

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060721\
 Data File : BF124163.D
 Acq On : 7 Jun 2021 18:36
 Operator : JU/CG
 Sample : M2616-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BSS-SOIL-PILE

Quant Time: Jun 08 01:30:06 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 07 13:32:21 2021
 Response via : Initial Calibration

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

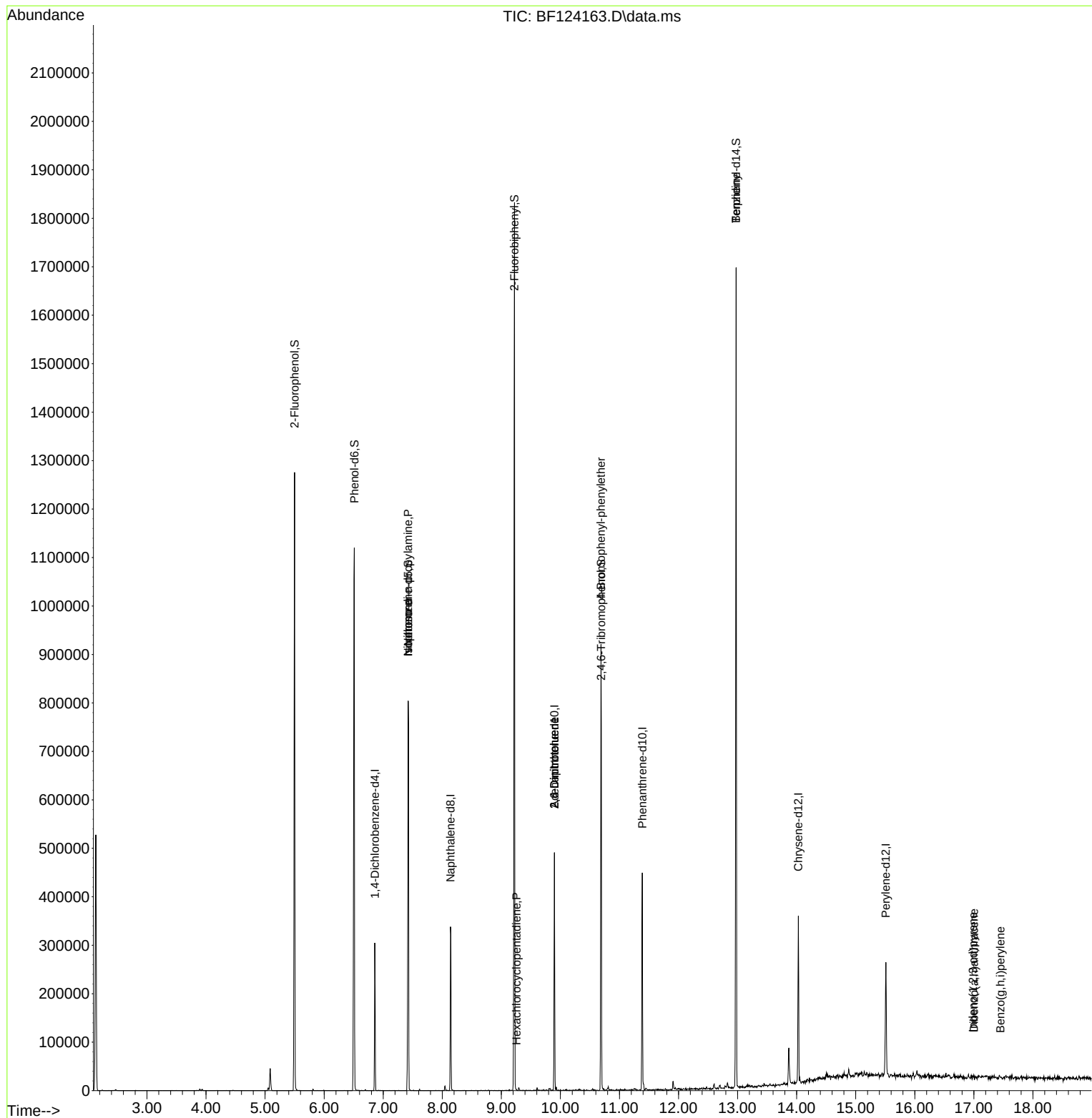
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	35431	20.00	ng	-0.01
21) Naphthalene-d8	8.140	136	139321	20.00	ng	-0.01
39) Acenaphthene-d10	9.898	164	82628	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	144220	20.00	ng	0.00
76) Chrysene-d12	14.027	240	98579	20.00	ng	0.00
86) Perylene-d12	15.510	264	92682	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	262409	111.49	ng	0.00
7) Phenol-d6	6.510	99	335923	106.18	ng	0.00
23) Nitrobenzene-d5	7.422	82	265499	75.58	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	96358	82.31	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	490503	74.70	ng	0.00
79) Terphenyl-d14	12.974	244	477723	66.53	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	39926	17.88	ng	# 63
25) Isophorone	7.422	82	265492	41.94	ng	# 69
41) Hexachlorocyclopentadiene	9.257	237	130	7.78	ng	# 30
51) 2,6-Dinitrotoluene	9.898	165	9614	6.13	ng	# 10
57) 2,4-Dinitrotoluene	9.898	165	9614	4.65	ng	# 15
67) 4-Bromophenyl-phenylether	10.686	248	6127	3.10	ng	# 1
77) Benzidine	12.974	184	8441	7.42	ng	97
87) Indeno(1,2,3-cd)pyrene	16.986	276	743	4.42	ng	# 63
91) Dibenzo(a,h)anthracene	17.004	278	464	4.24	ng	# 57
92) Benzo(g,h,i)perylene	17.451	276	1537	4.02	ng	# 56

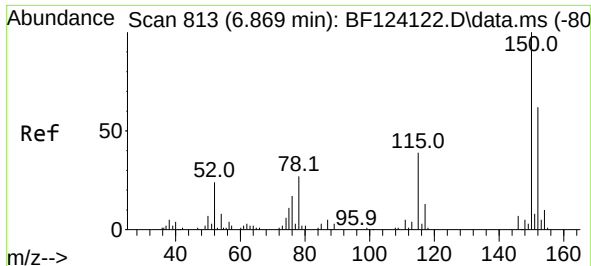
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 08 01:30:06 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 07 13:32:21 2021
Response via : Initial Calibration

