

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
 Data File : BF122983.D
 Acq On : 18 Jan 2021 12:22
 Operator : JU/CG
 Sample : M1100-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-RBF-DARK

Quant Time: Jan 18 12:52:13 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 16 01:28:32 2021
 Response via : Initial Calibration

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

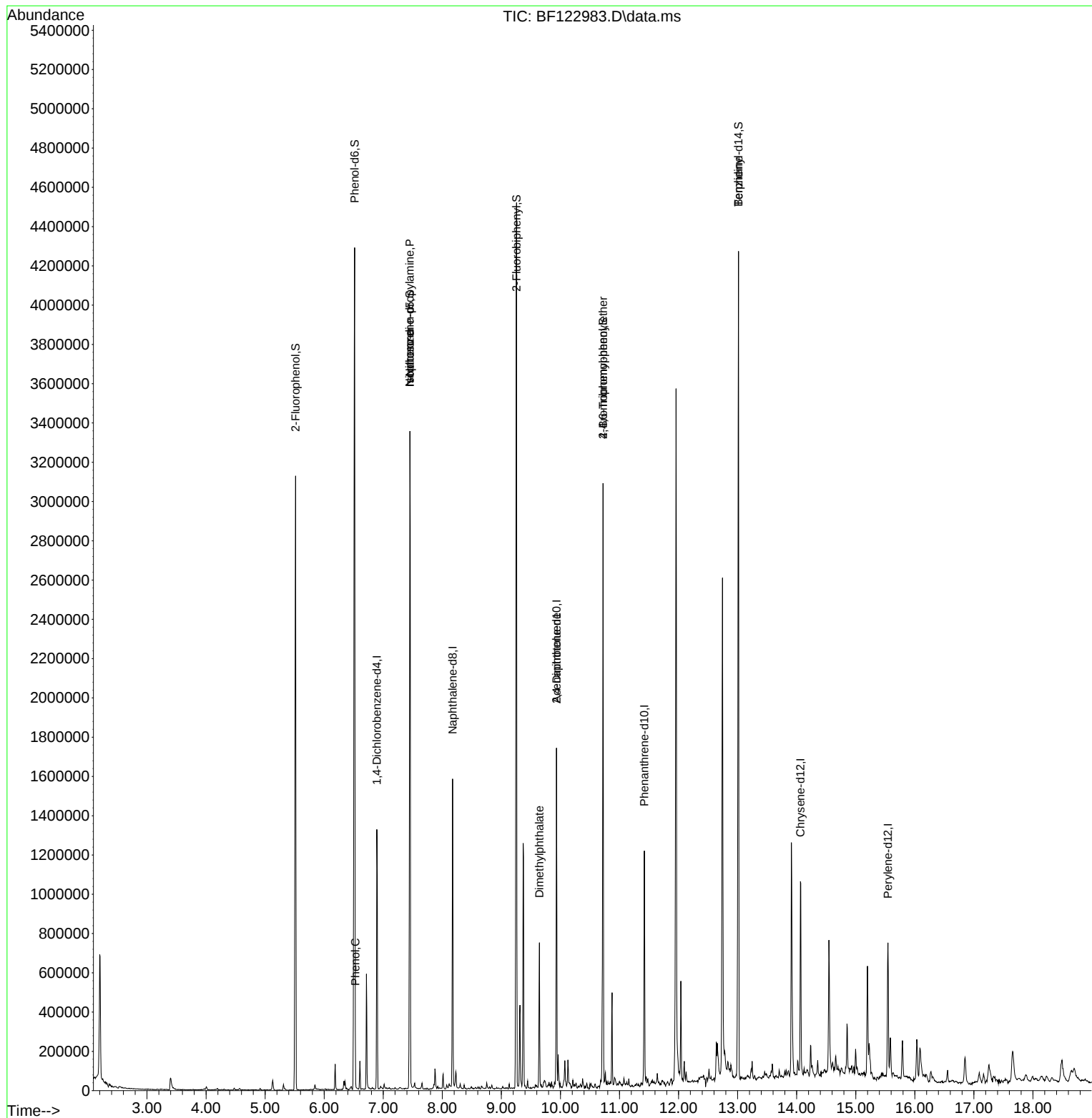
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	177446	20.00	ng	0.00
21) Naphthalene-d8	8.175	136	625144	20.00	ng	# 0.00
39) Acenaphthene-d10	9.933	164	296591	20.00	ng	0.00
64) Phenanthrene-d10	11.421	188	381794	20.00	ng	# 0.00
76) Chrysene-d12	14.062	240	306442	20.00	ng	#-0.01
86) Perylene-d12	15.545	264	282324	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	718812	61.23	ng	0.00
7) Phenol-d6	6.516	99	1505912	95.45	ng	0.00
23) Nitrobenzene-d5	7.451	82	1085797	89.38	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	251515	74.99	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1414334	66.77	ng	0.00
79) Terphenyl-d14	13.015	244	1289935	77.18	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.439	77	563	Below Cal	#	77
10) Phenol	6.528	94	63829	3.97	ng	91
19) n-Nitroso-di-n-propyla...	7.451	70	151444	16.20	ng	# 80
25) Isophorone	7.451	82	1085786	50.09	ng	# 65
50) Dimethylphthalate	9.645	163	243107	10.56	ng	99
57) 2,4-Dinitrotoluene	9.933	165	37320	5.76	ng	# 26
67) 4-Bromophenyl-phenylether	10.722	248	16584	3.55	ng	# 1
77) Benzidine	13.015	184	19215	2.37	ng	# 93

