

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013122\
 Data File : BF126765.D
 Acq On : 31 Jan 2022 21:35
 Operator : CG/JU
 Sample : N1310-01DL 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILEDL

Quant Time: Feb 01 02:43:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 27 03:09:40 2022
 Response via : Initial Calibration

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

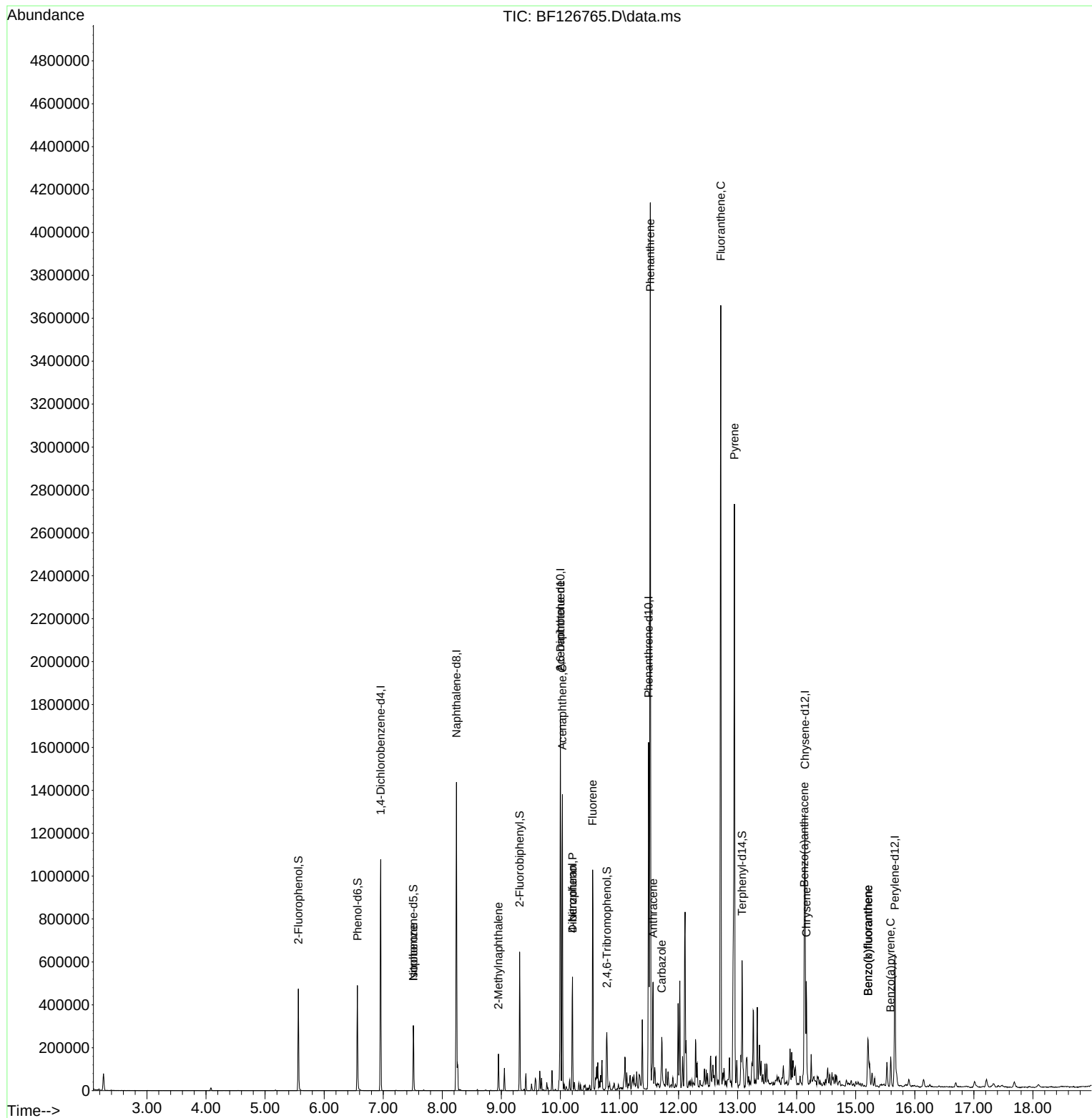
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	144756	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	579722	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	323453	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	565035	20.000	ng	0.00
76) Chrysene-d12	14.139	240	330949	20.000	ng	# 0.00
86) Perylene-d12	15.663	264	271971	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	116331	10.575	ng	0.00
7) Phenol-d6	6.563	99	161075	10.539	ng	-0.01
23) Nitrobenzene-d5	7.510	82	109107	7.367	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	13685	4.521	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	170459	8.071	ng	0.00
79) Terphenyl-d14	13.075	244	177488	8.995	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.510	82	106686	3.714	ng	# 69
37) 2-Methylnaphthalene	8.951	142	41261	2.118	ng	96
51) 2,6-Dinitrotoluene	9.998	165	42745	10.783	ng	# 21
52) Acenaphthene	10.034	154	261069	14.219	ng	96
55) Dibenzofuran	10.204	168	181357	6.573	ng	97
56) 4-Nitrophenol	10.204	139	67608	18.733	ng	# 7
58) Fluorene	10.545	166	263501	12.649	ng	100
71) Phenanthrene	11.522	178	1441013	44.639	ng	99
72) Anthracene	11.569	178	170483	5.264	ng	98
73) Carbazole	11.716	167	75304	2.476	ng	98
75) Fluoranthene	12.716	202	1463783	45.908	ng	96
78) Pyrene	12.945	202	1062550	39.702	ng	99
81) Benzo(a)anthracene	14.127	228	243121	10.808	ng	99
83) Chrysene	14.163	228	179793	8.307	ng	97
88) Benzo(b)fluoranthene	15.210	252	171394	9.503	ng	# 94
89) Benzo(k)fluoranthene	15.210	252	171394	9.679	ng	# 96
90) Benzo(a)pyrene	15.592	252	63975	4.360	ng	96