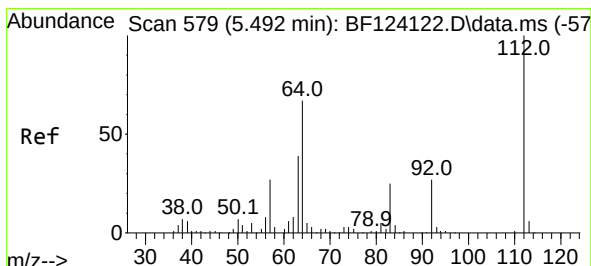
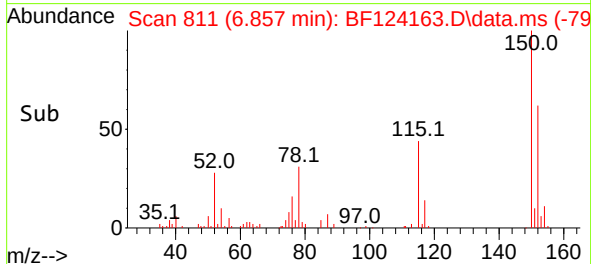
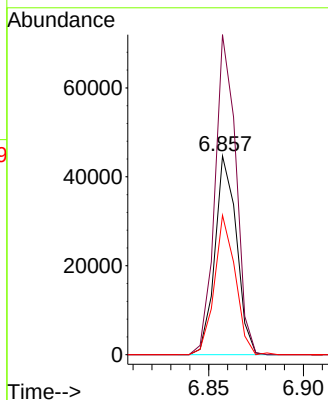
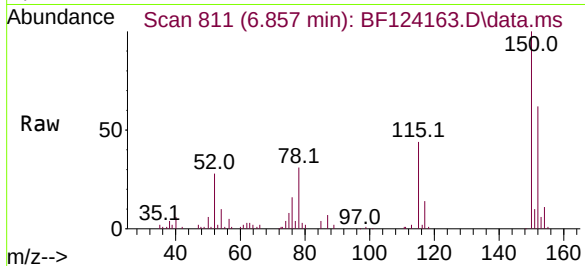




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

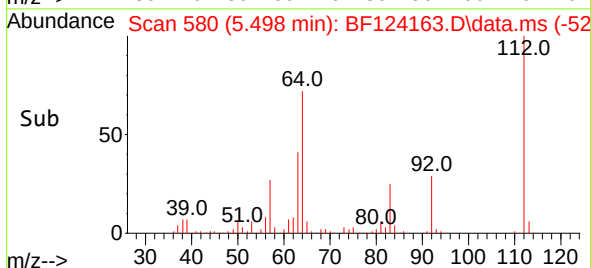
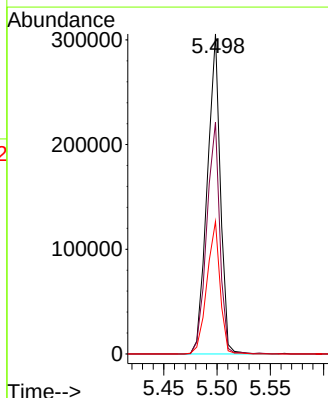
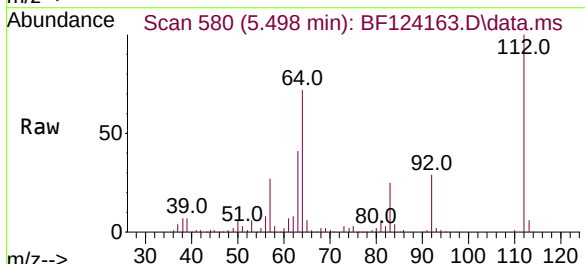
Instrument :
BNA_F
ClientSampleId :
BSS-SOIL-PILE

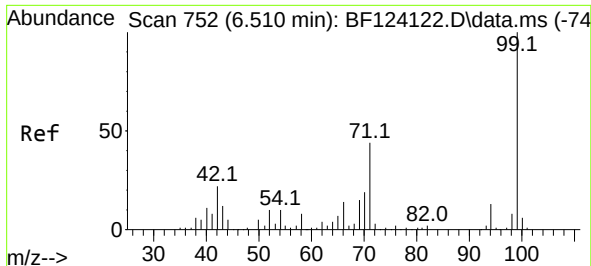
Tgt Ion:152 Resp: 35431
Ion Ratio Lower Upper
152 100
150 161.0 127.0 190.6
115 70.1 54.3 81.5



#5
2-Fluorophenol
Concen: 111.49 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

Tgt Ion:112 Resp: 262409
Ion Ratio Lower Upper
112 100
64 72.4 61.4 92.0
63 41.4 33.0 49.4

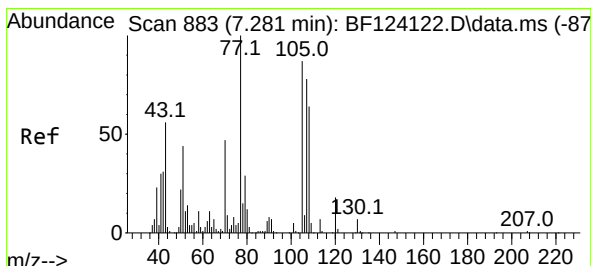
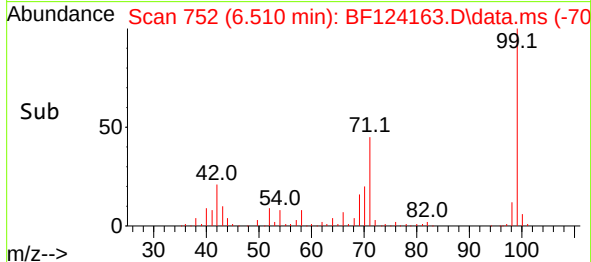
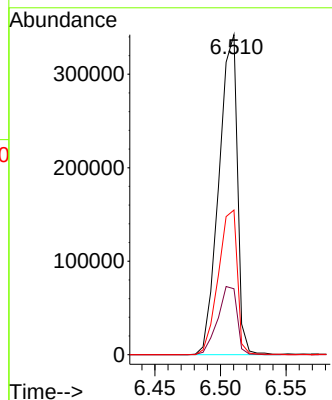
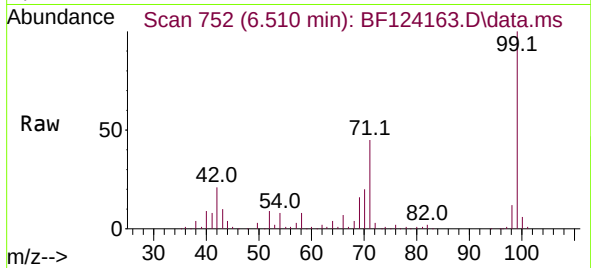




#7
Phenol-d6
Concen: 106.18 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