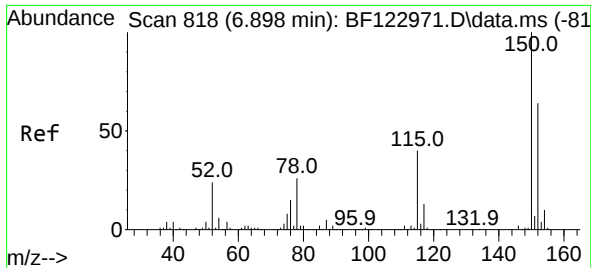
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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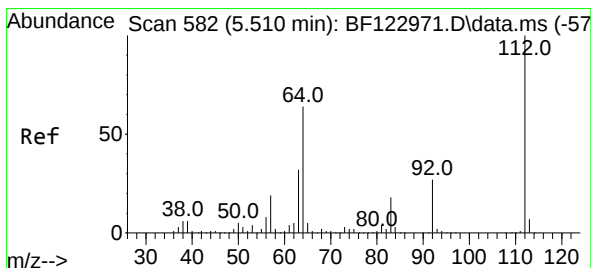
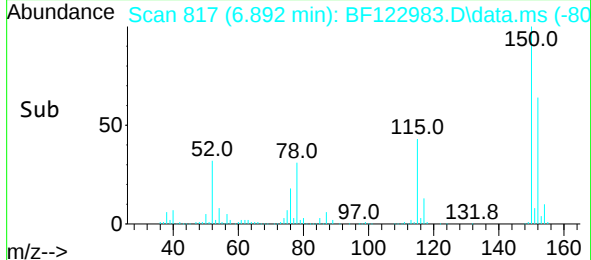
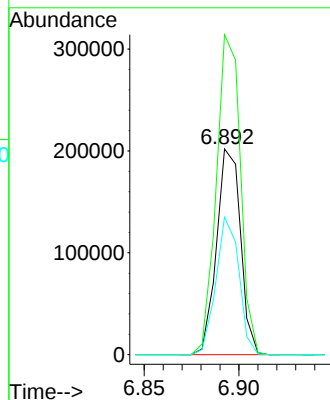
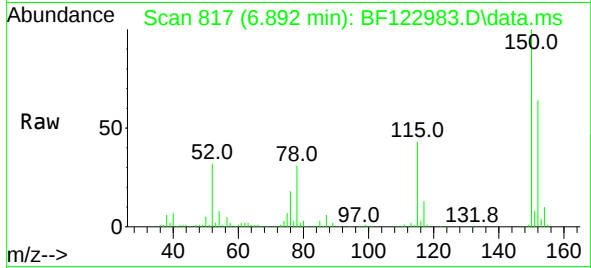




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF122983.D
Acq: 18 Jan 2021 12:22

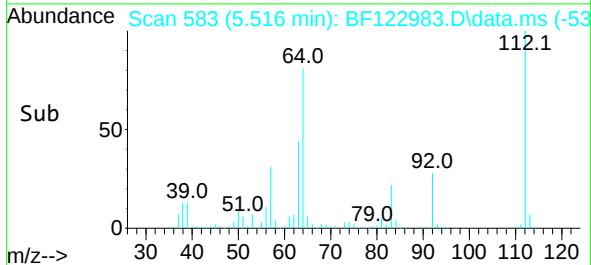
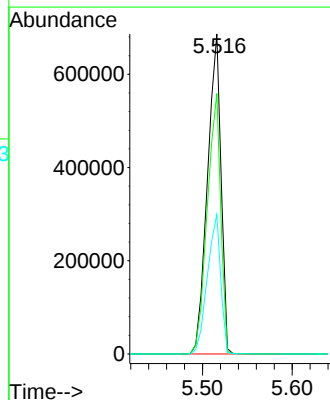
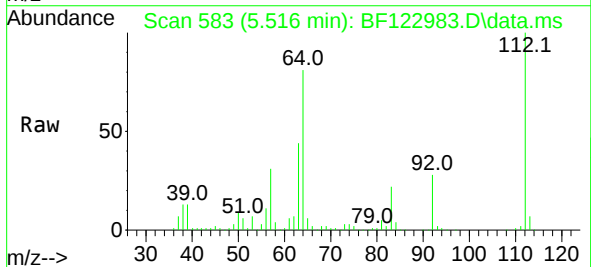
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BNA_F
ClientSampleId :
TOPSOIL-RBF-DARK

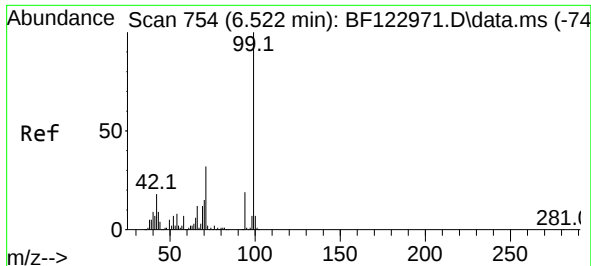
Tgt Ion:152 Resp: 177446
Ion Ratio Lower Upper
152 100
150 155.5 125.8 188.6
115 66.8 49.3 73.9



#5
2-Fluorophenol
Concen: 61.23 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.006 min
Lab File: BF122983.D
Acq: 18 Jan 2021 12:22

Tgt Ion:112 Resp: 718812
Ion Ratio Lower Upper
112 100
64 81.4 46.9 70.3#
63 43.6 24.5 36.7#

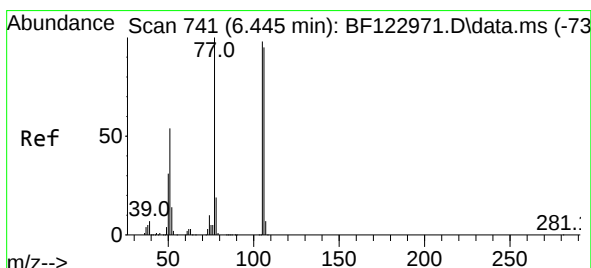
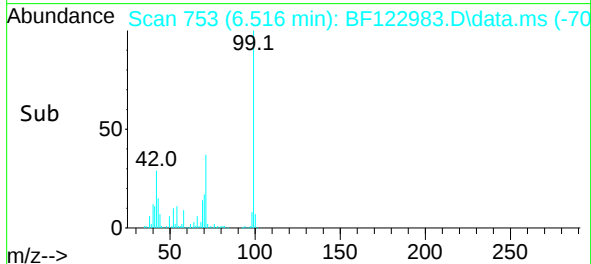
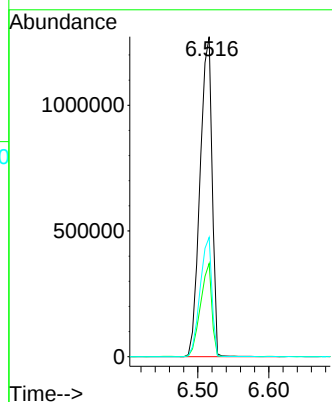
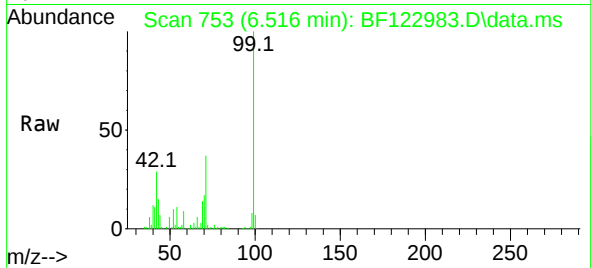