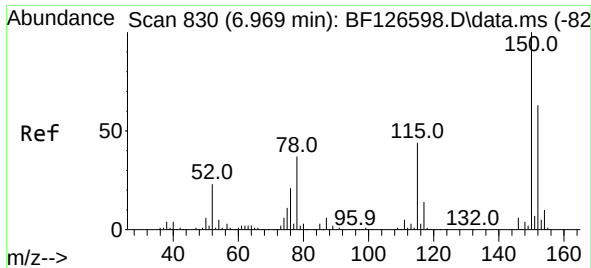
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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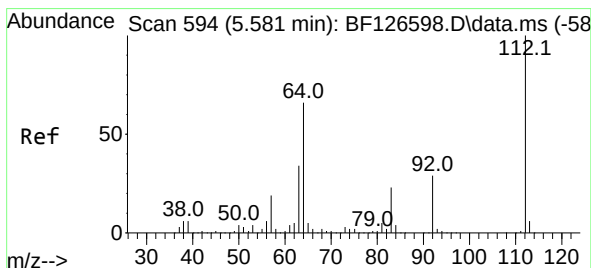
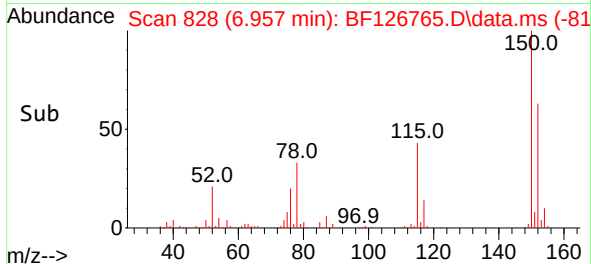
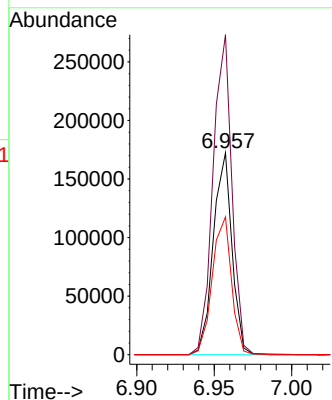
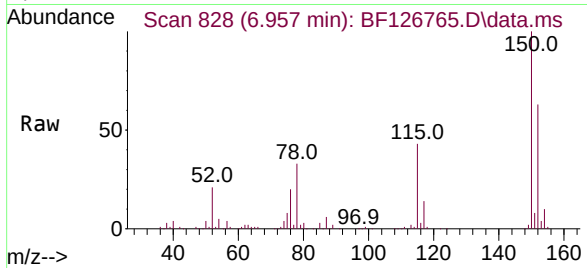




