

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
 Data File : BF122985.D
 Acq On : 18 Jan 2021 13:25
 Operator : JU/CG
 Sample : M1100-03MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-RBF-DARKMSD

Quant Time: Jan 18 13:49:34 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 18 13:14:08 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	241621	20.00	ng	0.00
21) Naphthalene-d8	8.181	136	957008	20.00	ng	# 0.00
39) Acenaphthene-d10	9.939	164	418439	20.00	ng	0.00
64) Phenanthrene-d10	11.428	188	683647	20.00	ng	# 0.00
76) Chrysene-d12	14.074	240	515727	20.00	ng	# 0.00
86) Perylene-d12	15.551	264	438450	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1356585	84.87	ng	0.00
7) Phenol-d6	6.516	99	1780830	82.90	ng	0.00
23) Nitrobenzene-d5	7.457	82	1103898	59.36	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	358188	75.70	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1749795	58.56	ng	0.00
79) Terphenyl-d14	13.016	244	1471972	52.33	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.746	88	275780	35.52	ng	# 79
3) Pyridine	3.505	79	863089	41.08	ng	# 81
4) n-Nitrosodimethylamine	3.452	42	418193	44.59	ng	86
6) Aniline	6.557	93	531864	20.52	ng	95
8) 2-Chlorophenol	6.681	128	786047	46.57	ng	95
9) Benzaldehyde	6.440	77	125669	8.90	ng	96
10) Phenol	6.534	94	1067069	49.46	ng	89
11) bis(2-Chloroethyl)ether	6.628	93	803777	46.01	ng	90
12) 1,3-Dichlorobenzene	6.840	146	835446	42.76	ng	97
13) 1,4-Dichlorobenzene	6.916	146	839757	42.69	ng	98
14) 1,2-Dichlorobenzene	7.069	146	807918	44.03	ng	98
15) Benzyl Alcohol	7.034	79	692557	45.74	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	1290845	42.40	ng	92
17) 2-Methylphenol	7.145	107	656575	45.85	ng	98
18) Hexachloroethane	7.410	117	307984	43.32	ng	89
19) n-Nitroso-di-n-propyla...	7.310	70	559759	43.99	ng	90
20) 3+4-Methylphenols	7.293	107	805529	44.97	ng	# 82
22) Acetophenone	7.304	105	1023905	42.54	ng	95
24) Nitrobenzene	7.475	77	858882	45.06	ng	96
25) Isophorone	7.716	82	1457352	43.92	ng	99
26) 2-Nitrophenol	7.792	139	382269	44.40	ng	95
27) 2,4-Dimethylphenol	7.828	122	676225	49.32	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	909381	40.54	ng	100
29) 2,4-Dichlorophenol	8.034	162	609253	42.56	ng	97
30) 1,2,4-Trichlorobenzene	8.122	180	614508	40.30	ng	99
31) Naphthalene	8.204	128	2051521	41.70	ng	100
32) Benzoic acid	7.945	122	503327	43.69	ng	98
33) 4-Chloroaniline	8.245	127	203691	9.49	ng	96
34) Hexachlorobutadiene	8.322	225	329912	39.58	ng	99
35) Caprolactam	8.616	113	136692	28.09	ng	# 66
36) 4-Chloro-3-methylphenol	8.728	107	667115	43.82	ng	98
37) 2-Methylnaphthalene	8.892	142	1470812	43.34	ng	98
38) 1-Methylnaphthalene	8.992	142	1362799	42.52	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	533941	46.48	ng	# 96
41) Hexachlorocyclopentadiene	9.051	237	668377	119.78	ng	100
43) 2,4,6-Trichlorophenol	9.169	196	426356	49.79	ng	99

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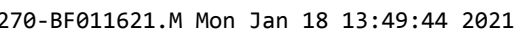
Instrument :
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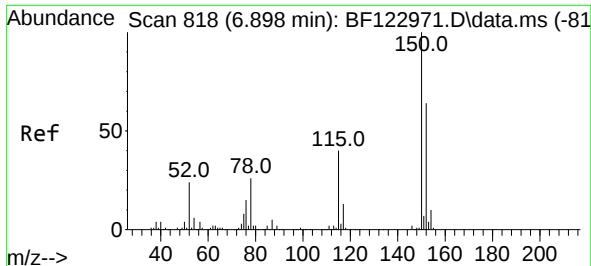
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	437777	50.39	ng	95
46) 1,1'-Biphenyl	9.357	154	1556643	45.74	ng	97
47) 2-Chloronaphthalene	9.386	162	1235018	43.50	ng	96
48) 2-Nitroaniline	9.475	65	395121	40.83	ng #	76
49) Acenaphthylene	9.804	152	1634039	39.45	ng	100
50) Dimethylphthalate	9.663	163	1434342	44.16	ng	100
51) 2,6-Dinitrotoluene	9.716	165	279051	39.28	ng #	71
52) Acenaphthene	9.975	154	1238597	46.26	ng	99
53) 3-Nitroaniline	9.881	138	160330	18.26	ng	88
54) 2,4-Dinitrophenol	9.992	184	280737	70.82	ng #	87
55) Dibenzofuran	10.145	168	1668988	44.72	ng	98
56) 4-Nitrophenol	10.045	139	597550	92.32	ng #	87
57) 2,4-Dinitrotoluene	10.122	165	435997	47.71	ng	90
58) Fluorene	10.492	166	1220975	41.83	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	319416	46.06	ng #	82
60) Diethylphthalate	10.363	149	1253323	39.71	ng	97
61) 4-Chlorophenyl-phenyle...	10.481	204	511379	38.96	ng	90
62) 4-Nitroaniline	10.504	138	309232	35.70	ng	94
63) Azobenzene	10.639	77	1359288	43.04	ng	91
65) 4,6-Dinitro-2-methylph...	10.528	198	190174	49.39	ng #	64
66) n-Nitrosodiphenylamine	10.598	169	1132164	44.36	ng	98
67) 4-Bromophenyl-phenylether	10.969	248	325450	38.94	ng #	88
68) Hexachlorobenzene	11.039	284	368928	38.60	ng	94
69) Atrazine	11.122	200	261667	38.51	ng	95
70) Pentachlorophenol	11.228	266	439729	87.48	ng	99
71) Phenanthrene	11.451	178	1820484	44.43	ng	100
72) Anthracene	11.504	178	1742605	43.04	ng	100
73) Carbazole	11.657	167	1671833	42.60	ng	99
74) Di-n-butylphthalate	11.992	149	1946191	41.90	ng	99
75) Fluoranthene	12.645	202	1701961	41.06	ng	98
77) Benzidine	12.757	184	421073	30.83	ng	100
78) Pyrene	12.874	202	1674408	40.55	ng	99
80) Butylbenzylphthalate	13.492	149	887872	47.97	ng	92
81) Benzo(a)anthracene	14.063	228	1467173	42.51	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	263855	23.35	ng #	97
83) Chrysene	14.104	228	1455923	41.82	ng	99
84) Bis(2-ethylhexyl)phtha...	14.057	149	1199245	48.60	ng	99
85) Di-n-octyl phthalate	14.668	149	1917921	48.06	ng #	91
87) Indeno(1,2,3-cd)pyrene	17.045	276	1318851	47.75	ng #	94
88) Benzo(b)fluoranthene	15.121	252	1312279	44.35	ng	98
89) Benzo(k)fluoranthene	15.151	252	1243130	40.97	ng	99
90) Benzo(a)pyrene	15.486	252	1217085	45.53	ng #	96
91) Dibenzo(a,h)anthracene	17.062	278	1083904	47.89	ng #	97
92) Benzo(g,h,i)perylene	17.492	276	1173188	53.55	ng #	95

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

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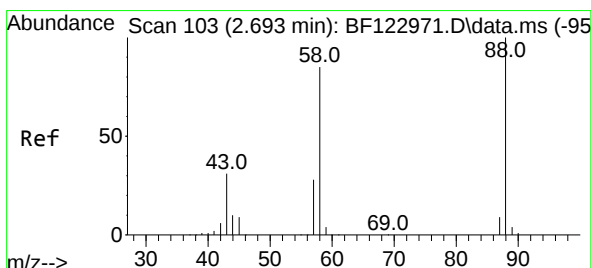
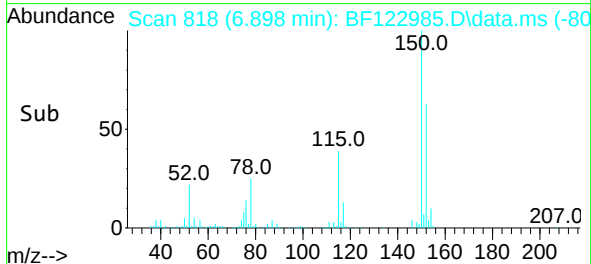
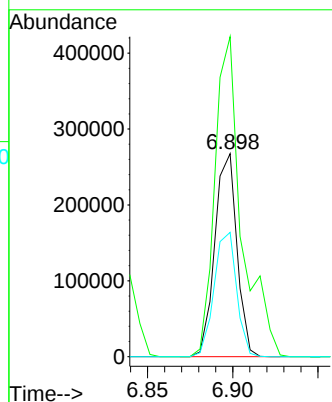
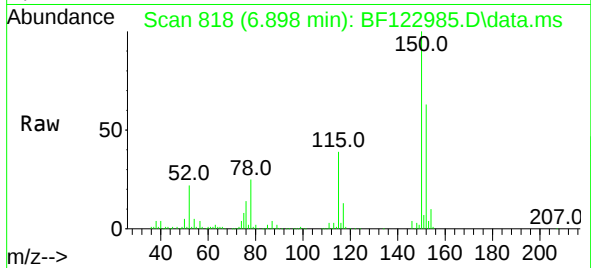




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.898 min Scan# 818
 Delta R.T. 0.000 min
 Lab File: BF122985.D
 Acq: 18 Jan 2021 13:25

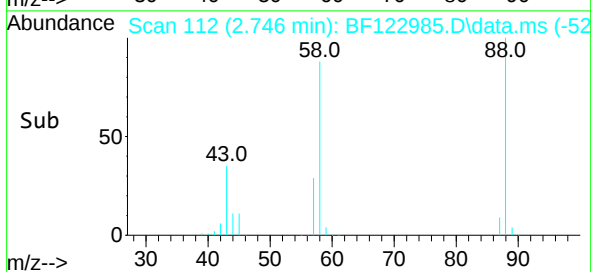
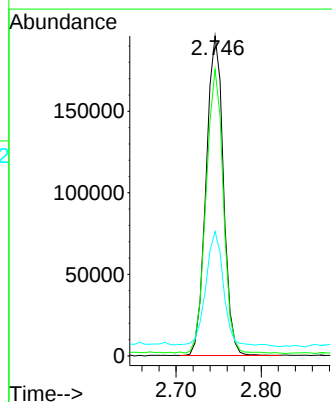
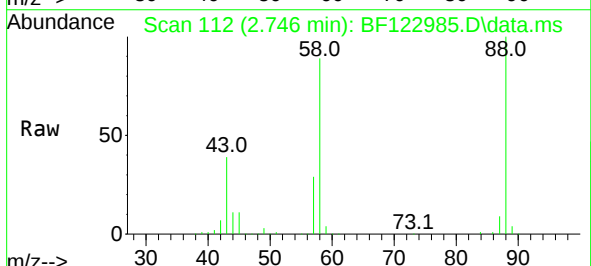
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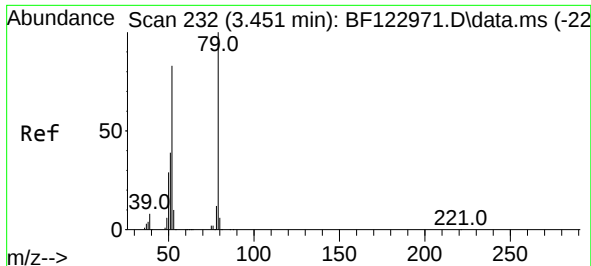
Tgt Ion:152 Resp: 241621
 Ion Ratio Lower Upper
 152 100
 150 157.5 125.8 188.6
 115 61.2 49.3 73.9



#2
 1,4-Dioxane
 Concen: 35.52 ng
 RT: 2.746 min Scan# 112
 Delta R.T. 0.053 min
 Lab File: BF122985.D
 Acq: 18 Jan 2021 13:25

Tgt Ion: 88 Resp: 275780
 Ion Ratio Lower Upper
 88 100
 58 89.2 56.2 84.2#
 43 35.6 21.8 32.6#

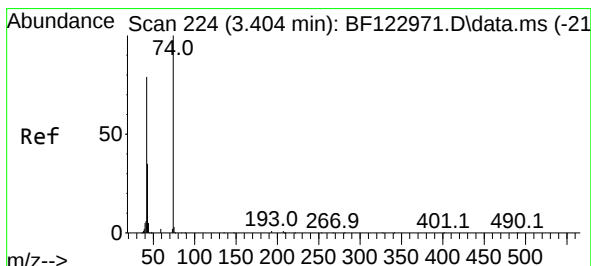
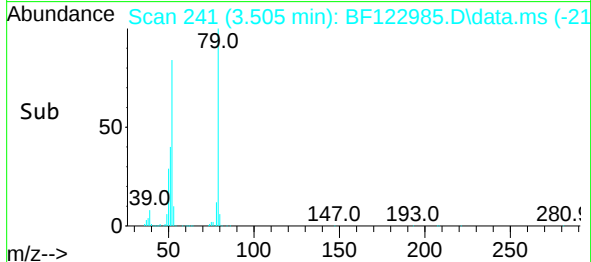
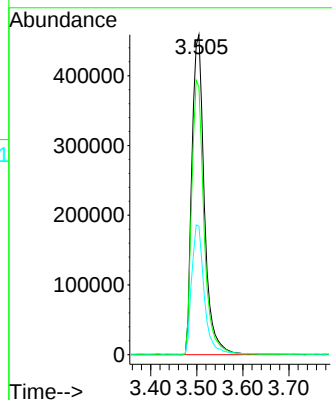
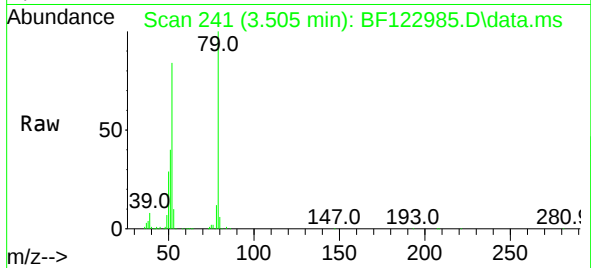




#3
Pyridine
Concen: 41.08 ng
RT: 3.505 min Scan# 241
Delta R.T. 0.053 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

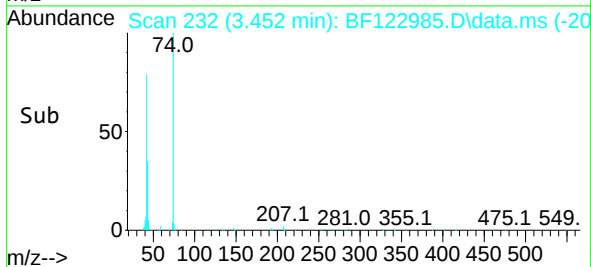
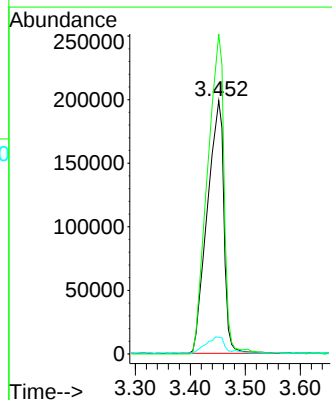
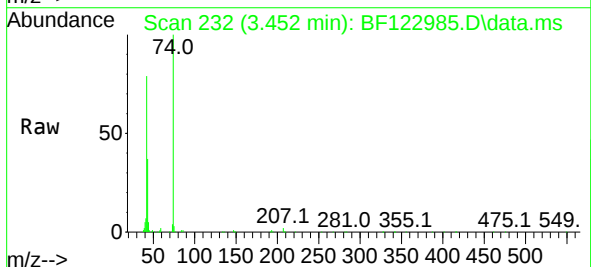
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

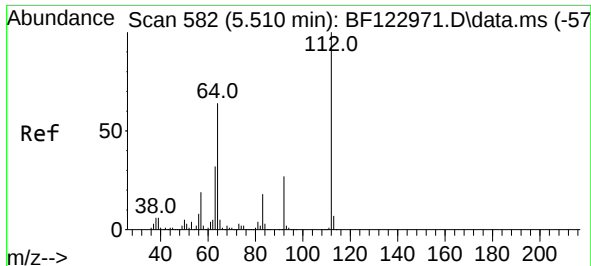
Tgt Ion: 79 Resp: 863089
Ion Ratio Lower Upper
79 100
52 83.7 53.0 79.4#
51 40.2 26.6 39.8#



#4
n-Nitrosodimethylamine
Concen: 44.59 ng
RT: 3.452 min Scan# 232
Delta R.T. 0.047 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion: 42 Resp: 418193
Ion Ratio Lower Upper
42 100
74 126.3 115.2 172.8
44 6.6 5.4 8.0

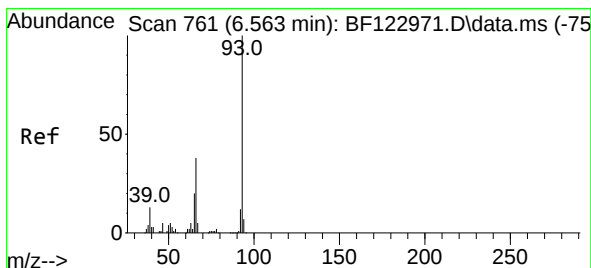
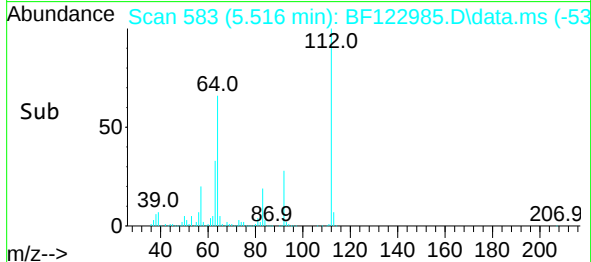
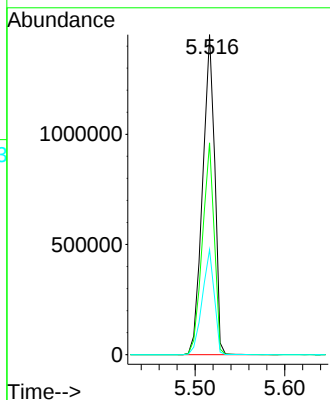
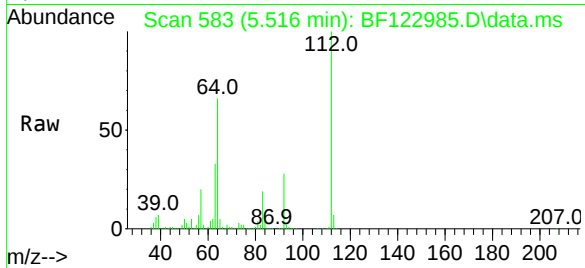




#5
2-Fluorophenol
Concen: 84.87 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.006 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

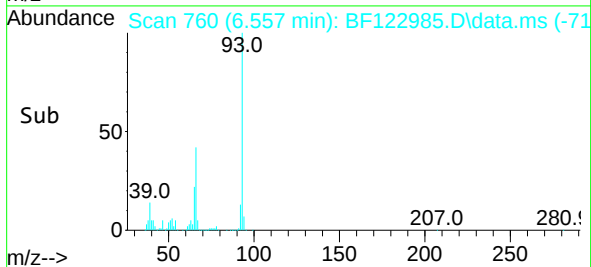
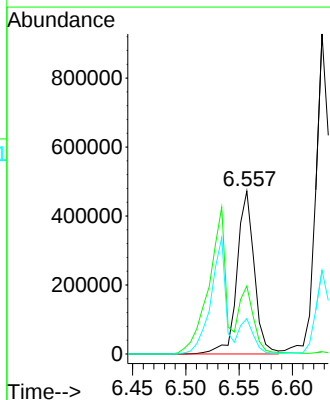
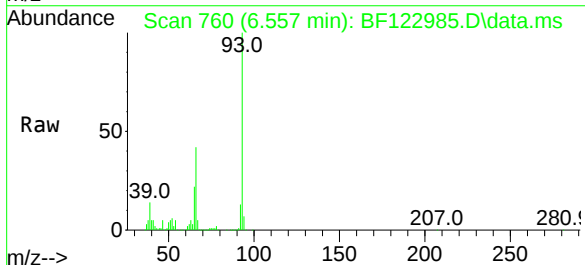
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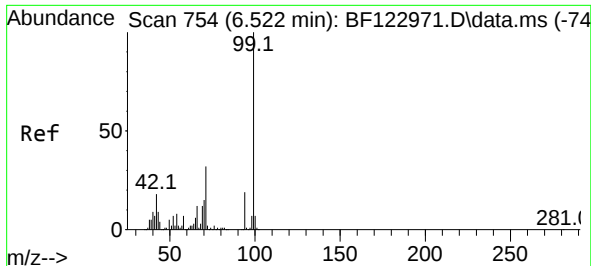
Tgt Ion:112 Resp: 1356585
Ion Ratio Lower Upper
112 100
64 66.2 46.9 70.3
63 32.8 24.5 36.7



#6
Aniline
Concen: 20.52 ng
RT: 6.557 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion: 93 Resp: 531864
Ion Ratio Lower Upper
93 100
66 41.8 31.3 46.9
65 21.7 15.6 23.4

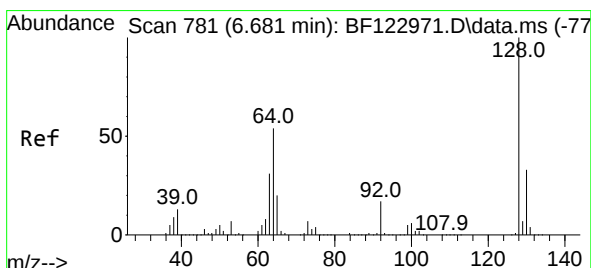
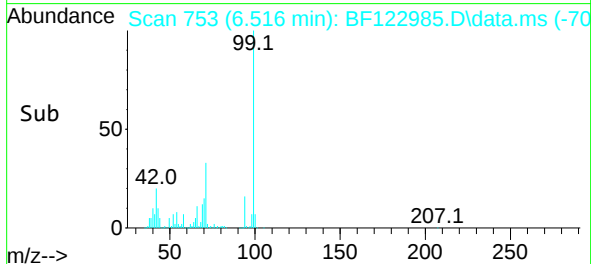
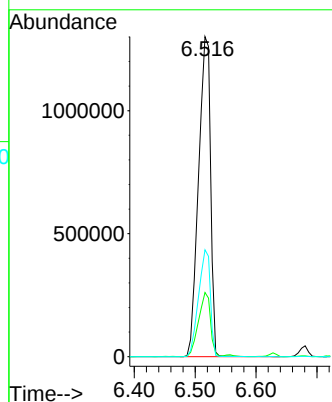
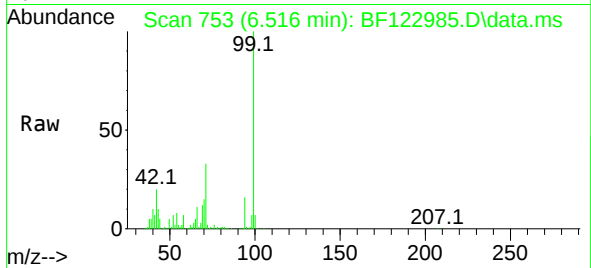




#7
Phenol-d6
Concen: 82.90 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

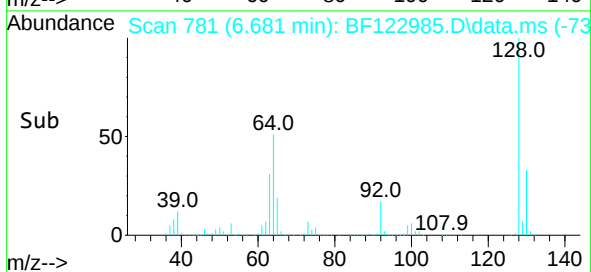
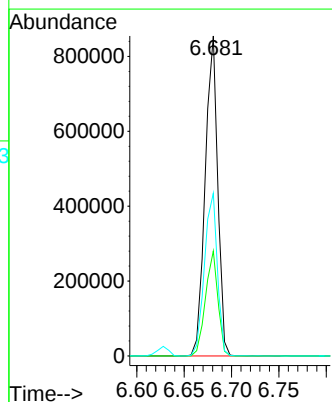
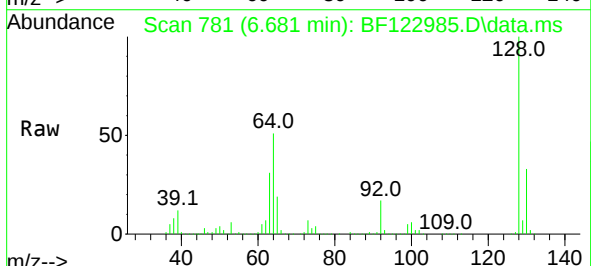
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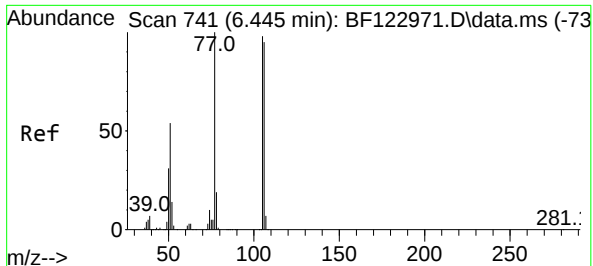
Tgt Ion: 99 Resp: 1780830
Ion Ratio Lower Upper
99 100
42 20.1 13.8 20.6
71 33.4 26.9 40.3



#8
2-Chlorophenol
Concen: 46.57 ng
RT: 6.681 min Scan# 781
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion: 128 Resp: 786047
Ion Ratio Lower Upper
128 100
130 32.8 12.3 52.3
64 50.9 25.5 65.5

