

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030221\
 Data File : BF123340.D
 Acq On : 2 Mar 2021 17:17
 Operator : JU/CG
 Sample : M1532-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-SAMPLE-S-2

Quant Time: Mar 02 17:43:56 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)

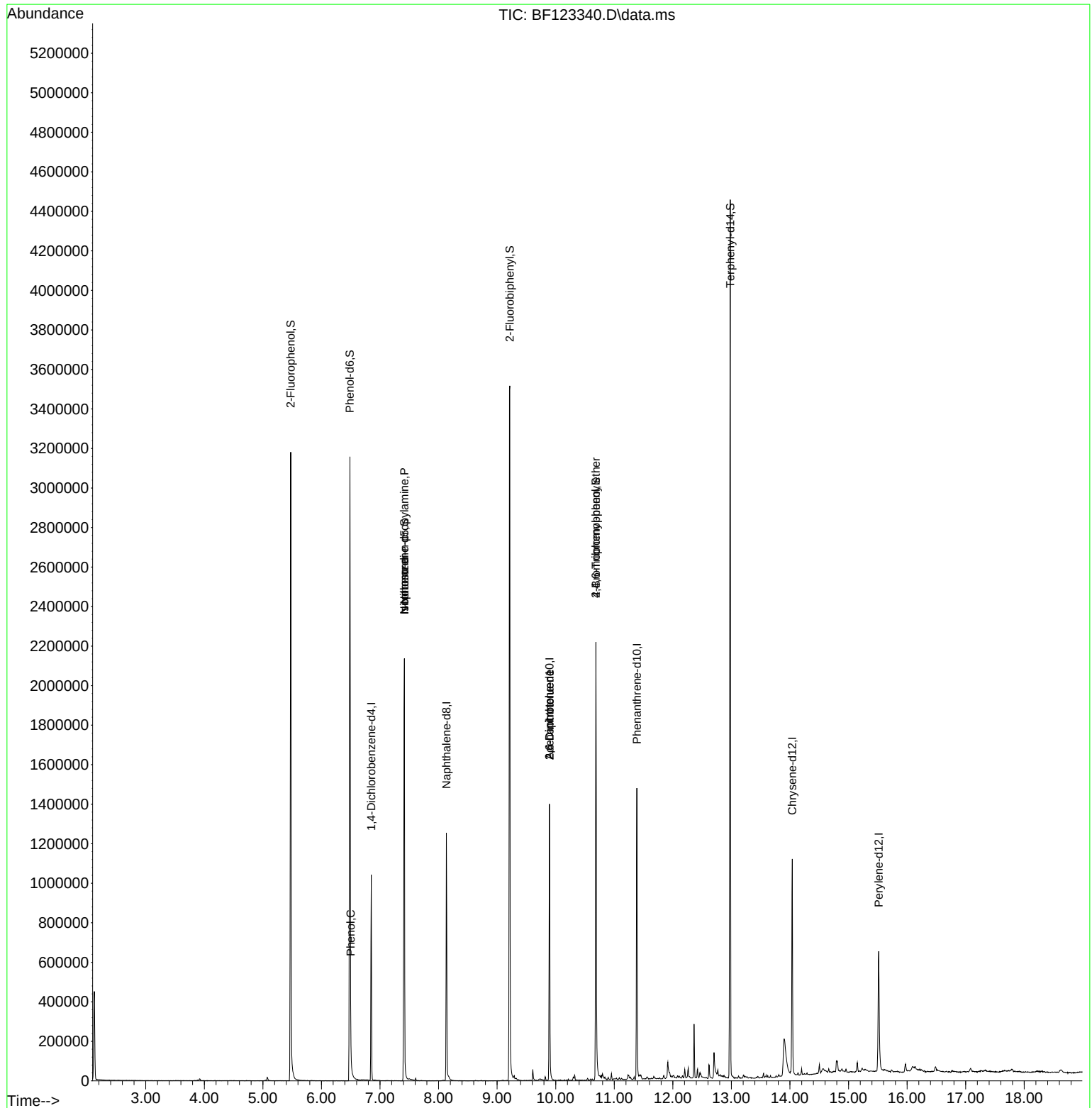
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	127029	20.00	ng	0.00
21) Naphthalene-d8	8.134	136	517942	20.00	ng	#-0.01
39) Acenaphthene-d10	9.892	164	274154	20.00	ng	-0.01
64) Phenanthrene-d10	11.386	188	513397	20.00	ng	0.00
76) Chrysene-d12	14.039	240	362646	20.00	ng	0.00
86) Perylene-d12	15.515	264	290440	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	833674	94.47	ng	0.00
7) Phenol-d6	6.487	99	1077647	89.88	ng	0.00
23) Nitrobenzene-d5	7.416	82	728399	64.38	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	232579	83.31	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	1161128	60.84	ng	0.00
79) Terphenyl-d14	12.980	244	1232525	65.35	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.487	77	2175	Below Cal	#	1
10) Phenol	6.498	94	42985	3.29	ng	98
19) n-Nitroso-di-n-propyla...	7.416	70	99223	13.91	ng	# 79
25) Isophorone	7.416	82	728387	34.43	ng	# 65
51) 2,6-Dinitrotoluene	9.892	165	35219	7.45	ng	# 32
57) 2,4-Dinitrotoluene	9.892	165	35219	5.54	ng	# 26
67) 4-Bromophenyl-phenylether	10.686	248	17309	3.09	ng	# 1

