

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030221\
 Data File : BF123341.D
 Acq On : 2 Mar 2021 17:49
 Operator : JU/CG
 Sample : M1532-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-SAMPLE-S-1

Quant Time: Mar 02 23:51:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 19 16:08:53 2021
 Response via : Initial Calibration

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

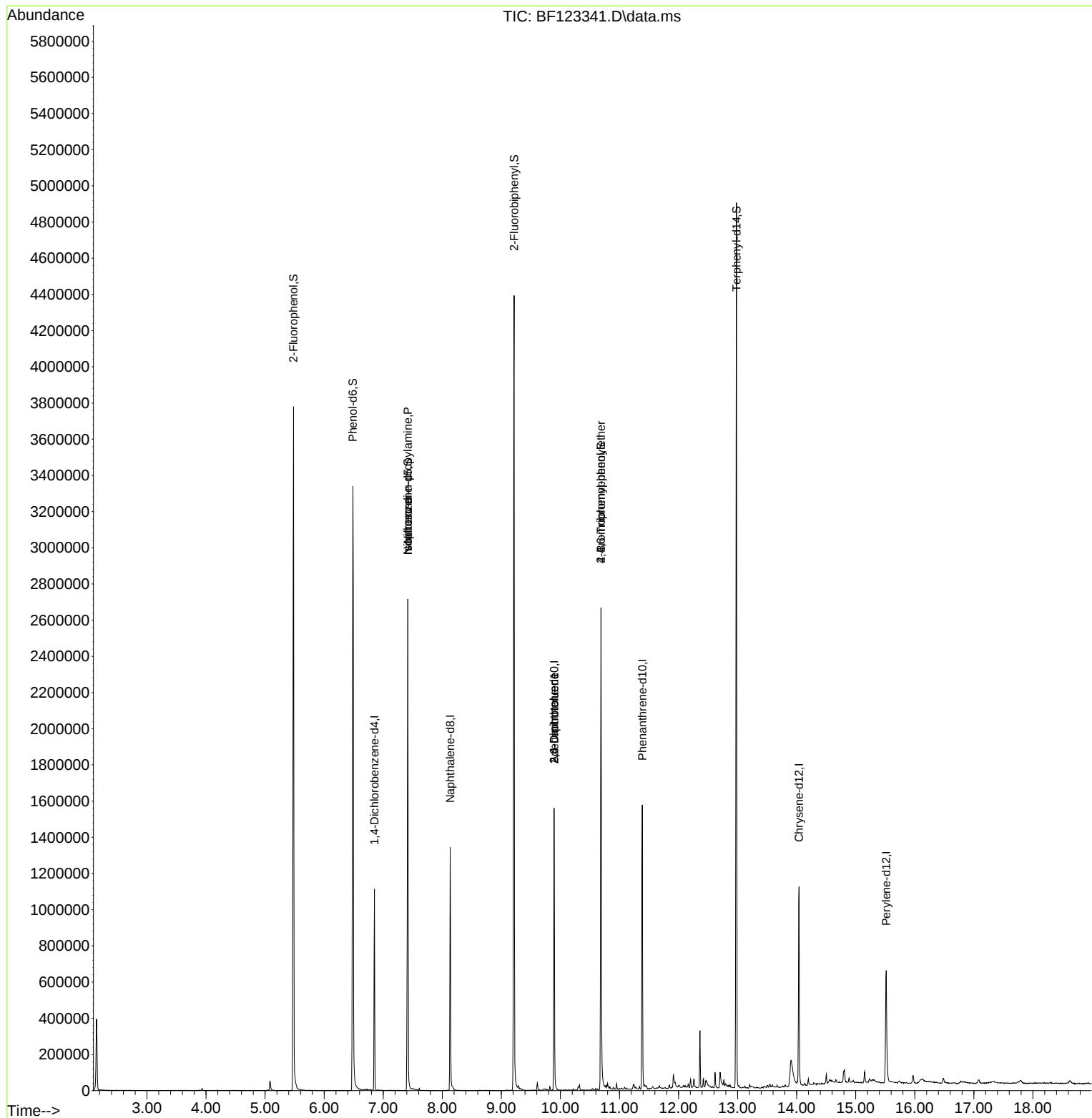
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	136997	20.00	ng	0.00
21) Naphthalene-d8	8.134	136	570575	20.00	ng	#-0.01
39) Acenaphthene-d10	9.892	164	293207	20.00	ng	-0.01
64) Phenanthrene-d10	11.386	188	550711	20.00	ng	0.00
76) Chrysene-d12	14.039	240	382683	20.00	ng	0.00
86) Perylene-d12	15.516	264	305961	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	989088	103.92	ng	0.00
7) Phenol-d6	6.487	99	1299098	100.47	ng	0.00
23) Nitrobenzene-d5	7.416	82	864950	69.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	283273	94.88	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	1379576	67.59	ng	0.00
79) Terphenyl-d14	12.980	244	1425300	71.62	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.493	77	2110	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.416	70	118906	15.46	ng	# 79
25) Isophorone	7.416	82	864934	37.11	ng	# 65
51) 2,6-Dinitrotoluene	9.892	165	37067	7.34	ng	# 32
57) 2,4-Dinitrotoluene	9.892	165	37068	5.45	ng	# 26
67) 4-Bromophenyl-phenylether	10.686	248	20786	3.46	ng	# 1

