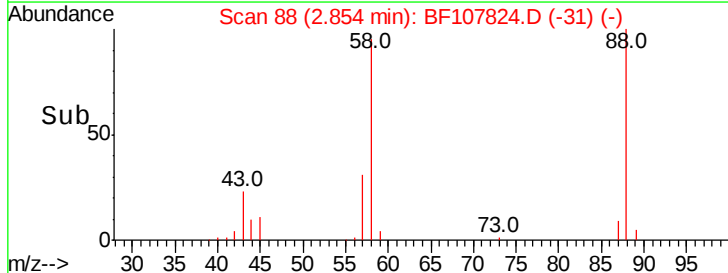
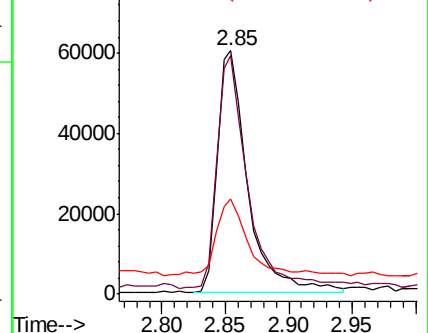


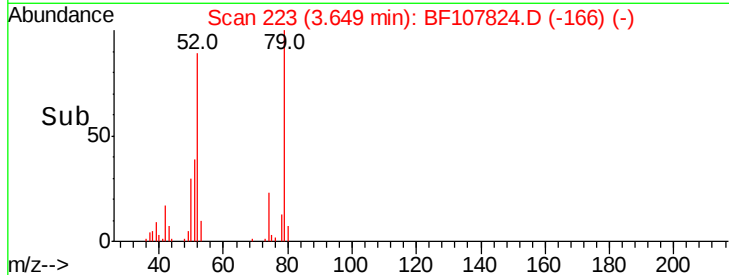
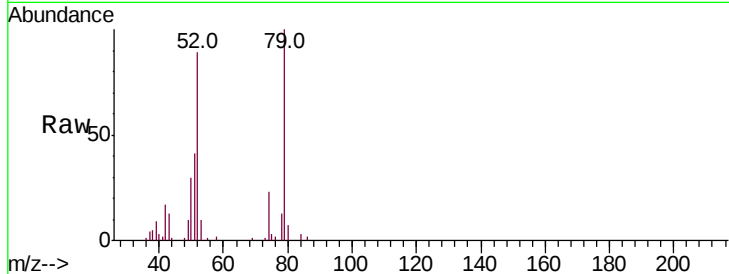
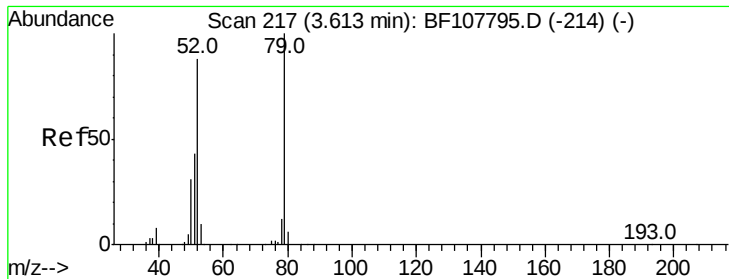
Abundance

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





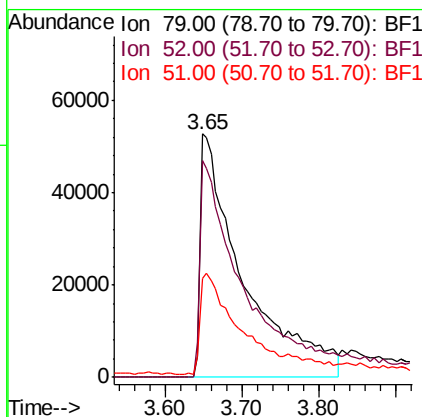
#3
Pvridine
Concen: 20.955 ng
RT: 3.65 min Scan# 223
Delta R.T. 0.04 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tot Ion	79	Resp	204512
Ion Ratio	Lower	Upper	
79	100		
52	88.8	59.8	89.6
51	40.8	29.8	44.8

Instrument :
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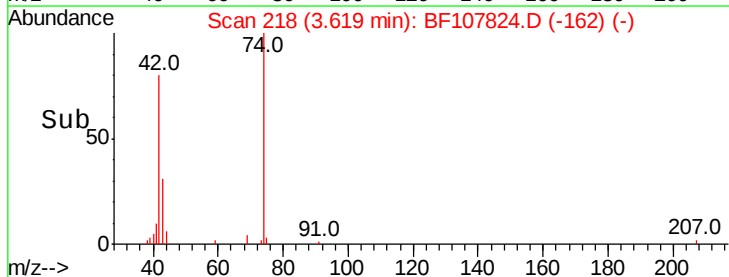
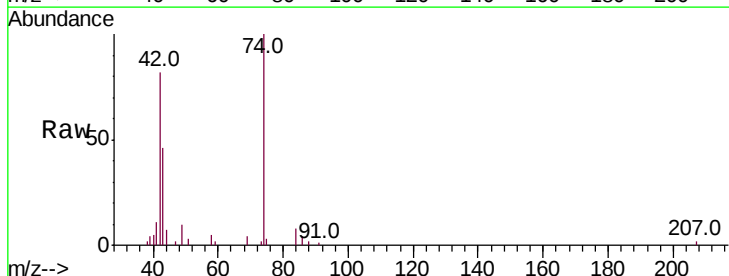
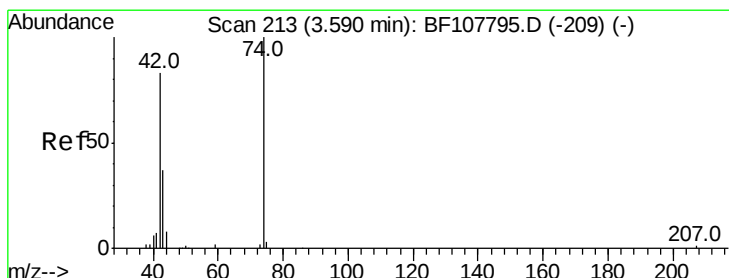
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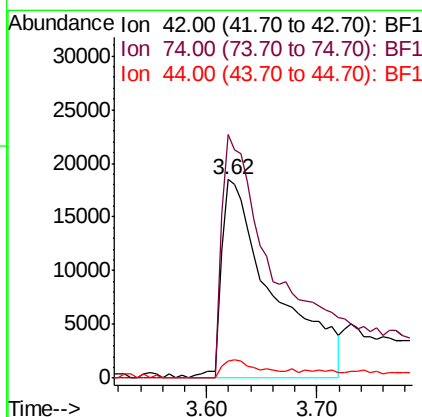
Sohil

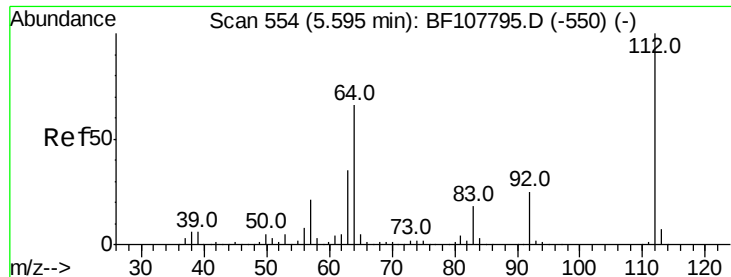
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#4
n-Nitrosodimethylamine
Concen: 11.703 ng
RT: 3.62 min Scan# 218
Delta R.T. 0.03 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion	42	Resp	61371
Ion Ratio	Lower	Upper	
42	100		
74	122.5	104.9	157.3
44	8.9	6.9	10.3





#5

2-Fluorophenol

Concen: 87.177 ng

RT: 5.61 min Scan# 556

Delta R.T. 0.01 min

Lab File: BF107824.D

Acq: 31 Jul 2018 2:07

Instrument :

BNA_F

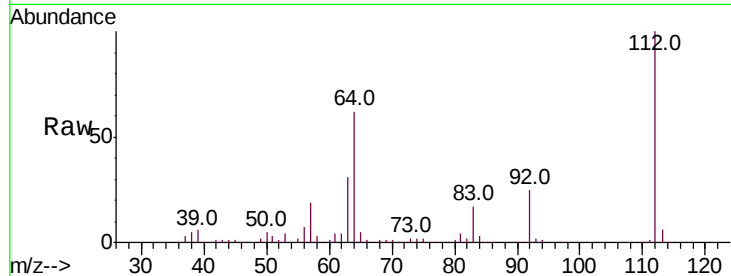
ClientSampleId :

TOPSOIL-072618MS

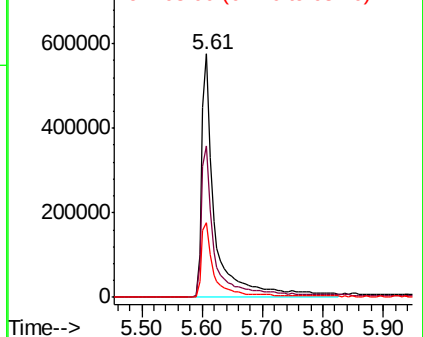
Tot Ion:	112	Resp:	898508
Ion Ratio	Lower	Upper	
112	100		
64	62.5	47.9	71.9
63	30.9	23.7	35.5

Manual Integrations
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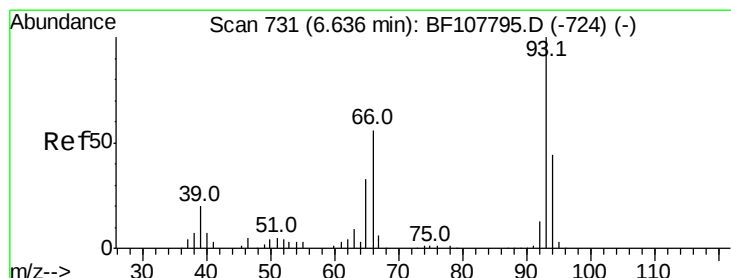
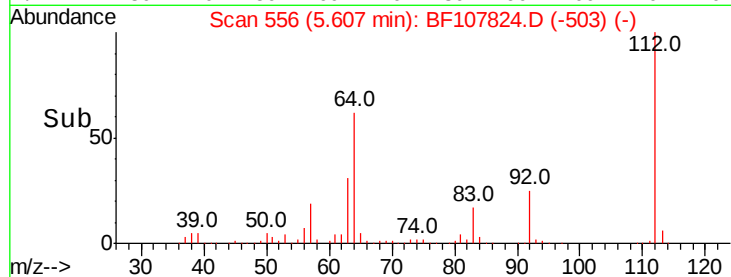


Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



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#6

Aniline

Concen: 15.068 ng

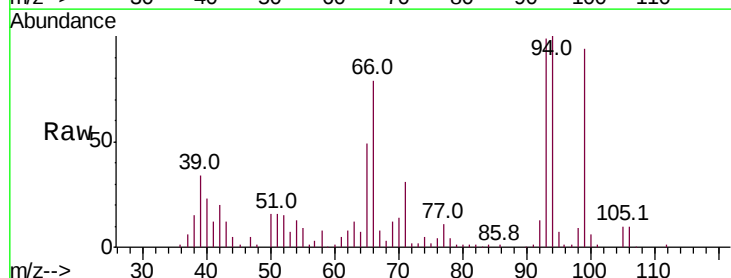
RT: 6.64 min Scan# 731

Delta R.T. 0.00 min

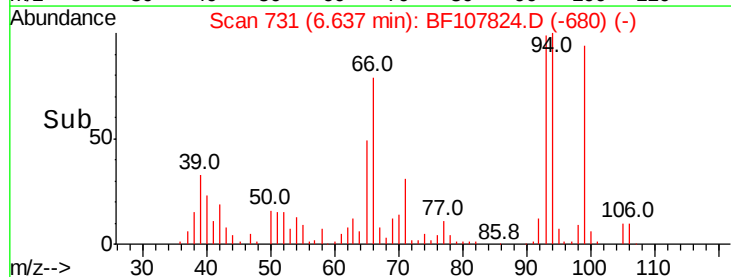
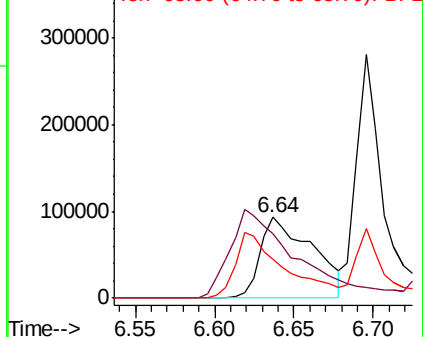
Lab File: BF107824.D

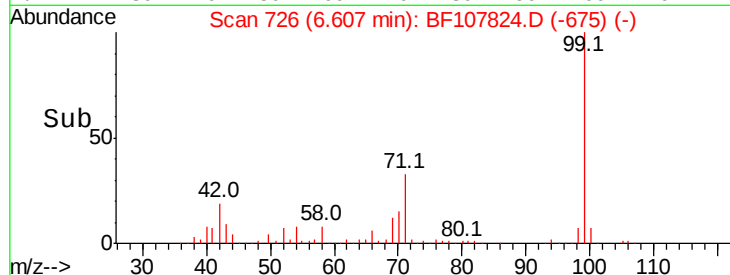
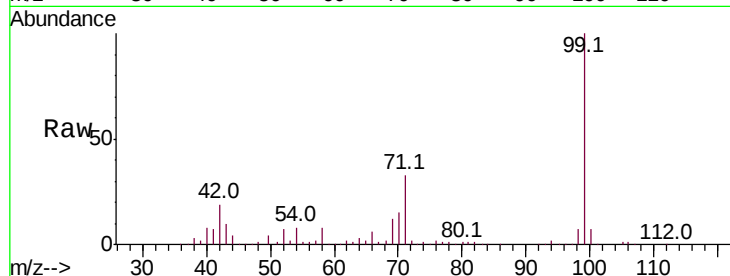
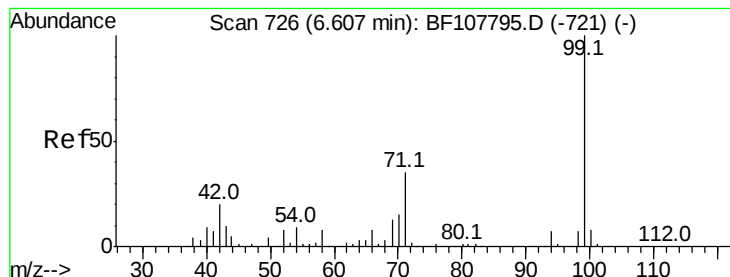
Acq: 31 Jul 2018 2:07

Tgt Ion:	93	Resp:	212889
Ion Ratio	Lower	Upper	
93	100		
66	80.0	32.2	48.2#
65	48.8	16.4	24.6#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 81.712 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF107824.D

Acq: 31 Jul 2018 2:07

Tot Ion: 99 Resp: 1109946

Ion Ratio Lower Upper

99 100

42 18.6 14.5 21.7

71 32.9 25.4 38.0

Instrument :

BNA_F

ClientSampleId :

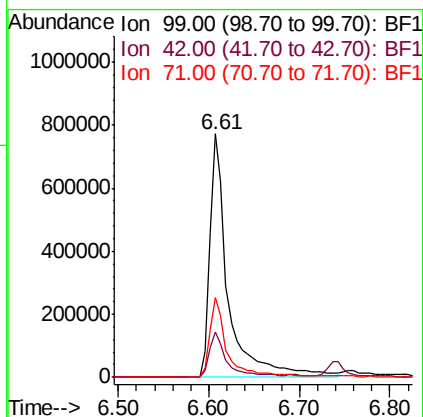
TOPSOIL-072618MS

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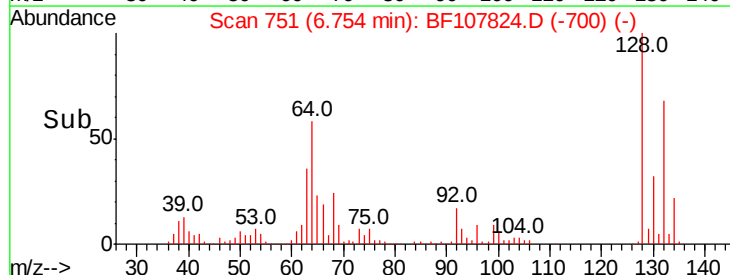
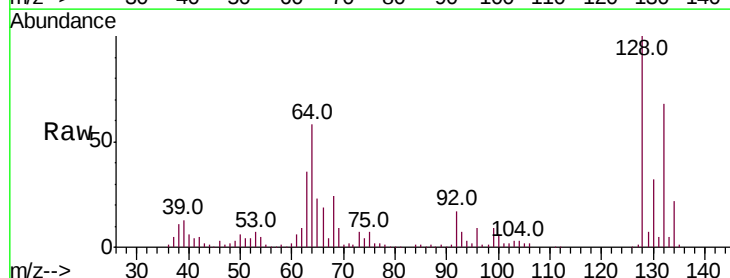
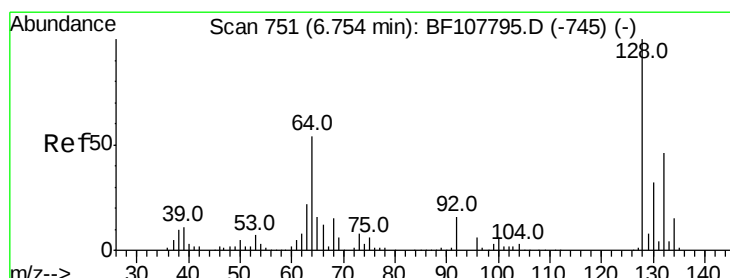
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#8

2-Chlorophenol

Concen: 25.990 ng

RT: 6.75 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF107824.D

Acq: 31 Jul 2018 2:07

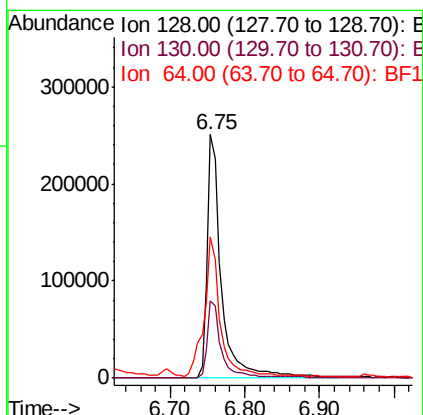
Tgt Ion:128 Resp: 336483

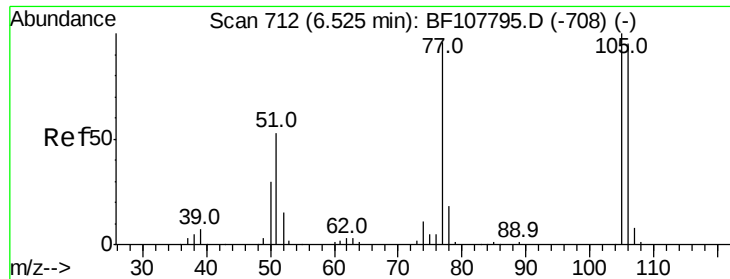
Ion Ratio Lower Upper

128 100

130 31.5 13.0 53.0

64 58.0 29.4 69.4





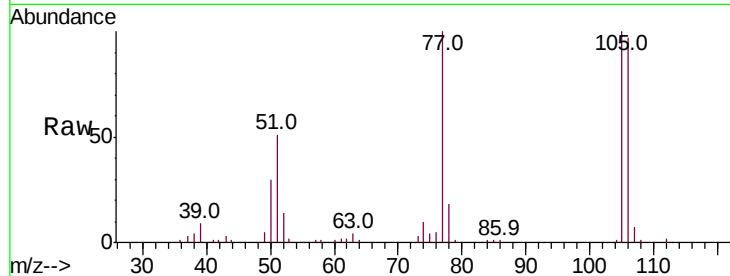
#9
Benzaldehyde
Concen: 17.215 ng
RT: 6.52 min Scan# 712
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion	Ratio	Lower	Upper
77	100		
105	100.3	81.1	121.1
106	97.0	74.5	114.5

Manual Integrations
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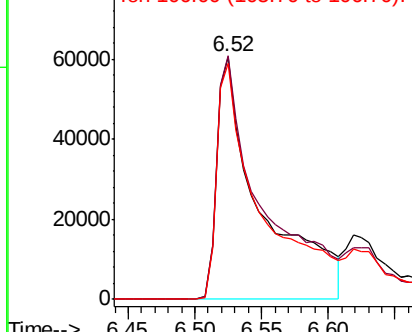


Abundance

Ion 77.00 (76.70 to 77.70): BF1

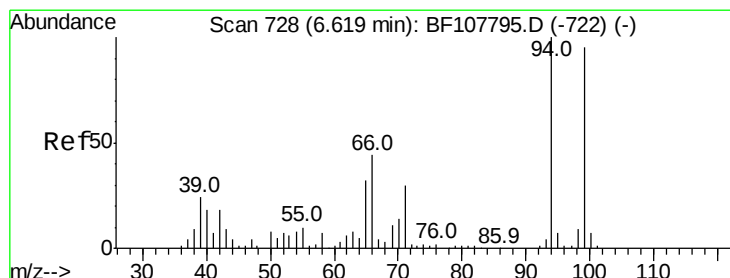
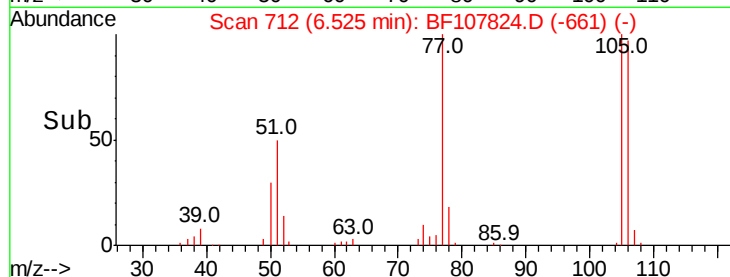
Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



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#10
Phenol
Concen: 24.277 ng
RT: 6.62 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

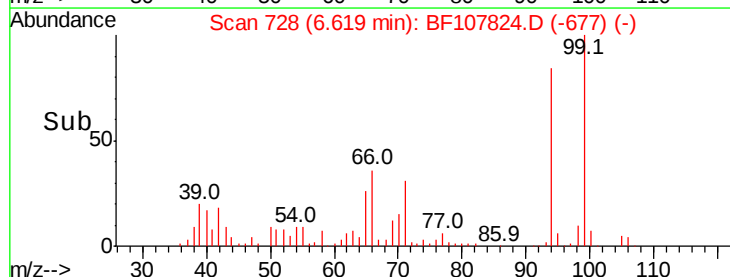
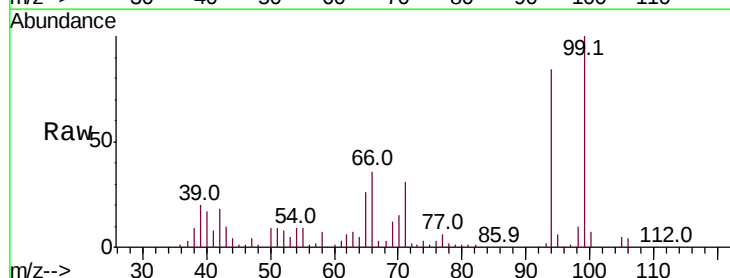
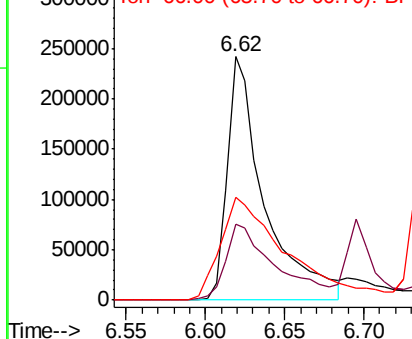
Tgt Ion	Ratio	Lower	Upper
94	100		
65	31.3	7.9	47.9
66	42.3	16.2	56.2

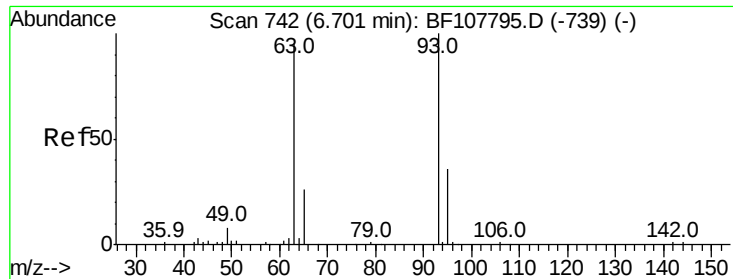
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





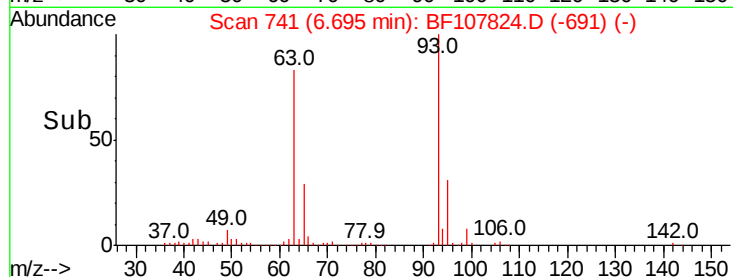
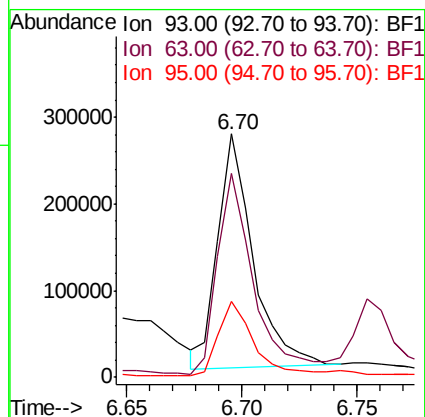
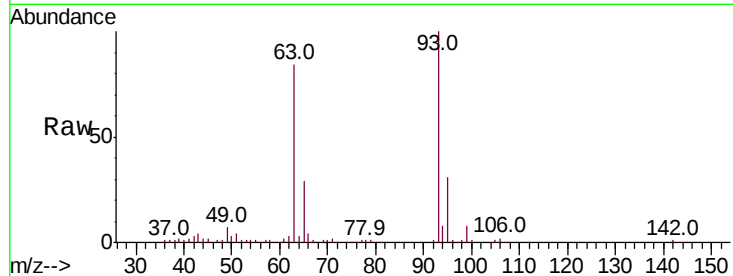
#11
bis(2-Chloroethyl)ether
Concen: 19.986 ng
RT: 6.70 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion:	93	Resp:	287880
Ion Ratio	Lower	Upper	
93	100		
63	83.6	58.6	98.6
95	31.3	11.8	51.8

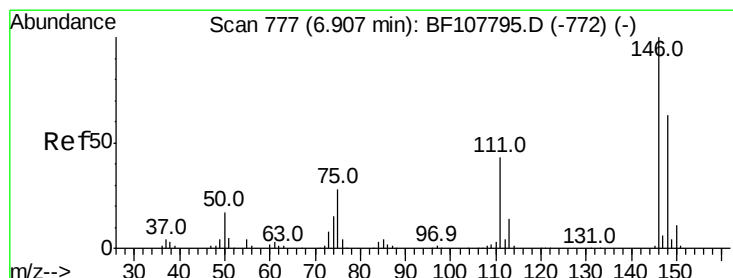
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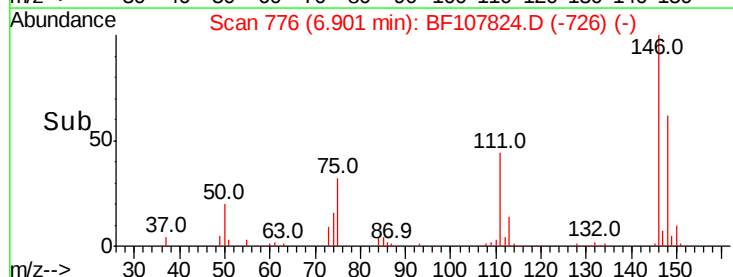
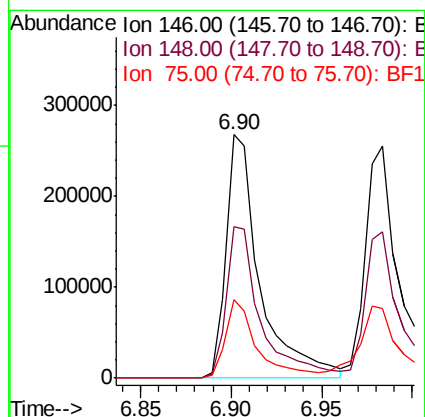
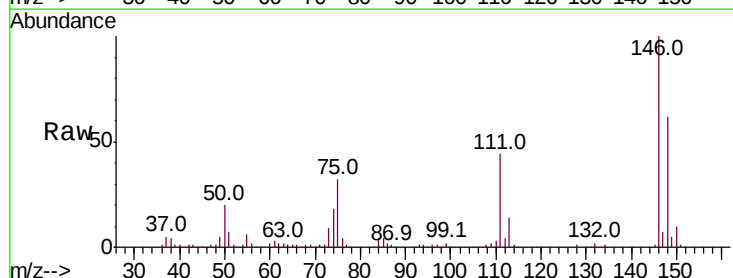
Sohil

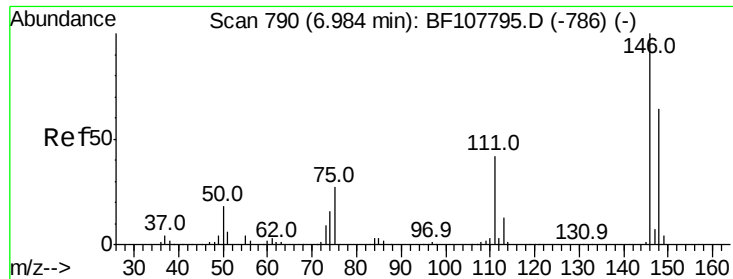
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#12
1,3-Dichlorobenzene
Concen: 25.730 ng
RT: 6.90 min Scan# 776
Delta R.T. -0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion:	146	Resp:	349384
Ion Ratio	Lower	Upper	
146	100		
148	62.1	51.8	77.8
75	32.0	24.2	36.4