#7
Phenol-d6
Concen: 95.45 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF122983.D
Acq: 18 Jan 2021 12:22

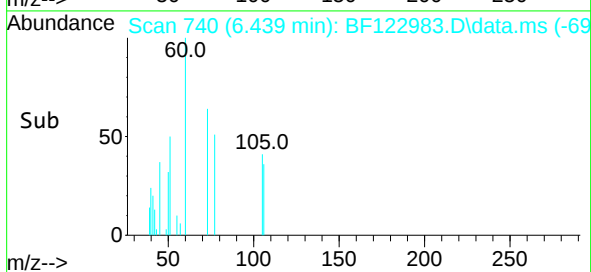
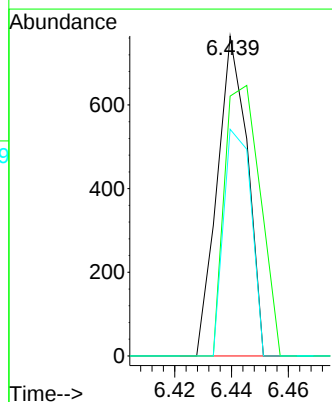
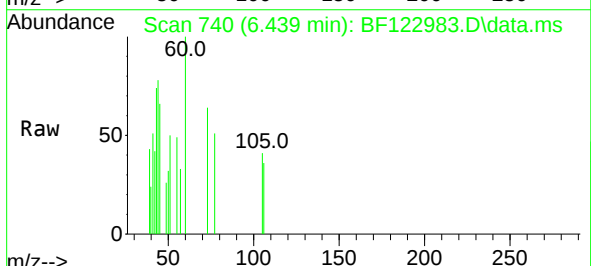
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ClientSampleId :
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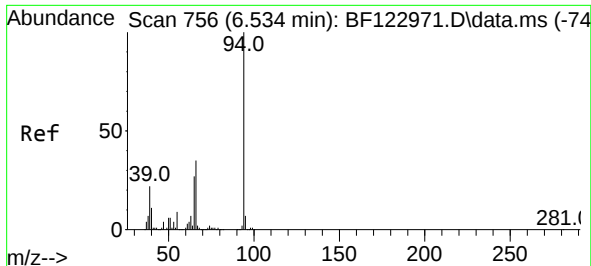
Tgt Ion: 99 Resp: 1505912
Ion Ratio Lower Upper
99 100
42 29.2 13.8 20.6#
71 37.3 26.9 40.3



#9
Benzaldehyde
Concen: Below Cal
RT: 6.439 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF122983.D
Acq: 18 Jan 2021 12:22

Tgt Ion: 77 Resp: 563
Ion Ratio Lower Upper
77 100
105 81.2 80.6 120.6
106 70.8 77.2 117.2#

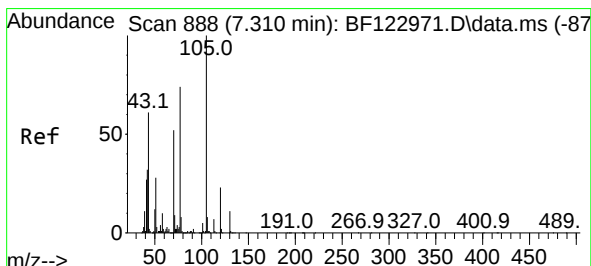
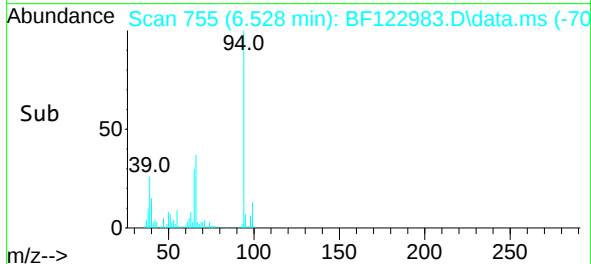
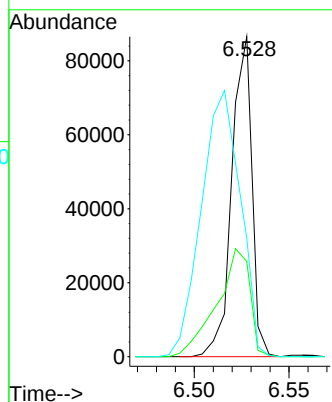
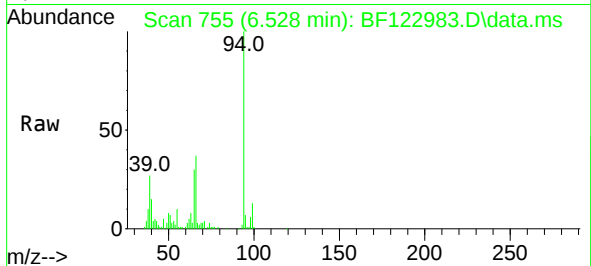




#10
Phenol
Concen: 3.97 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF122983.D
Acq: 18 Jan 2021 12:22

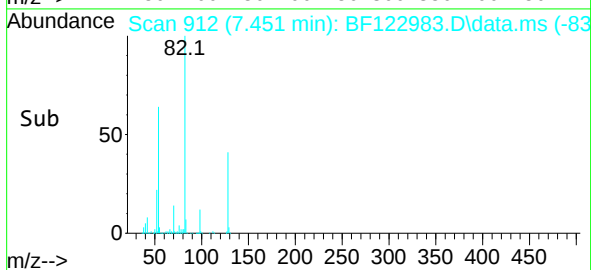
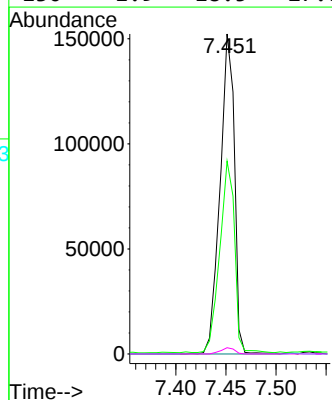
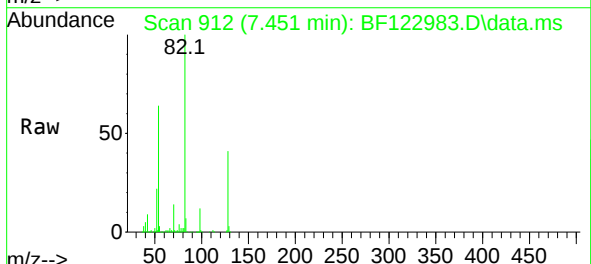
Instrument :
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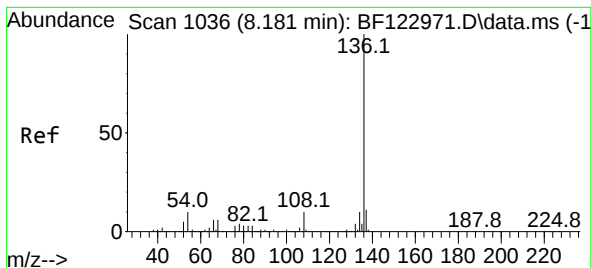
Tgt Ion: 94 Resp: 63829
Ion Ratio Lower Upper
94 100
65 29.7 11.2 51.2
66 37.0 25.8 65.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.20 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.141 min
Lab File: BF122983.D
Acq: 18 Jan 2021 12:22