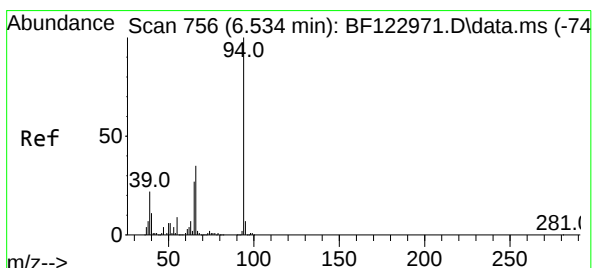
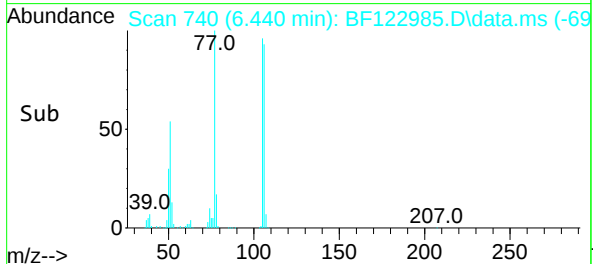
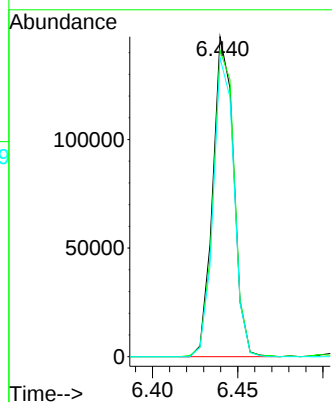
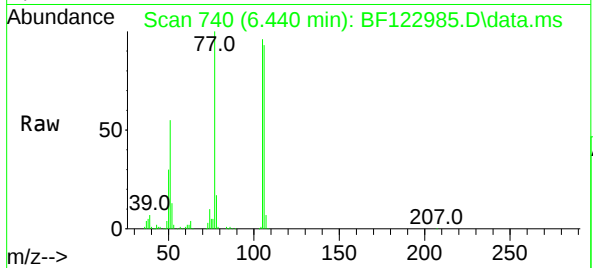




#9
Benzaldehyde
Concen: 8.90 ng
RT: 6.440 min Scan# 740
Delta R.T. -0.005 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

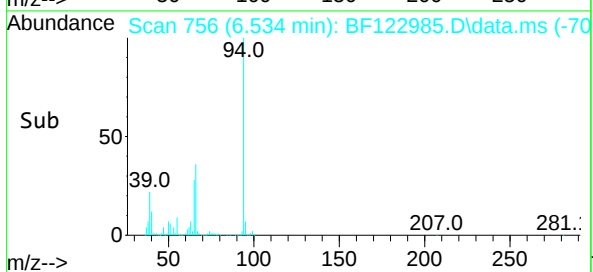
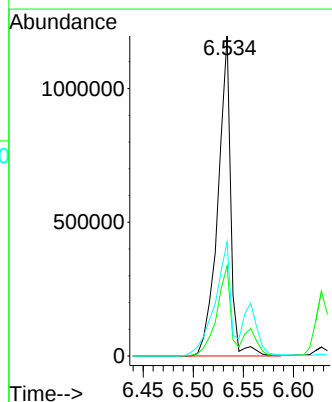
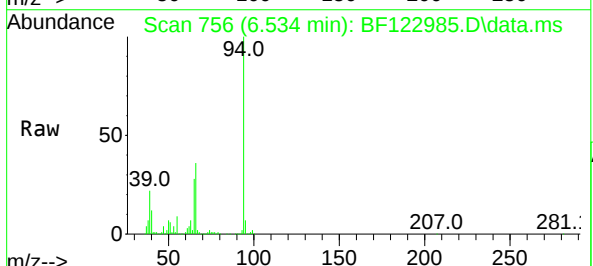
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ClientSampleId :
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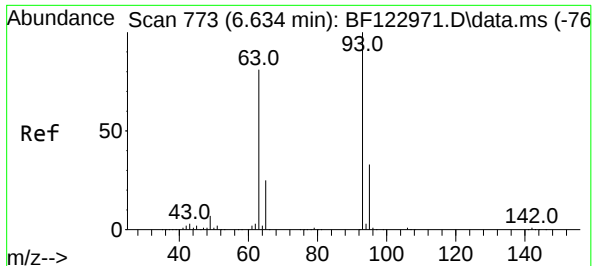
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Ion Ratio Lower Upper
77 100
105 95.7 80.6 120.6
106 93.4 77.2 117.2



#10
Phenol
Concen: 49.46 ng
RT: 6.534 min Scan# 756
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

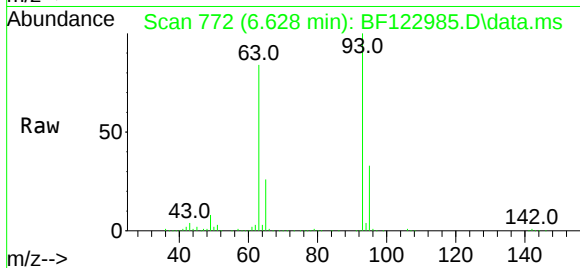
Tgt Ion: 94 Resp: 1067069
Ion Ratio Lower Upper
94 100
65 28.2 11.2 51.2
66 35.6 25.8 65.8



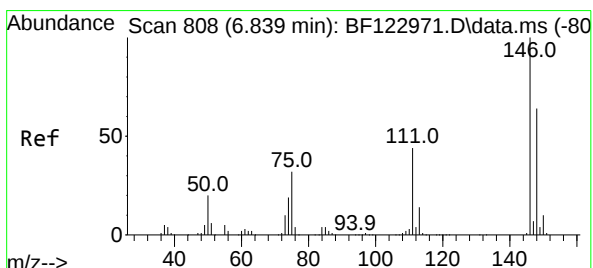
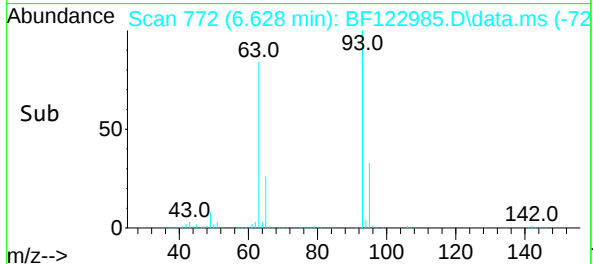
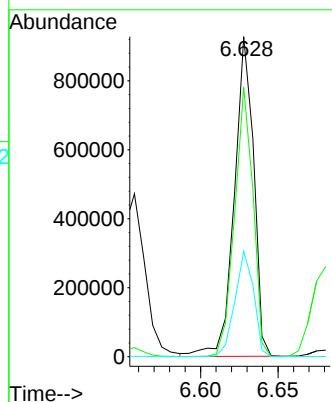


#11
bis(2-Chloroethyl)ether
Concen: 46.01 ng
RT: 6.628 min Scan# 772
Delta R.T. -0.006 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

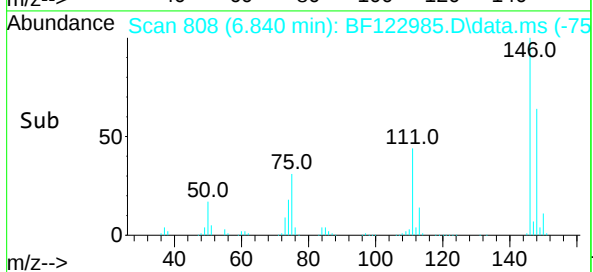
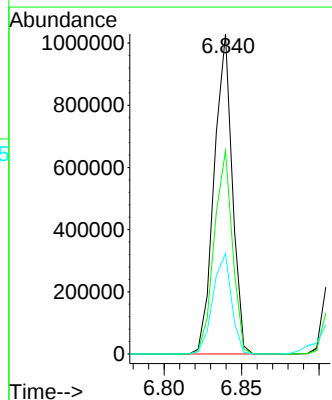
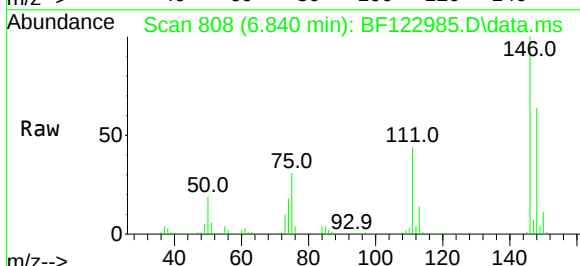


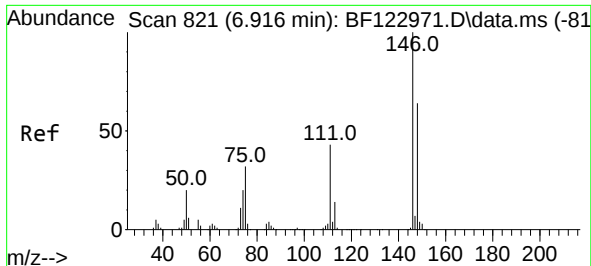
Tgt Ion: 93 Resp: 803777
Ion Ratio Lower Upper
93 100
63 84.2 52.6 92.6
95 33.0 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 42.76 ng
RT: 6.840 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:146 Resp: 835446
Ion Ratio Lower Upper
146 100
148 63.5 51.8 77.8
75 31.4 22.5 33.7

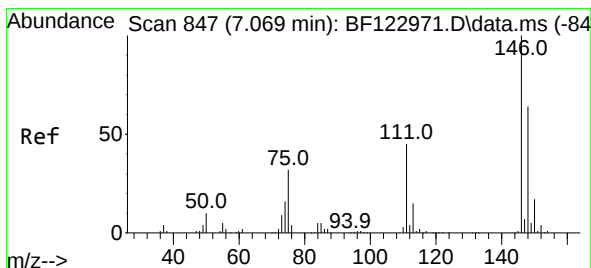
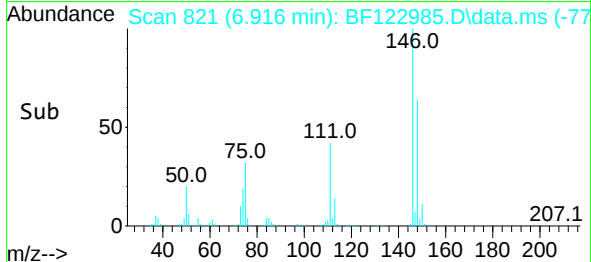
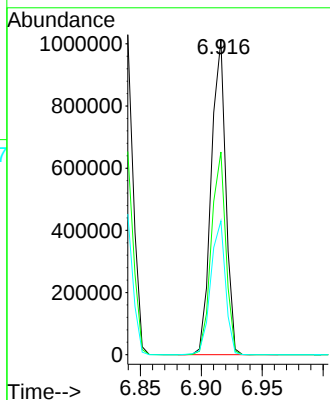
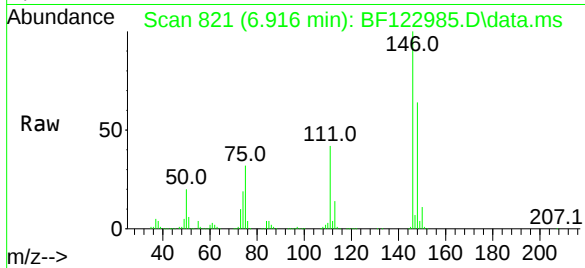




#13
1,4-Dichlorobenzene
Concen: 42.69 ng
RT: 6.916 min Scan# 821
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

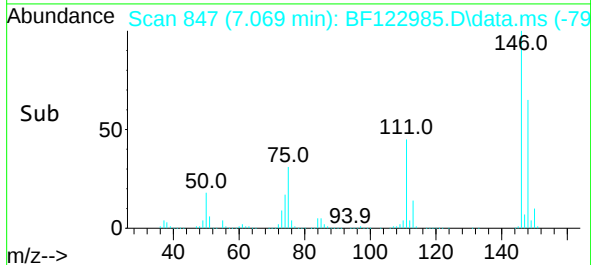
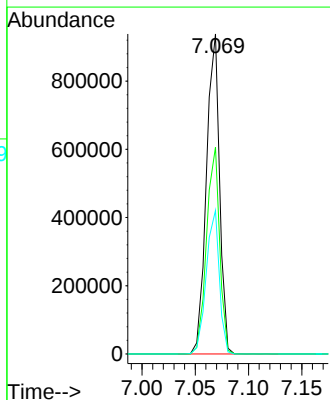
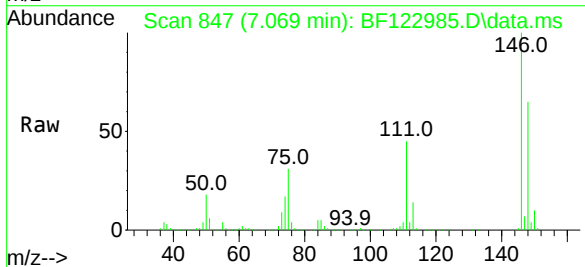
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

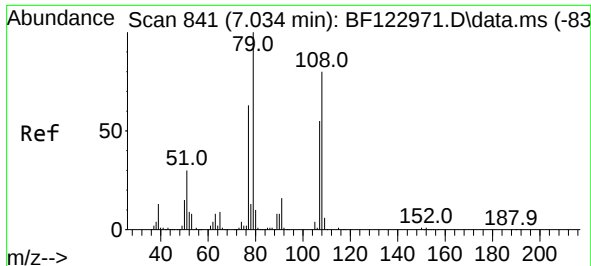
Tgt Ion:146 Resp: 839757
Ion Ratio Lower Upper
146 100
148 64.3 52.0 78.0
111 42.4 32.3 48.5



#14
1,2-Dichlorobenzene
Concen: 44.03 ng
RT: 7.069 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

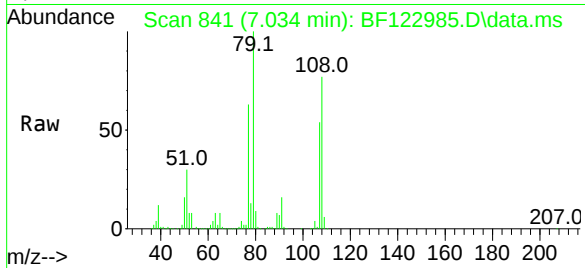
Tgt Ion:146 Resp: 807918
Ion Ratio Lower Upper
146 100
148 64.7 51.5 77.3
111 44.9 34.2 51.2



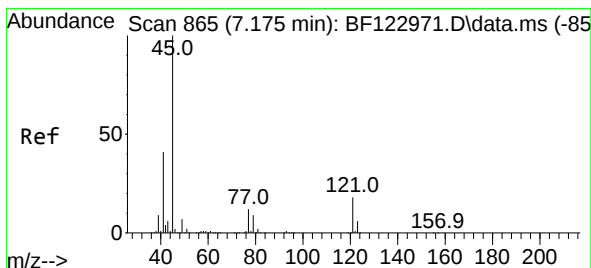
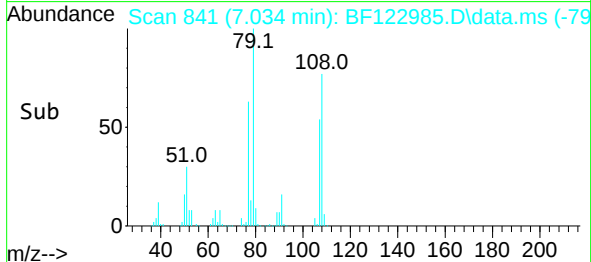
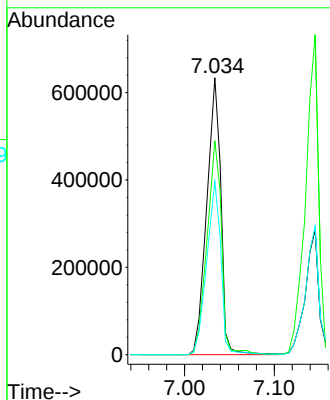


#15
Benzyl Alcohol
Concen: 45.74 ng
RT: 7.034 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

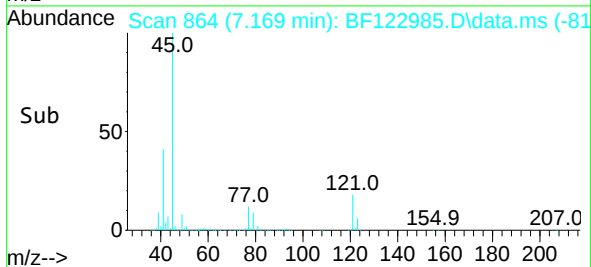
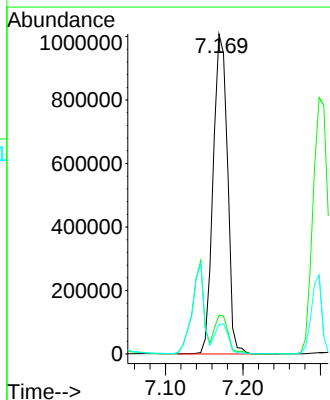
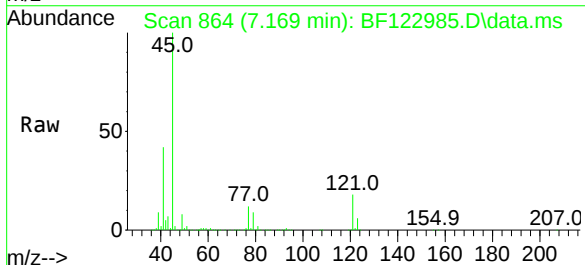


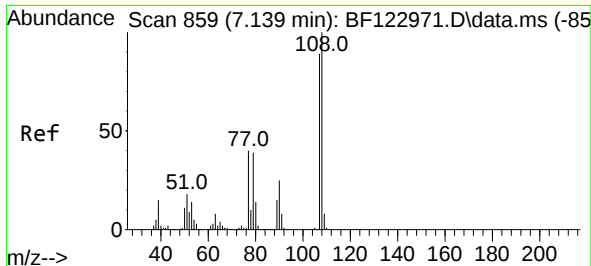
Tgt Ion: 79 Resp: 692557
Ion Ratio Lower Upper
79 100
108 77.3 62.4 93.6
77 62.5 49.0 73.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.40 ng
RT: 7.169 min Scan# 864
Delta R.T. -0.006 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

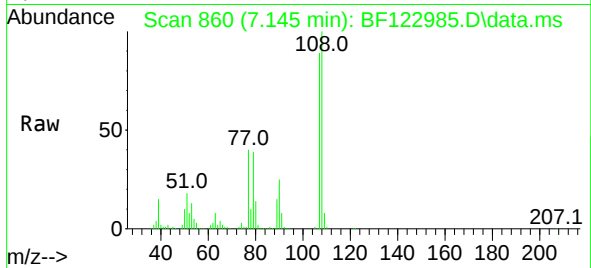
Tgt Ion: 45 Resp: 1290845
Ion Ratio Lower Upper
45 100
77 12.2 0.0 35.6
79 9.2 0.0 32.4



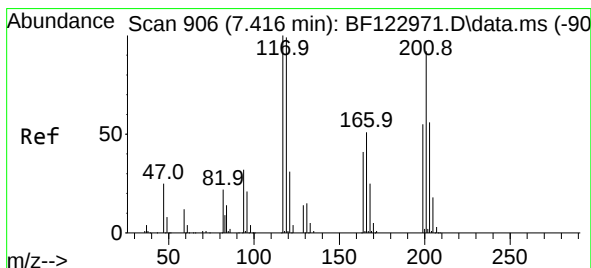
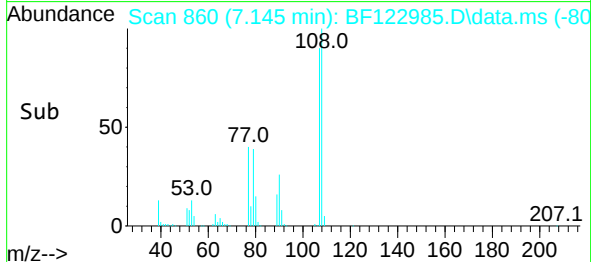
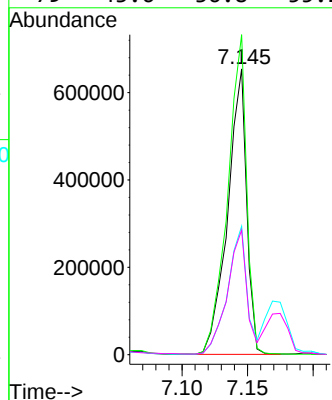


#17
2-Methylphenol
Concen: 45.85 ng
RT: 7.145 min Scan# 860
Delta R.T. 0.006 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

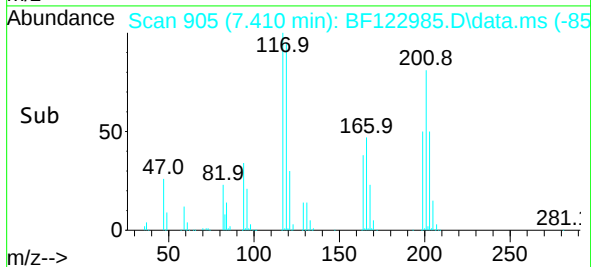
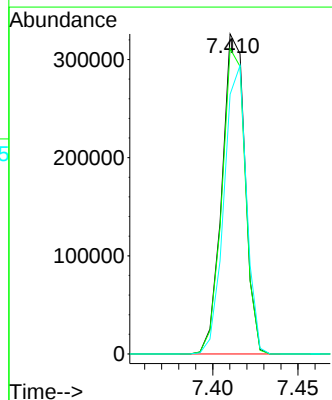
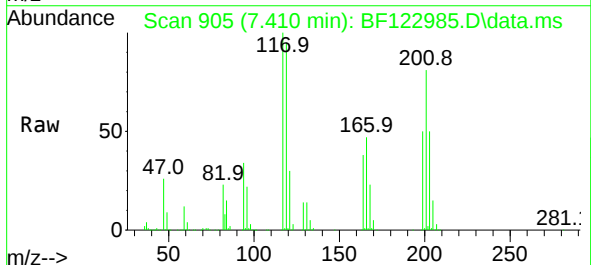


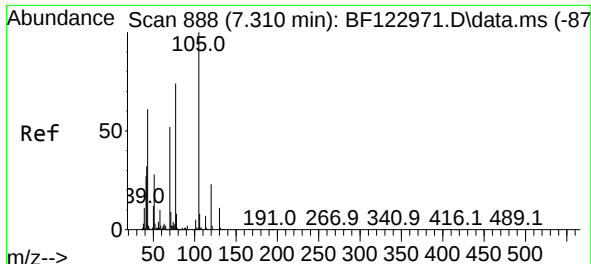
Tgt Ion:107 Resp: 656575
Ion Ratio Lower Upper
107 100
108 112.0 91.1 136.7
77 45.0 36.3 54.5
79 43.6 36.8 55.2



#18
Hexachloroethane
Concen: 43.32 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

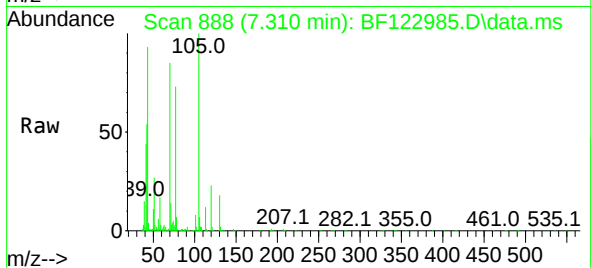
Tgt Ion:117 Resp: 307984
Ion Ratio Lower Upper
117 100
119 95.4 78.4 117.6
201 81.1 79.6 119.4



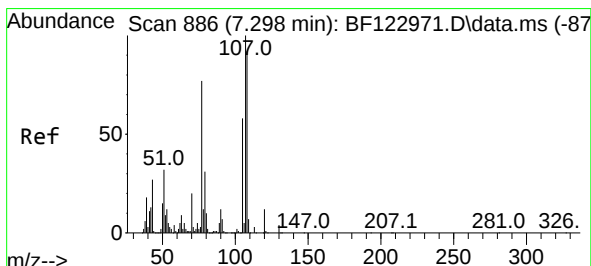
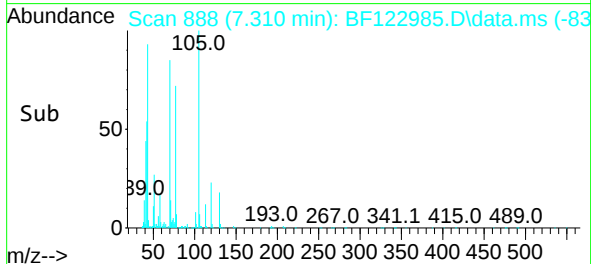
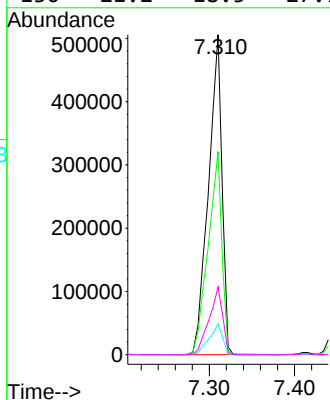


#19
n-Nitroso-di-n-propylamine
Concen: 43.99 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

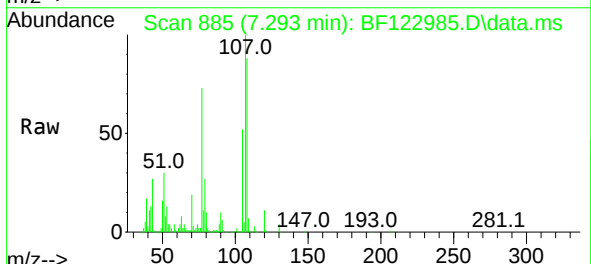
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD



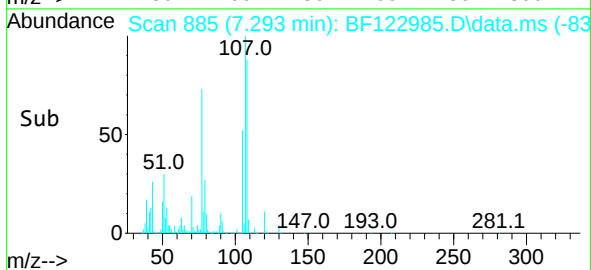
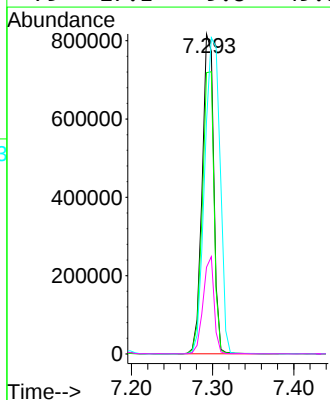
Tgt Ion:	70	Resp:	559759
Ion	Ratio	Lower	Upper
70	100		
42	63.5	43.0	64.4
101	9.7	7.9	11.9
130	21.2	18.5	27.7

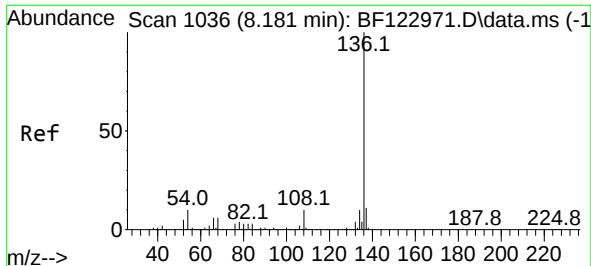


#20
3+4-Methylphenols
Concen: 44.97 ng
RT: 7.293 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25



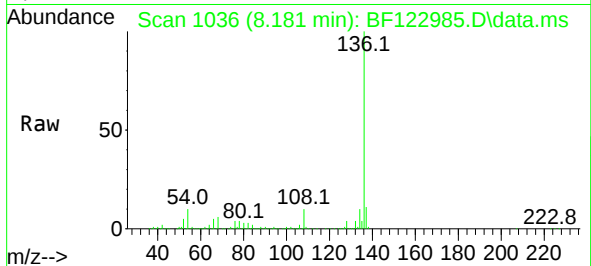
Tgt Ion:	107	Resp:	805529
Ion	Ratio	Lower	Upper
107	100		
108	87.9	68.7	108.7
77	72.7	89.8	129.8#
79	27.1	9.8	49.8