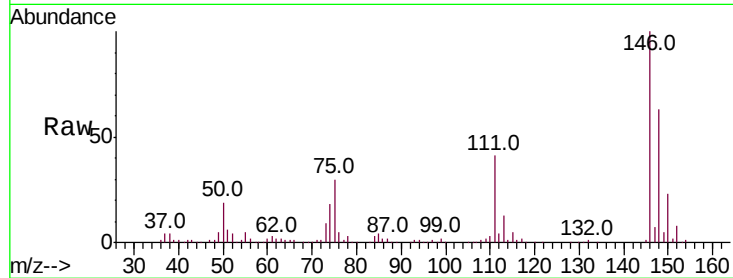
#13
1,4-Dichlorobenzene
Concen: 25.426 ng
RT: 6.98 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.8	76.2
111	41.4	34.2	51.2

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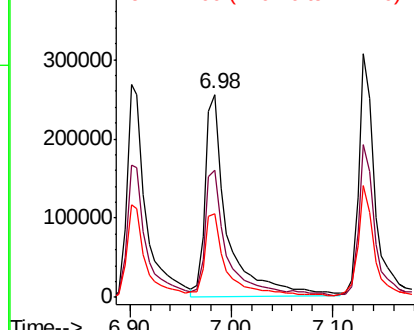


Abundance

Ion 146.00 (145.70 to 146.70): E

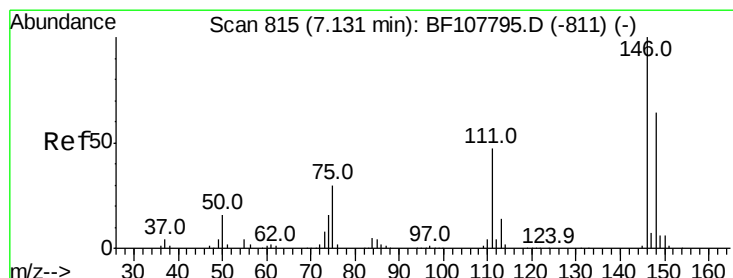
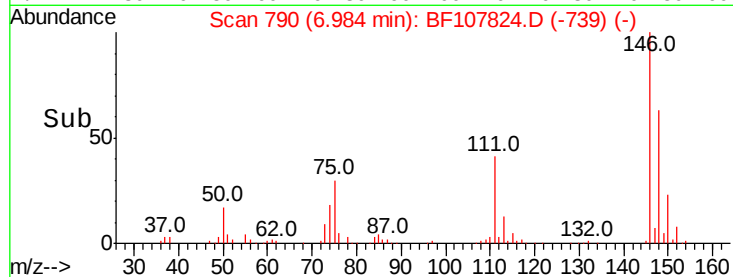
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



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#14
1,2-Dichlorobenzene
Concen: 23.772 ng
RT: 7.13 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

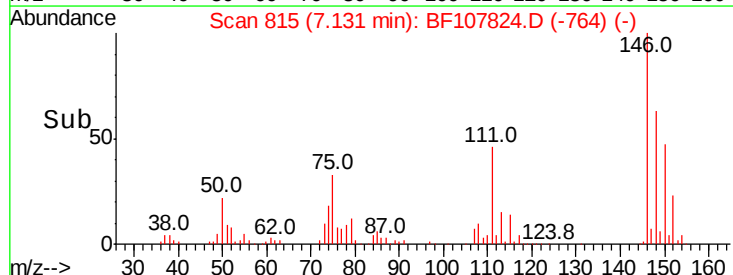
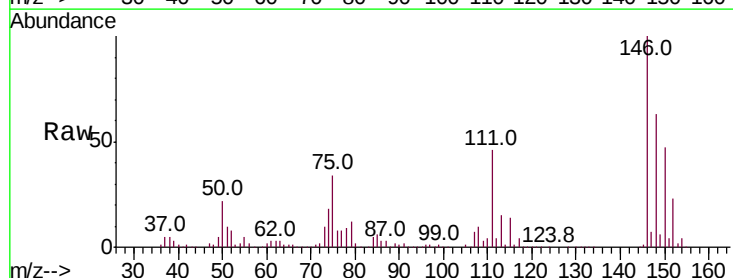
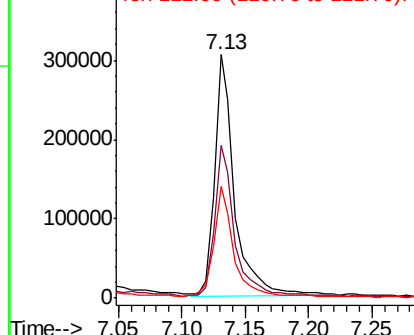
Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.5	50.6	75.8
111	46.0	36.0	54.0

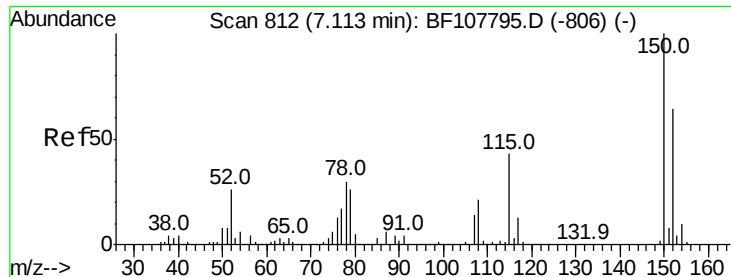
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 26.817 ng

RT: 7.11 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF107824.D

Acq: 31 Jul 2018 2:07

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-072618MS

Tot Ion: 79 Resp: 226418

Ion Ratio Lower Upper

79 100

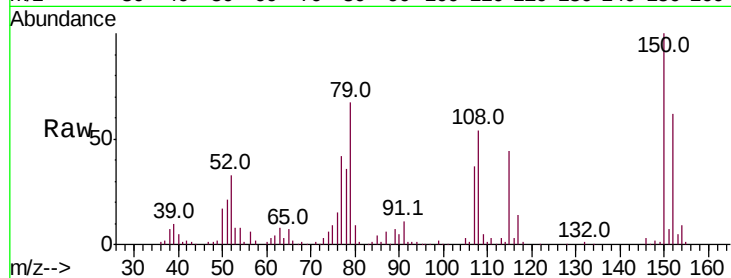
108 80.3 65.1 97.7

77 62.5 50.6 75.8

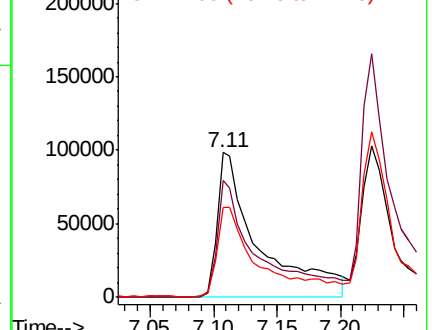
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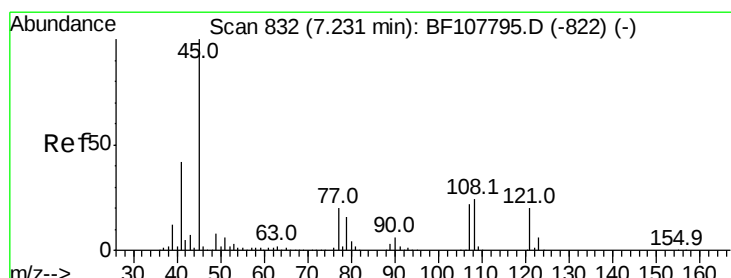
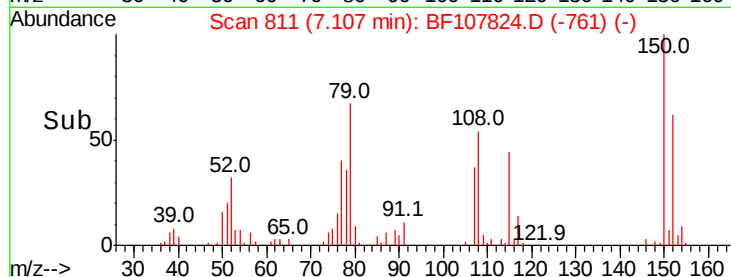


Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1



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#16

2,2'-oxybis(1-chloropropane)

Concen: 27.509 ng

RT: 7.23 min Scan# 832

Delta R.T. 0.00 min

Lab File: BF107824.D

Acq: 31 Jul 2018 2:07

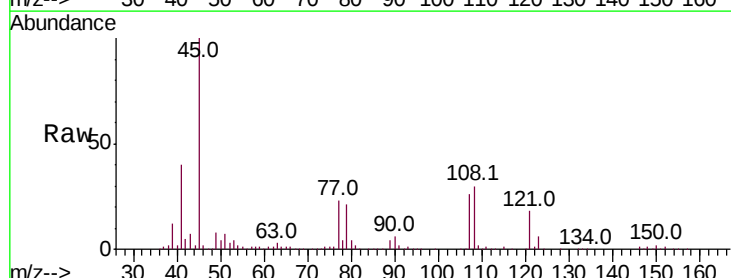
Tgt Ion: 45 Resp: 569699

Ion Ratio Lower Upper

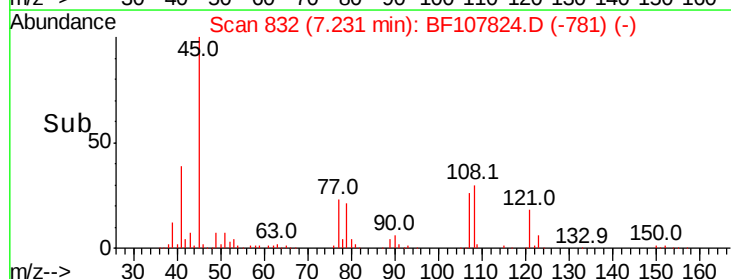
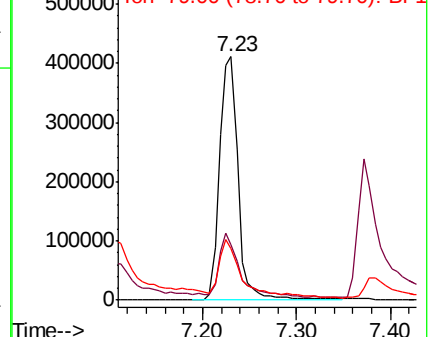
45 100

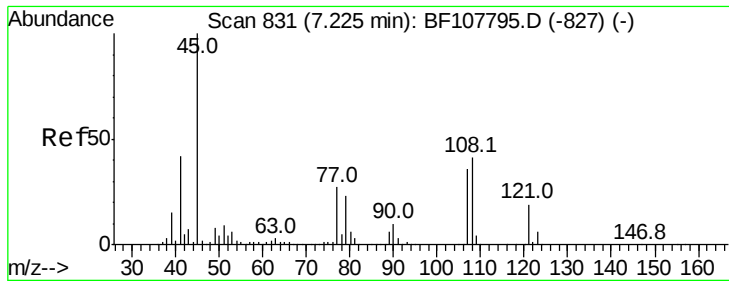
77 22.8 0.0 32.9

79 20.9 0.0 29.6



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





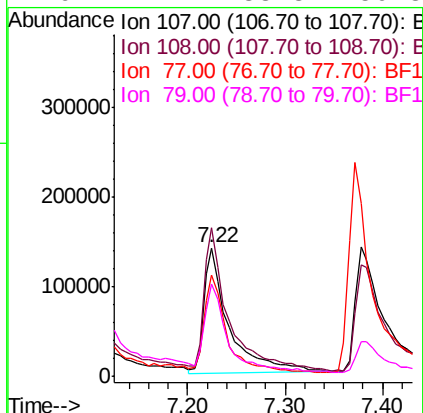
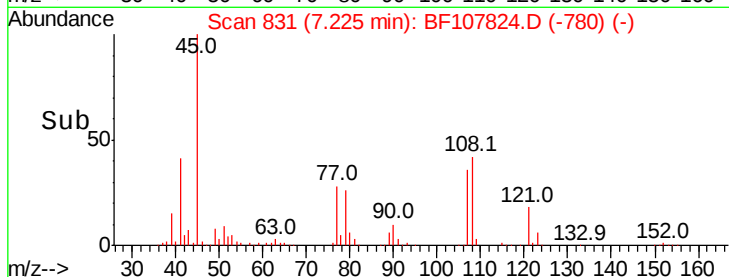
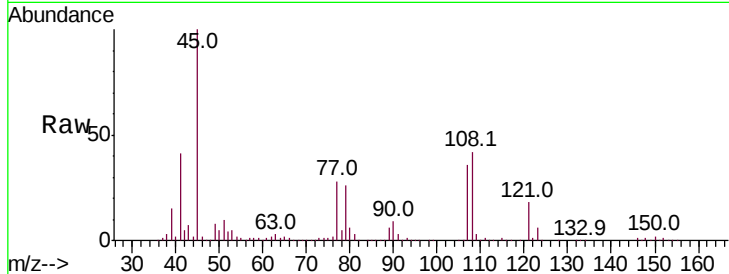
#17
2-Methylphenol
Concen: 26.373 ng
RT: 7.22 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion	Ratio	Lower	Upper
107	100		
108	115.7	91.7	137.5
77	78.7	33.8	50.8#
79	72.1	33.8	50.8#

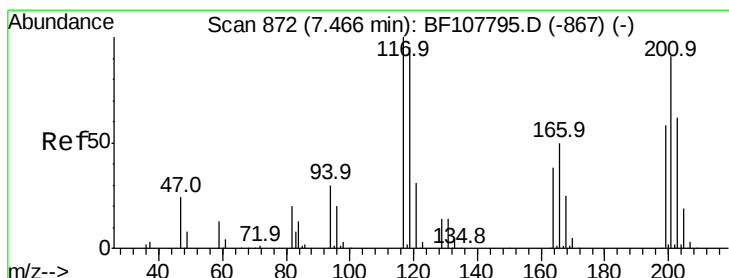
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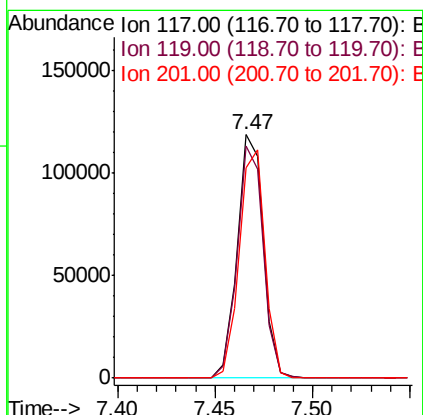
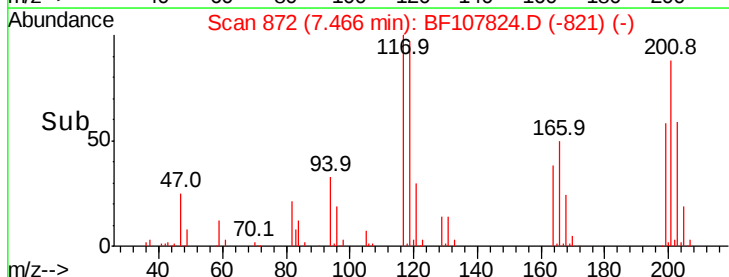
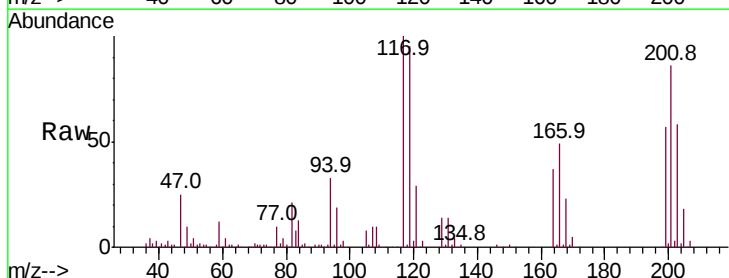
Sohil

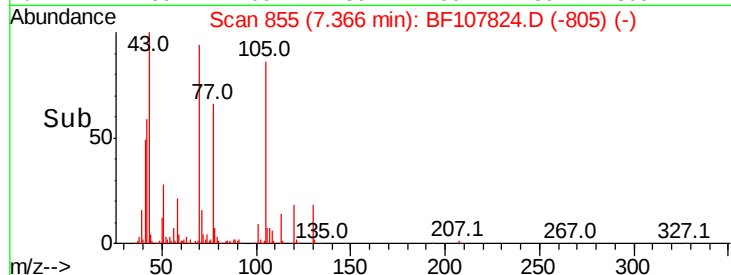
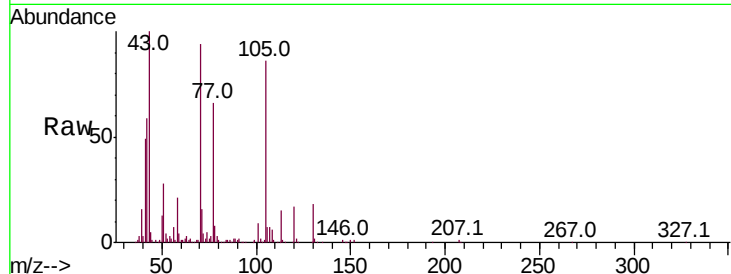
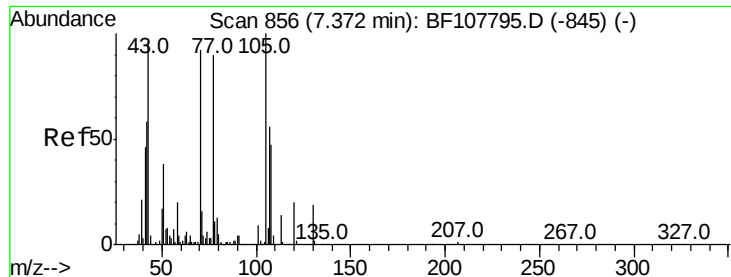
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#18
Hexachloroethane
Concen: 20.181 ng
RT: 7.47 min Scan# 872
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.8	113.8
201	86.5	75.7	113.5





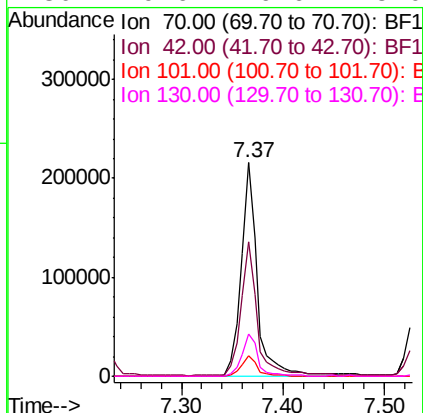
#19
n-Nitroso-di-n-propylamine
Concen: 27.689 ng
RT: 7.37 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

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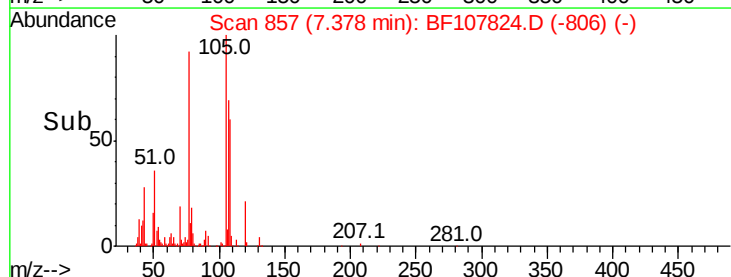
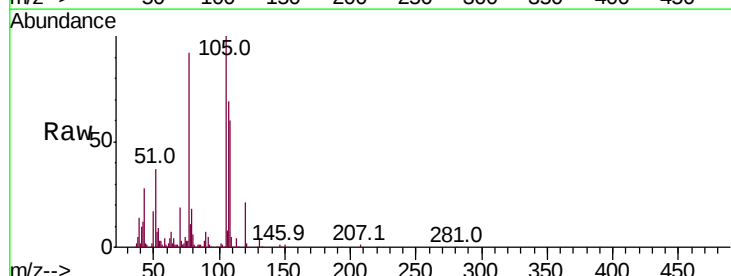
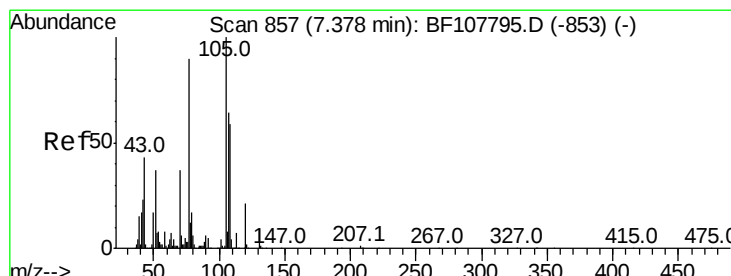
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Tot Ion	Ratio	Lower	Upper
70	100		
42	62.7	47.5	71.3
101	9.9	7.4	11.2
130	19.6	16.6	25.0



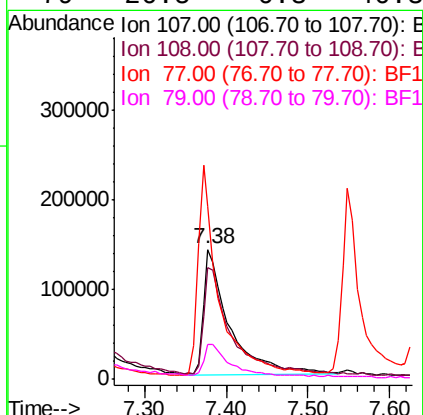
Sohil

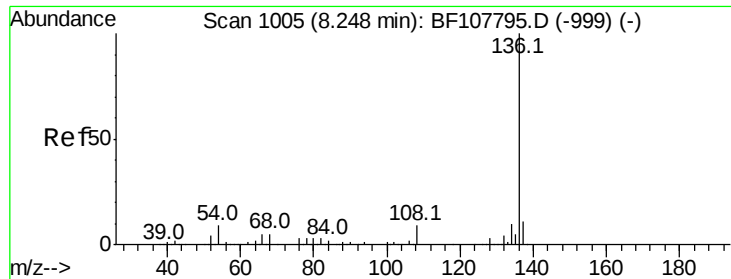
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#20
3+4-Methylphenols
Concen: 26.741 ng
RT: 7.38 min Scan# 857
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.1	68.2	108.2
77	133.5	26.7	66.7#
79	26.5	6.3	46.3





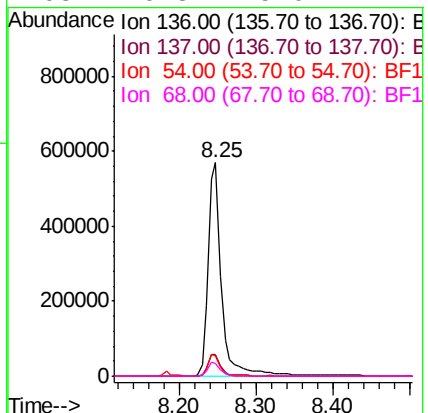
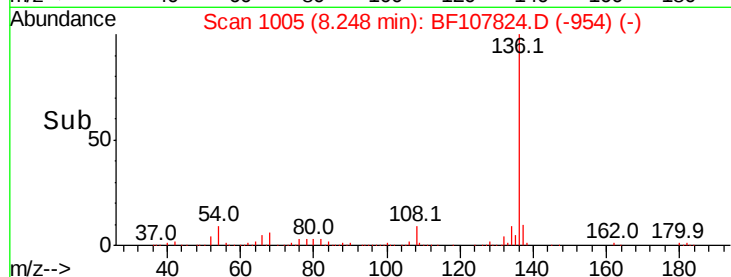
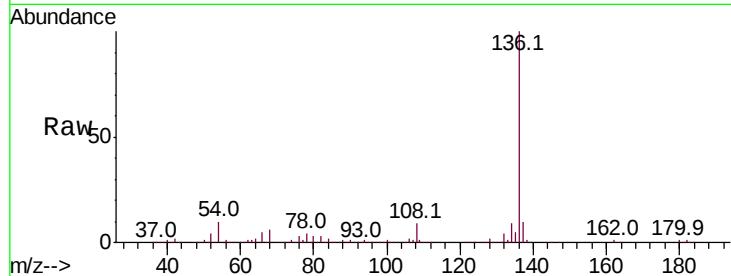
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	687640		
137	10.5	8.9	13.3	
54	9.5	6.6	9.8	
68	6.3	5.0	7.4	

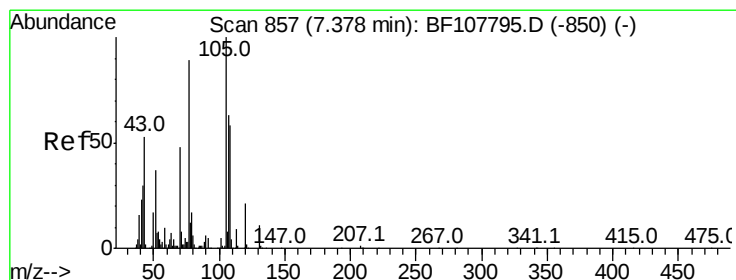
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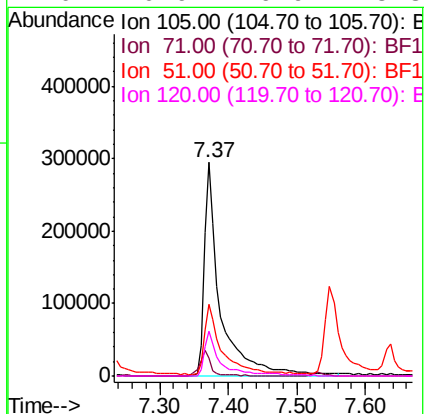
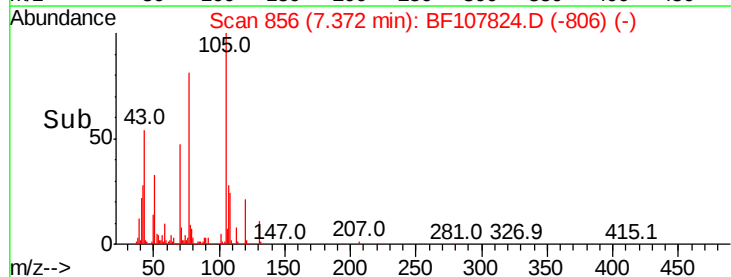
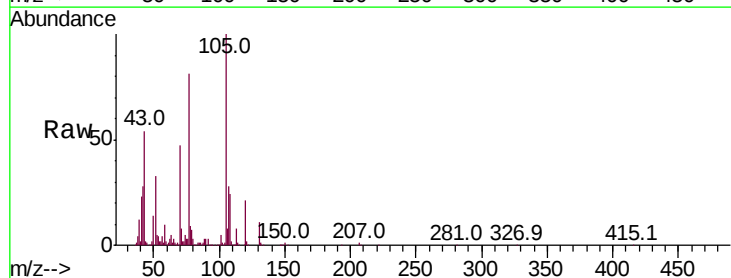
Sohil

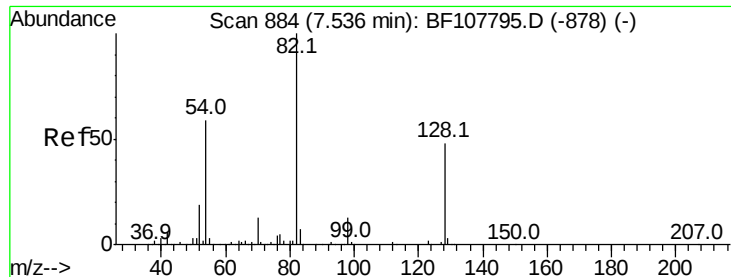
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#22
Acetophenone
Concen: 29.370 ng
RT: 7.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	485891		
71	8.2	4.4	6.6#	
51	33.3	22.3	33.5	
120	20.9	16.9	25.3	





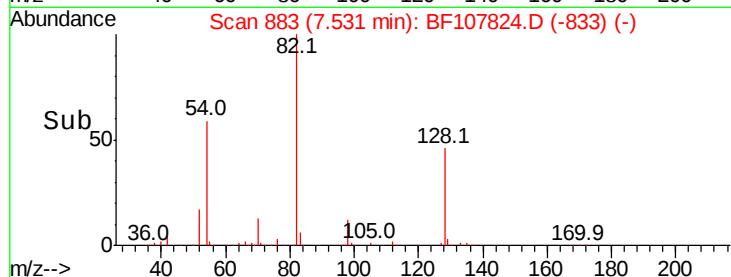
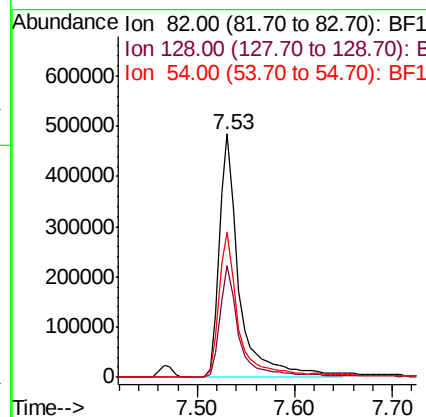
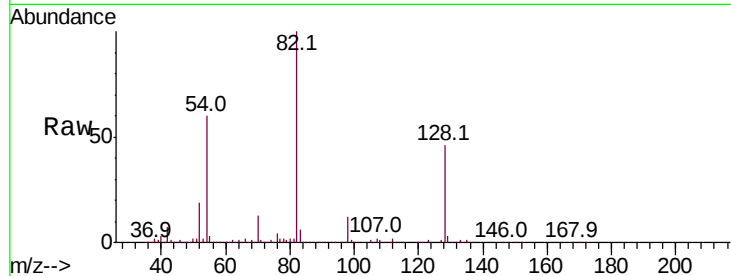
#23
Nitrobenzene-d5
Concen: 57.952 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.1	54.1
54	59.8	41.4	62.2