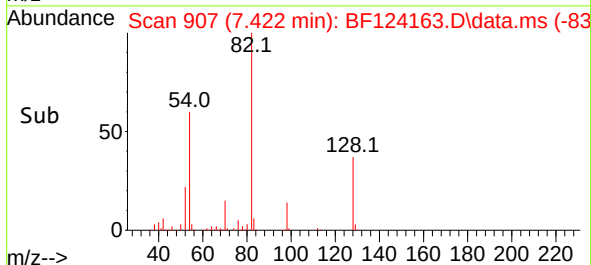
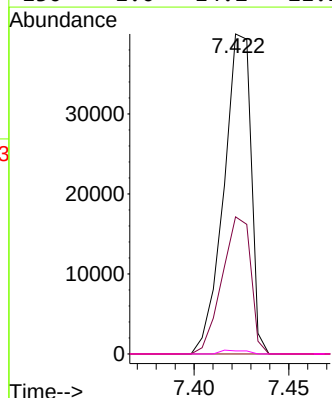
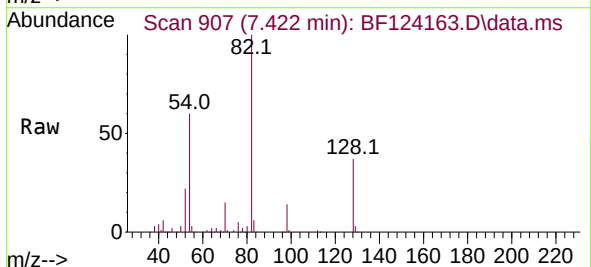
Instrument :
BNA_F
ClientSampleId :
BSS-SOIL-PILE

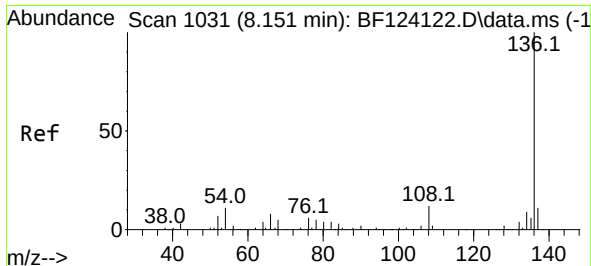
Tgt Ion: 99 Resp: 335923
Ion Ratio Lower Upper
99 100
42 20.6 19.8 29.8
71 45.2 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 17.88 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

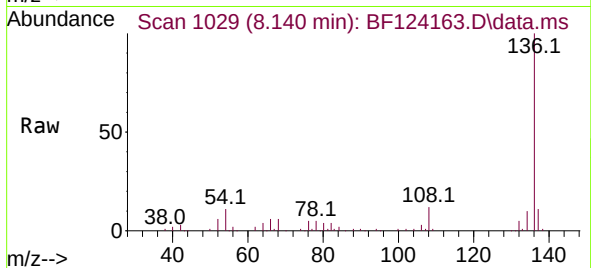
Tgt Ion: 70 Resp: 39926
Ion Ratio Lower Upper
70 100
42 42.9 60.1 90.1#
101 0.0 7.4 11.2#
130 1.0 14.2 21.2#



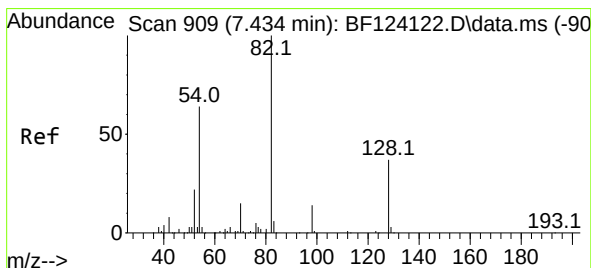
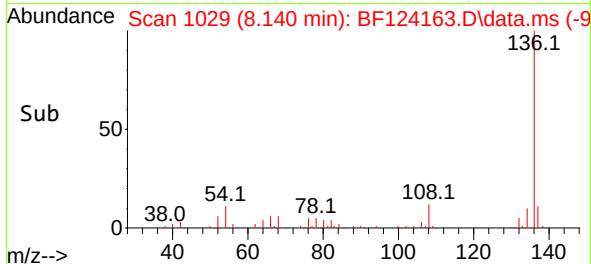
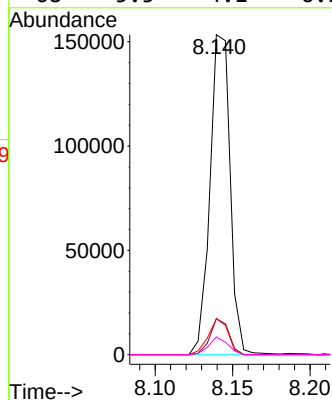


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.140 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

Instrument :
BNA_F
ClientSampleId :
BSS-SOIL-PILE

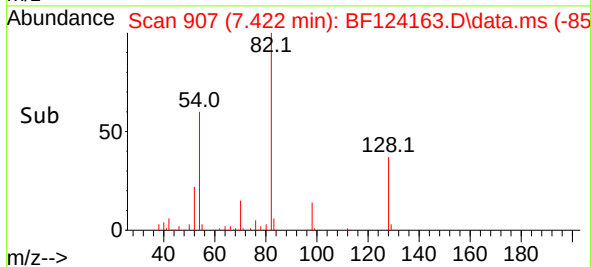
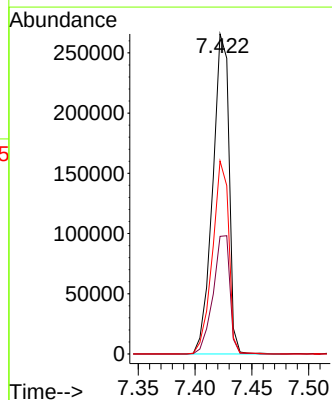
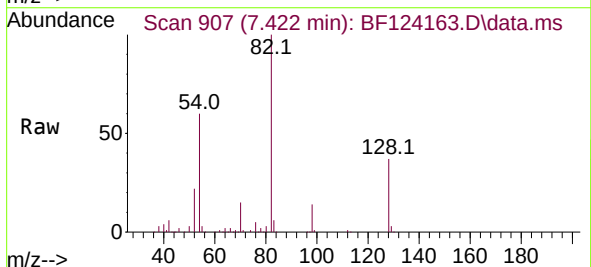


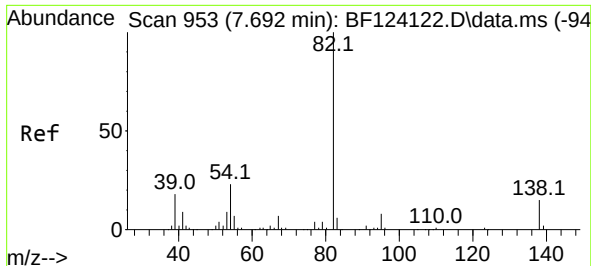
Tgt Ion:136	Resp:	139321
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.7 13.1
54	11.3	9.8 14.6
68	5.5	4.1 6.1



#23
Nitrobenzene-d5
Concen: 75.58 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

Tgt Ion: 82	Resp:	265499
Ion	Ratio	Lower Upper
82	100	
128	36.7	29.4 44.2
54	60.3	54.1 81.1