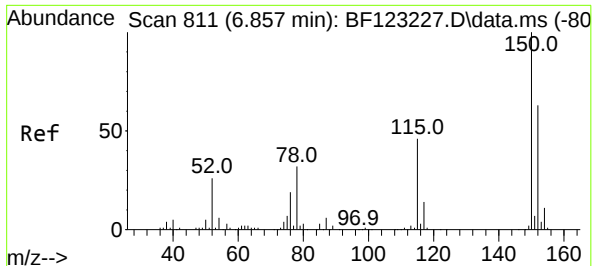
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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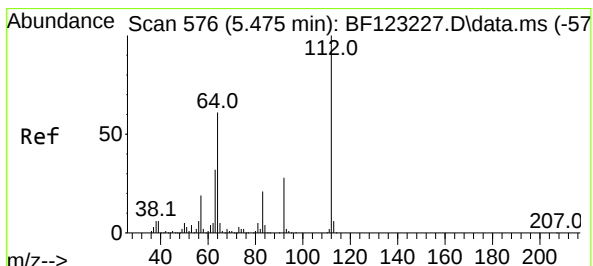
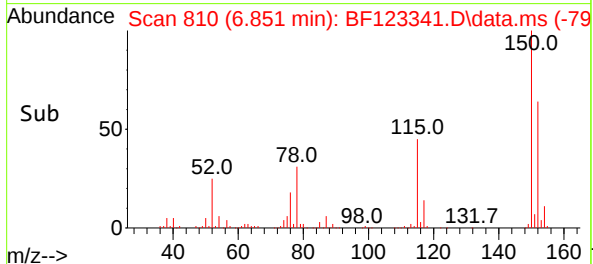
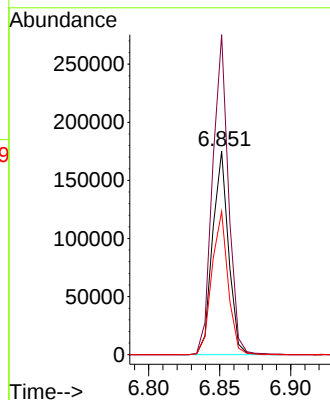
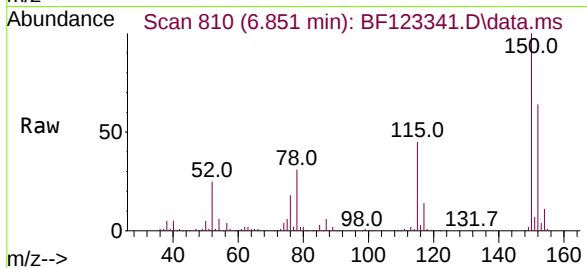




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF123341.D
Acq: 2 Mar 2021 17:49

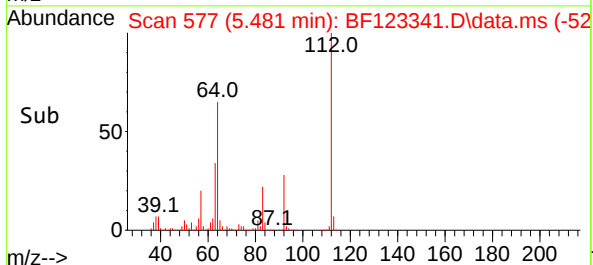
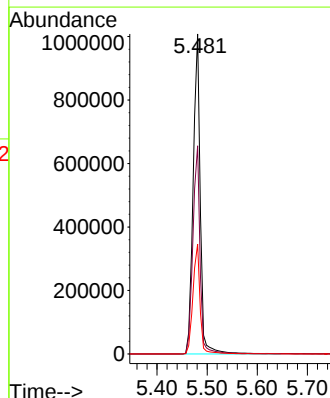
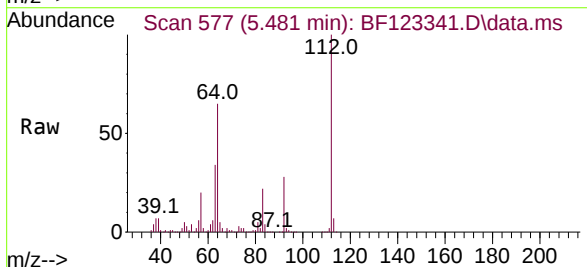
Instrument :
BNA_F
ClientSampleId :
SOIL-SAMPLE-S-1

Tgt Ion:152 Resp: 136997
Ion Ratio Lower Upper
152 100
150 157.2 125.8 188.6
115 70.4 49.3 73.9



#5
2-Fluorophenol
Concen: 103.92 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.006 min
Lab File: BF123341.D
Acq: 2 Mar 2021 17:49

Tgt Ion:112 Resp: 989088
Ion Ratio Lower Upper
112 100
64 65.1 46.9 70.3
63 34.4 24.5 36.7