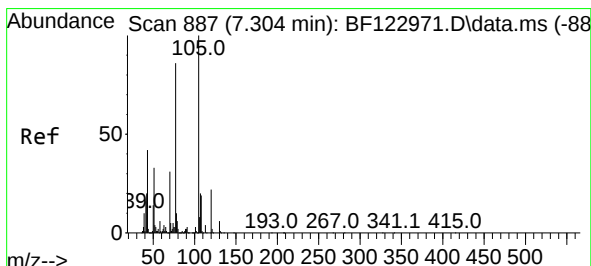
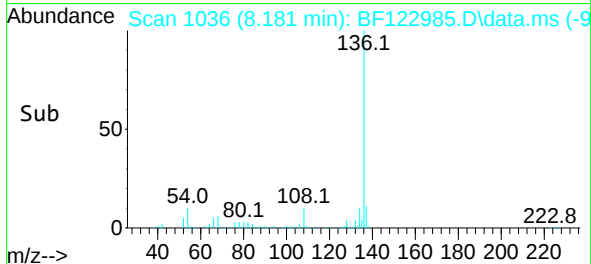
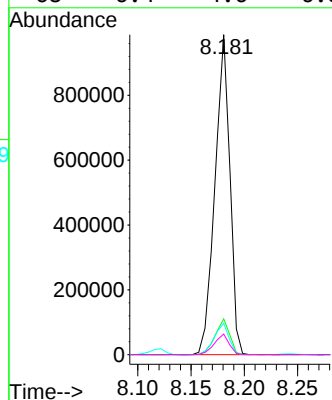


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.181 min Scan# 1036
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

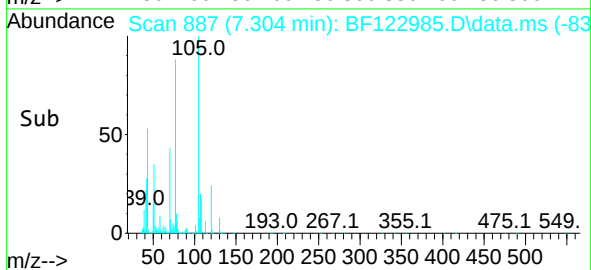
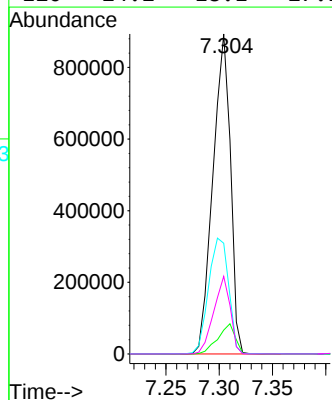
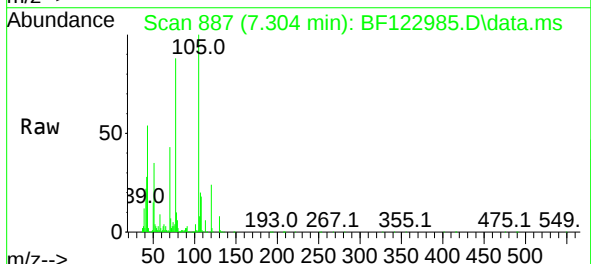


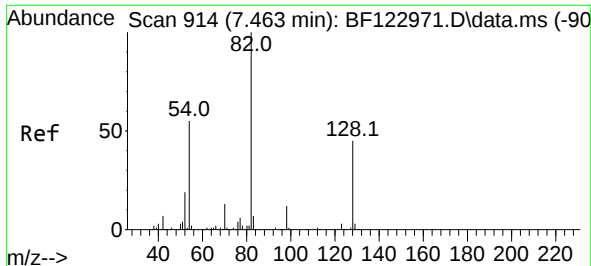
Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	9.8	5.5	8.3#
68	6.4	4.6	6.8



#22
Acetophenone
Concen: 42.54 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion	Ratio	Lower	Upper
105	100		
71	7.4	6.5	9.7
51	34.6	24.3	36.5
120	24.2	18.1	27.1





#23

Nitrobenzene-d5

Concen: 59.36 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.006 min

Lab File: BF122985.D

Acq: 18 Jan 2021 13:25

Tgt Ion: 82 Resp: 1103898

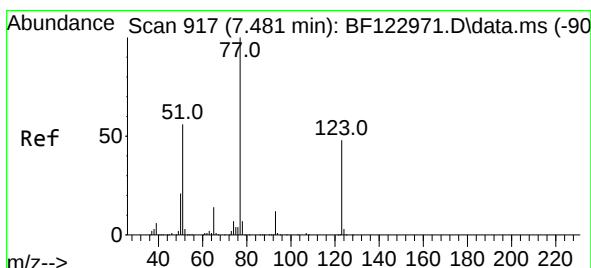
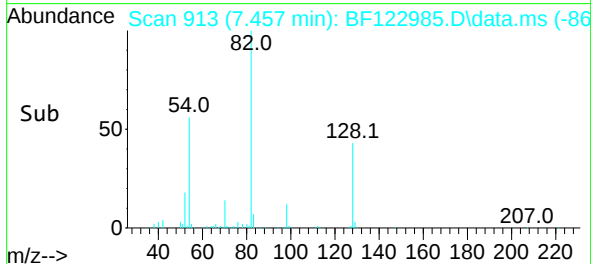
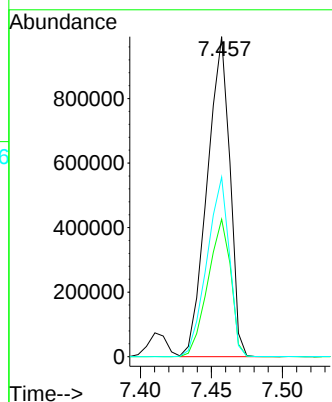
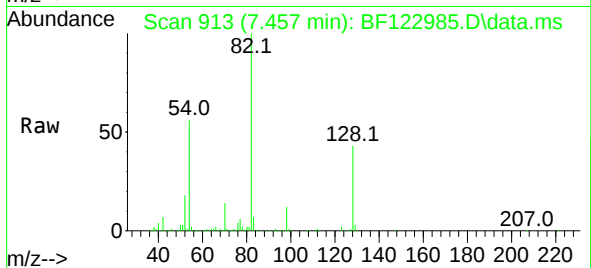
Ion	Ratio	Lower	Upper
82	100		
128	42.9	37.0	55.4
54	56.1	38.4	57.6

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-RBF-DARKMSD



#24

Nitrobenzene

Concen: 45.06 ng

RT: 7.475 min Scan# 916

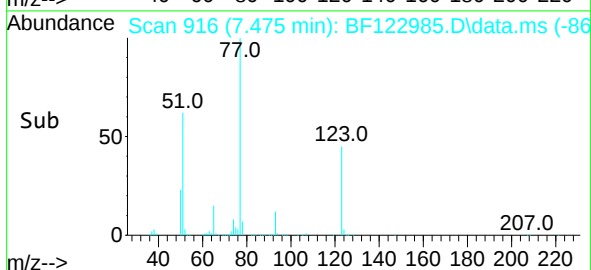
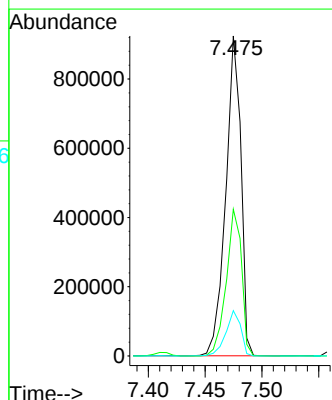
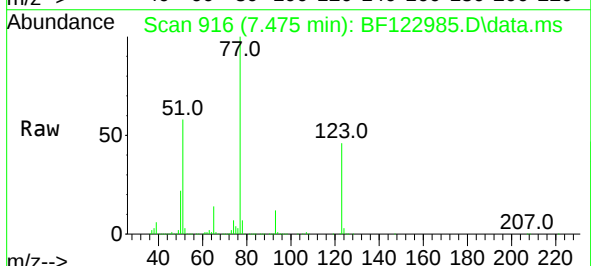
Delta R.T. -0.006 min

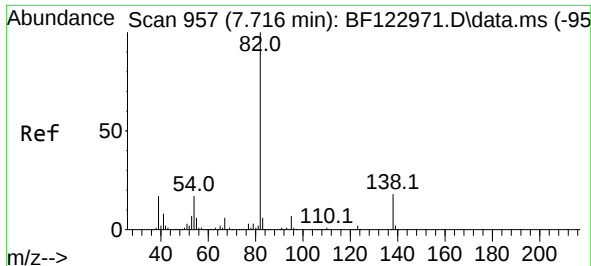
Lab File: BF122985.D

Acq: 18 Jan 2021 13:25

Tgt Ion: 77 Resp: 858882

Ion	Ratio	Lower	Upper
77	100		
123	45.9	39.3	58.9
65	14.2	10.6	15.8

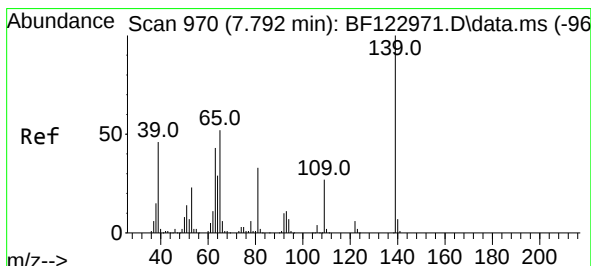
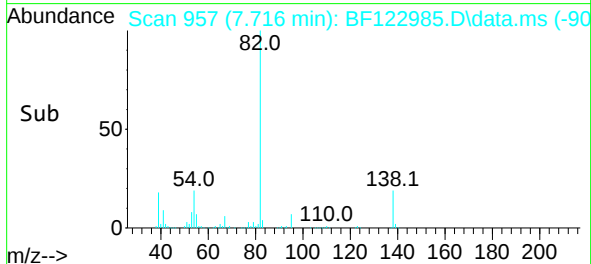
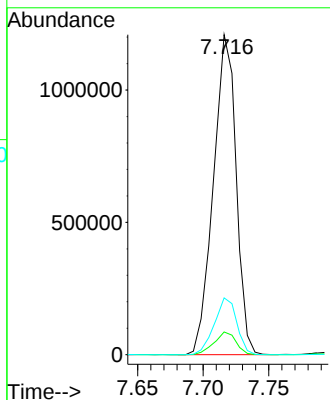
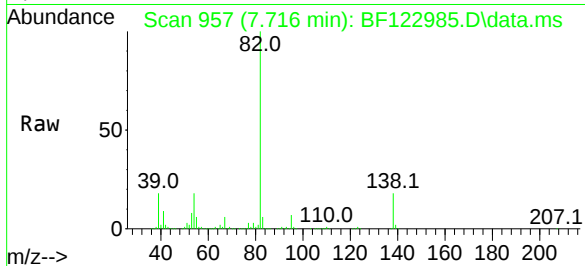




#25
Isophorone
Concen: 43.92 ng
RT: 7.716 min Scan# 957
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

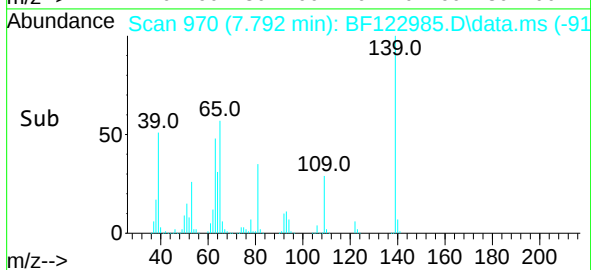
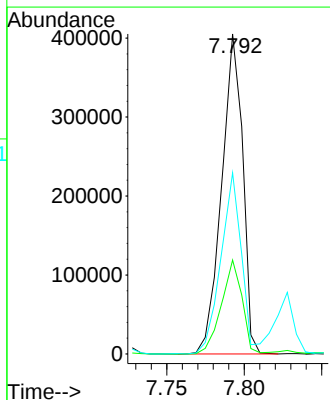
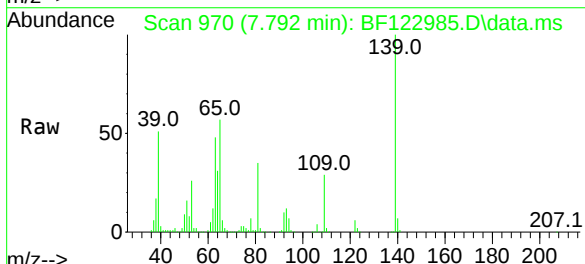
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

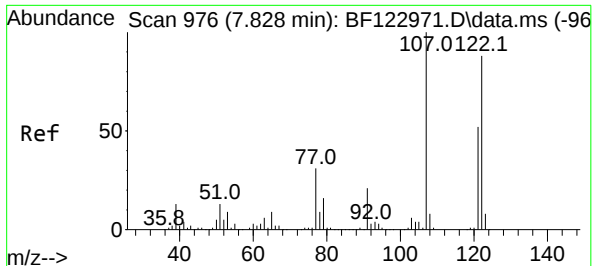
Tgt Ion: 82 Resp: 1457352
Ion Ratio Lower Upper
82 100
95 7.1 5.8 8.6
138 17.7 14.6 21.8



#26
2-Nitrophenol
Concen: 44.40 ng
RT: 7.792 min Scan# 970
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:139 Resp: 382269
Ion Ratio Lower Upper
139 100
109 29.3 24.0 36.0
65 56.6 40.9 61.3

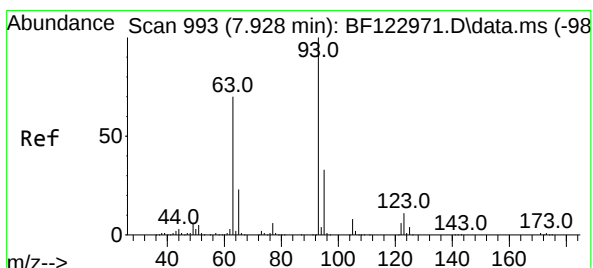
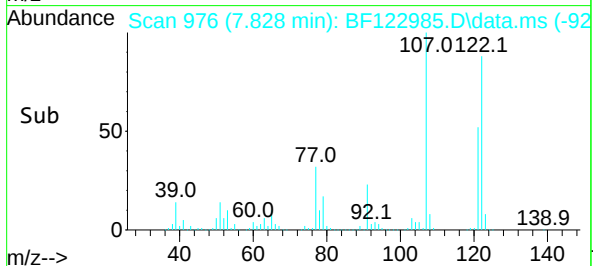
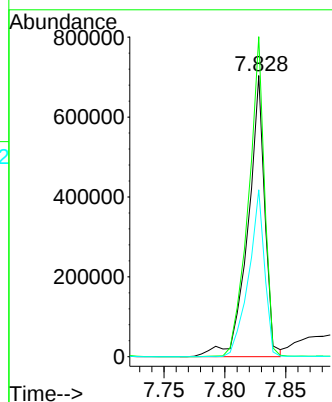
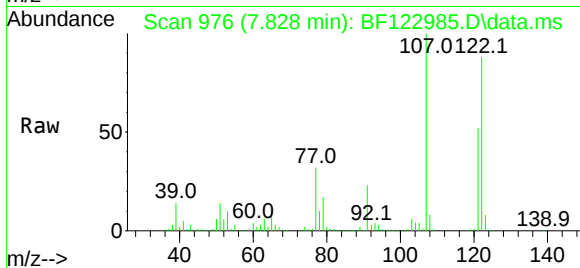




#27
2,4-Dimethylphenol
Concen: 49.32 ng
RT: 7.828 min Scan# 976
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

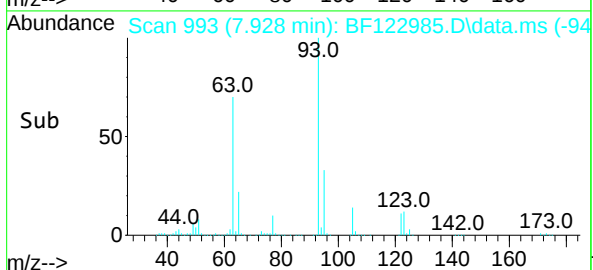
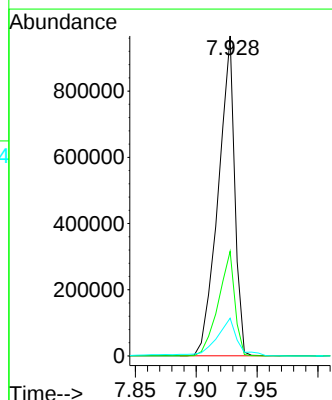
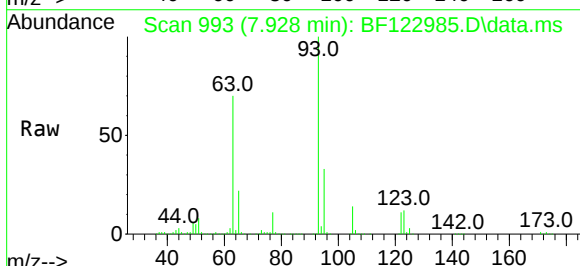
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

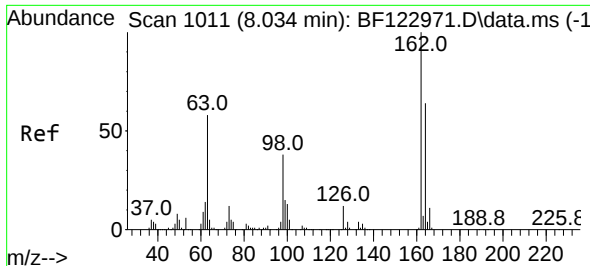
Tgt Ion:	122	Resp:	676225
Ion	Ratio	Lower	Upper
122	100		
107	113.8	91.8	137.8
121	59.4	47.3	70.9



#28
bis(2-Chloroethoxy)methane
Concen: 40.54 ng
RT: 7.928 min Scan# 993
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

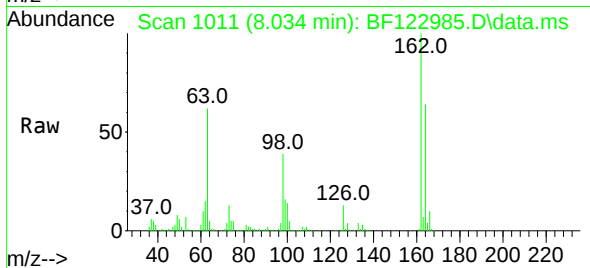
Tgt Ion:	93	Resp:	909381
Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	11.8	9.2	13.8



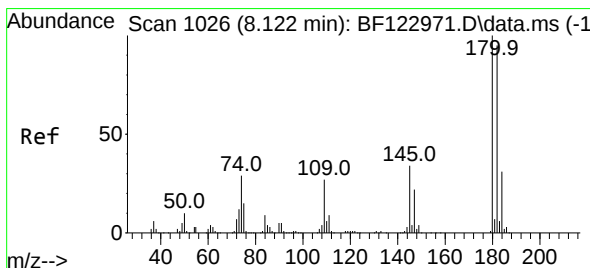
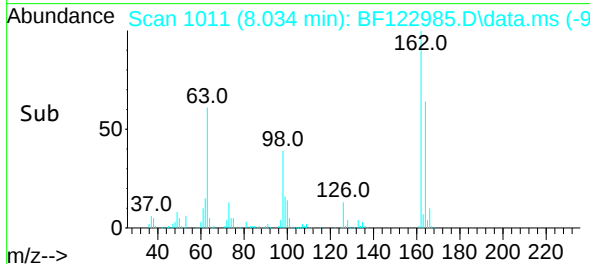
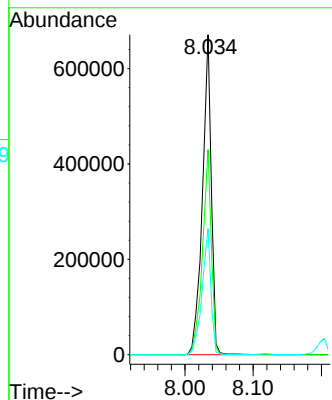


#29
2,4-Dichlorophenol
Concen: 42.56 ng
RT: 8.034 min Scan# 1011
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

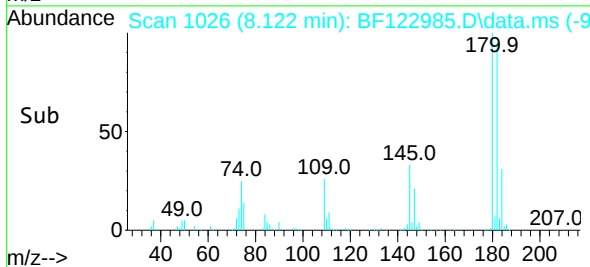
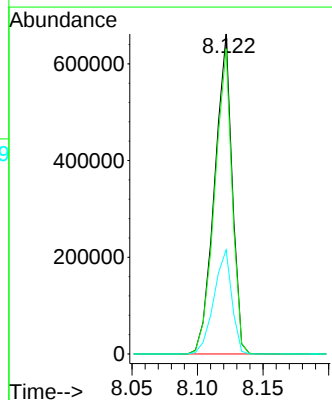
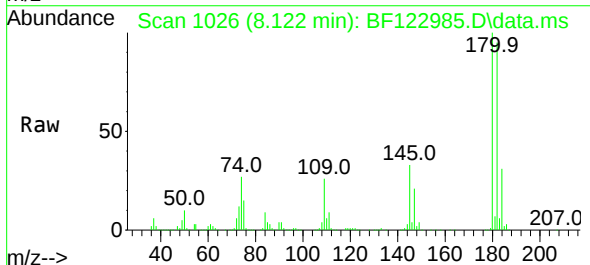


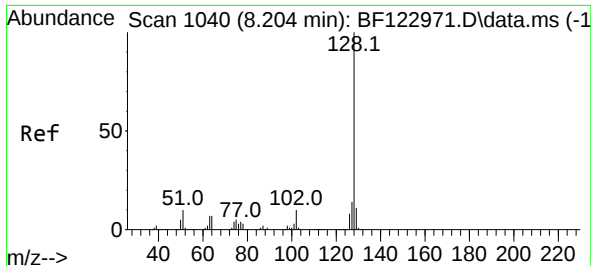
Tgt Ion:162 Resp: 609253
Ion Ratio Lower Upper
162 100
164 64.1 43.2 83.2
98 39.4 15.2 55.2



#30
1,2,4-Trichlorobenzene
Concen: 40.30 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:180 Resp: 614508
Ion Ratio Lower Upper
180 100
182 95.4 75.7 113.5
145 32.5 25.0 37.4

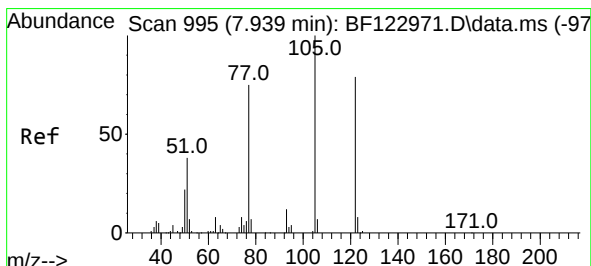
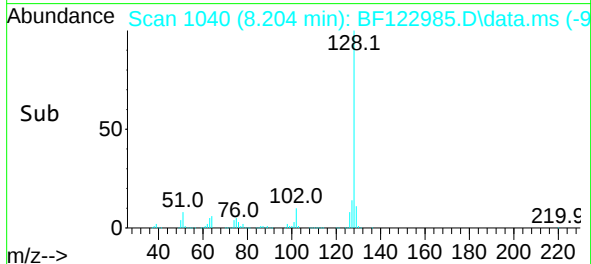
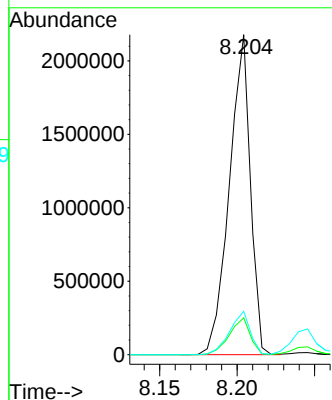
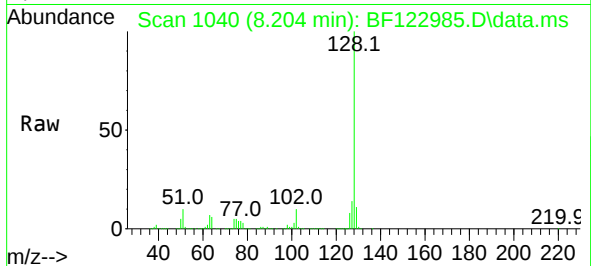




#31
Naphthalene
Concen: 41.70 ng
RT: 8.204 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

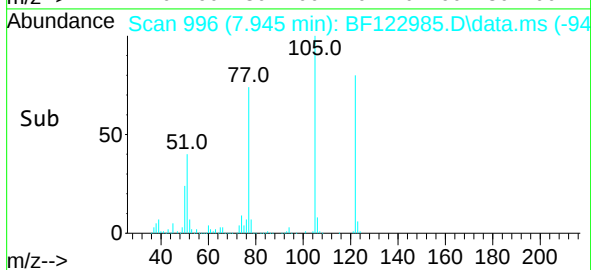
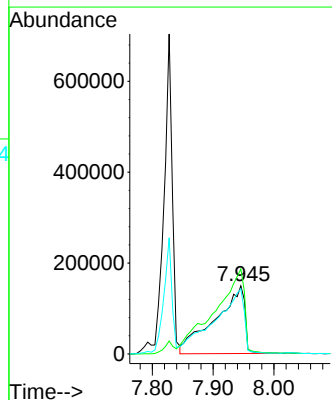
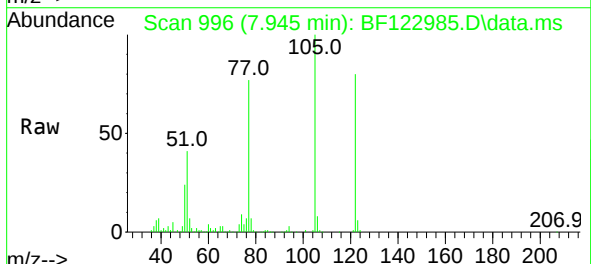
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

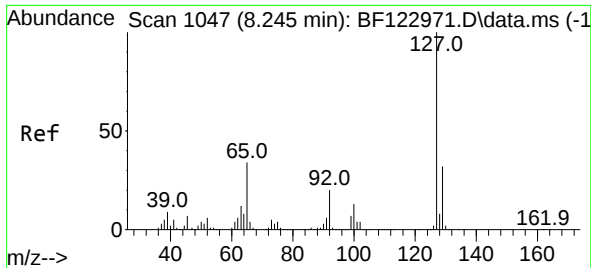
Tgt Ion:128 Resp: 2051521
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.6
127 13.6 10.7 16.1



#32
Benzoic acid
Concen: 43.69 ng
RT: 7.945 min Scan# 996
Delta R.T. 0.006 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:122 Resp: 503327
Ion Ratio Lower Upper
122 100
105 124.8 104.8 144.8
77 95.6 71.0 111.0