Tgt Ion: 70 Resp: 151444
Ion Ratio Lower Upper
70 100
42 60.3 43.0 64.4
101 0.0 7.9 11.9#
130 1.9 18.5 27.7#

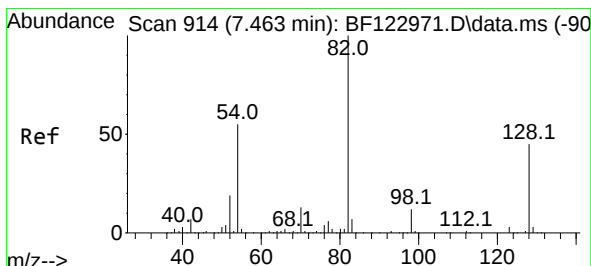
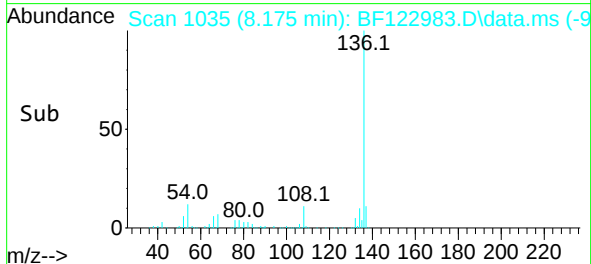
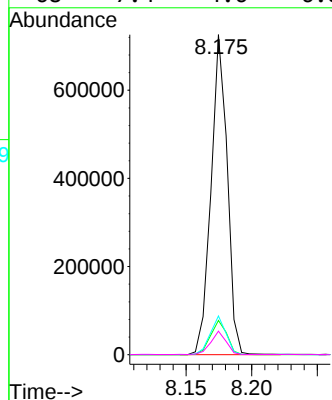
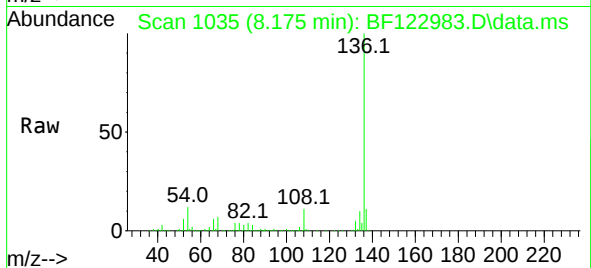




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF122983.D
Acq: 18 Jan 2021 12:22

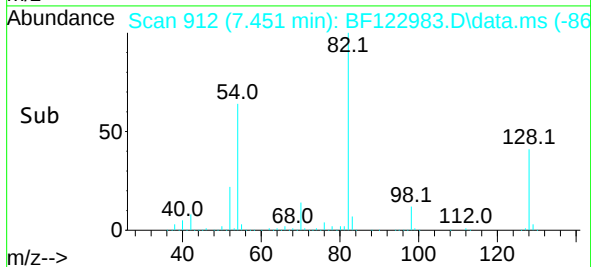
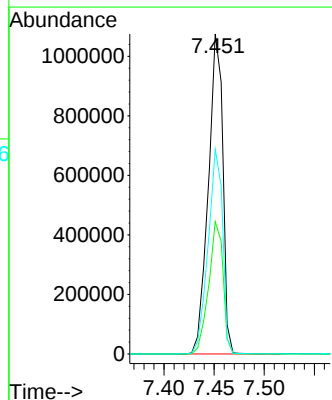
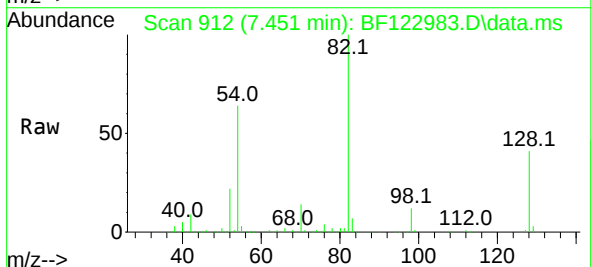
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ClientSampleId :
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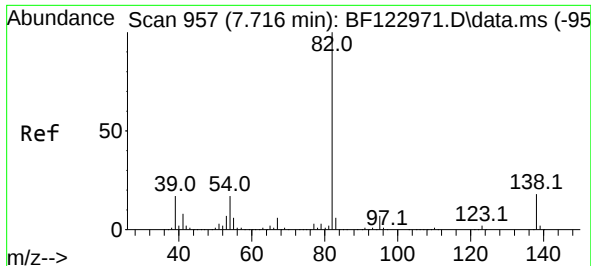
Tgt Ion:136	Resp: 625144
Ion Ratio	Lower Upper
136 100	
137 10.7	8.8 13.2
54 12.1	5.5 8.3#
68 7.4	4.6 6.8#



#23
Nitrobenzene-d5
Concen: 89.38 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF122983.D
Acq: 18 Jan 2021 12:22

Tgt Ion: 82	Resp: 1085797
Ion Ratio	Lower Upper
82 100	
128 41.3	37.0 55.4
54 63.9	38.4 57.6#