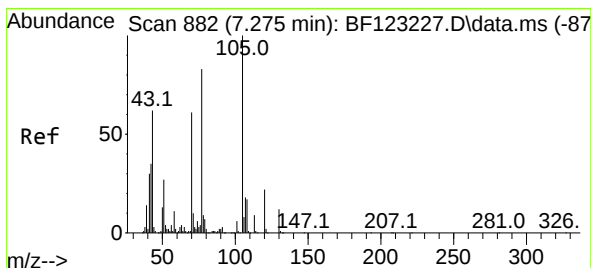
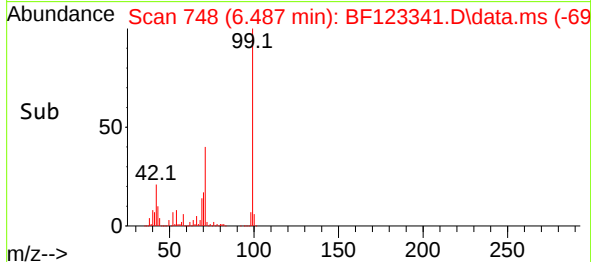
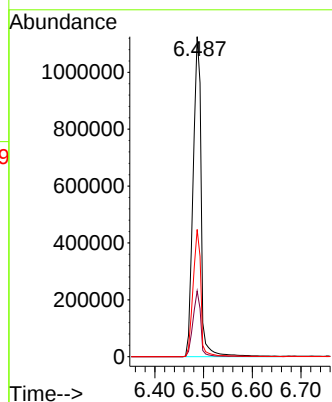
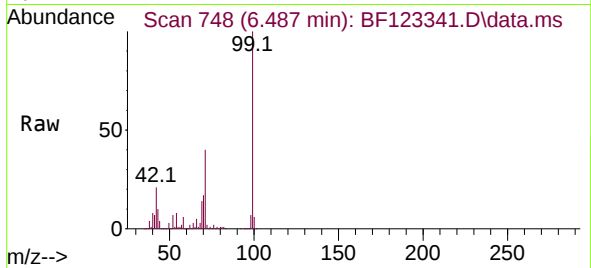


#7
Phenol-d6
Concen: 100.47 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF123341.D
Acq: 2 Mar 2021 17:49

Instrument :
BNA_F
ClientSampleId :
SOIL-SAMPLE-S-1

Tgt Ion: 99 Resp: 1299098

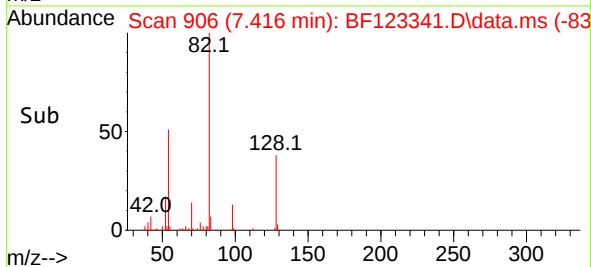
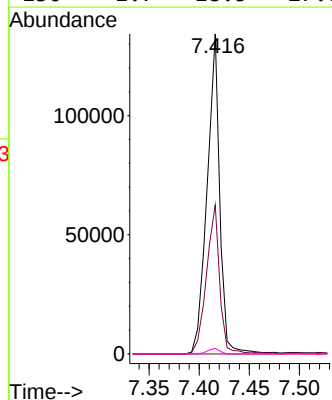
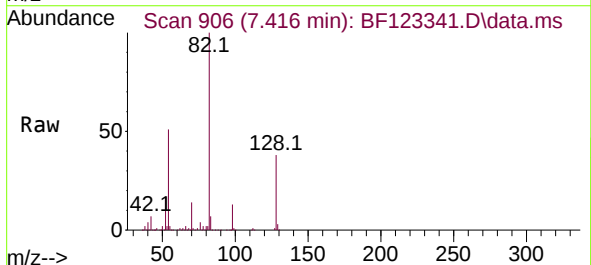
Ion	Ratio	Lower	Upper
99	100		
42	20.5	13.8	20.6
71	39.7	26.9	40.3

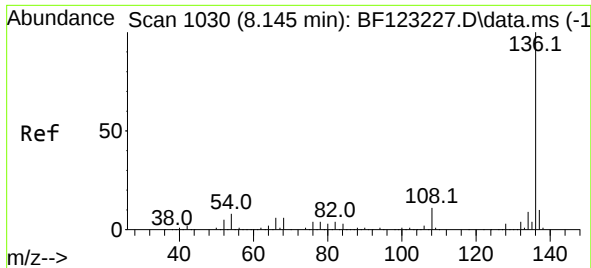


#19
n-Nitroso-di-n-propylamine
Concen: 15.46 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF123341.D
Acq: 2 Mar 2021 17:49

Tgt Ion: 70 Resp: 118906

Ion	Ratio	Lower	Upper
70	100		
42	46.6	43.0	64.4
101	0.0	7.9	11.9#
130	1.7	18.5	27.7#

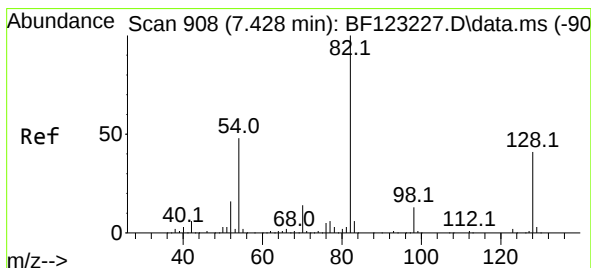
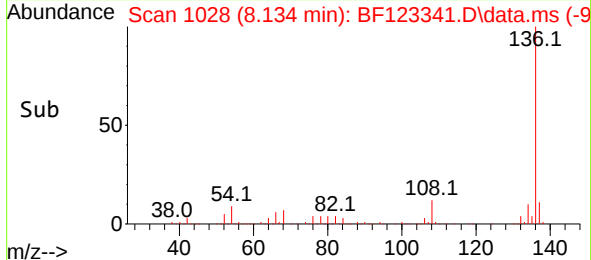
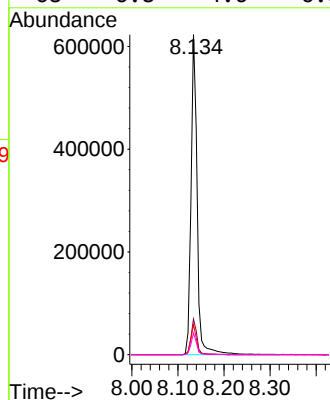
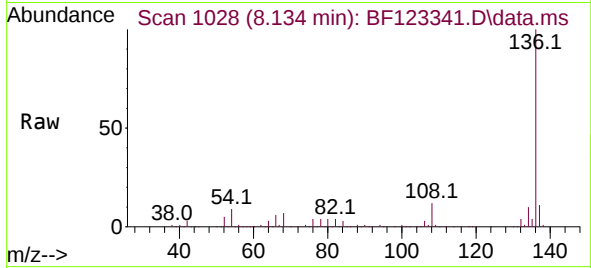