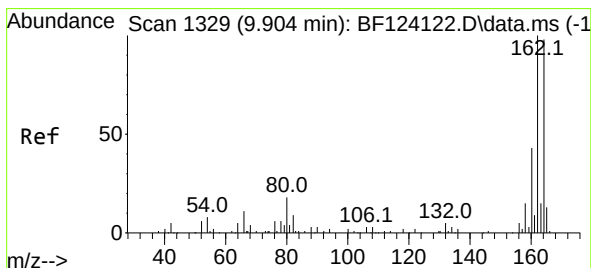
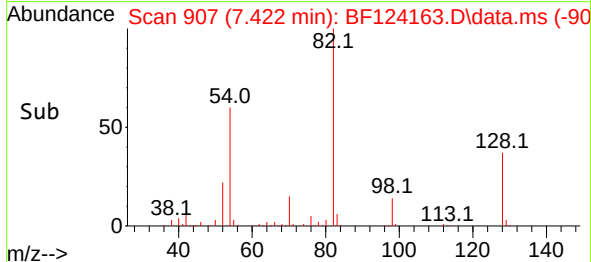
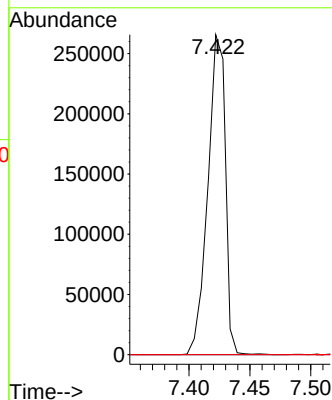
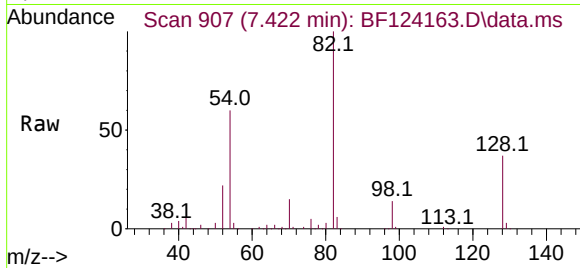




#25
Isophorone
Concen: 41.94 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.270 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

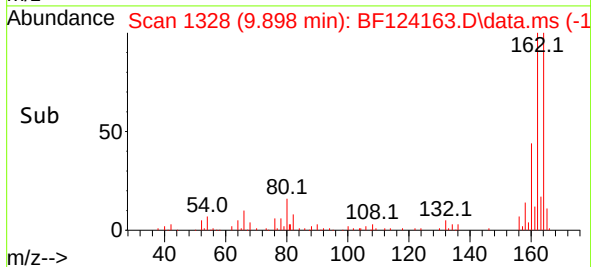
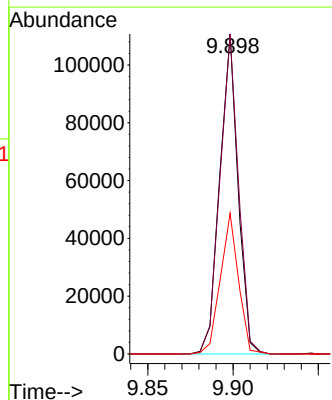
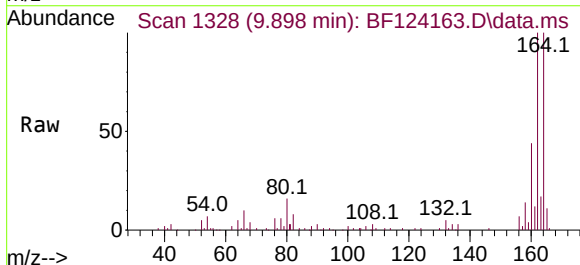
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BSS-SOIL-PILE

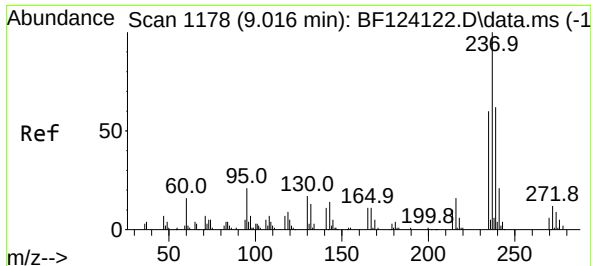
Tgt Ion: 82 Resp: 265492
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

Tgt Ion: 164 Resp: 82628
Ion Ratio Lower Upper
164 100
162 100.0 80.7 121.1
160 44.0 37.3 55.9

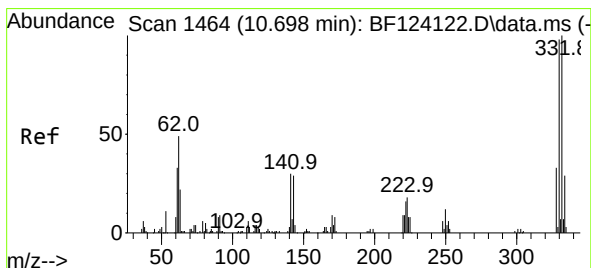
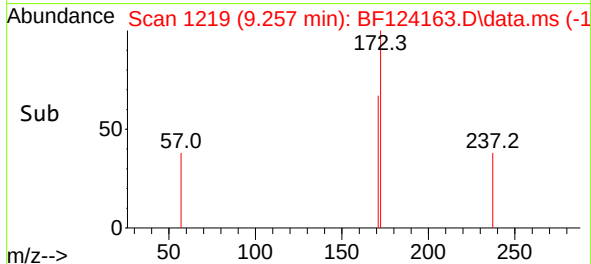
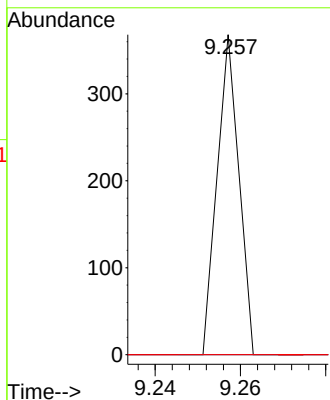
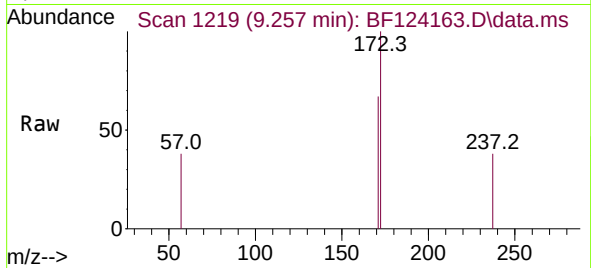




#41
Hexachlorocyclopentadiene
Concen: 7.78 ng
RT: 9.257 min Scan# 1219
Delta R.T. 0.241 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

