

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072321\
 Data File : BF124707.D
 Acq On : 23 Jul 2021 10:55
 Operator : JU/CG
 Sample : M3119-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOP-SOIL-GRILLIO-1

Quant Time: Jul 23 12:06:23 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 22 15:28:57 2021
 Response via : Initial Calibration

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

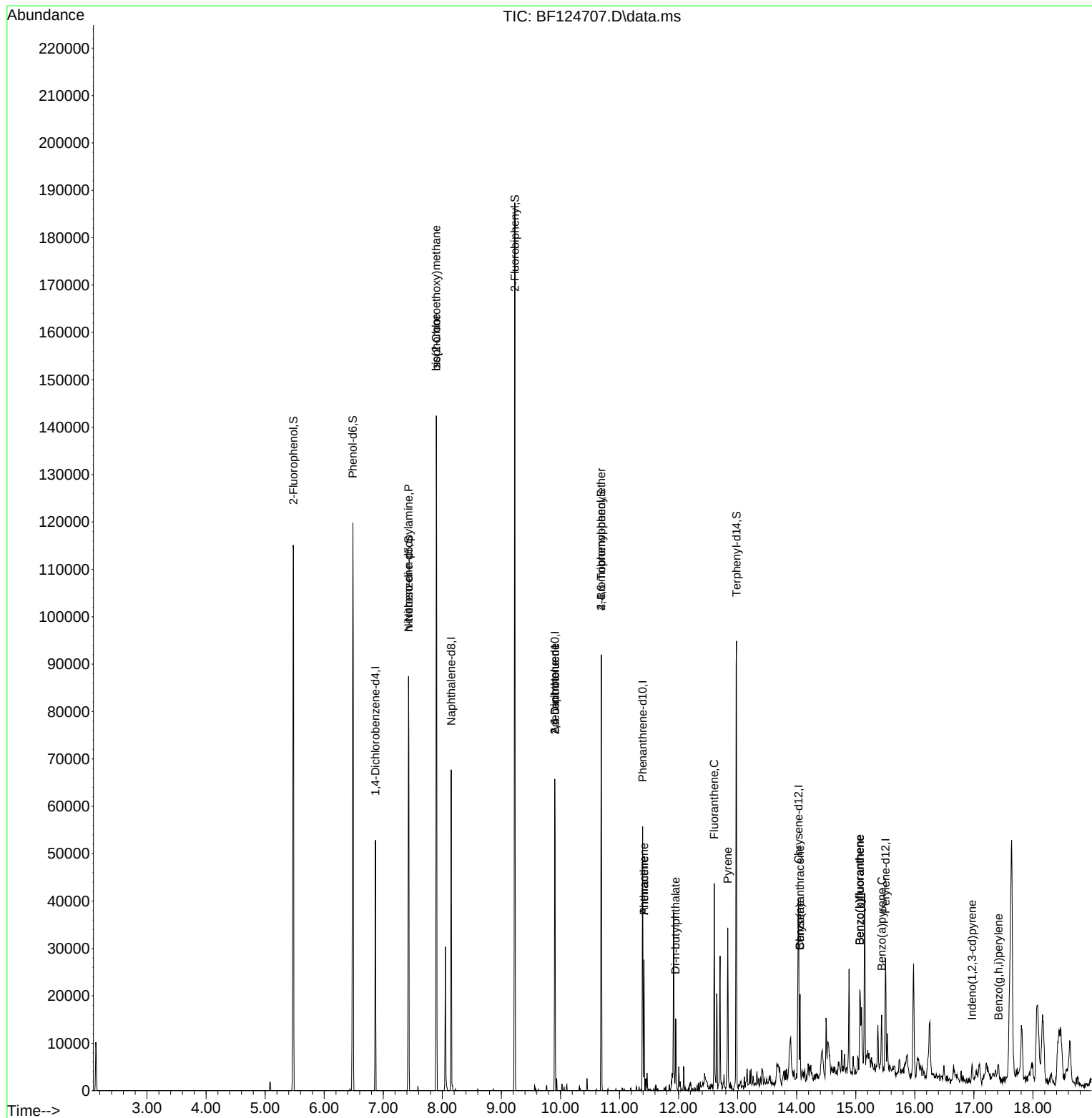
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	6951	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	27683	20.000	ng	# 0.00
39) Acenaphthene-d10	9.904	164	13131	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	19377	20.000	ng	0.00
76) Chrysene-d12	14.033	240	13170	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	11325	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	33705	82.100	ng	0.00
7) Phenol-d6	6.487	99	41755	81.130	ng	-0.01
23) Nitrobenzene-d5	7.428	82	26069	56.048	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	8109	71.925	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	50334	56.300	ng	0.00
79) Terphenyl-d14	12.980	244	31529	41.037	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	3600	13.099	ng	# 75
25) Isophorone	7.898	82	1897	2.307	ng	# 1
28) bis(2-Chloroethoxy)met...	7.898	93	2797	5.852	ng	# 1
51) 2,6-Dinitrotoluene	9.904	165	1704	8.531	ng	# 26
57) 2,4-Dinitrotoluene	9.904	165	1704	6.286	ng	# 18
67) 4-Bromophenyl-phenylether	10.692	248	631	3.071	ng	# 1
71) Phenanthrene	11.416	178	9972	9.568	ng	95
72) Anthracene	11.416	178	9972	9.571	ng	97
74) Di-n-butylphthalate	11.951	149	6974	5.361	ng	99
75) Fluoranthene	12.604	202	16061	15.102	ng	97
78) Pyrene	12.833	202	13595	13.039	ng	95
81) Benzo(a)anthracene	14.057	228	7249	8.420	ng	95
83) Chrysene	14.057	228	7249	8.740	ng	96
87) Indeno(1,2,3-cd)pyrene	16.968	276	3130	4.787	ng	# 79
88) Benzo(b)fluoranthene	15.068	252	11871	14.888	ng	# 88
89) Benzo(k)fluoranthene	15.068	252	11871	16.294	ng	# 86
90) Benzo(a)pyrene	15.439	252	6076	9.122	ng	98
92) Benzo(g,h,i)perylene	17.415	276	2897	5.337	ng	# 87

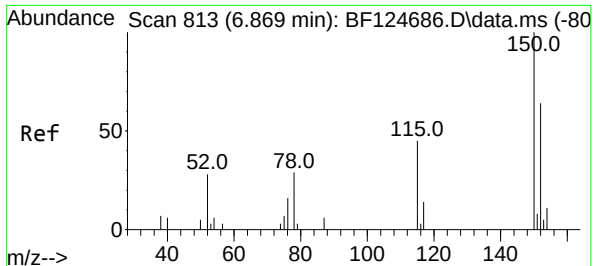
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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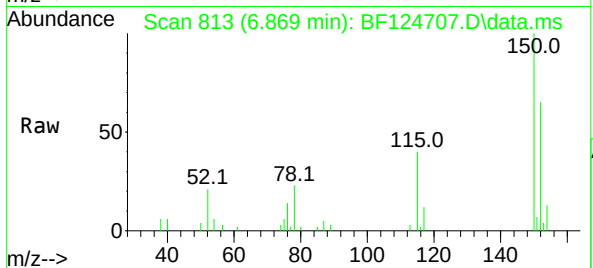
Quant Time: Jul 23 12:06:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 15:28:57 2021
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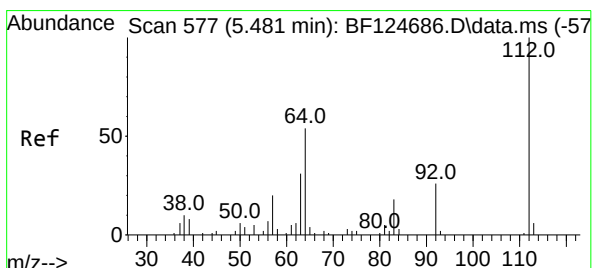
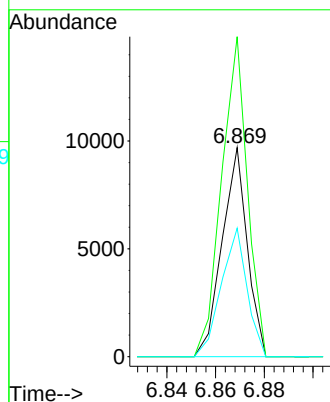
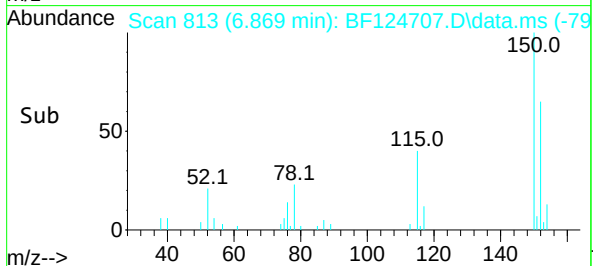


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

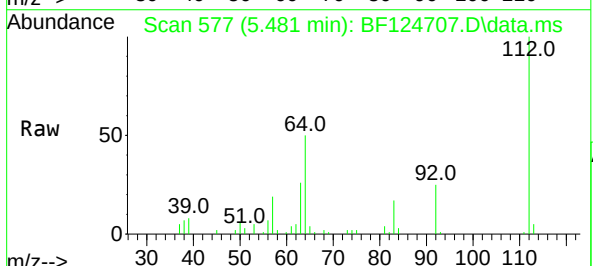
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BNA_F
ClientSampleId :
TOP-SOIL-GRILLIO-1