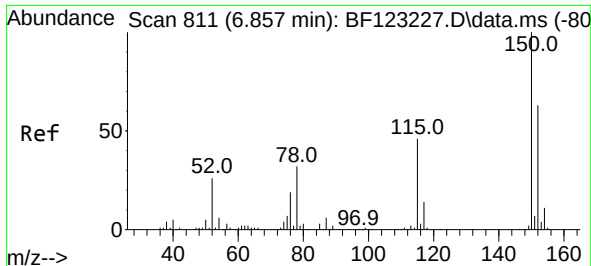
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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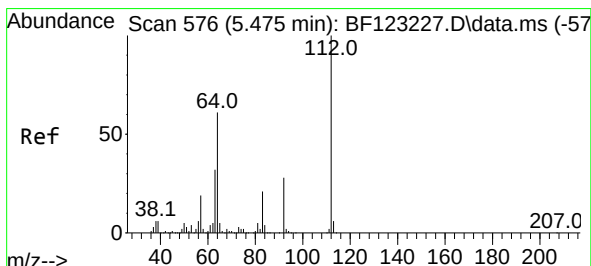
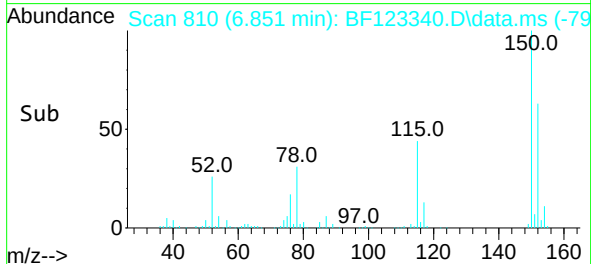
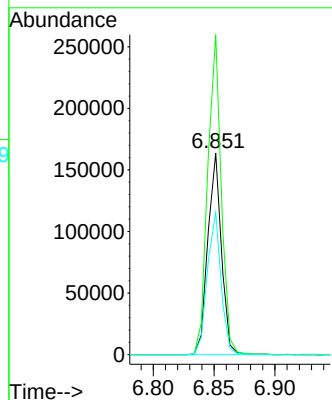
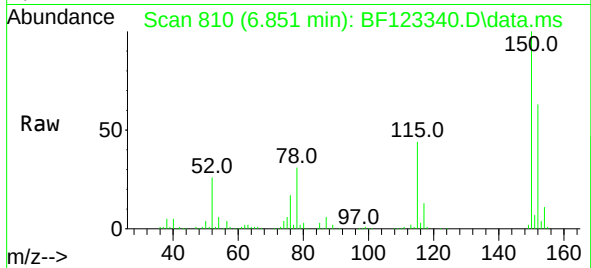




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF123340.D
Acq: 2 Mar 2021 17:17

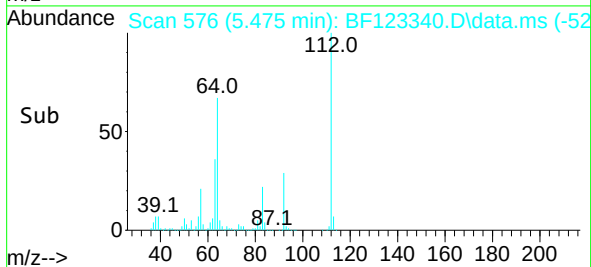
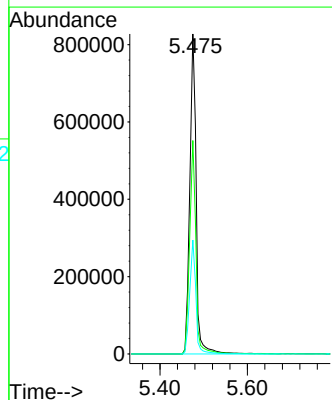
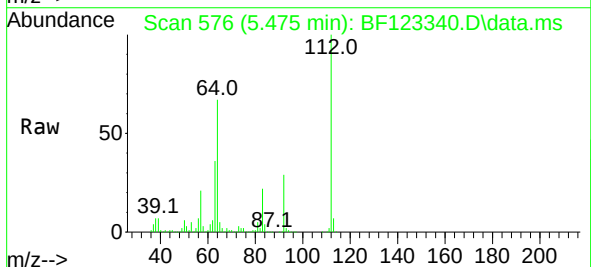
Instrument :
BNA_F
ClientSampleId :
SOIL-SAMPLE-S-2

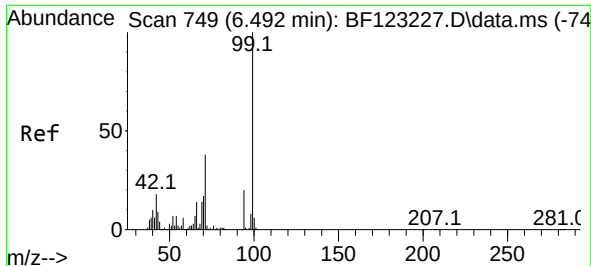
Tgt Ion:152 Resp: 127029
Ion Ratio Lower Upper
152 100
150 158.8 125.8 188.6
115 70.6 49.3 73.9



#5
2-Fluorophenol
Concen: 94.47 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.000 min
Lab File: BF123340.D
Acq: 2 Mar 2021 17:17

Tgt Ion:112 Resp: 833674
Ion Ratio Lower Upper
112 100
64 66.7 46.9 70.3
63 35.6 24.5 36.7