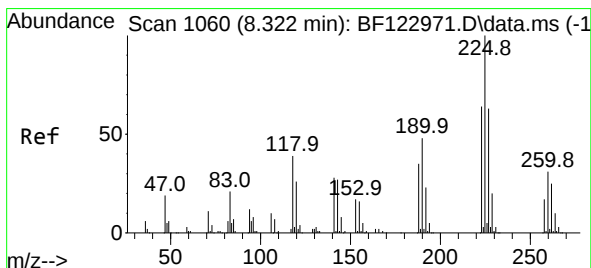
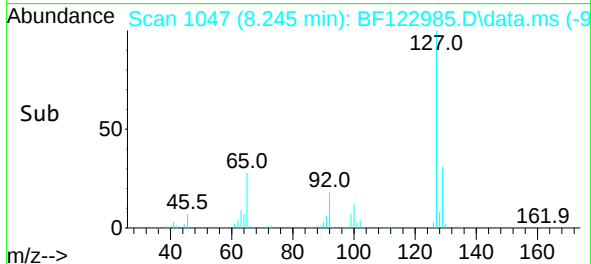
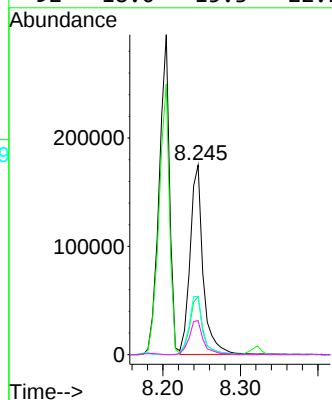
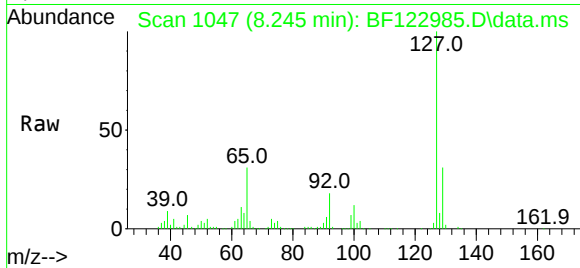




#33
4-Chloroaniline
Concen: 9.49 ng
RT: 8.245 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

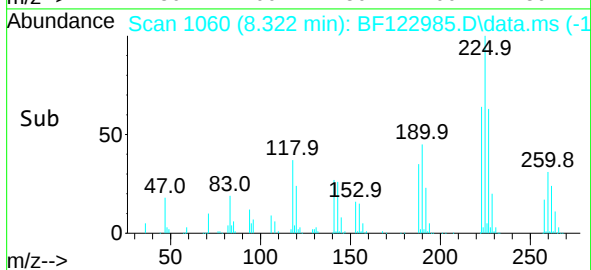
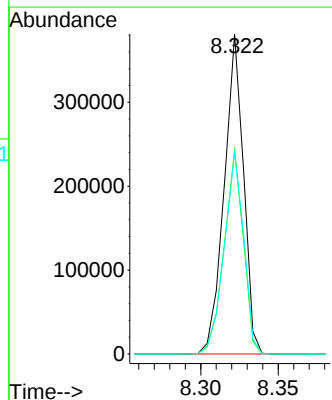
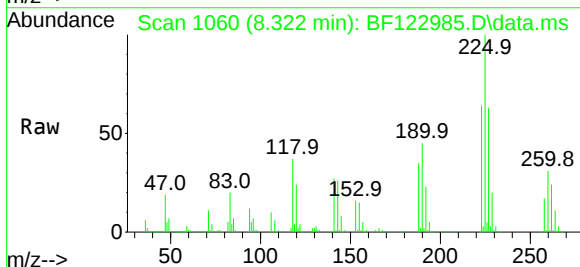
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

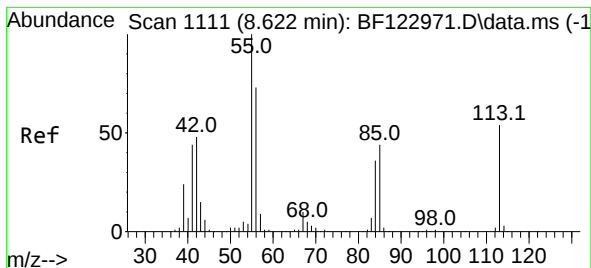
Tgt Ion:	127	Resp:	203691
Ion Ratio	Lower	Upper	
127	100		
129	30.7	26.2	39.2
65	30.7	22.2	33.2
92	18.0	15.3	22.9



#34
Hexachlorobutadiene
Concen: 39.58 ng
RT: 8.322 min Scan# 1060
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:	225	Resp:	329912
Ion Ratio	Lower	Upper	
225	100		
223	63.8	50.7	76.1
227	62.8	51.7	77.5

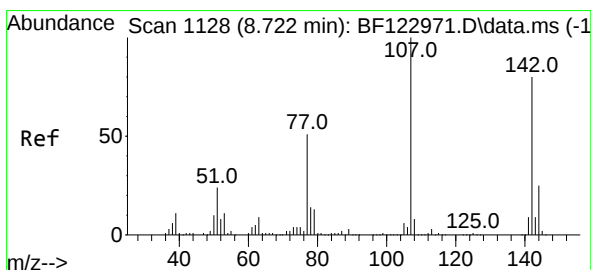
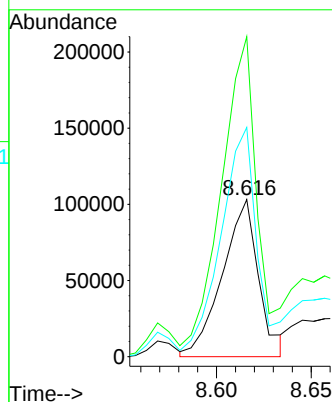
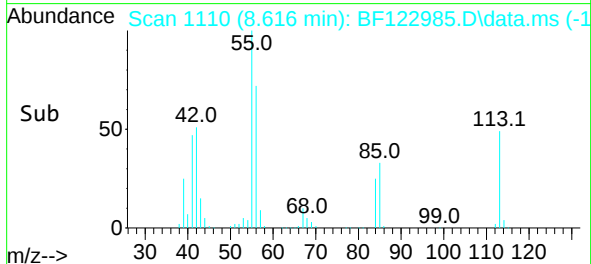
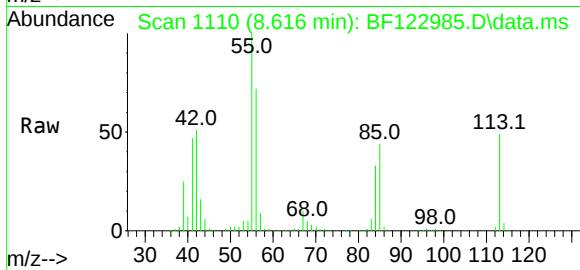




#35
Caprolactam
Concen: 28.09 ng
RT: 8.616 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

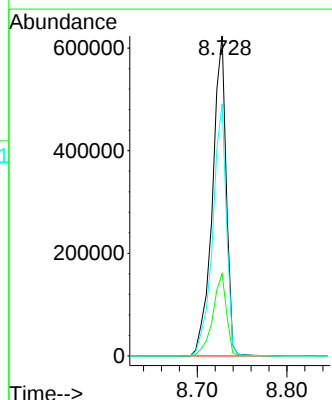
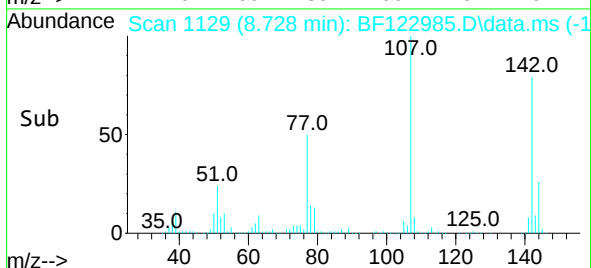
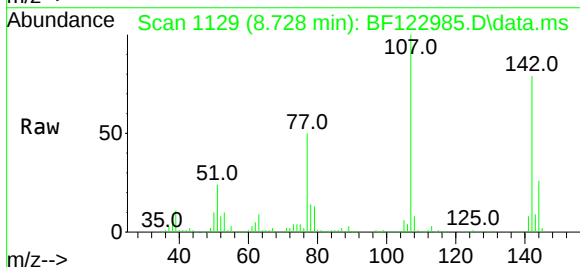
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

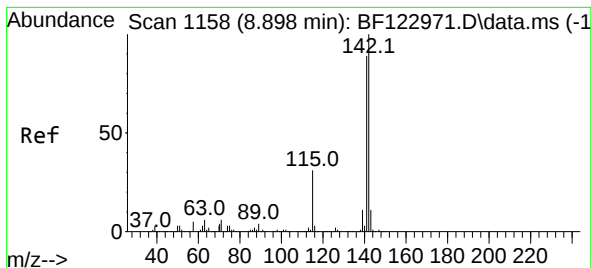
Tgt Ion:113 Resp: 136692
Ion Ratio Lower Upper
113 100
55 203.6 133.7 173.7#
56 145.9 95.3 135.3#



#36
4-Chloro-3-methylphenol
Concen: 43.82 ng
RT: 8.728 min Scan# 1129
Delta R.T. 0.006 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:107 Resp: 667115
Ion Ratio Lower Upper
107 100
144 25.7 20.2 30.2
142 78.9 64.4 96.6



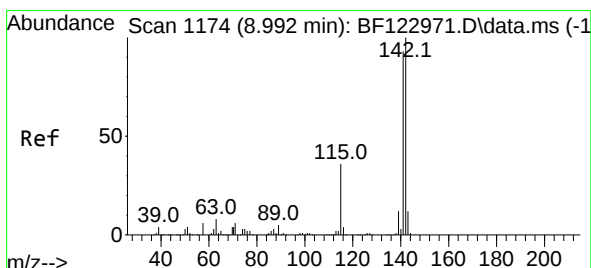
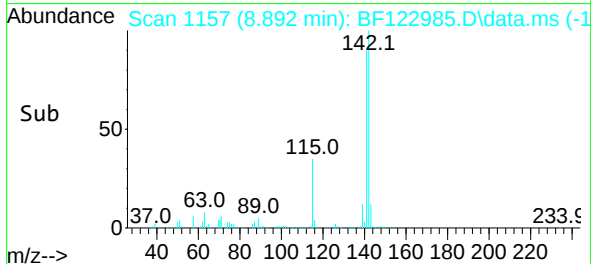
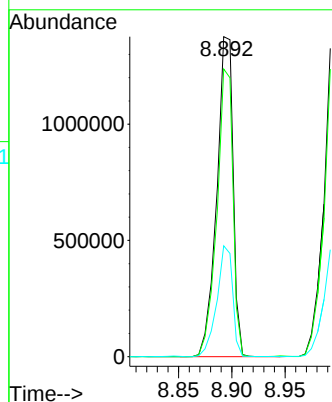
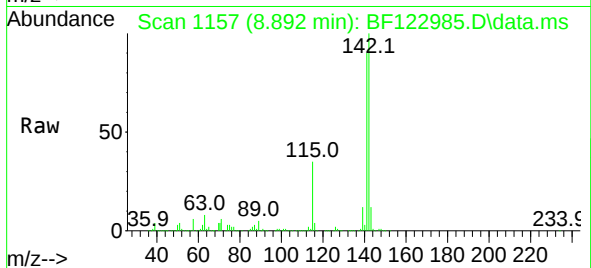


#37
2-Methylnaphthalene
Concen: 43.34 ng
RT: 8.892 min Scan# 1157
Delta R.T. -0.006 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

Tgt Ion:142 Resp: 1470812

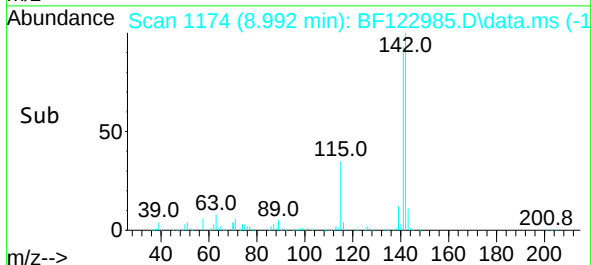
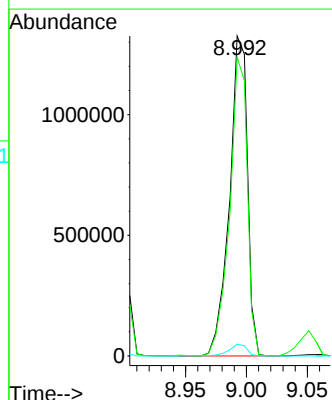
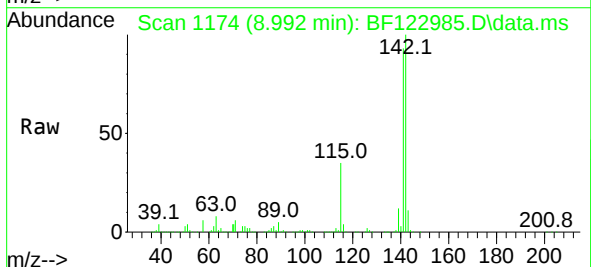
Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.6	106.0
115	34.7	28.7	43.1

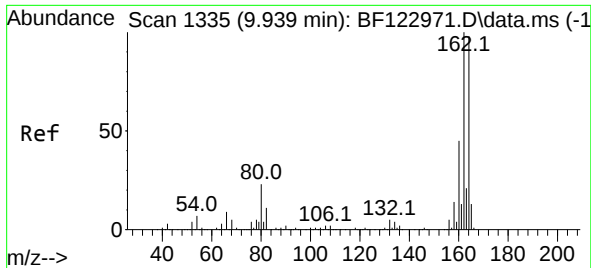


#38
1-Methylnaphthalene
Concen: 42.52 ng
RT: 8.992 min Scan# 1174
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:142 Resp: 1362799

Ion	Ratio	Lower	Upper
142	100		
141	93.3	74.5	111.7
116	3.7	3.2	4.8

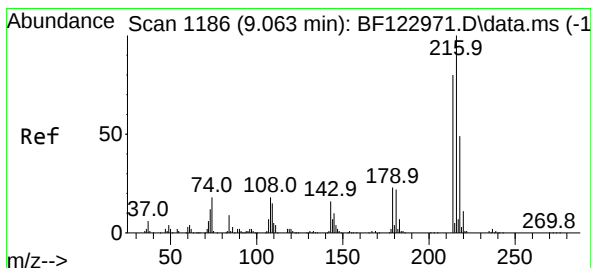
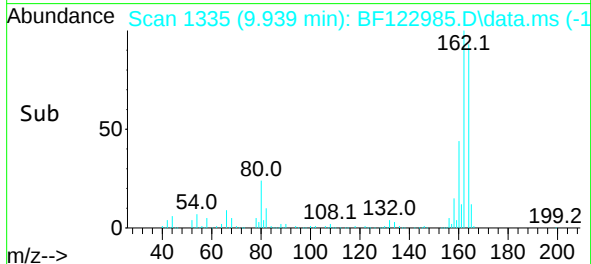
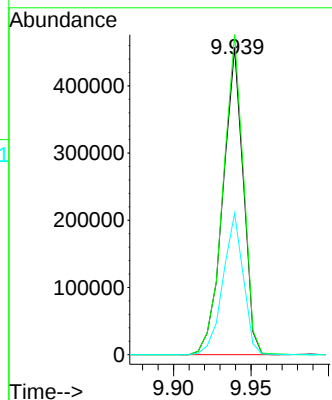
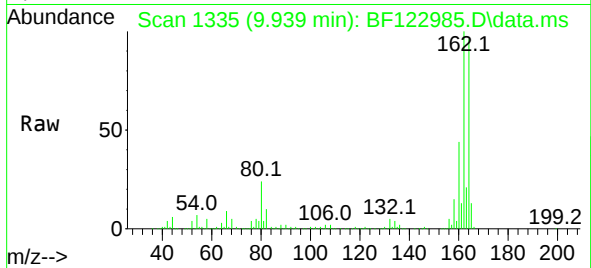




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

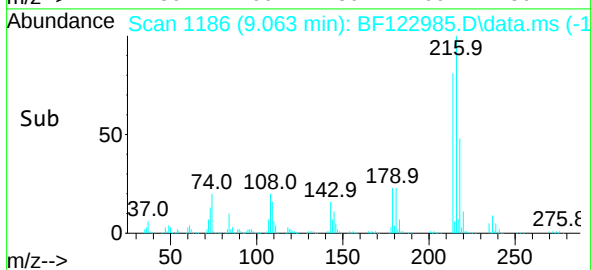
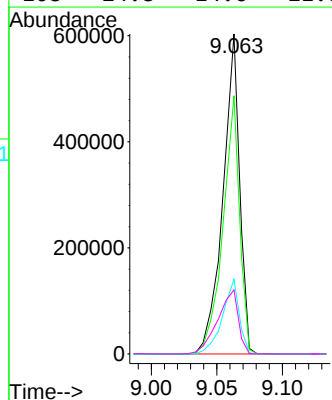
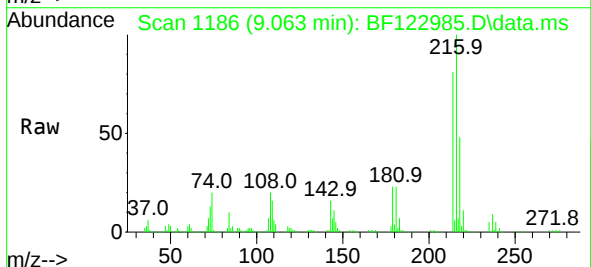
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

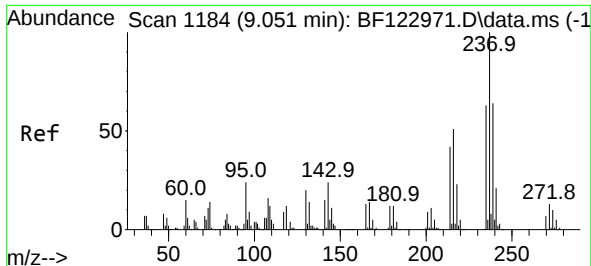
Tgt Ion:164 Resp: 418439
Ion Ratio Lower Upper
164 100
162 104.3 80.8 121.2
160 46.1 35.4 53.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.48 ng
RT: 9.063 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:216 Resp: 533941
Ion Ratio Lower Upper
216 100
214 80.1 63.1 94.7
179 23.4 17.1 25.7
108 24.8 14.6 21.8#

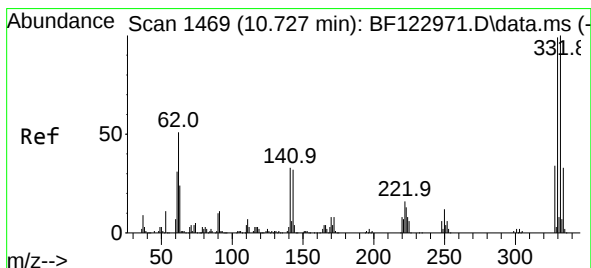
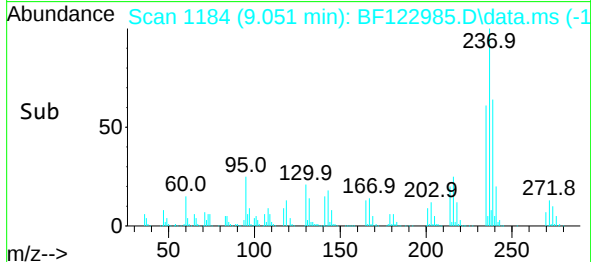
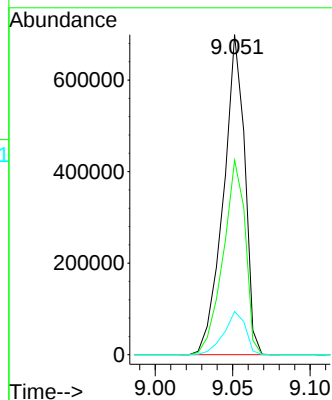
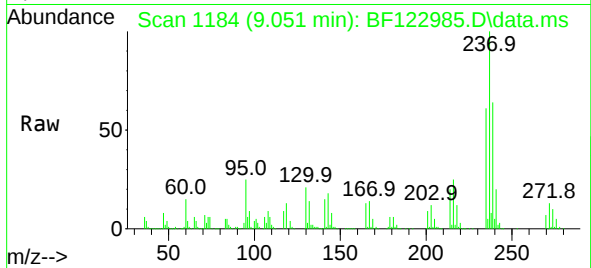




#41
Hexachlorocyclopentadiene
Concen: 119.78 ng
RT: 9.051 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

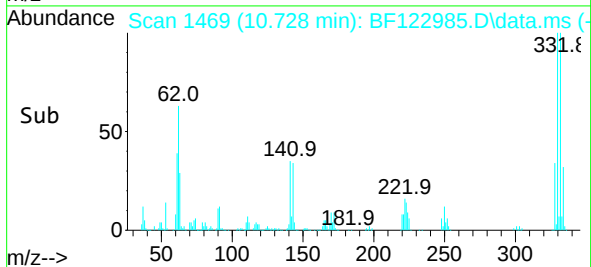
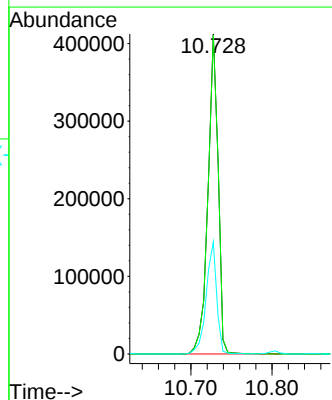
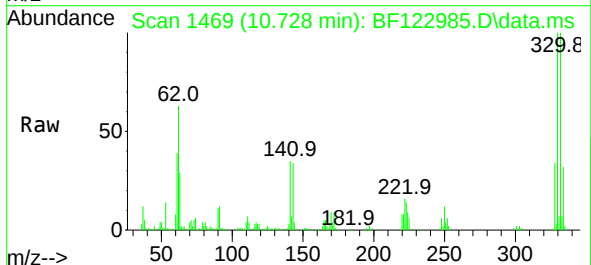
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

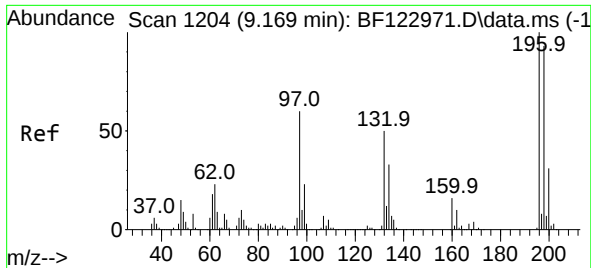
Tgt Ion:237 Resp: 668377
Ion Ratio Lower Upper
237 100
235 60.8 40.9 80.9
272 13.5 0.0 33.4



#42
2,4,6-Tribromophenol
Concen: 75.70 ng
RT: 10.728 min Scan# 1469
Delta R.T. 0.001 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:330 Resp: 358188
Ion Ratio Lower Upper
330 100
332 99.7 77.5 116.3
141 36.2 23.8 35.8#

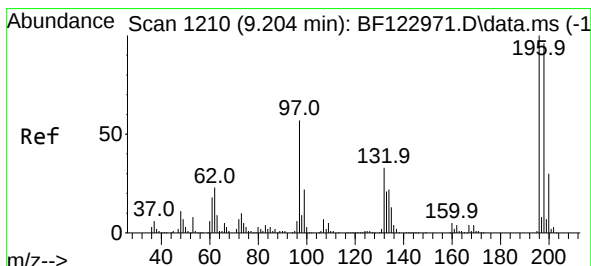
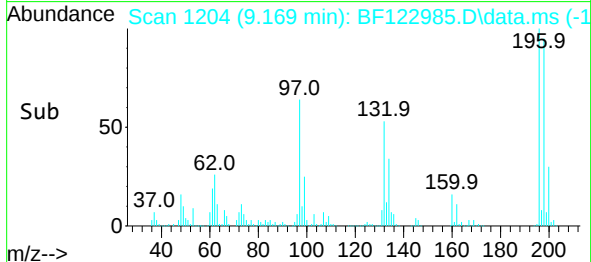
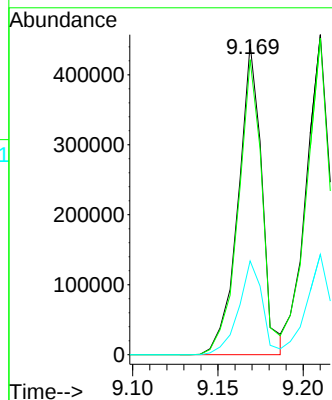
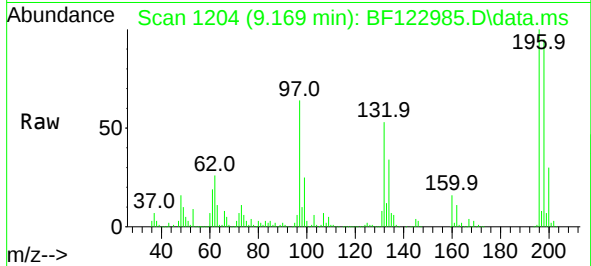




#43
2,4,6-Trichlorophenol
Concen: 49.79 ng
RT: 9.169 min Scan# 1204
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

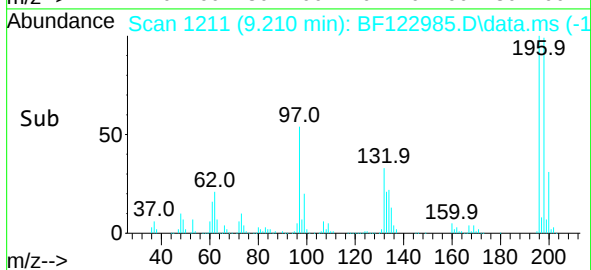
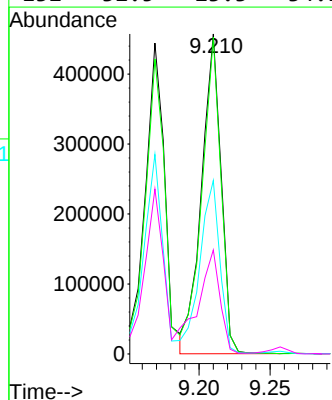
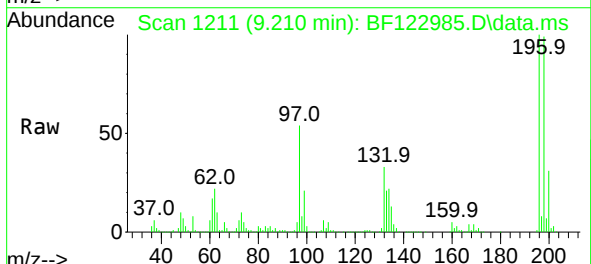
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

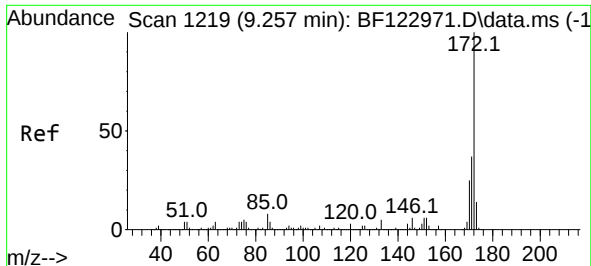
Tgt Ion:196 Resp: 426356
Ion Ratio Lower Upper
196 100
198 94.9 75.1 112.7
200 30.1 23.7 35.5