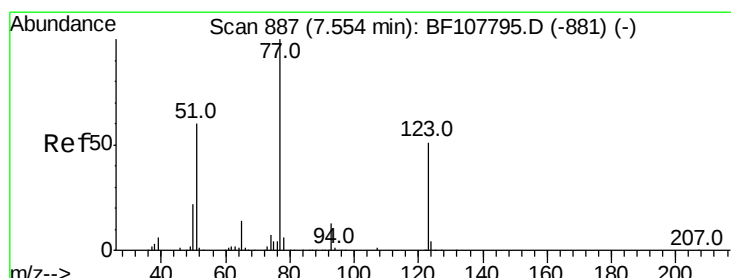
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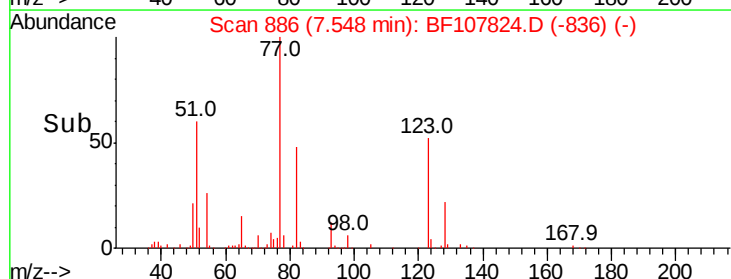
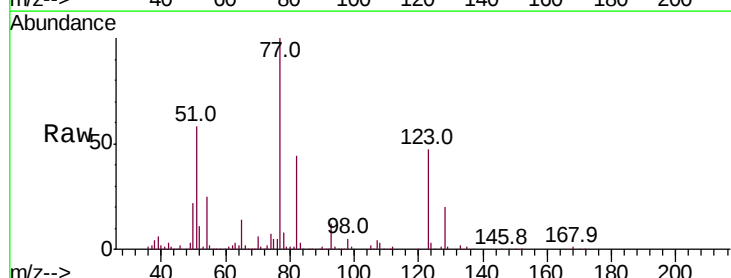
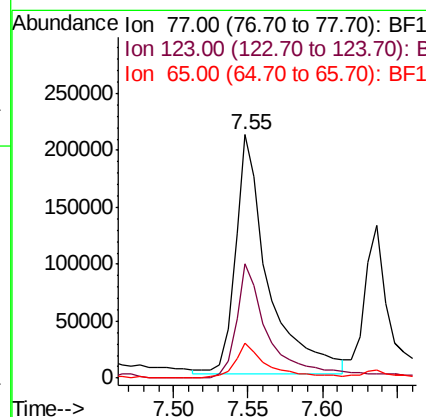
Sohil

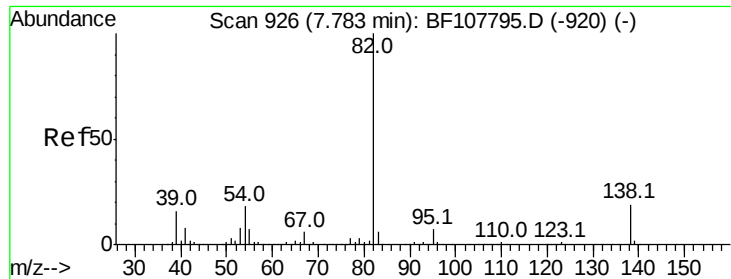
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#24
Nitrobenzene
Concen: 25.761 ng
RT: 7.55 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.0	37.9	56.9
65	14.2	11.0	16.4





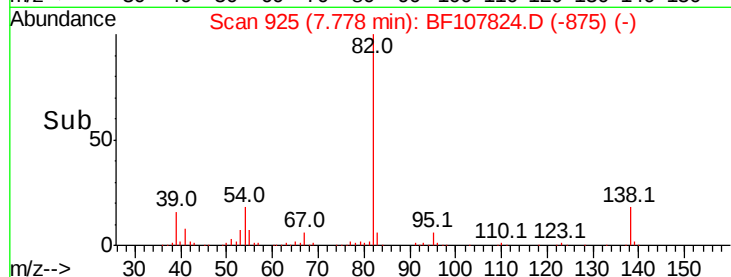
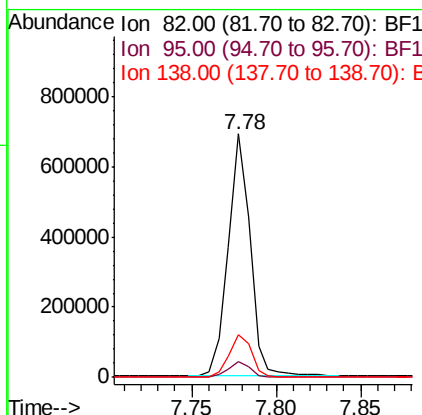
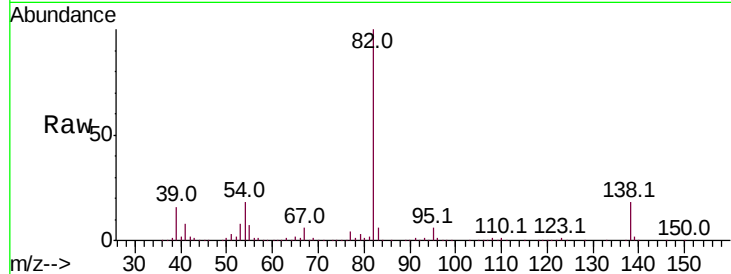
#25
Isophorone
Concen: 31.985 ng
RT: 7.78 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	6.5	5.2	7.8	
138	17.8	14.9	22.3	

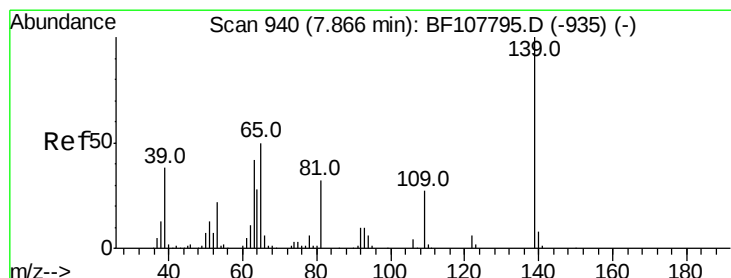
Manual Integrations
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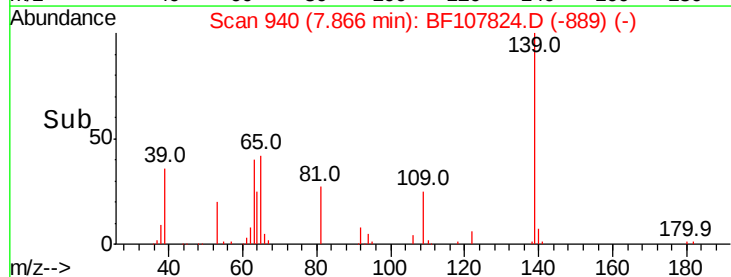
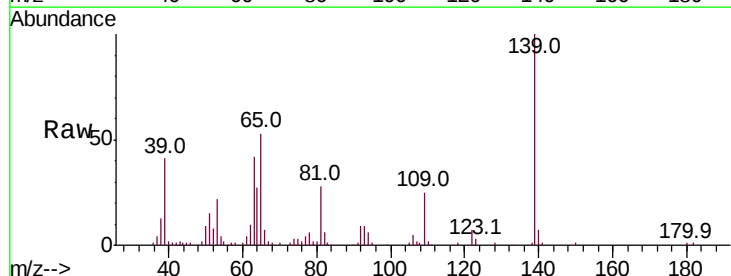
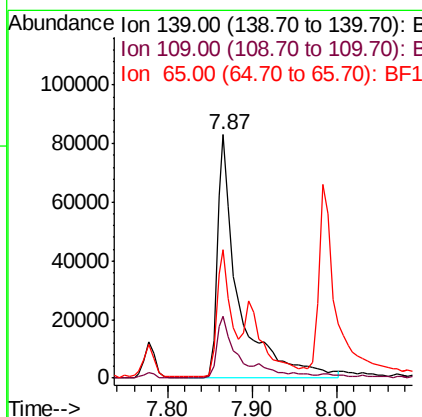
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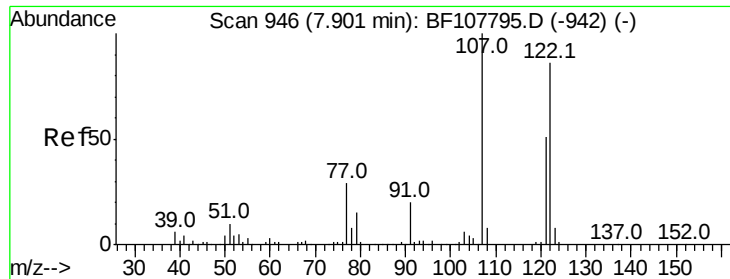
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#26
2-Nitrophenol
Concen: 23.454 ng
RT: 7.87 min Scan# 940
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	25.4	22.7	34.1	
65	52.7	40.5	60.7	





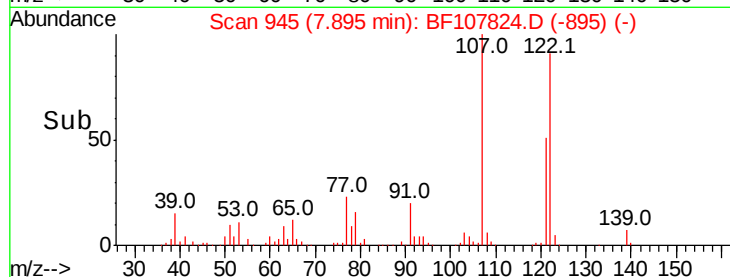
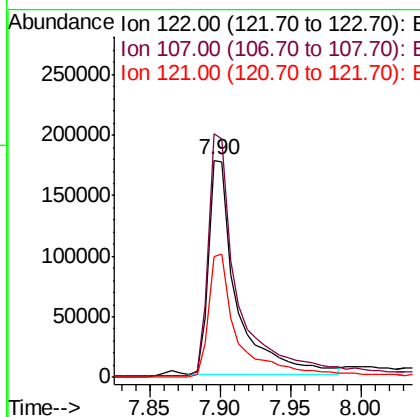
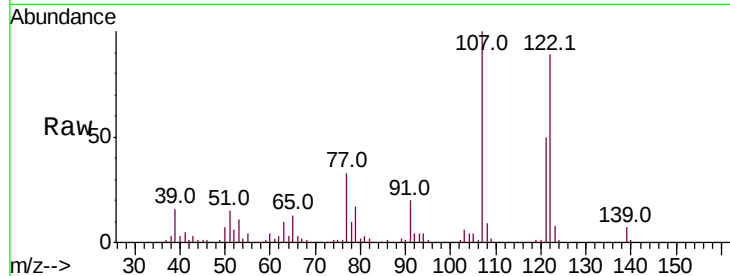
#27
2,4-Dimethylphenol
Concen: 29.431 ng
RT: 7.90 min Scan# 945
Delta R.T. -0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion	Ratio	Lower	Upper
122	100		
107	112.1	91.2	136.8
121	55.7	47.2	70.8

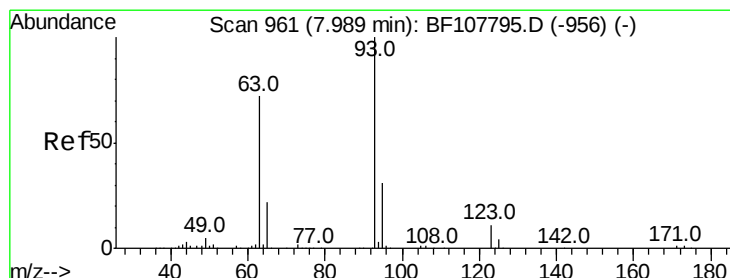
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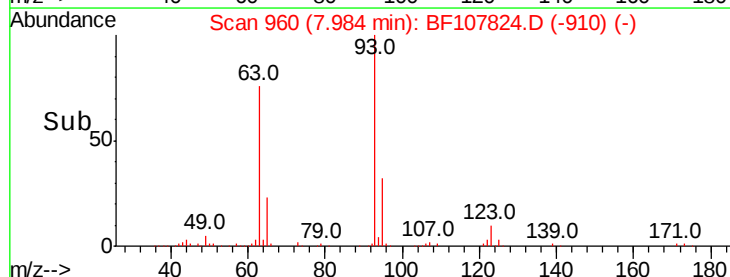
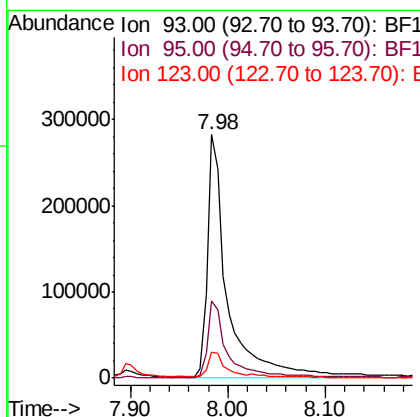
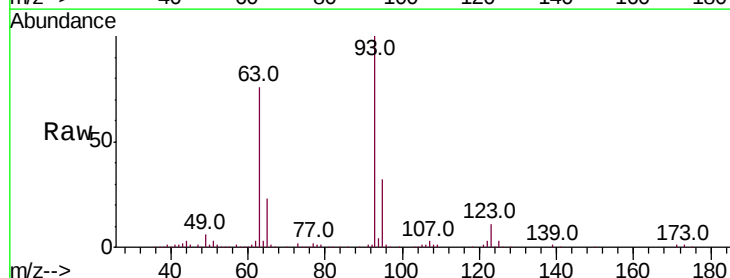
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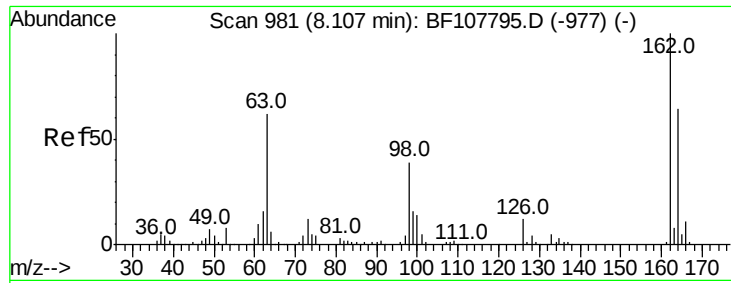
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#28
bis(2-Chloroethoxy)methane
Concen: 30.525 ng
RT: 7.98 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.8	26.3	39.5
123	10.6	9.8	14.6





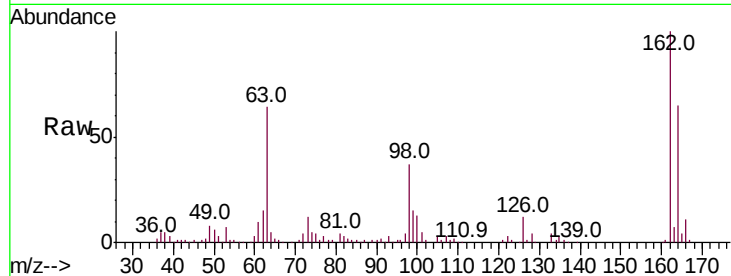
#29
2,4-Dichlorophenol
Concen: 26.430 ng
RT: 8.11 min Scan# 982
Delta R.T. 0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	251412		
164	64.8	42.7	82.7	
98	37.0	18.1	58.1	

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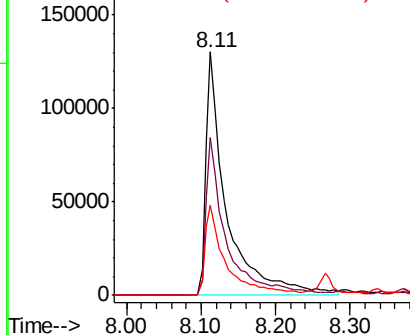


Abundance

Ion 162.00 (161.70 to 162.70): E

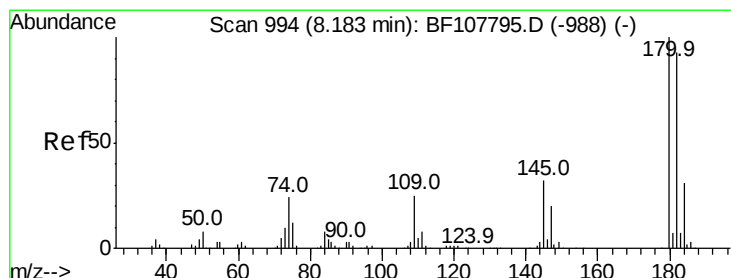
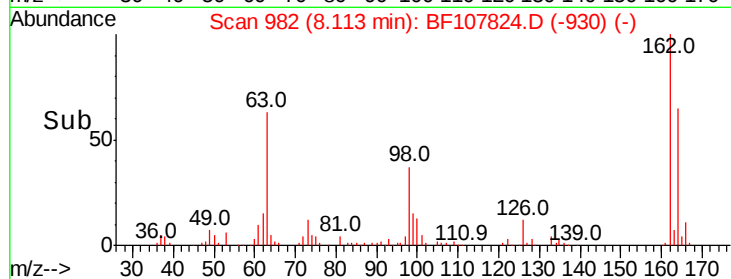
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



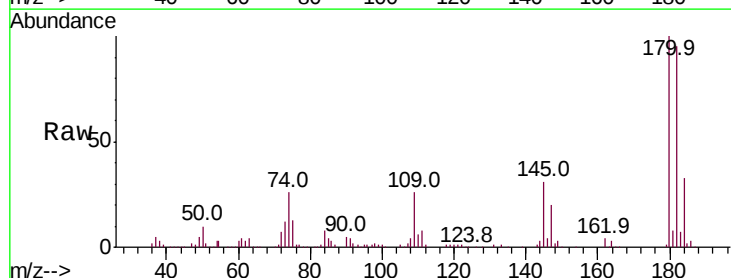
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#30
1,2,4-Trichlorobenzene
Concen: 26.543 ng
RT: 8.18 min Scan# 994
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	288044		
182	95.4	76.8	115.2	
145	31.1	26.5	39.7	

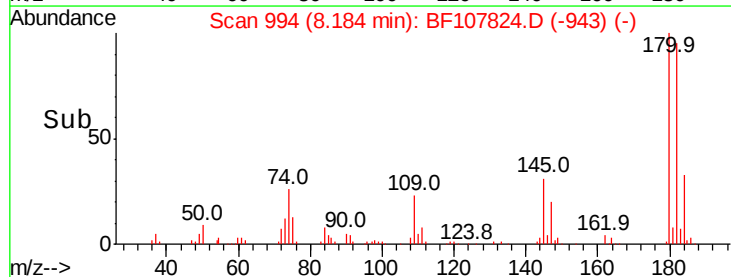
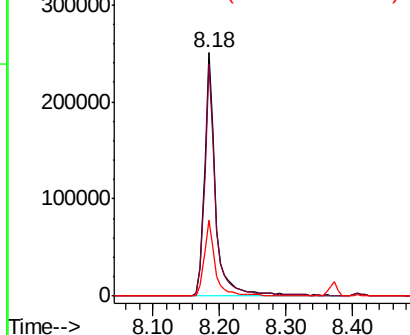


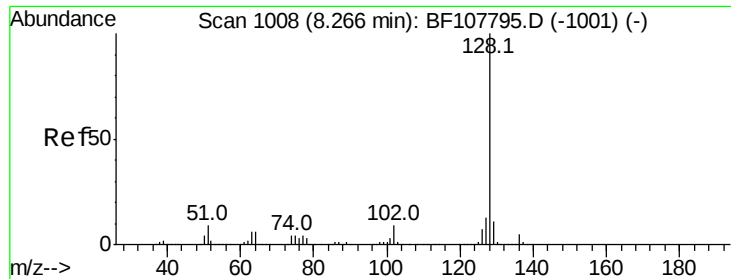
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





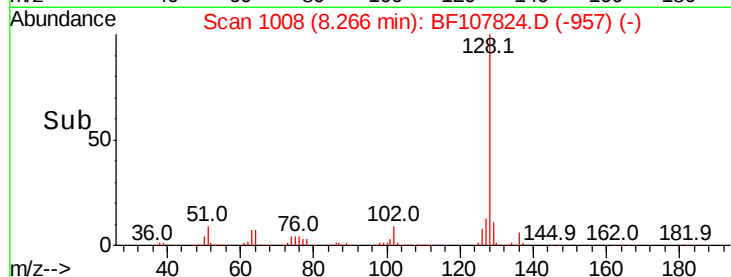
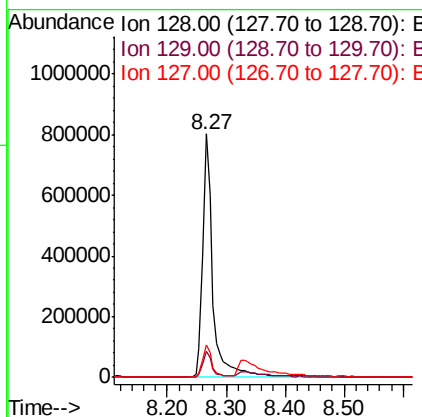
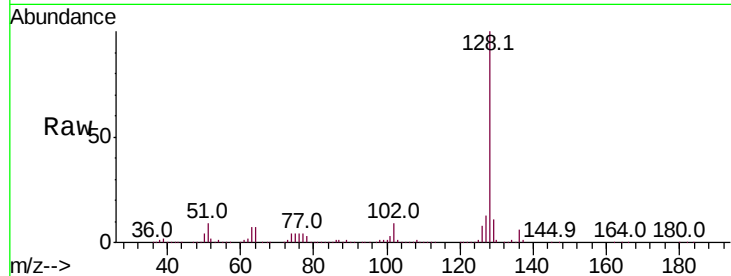
#31
Naphthalene
Concen: 30.087 ng
RT: 8.27 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion:	128	Resp:	961704
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.8	13.2
127	13.2	10.9	16.3

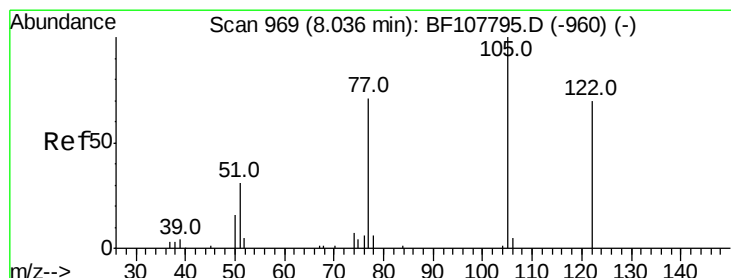
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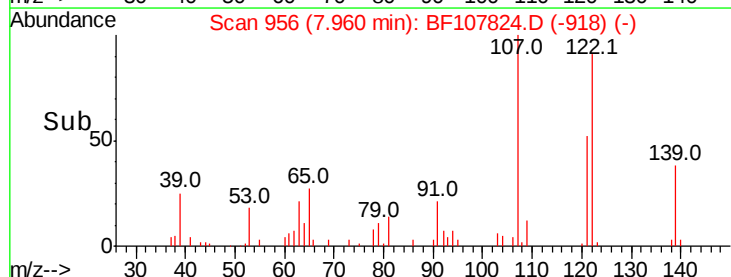
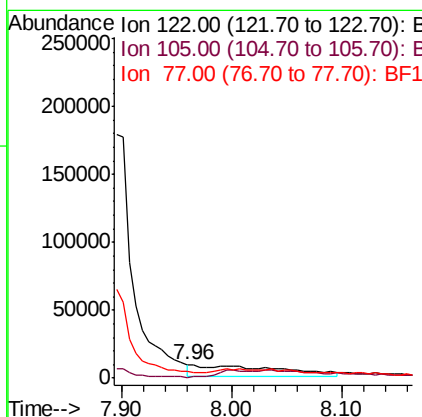
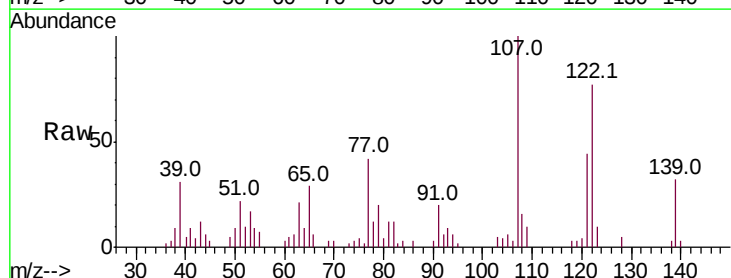
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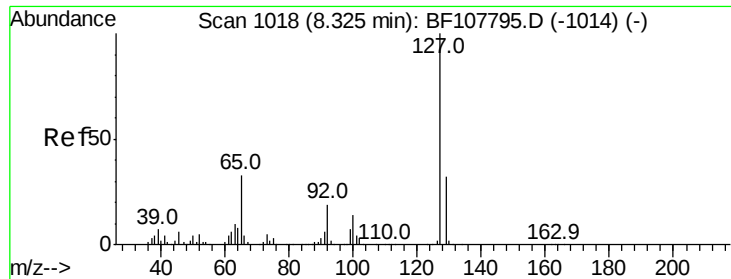
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#32
Benzoic acid
Concen: 9.684 ng m
RT: 7.96 min Scan# 956
Delta R.T. -0.08 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion:	122	Resp:	48005
Ion Ratio	Lower	Upper	
122	100		
105	7.7	101.1	141.1#
77	54.6	70.7	110.7#





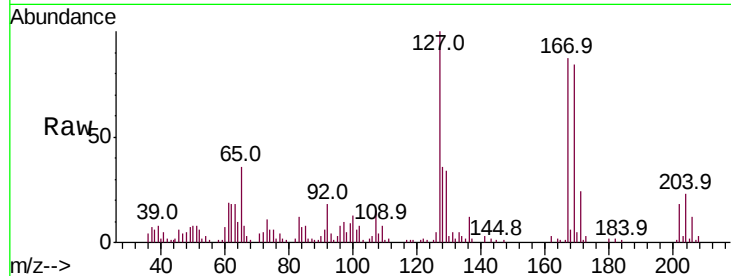
#33
 4-Chloroaniline
 Concen: 12.430 ng
 RT: 8.33 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: BF107824.D
 Acq: 31 Jul 2018 2:07

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-072618MS

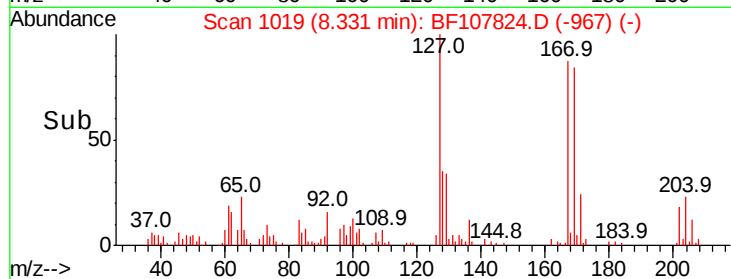
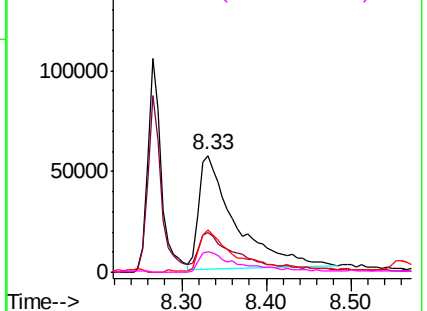
Tot Ion	Ratio	Resp Lower	Upper
127	100		
129	33.5	25.9	38.9
65	36.0	25.0	37.4
92	17.6	15.2	22.8

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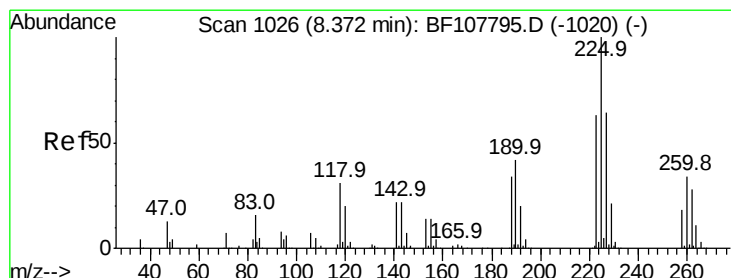


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1



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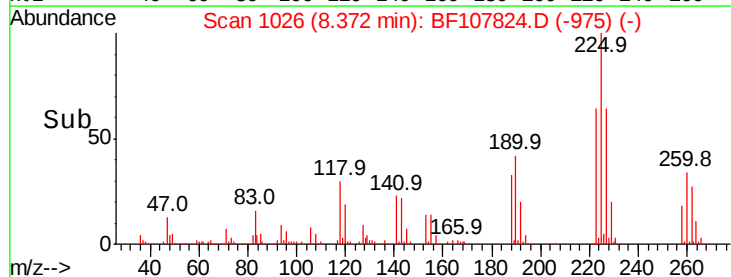
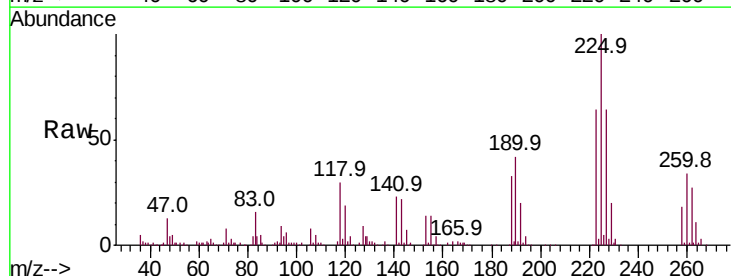
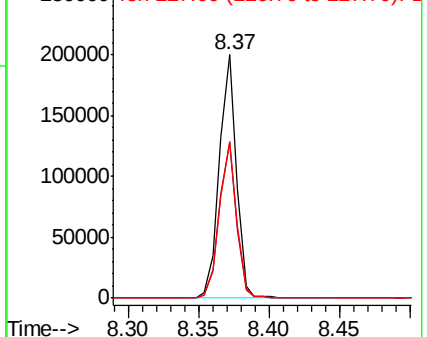
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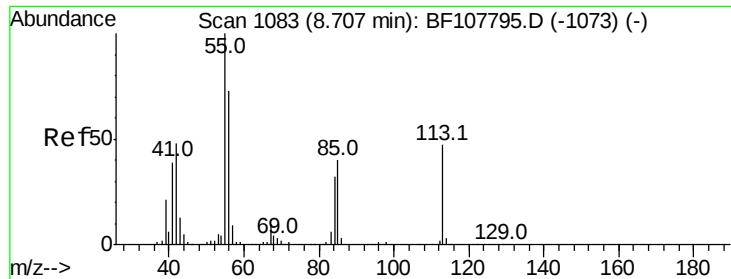


#34
 Hexachlorobutadiene
 Concen: 25.317 ng
 RT: 8.37 min Scan# 1026
 Delta R.T. 0.00 min
 Lab File: BF107824.D
 Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	63.7	50.6	76.0
227	64.4	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





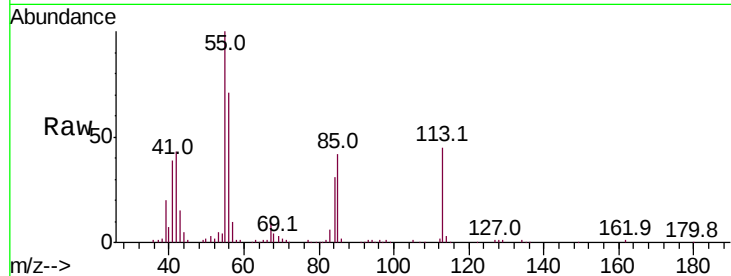
#35
Caprolactam
Concen: 25.265 ng
RT: 8.68 min Scan# 1078
Delta R.T. -0.03 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