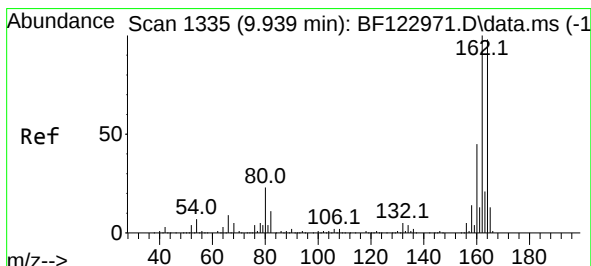
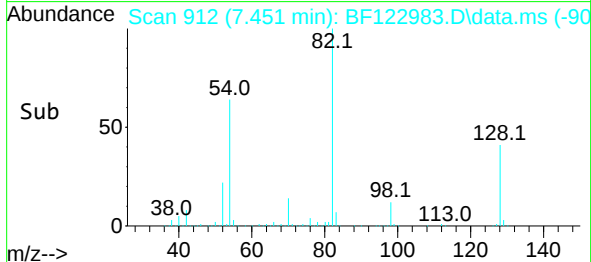
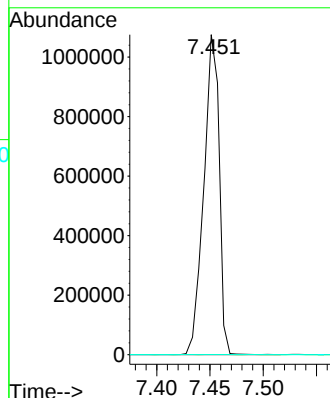
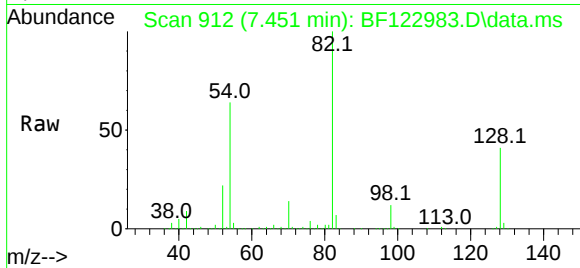




#25
Isophorone
Concen: 50.09 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.265 min
Lab File: BF122983.D
Acq: 18 Jan 2021 12:22

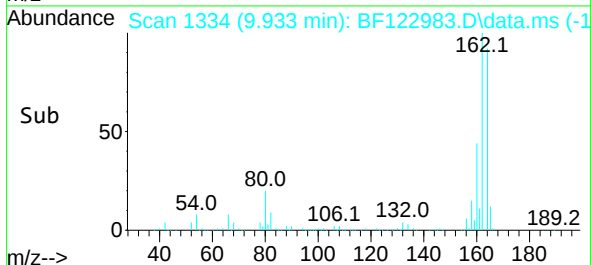
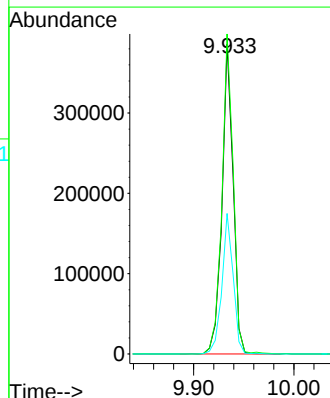
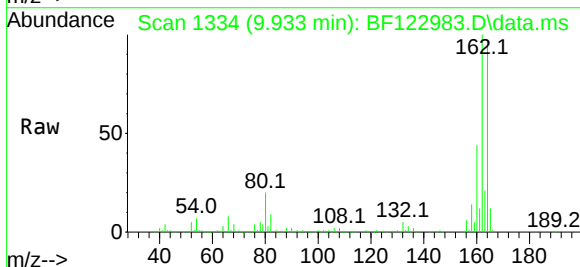
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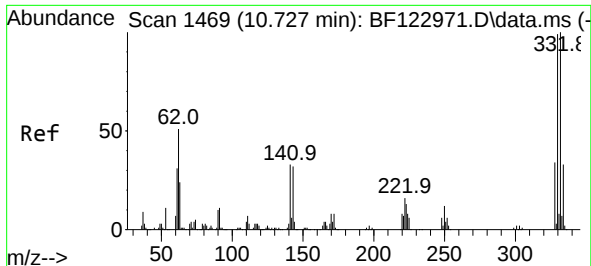
Tgt Ion: 82 Resp: 1085786
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF122983.D
Acq: 18 Jan 2021 12:22

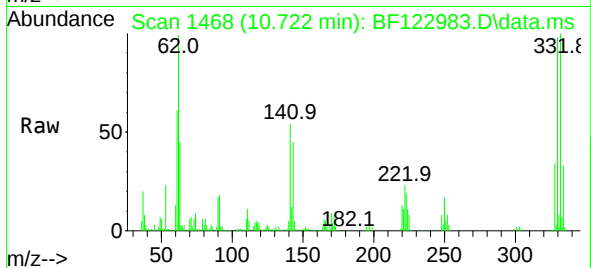
Tgt Ion:164 Resp: 296591
Ion Ratio Lower Upper
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162 103.3 80.8 121.2
160 45.4 35.4 53.0



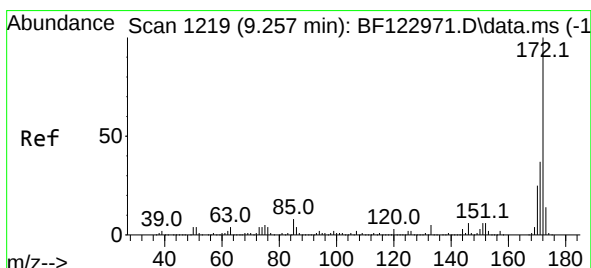
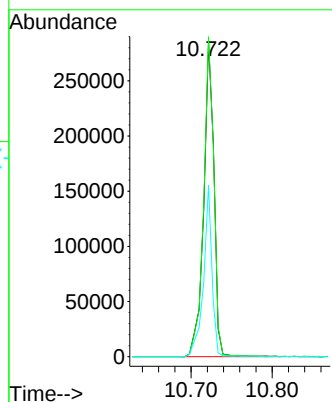
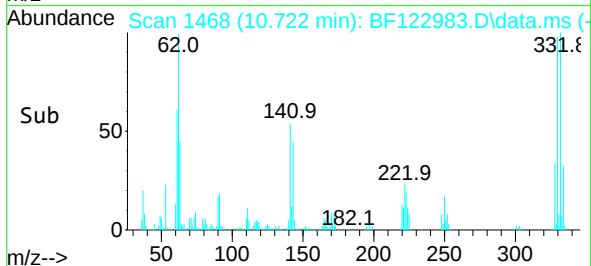


#42
2,4,6-Tribromophenol
Concen: 74.99 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.005 min
Lab File: BF122983.D
Acq: 18 Jan 2021 12:22