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.012 min
Lab File: BF123341.D
Acq: 2 Mar 2021 17:49

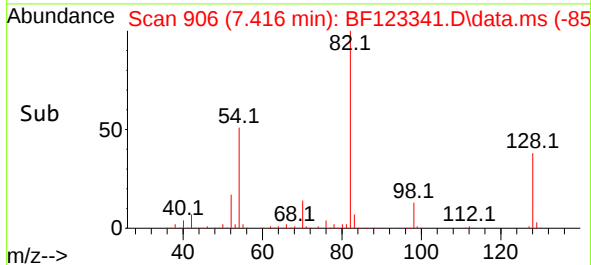
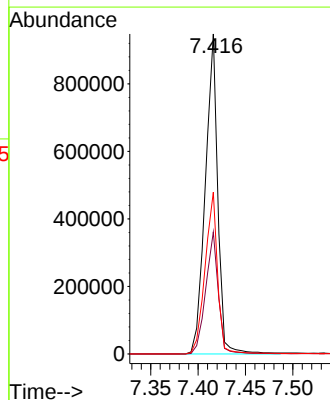
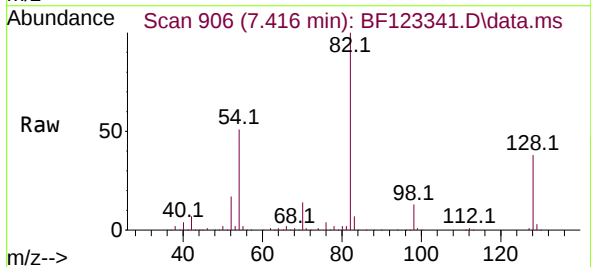
Instrument :
BNA_F
ClientSampleId :
SOIL-SAMPLE-S-1

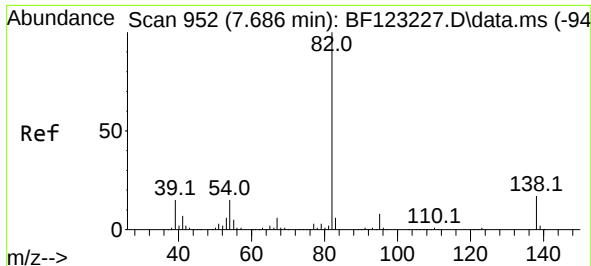
Tgt Ion:	136	Resp:	570575
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	9.4	5.5	8.3#
68	6.8	4.6	6.8



#23
Nitrobenzene-d5
Concen: 69.39 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF123341.D
Acq: 2 Mar 2021 17:49

Tgt Ion:	82	Resp:	864950
Ion Ratio	Lower	Upper	
82	100		
128	38.1	37.0	55.4
54	50.5	38.4	57.6

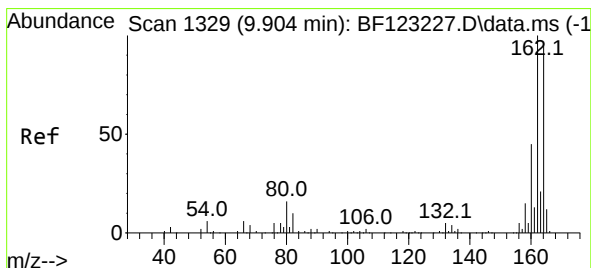
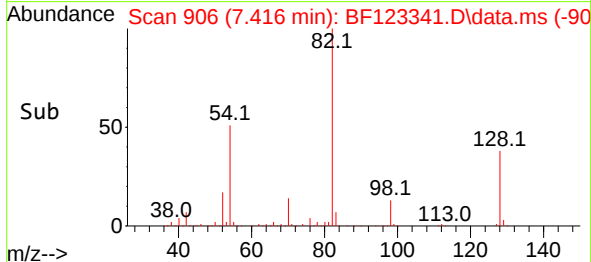
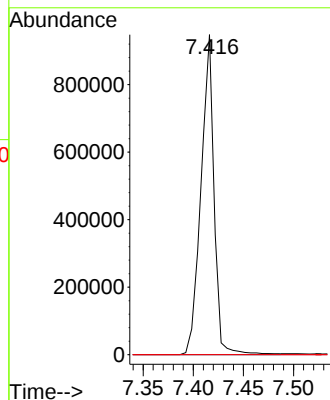
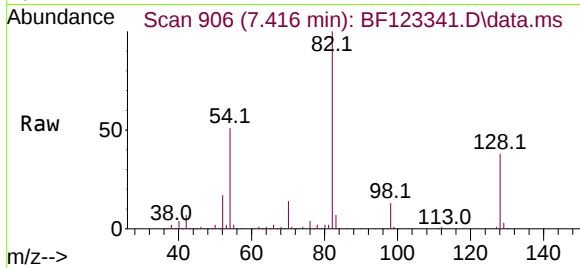