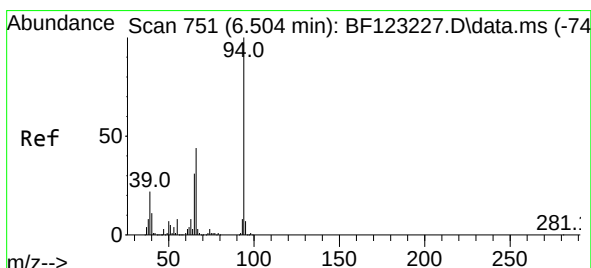
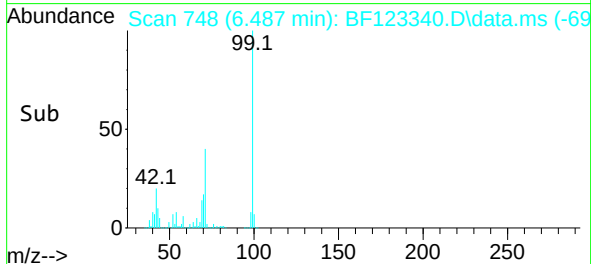
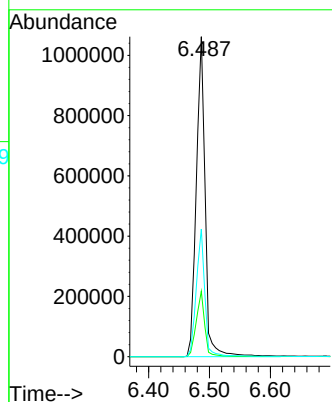
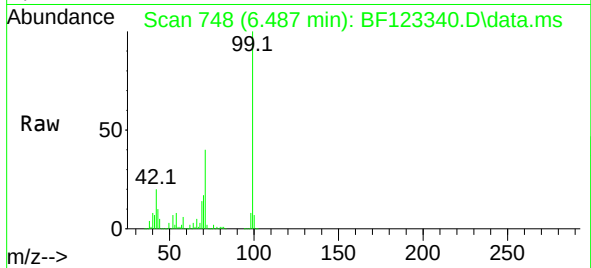




#7
Phenol-d6
Concen: 89.88 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF123340.D
Acq: 2 Mar 2021 17:17

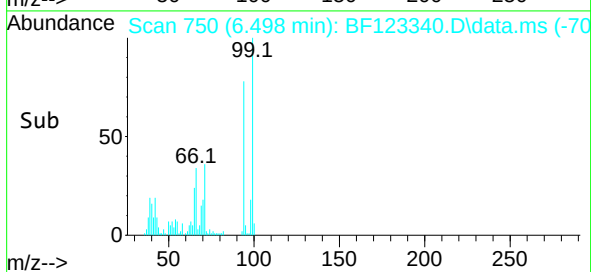
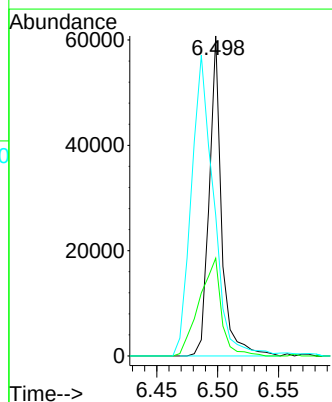
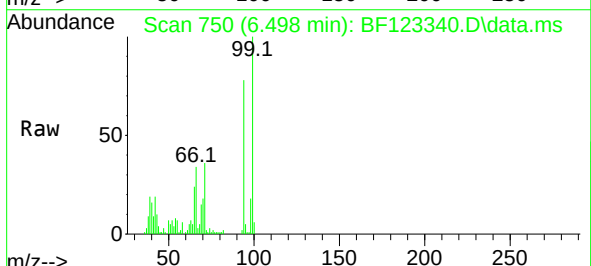
Instrument :
BNA_F
ClientSampleId :
SOIL-SAMPLE-S-2

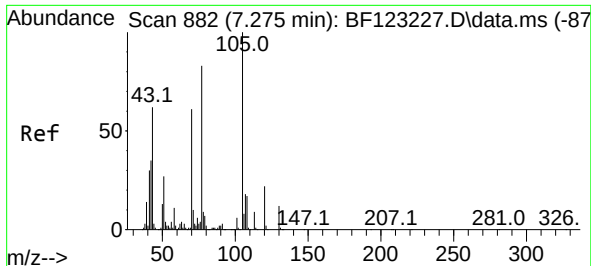
Tgt Ion: 99 Resp: 1077647
Ion Ratio Lower Upper
99 100
42 20.4 13.8 20.6
71 39.9 26.9 40.3



#10
Phenol
Concen: 3.29 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF123340.D
Acq: 2 Mar 2021 17:17

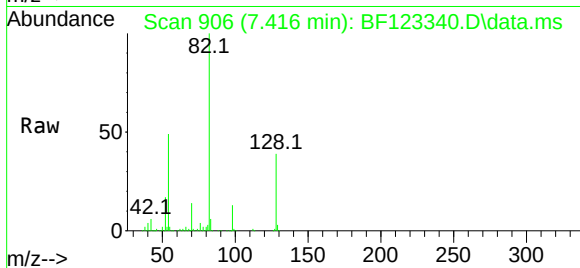
Tgt Ion: 94 Resp: 42985
Ion Ratio Lower Upper
94 100
65 30.6 11.2 51.2
66 44.0 25.8 65.8



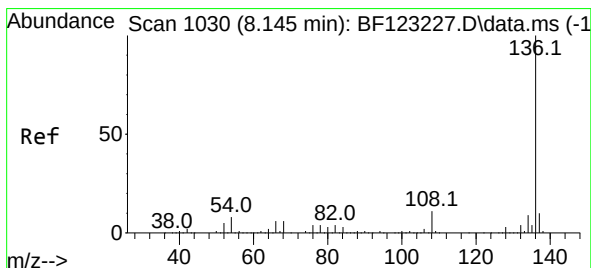
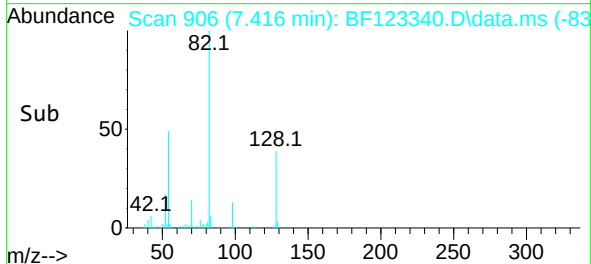
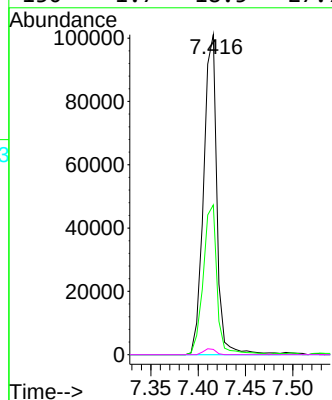