#44
2,4,5-Trichlorophenol
Concen: 50.39 ng
RT: 9.210 min Scan# 1211
Delta R.T. 0.006 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:196 Resp: 437777
Ion Ratio Lower Upper
196 100
198 98.9 76.5 114.7
97 54.2 40.1 60.1
132 32.5 23.3 34.9

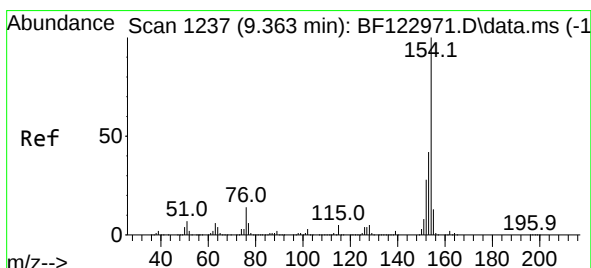
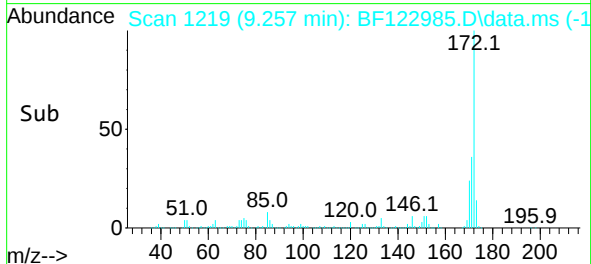
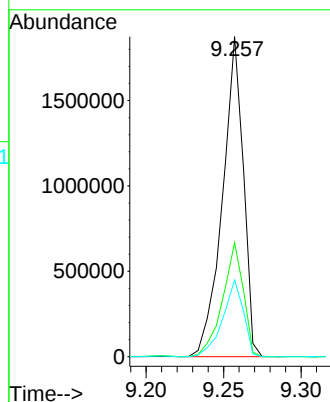
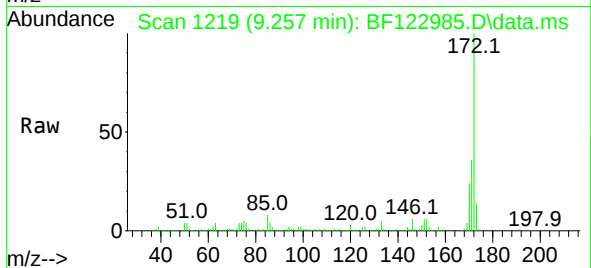




#45
2-Fluorobiphenyl
Concen: 58.56 ng
RT: 9.257 min Scan# 1219
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

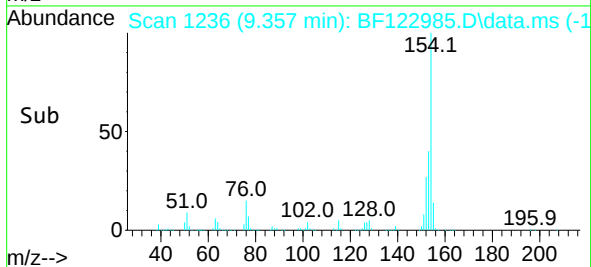
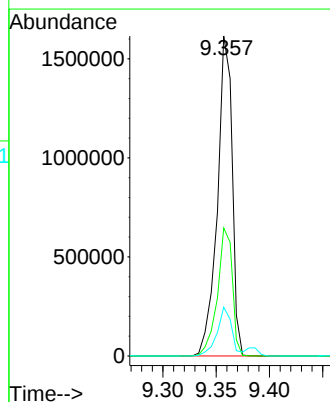
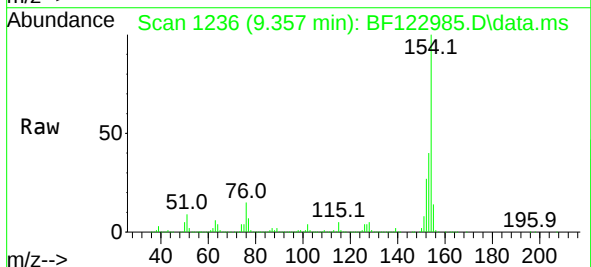
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

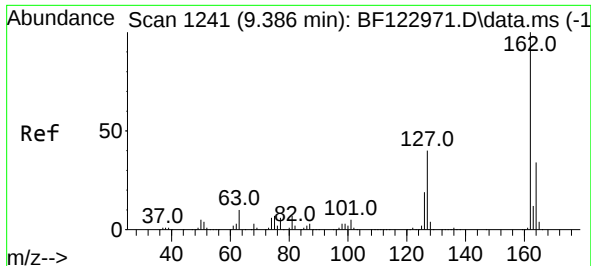
Tgt Ion:172 Resp: 1749795
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 24.0 19.5 29.3



#46
1,1'-Biphenyl
Concen: 45.74 ng
RT: 9.357 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

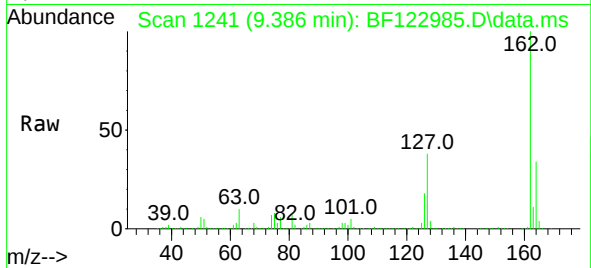
Tgt Ion:154 Resp: 1556643
Ion Ratio Lower Upper
154 100
153 40.0 21.8 61.8
76 15.2 0.0 33.4



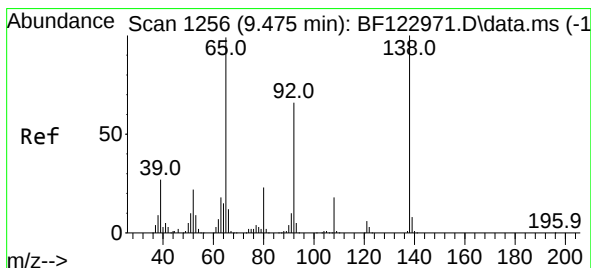
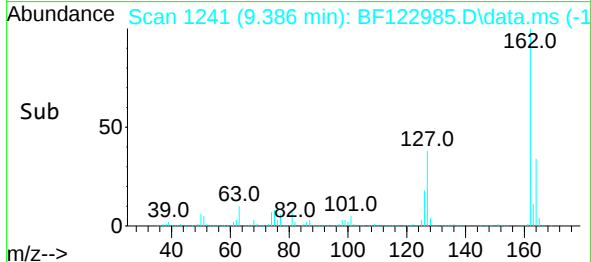
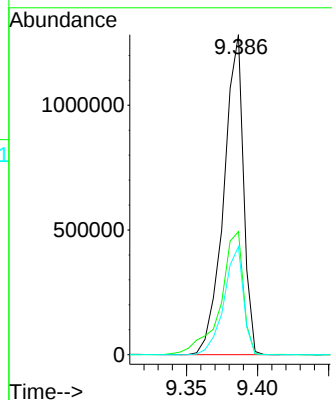


#47
2-Chloronaphthalene
Concen: 43.50 ng
RT: 9.386 min Scan# 1241
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

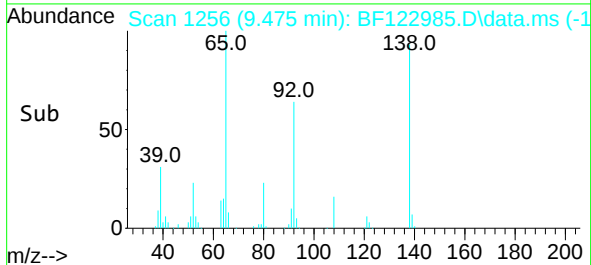
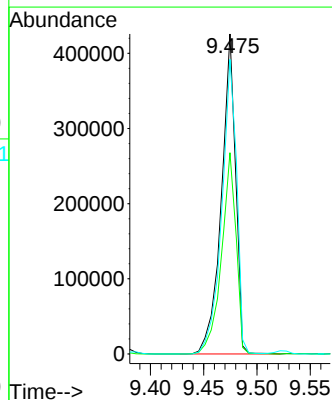
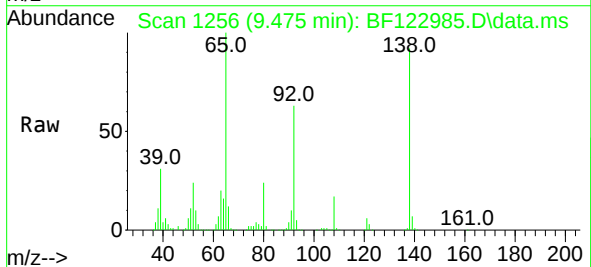


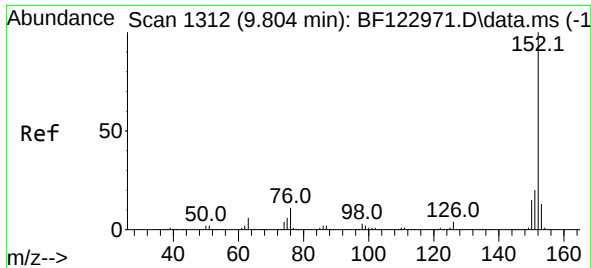
Tgt Ion:162 Resp: 1235018
Ion Ratio Lower Upper
162 100
127 38.4 33.8 50.8
164 33.8 26.5 39.7



#48
2-Nitroaniline
Concen: 40.83 ng
RT: 9.475 min Scan# 1256
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion: 65 Resp: 395121
Ion Ratio Lower Upper
65 100
92 62.9 60.0 90.0
138 92.0 100.6 151.0#

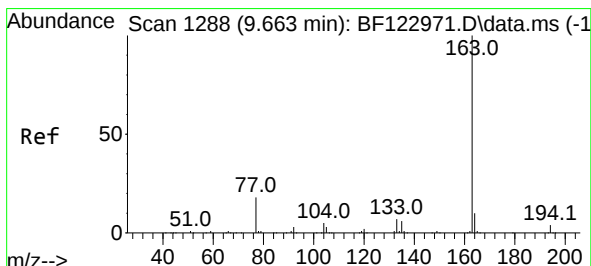
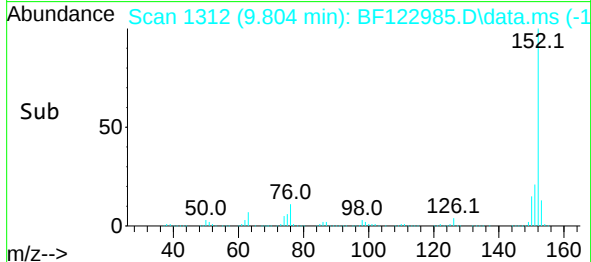
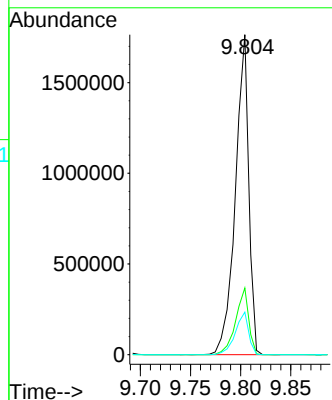
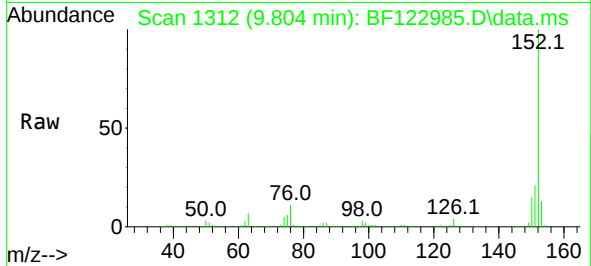




#49
Acenaphthylene
Concen: 39.45 ng
RT: 9.804 min Scan# 1312
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

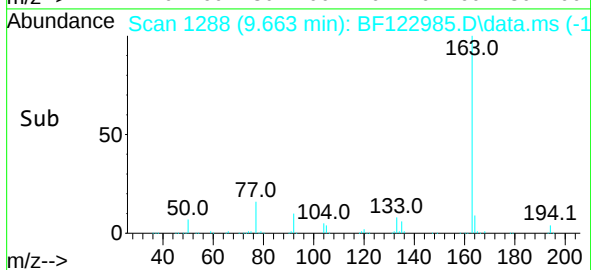
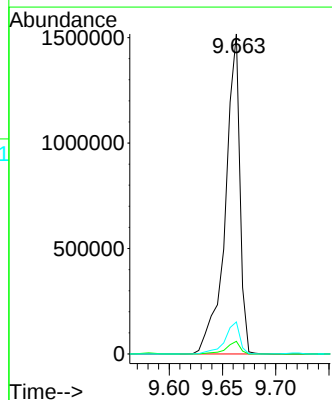
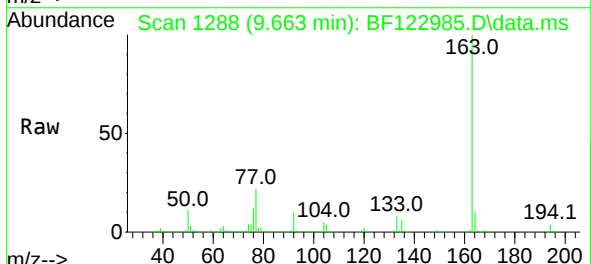
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

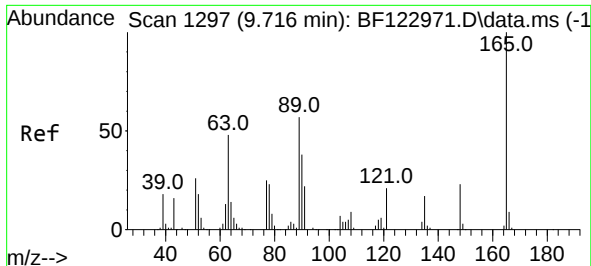
Tgt Ion:152 Resp: 1634039
Ion Ratio Lower Upper
152 100
151 20.9 16.6 25.0
153 13.3 10.9 16.3



#50
Dimethylphthalate
Concen: 44.16 ng
RT: 9.663 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:163 Resp: 1434342
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.0 8.1 12.1

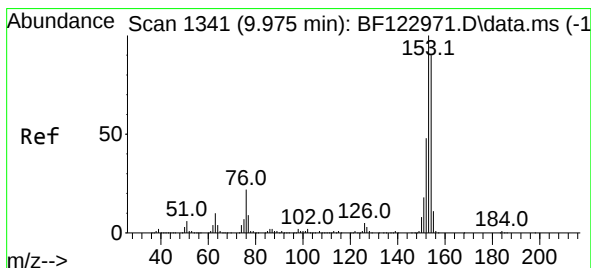
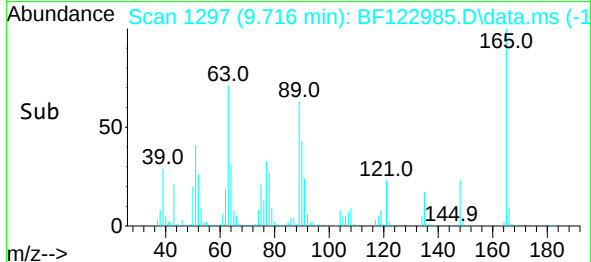
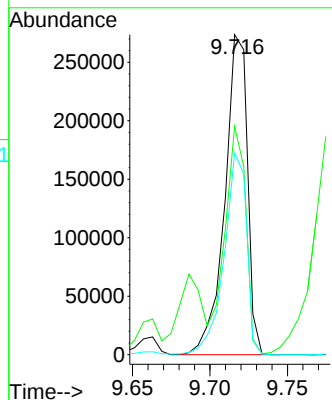
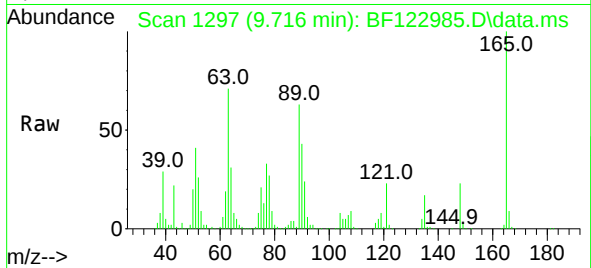




#51
2,6-Dinitrotoluene
Concen: 39.28 ng
RT: 9.716 min Scan# 1297
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

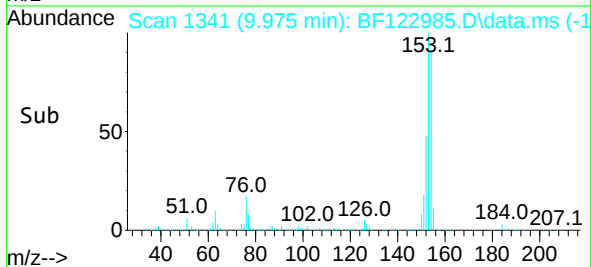
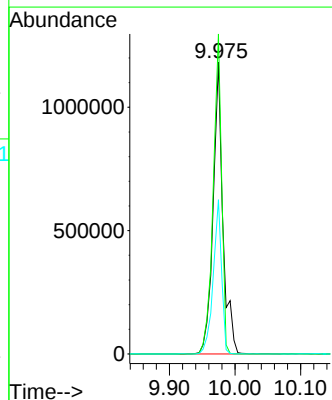
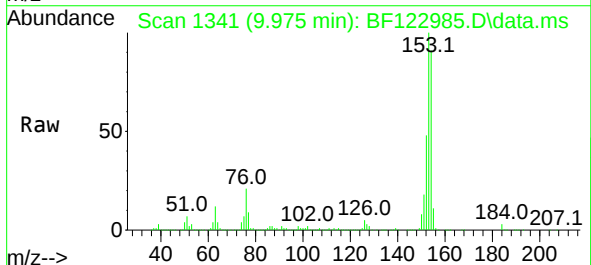
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

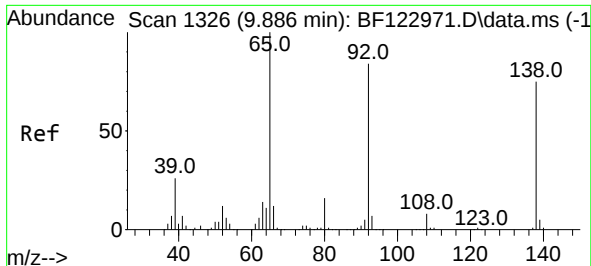
Tgt Ion:165 Resp: 279051
Ion Ratio Lower Upper
165 100
63 71.3 36.6 55.0#
89 63.0 39.4 59.0#



#52
Acenaphthene
Concen: 46.26 ng
RT: 9.975 min Scan# 1341
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:154 Resp: 1238597
Ion Ratio Lower Upper
154 100
153 109.8 89.0 133.6
152 52.9 42.7 64.1

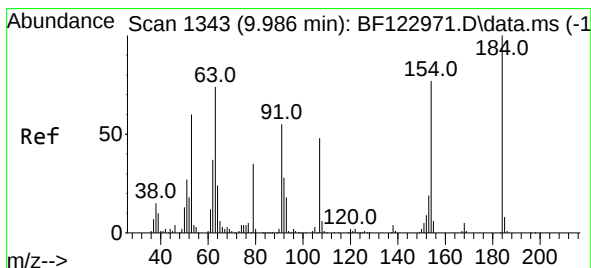
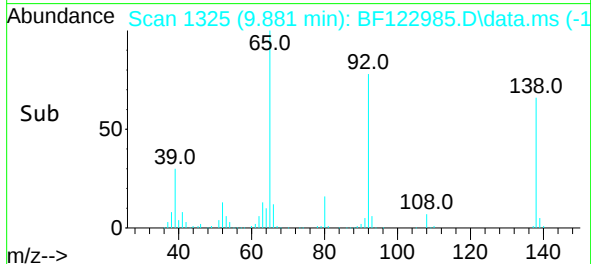
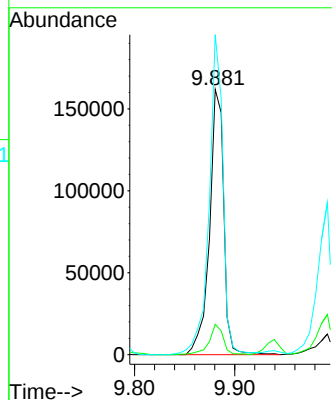
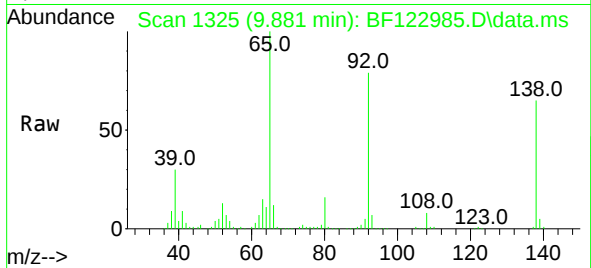




#53
3-Nitroaniline
Concen: 18.26 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

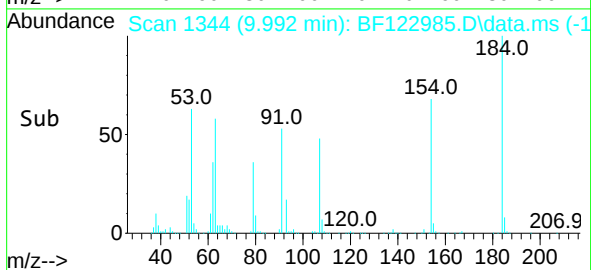
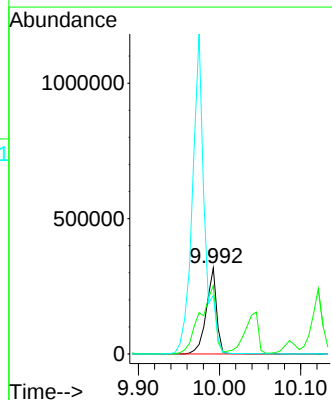
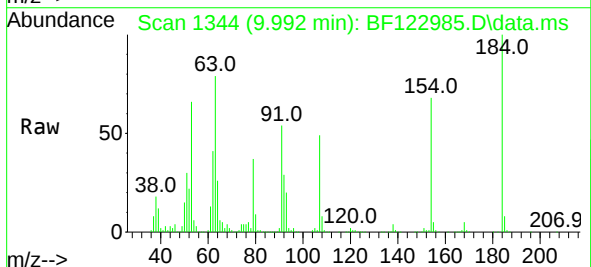
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

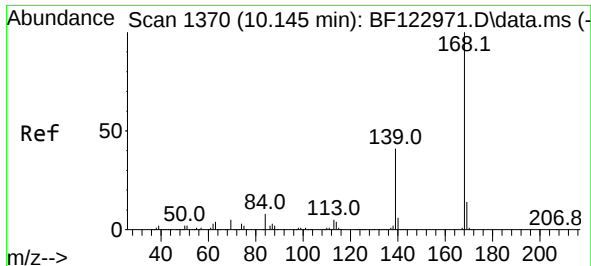
Tgt Ion:138 Resp: 160330
Ion Ratio Lower Upper
138 100
108 11.5 8.2 12.2
92 120.6 85.4 128.2



#54
2,4-Dinitrophenol
Concen: 70.82 ng
RT: 9.992 min Scan# 1344
Delta R.T. 0.006 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:184 Resp: 280737
Ion Ratio Lower Upper
184 100
63 79.3 51.4 77.2#
154 67.9 49.7 74.5

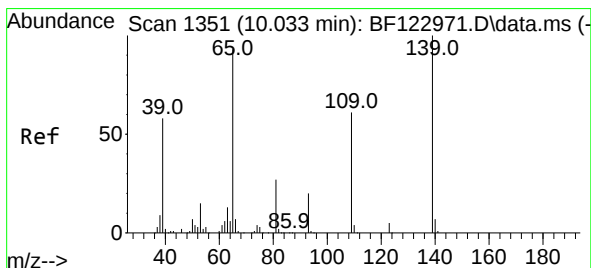
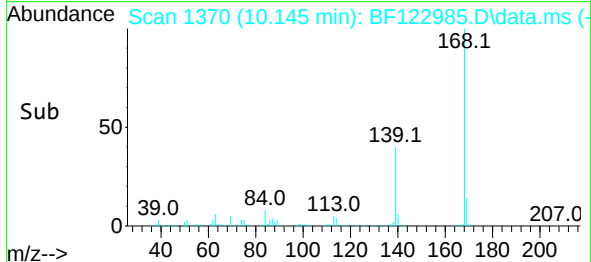
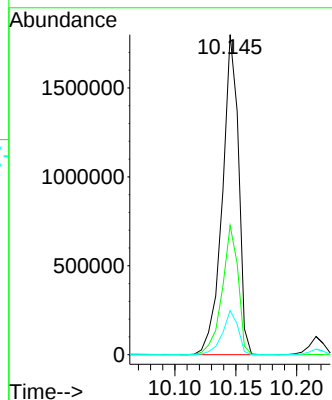
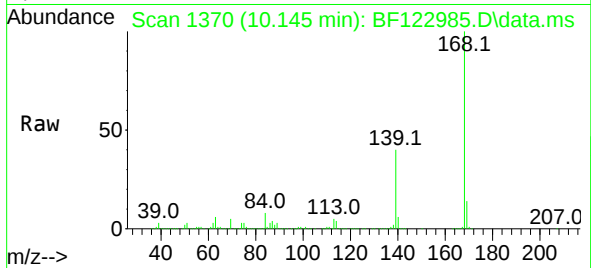




#55
Dibenzenofuran
Concen: 44.72 ng
RT: 10.145 min Scan# 1370
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

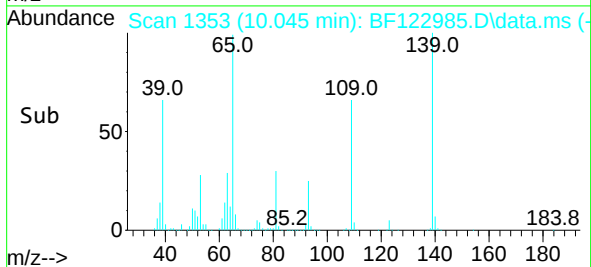
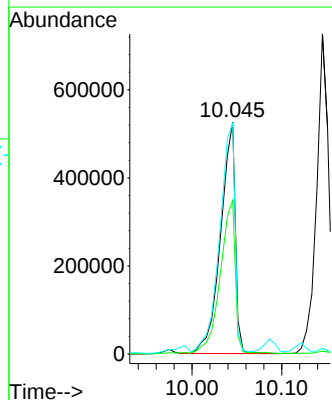
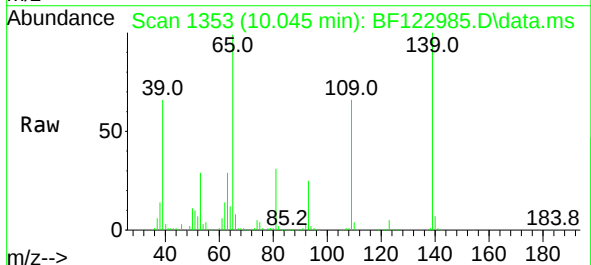
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