#25
Isophorone
Concen: 37.11 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.270 min
Lab File: BF123341.D
Acq: 2 Mar 2021 17:49

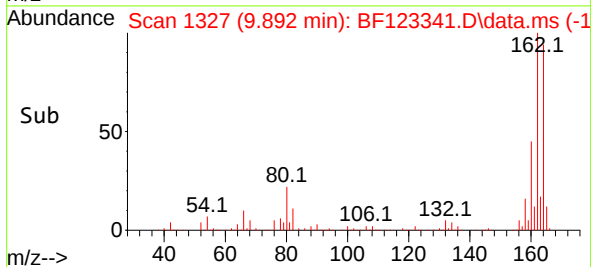
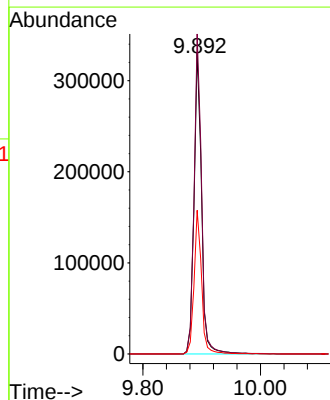
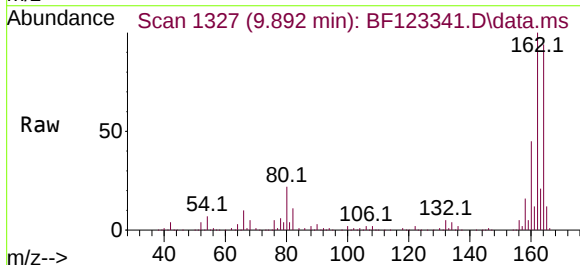
Instrument :
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ClientSampleId :
SOIL-SAMPLE-S-1

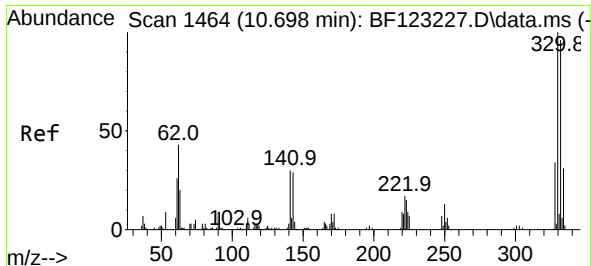
Tgt Ion: 82 Resp: 864934
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF123341.D
Acq: 2 Mar 2021 17:49

Tgt Ion: 164 Resp: 293207
Ion Ratio Lower Upper
164 100
162 106.1 80.8 121.2
160 47.6 35.4 53.0

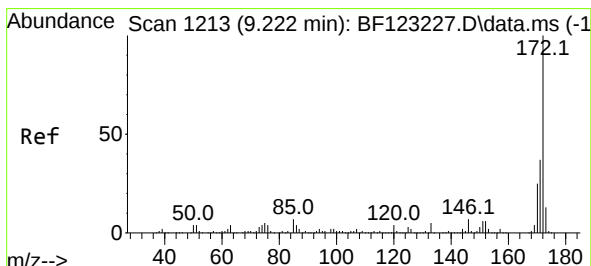
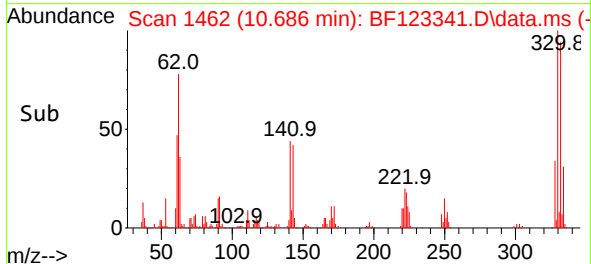
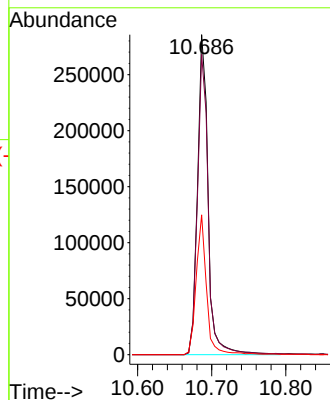
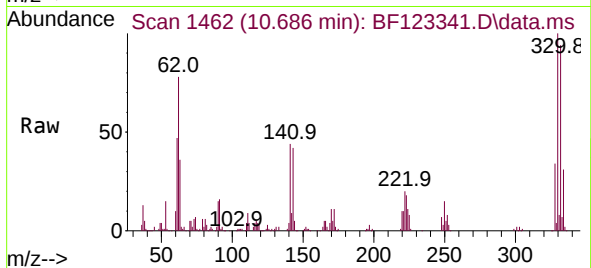




#42
2,4,6-Tribromophenol
Concen: 94.88 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF123341.D
Acq: 2 Mar 2021 17:49