#19
n-Nitroso-di-n-propylamine
Concen: 13.91 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF123340.D
Acq: 2 Mar 2021 17:17

Instrument :
BNA_F
ClientSampleId :
SOIL-SAMPLE-S-2

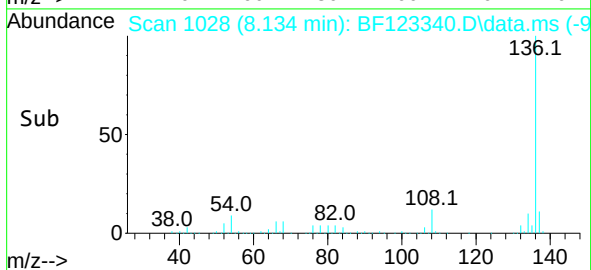
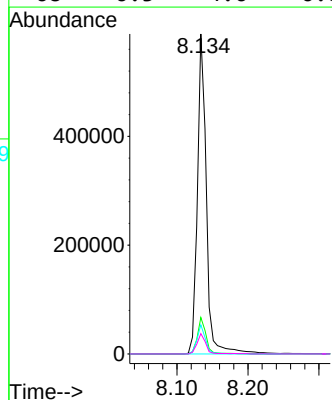
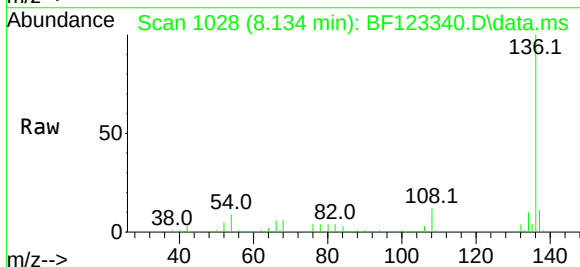


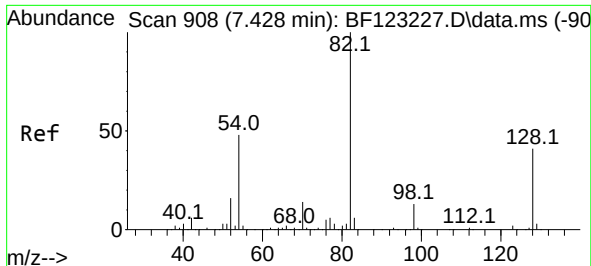
Tgt Ion: 70 Resp: 99223
Ion Ratio Lower Upper
70 100
42 46.8 43.0 64.4
101 0.0 7.9 11.9#
130 1.7 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.012 min
Lab File: BF123340.D
Acq: 2 Mar 2021 17:17

Tgt Ion: 136 Resp: 517942
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 9.1 5.5 8.3#
68 6.3 4.6 6.8

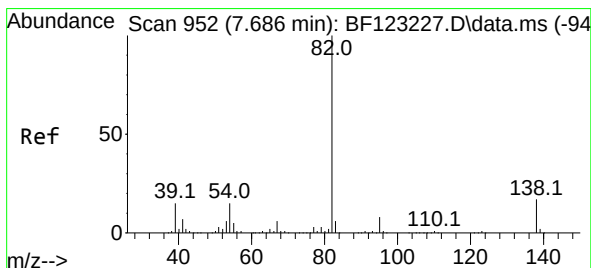
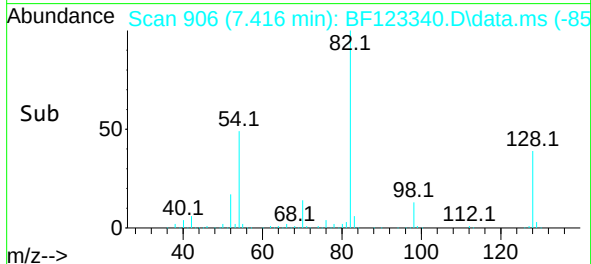
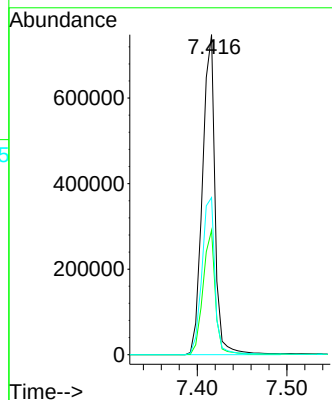
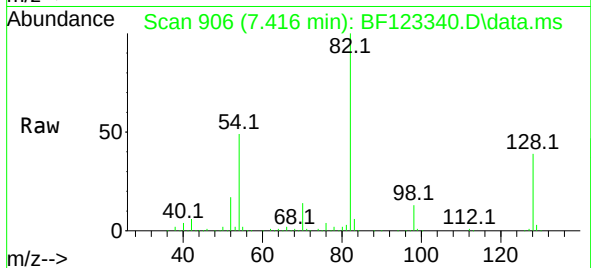




#23
Nitrobenzene-d5
Concen: 64.38 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF123340.D
Acq: 2 Mar 2021 17:17