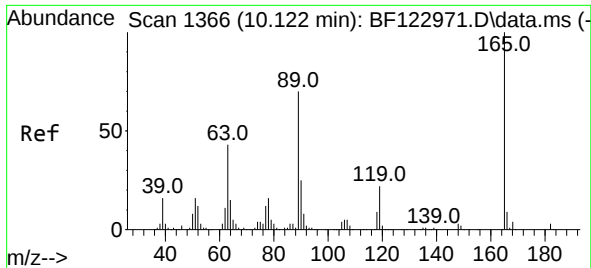
Tgt Ion:168 Resp: 1668988
Ion Ratio Lower Upper
168 100
139 40.4 31.3 46.9
169 13.8 11.2 16.8



#56
4-Nitrophenol
Concen: 92.32 ng
RT: 10.045 min Scan# 1353
Delta R.T. 0.012 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:139 Resp: 597550
Ion Ratio Lower Upper
139 100
109 66.4 45.1 85.1
65 99.4 59.2 99.2#



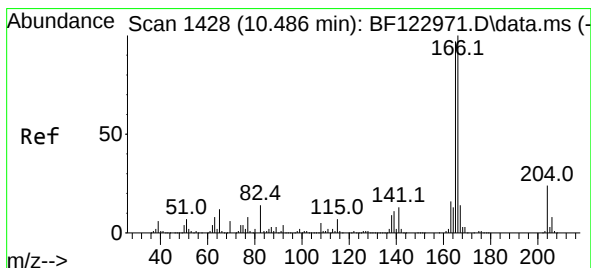
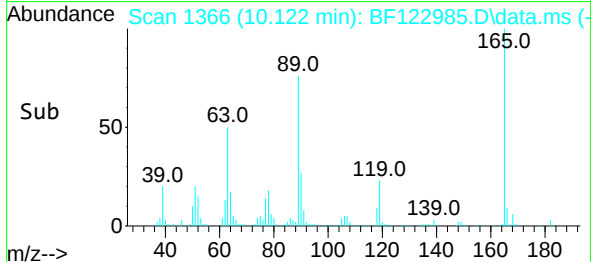
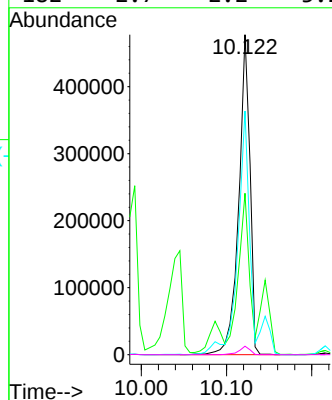
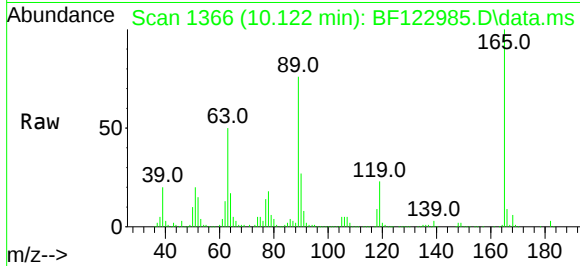


#57
2,4-Dinitrotoluene
Concen: 47.71 ng
RT: 10.122 min Scan# 1366
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

Tgt Ion:165 Resp: 435997

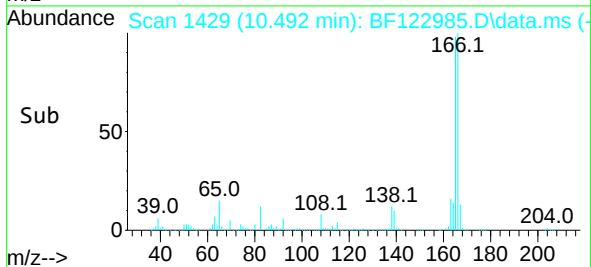
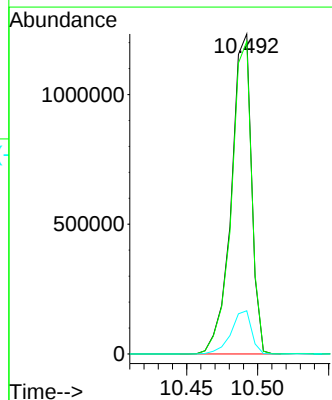
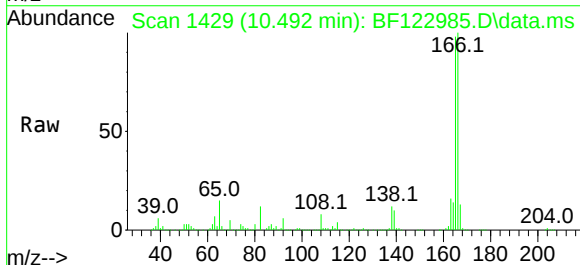
Ion	Ratio	Lower	Upper
165	100		
63	50.4	34.3	51.5
89	76.1	55.2	82.8
182	2.7	2.2	3.2

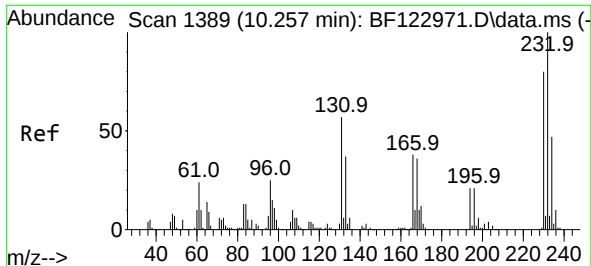


#58
Fluorene
Concen: 41.83 ng
RT: 10.492 min Scan# 1429
Delta R.T. 0.006 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:166 Resp: 1220975

Ion	Ratio	Lower	Upper
166	100		
165	97.6	79.4	119.0
167	13.5	10.9	16.3

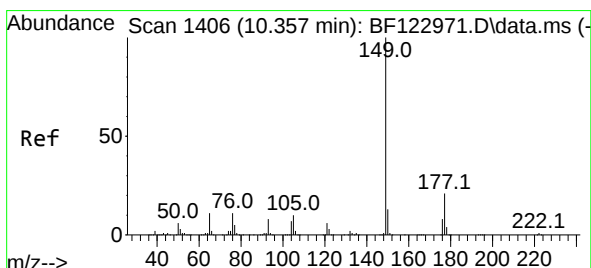
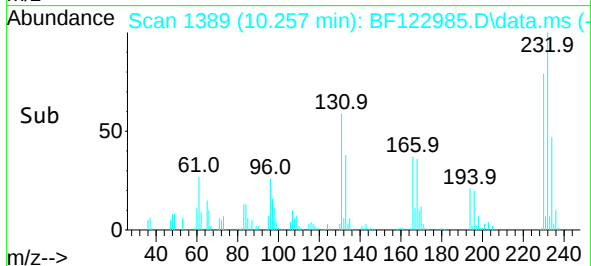
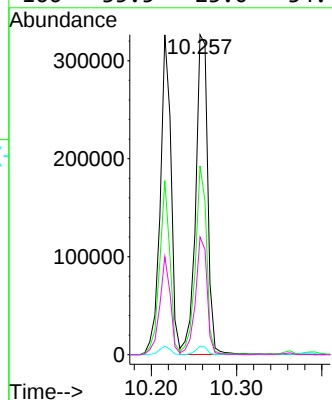
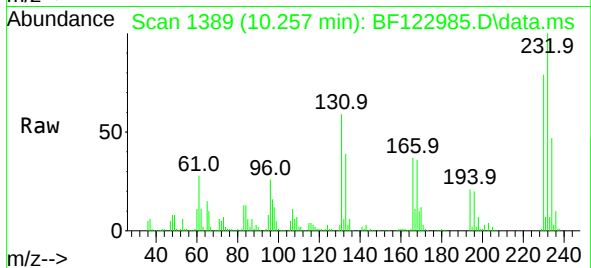




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.06 ng
RT: 10.257 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

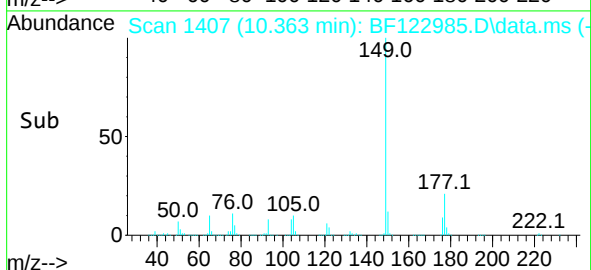
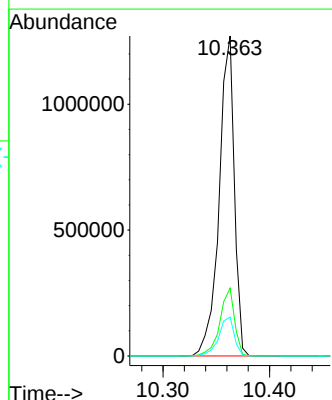
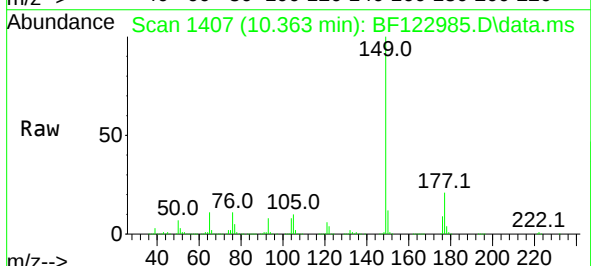
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

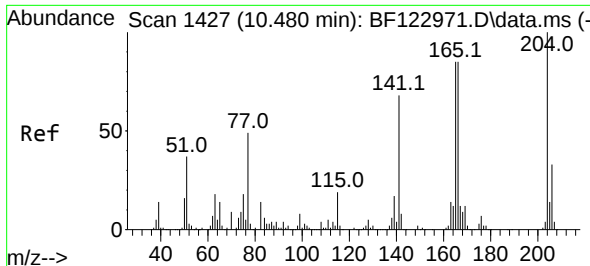
Tgt Ion:232 Resp: 319416
Ion Ratio Lower Upper
232 100
131 54.8 33.0 49.4#
130 2.6 1.7 2.5#
166 35.5 23.0 34.4#



#60
Diethylphthalate
Concen: 39.71 ng
RT: 10.363 min Scan# 1407
Delta R.T. 0.006 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:149 Resp: 1253323
Ion Ratio Lower Upper
149 100
177 21.2 18.2 27.4
150 12.2 10.1 15.1

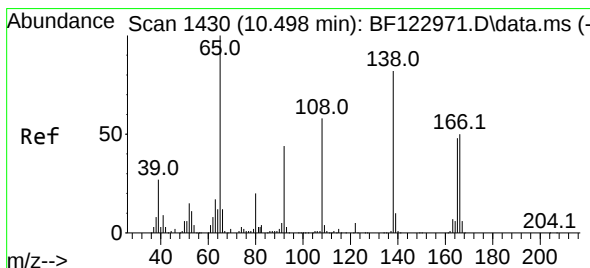
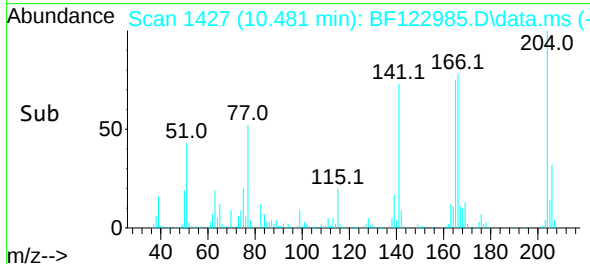
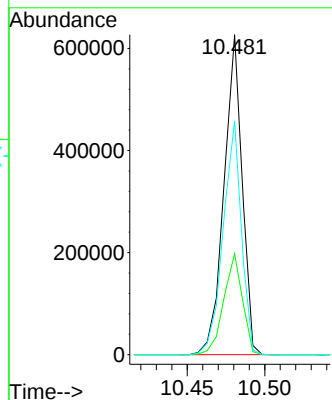
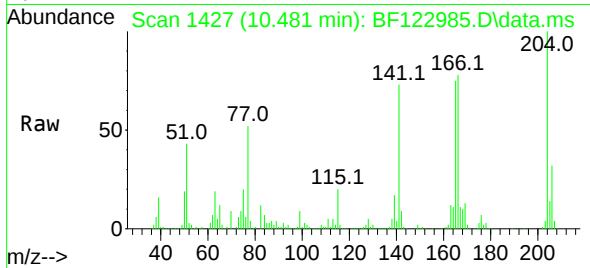




#61
4-Chlorophenyl-phenylether
Concen: 38.96 ng
RT: 10.481 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

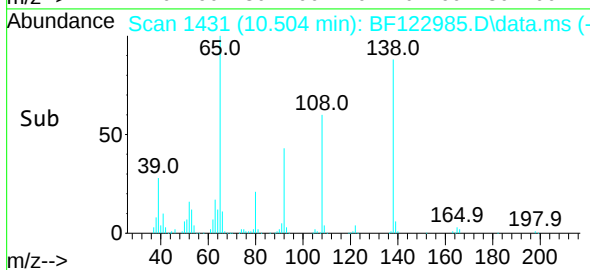
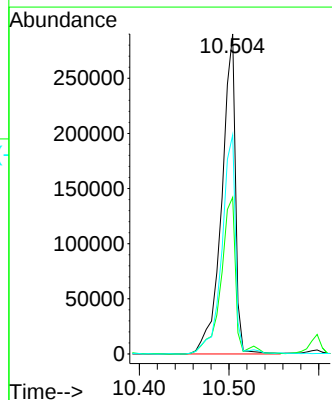
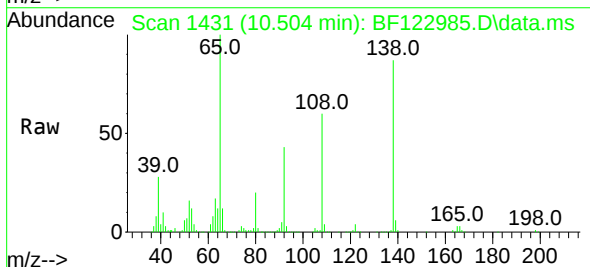
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

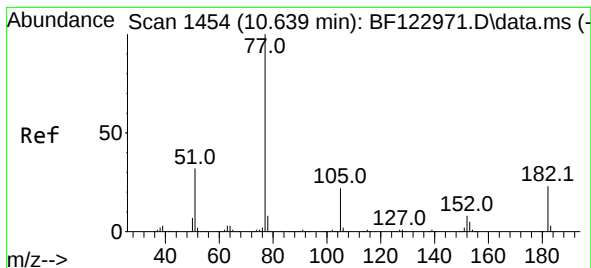
Tgt Ion:204 Resp: 511379
Ion Ratio Lower Upper
204 100
206 31.6 27.0 40.4
141 73.1 50.4 75.6



#62
4-Nitroaniline
Concen: 35.70 ng
RT: 10.504 min Scan# 1431
Delta R.T. 0.006 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:138 Resp: 309232
Ion Ratio Lower Upper
138 100
92 48.9 31.0 71.0
108 68.5 54.8 94.8



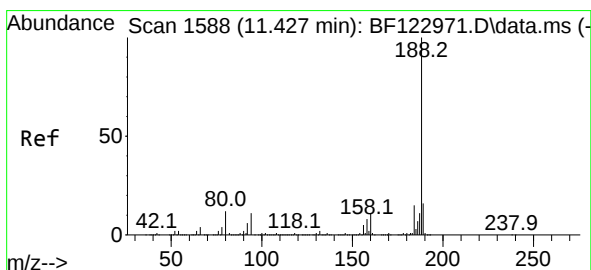
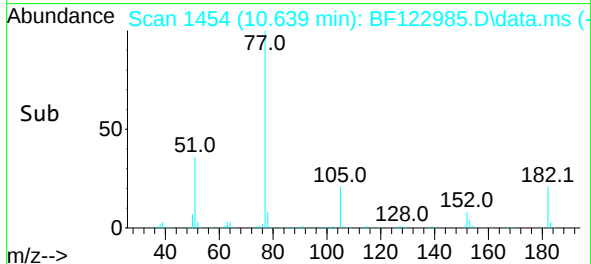
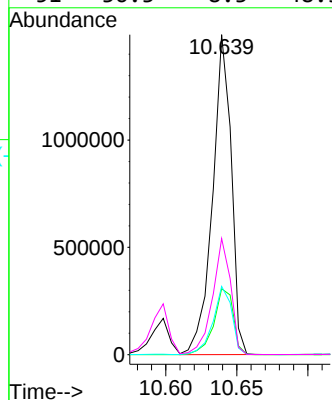
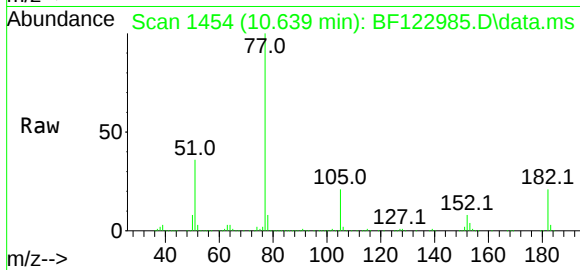


#63
Azobenzene
Concen: 43.04 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

Tgt Ion: 77 Resp: 1359288

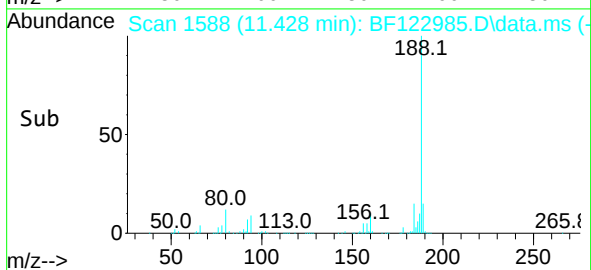
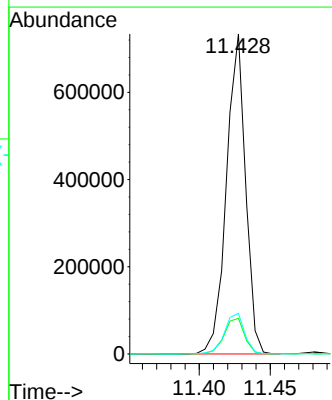
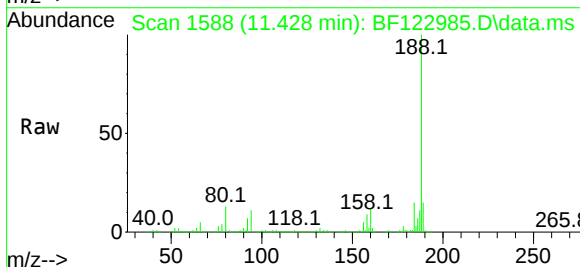
Ion	Ratio	Lower	Upper
77	100		
182	20.6	5.6	45.6
105	21.4	1.8	41.8
51	36.3	8.3	48.3

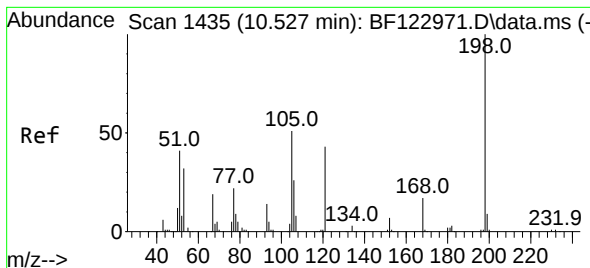


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.428 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion: 188 Resp: 683647

Ion	Ratio	Lower	Upper
188	100		
94	11.1	7.4	11.2
80	12.7	8.2	12.4

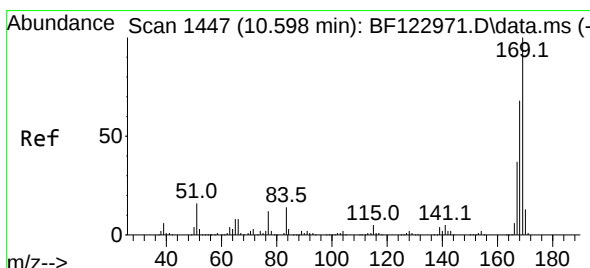
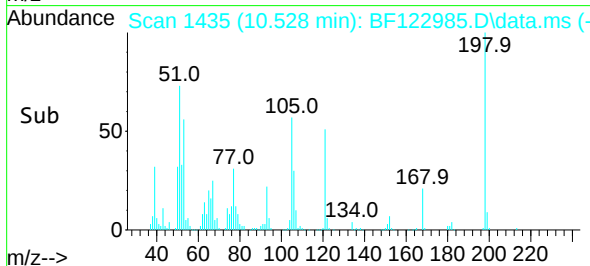
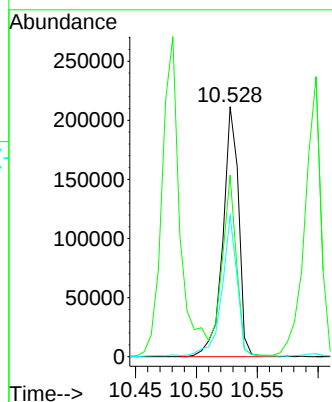
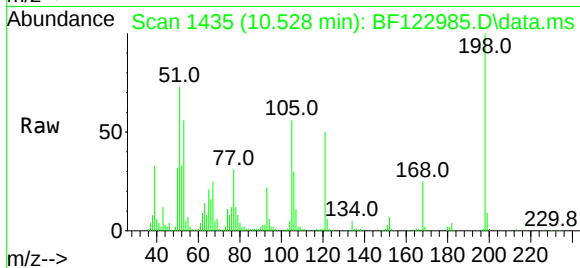




#65
4,6-Dinitro-2-methylphenol
Concen: 49.39 ng
RT: 10.528 min Scan# 1435
Delta R.T. 0.001 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

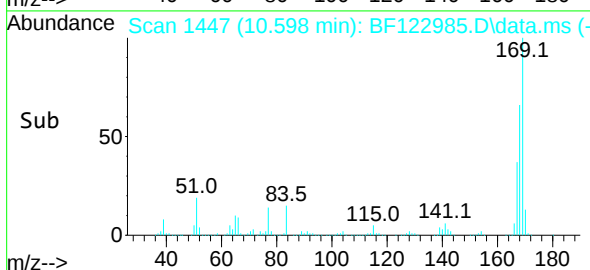
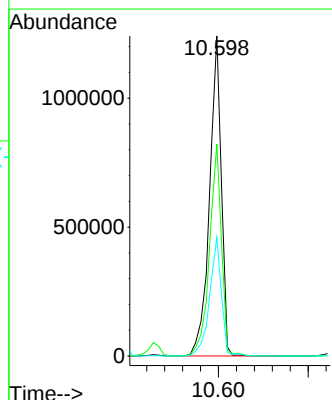
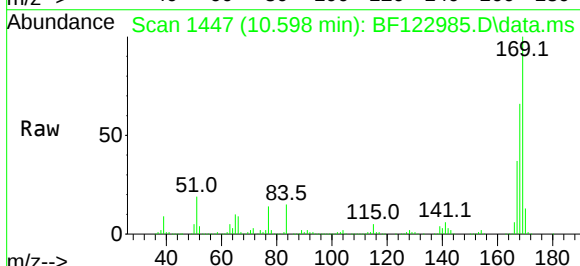
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

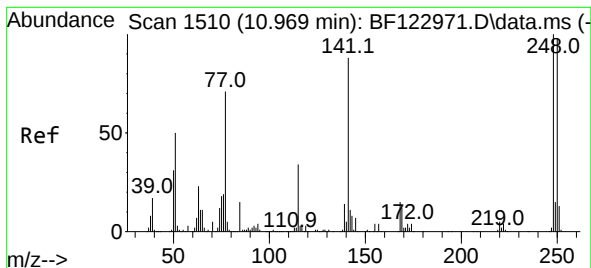
Tgt Ion:198 Resp: 190174
Ion Ratio Lower Upper
198 100
51 72.6 20.3 60.3#
105 56.5 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 44.36 ng
RT: 10.598 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:169 Resp: 1132164
Ion Ratio Lower Upper
169 100
168 66.2 54.2 81.2
167 37.1 29.2 43.8

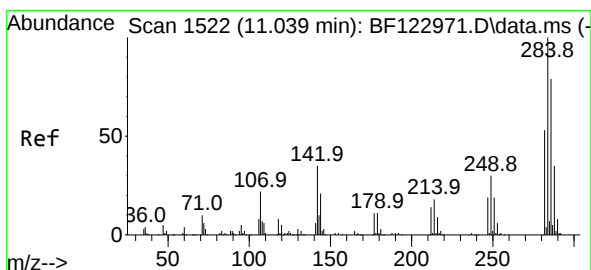
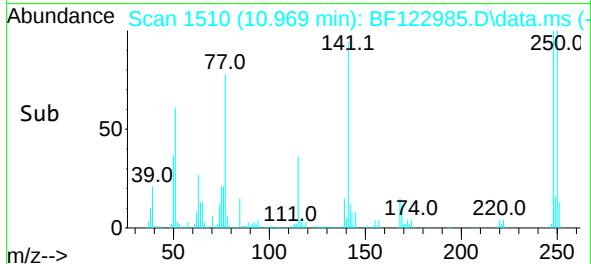
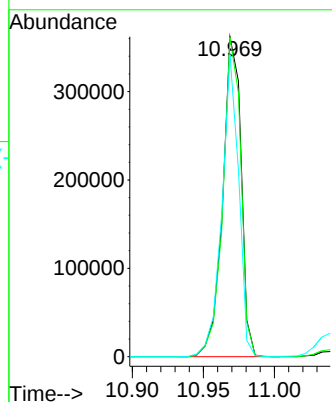
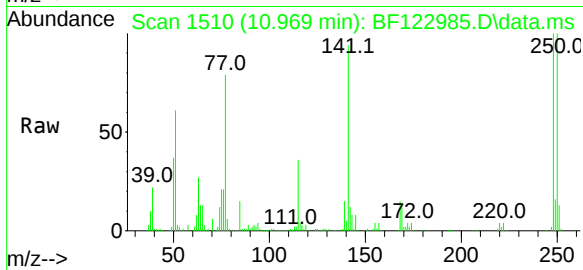




#67
4-Bromophenyl-phenylether
Concen: 38.94 ng
RT: 10.969 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

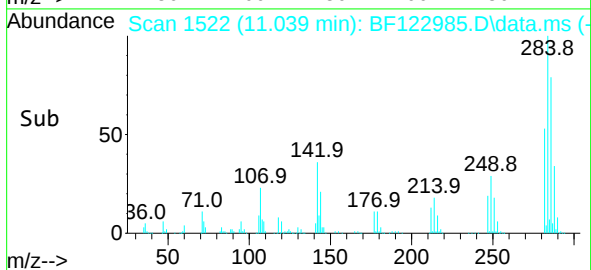
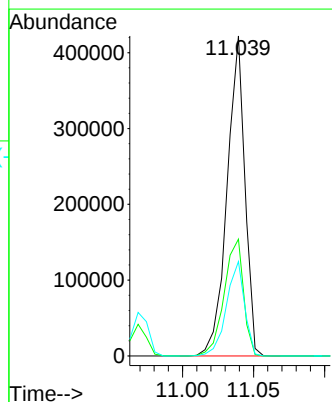
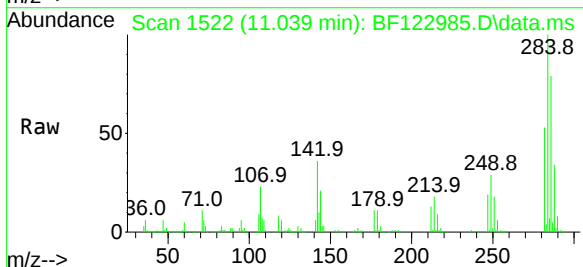
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