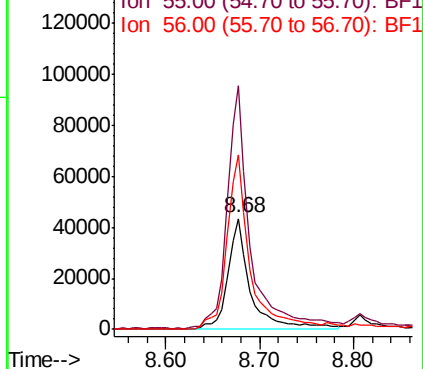
Tot Ion:113 Resp: 72350
Ion Ratio Lower Upper
113 100
55 220.1 163.3 203.3#
56 157.3 115.7 155.7#

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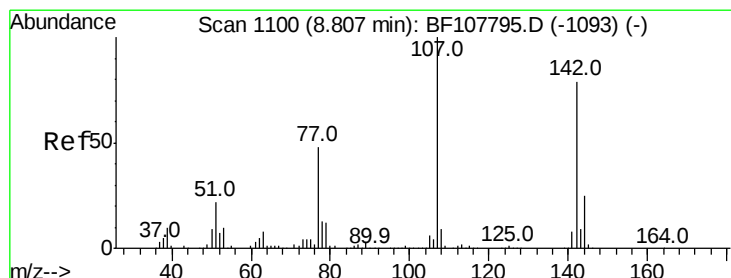
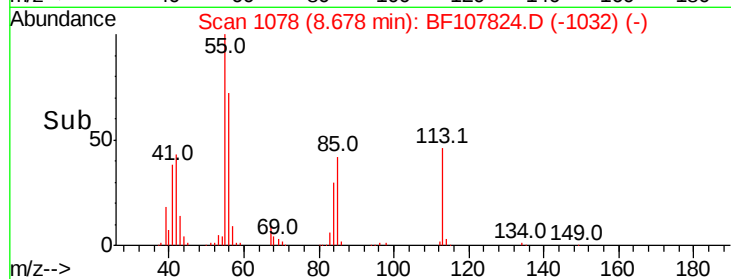


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1



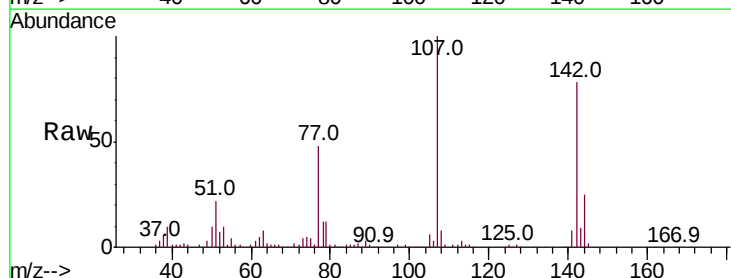
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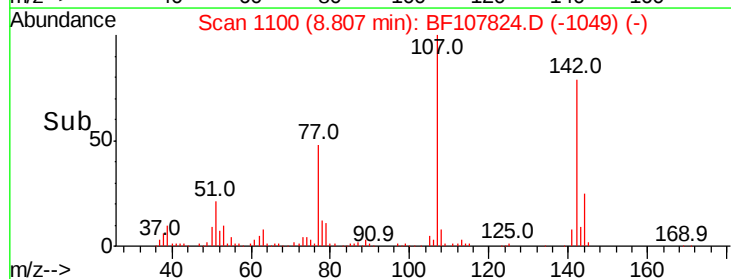
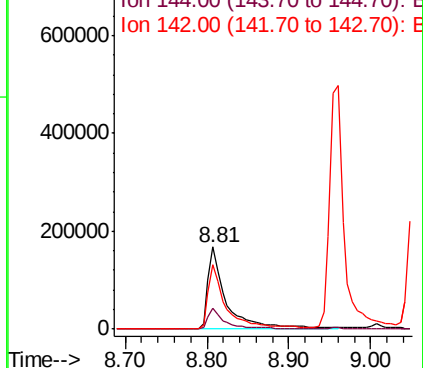


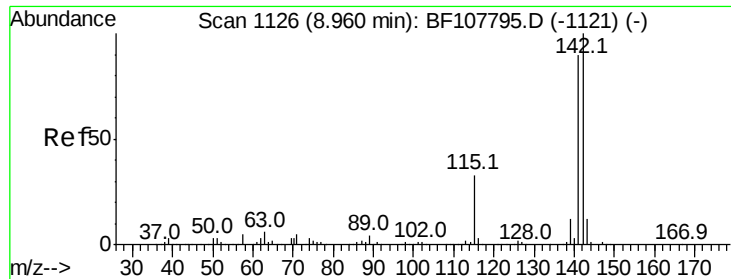
#36
4-Chloro-3-methylphenol
Concen: 25.633 ng
RT: 8.81 min Scan# 1100
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion:107 Resp: 264812
Ion Ratio Lower Upper
107 100
144 25.0 20.5 30.7
142 78.4 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





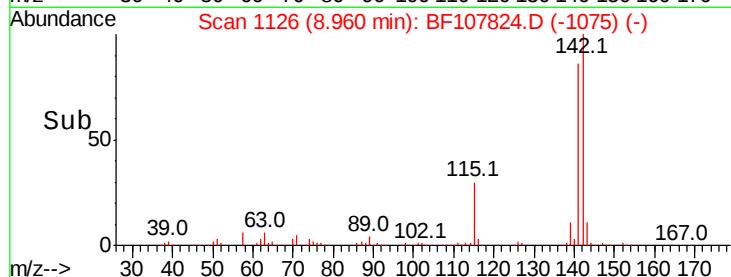
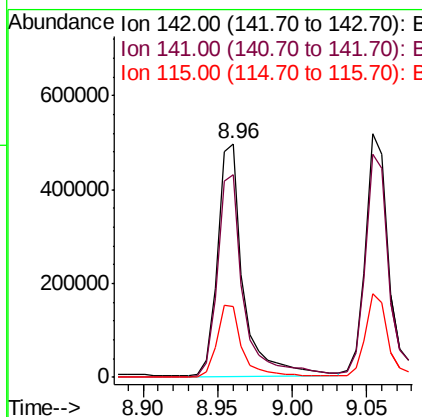
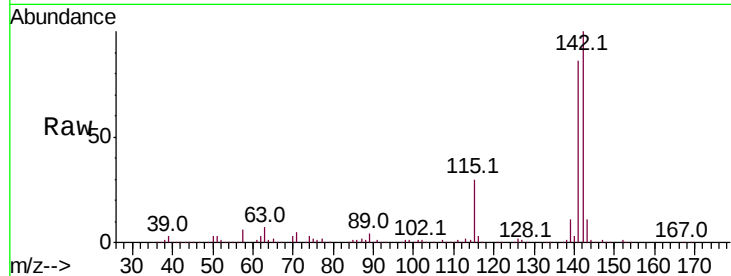
#37
 2-Methylnaphthalene
 Concen: 30.243 ng
 RT: 8.96 min Scan# 1126
 Delta R.T. 0.00 min
 Lab File: BF107824.D
 Acq: 31 Jul 2018 2:07

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-072618MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.5	70.8	106.2
115	30.3	26.1	39.1

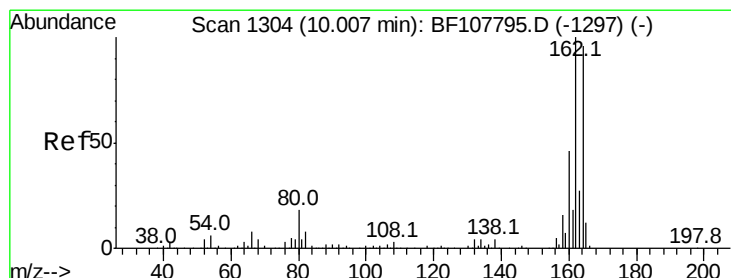
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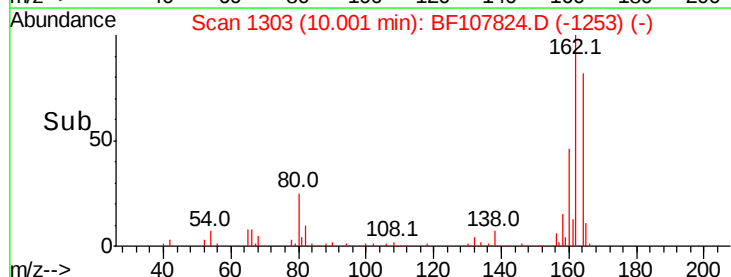
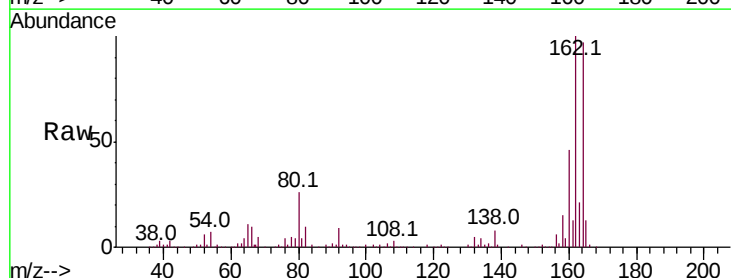
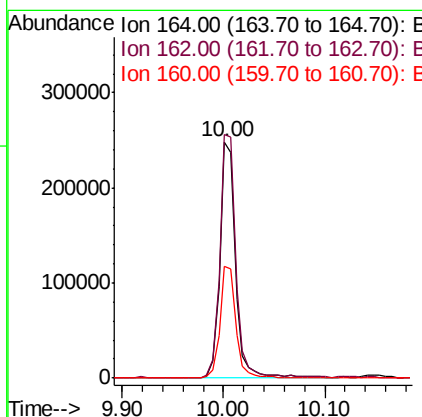
Sohil

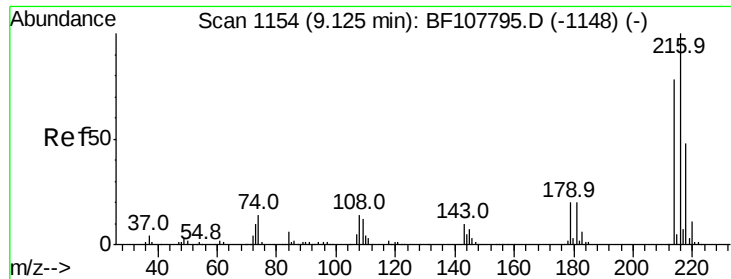
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF107824.D
 Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	86.1	129.1
160	47.3	38.3	57.5





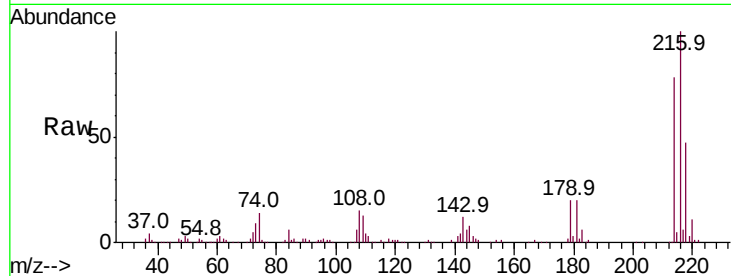
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 30.085 ng
 RT: 9.12 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BF107824.D
 Acq: 31 Jul 2018 2:07

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-072618MS

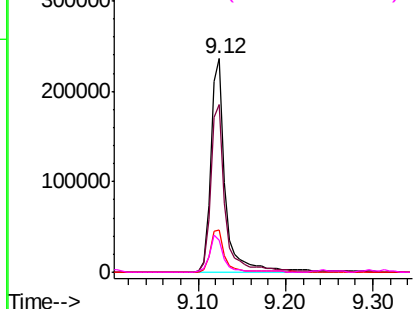
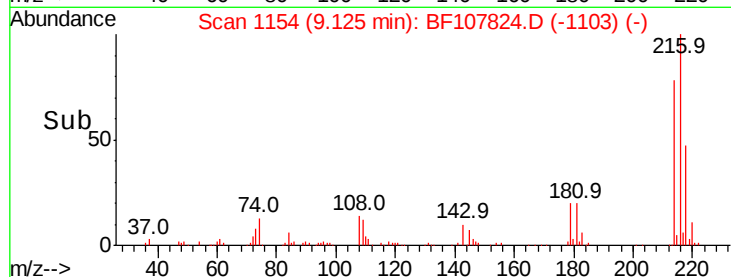
Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	80.3	63.0	94.4
179	20.9	18.1	27.1
108	16.7	17.2	25.8

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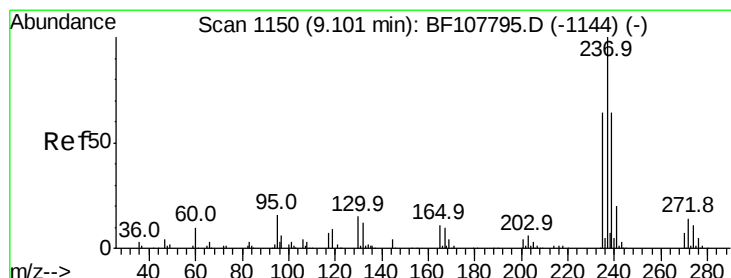


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E



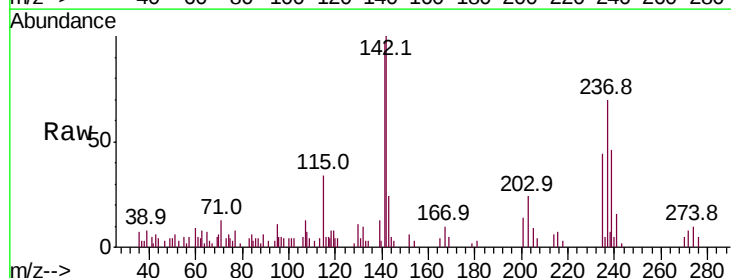
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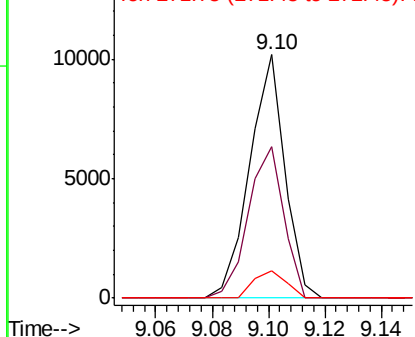
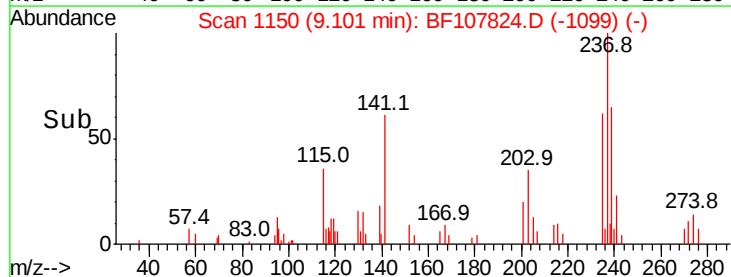


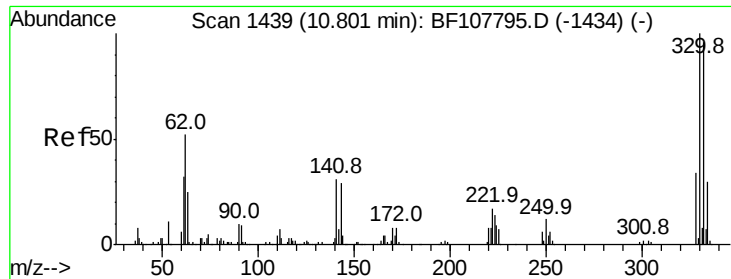
#40
 Hexachlorocyclopentadiene
 Concen: 9.459 ng
 RT: 9.10 min Scan# 1150
 Delta R.T. 0.00 min
 Lab File: BF107824.D
 Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	62.4	44.8	84.8
272	11.2	0.0	33.3



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





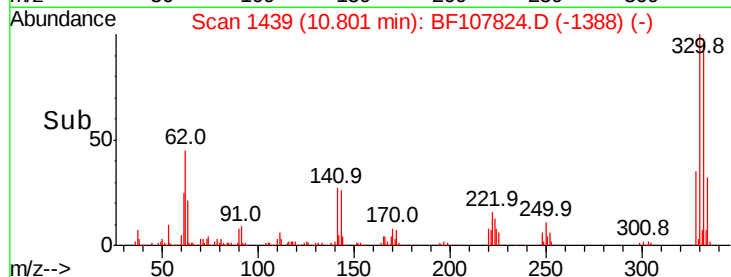
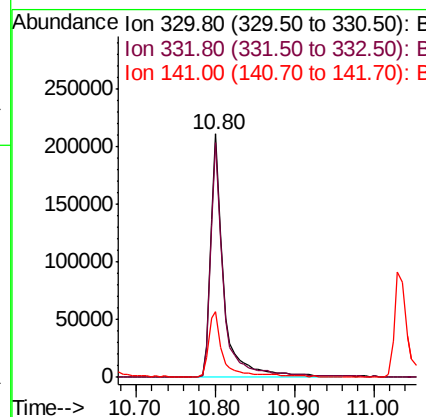
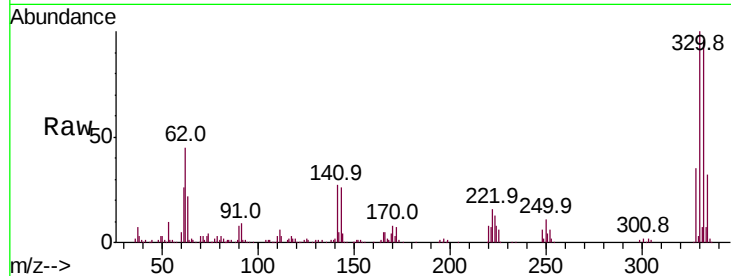
#41
 2,4,6-Tribromophenol
 Concen: 68.471 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107824.D
 Acq: 31 Jul 2018 2:07

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-072618MS

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.4	77.0	115.6	
141	27.3	29.9	44.9	

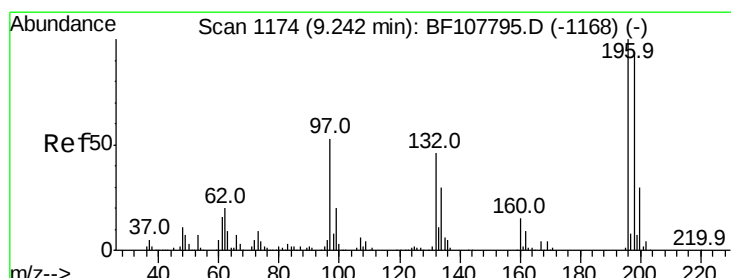
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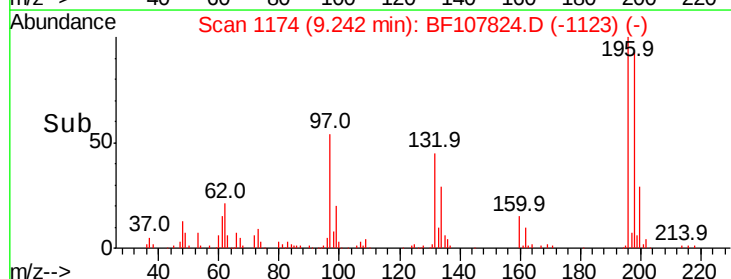
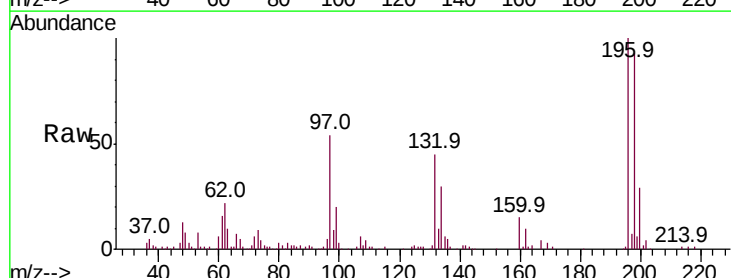
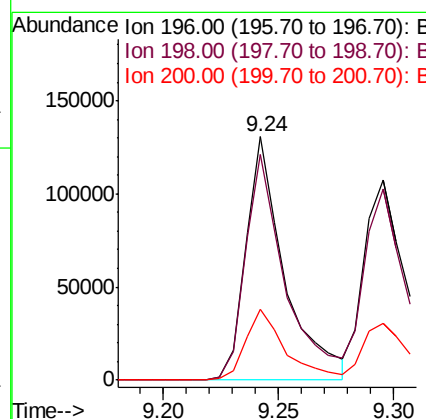
Sohil

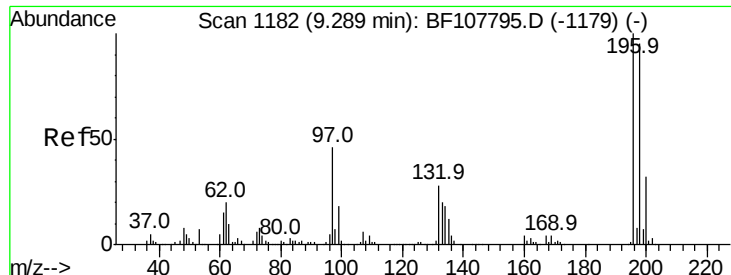
7/31/2018 2:43:02 PM



#42
 2,4,6-Trichlorophenol
 Concen: 30.417 ng
 RT: 9.24 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: BF107824.D
 Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	92.5	75.7	113.5	
200	29.0	24.5	36.7	





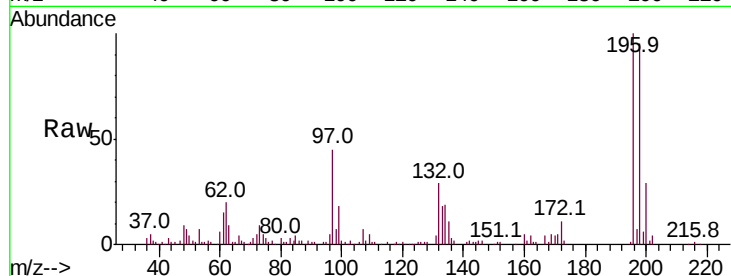
#43
 2,4,5-Trichlorophenol
 Concen: 27.754 ng
 RT: 9.30 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: BF107824.D
 Acq: 31 Jul 2018 2:07

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-072618MS

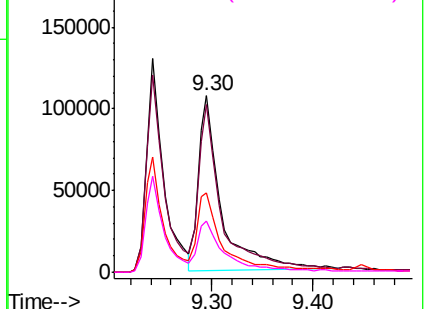
Tot Ion	Ratio	Resp	Lower	Upper
196	100	167793		
198	95.4	74.6	112.0	
97	45.1	42.9	64.3	
132	29.1	26.3	39.5	

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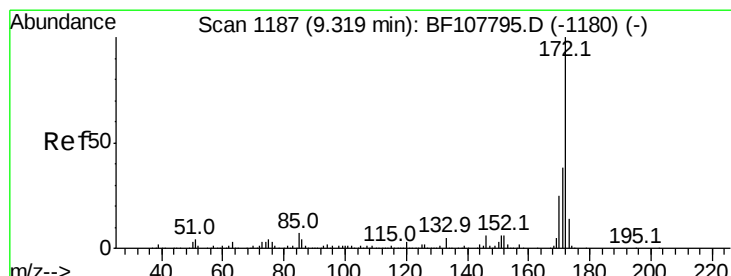
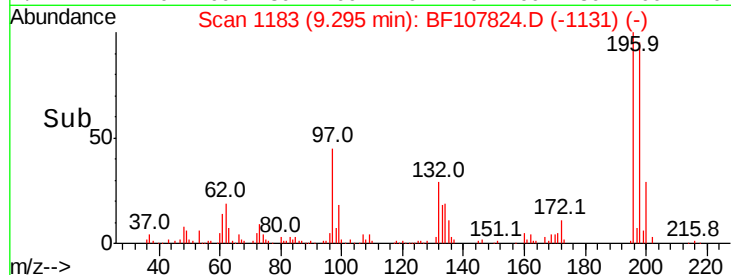


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E



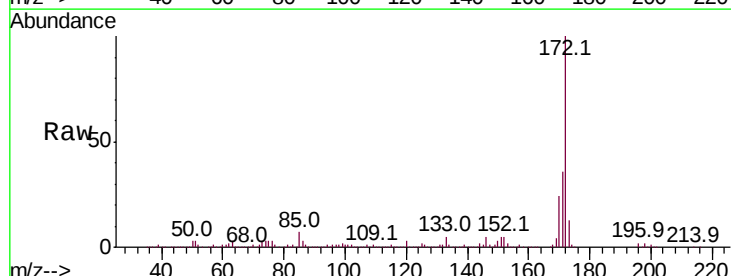
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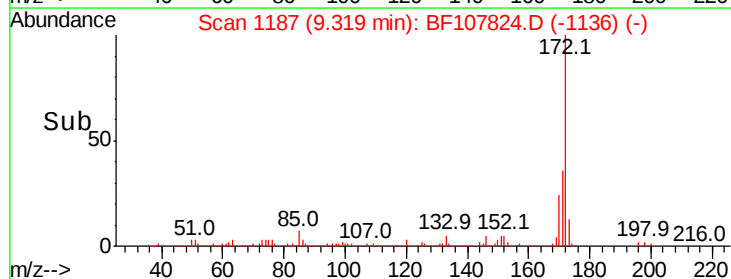
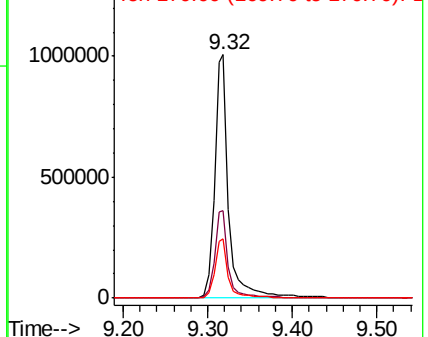


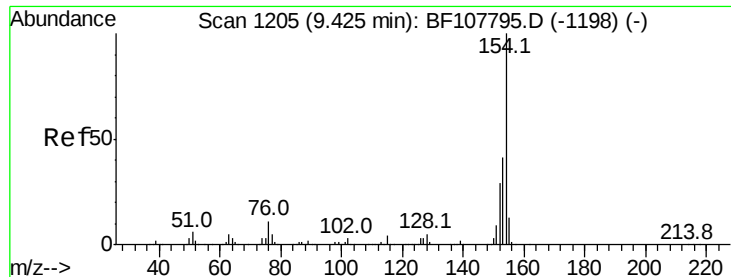
#44
 2-Fluorobiphenyl
 Concen: 62.348 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: BF107824.D
 Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1192081		
171	35.8	29.7	44.5	
170	24.5	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





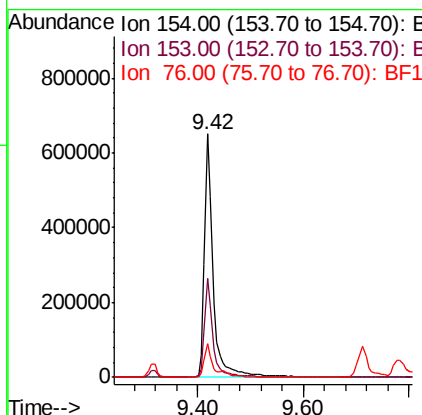
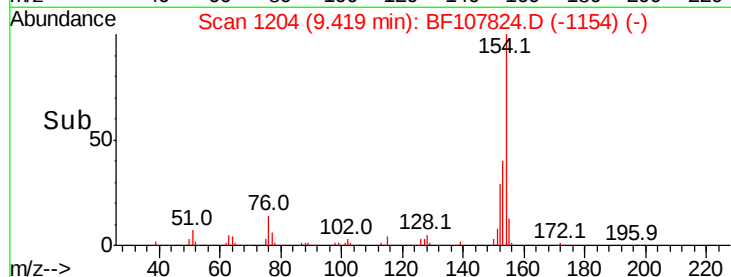
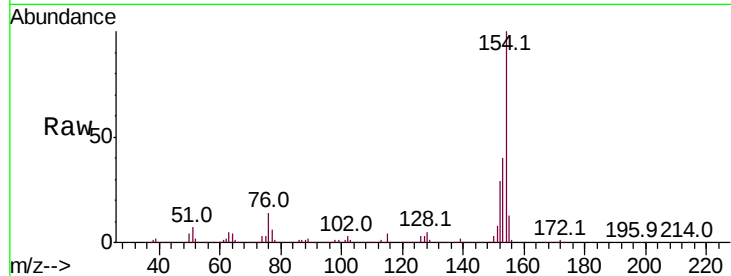
#45
 1,1'-Biphenyl
 Concen: 30.896 ng
 RT: 9.42 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF107824.D
 Acq: 31 Jul 2018 2:07

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-072618MS

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.4	21.3	61.3
76	13.7	0.0	34.0

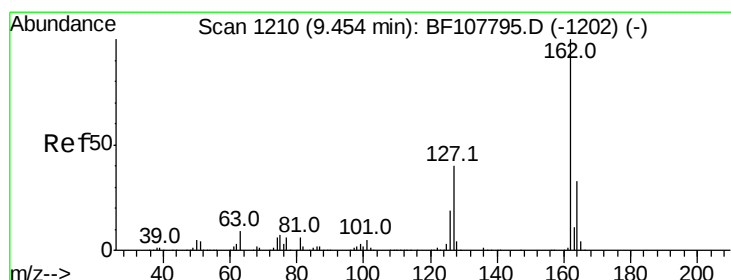
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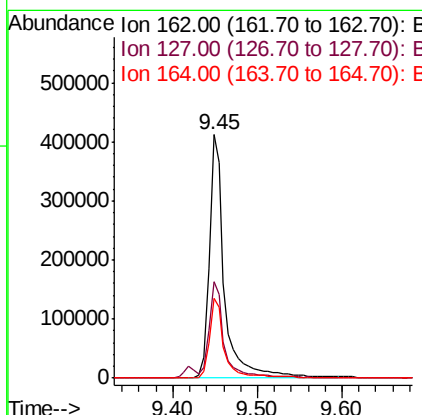
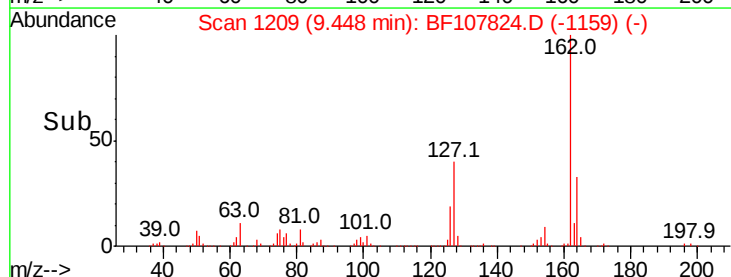
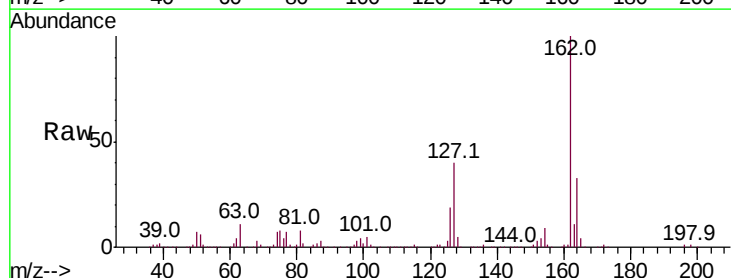
Sohil