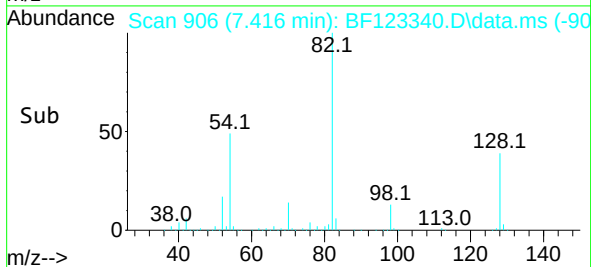
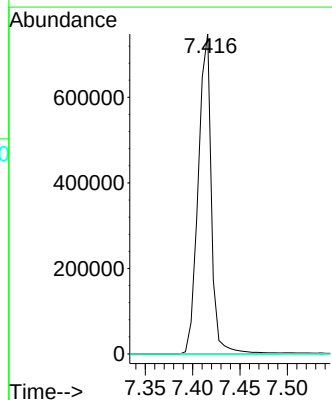
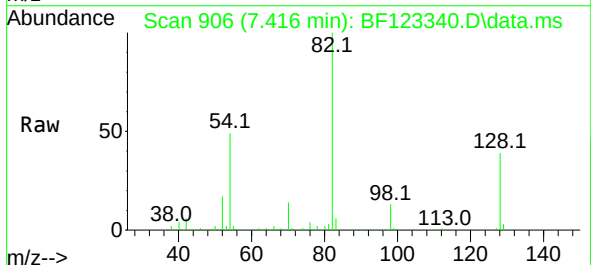
Instrument :
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ClientSampleId :
SOIL-SAMPLE-S-2

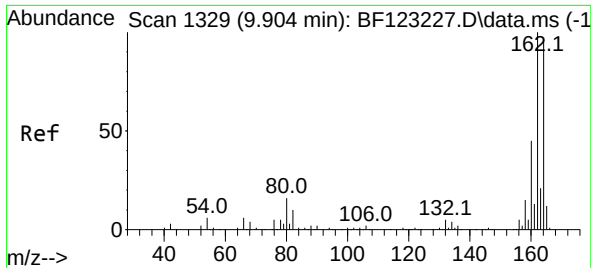
Tgt Ion: 82 Resp: 728399
Ion Ratio Lower Upper
82 100
128 38.8 37.0 55.4
54 49.1 38.4 57.6



#25
Isophorone
Concen: 34.43 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.270 min
Lab File: BF123340.D
Acq: 2 Mar 2021 17:17

Tgt Ion: 82 Resp: 728387
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#

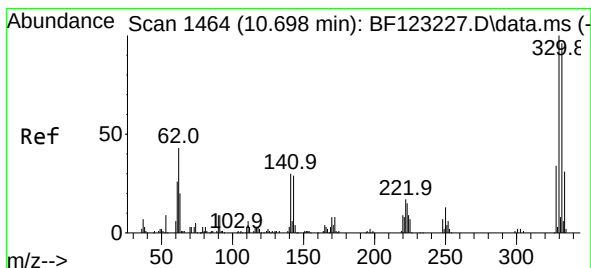
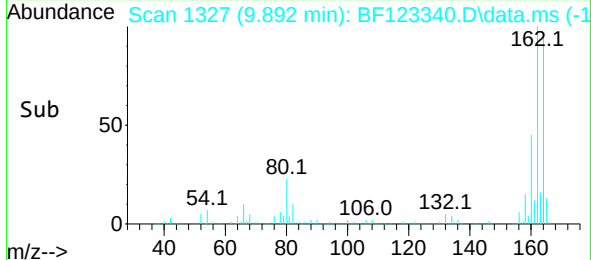
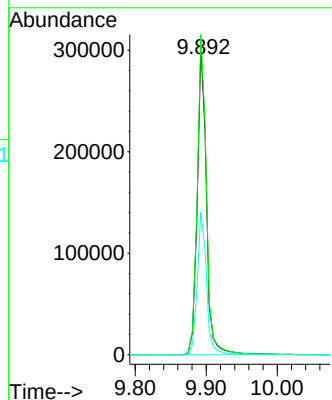
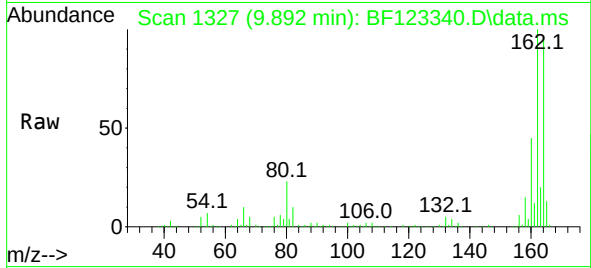




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF123340.D
Acq: 2 Mar 2021 17:17

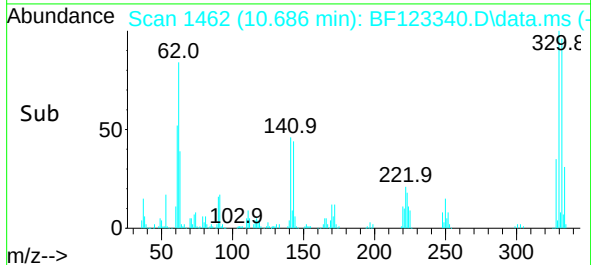
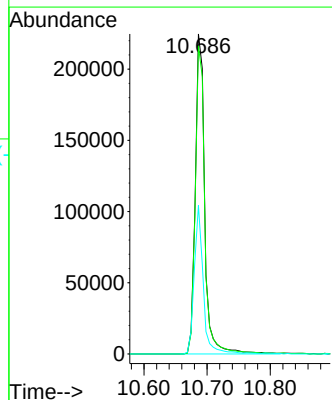
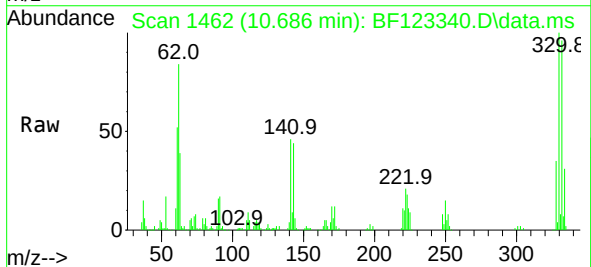
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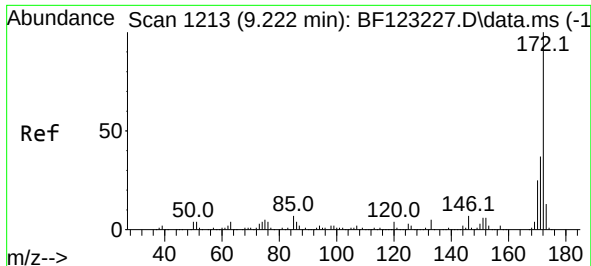
Tgt Ion:164 Resp: 274154
Ion Ratio Lower Upper
164 100
162 104.0 80.8 121.2
160 46.3 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 83.31 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF123340.D
Acq: 2 Mar 2021 17:17