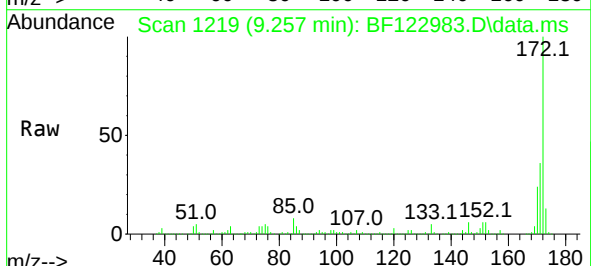
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ClientSampleId :
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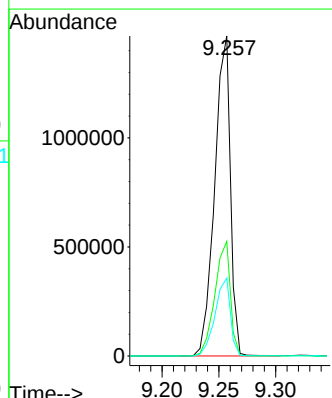
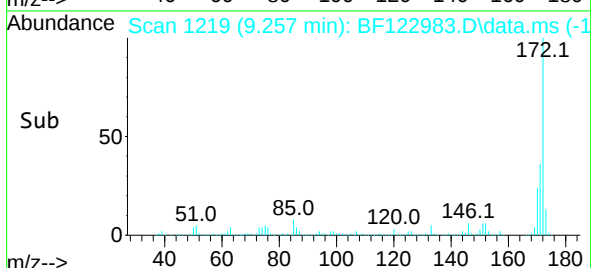
Tgt Ion: 330 Resp: 251515
Ion Ratio Lower Upper
330 100
332 100.8 77.5 116.3
141 45.0 23.8 35.8#

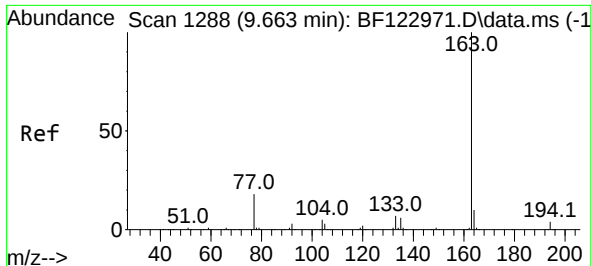


#45
2-Fluorobiphenyl
Concen: 66.77 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF122983.D
Acq: 18 Jan 2021 12:22



Tgt Ion: 172 Resp: 1414334
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 24.4 19.5 29.3

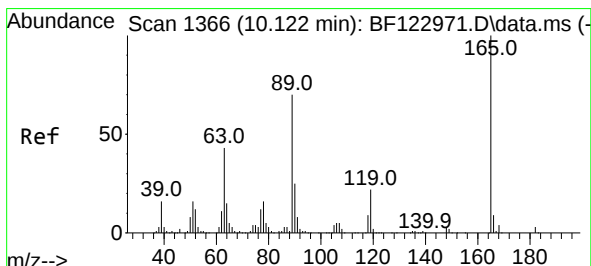
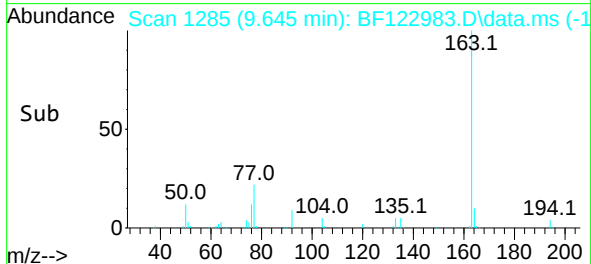
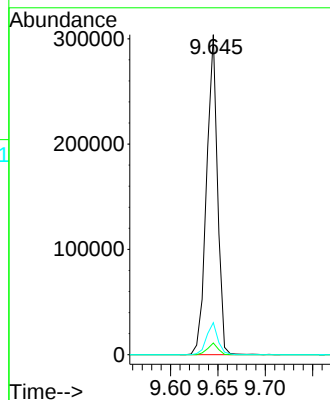
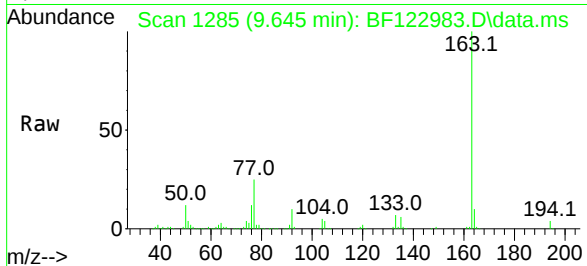




#50
Dimethylphthalate
Concen: 10.56 ng
RT: 9.645 min Scan# 1285
Delta R.T. -0.018 min
Lab File: BF122983.D
Acq: 18 Jan 2021 12:22

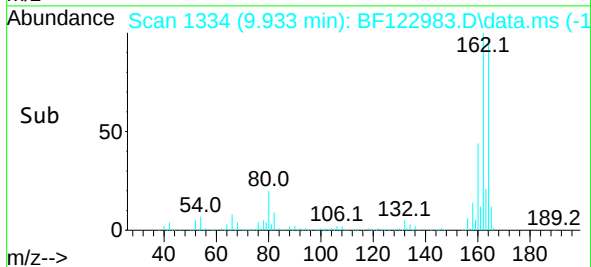
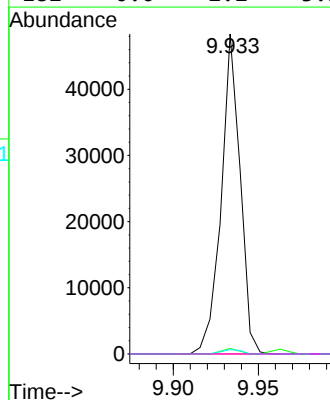
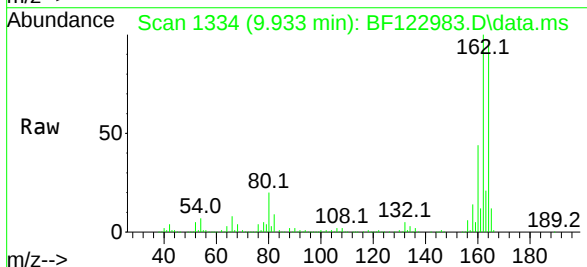
Instrument :
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ClientSampleId :
TOPSOIL-RBF-DARK

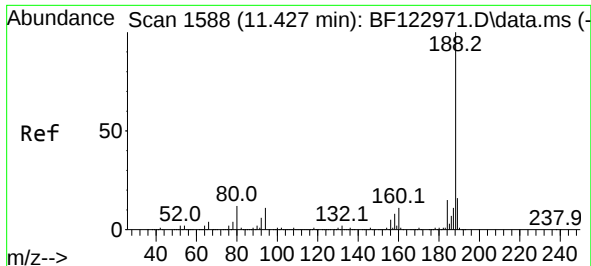
Tgt Ion:163 Resp: 243107
Ion Ratio Lower Upper
163 100
194 3.7 3.4 5.0
164 10.0 8.1 12.1