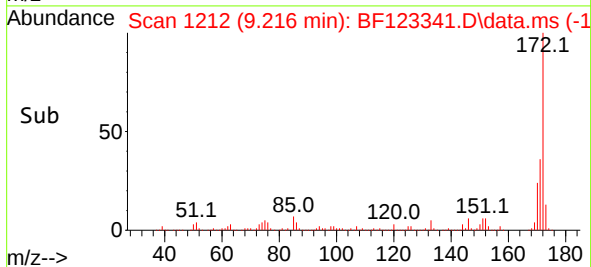
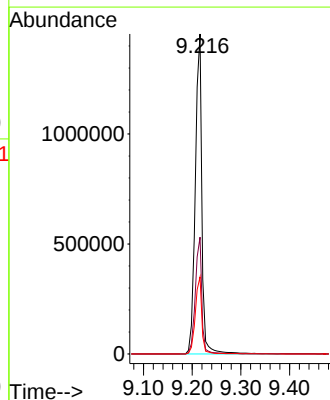
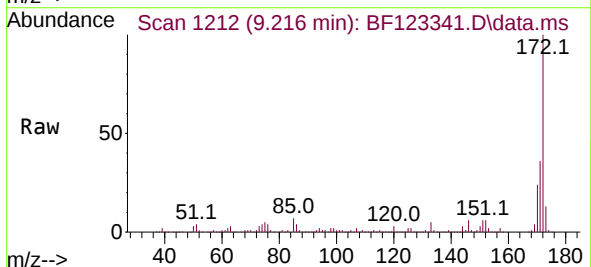
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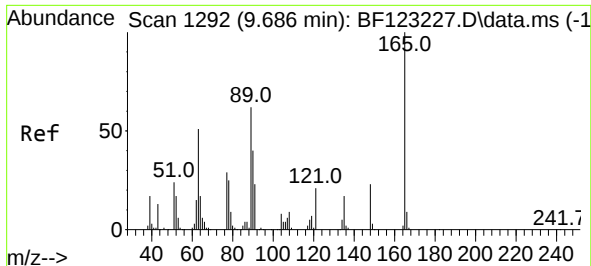
Tgt Ion:330 Resp: 283273
Ion Ratio Lower Upper
330 100
332 95.9 77.5 116.3
141 42.7 23.8 35.8#



#45
2-Fluorobiphenyl
Concen: 67.59 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF123341.D
Acq: 2 Mar 2021 17:49

Tgt Ion:172 Resp: 1379576
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 24.0 19.5 29.3

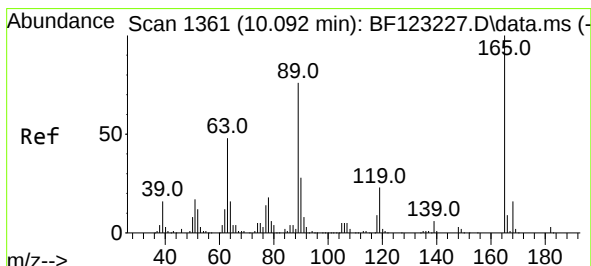
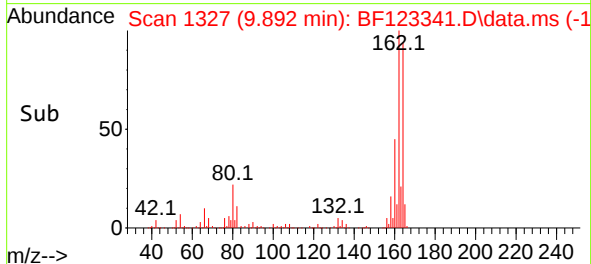
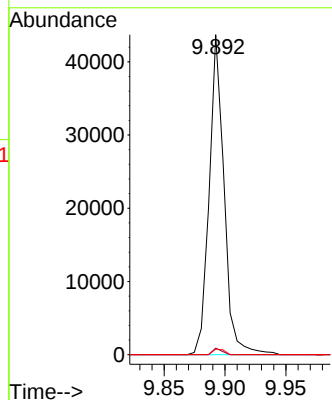
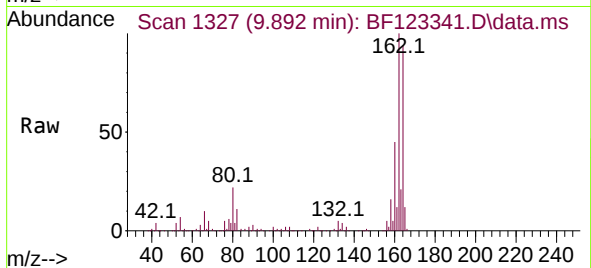




#51
2,6-Dinitrotoluene
Concen: 7.34 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.206 min
Lab File: BF123341.D
Acq: 2 Mar 2021 17:49

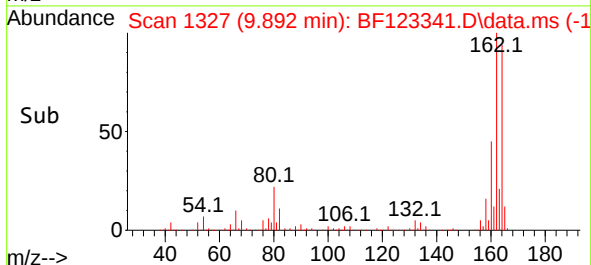
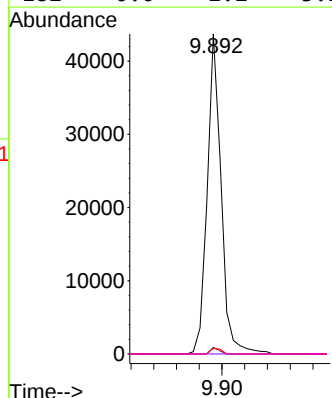
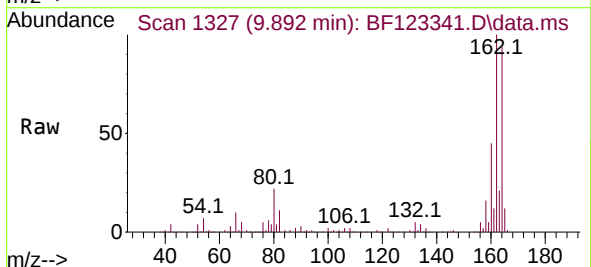
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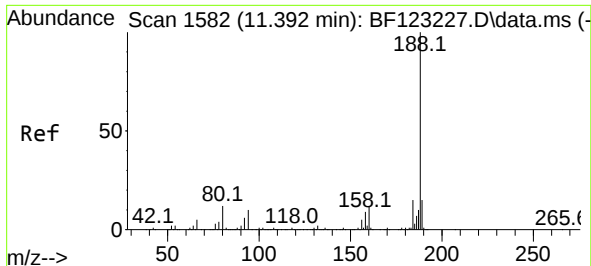
Tgt Ion:165 Resp: 37067
Ion Ratio Lower Upper
165 100
63 2.0 36.6 55.0#
89 1.8 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 5.45 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.200 min
Lab File: BF123341.D
Acq: 2 Mar 2021 17:49