Tgt Ion:330 Resp: 232579
Ion Ratio Lower Upper
330 100
332 96.8 77.5 116.3
141 43.9 23.8 35.8#

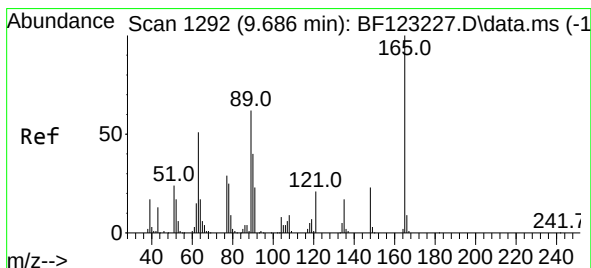
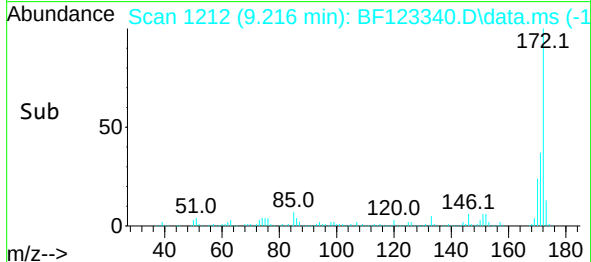
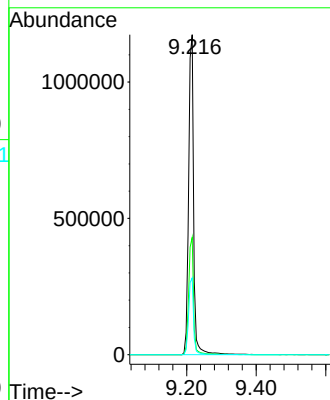
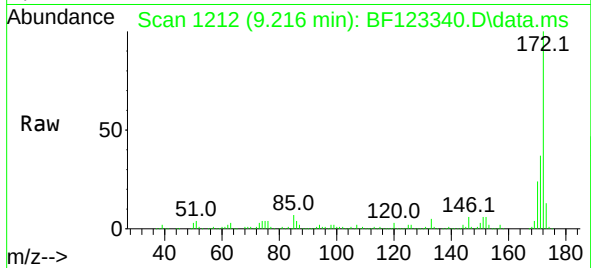




#45
2-Fluorobiphenyl
Concen: 60.84 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF123340.D
Acq: 2 Mar 2021 17:17

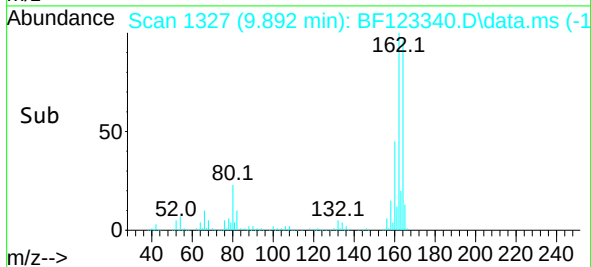
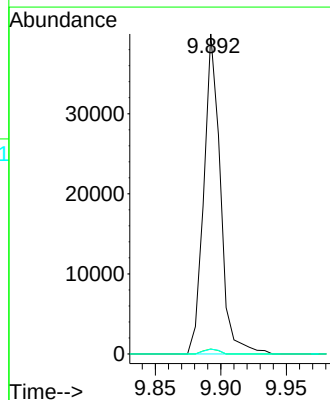
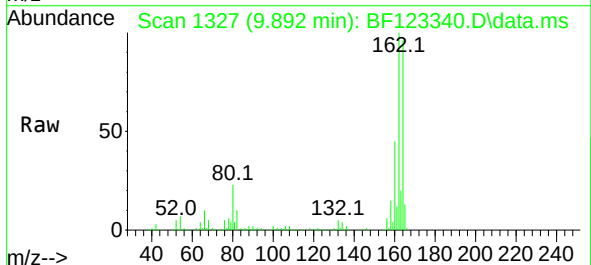
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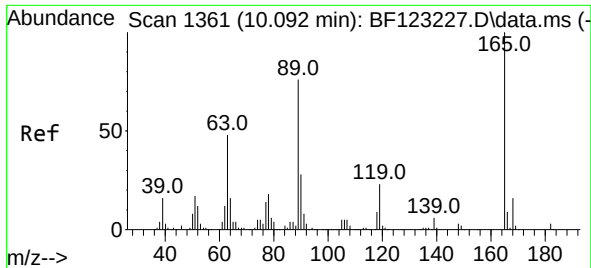
Tgt Ion:172 Resp: 1161128
Ion Ratio Lower Upper
172 100
171 36.6 29.6 44.4
170 24.0 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 7.45 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.206 min
Lab File: BF123340.D
Acq: 2 Mar 2021 17:17

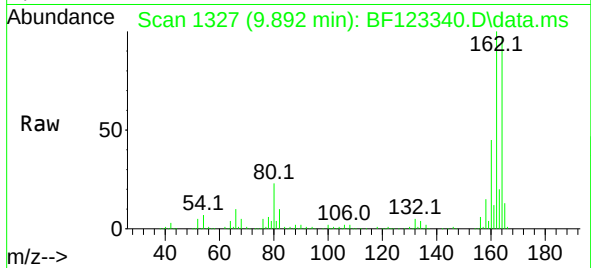
Tgt Ion:165 Resp: 35219
Ion Ratio Lower Upper
165 100
63 1.6 36.6 55.0#
89 1.5 39.4 59.0#