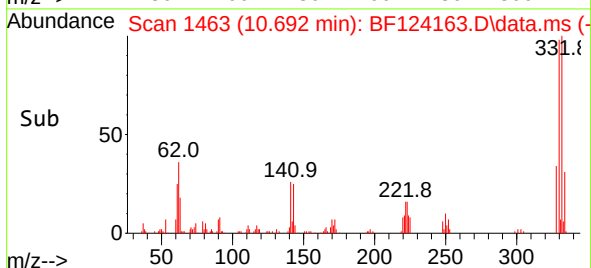
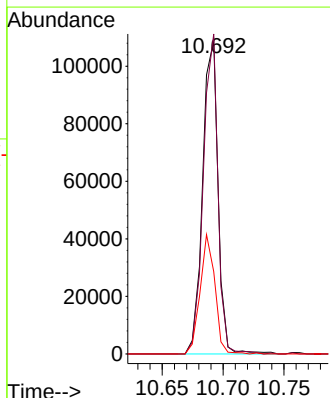
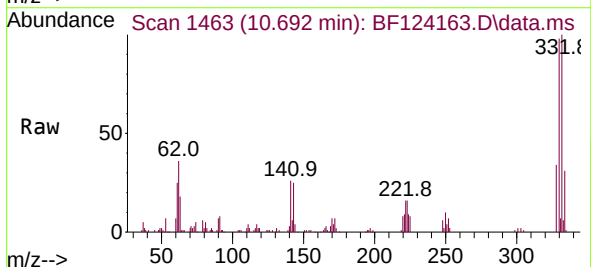
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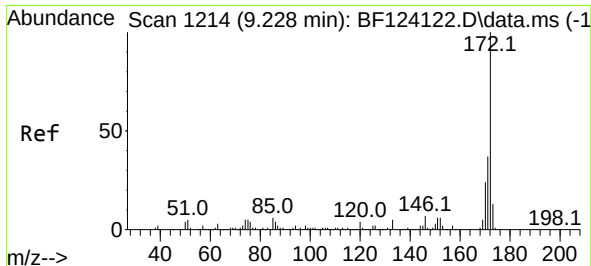
Tgt Ion:237 Resp: 130
Ion Ratio Lower Upper
237 100
235 0.0 38.8 78.8#
272 0.0 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 82.31 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

Tgt Ion:330 Resp: 96358
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 36.5 27.9 41.9

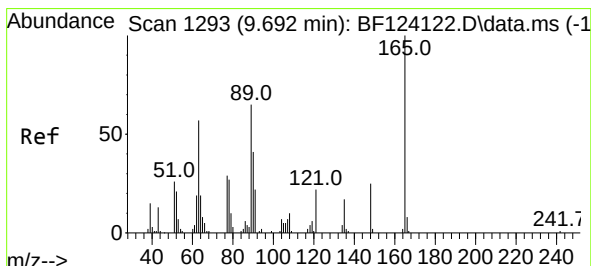
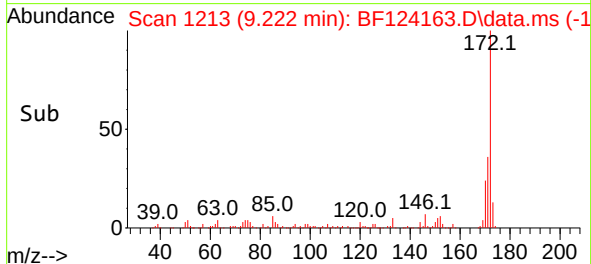
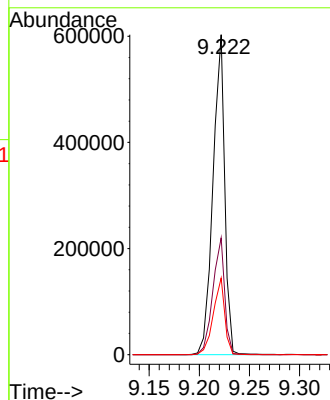
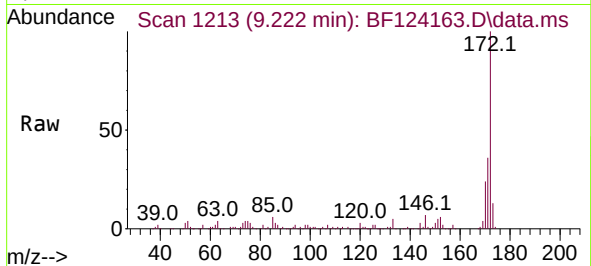




#45
2-Fluorobiphenyl
Concen: 74.70 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

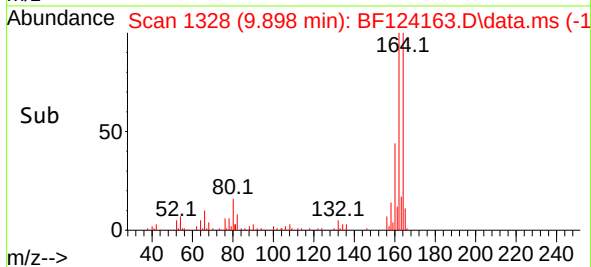
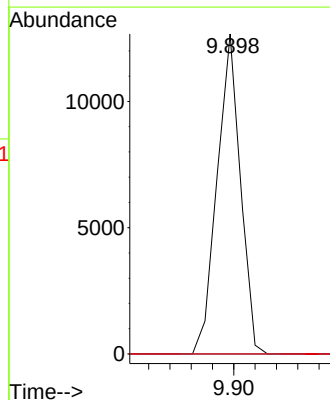
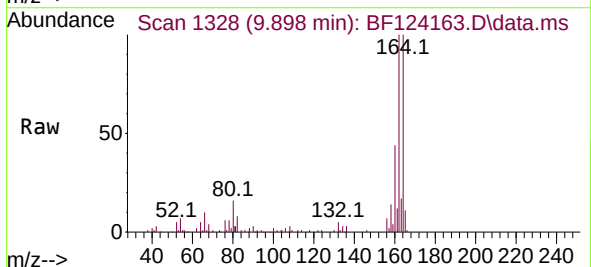
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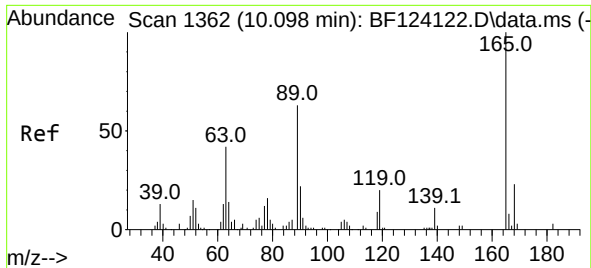
Tgt Ion:172 Resp: 490503
Ion Ratio Lower Upper
172 100
171 36.5 28.1 42.1
170 23.9 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 6.13 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

Tgt Ion:165 Resp: 9614
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 0.0 58.8 88.2#