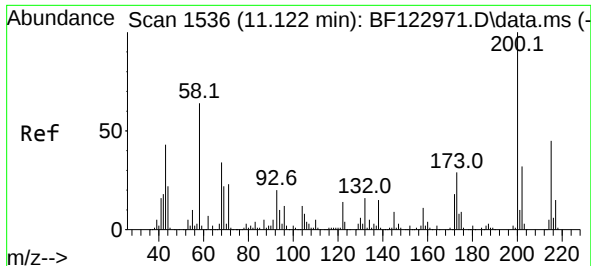
Tgt Ion:248 Resp: 325450
Ion Ratio Lower Upper
248 100
250 99.9 76.8 115.2
141 94.4 59.8 89.8#



#68
Hexachlorobenzene
Concen: 38.60 ng
RT: 11.039 min Scan# 1522
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:284 Resp: 368928
Ion Ratio Lower Upper
284 100
142 36.5 25.6 38.4
249 29.5 25.1 37.7

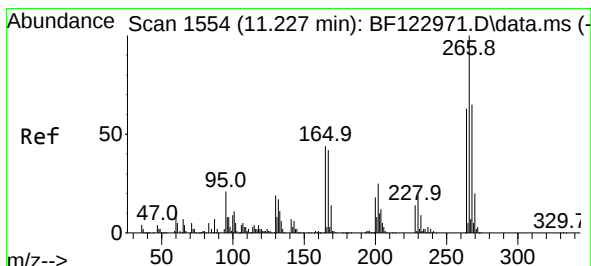
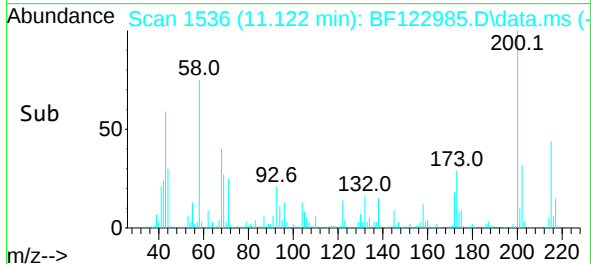
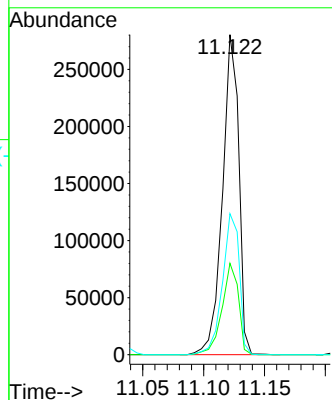
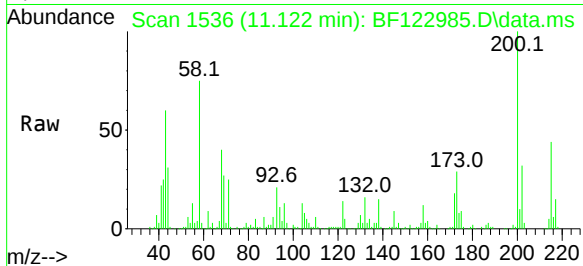




#69
Atrazine
Concen: 38.51 ng
RT: 11.122 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

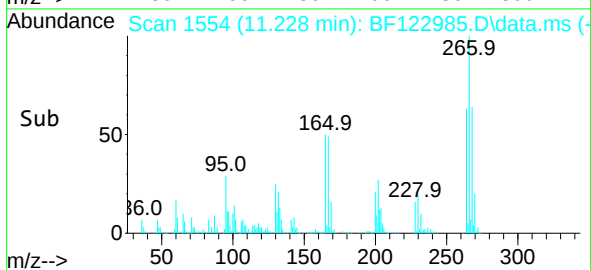
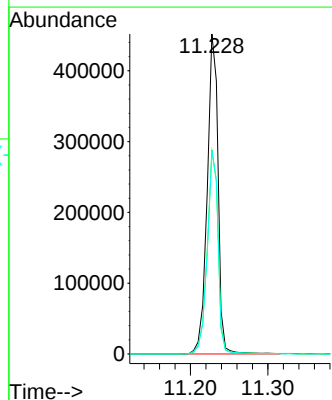
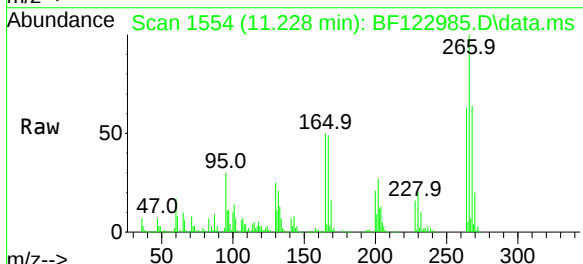
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

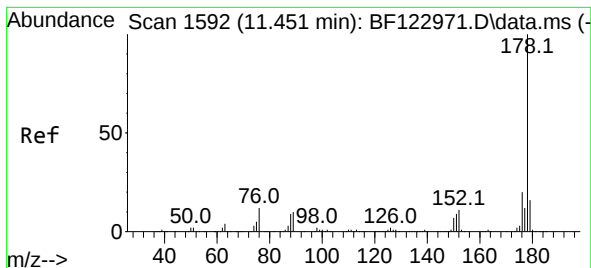
Tgt Ion:200 Resp: 261667
Ion Ratio Lower Upper
200 100
173 28.5 6.6 46.6
215 44.1 28.1 68.1



#70
Pentachlorophenol
Concen: 87.48 ng
RT: 11.228 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:266 Resp: 439729
Ion Ratio Lower Upper
266 100
268 63.8 50.5 75.7
264 63.4 49.8 74.8

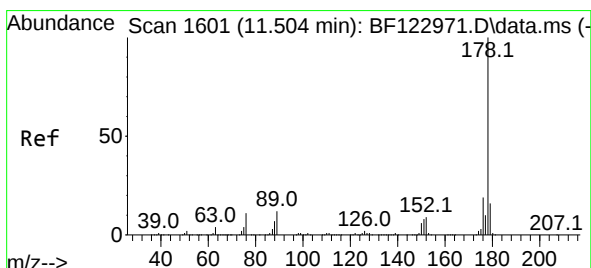
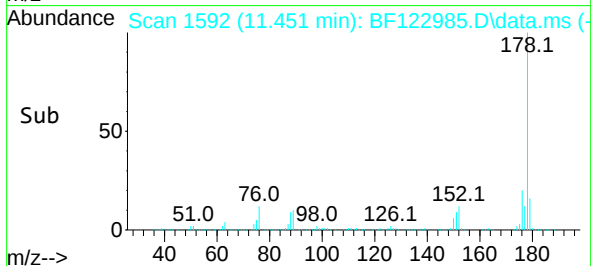
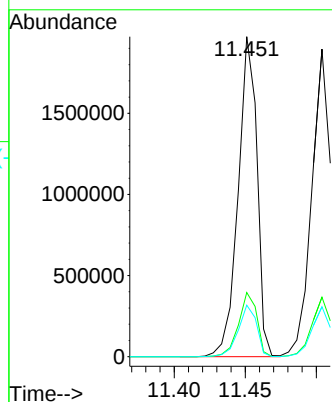
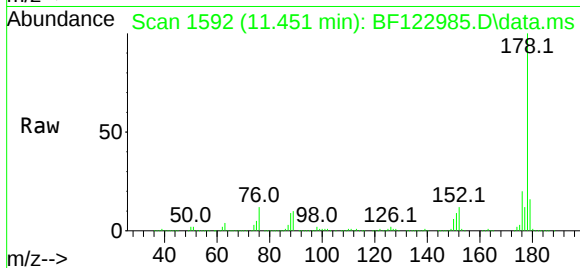




#71
Phenanthrene
Concen: 44.43 ng
RT: 11.451 min Scan# 1592
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

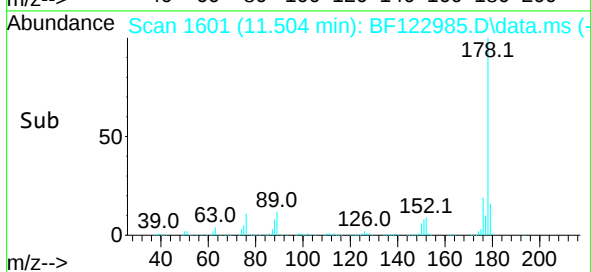
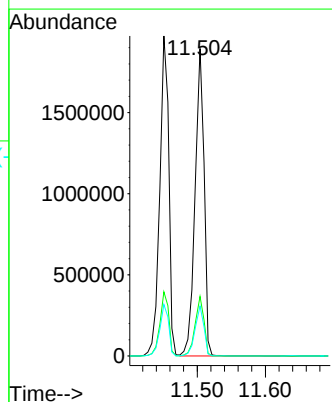
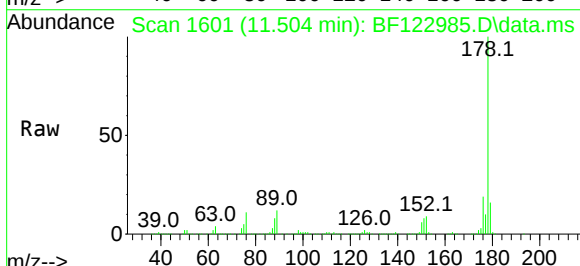
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

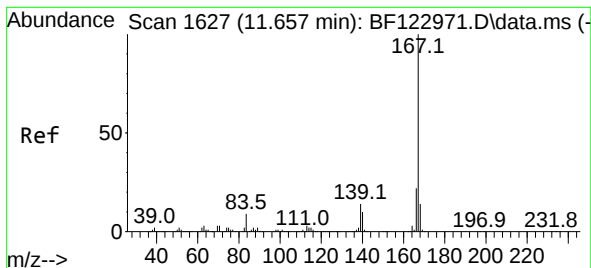
Tgt Ion:178 Resp: 1820484
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.2
179 16.1 12.7 19.1



#72
Anthracene
Concen: 43.04 ng
RT: 11.504 min Scan# 1601
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:178 Resp: 1742605
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 16.2 12.8 19.2



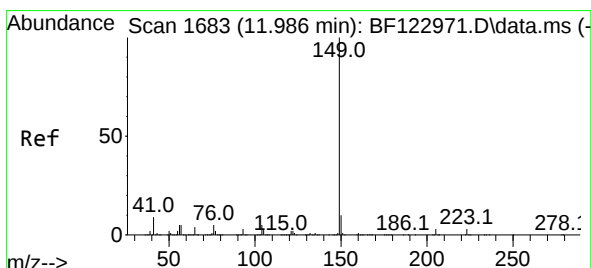
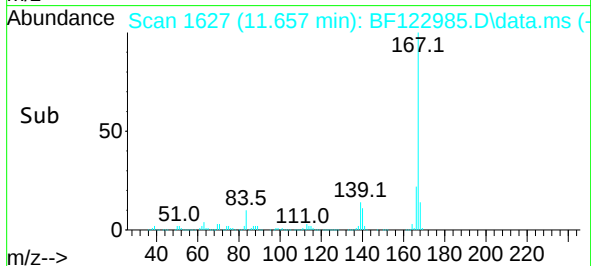
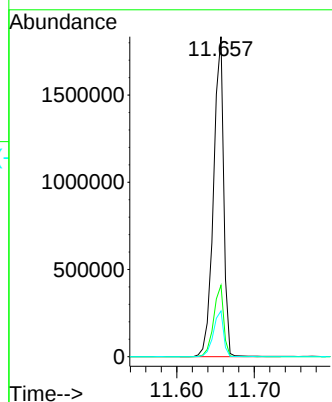
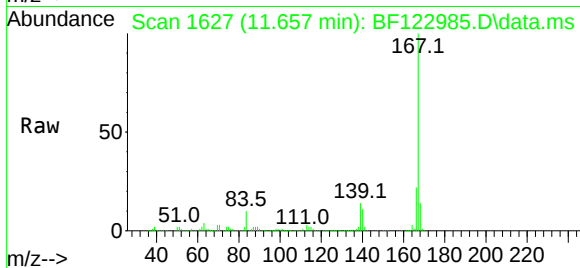


#73
 Carbazole
 Concen: 42.60 ng
 RT: 11.657 min Scan# 1627
 Delta R.T. 0.000 min
 Lab File: BF122985.D
 Acq: 18 Jan 2021 13:25

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-RBF-DARKMSD

Tgt Ion:167 Resp: 1671833

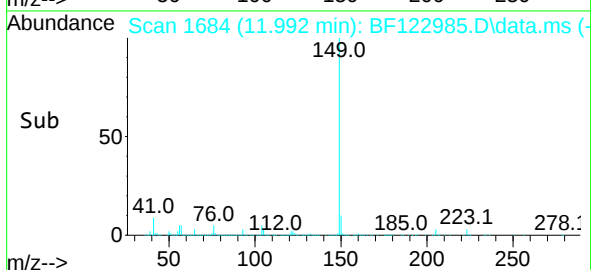
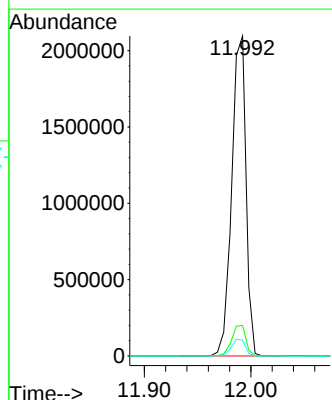
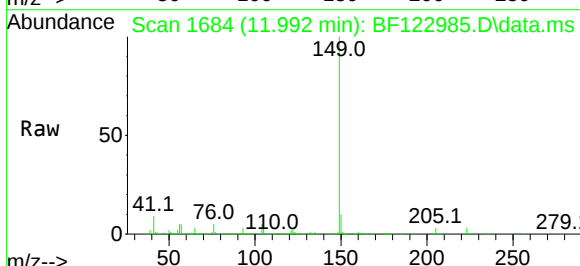
Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.0	27.0
139	14.3	10.9	16.3

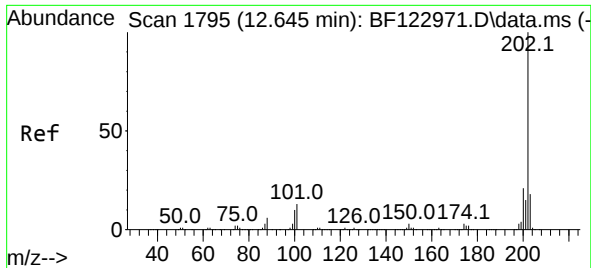


#74
 Di-n-butylphthalate
 Concen: 41.90 ng
 RT: 11.992 min Scan# 1684
 Delta R.T. 0.006 min
 Lab File: BF122985.D
 Acq: 18 Jan 2021 13:25

Tgt Ion:149 Resp: 1946191

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.8	11.6
104	5.0	4.2	6.4

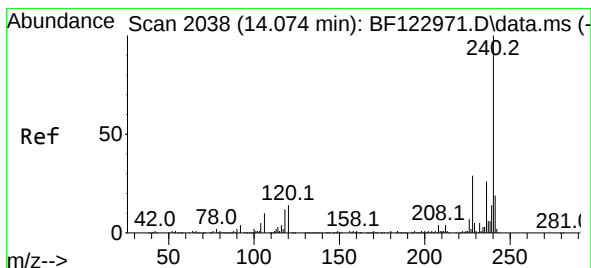
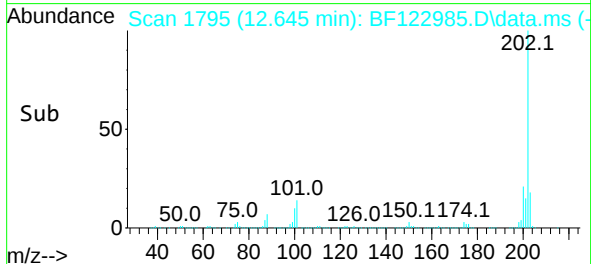
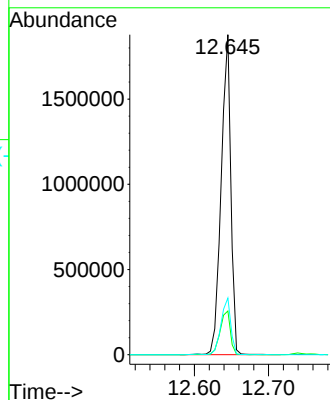
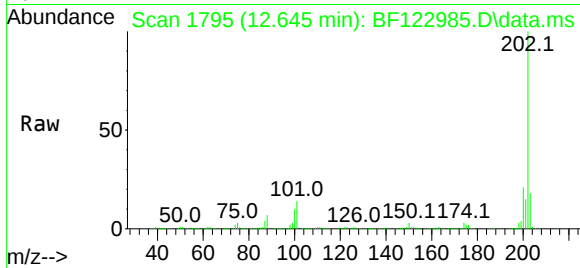




#75
Fluoranthene
Concen: 41.06 ng
RT: 12.645 min Scan# 1795
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

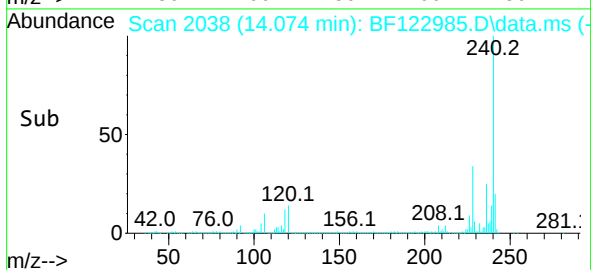
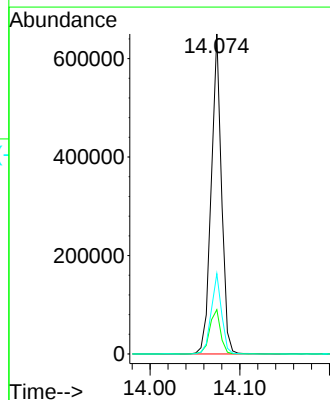
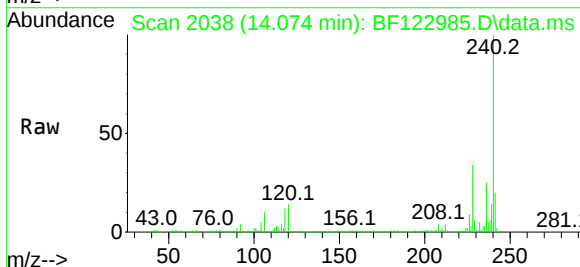
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

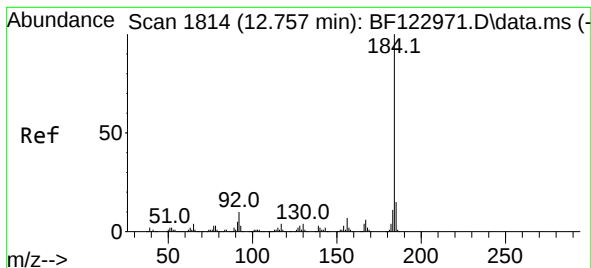
Tgt Ion:202 Resp: 1701961
Ion Ratio Lower Upper
202 100
101 13.7 0.0 32.2
203 17.7 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:240 Resp: 515727
Ion Ratio Lower Upper
240 100
120 13.9 8.6 12.8#
236 25.1 20.3 30.5





#77

Benzidine

Concen: 30.83 ng

RT: 12.757 min Scan# 1814

Delta R.T. 0.000 min

Lab File: BF122985.D

Acq: 18 Jan 2021 13:25

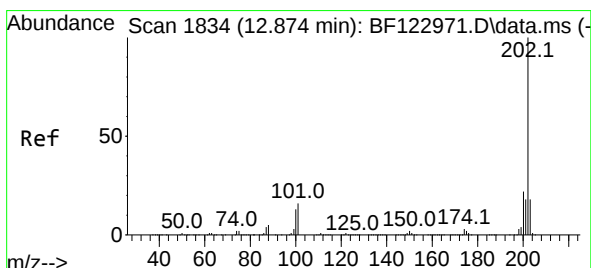
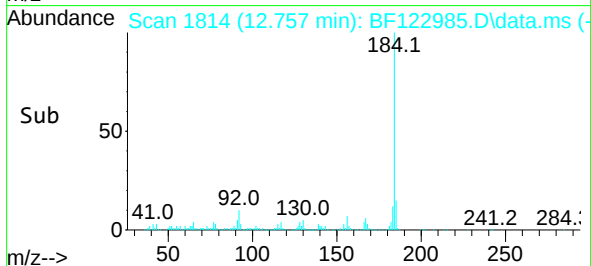
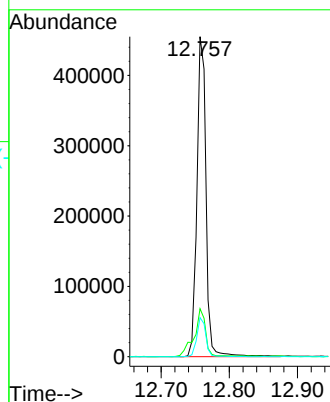
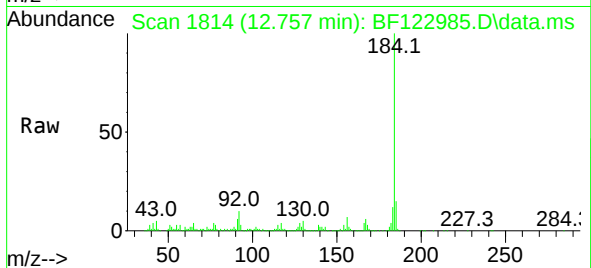
Tgt Ion:184 Resp: 421073

Ion Ratio Lower Upper

184 100

185 15.0 11.8 17.6

183 12.2 9.7 14.5



#78

Pyrene

Concen: 40.55 ng

RT: 12.874 min Scan# 1834

Delta R.T. 0.000 min

Lab File: BF122985.D

Acq: 18 Jan 2021 13:25

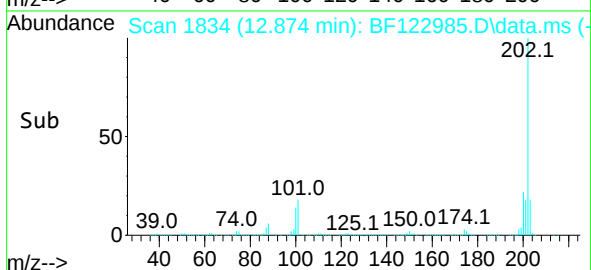
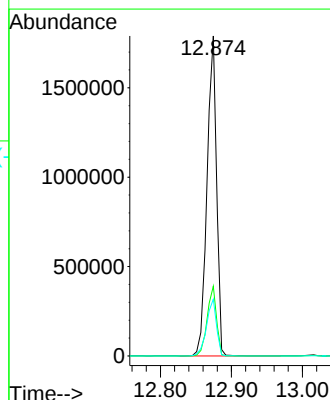
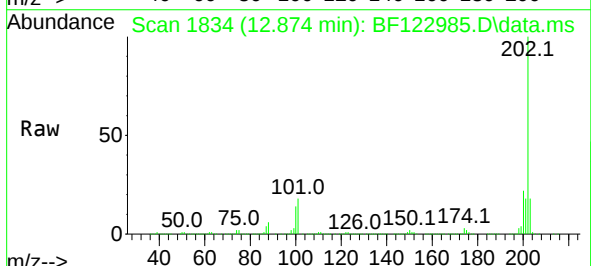
Tgt Ion:202 Resp: 1674408

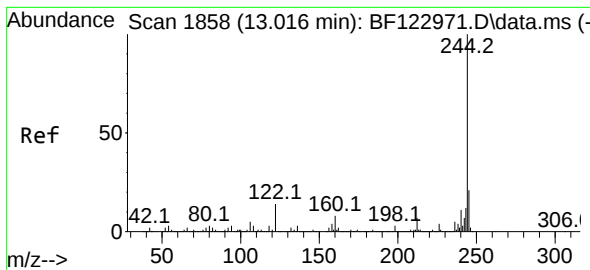
Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

203 17.8 14.6 21.8





#79

Terphenyl-d14

Concen: 52.33 ng

RT: 13.016 min Scan# 1858

Delta R.T. -0.000 min

Lab File: BF122985.D

Acq: 18 Jan 2021 13:25

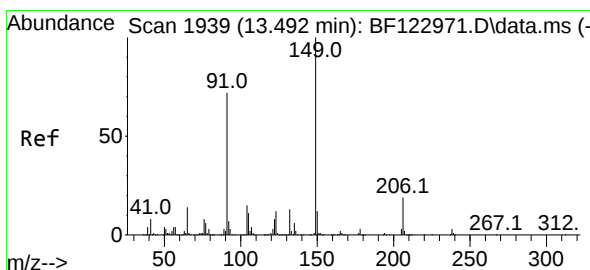
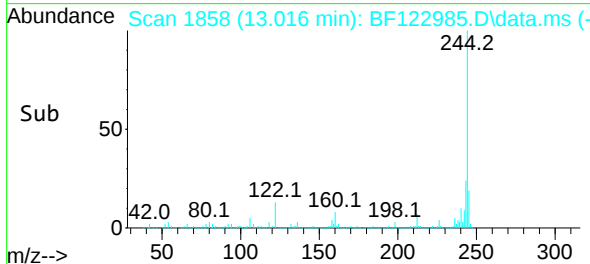
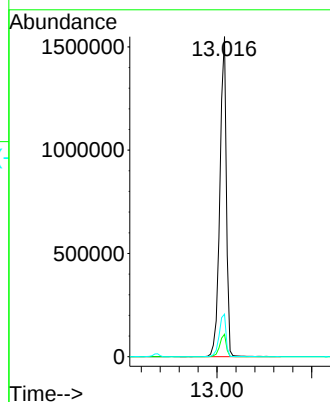
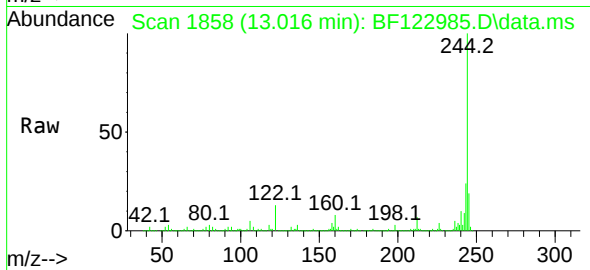
Tgt Ion:244 Resp: 1471972