#57
2,4-Dinitrotoluene
Concen: 5.76 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.188 min
Lab File: BF122983.D
Acq: 18 Jan 2021 12:22

Tgt Ion:165 Resp: 37320
Ion Ratio Lower Upper
165 100
63 1.7 34.3 51.5#
89 1.4 55.2 82.8#
182 0.0 2.2 3.2#

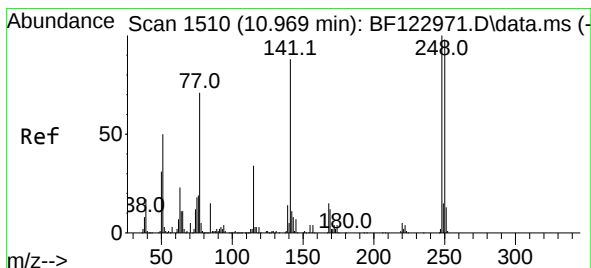
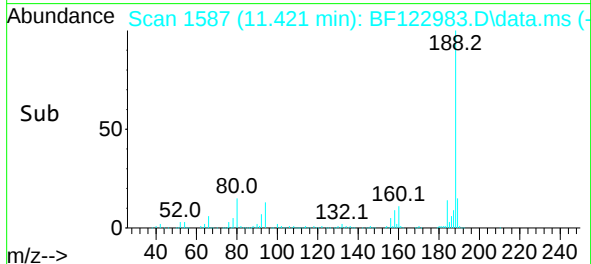
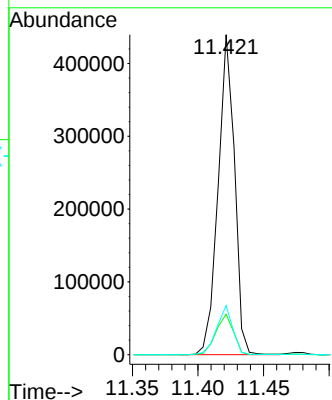
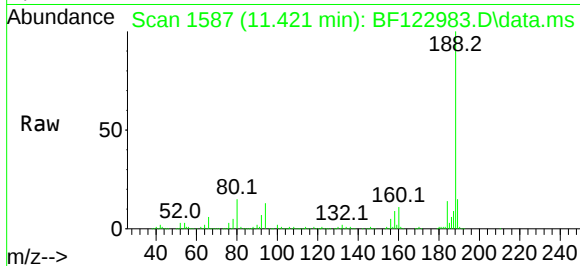




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF122983.D
Acq: 18 Jan 2021 12:22

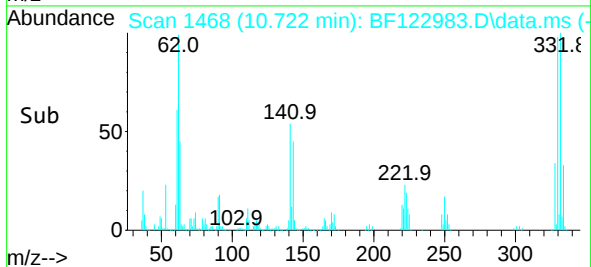
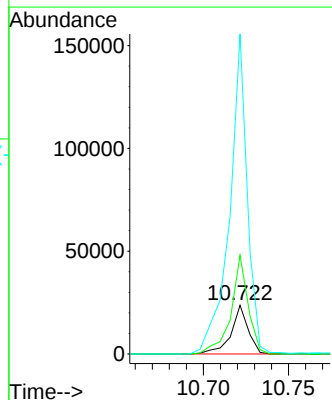
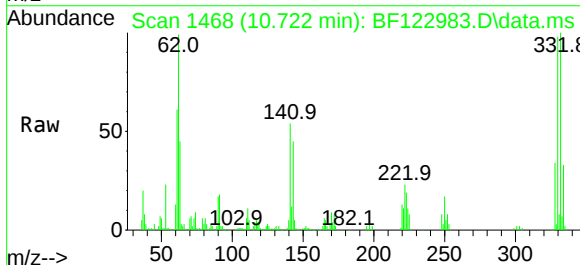
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARK

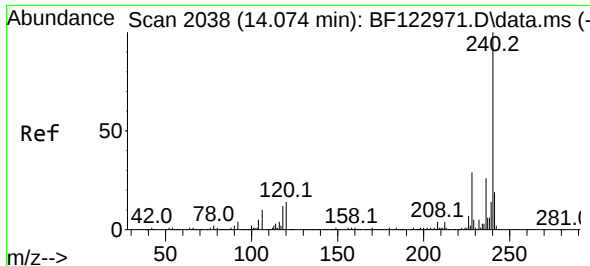
Tgt Ion:188 Resp: 381794
Ion Ratio Lower Upper
188 100
94 12.6 7.4 11.2#
80 15.4 8.2 12.4#



#67
4-Bromophenyl-phenylether
Concen: 3.55 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.247 min
Lab File: BF122983.D
Acq: 18 Jan 2021 12:22

Tgt Ion:248 Resp: 16584
Ion Ratio Lower Upper
248 100
250 202.5 76.8 115.2#
141 657.7 59.8 89.8#

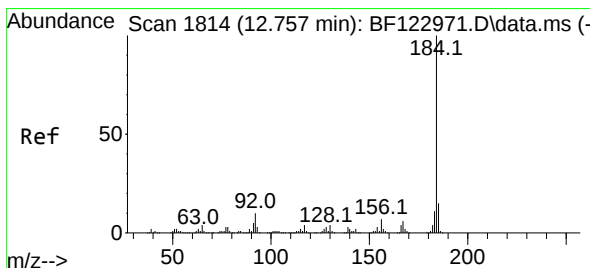
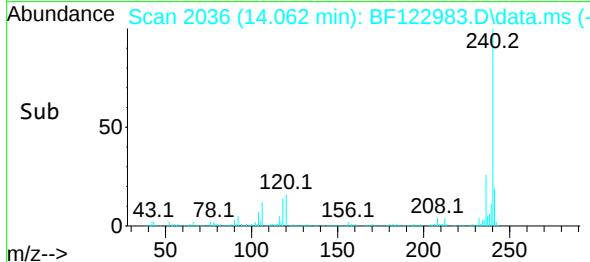
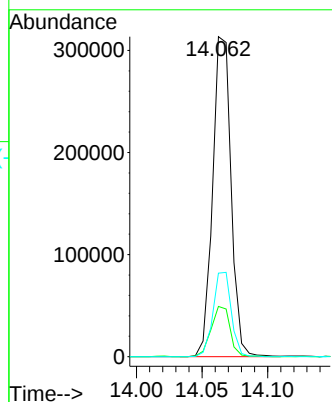
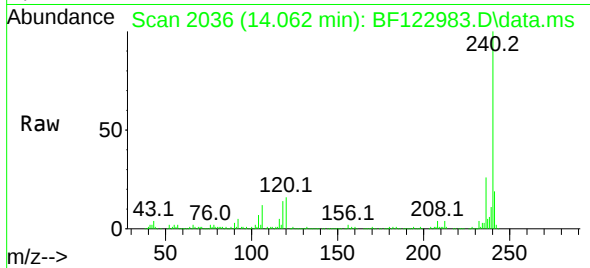