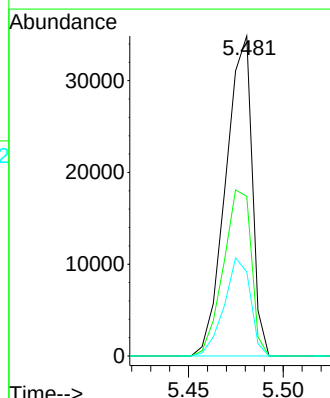
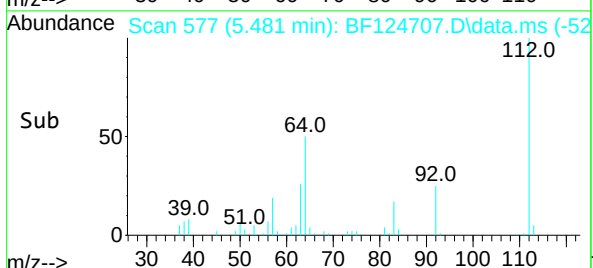
Tgt Ion:152 Resp: 6951
Ion Ratio Lower Upper
152 100
150 153.1 117.6 176.4
115 61.4 47.1 70.7

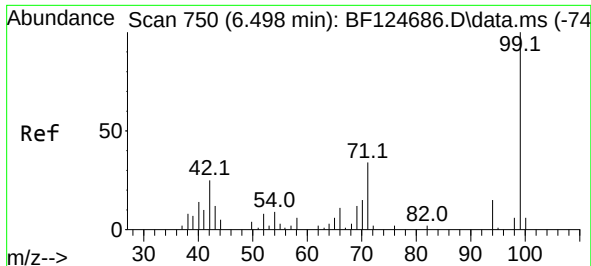


#5
2-Fluorophenol
Concen: 82.100 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55



Tgt Ion:112 Resp: 33705
Ion Ratio Lower Upper
112 100
64 49.9 44.2 66.2
63 26.3 26.2 39.2

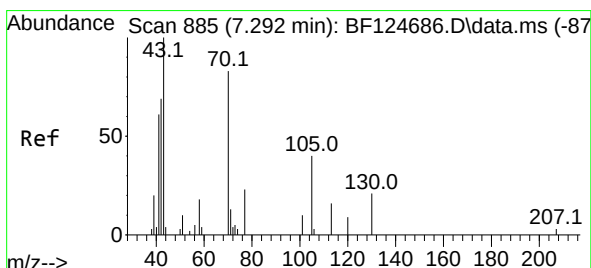
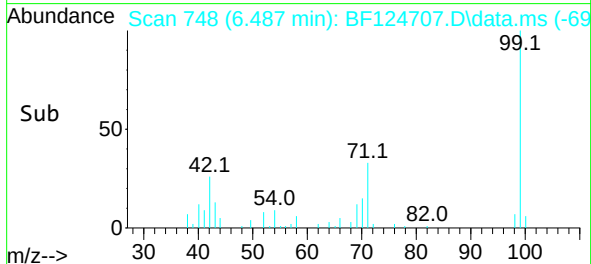
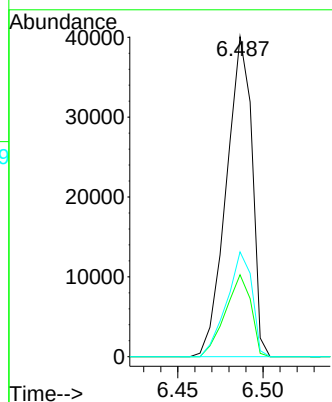
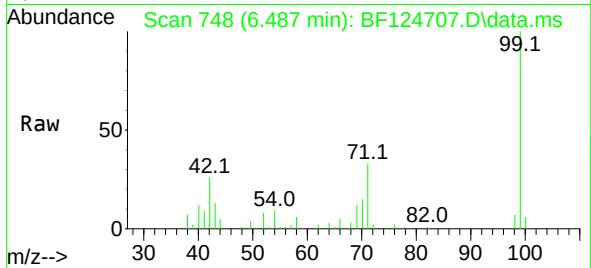




#7
Phenol-d6
Concen: 81.130 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

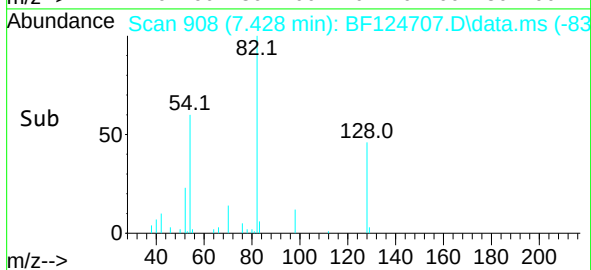
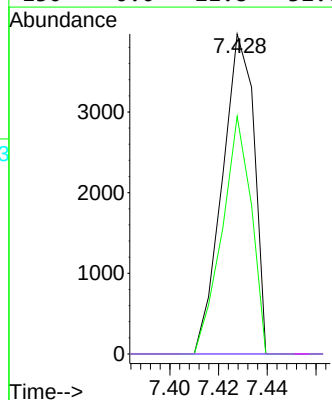
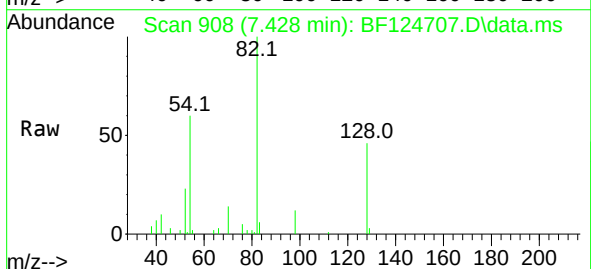
Instrument :
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ClientSampleId :
TOP-SOIL-GRILLIO-1

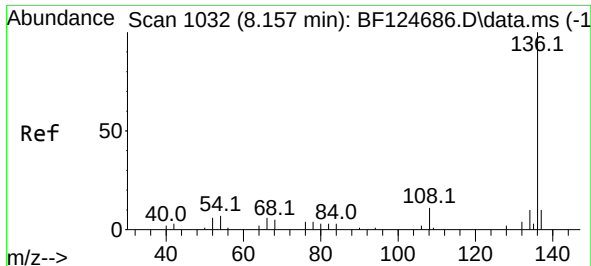
Tgt Ion:	99	Resp:	41755
Ion	Ratio	Lower	Upper
99	100		
42	25.6	23.5	35.3
71	32.8	25.6	38.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.099 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

Tgt Ion:	70	Resp:	3600
Ion	Ratio	Lower	Upper
70	100		
42	74.2	72.2	108.2
101	0.0	7.8	11.8#
130	0.0	21.8	32.6#

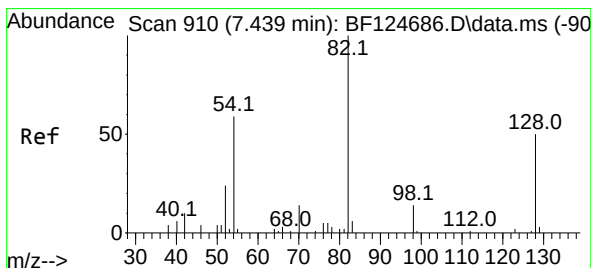
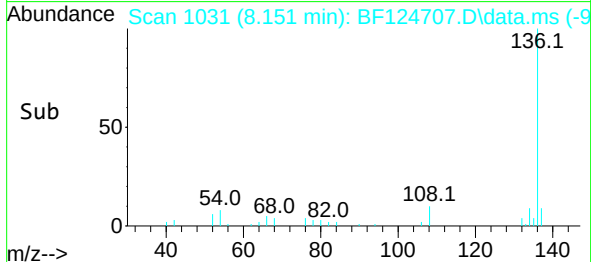
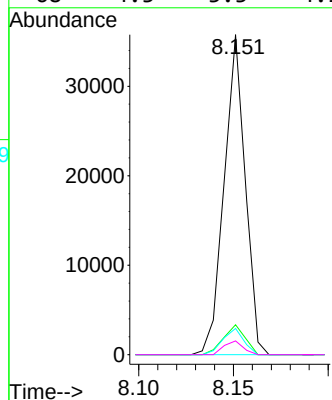
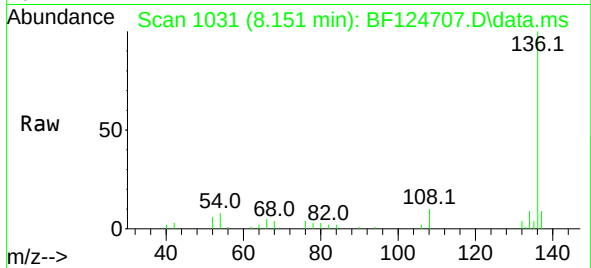