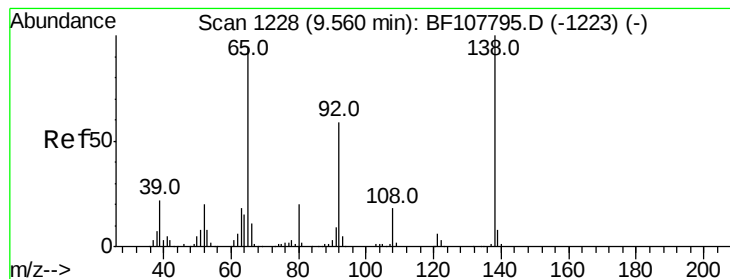
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#46
 2-Chloronaphthalene
 Concen: 28.641 ng
 RT: 9.45 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF107824.D
 Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.6	33.9	50.9
164	32.6	26.5	39.7





#47

2-Nitroaniline

Concen: 30.438 ng

RT: 9.56 min Scan# 1228

Delta R.T. 0.00 min

Lab File: BF107824.D

Acq: 31 Jul 2018 2:07

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-072618MS

Tot Ion: 65 Resp: 181030

Ion Ratio Lower Upper

65 100

92 62.3 55.8 83.6

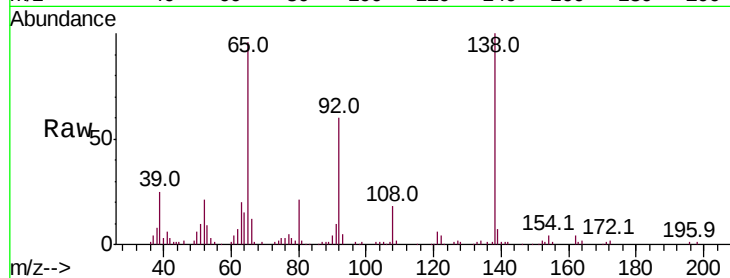
138 104.0 91.2 136.8

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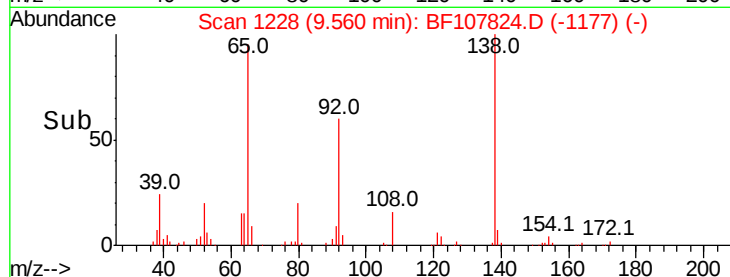
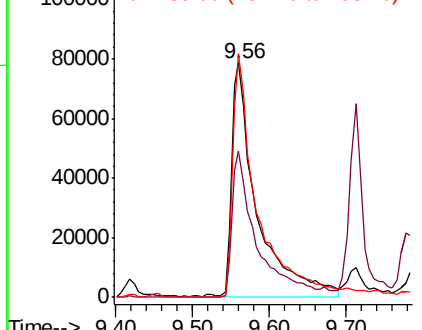
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Abundance Ion 65.00 (64.70 to 65.70): BF1

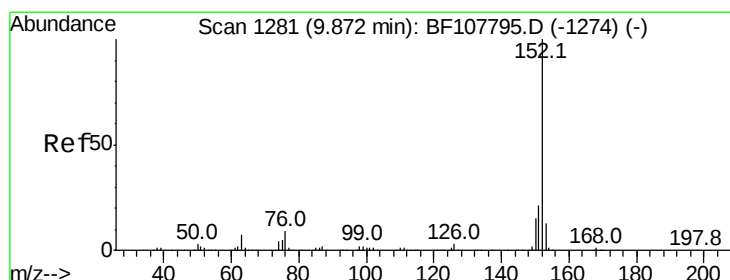
Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



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#48

Acenaphthylene

Concen: 29.522 ng

RT: 9.87 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF107824.D

Acq: 31 Jul 2018 2:07

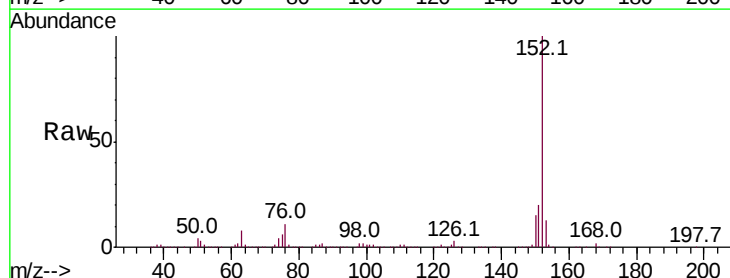
Tgt Ion: 152 Resp: 836860

Ion Ratio Lower Upper

152 100

151 20.4 16.3 24.5

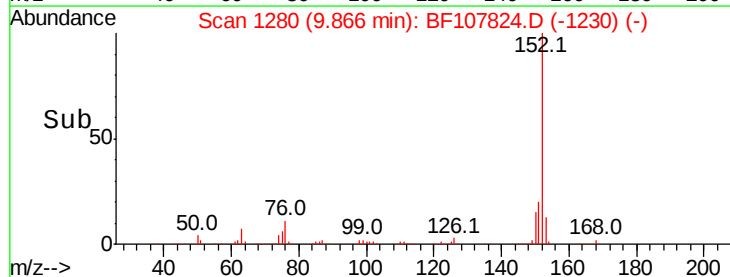
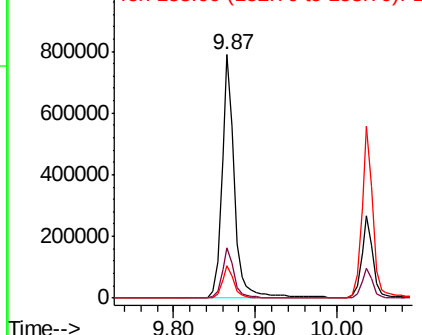
153 13.3 10.7 16.1

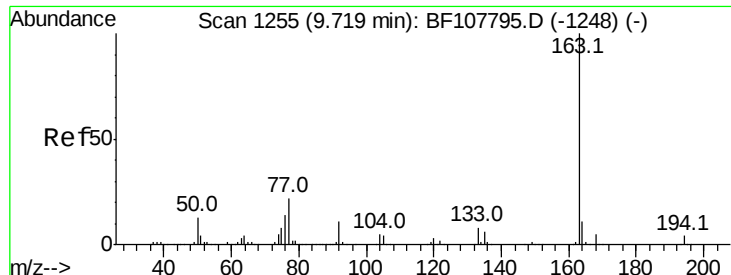


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





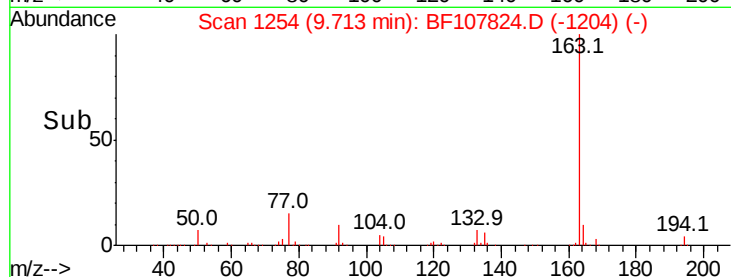
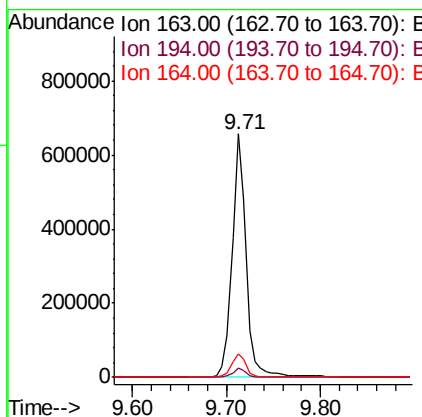
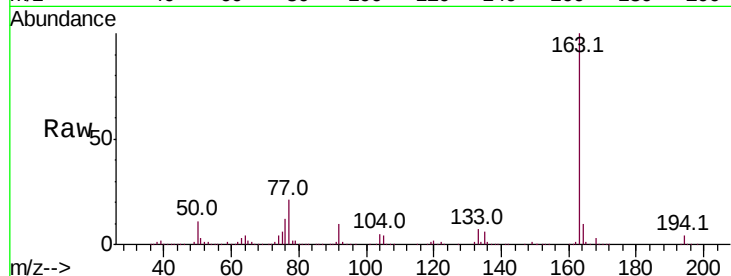
#49
Dimethylphthalate
Concen: 34.197 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion	Ratio	Resp	Lower	Upper
163	100	684259		
194	3.9		2.7	4.1
164	9.9		8.2	12.2

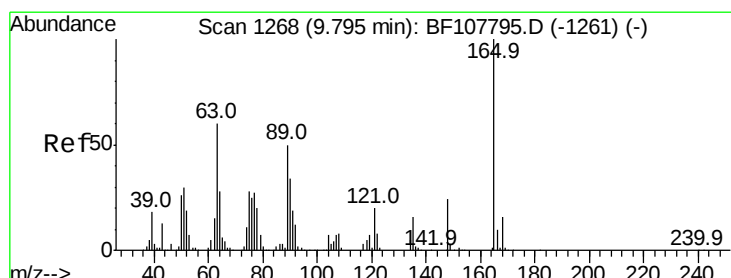
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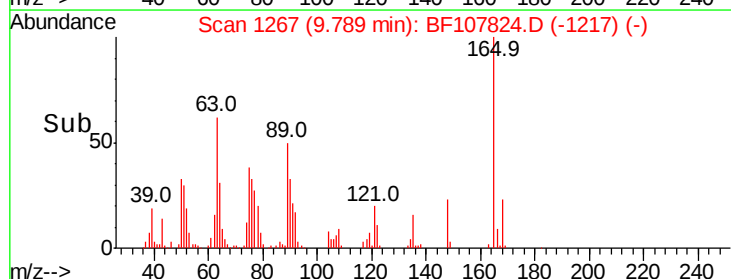
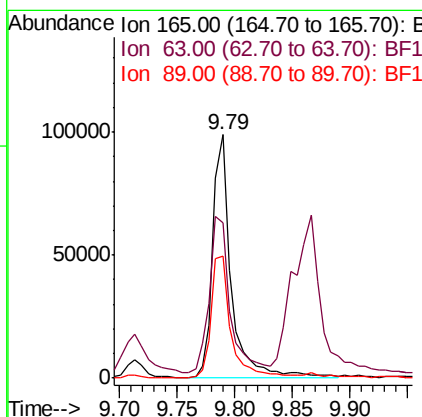
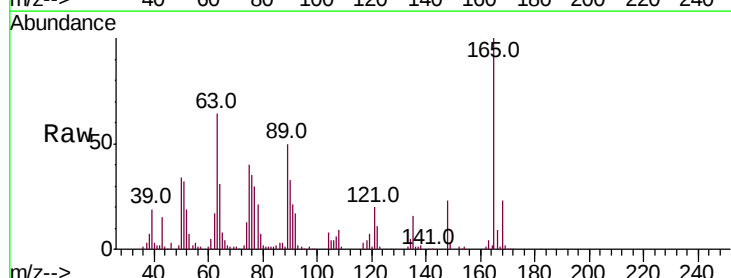
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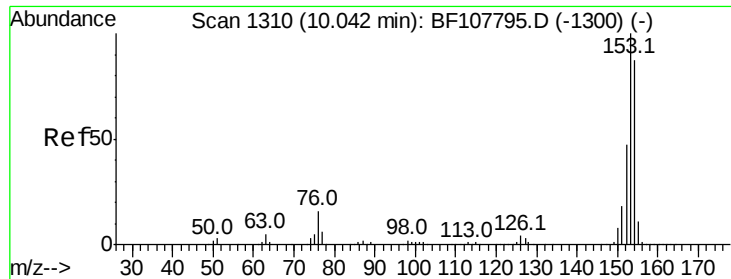
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#50
2,6-Dinitrotoluene
Concen: 25.693 ng
RT: 9.79 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	111726		
63	63.7		44.7	67.1
89	50.2		44.0	66.0





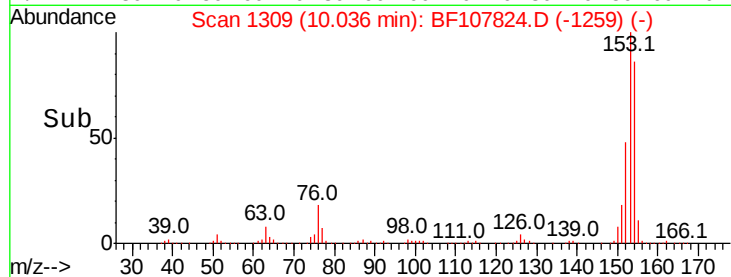
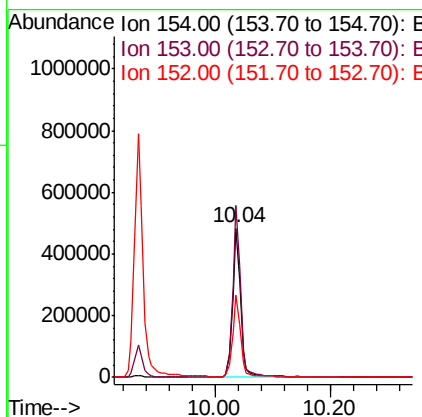
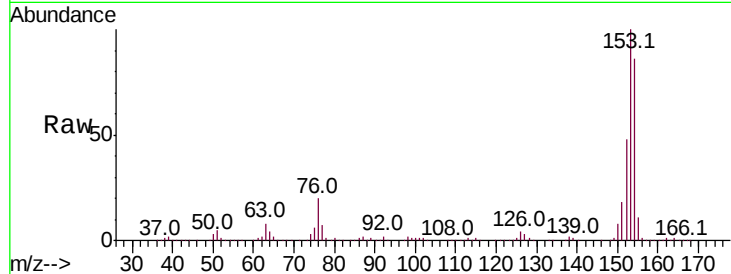
#51
Acenaphthene
Concen: 28.750 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.6	91.2	136.8
152	55.3	43.8	65.8

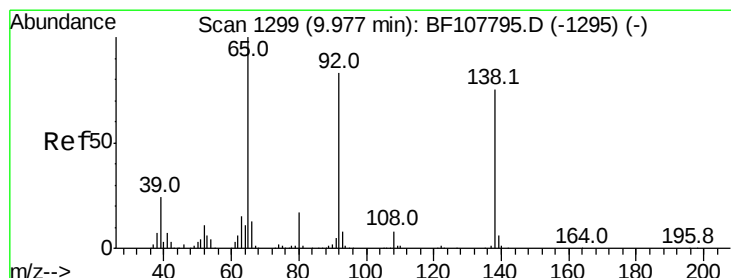
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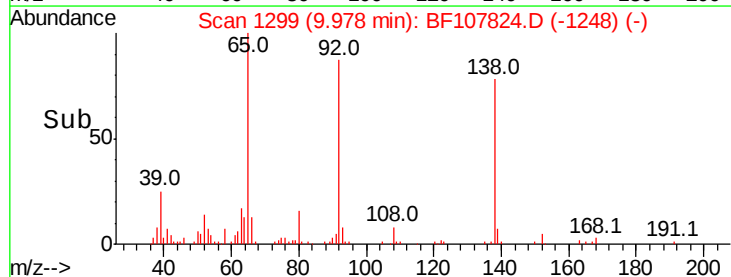
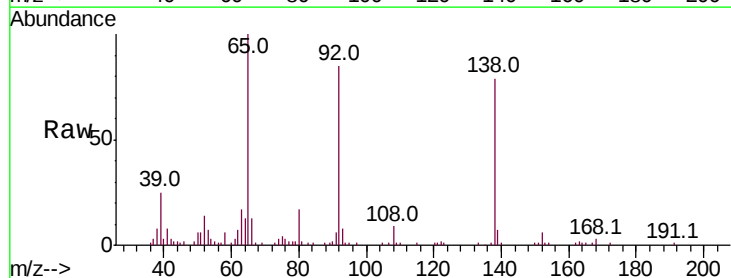
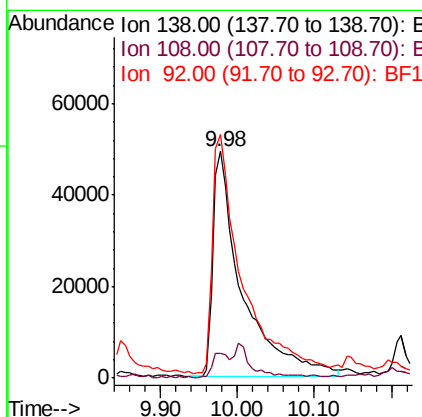
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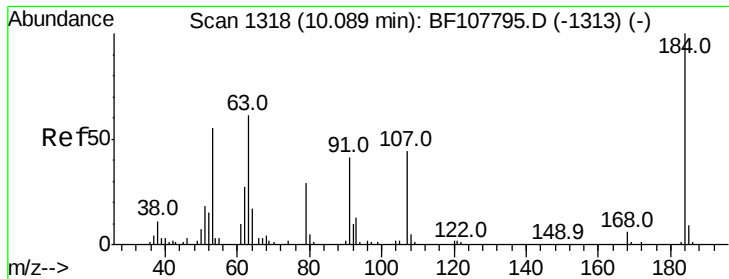
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#52
3-Nitroaniline
Concen: 23.562 ng
RT: 9.98 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.9	9.4	14.0
92	107.5	89.4	134.2





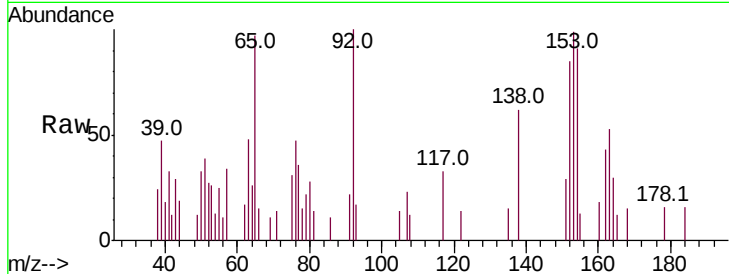
#53
 2,4-Dinitrophenol
 Concen: 8.601 ng
 RT: 10.13 min Scan# 1325
 Delta R.T. 0.04 min
 Lab File: BF107824.D
 Acq: 31 Jul 2018 2:07

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-072618MS

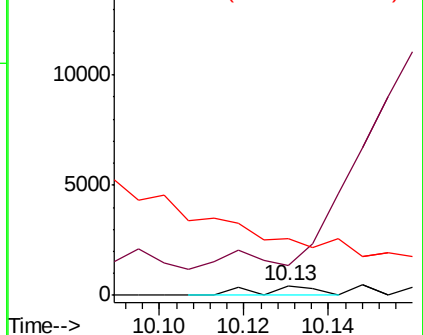
Tot Ion	Ratio	Lower	Upper
184	100		
63	306.3	54.2	81.2#
154	585.3	184.0	276.0#

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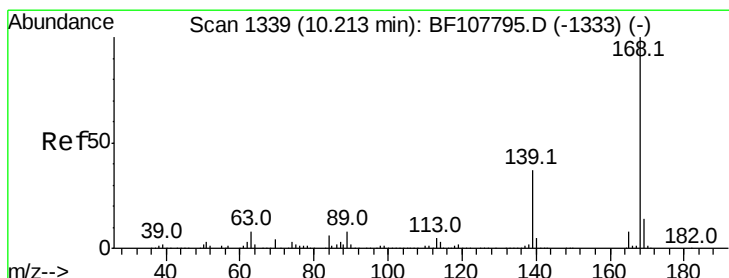
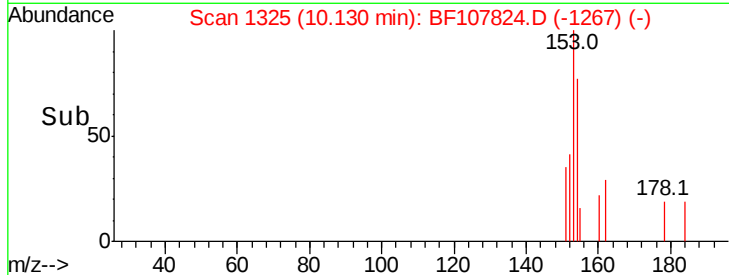


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E



Sohil

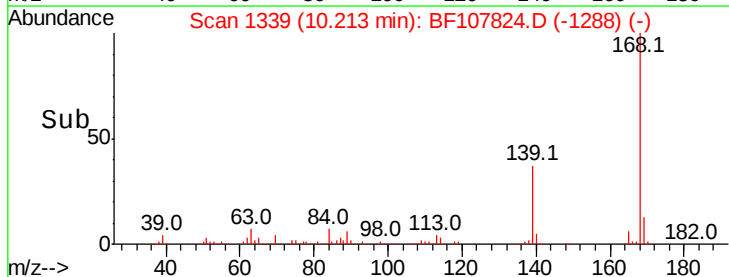
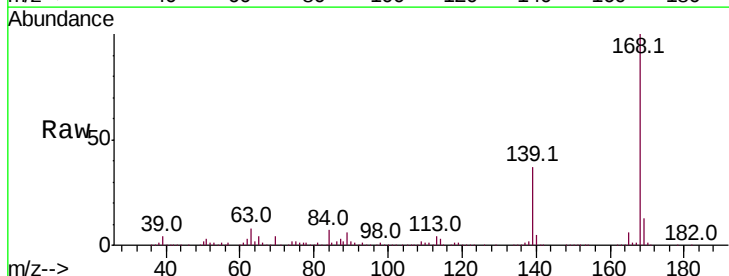
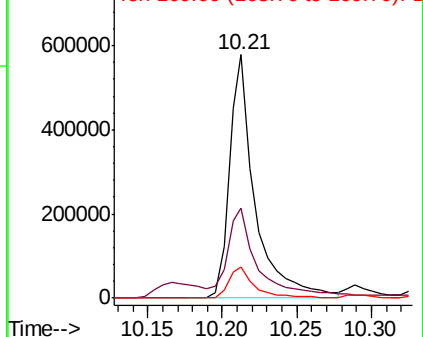
7/31/2018 2:43:02 PM

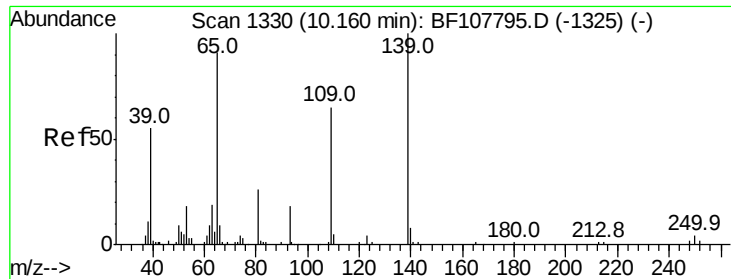


#54
 Dibenzofuran
 Concen: 27.339 ng
 RT: 10.21 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: BF107824.D
 Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.9	30.1	45.1
169	12.7	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





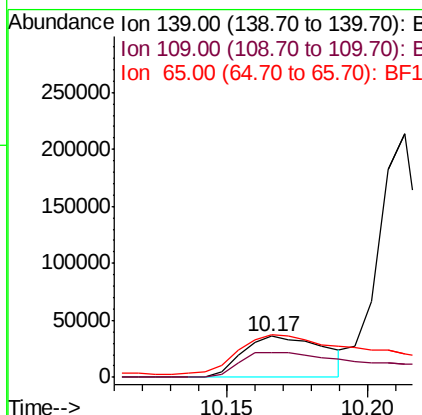
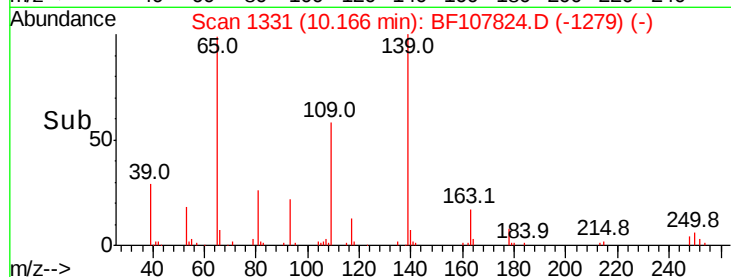
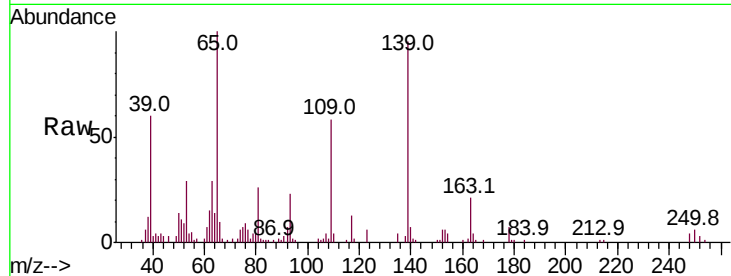
#55
4-Nitrophenol
Concen: 34.403 ng
RT: 10.17 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion	Ratio	Lower	Upper
139	100		
109	61.2	48.4	88.4
65	104.8	72.6	112.6

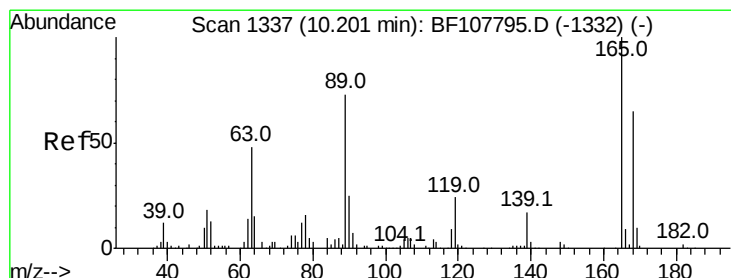
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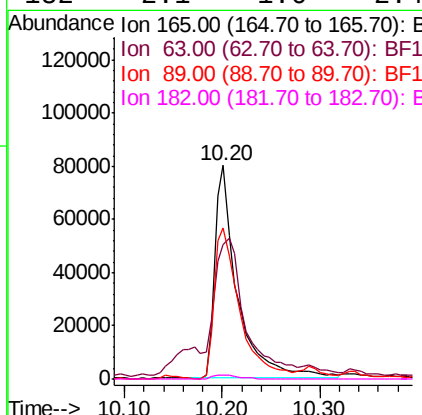
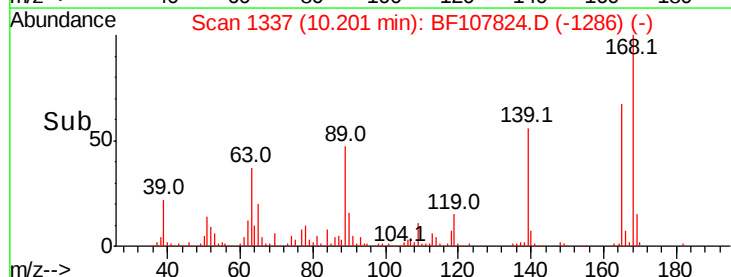
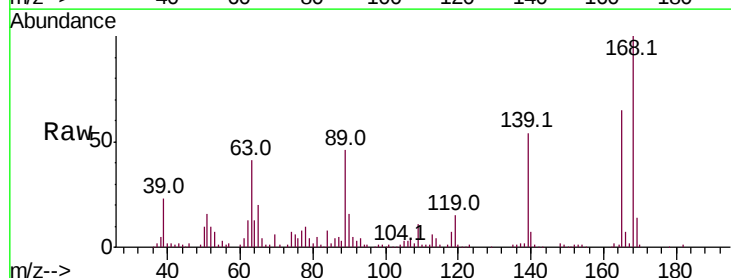
Sohil

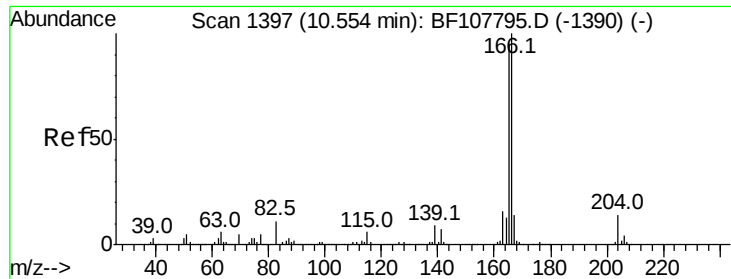
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#56
2,4-Dinitrotoluene
Concen: 22.285 ng
RT: 10.20 min Scan# 1337
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	63.1	36.4	54.6#
89	70.7	57.8	86.6
182	2.1	1.6	2.4