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

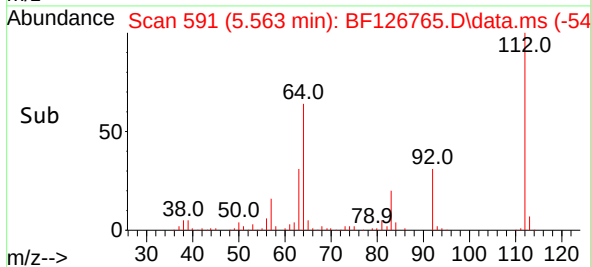
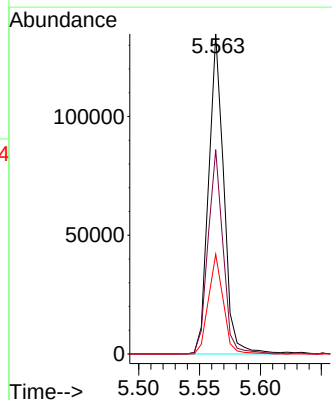
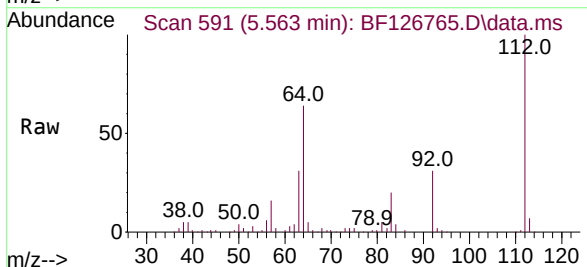
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEDL

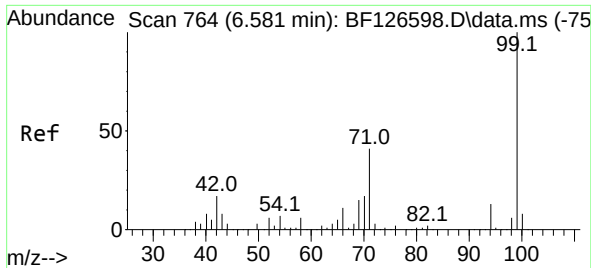
Tgt Ion:152 Resp: 144756
Ion Ratio Lower Upper
152 100
150 158.5 128.1 192.1
115 68.2 56.7 85.1



#5
2-Fluorophenol
Concen: 10.575 ng
RT: 5.563 min Scan# 591
Delta R.T. -0.006 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

Tgt Ion:112 Resp: 116331
Ion Ratio Lower Upper
112 100
64 63.8 49.5 74.3
63 31.2 23.9 35.9