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF122983.D
Acq: 18 Jan 2021 12:22

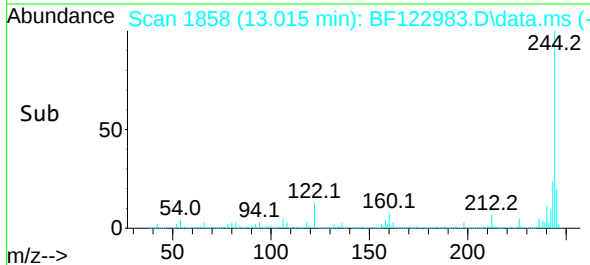
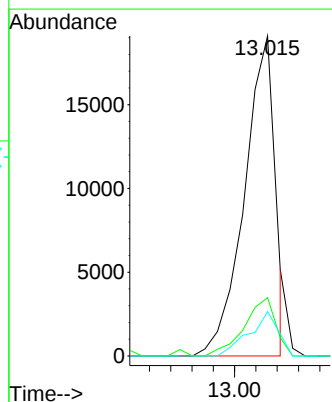
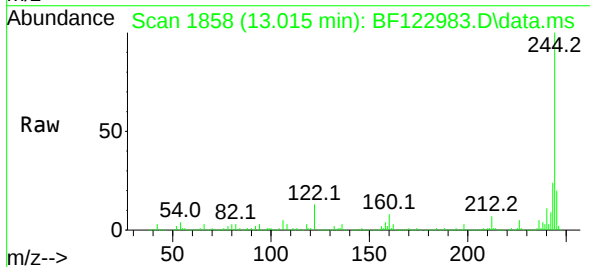
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARK

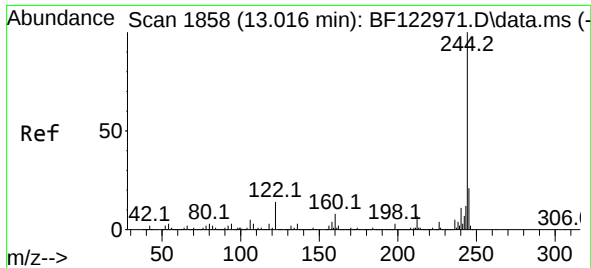
Tgt Ion:240 Resp: 306442
Ion Ratio Lower Upper
240 100
120 15.7 8.6 12.8#
236 26.1 20.3 30.5



#77
Benzidine
Concen: 2.37 ng
RT: 13.015 min Scan# 1858
Delta R.T. 0.259 min
Lab File: BF122983.D
Acq: 18 Jan 2021 12:22

Tgt Ion:184 Resp: 19215
Ion Ratio Lower Upper
184 100
185 18.2 11.8 17.6#
183 13.8 9.7 14.5

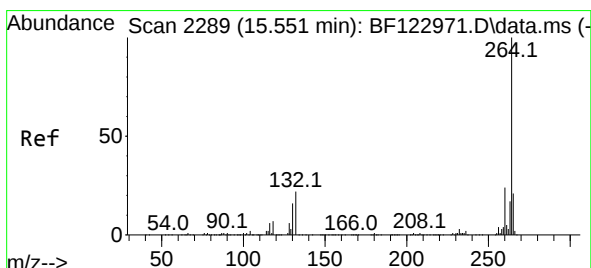
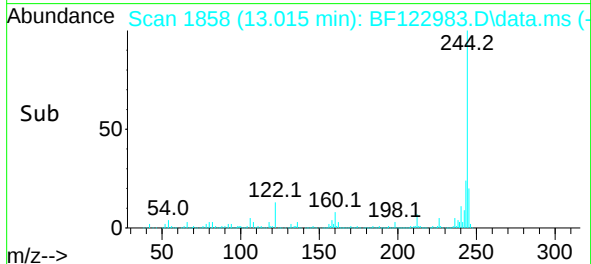
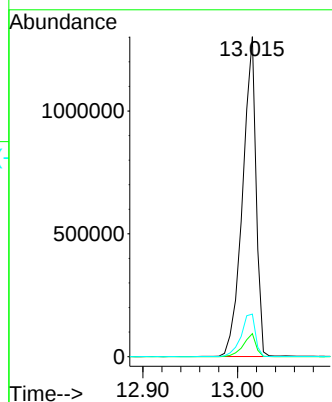
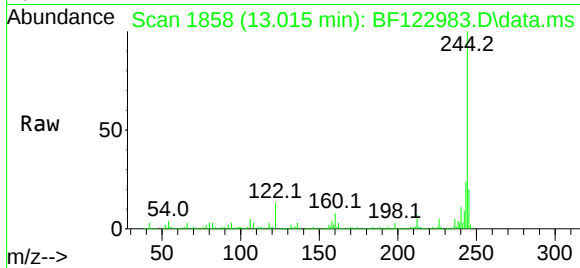




#79
Terphenyl-d14
Concen: 77.18 ng
RT: 13.015 min Scan# 1858
Delta R.T. -0.001 min
Lab File: BF122983.D
Acq: 18 Jan 2021 12:22

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARK

Tgt Ion:244 Resp: 1289935
Ion Ratio Lower Upper
244 100
212 7.2 5.7 8.5
122 13.3 8.3 12.5#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.545 min Scan# 2288
Delta R.T. -0.006 min
Lab File: BF122983.D
Acq: 18 Jan 2021 12:22

Tgt Ion:264 Resp: 282324
Ion Ratio Lower Upper
264 100
260 24.5 18.6 28.0
265 21.7 17.0 25.6