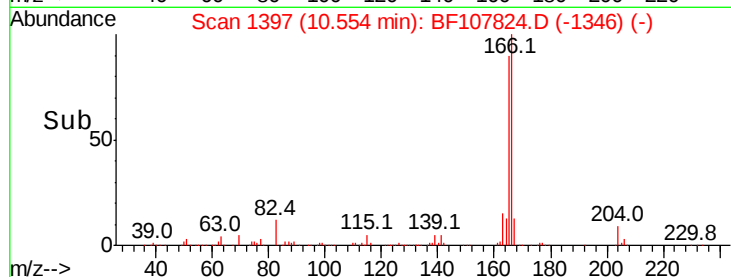
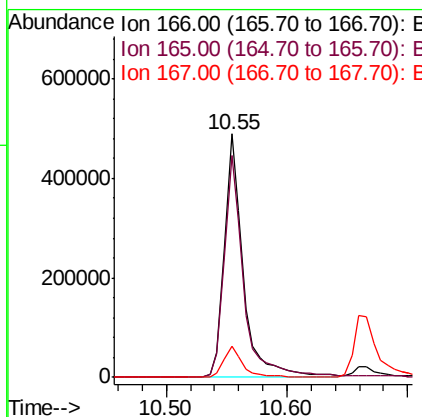
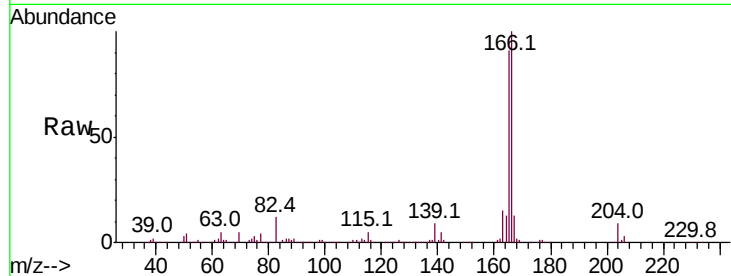
#57
 Fluorene
 Concen: 26.771 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: BF107824.D
 Acq: 31 Jul 2018 2:07

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-072618MS

Tot Ion	Ratio	Lower	Upper
166	100		
165	91.3	79.8	119.8
167	12.9	10.6	16.0

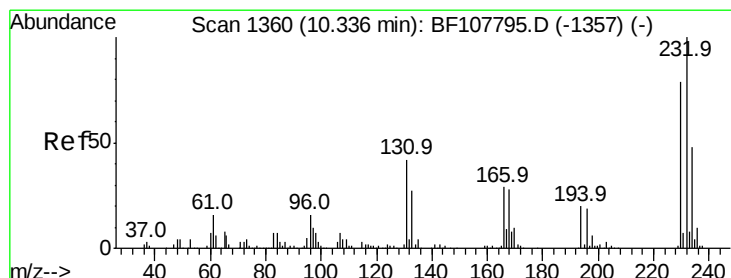
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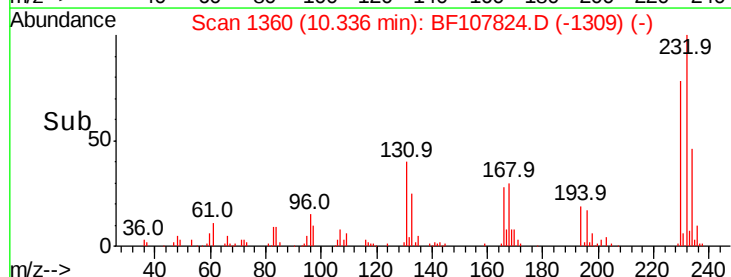
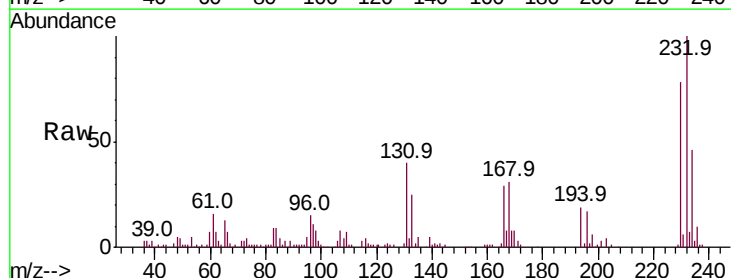
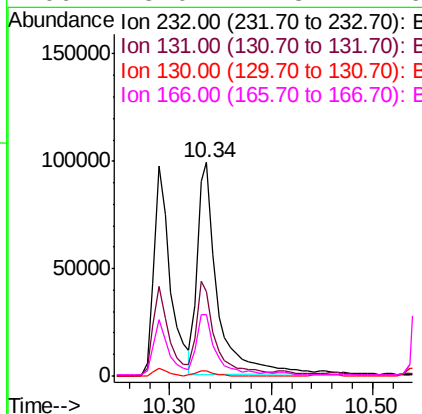
Sohil

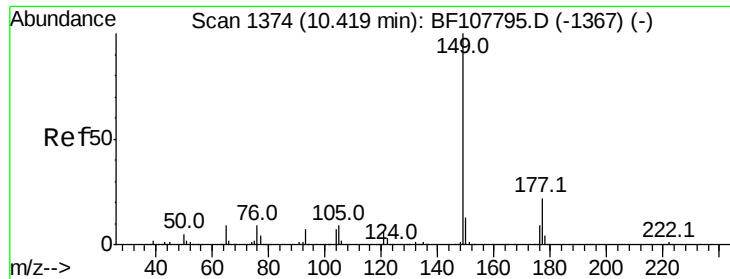
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 24.731 ng
 RT: 10.34 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: BF107824.D
 Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Lower	Upper
232	100		
131	42.3	43.8	65.8#
130	2.0	2.1	3.1#
166	25.0	27.8	41.6#





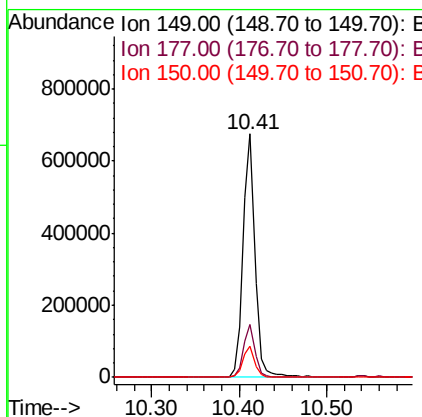
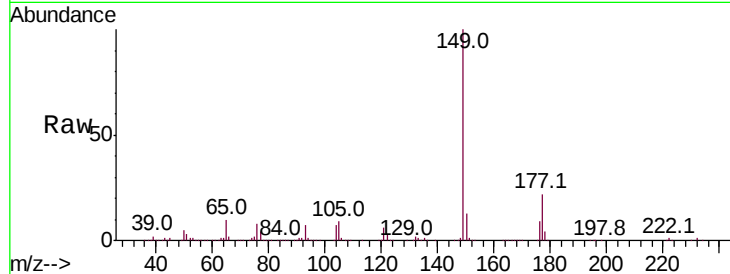
#59
 Diethylphthalate
 Concen: 28.363 ng
 RT: 10.41 min Scan# 1373
 Delta R.T. -0.01 min
 Lab File: BF107824.D
 Acq: 31 Jul 2018 2:07

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-072618MS

Tot Ion:	149	Resp:	610196
Ion Ratio	Lower	Upper	
149	100		
177	21.6	16.1	24.1
150	12.6	10.1	15.1

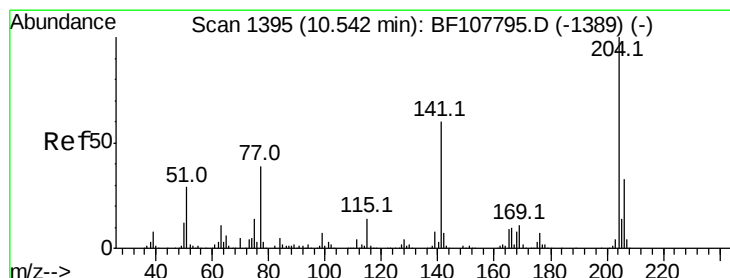
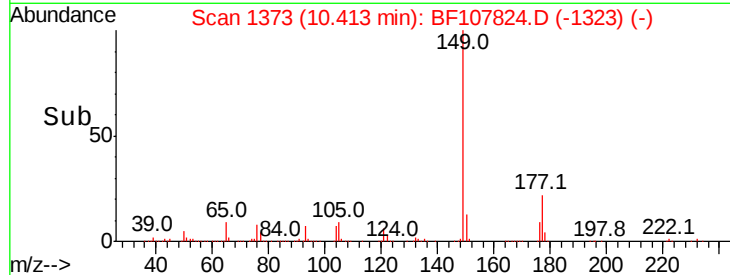
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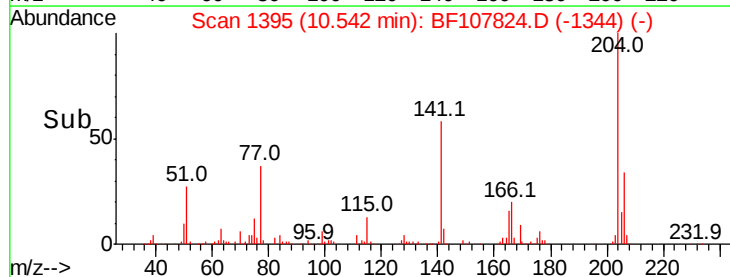
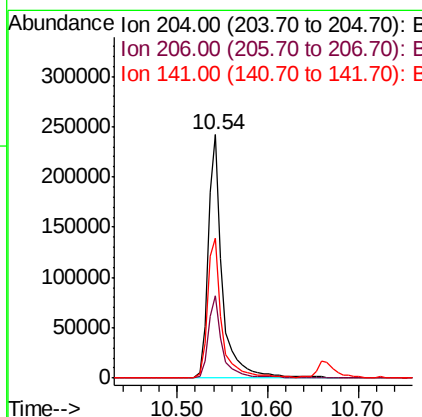
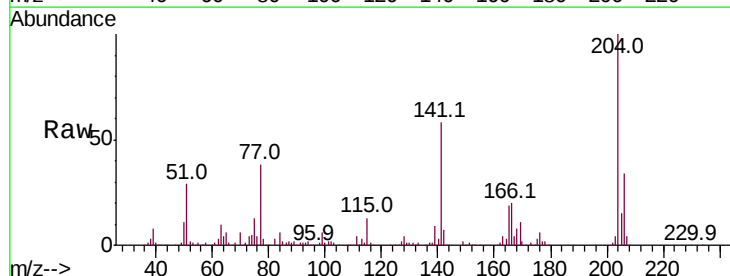
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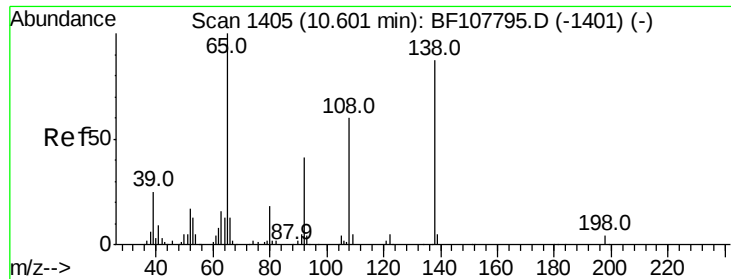
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#60
 4-Chlorophenyl-phenylether
 Concen: 24.768 ng
 RT: 10.54 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: BF107824.D
 Acq: 31 Jul 2018 2:07

Tgt Ion:	204	Resp:	266881
Ion Ratio	Lower	Upper	
204	100		
206	33.6	26.5	39.7
141	57.7	54.6	81.8





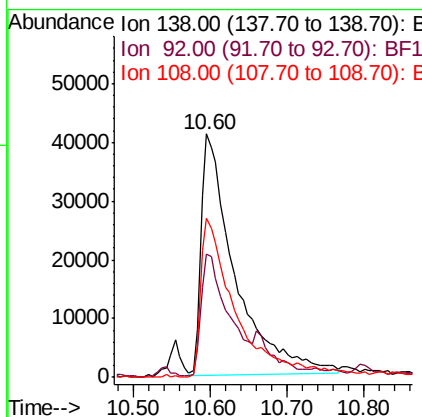
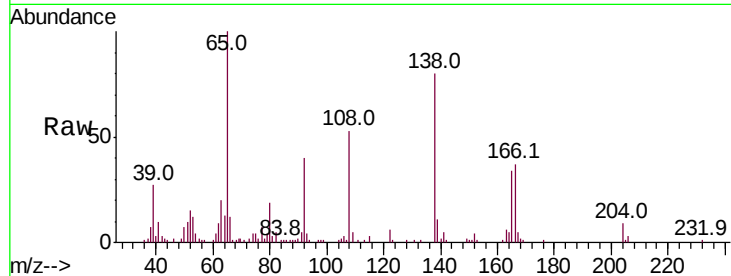
#61
4-Nitroaniline
Concen: 25.726 ng
RT: 10.60 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion	Ratio	Lower	Upper
138	100		
92	50.4	30.2	70.2
108	65.5	52.5	92.5

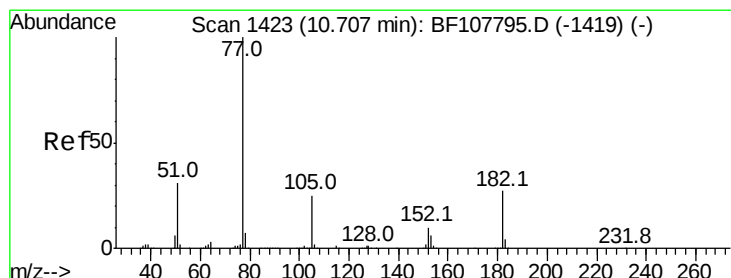
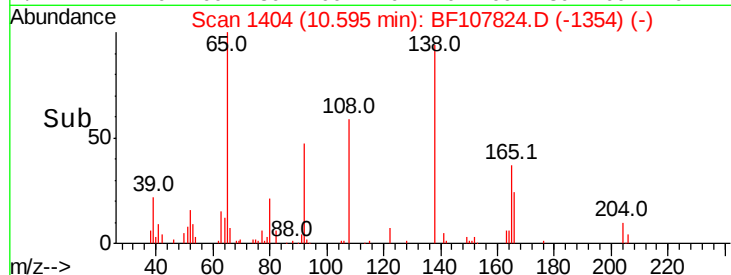
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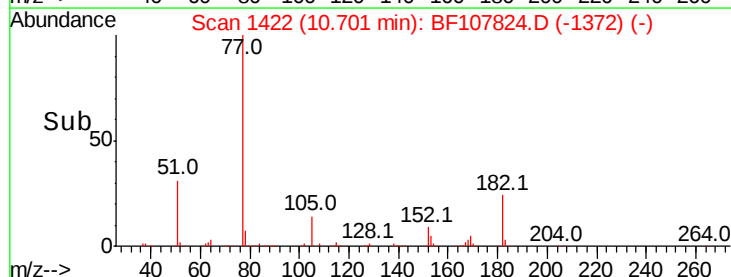
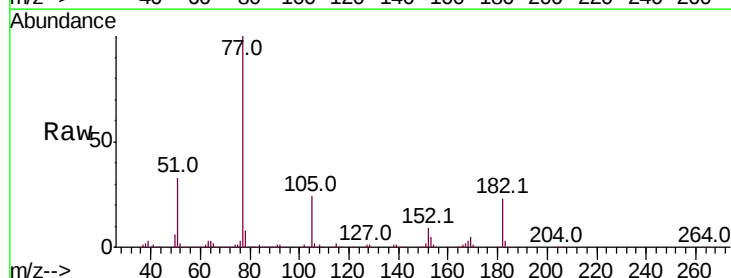
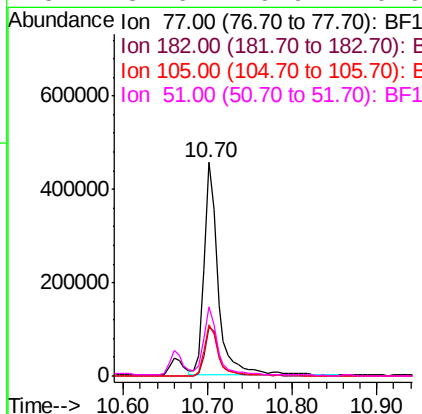
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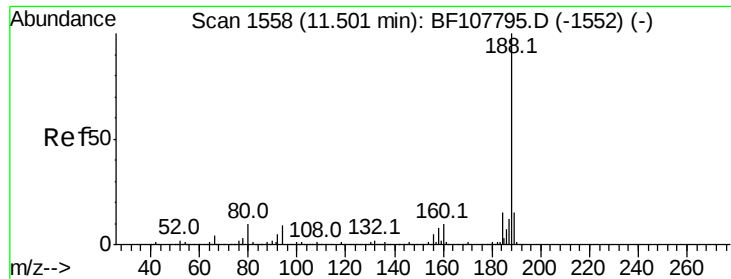
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#62
Azobenzene
Concen: 26.346 ng
RT: 10.70 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Lower	Upper
77	100		
182	22.9	1.7	41.7
105	23.9	3.0	43.0
51	32.6	9.9	49.9





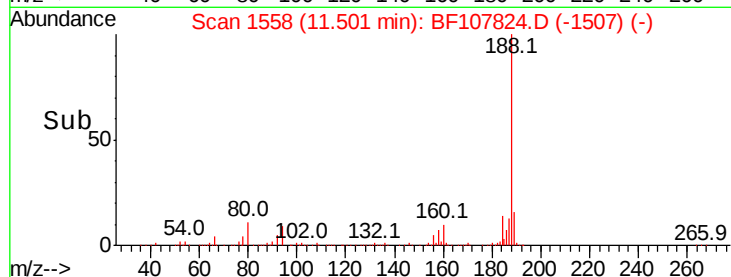
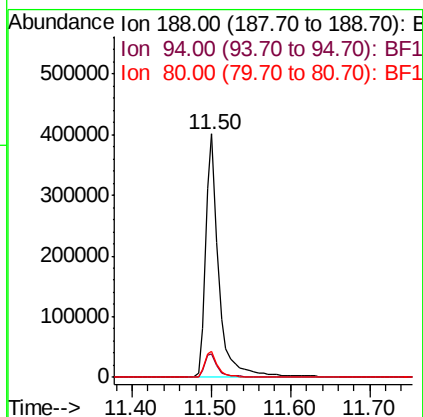
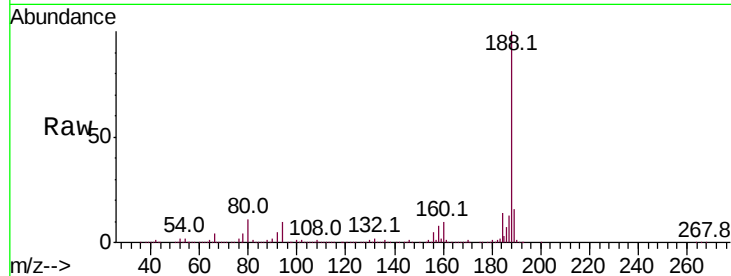
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	469001		
94	9.6		8.5	12.7
80	10.5		9.2	13.8

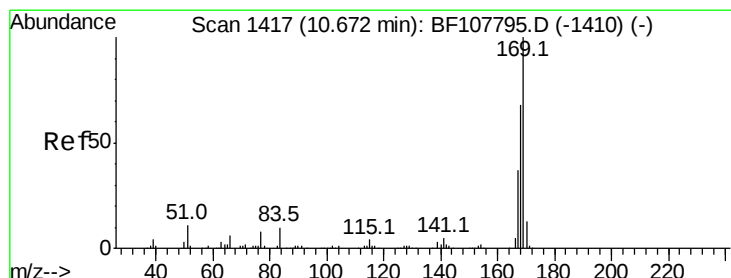
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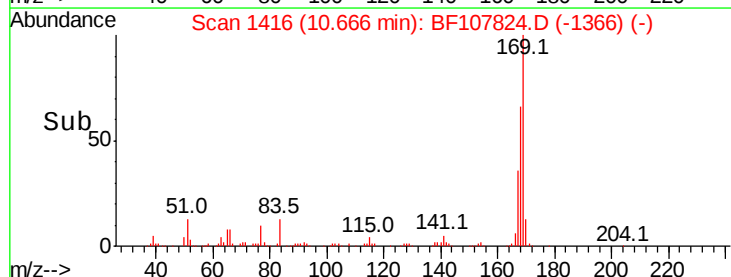
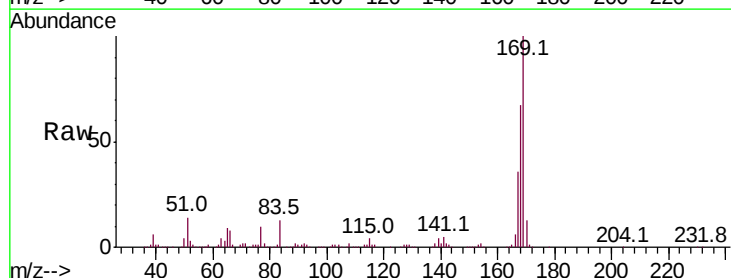
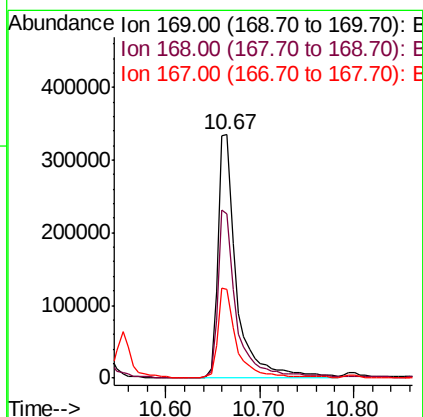
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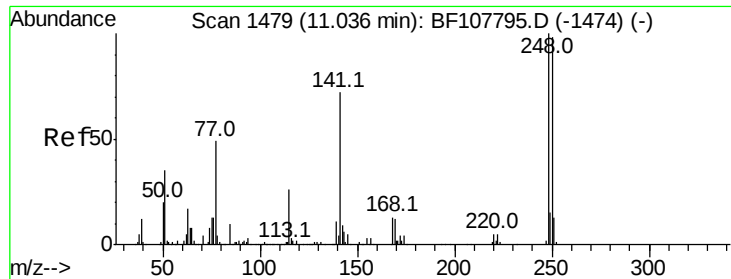
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#65
n-Nitrosodiphenylamine
Concen: 30.098 ng
RT: 10.67 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	464807		
168	67.5		54.4	81.6
167	36.5		29.8	44.6





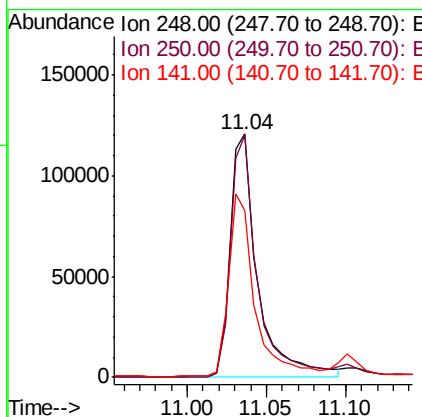
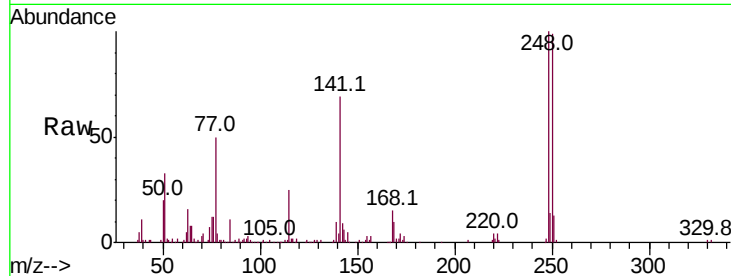
#66
4-Bromophenyl-phenylether
Concen: 26.606 ng
RT: 11.04 min Scan# 1479
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.5	76.9	115.3
141	68.7	74.4	111.6#

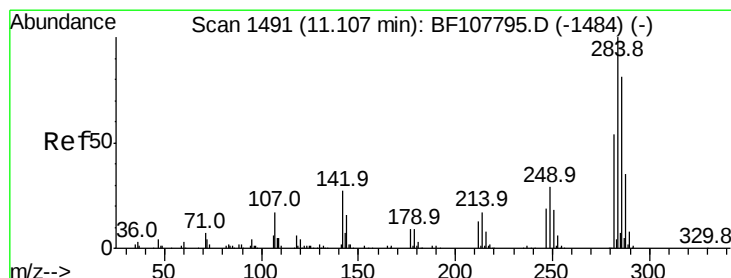
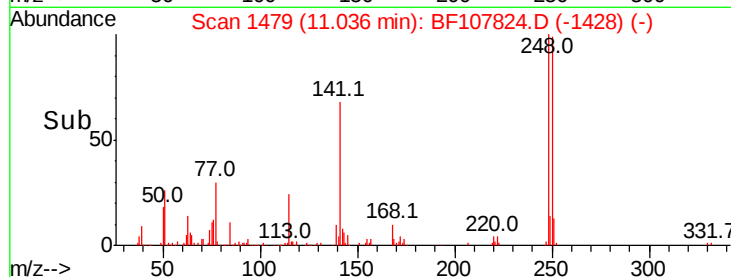
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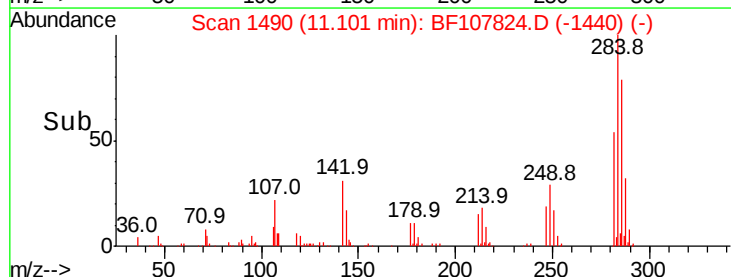
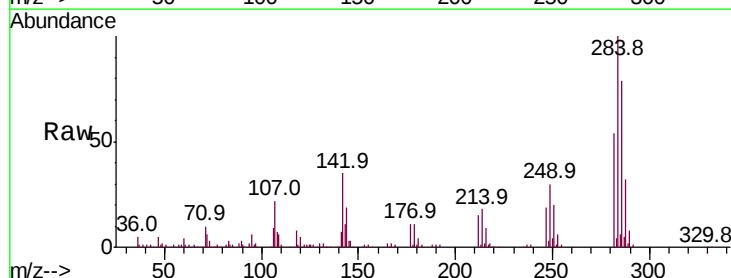
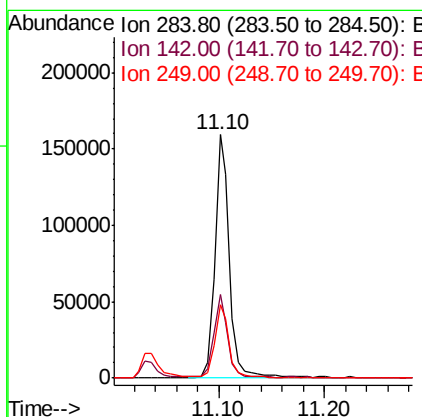
Sohil

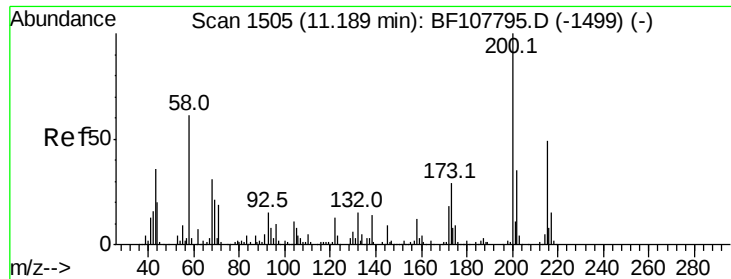
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#67
Hexachlorobenzene
Concen: 25.797 ng
RT: 11.10 min Scan# 1490
Delta R.T. -0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.5	34.6	52.0#
249	30.2	24.8	37.2





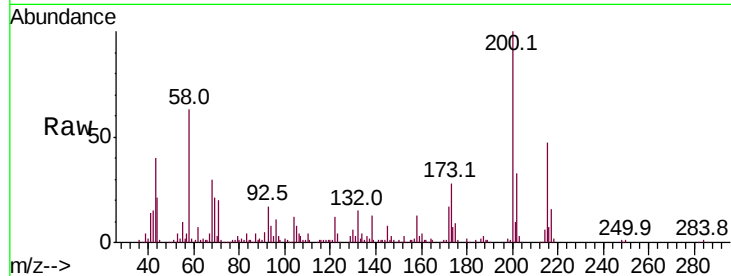
#68
Atrazine
Concen: 29.447 ng
RT: 11.18 min Scan# 1504
Delta R.T. -0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

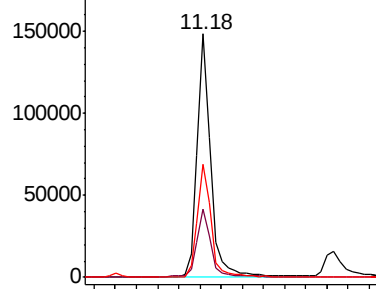
Tot Ion	Ratio	Resp	Lower	Upper
200	100			
173	28.0	8.6	48.6	
215	46.7	25.1	65.1	

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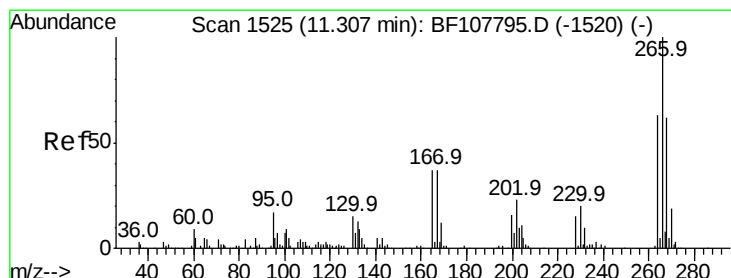
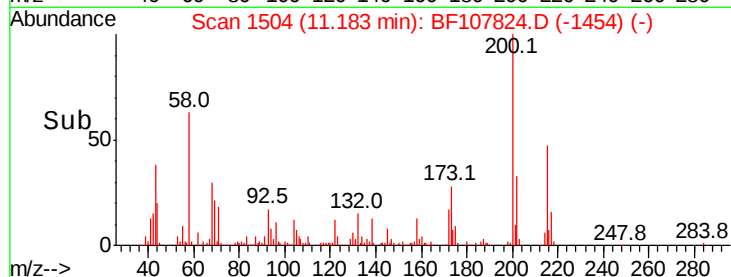