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

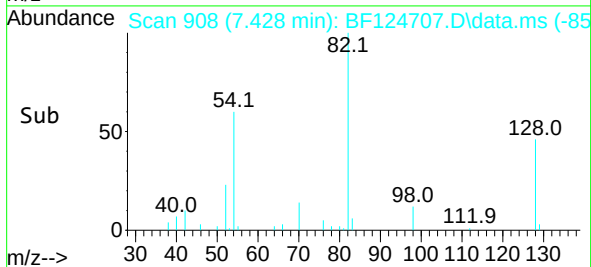
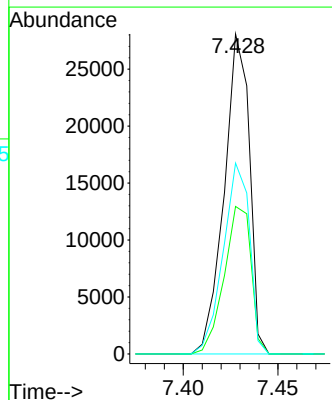
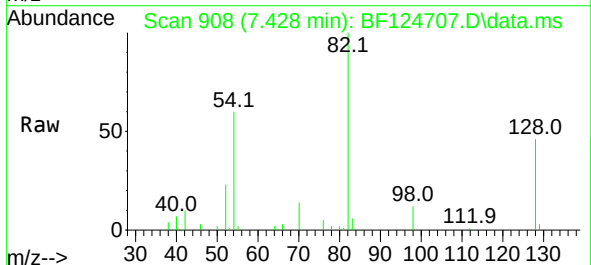
Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-GRILLIO-1

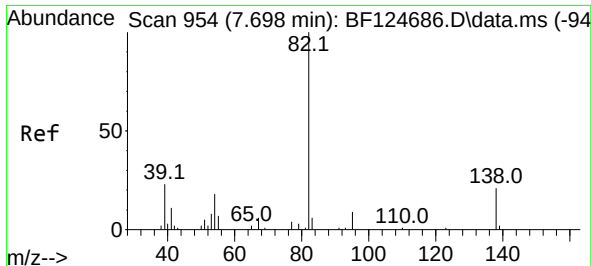
Tgt Ion:	136	Resp:	27683
Ion Ratio	Lower	Upper	
136	100		
137	9.4	9.8	14.6#
54	8.2	6.4	9.6
68	4.3	3.3	4.9



#23
Nitrobenzene-d5
Concen: 56.048 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

Tgt Ion:	82	Resp:	26069
Ion Ratio	Lower	Upper	
82	100		
128	46.1	40.6	60.8
54	59.6	49.6	74.4

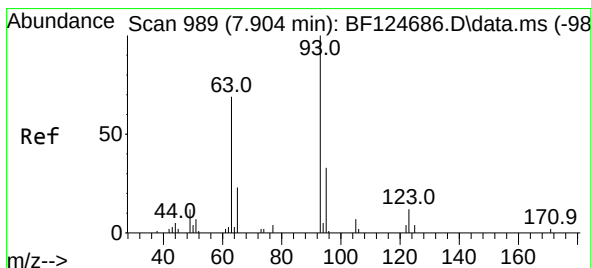
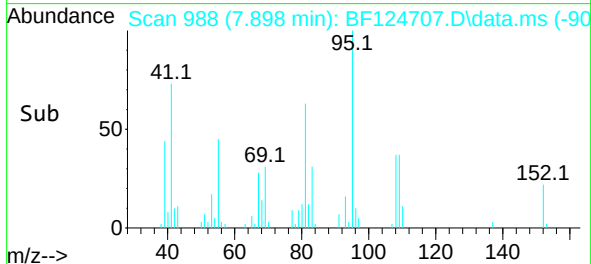
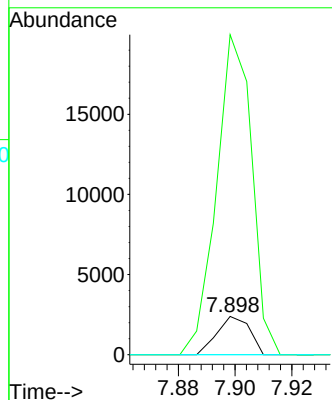
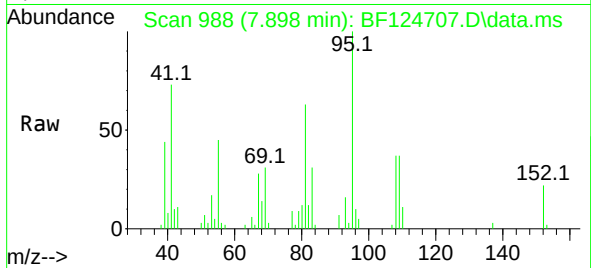




#25
Isophorone
Concen: 2.307 ng
RT: 7.898 min Scan# 988
Delta R.T. 0.200 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

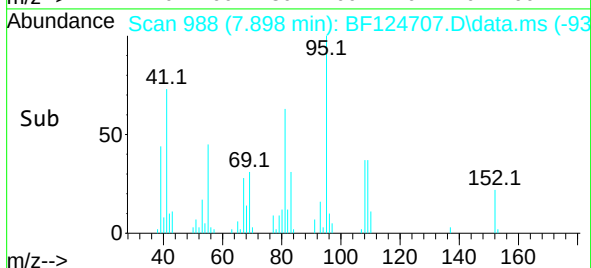
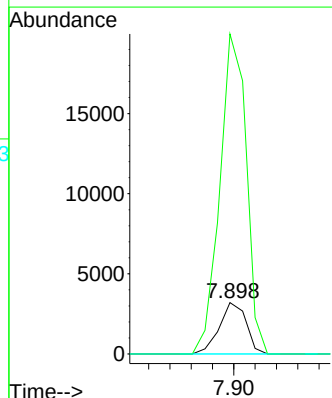
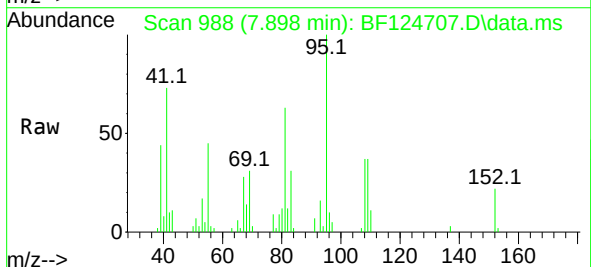
Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-GRILLIO-1

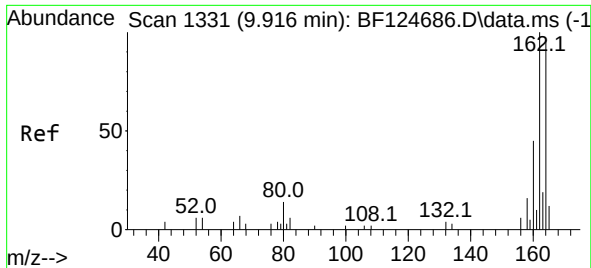
Tgt Ion: 82 Resp: 1897
Ion Ratio Lower Upper
82 100
95 837.9 6.5 9.7#
138 0.0 18.4 27.6#



#28
bis(2-Chloroethoxy)methane
Concen: 5.852 ng
RT: 7.898 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

Tgt Ion: 93 Resp: 2797
Ion Ratio Lower Upper
93 100
95 623.8 26.1 39.1#
123 0.0 11.7 17.5#

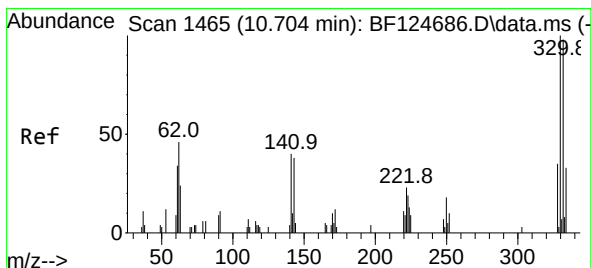
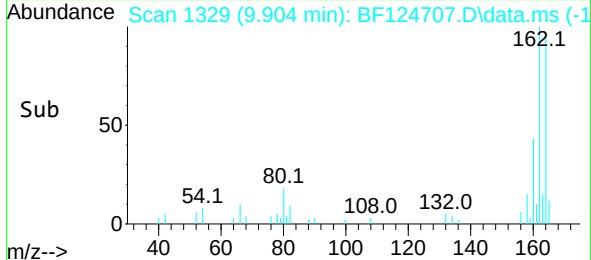
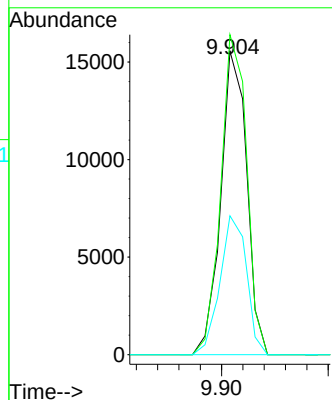
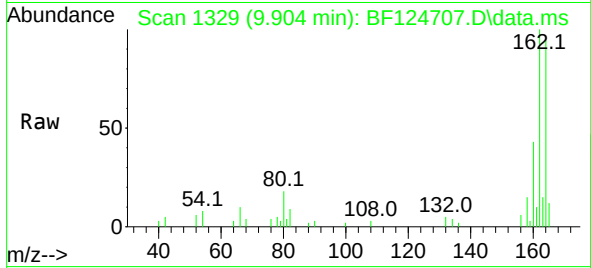