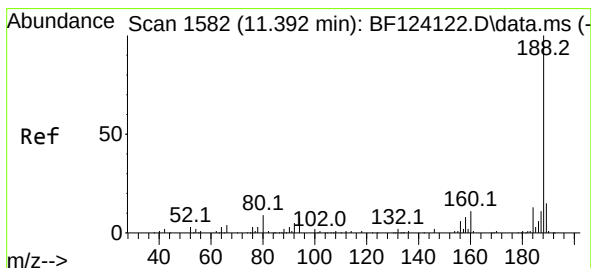
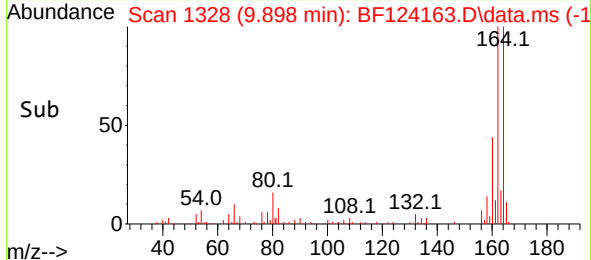
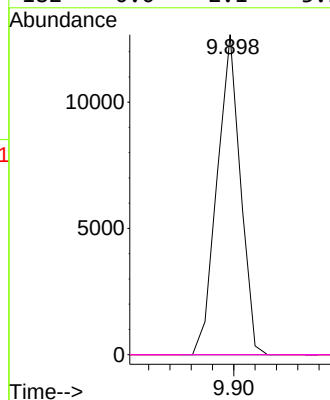
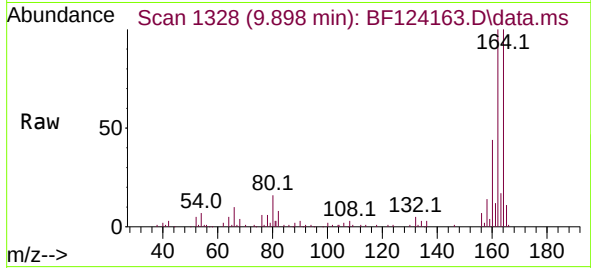




#57
2,4-Dinitrotoluene
Concen: 4.65 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

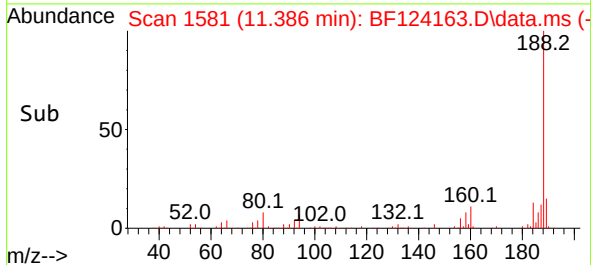
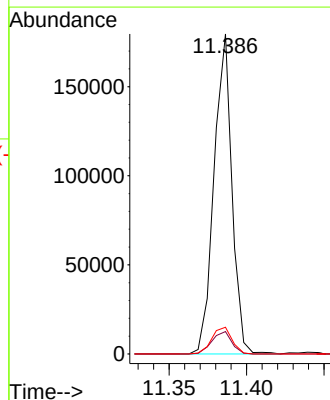
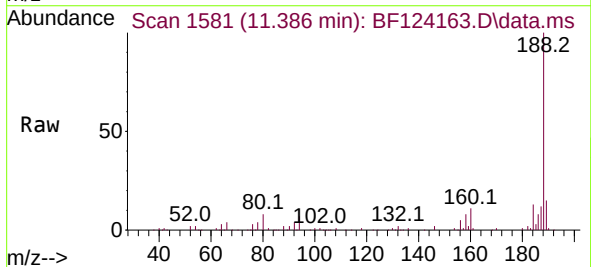
Instrument :
BNA_F
ClientSampleId :
BSS-SOIL-PILE

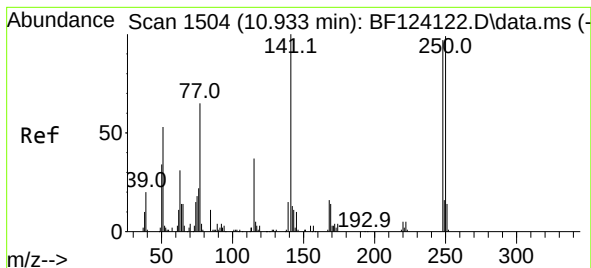
Tgt Ion:165 Resp: 9614
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

Tgt Ion:188 Resp: 144220
Ion Ratio Lower Upper
188 100
94 7.0 6.9 10.3
80 8.4 8.2 12.2

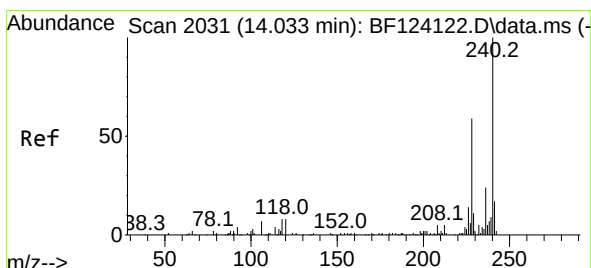
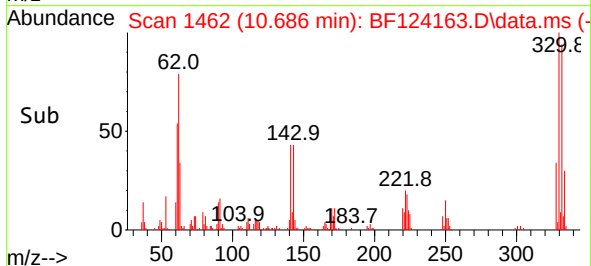
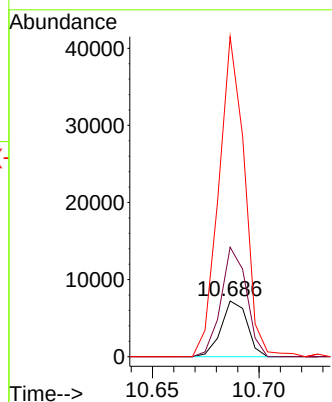
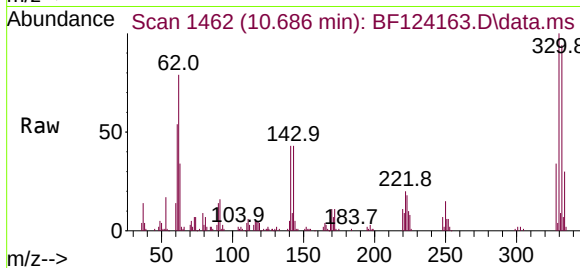




#67
4-Bromophenyl-phenylether
Concen: 3.10 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.247 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

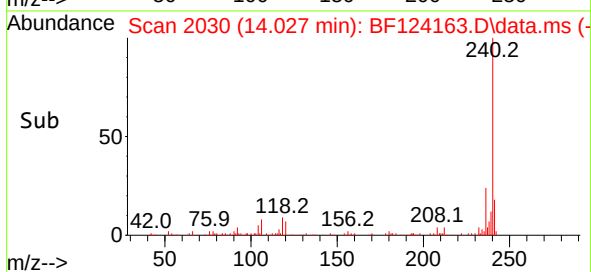
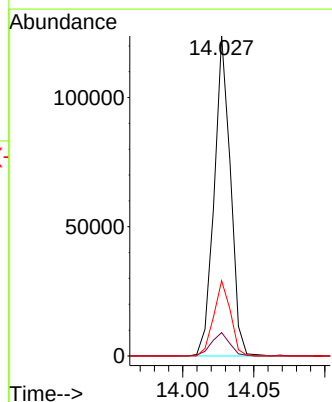
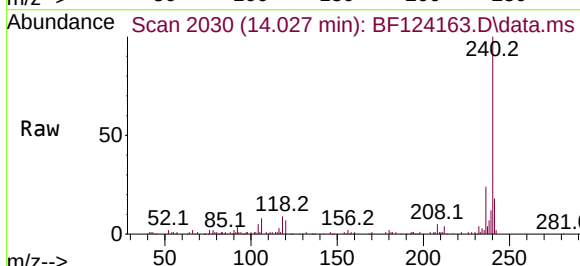
Instrument :
BNA_F
ClientSampled :
BSS-SOIL-PILE