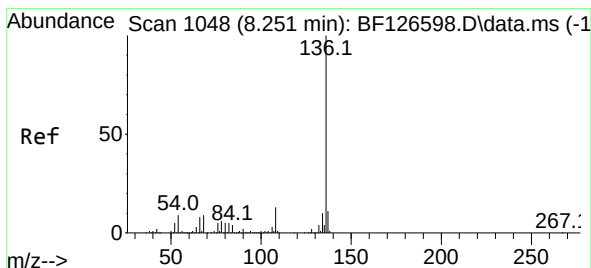
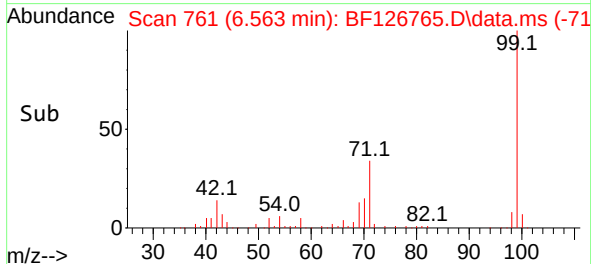
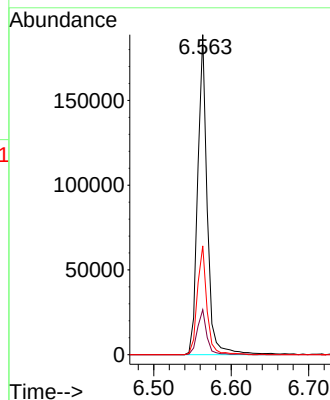
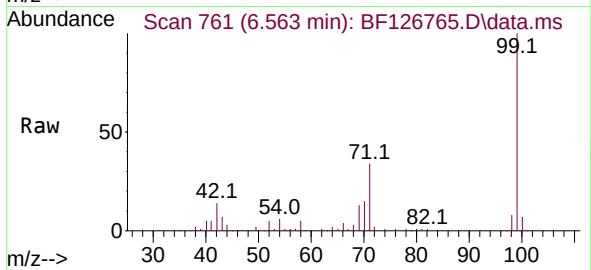




#7
Phenol-d6
Concen: 10.539 ng
RT: 6.563 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

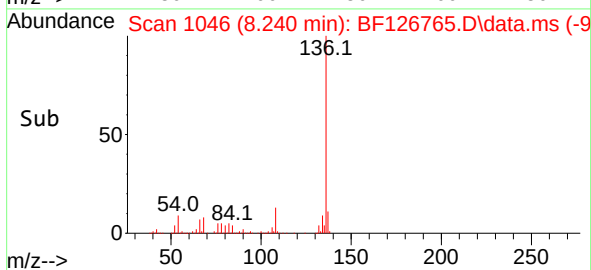
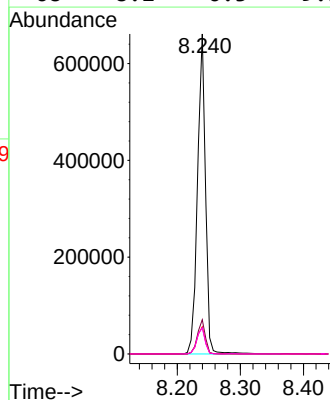
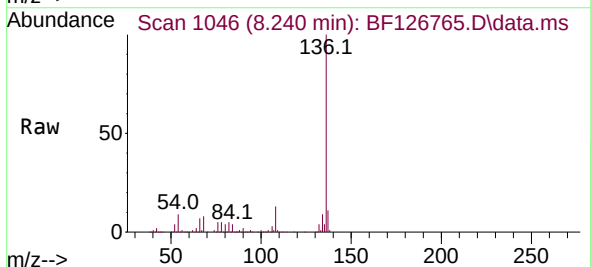
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEDL

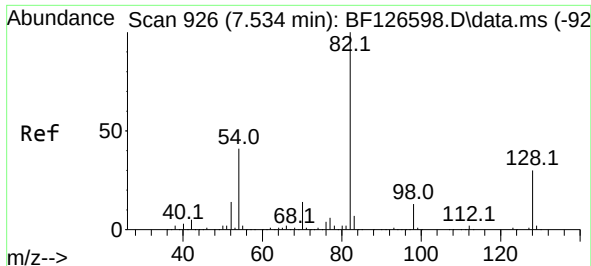
Tgt Ion: 99 Resp: 161075
Ion Ratio Lower Upper
99 100
42 14.0 14.2 21.4#
71 34.0 24.3 36.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1046
Delta R.T. 0.000 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