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

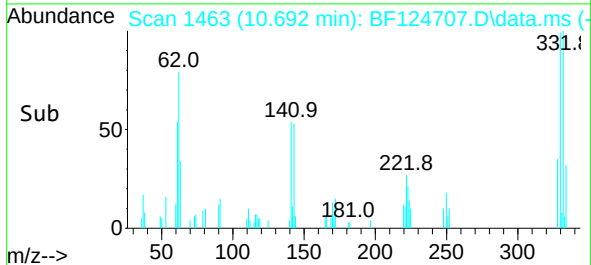
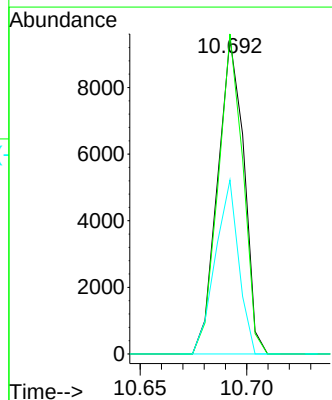
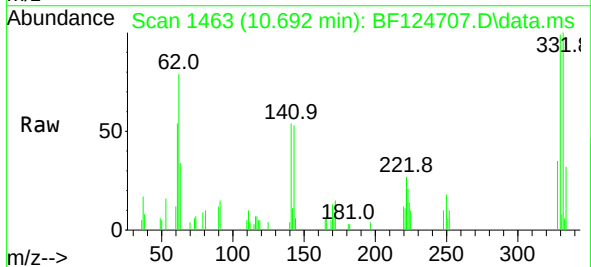
Instrument :
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ClientSampleId :
TOP-SOIL-GRILLIO-1

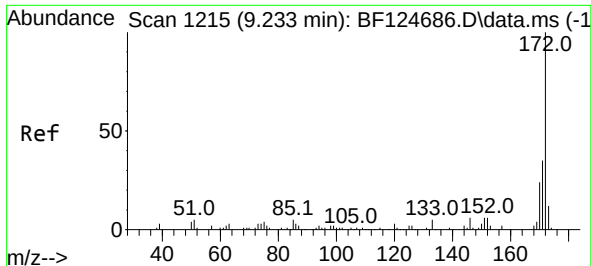
Tgt Ion:164 Resp: 13131
Ion Ratio Lower Upper
164 100
162 105.5 81.3 121.9
160 45.7 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 71.925 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.012 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

Tgt Ion:330 Resp: 8109
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 49.1 44.6 66.8

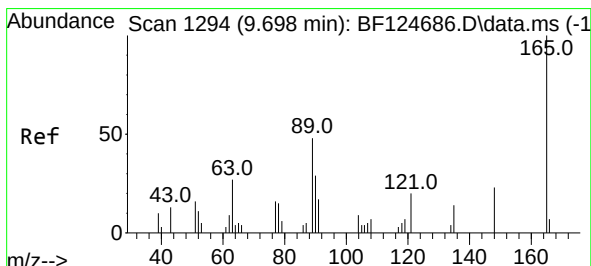
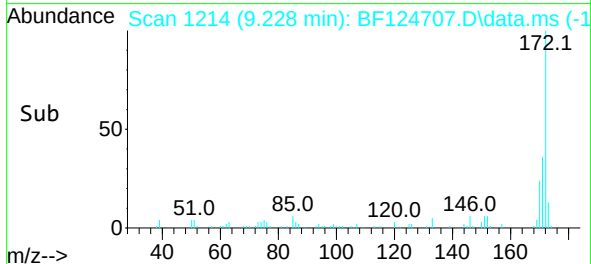
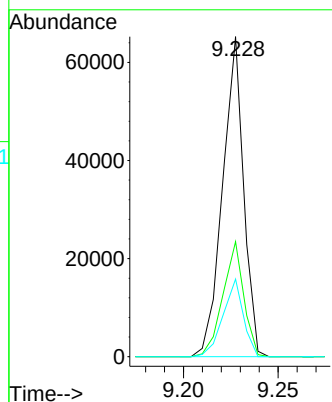
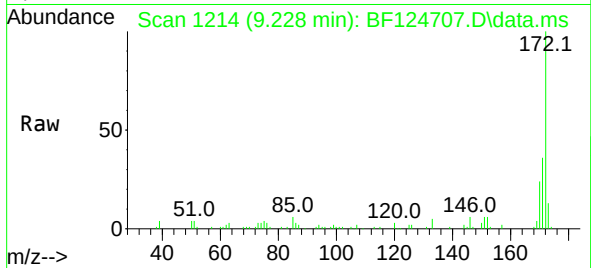




#45
2-Fluorobiphenyl
Concen: 56.300 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

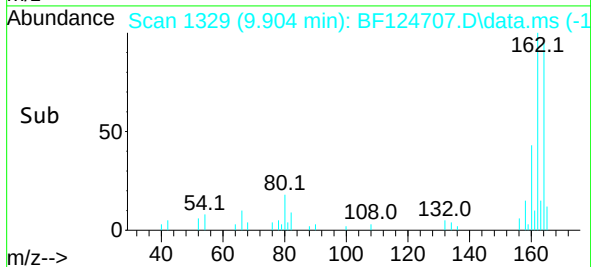
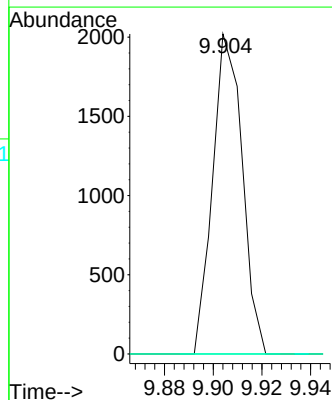
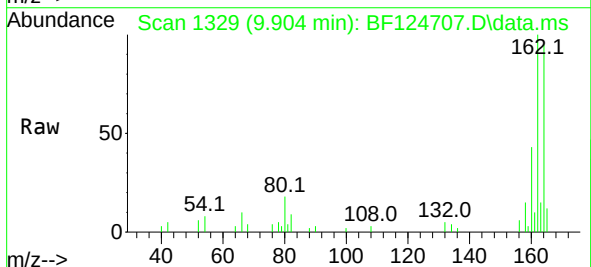
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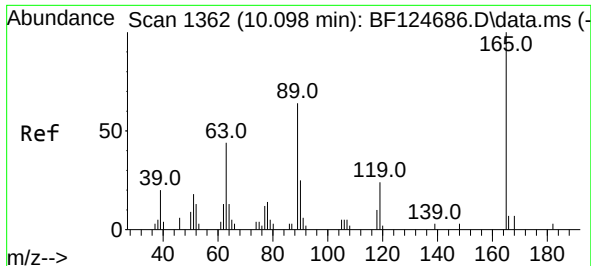
Tgt Ion:172 Resp: 50334
Ion Ratio Lower Upper
172 100
171 35.9 26.5 39.7
170 24.3 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 8.531 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.206 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

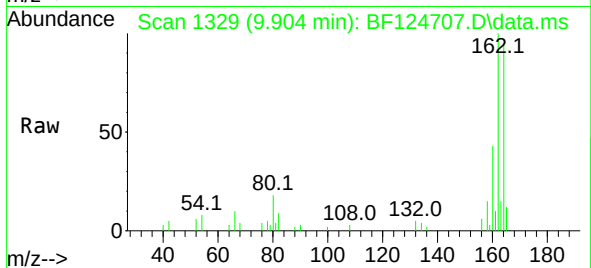
Tgt Ion:165 Resp: 1704
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 40.6 60.8#



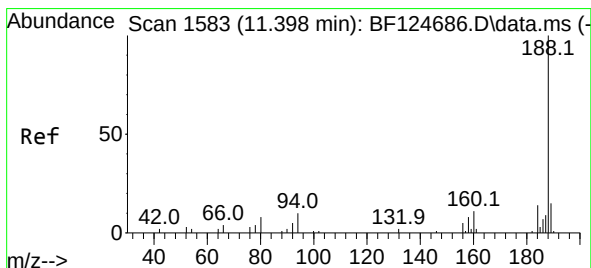
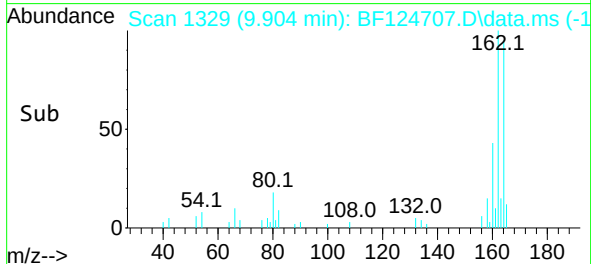
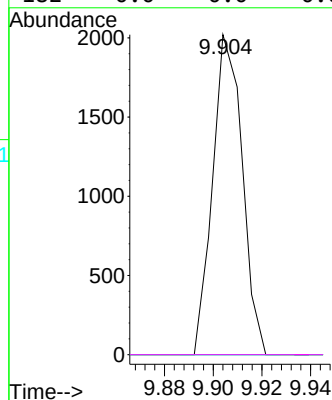


#57
2,4-Dinitrotoluene
Concen: 6.286 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-GRILLIO-1