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 13.3 8.3 12.5#



#80

Butylbenzylphthalate

Concen: 47.97 ng

RT: 13.492 min Scan# 1939

Delta R.T. 0.000 min

Lab File: BF122985.D

Acq: 18 Jan 2021 13:25

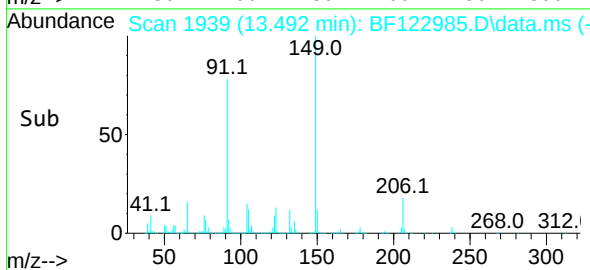
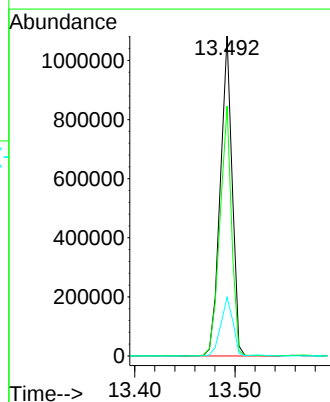
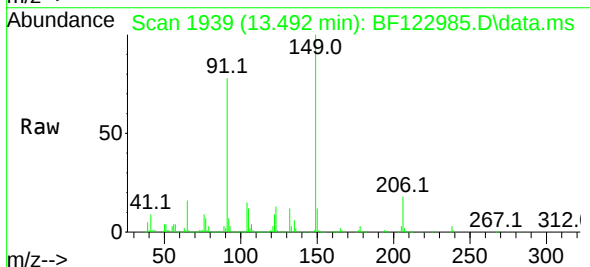
Tgt Ion:149 Resp: 887872

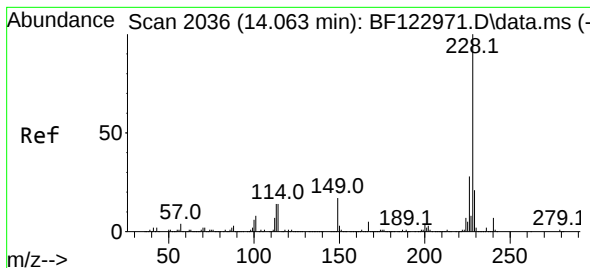
Ion Ratio Lower Upper

149 100

91 78.1 56.5 84.7

206 18.4 17.0 25.6

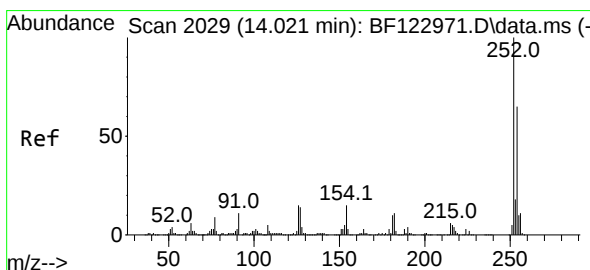
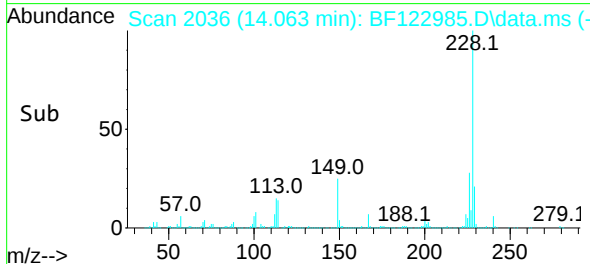
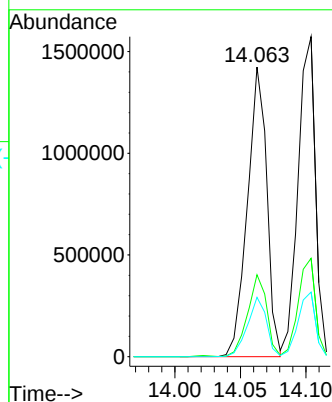
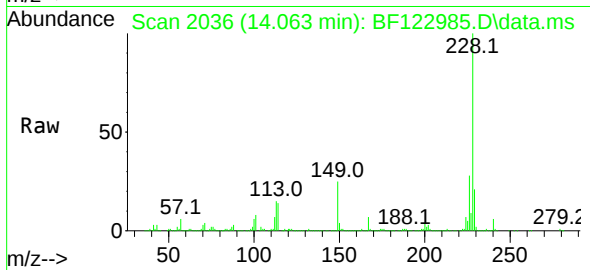




#81
Benzo(a)anthracene
Concen: 42.51 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

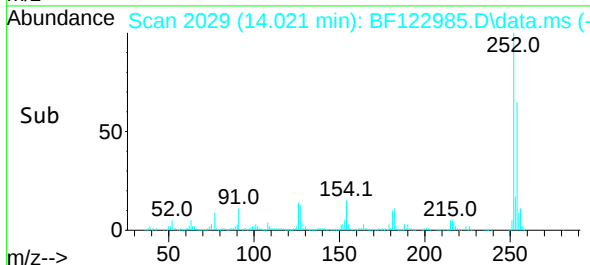
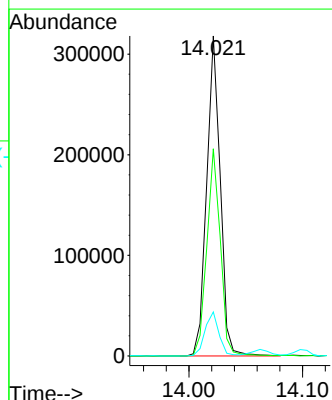
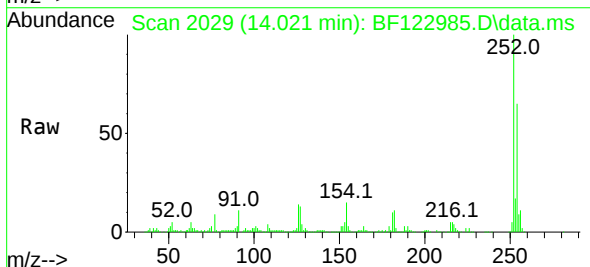
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

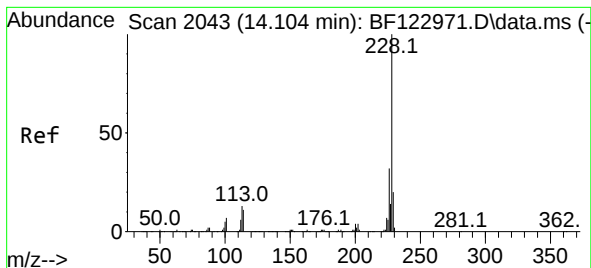
Tgt Ion:228 Resp: 1467173
Ion Ratio Lower Upper
228 100
226 28.3 23.0 34.4
229 20.5 16.6 24.8



#82
3,3'-Dichlorobenzidine
Concen: 23.35 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:252 Resp: 263855
Ion Ratio Lower Upper
252 100
254 64.7 52.7 79.1
126 13.7 8.0 12.0#





#83

Chrysene

Concen: 41.82 ng

RT: 14.104 min Scan# 2043

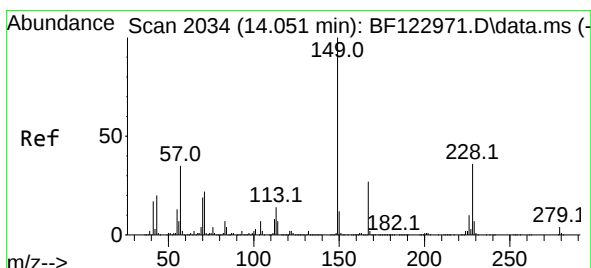
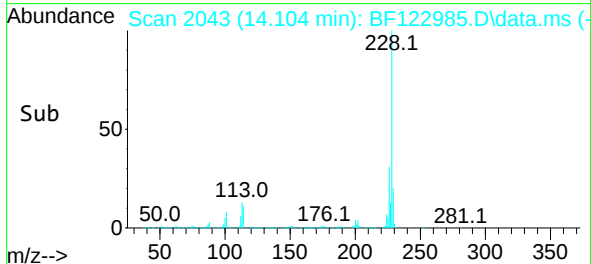
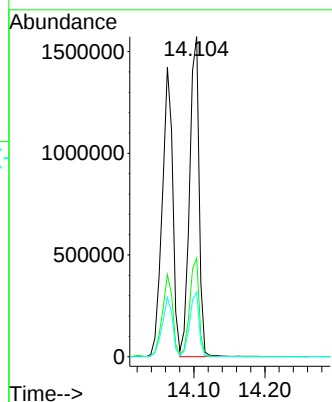
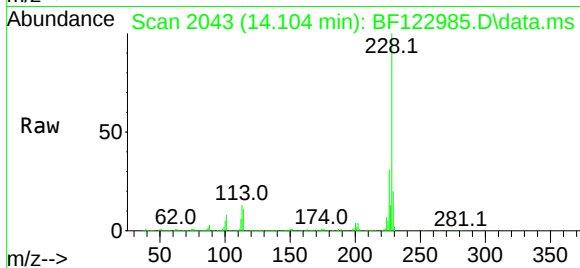
Delta R.T. 0.000 min

Lab File: BF122985.D

Acq: 18 Jan 2021 13:25

Tgt Ion:228 Resp: 1455923

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	36.8
229	20.2	15.8	23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.60 ng

RT: 14.057 min Scan# 2035

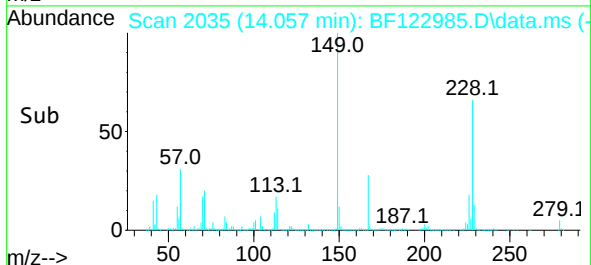
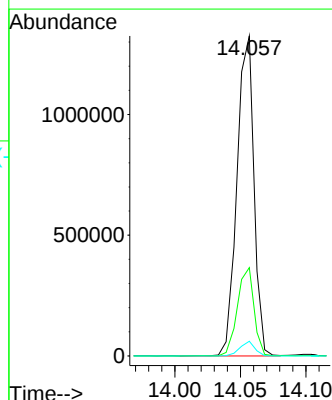
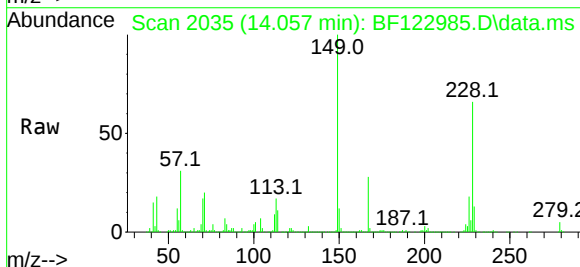
Delta R.T. 0.006 min

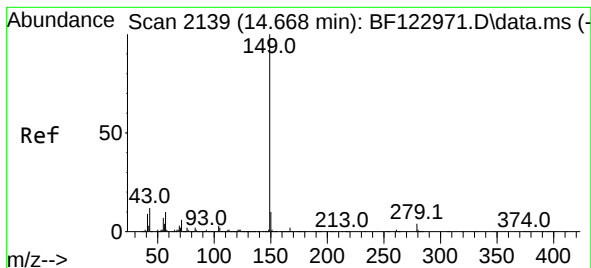
Lab File: BF122985.D

Acq: 18 Jan 2021 13:25

Tgt Ion:149 Resp: 1199245

Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.4	32.2
279	4.6	3.4	5.0

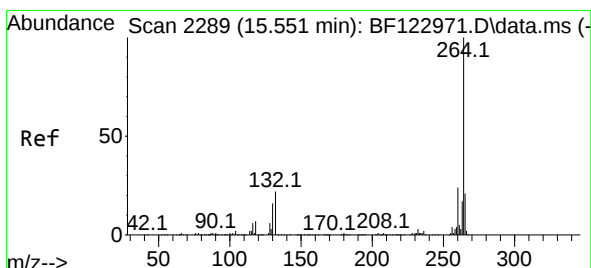
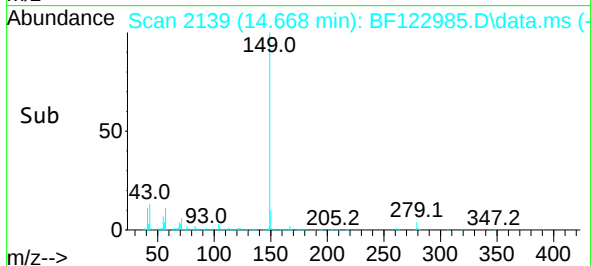
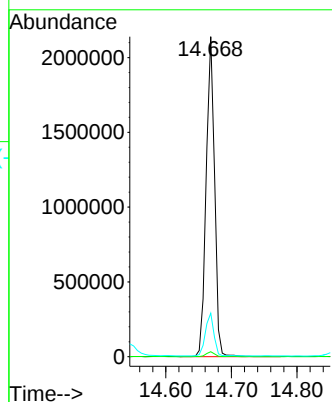
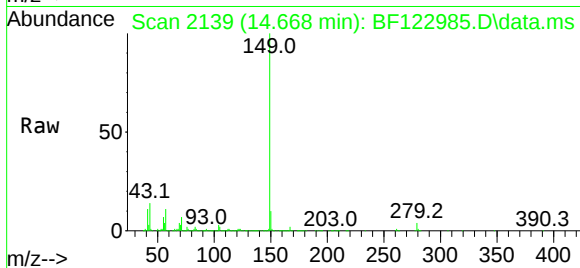




#85
Di-n-octyl phthalate
Concen: 48.06 ng
RT: 14.668 min Scan# 2139
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

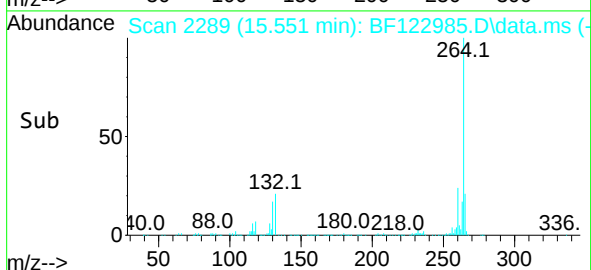
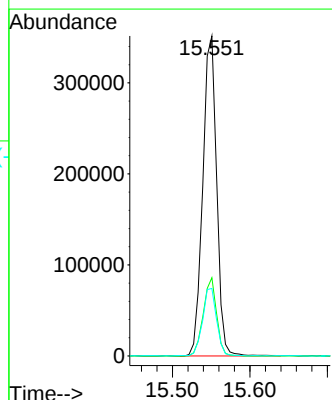
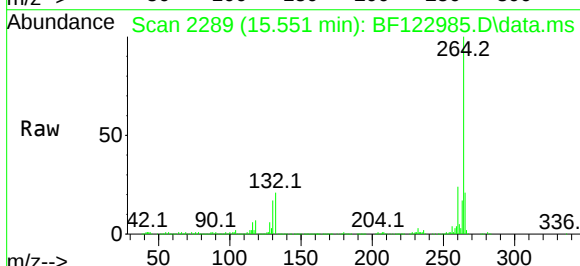
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

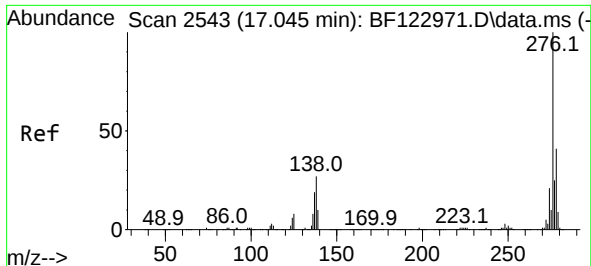
Tgt Ion:149 Resp: 1917921
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 13.3 7.6 11.4#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:264 Resp: 438450
Ion Ratio Lower Upper
264 100
260 24.5 18.6 28.0
265 21.1 17.0 25.6

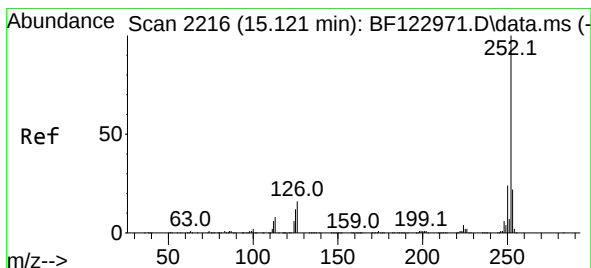
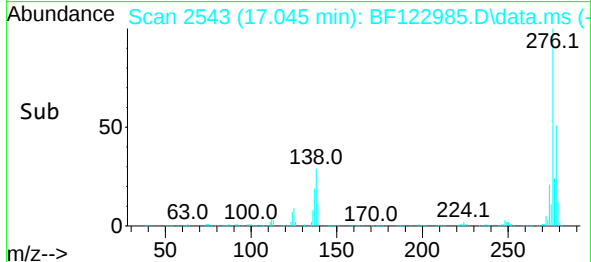
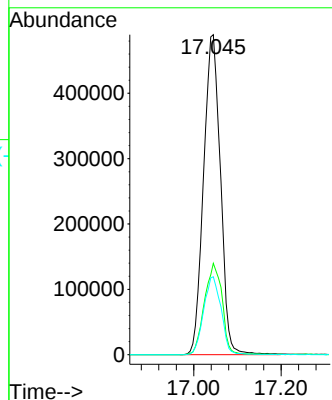
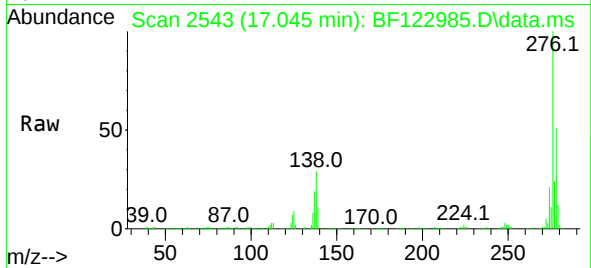




#87
Indeno(1,2,3-cd)pyrene
Concen: 47.75 ng
RT: 17.045 min Scan# 2543
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

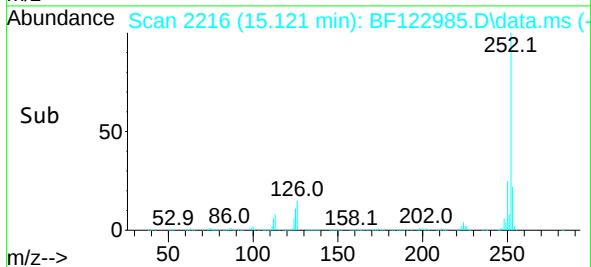
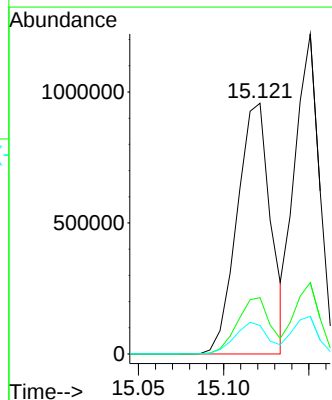
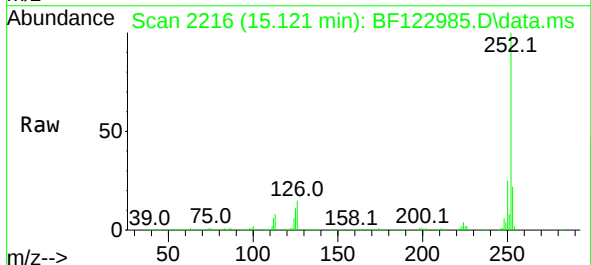
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

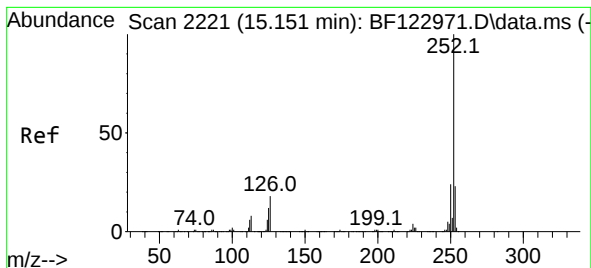
Tgt Ion:276 Resp: 1318851
Ion Ratio Lower Upper
276 100
138 29.7 18.7 28.1#
277 25.2 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 44.35 ng
RT: 15.121 min Scan# 2216
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:252 Resp: 1312279
Ion Ratio Lower Upper
252 100
253 22.5 18.3 27.5
125 11.4 8.1 12.1

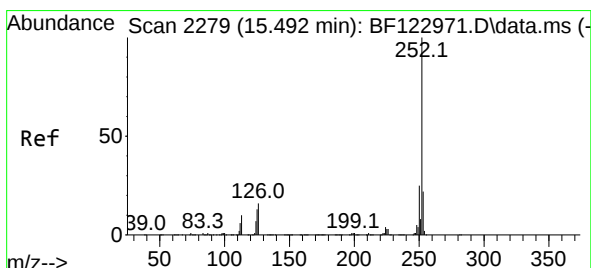
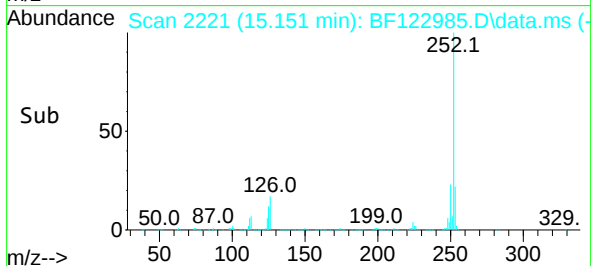
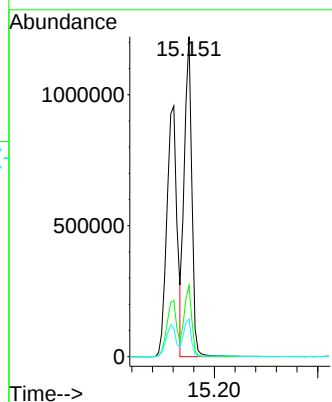
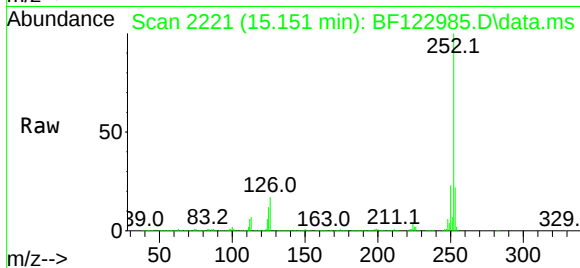




#89
Benzo(k)fluoranthene
Concen: 40.97 ng
RT: 15.151 min Scan# 2221
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

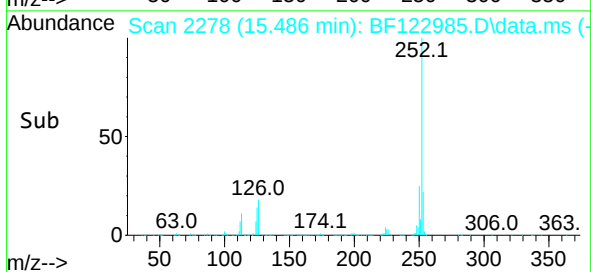
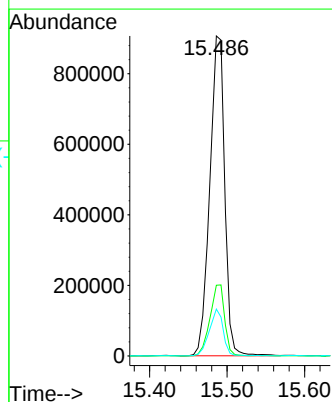
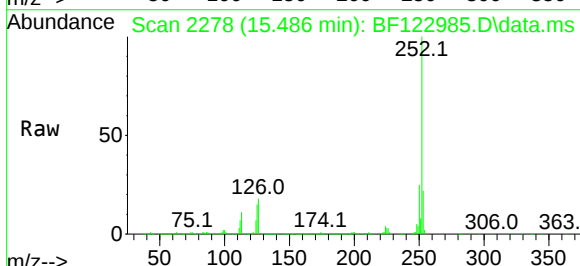
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

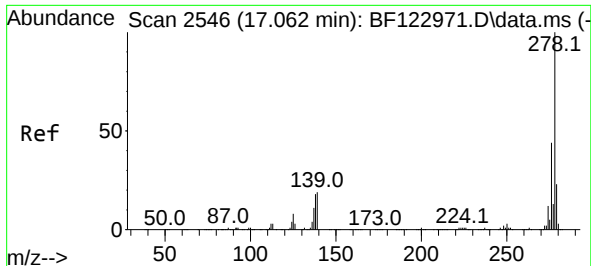
Tgt Ion:252 Resp: 1243130
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 11.7 8.4 12.6



#90
Benzo(a)pyrene
Concen: 45.53 ng
RT: 15.486 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:252 Resp: 1217085
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 14.6 8.6 12.8#

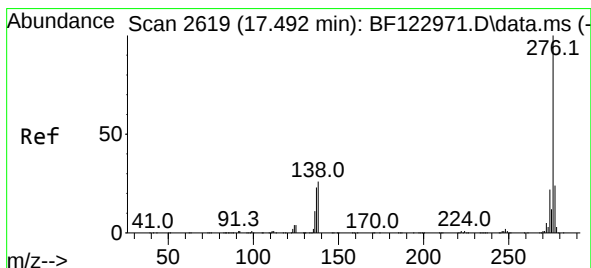
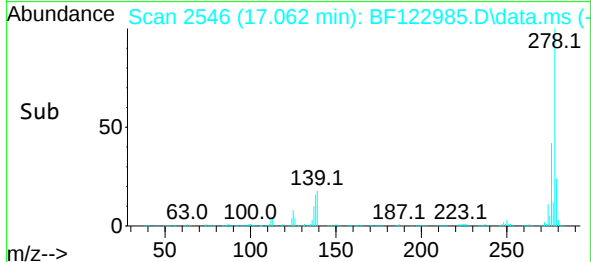
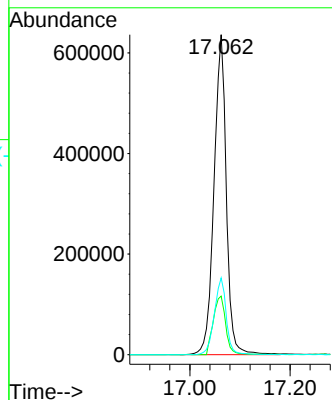
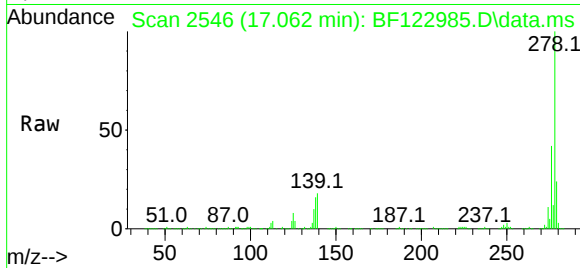




#91
Dibenzo(a,h)anthracene
Concen: 47.89 ng
RT: 17.062 min Scan# 2546
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

Tgt Ion:278 Resp: 1083904
Ion Ratio Lower Upper
278 100
139 18.3 12.0 18.0#
279 24.0 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 53.55 ng
RT: 17.492 min Scan# 2619
Delta R.T. 0.000 min
Lab File: BF122985.D
Acq: 18 Jan 2021 13:25

Tgt Ion:276 Resp: 1173188
Ion Ratio Lower Upper
276 100
277 23.9 19.3 28.9
138 25.9 16.6 24.8#