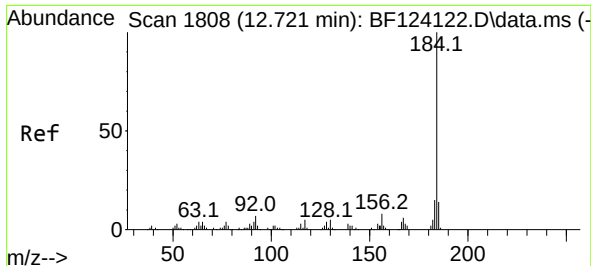
Tgt Ion:248 Resp: 6127
Ion Ratio Lower Upper
248 100
250 196.5 77.4 116.2#
141 574.3 63.7 95.5#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

Tgt Ion:240 Resp: 98579
Ion Ratio Lower Upper
240 100
120 7.3 7.2 10.8
236 23.5 19.0 28.4

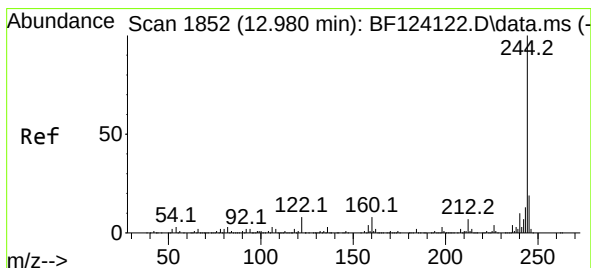
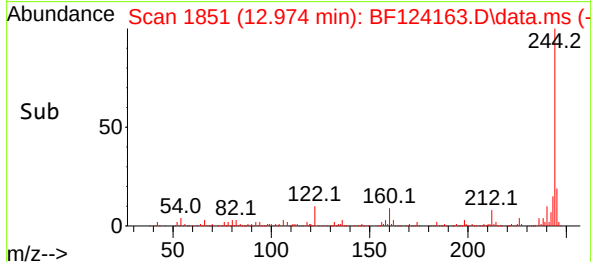
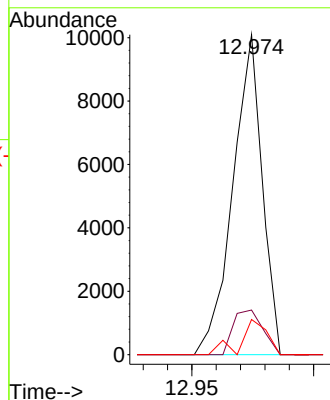
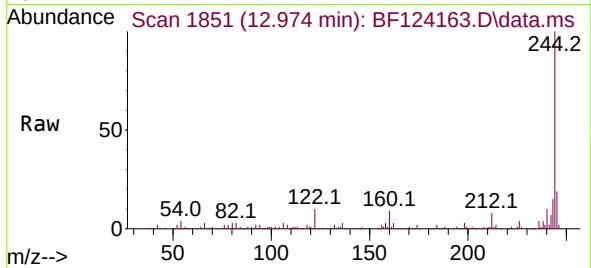




#77
Benzidine
Concen: 7.42 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.253 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

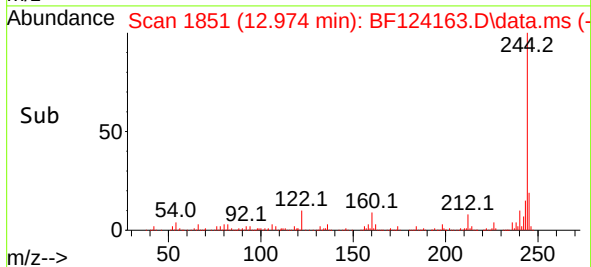
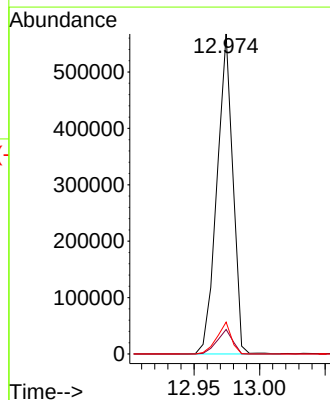
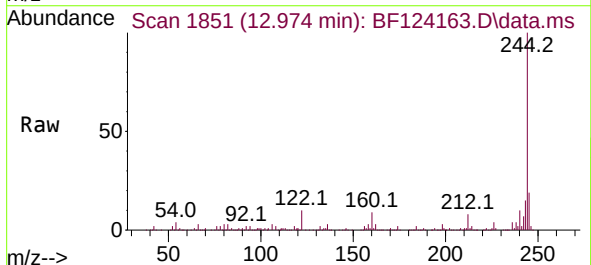
Instrument :
BNA_F
ClientSampleId :
BSS-SOIL-PILE

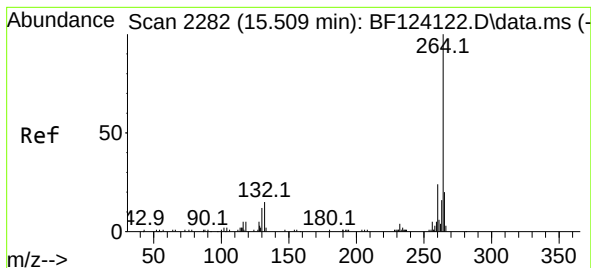
Tgt Ion:184 Resp: 8441
Ion Ratio Lower Upper
184 100
185 13.9 12.1 18.1
183 11.0 7.8 11.8



#79
Terphenyl-d14
Concen: 66.53 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

Tgt Ion:244 Resp: 477723
Ion Ratio Lower Upper
244 100
212 7.6 5.7 8.5
122 10.0 9.7 14.5