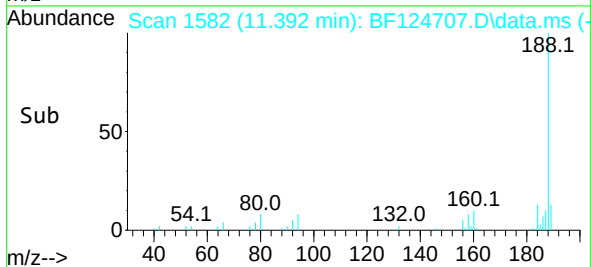
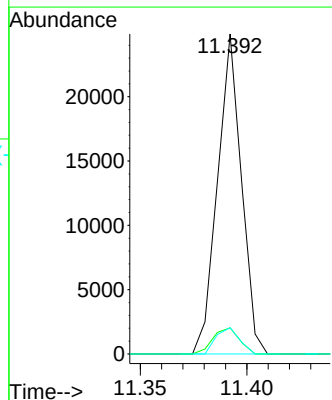
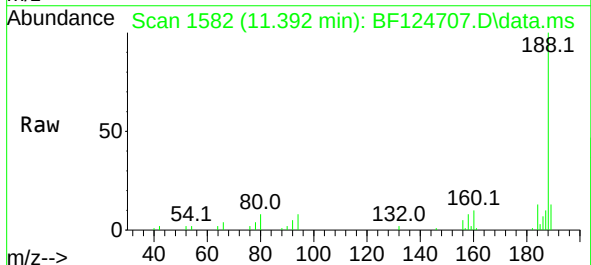


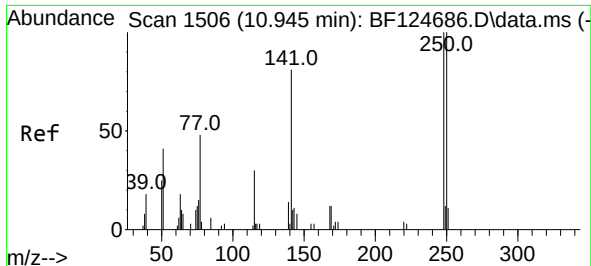
Tgt Ion:165	Resp:	1704
Ion Ratio	Lower	Upper
165	100	
63	0.0	40.9 61.3#
89	0.0	59.7 89.5#
182	0.0	0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

Tgt Ion:188	Resp:	19377
Ion Ratio	Lower	Upper
188	100	
94	8.2	6.7 10.1
80	8.2	7.5 11.3

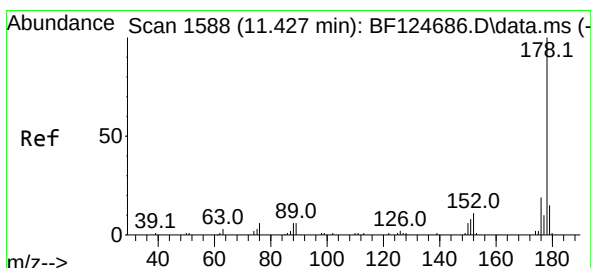
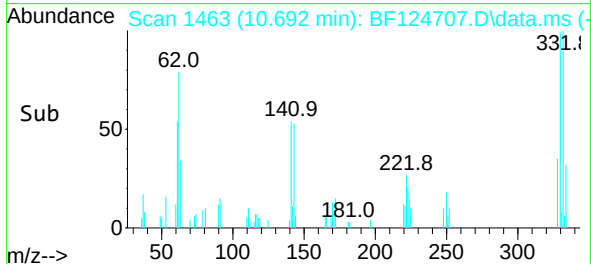
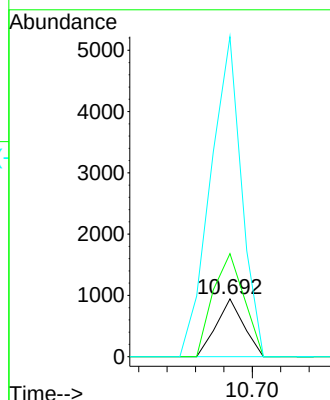
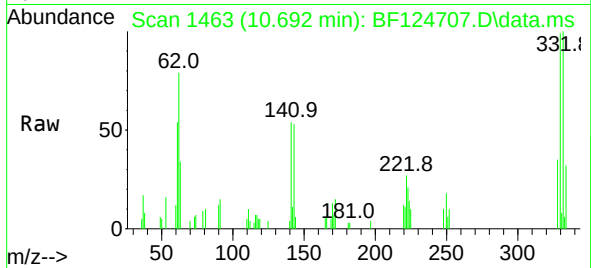




#67
4-Bromophenyl-phenylether
Concen: 3.071 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.253 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

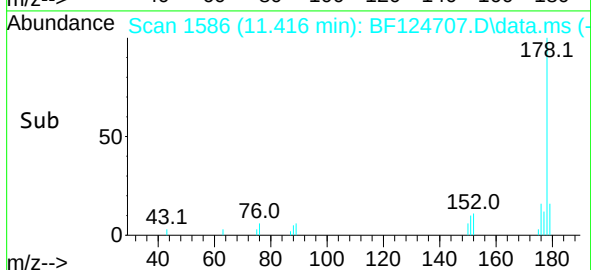
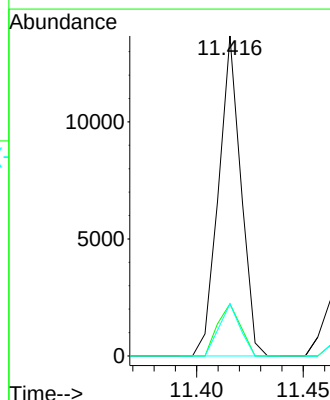
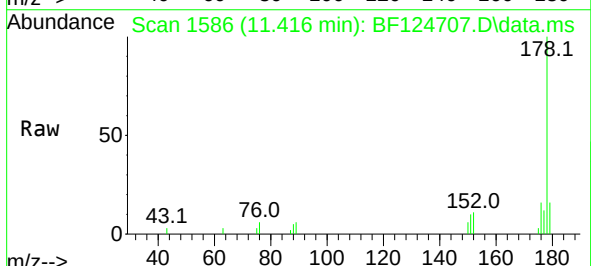
Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-GRILLIO-1

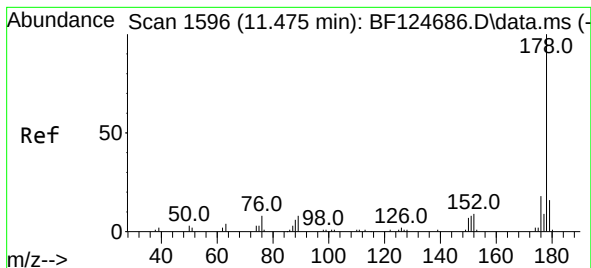
Tgt Ion:248 Resp: 631
Ion Ratio Lower Upper
248 100
250 178.4 74.2 111.4#
141 553.8 60.4 90.6#



#71
Phenanthrene
Concen: 9.568 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

Tgt Ion:178 Resp: 9972
Ion Ratio Lower Upper
178 100
176 16.3 14.7 22.1
179 16.3 11.5 17.3

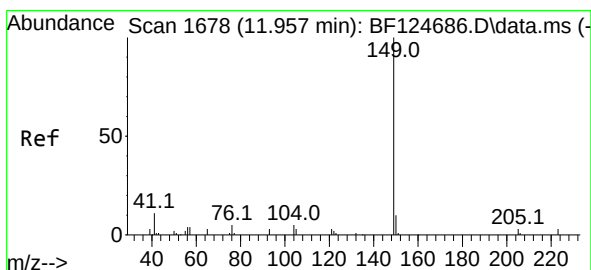
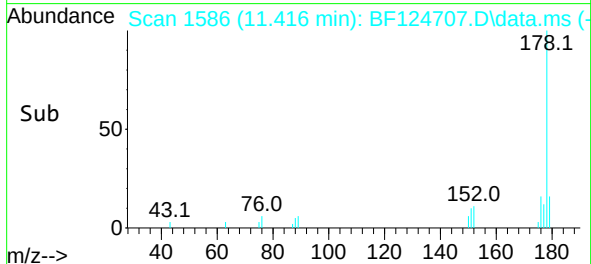
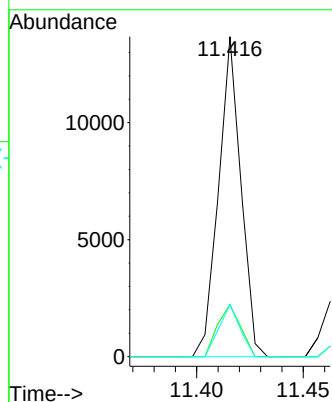
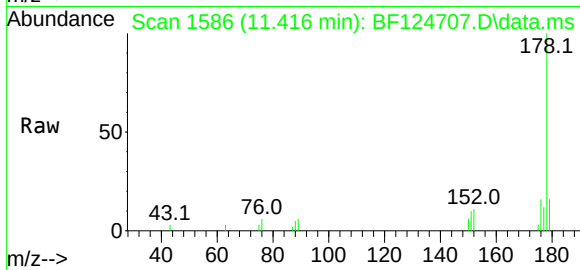




#72
 Anthracene
 Concen: 9.571 ng
 RT: 11.416 min Scan# 1586
 Delta R.T. -0.059 min
 Lab File: BF124707.D
 Acq: 23 Jul 2021 10:55