Tgt Ion:165 Resp: 37068
Ion Ratio Lower Upper
165 100
63 2.0 34.3 51.5#
89 1.8 55.2 82.8#
182 0.0 2.2 3.2#

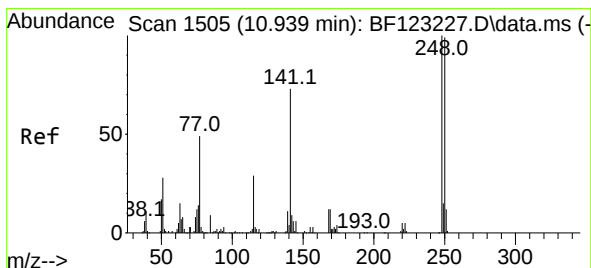
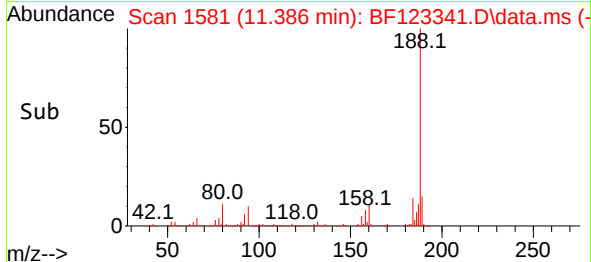
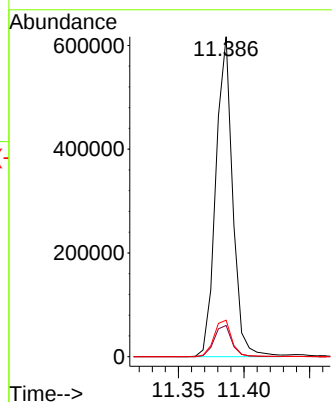
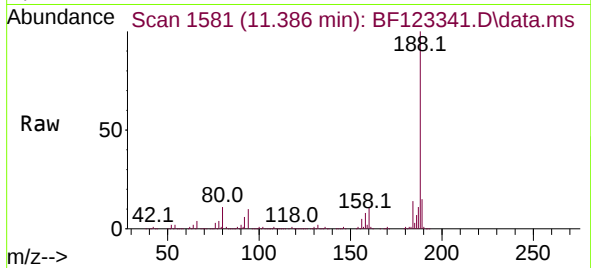




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF123341.D
Acq: 2 Mar 2021 17:49

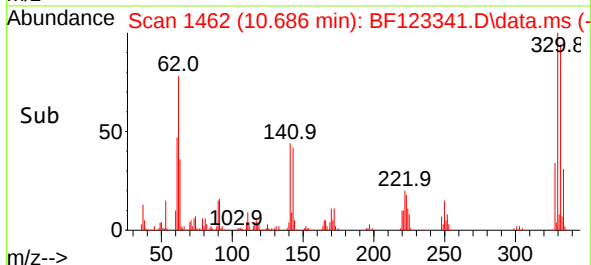
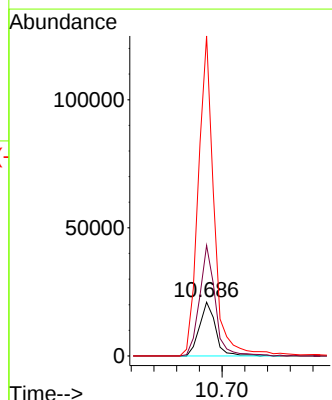
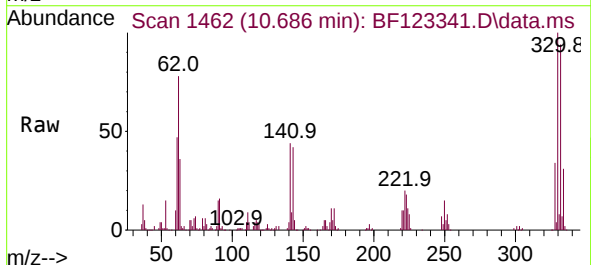
Instrument :
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SOIL-SAMPLE-S-1

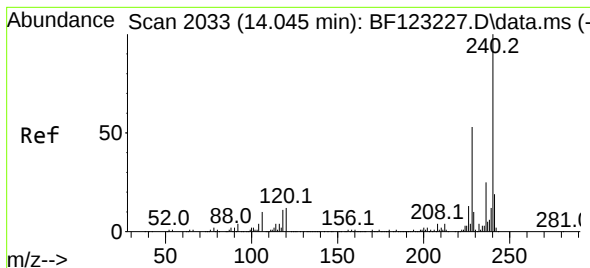
Tgt Ion:188 Resp: 550711
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.2
80 11.4 8.2 12.4