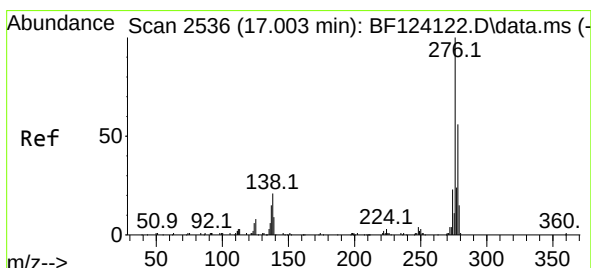
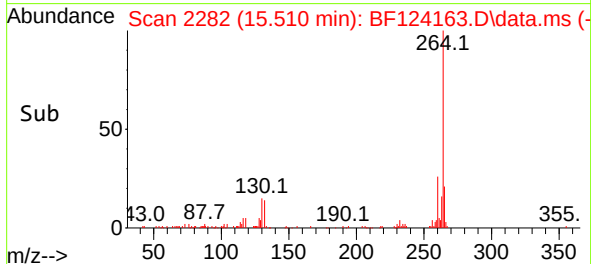
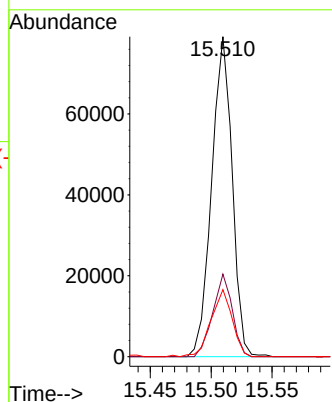
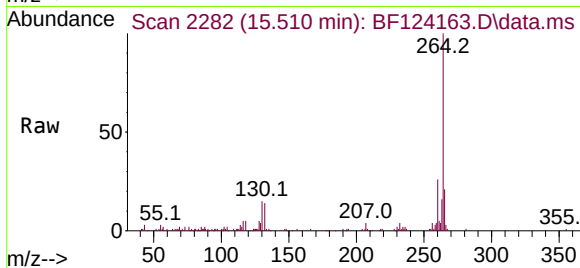




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.510 min Scan# 2282
Delta R.T. 0.001 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

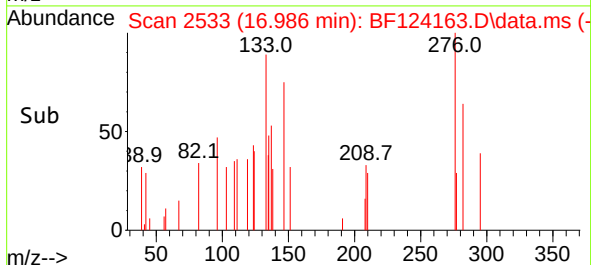
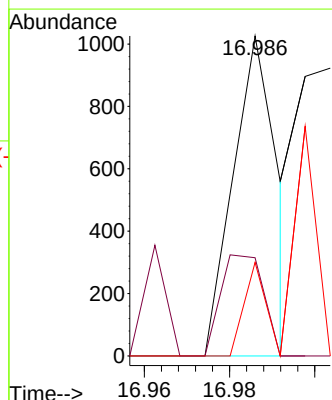
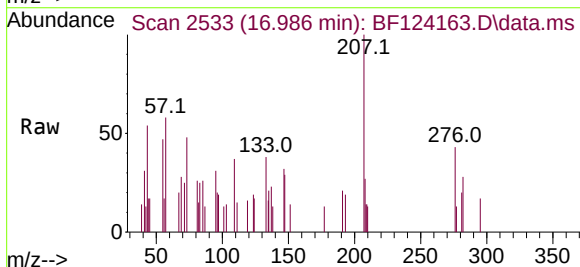
Instrument :
BNA_F
ClientSampleId :
BSS-SOIL-PILE

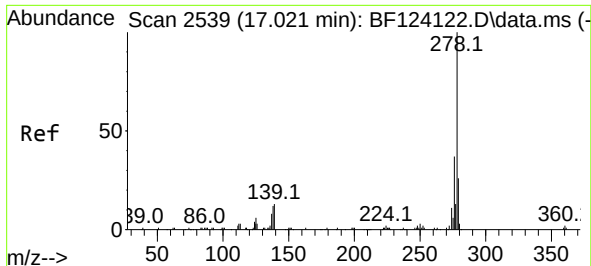
Tgt Ion:264 Resp: 92682
Ion Ratio Lower Upper
264 100
260 25.8 18.7 28.1
265 21.0 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.42 ng
RT: 16.986 min Scan# 2533
Delta R.T. -0.017 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

Tgt Ion:276 Resp: 743
Ion Ratio Lower Upper
276 100
138 30.4 16.2 24.2#
277 49.3 20.1 30.1#

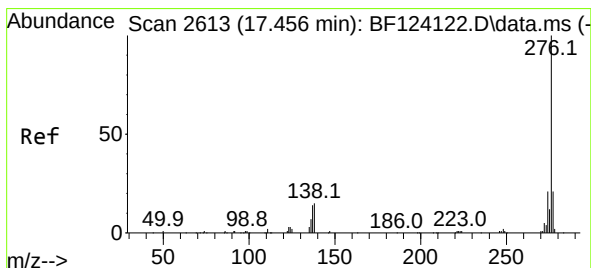
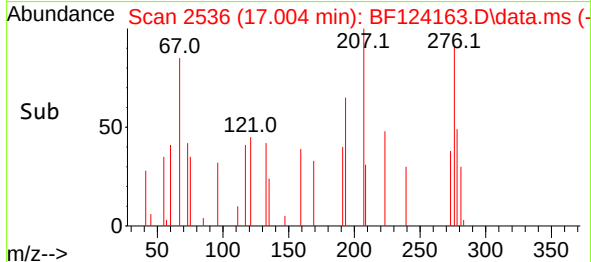
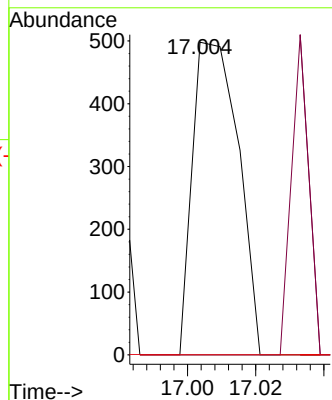
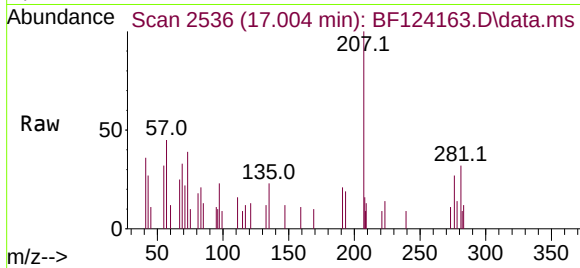




#91
Dibenzo(a,h)anthracene
Concen: 4.24 ng
RT: 17.004 min Scan# 2536
Delta R.T. -0.017 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

Instrument :
BNA_F
ClientSampleId :
BSS-SOIL-PILE

Tgt Ion:278 Resp: 464
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.2#
279 0.0 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 4.02 ng
RT: 17.451 min Scan# 2612
Delta R.T. -0.005 min
Lab File: BF124163.D
Acq: 7 Jun 2021 18:36

Tgt Ion:276 Resp: 1537
Ion Ratio Lower Upper
276 100
277 0.0 18.2 27.2#
138 0.0 13.8 20.6#