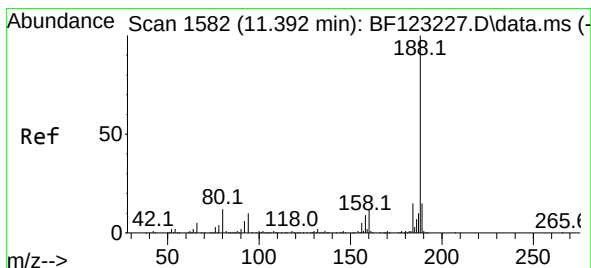
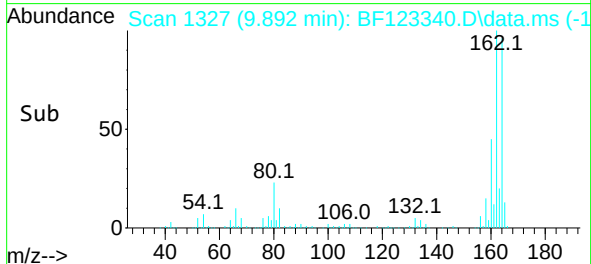
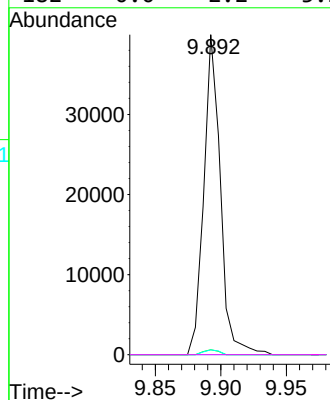


#57
2,4-Dinitrotoluene
Concen: 5.54 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.200 min
Lab File: BF123340.D
Acq: 2 Mar 2021 17:17

Instrument :
BNA_F
ClientSampleId :
SOIL-SAMPLE-S-2

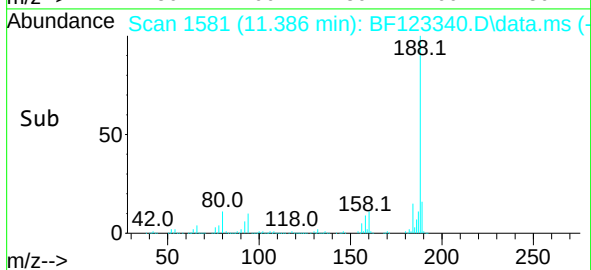
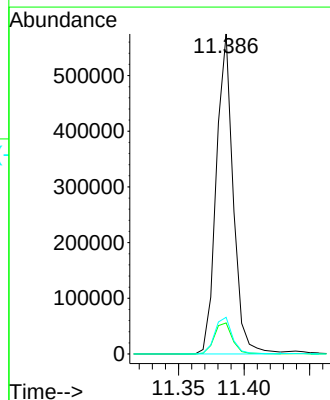
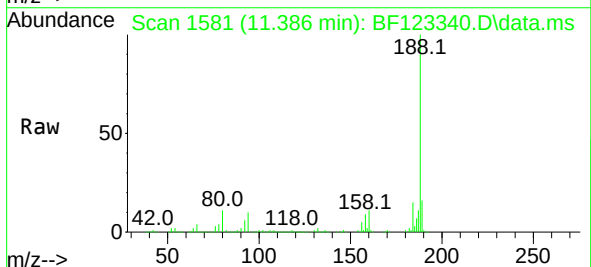


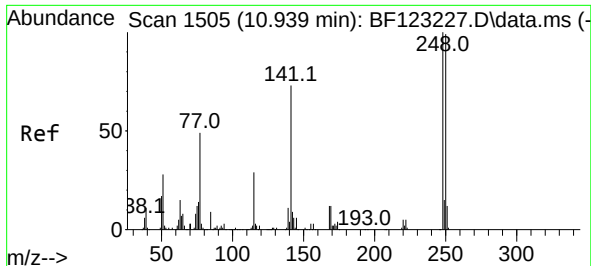
Tgt Ion:165 Resp: 35219
Ion Ratio Lower Upper
165 100
63 1.6 34.3 51.5#
89 1.5 55.2 82.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF123340.D
Acq: 2 Mar 2021 17:17

Tgt Ion:188 Resp: 513397
Ion Ratio Lower Upper
188 100
94 9.7 7.4 11.2
80 11.4 8.2 12.4

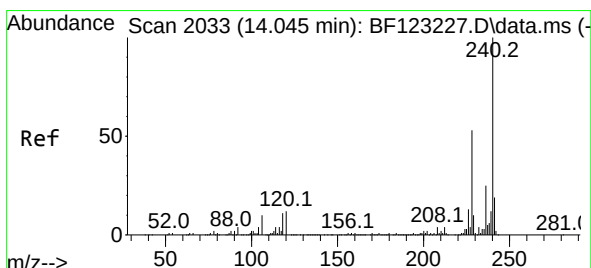
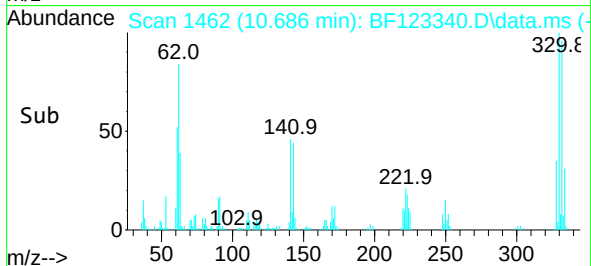
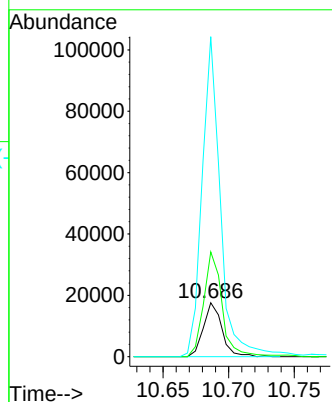
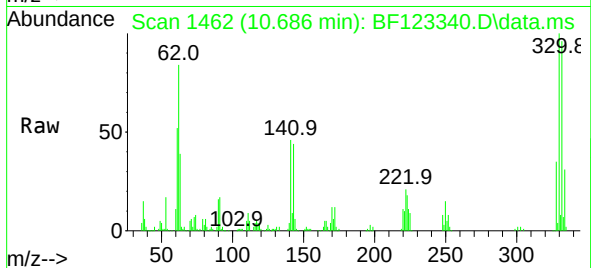