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E



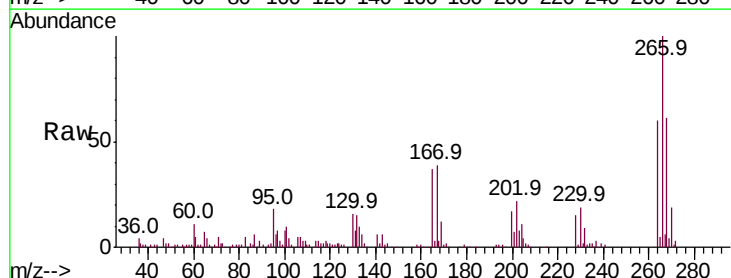
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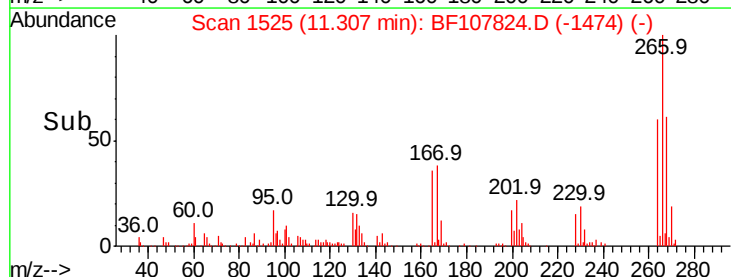
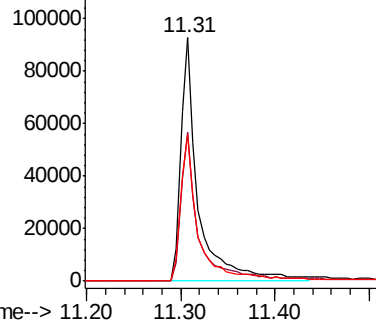


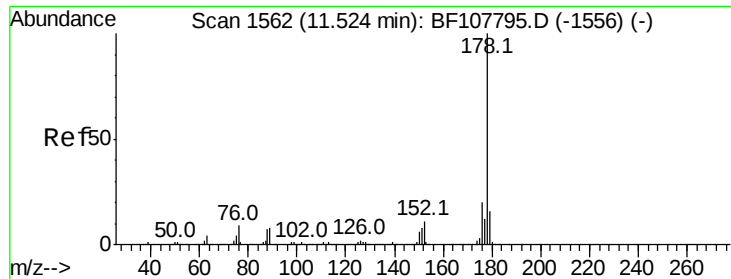
#69
Pentachlorophenol
Concen: 40.840 ng
RT: 11.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Resp	Lower	Upper
266	100			
268	61.3	51.1	76.7	
264	60.0	49.5	74.3	



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





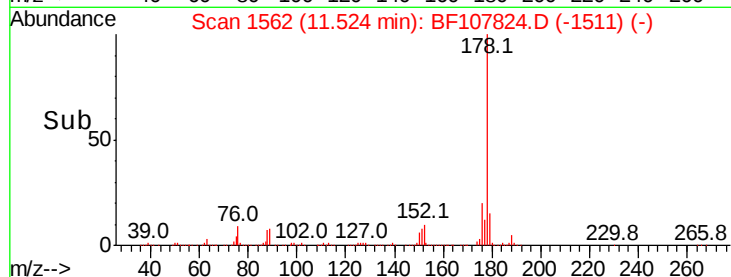
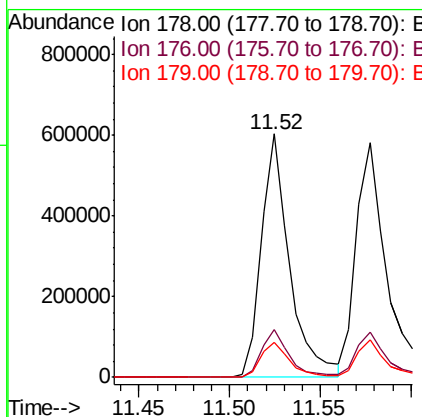
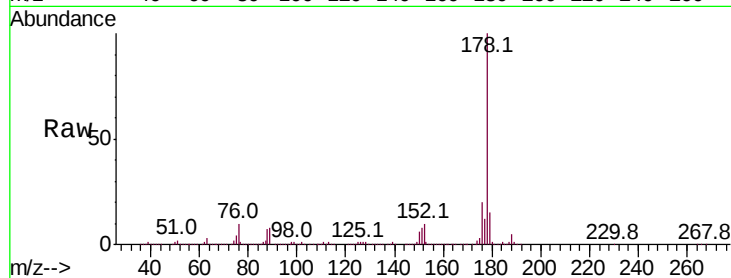
#70
Phenanthrene
Concen: 29.442 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	14.6	13.0	19.6

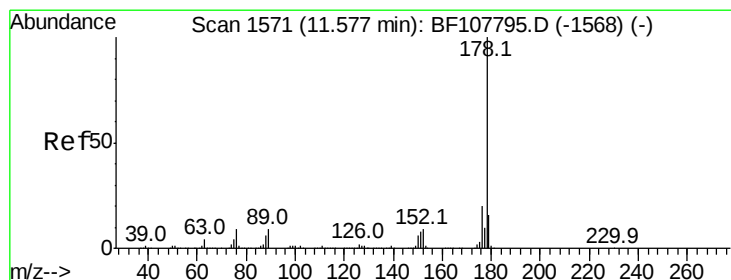
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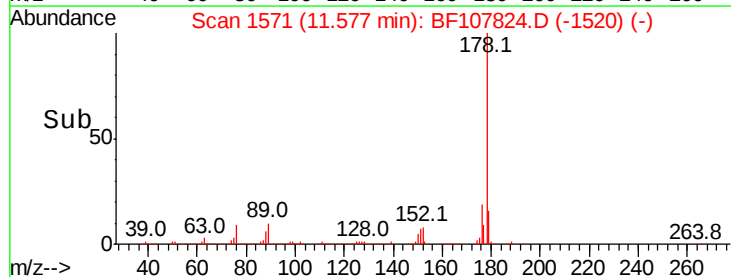
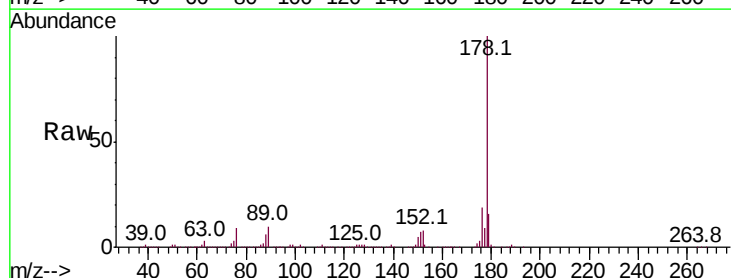
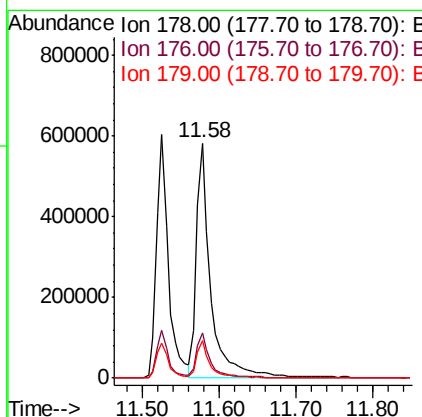
Sohil

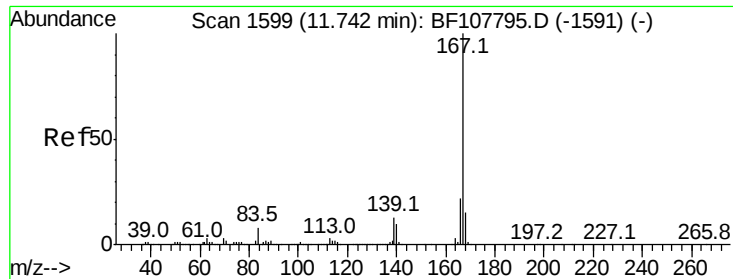
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#71
Anthracene
Concen: 29.513 ng
RT: 11.58 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.7	12.6	19.0





#72

Carbazole

Concen: 27.854 ng

RT: 11.74 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF107824.D

Acq: 31 Jul 2018 2:07

Instrument :

BNA_F

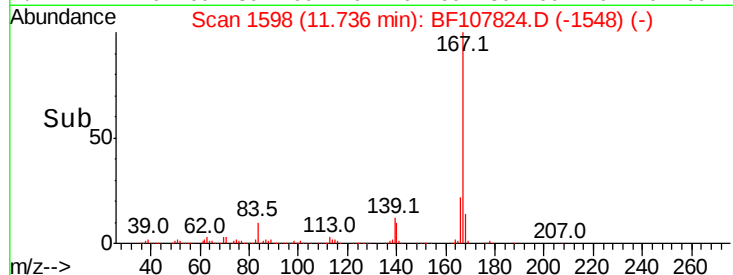
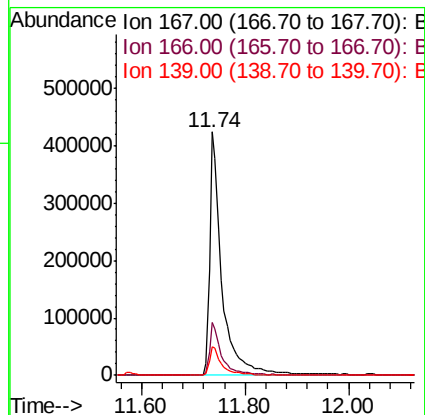
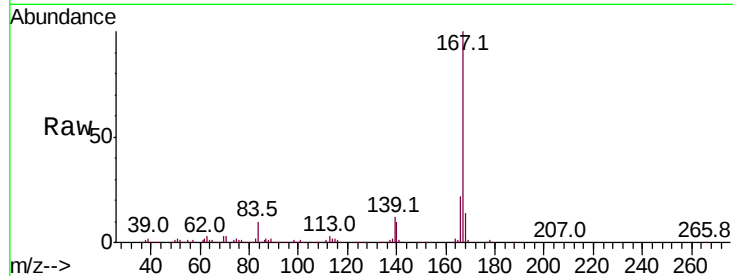
ClientSampleId :

TOPSOIL-072618MS

Tot Ion:167	Resp:	707037
Ion Ratio	Lower	Upper
167 100		
166 21.5	17.6	26.4
139 12.0	10.9	16.3

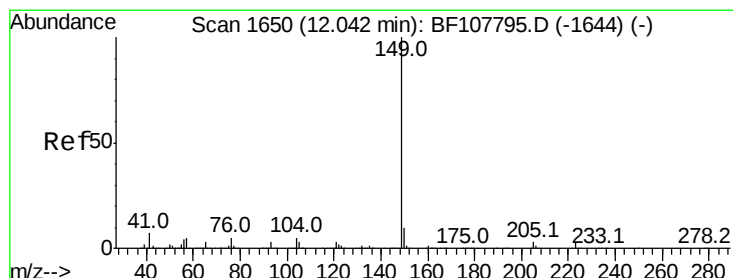
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#73

Di-n-butylphthalate

Concen: 30.434 ng

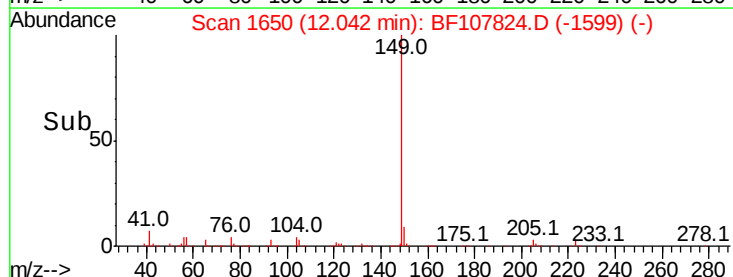
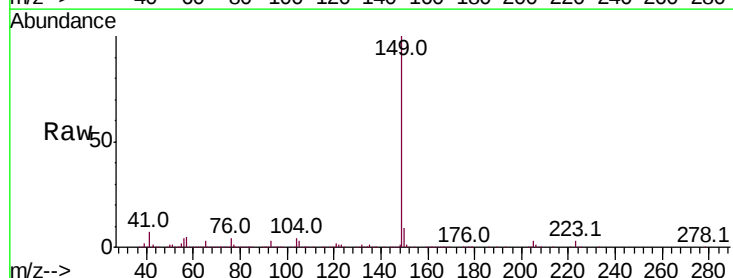
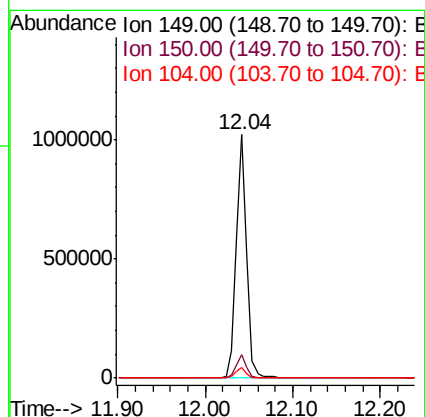
RT: 12.04 min Scan# 1650

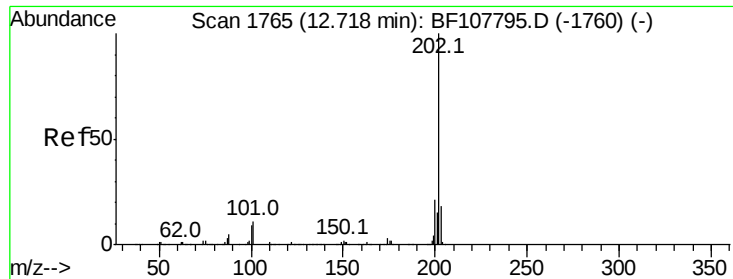
Delta R.T. 0.00 min

Lab File: BF107824.D

Acq: 31 Jul 2018 2:07

Tgt Ion:149	Resp:	842796
Ion Ratio	Lower	Upper
149 100		
150 9.4	7.8	11.6
104 4.3	3.8	5.8





#74

Fluoranthene

Concen: 30.248 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF107824.D

Acq: 31 Jul 2018 2:07

Instrument :

BNA_F

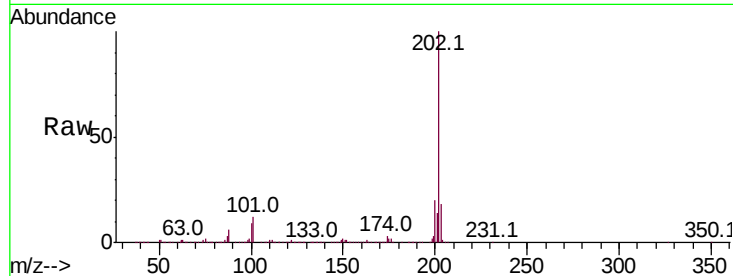
ClientSampleId :

TOPSOIL-072618MS

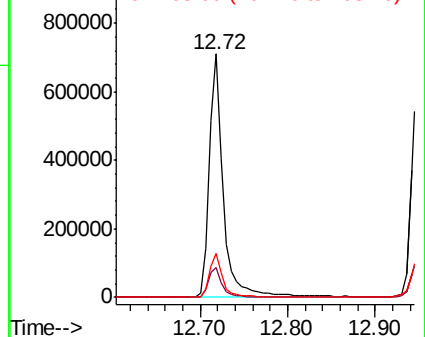
Tot Ion:	202	Resp:	791356
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	34.1
203	18.0	0.0	38.1

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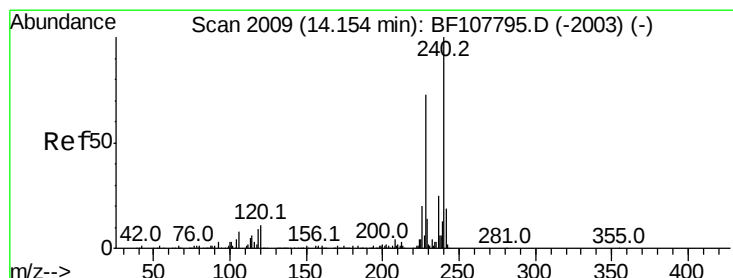
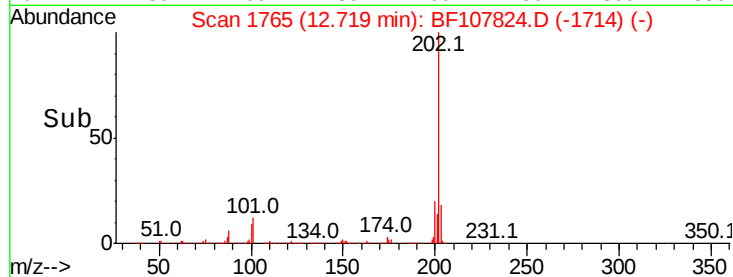


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



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#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

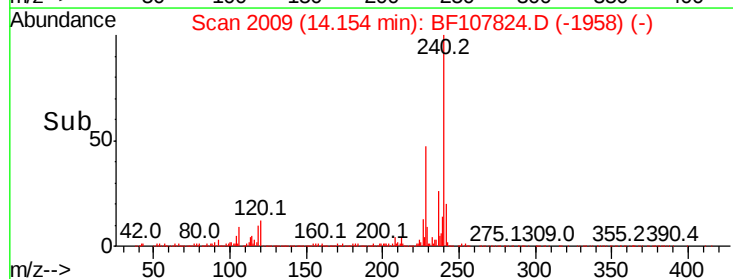
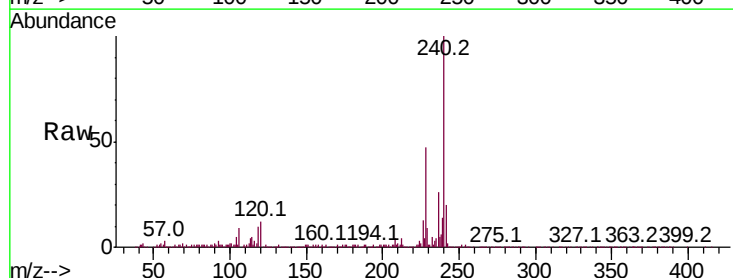
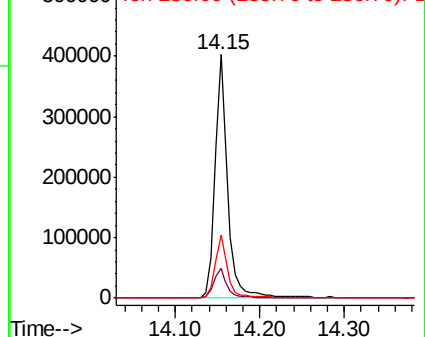
Delta R.T. 0.00 min

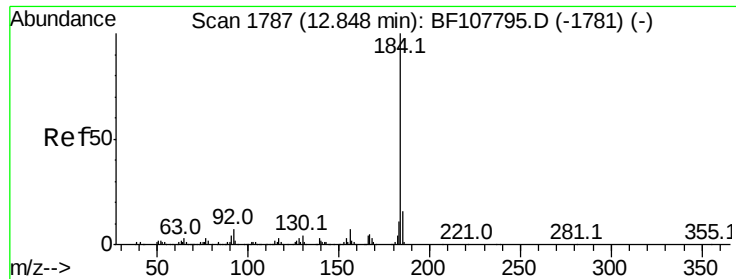
Lab File: BF107824.D

Acq: 31 Jul 2018 2:07

Tgt Ion:	240	Resp:	435177
Ion Ratio	Lower	Upper	
240	100		
120	12.2	9.5	14.3
236	26.0	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 12.011 ng

RT: 12.85 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF107824.D

Acq: 31 Jul 2018 2:07

Instrument :

BNA_F

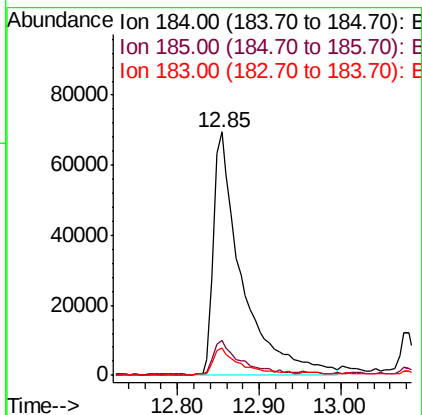
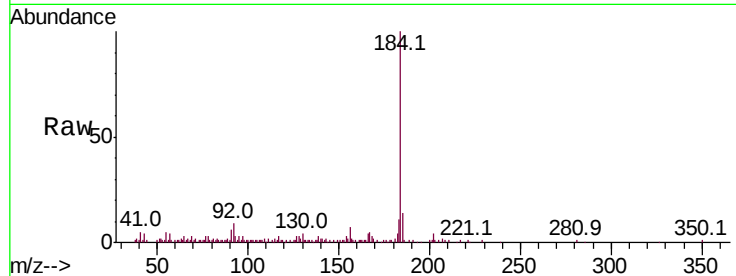
ClientSampleId :

TOPSOIL-072618MS

Tot Ion:	184	Resp:	169006
Ion Ratio	Lower	Upper	
184	100		
185	14.5	12.6	18.8
183	11.1	9.3	13.9

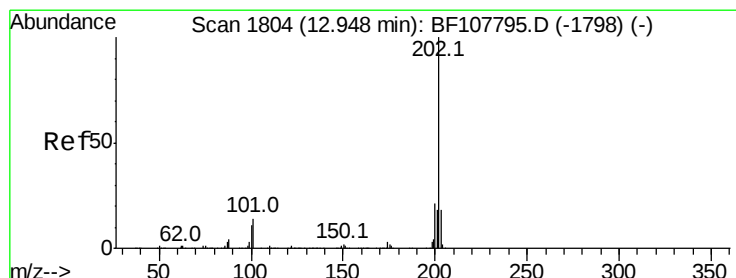
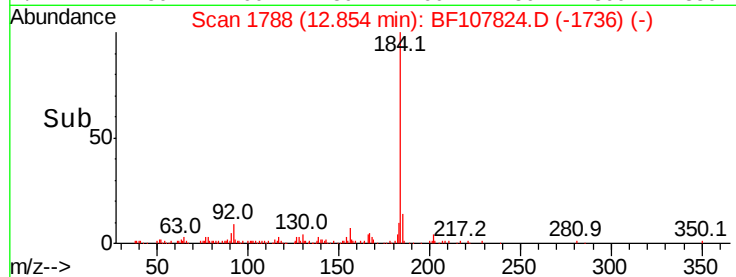
Manual Integrations
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#77

Pyrene

Concen: 25.387 ng

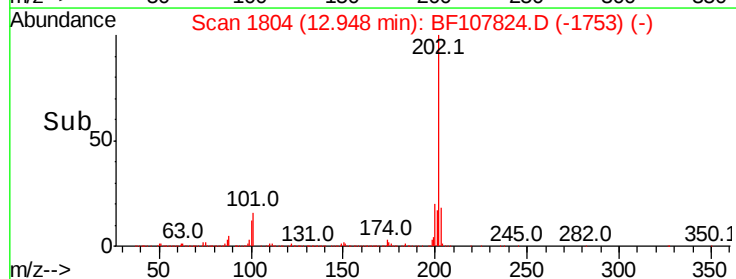
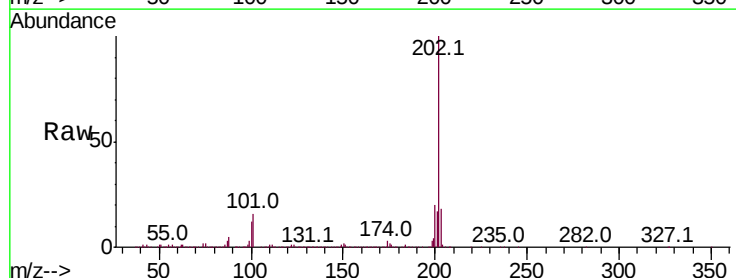
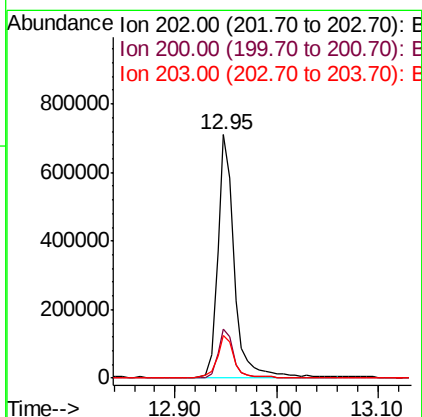
RT: 12.95 min Scan# 1804

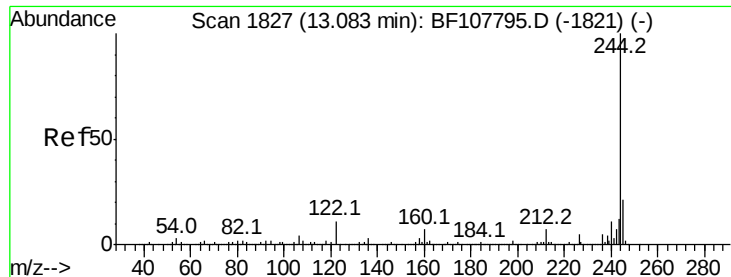
Delta R.T. 0.00 min

Lab File: BF107824.D

Acq: 31 Jul 2018 2:07

Tgt Ion:	202	Resp:	795551
Ion Ratio	Lower	Upper	
202	100		
200	20.1	17.4	26.2
203	17.8	14.3	21.5





#78

Terphenyl-d14

Concen: 54.389 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF107824.D

Acq: 31 Jul 2018 2:07

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-072618MS

Tot Ion:244 Resp: 1091524

Ion Ratio Lower Upper

244 100

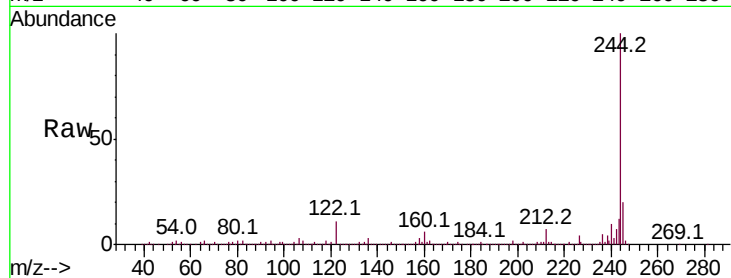
212 6.6 5.4 8.0

122 10.9 11.0 16.4#

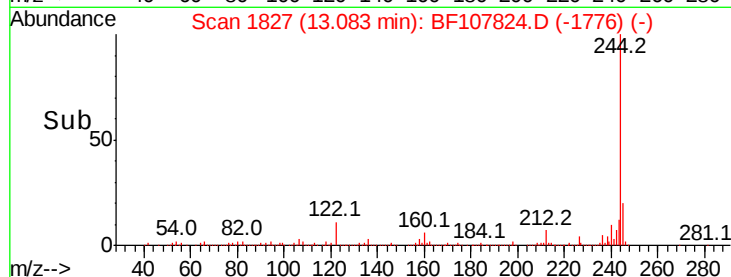
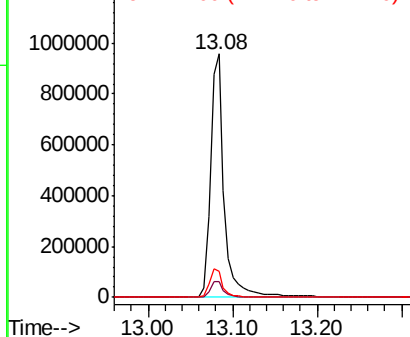
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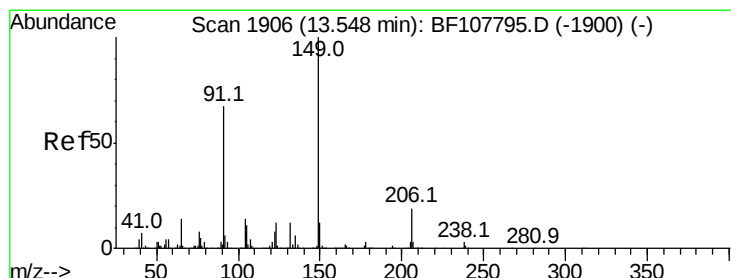


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



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#79

Butylbenzylphthalate

Concen: 26.141 ng

RT: 13.55 min Scan# 1906

Delta R.T. 0.00 min

Lab File: BF107824.D

Acq: 31 Jul 2018 2:07

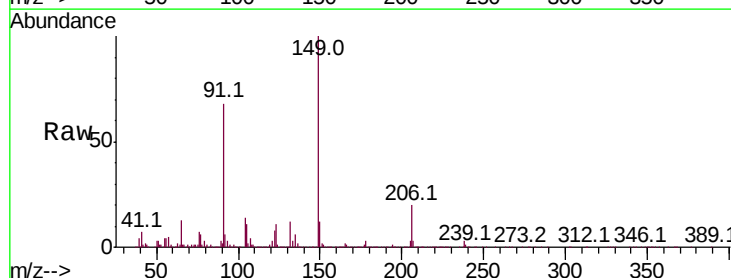
Tgt Ion:149 Resp: 358727

Ion Ratio Lower Upper

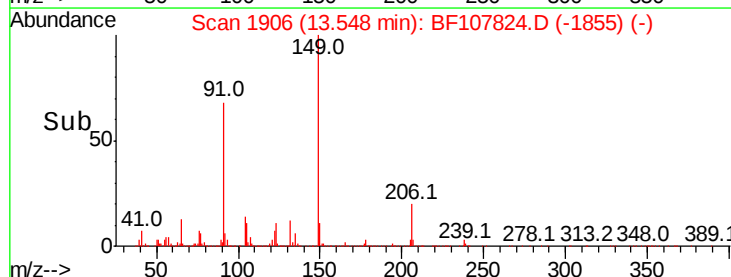
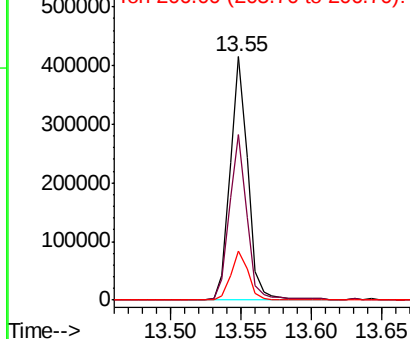
149 100