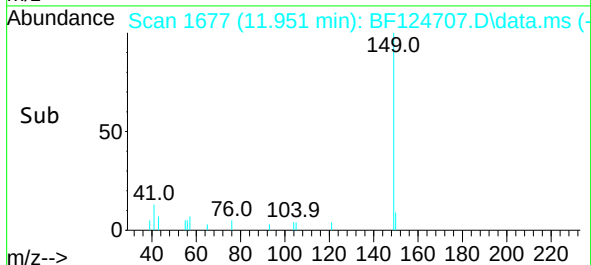
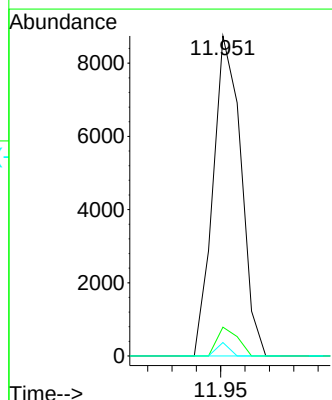
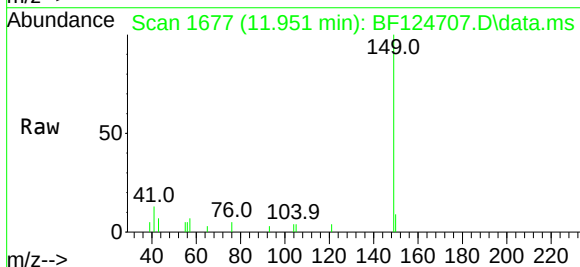
Instrument :
 BNA_F
 ClientSampleId :
 TOP-SOIL-GRILLIO-1

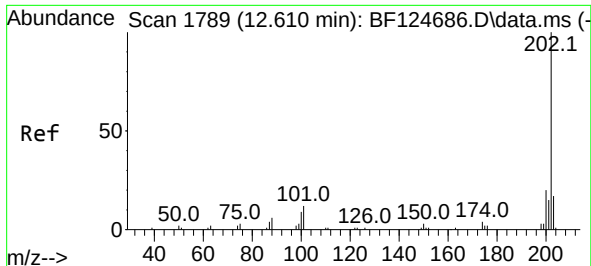
Tgt Ion:178 Resp: 9972
 Ion Ratio Lower Upper
 178 100
 176 16.3 14.3 21.5
 179 16.3 12.2 18.4



#74
 Di-n-butylphthalate
 Concen: 5.361 ng
 RT: 11.951 min Scan# 1677
 Delta R.T. -0.006 min
 Lab File: BF124707.D
 Acq: 23 Jul 2021 10:55

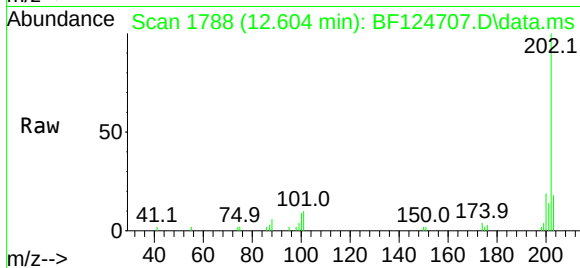
Tgt Ion:149 Resp: 6974
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.2
 104 4.2 4.1 6.1



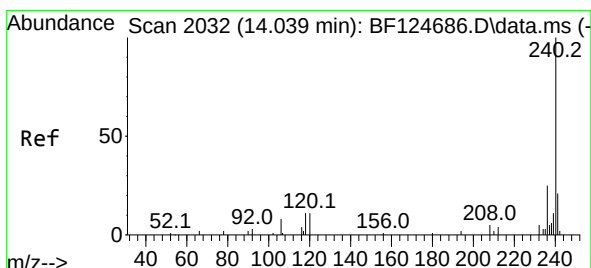
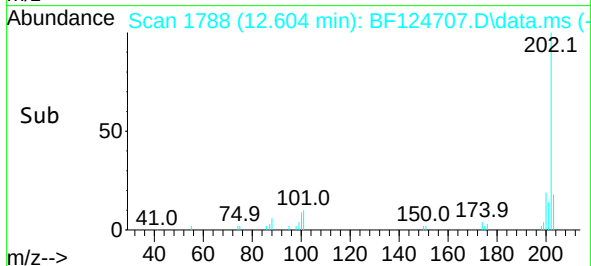
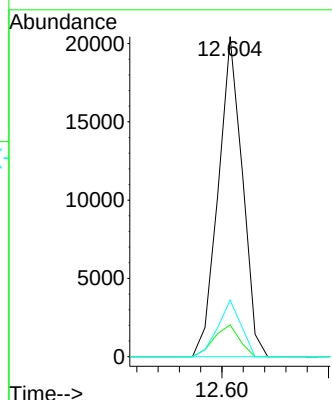


#75
Fluoranthene
Concen: 15.102 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-GRILLIO-1

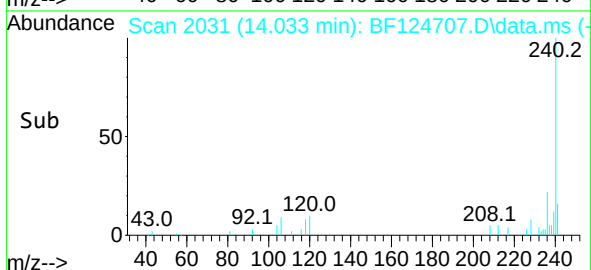
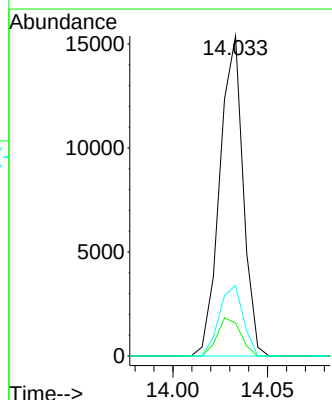
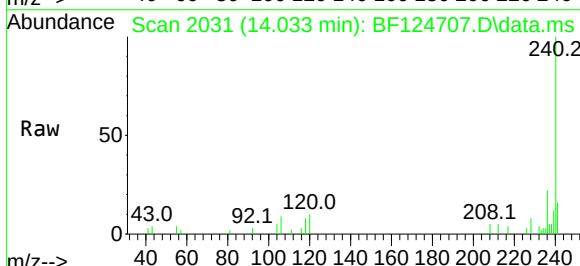


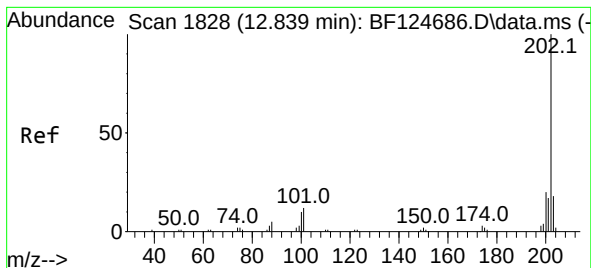
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.7
203	17.7	0.0	36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.3	10.8	16.2#
236	22.0	21.6	32.4

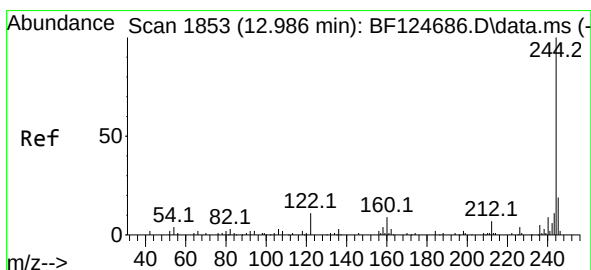
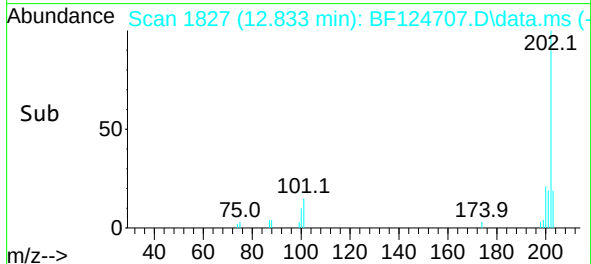
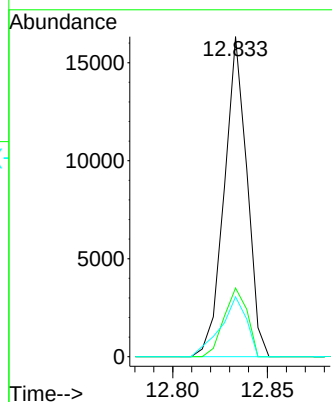
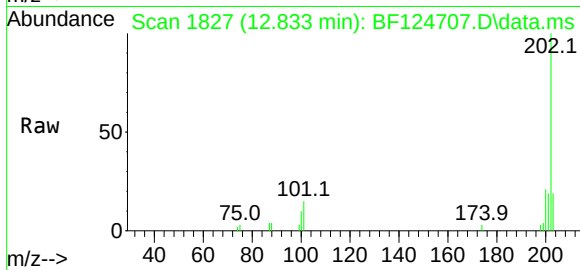




#78
Pyrene
Concen: 13.039 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

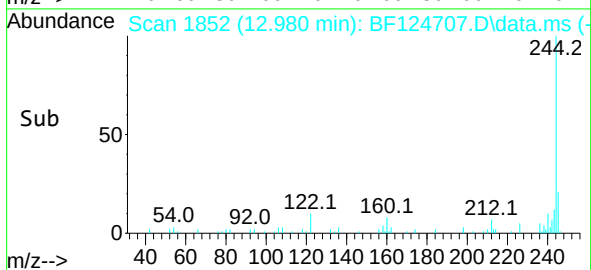
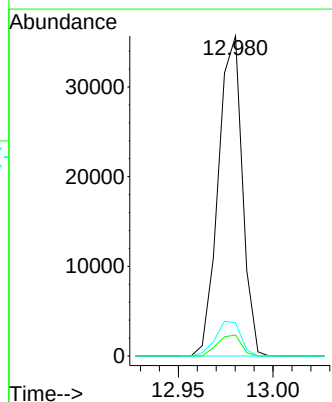
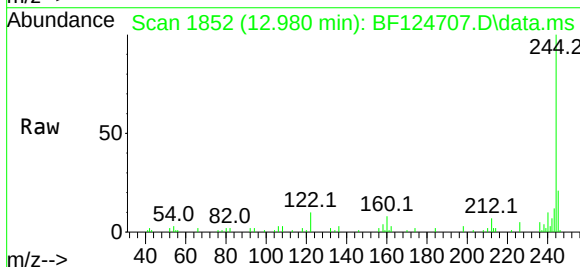
Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-GRILLIO-1