#67
4-Bromophenyl-phenylether
Concen: 3.09 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF123340.D
Acq: 2 Mar 2021 17:17

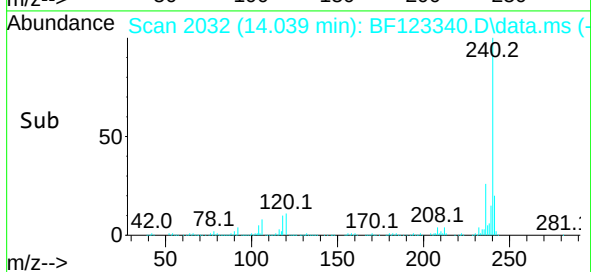
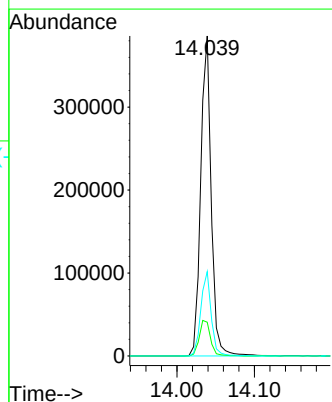
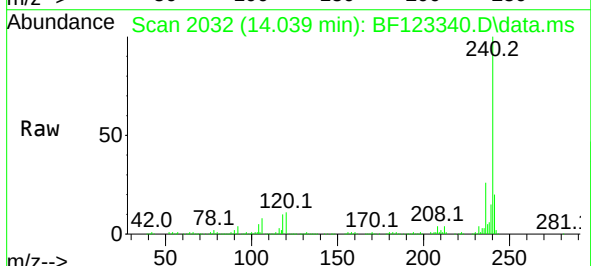
Instrument :
BNA_F
ClientSampleId :
SOIL-SAMPLE-S-2

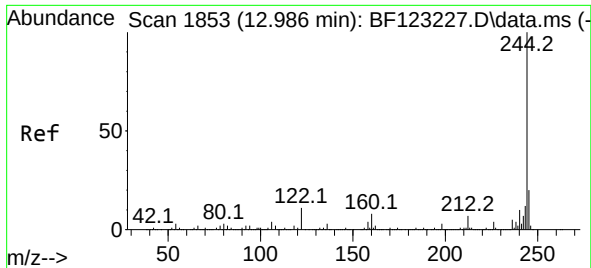
Tgt Ion:248 Resp: 17309
Ion Ratio Lower Upper
248 100
250 194.3 76.8 115.2#
141 593.7 59.8 89.8#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF123340.D
Acq: 2 Mar 2021 17:17

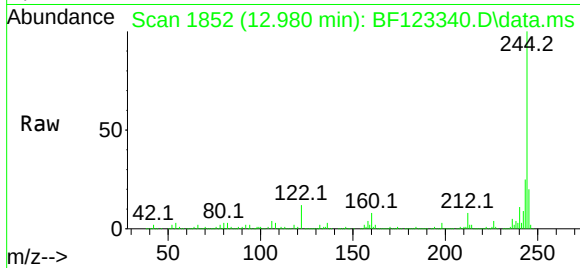
Tgt Ion:240 Resp: 362646
Ion Ratio Lower Upper
240 100
120 10.5 8.6 12.8
236 26.3 20.3 30.5





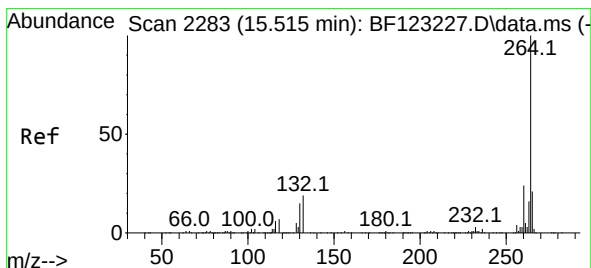
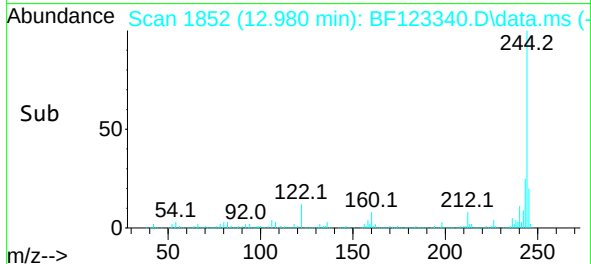
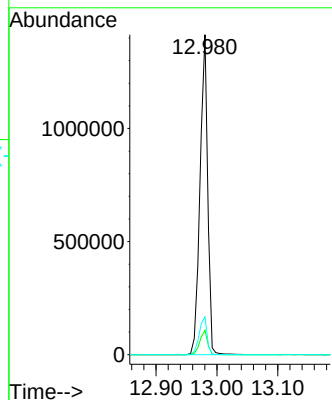
#79
 Terphenyl-d14
 Concen: 65.35 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF123340.D
 Acq: 2 Mar 2021 17:17

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-SAMPLE-S-2



Tgt Ion:244 Resp: 1232525

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.7	8.5
122	11.8	8.3	12.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.515 min Scan# 2283
 Delta R.T. 0.000 min
 Lab File: BF123340.D
 Acq: 2 Mar 2021 17:17

Tgt Ion:264 Resp: 290440

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	20.8	17.0	25.6