#67
4-Bromophenyl-phenylether
Concen: 3.46 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF123341.D
Acq: 2 Mar 2021 17:49

Tgt Ion:248 Resp: 20786
Ion Ratio Lower Upper
248 100
250 205.7 76.8 115.2#
141 595.8 59.8 89.8#

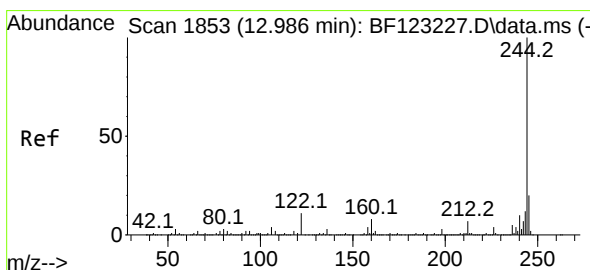
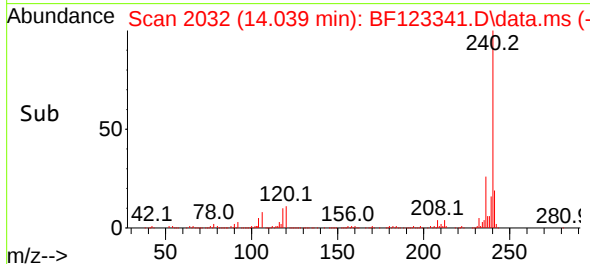
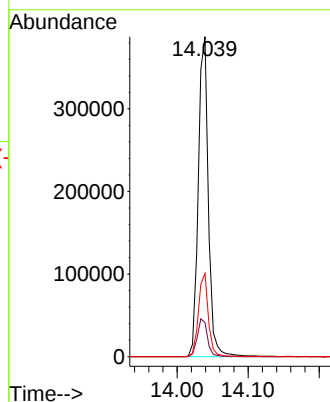
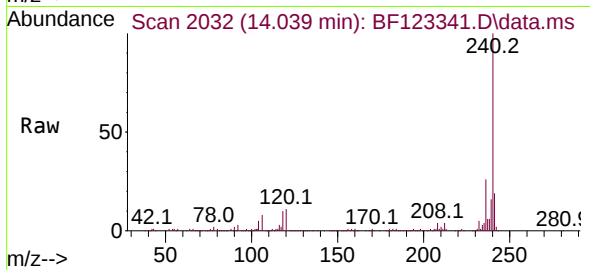




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF123341.D
Acq: 2 Mar 2021 17:49

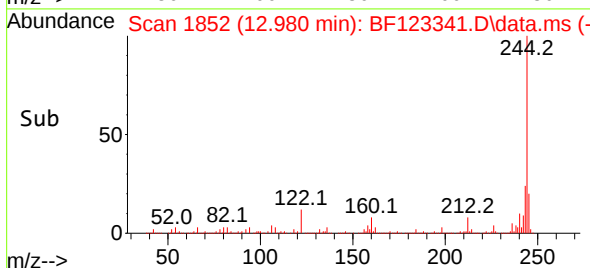
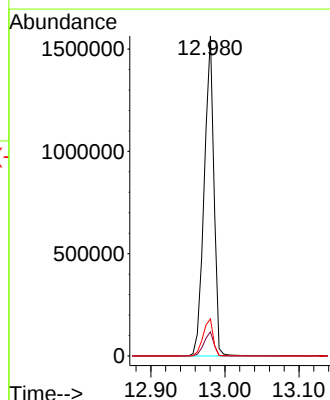
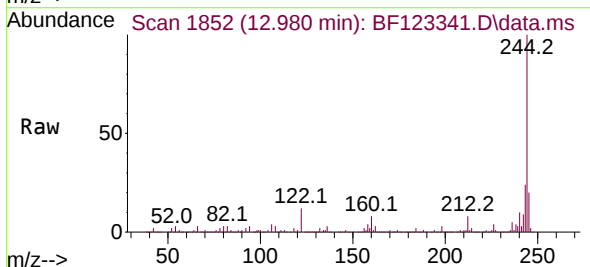
Instrument :
BNA_F
ClientSampleId :
SOIL-SAMPLE-S-1

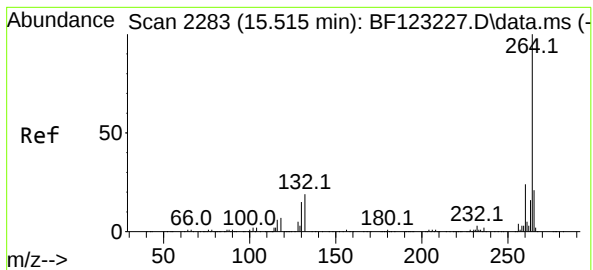
Tgt Ion:240 Resp: 382683
Ion Ratio Lower Upper
240 100
120 10.6 8.6 12.8
236 26.0 20.3 30.5



#79
Terphenyl-d14
Concen: 71.62 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF123341.D
Acq: 2 Mar 2021 17:49

Tgt Ion:244 Resp: 1425300
Ion Ratio Lower Upper
244 100
212 7.6 5.7 8.5
122 11.6 8.3 12.5





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.516 min Scan# 2283
 Delta R.T. 0.000 min
 Lab File: BF123341.D
 Acq: 2 Mar 2021 17:49

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-SAMPLE-S-1

Tgt Ion:264 Resp: 305961

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	20.4	17.0	25.6