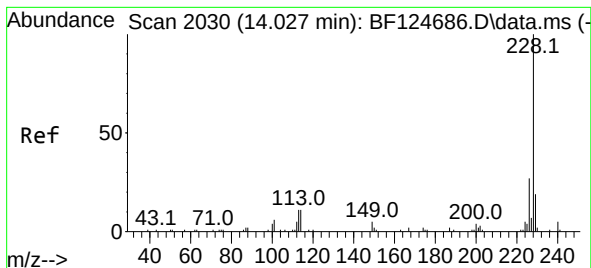
Tgt Ion:202 Resp: 13595
Ion Ratio Lower Upper
202 100
200 21.5 15.3 22.9
203 18.7 13.4 20.0



#79
Terphenyl-d14
Concen: 41.037 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

Tgt Ion:244 Resp: 31529
Ion Ratio Lower Upper
244 100
212 6.5 5.9 8.9
122 10.4 9.0 13.4





#81

Benzo(a)anthracene

Concen: 8.420 ng

RT: 14.057 min Scan# 2035

Delta R.T. 0.029 min

Lab File: BF124707.D

Acq: 23 Jul 2021 10:55

Instrument :

BNA_F

ClientSampleId :

TOP-SOIL-GRILLIO-1

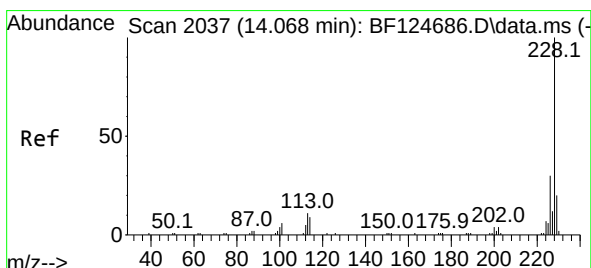
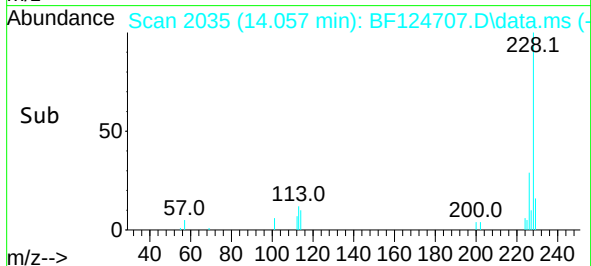
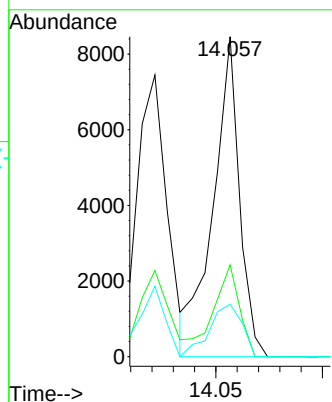
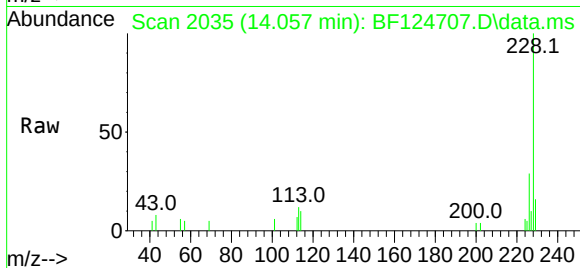
Tgt Ion:228 Resp: 7249

Ion Ratio Lower Upper

228 100

226 28.7 21.6 32.4

229 16.4 15.6 23.4



#83

Chrysene

Concen: 8.740 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF124707.D

Acq: 23 Jul 2021 10:55

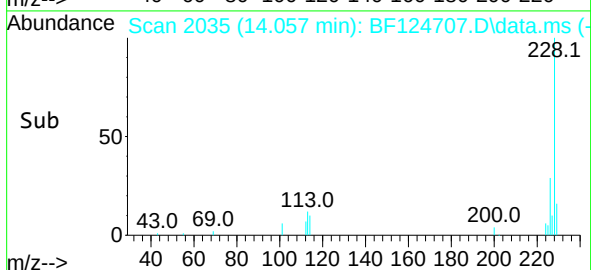
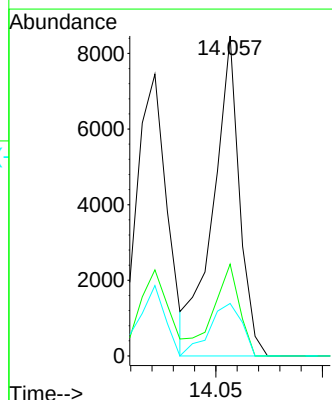
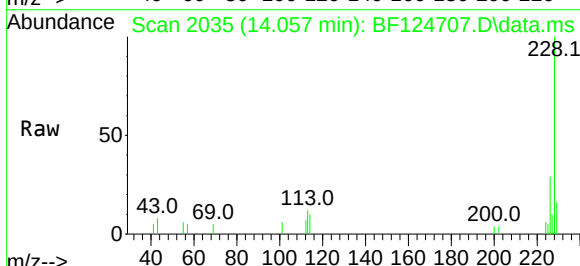
Tgt Ion:228 Resp: 7249

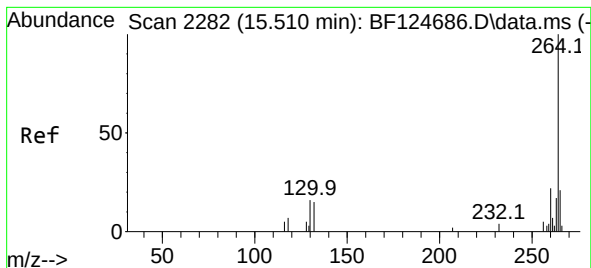
Ion Ratio Lower Upper

228 100

226 28.7 22.6 34.0

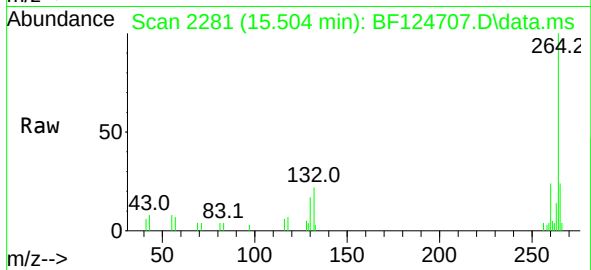
229 16.4 15.9 23.9



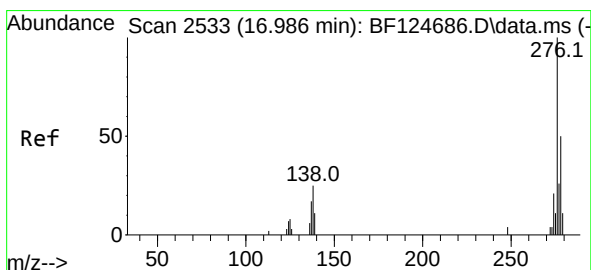
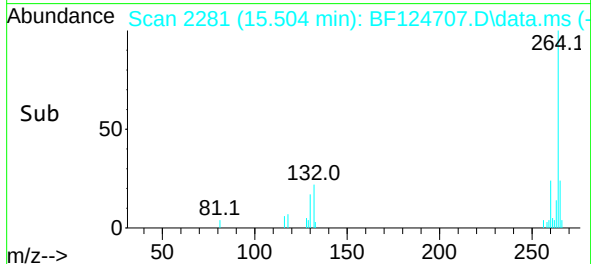
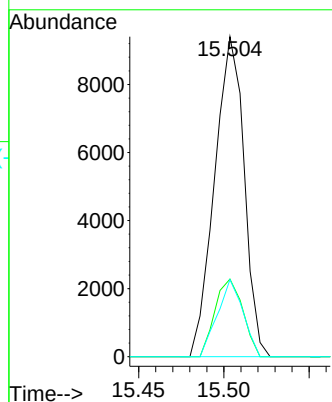


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2281
 Delta R.T. -0.006 min
 Lab File: BF124707.D
 Acq: 23 Jul 2021 10:55