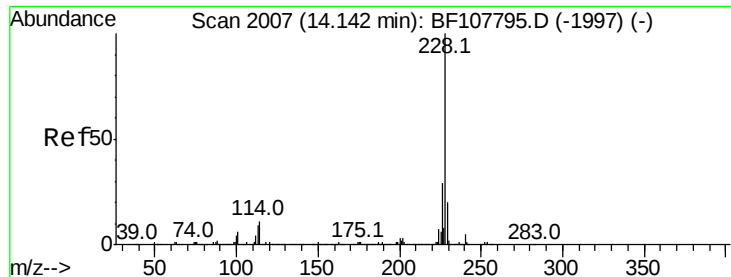
91 67.9 56.8 85.2

206 20.2 14.1 21.1



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E





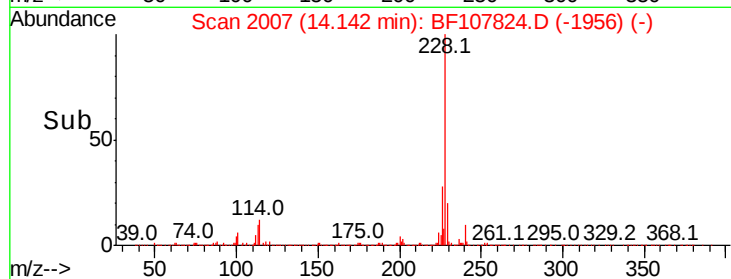
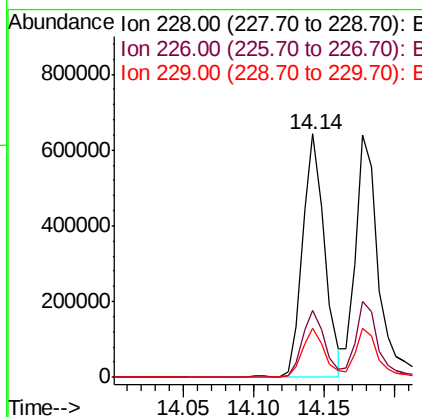
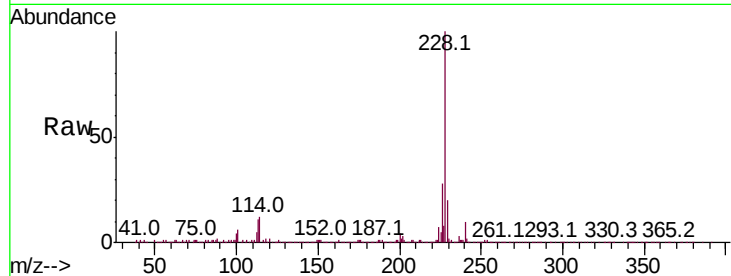
#80
Benzo(a)anthracene
Concen: 28.037 ng
RT: 14.14 min Scan# 2007
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	20.4	15.8	23.6

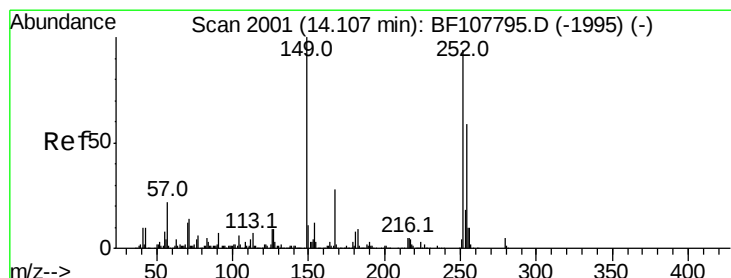
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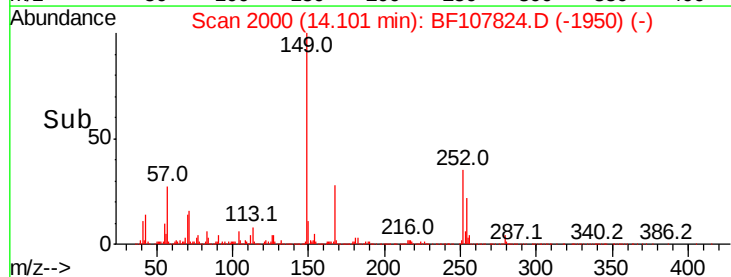
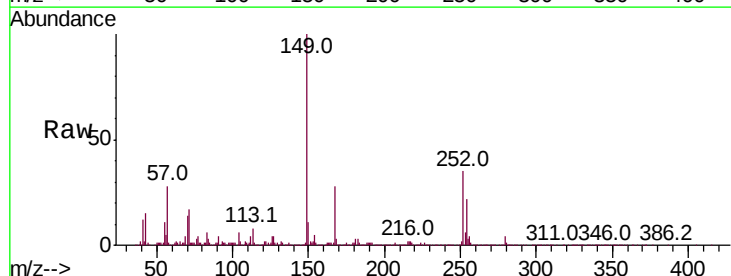
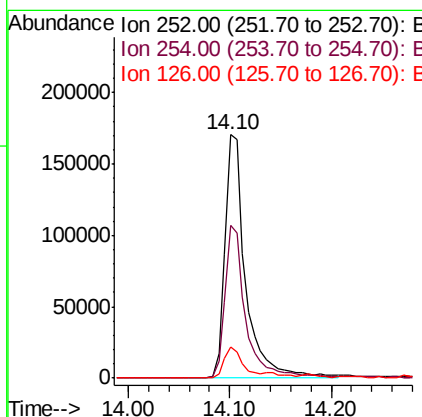
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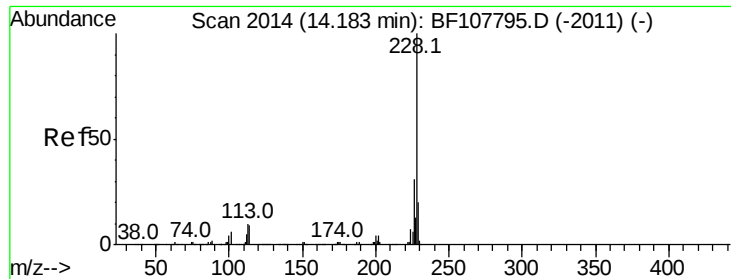
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#81
3,3'-Dichlorobenzidine
Concen: 25.390 ng
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.7	50.4	75.6
126	12.6	11.3	16.9





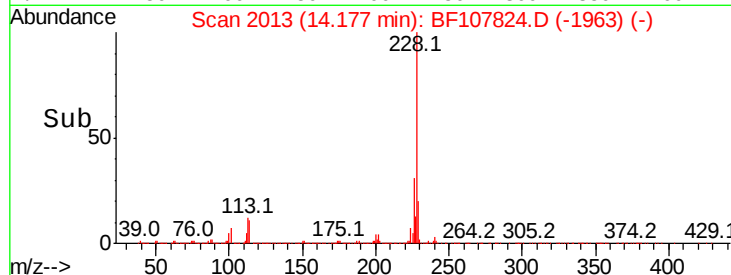
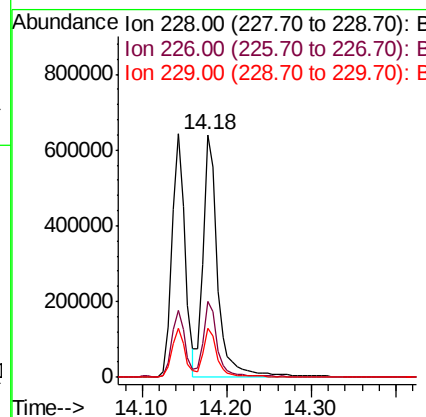
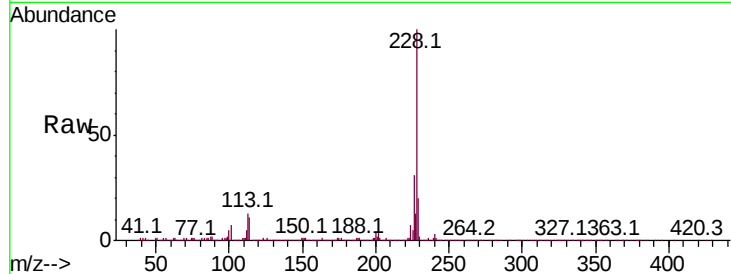
#82
Chrysene
Concen: 28.316 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	20.4	16.2	24.4

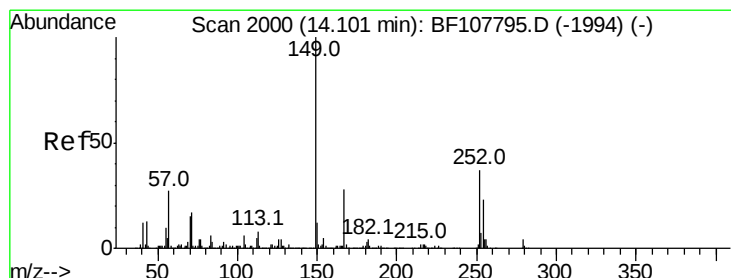
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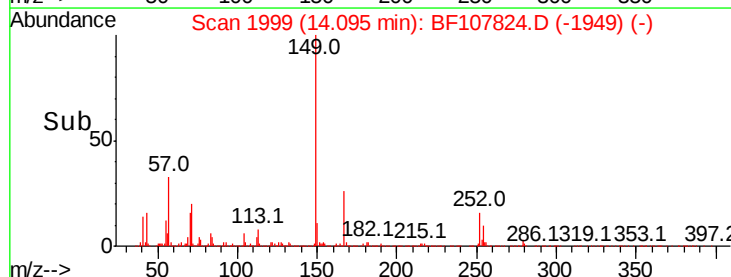
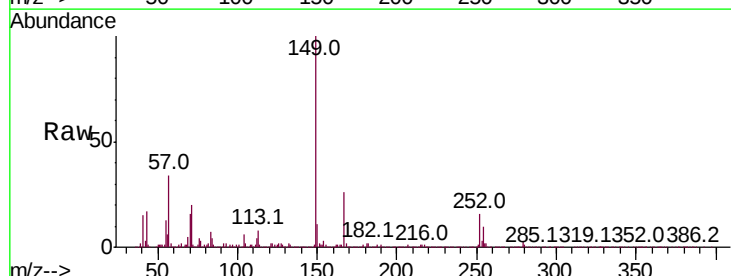
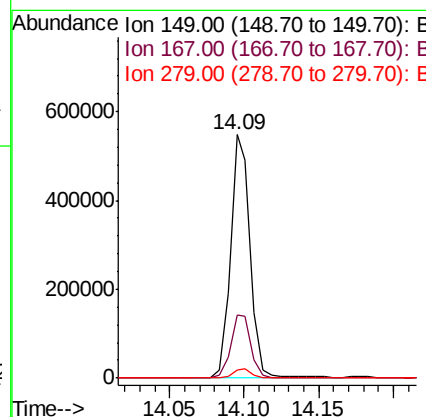
Sohil

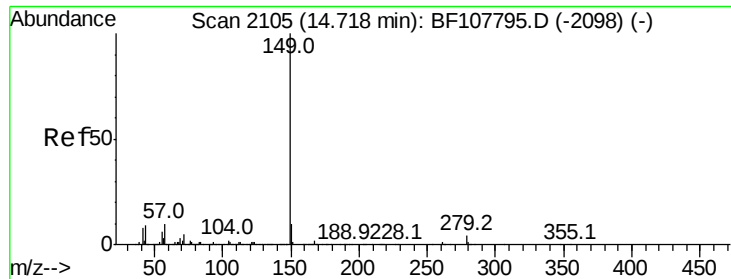
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#83
Bis(2-ethylhexyl)phthalate
Concen: 29.117 ng
RT: 14.09 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.3	31.9
279	3.2	3.0	4.4





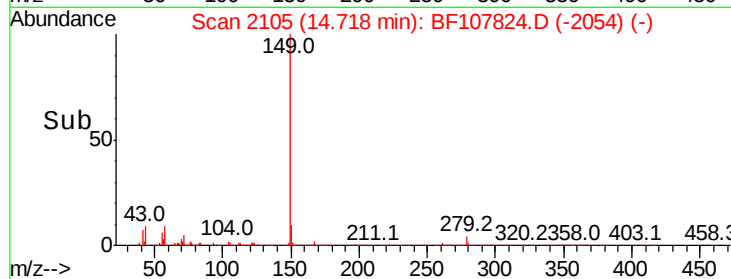
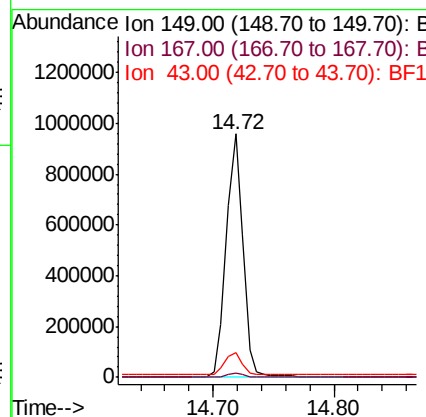
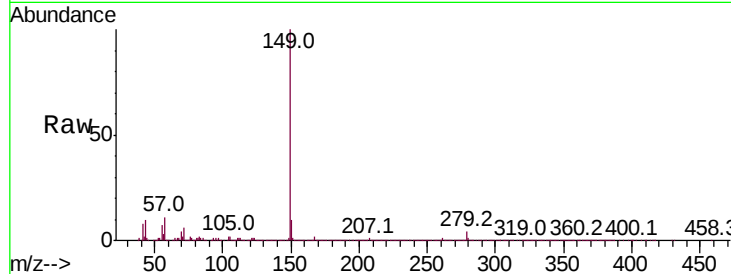
#84
Di-n-octyl phthalate
Concen: 32.942 ng
RT: 14.72 min Scan# 2105
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.6	1.2	1.8	
43	9.9	8.4	12.6	

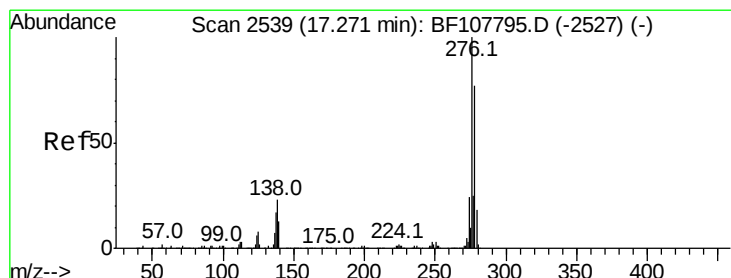
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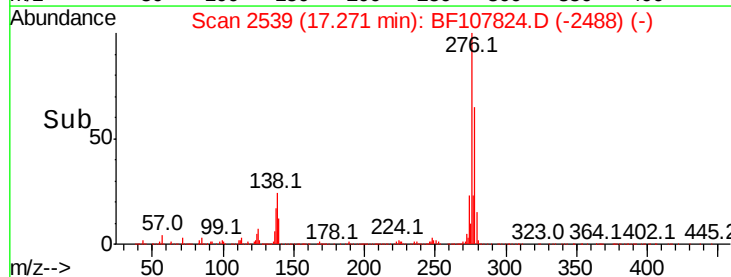
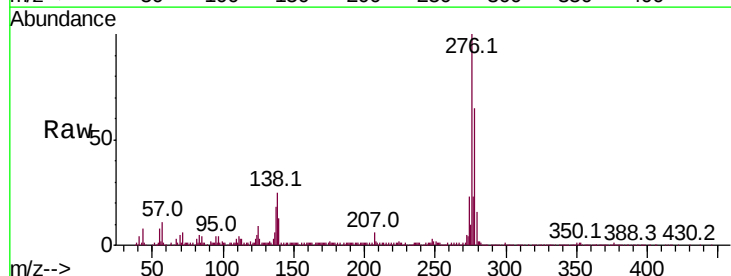
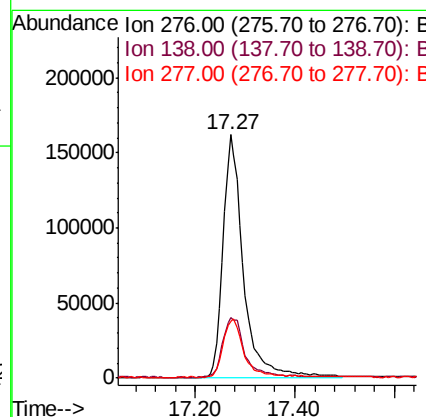
Sohil

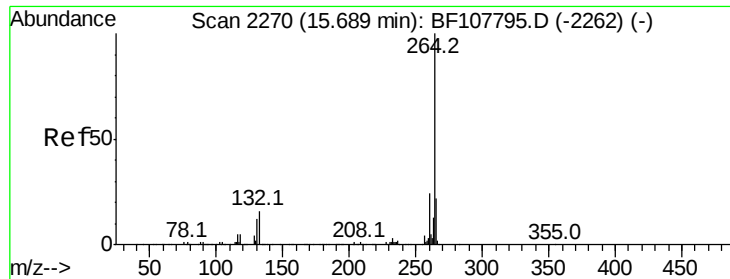
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#85
Indeno(1,2,3-cd)pyrene
Concen: 22.681 ng
RT: 17.27 min Scan# 2539
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	27.1	25.0	37.6	
277	25.5	20.1	30.1	





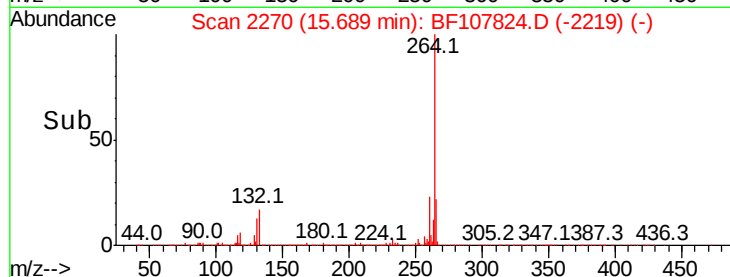
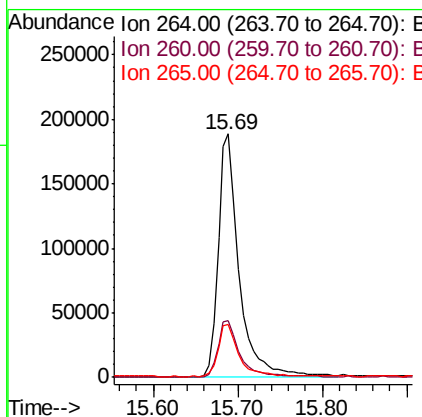
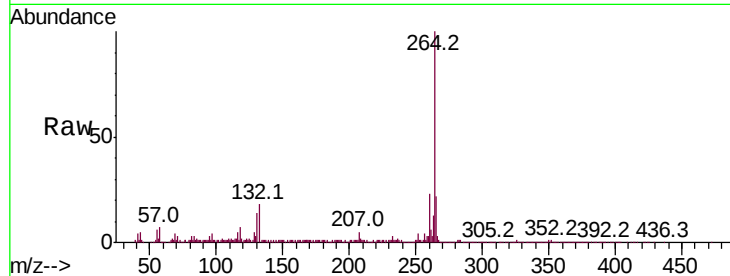
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.9	17.5	26.3

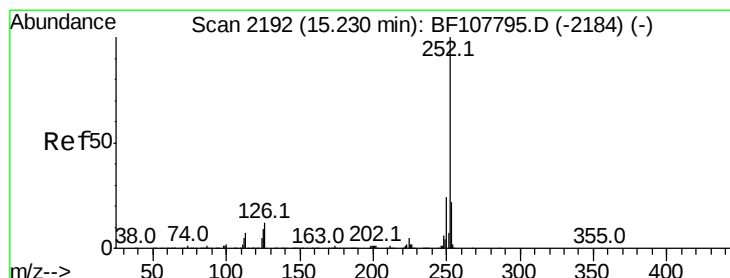
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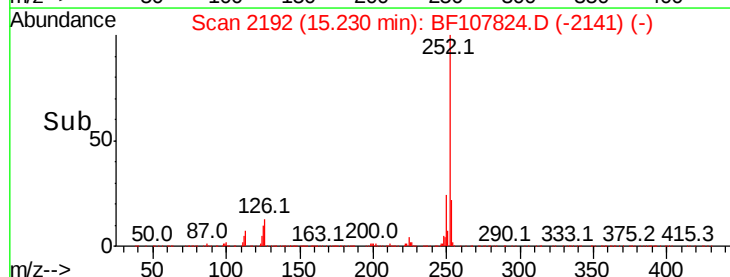
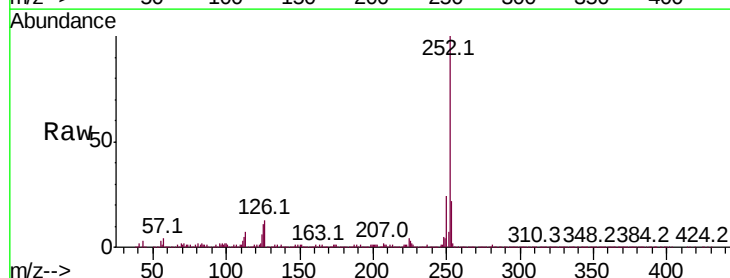
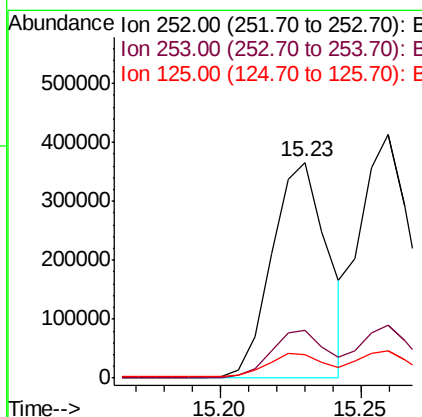
Sohil

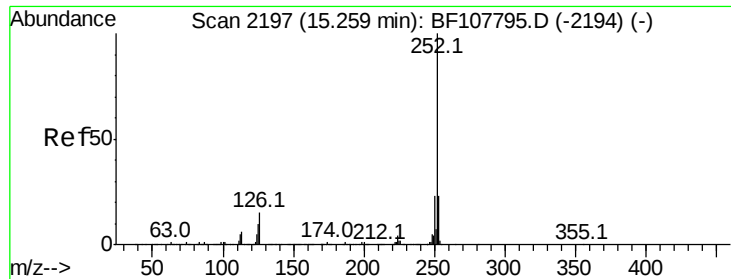
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#87
Benzo(b)fluoranthene
Concen: 31.062 ng
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	11.0	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 30.502 ng

RT: 15.26 min Scan# 2197

Delta R.T. 0.00 min

Lab File: BF107824.D

Acq: 31 Jul 2018 2:07

Instrument :

BNA_F

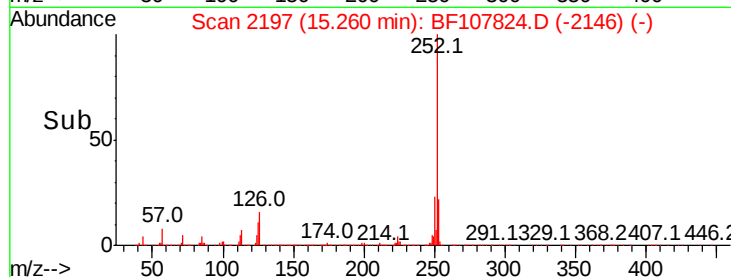
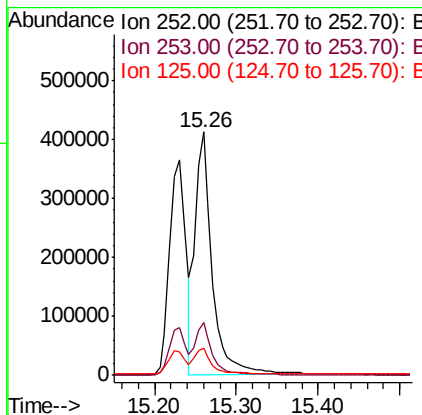
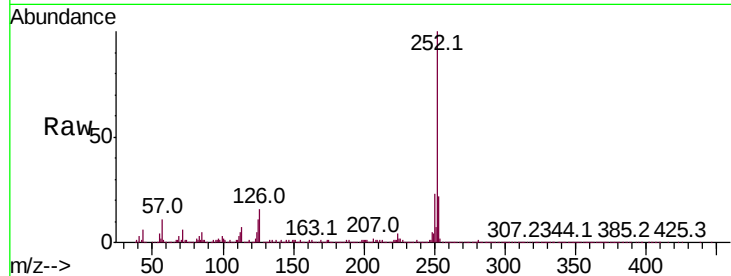
ClientSampleId :

TOPSOIL-072618MS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	600585		
253	21.9		17.9	26.9
125	11.1		10.2	15.2

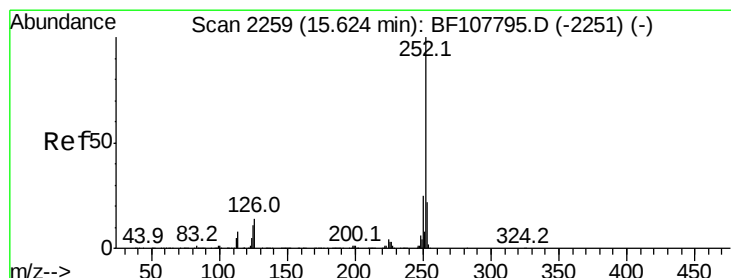
Manual Integrations
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#89

Benzo(a)pyrene

Concen: 28.786 ng

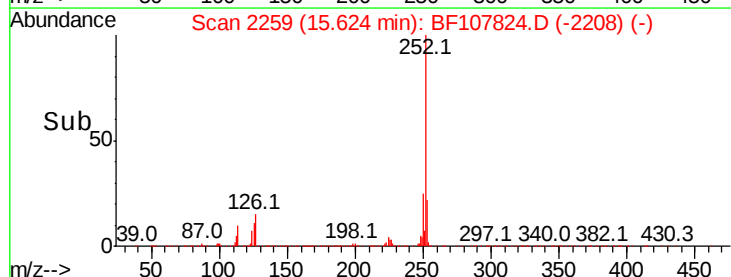
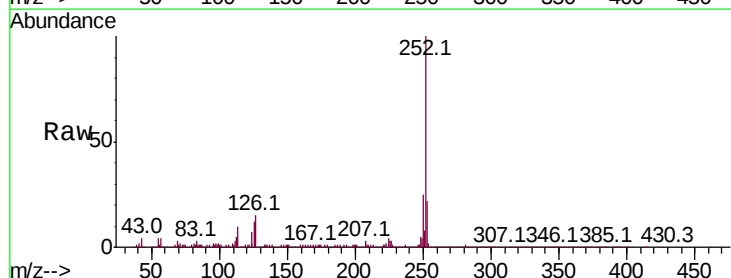
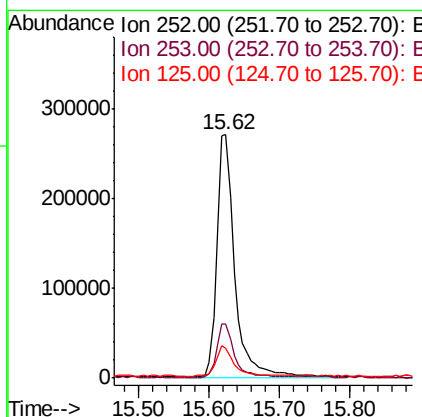
RT: 15.62 min Scan# 2259

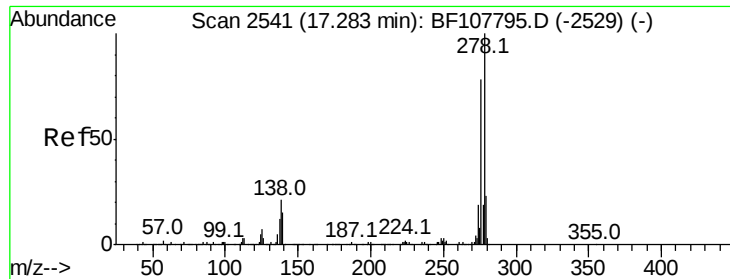
Delta R.T. 0.00 min

Lab File: BF107824.D

Acq: 31 Jul 2018 2:07

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	476590		
253	22.2		17.1	25.7
125	12.2		9.8	14.6





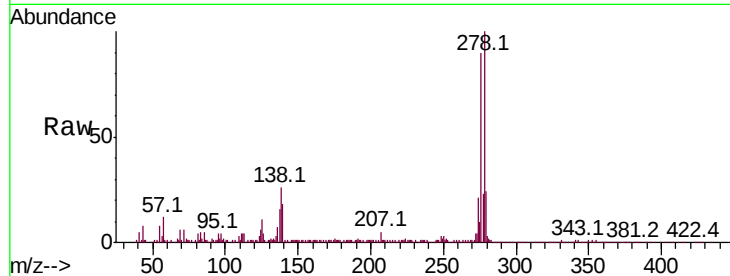
#90
Dibenzo(a,h)anthracene
Concen: 26.762 ng
RT: 17.28 min Scan# 2541
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

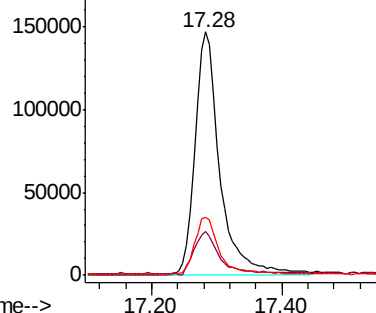
Tot Ion:	278	Resp:	386497
Ion Ratio	Lower	Upper	
278	100		
139	18.0	15.9	23.9
279	24.0	19.0	28.4

Manual Integrations
APPROVED

Sohil
7/31/2018 2:43:02 PM

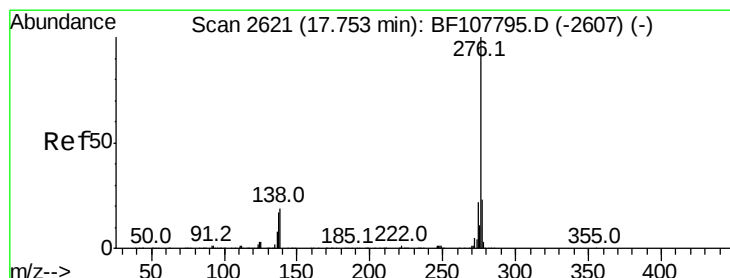
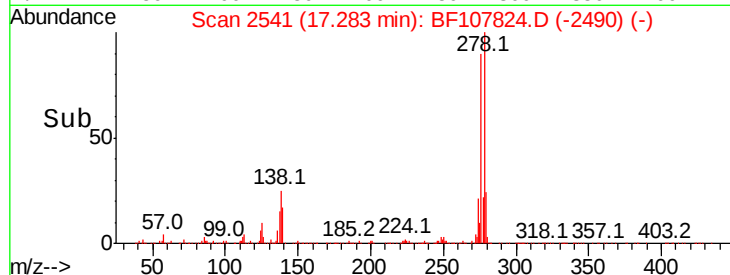


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



Sohil

7/31/2018 2:43:02 PM



#91
Benzo(g,h,i)perylene
Concen: 26.312 ng
RT: 17.75 min Scan# 2621
Delta R.T. 0.00 min
Lab File: BF107824.D
Acq: 31 Jul 2018 2:07

Tgt Ion:	276	Resp:	367690
Ion Ratio	Lower	Upper	
276	100		
277	23.1	17.9	26.9
138	22.6	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