Instrument :
 BNA_F
 ClientSampleId :
 TOP-SOIL-GRILLIO-1

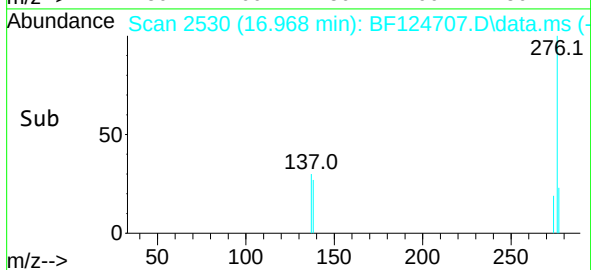
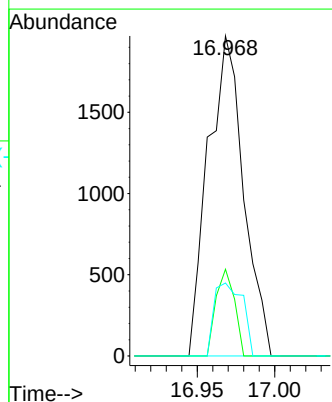
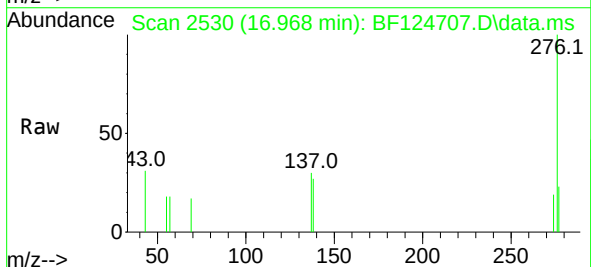


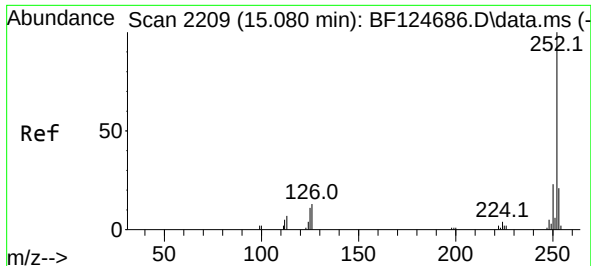
Tgt Ion:264 Resp: 11325
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.6 29.4
 265 24.1 17.2 25.8



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.787 ng
 RT: 16.968 min Scan# 2530
 Delta R.T. -0.018 min
 Lab File: BF124707.D
 Acq: 23 Jul 2021 10:55

Tgt Ion:276 Resp: 3130
 Ion Ratio Lower Upper
 276 100
 138 14.2 24.1 36.1#
 277 18.3 18.8 28.2#

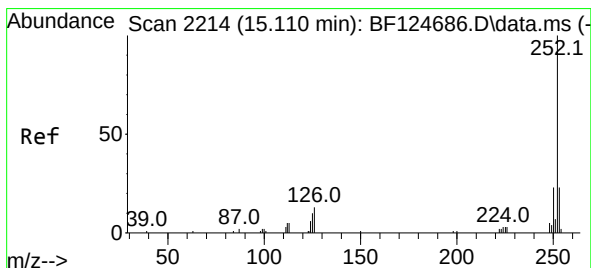
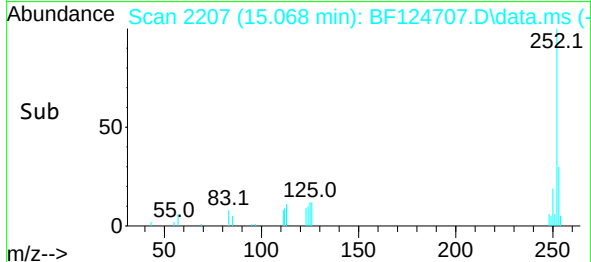
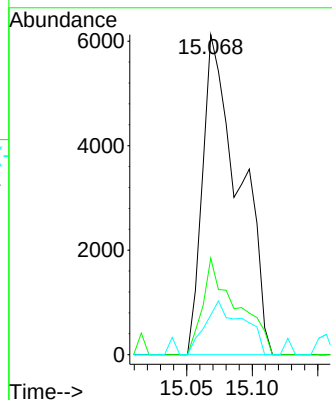
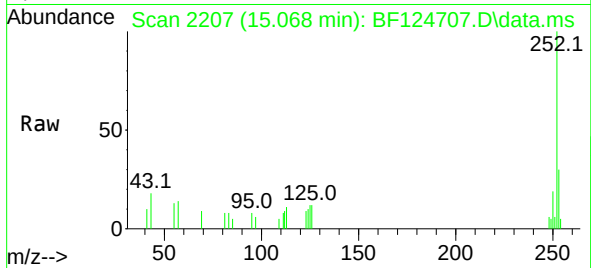




#88
Benzo(b)fluoranthene
Concen: 14.888 ng
RT: 15.068 min Scan# 2207
Delta R.T. -0.012 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

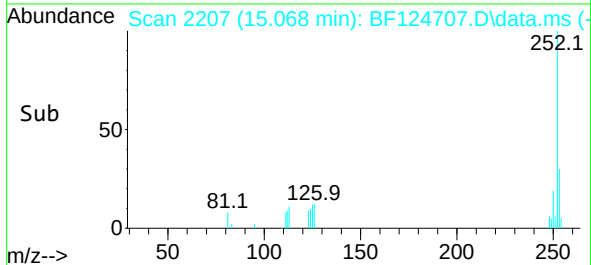
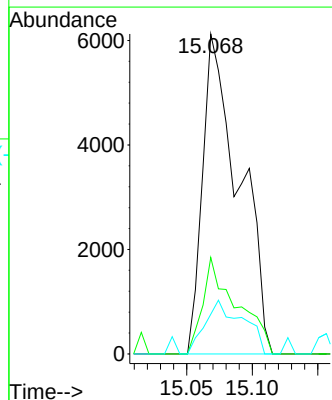
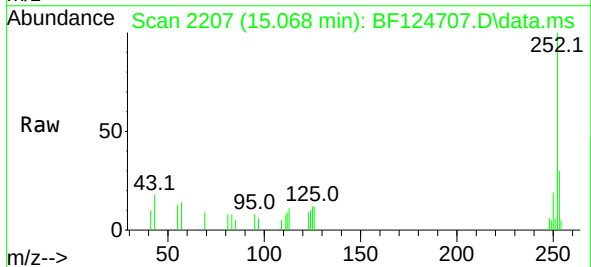
Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-GRILLIO-1

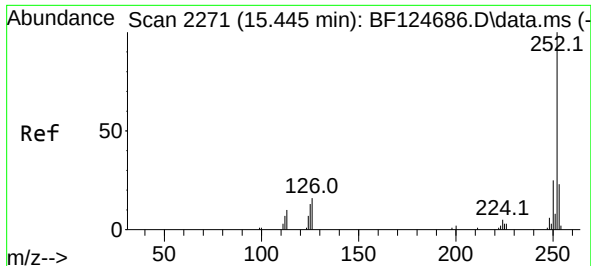
Tgt Ion:252 Resp: 11871
Ion Ratio Lower Upper
252 100
253 30.1 16.8 25.2#
125 12.4 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 16.294 ng
RT: 15.068 min Scan# 2207
Delta R.T. -0.041 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

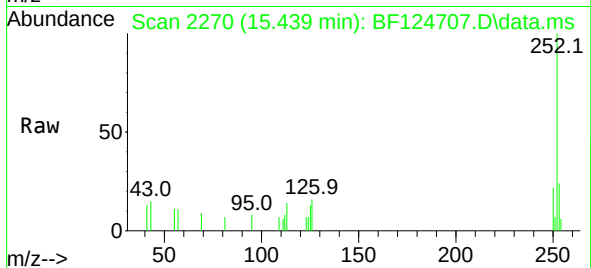
Tgt Ion:252 Resp: 11871
Ion Ratio Lower Upper
252 100
253 30.1 17.8 26.8#
125 12.4 7.2 10.8#



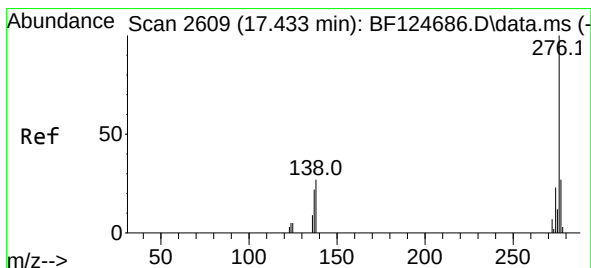
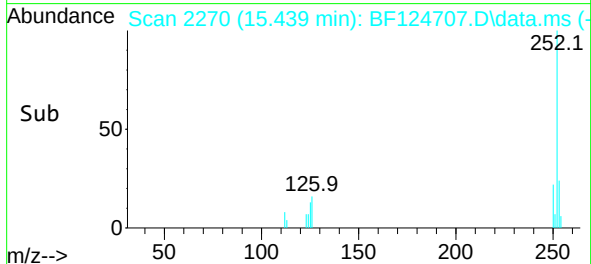
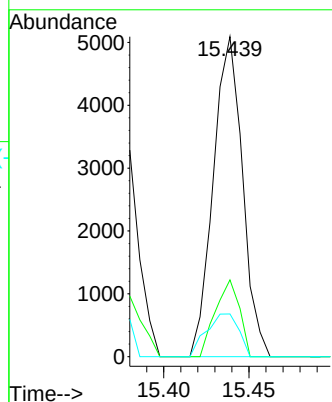


#90
Benzo(a)pyrene
Concen: 9.122 ng
RT: 15.439 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-GRILLIO-1



Tgt Ion:252 Resp: 6076
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 13.4 9.9 14.9



#92
Benzo(g,h,i)perylene
Concen: 5.337 ng
RT: 17.415 min Scan# 2606
Delta R.T. -0.018 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

Tgt Ion:276 Resp: 2897
Ion Ratio Lower Upper
276 100
277 37.7 22.0 33.0#
138 31.7 22.2 33.4