Tgt Ion: 136 Resp: 579722
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.5 7.8 11.6
68 8.2 6.3 9.5





#23

Nitrobenzene-d5

Concen: 7.367 ng

RT: 7.510 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF126765.D

Acq: 31 Jan 2022 21:35

Instrument :

BNA_F

ClientSampleId :

SOIL-PIEDL

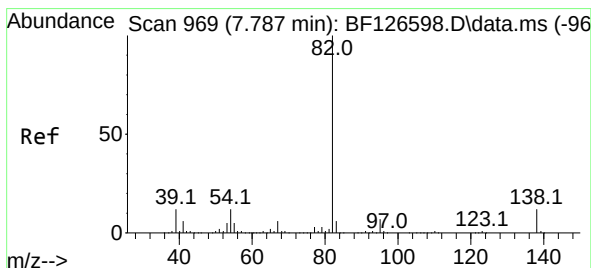
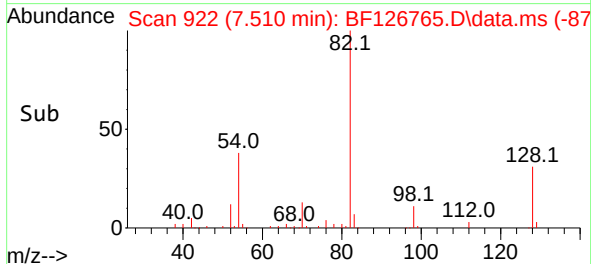
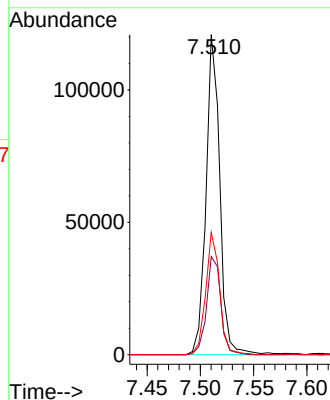
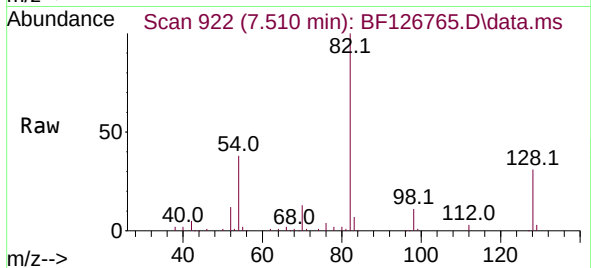
Tgt Ion: 82 Resp: 109107

Ion Ratio Lower Upper

82 100

128 30.6 32.7 49.1#

54 38.2 41.7 62.5#



#25

Isophorone

Concen: 3.714 ng

RT: 7.510 min Scan# 922

Delta R.T. -0.270 min

Lab File: BF126765.D

Acq: 31 Jan 2022 21:35

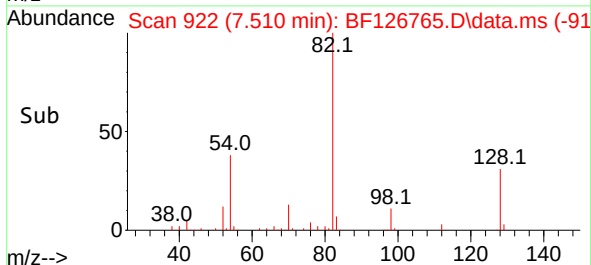
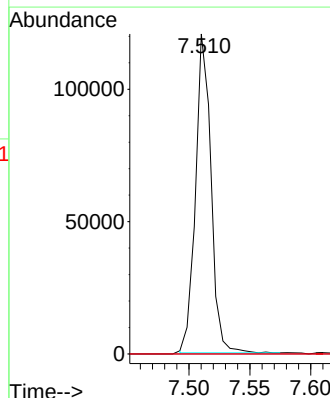
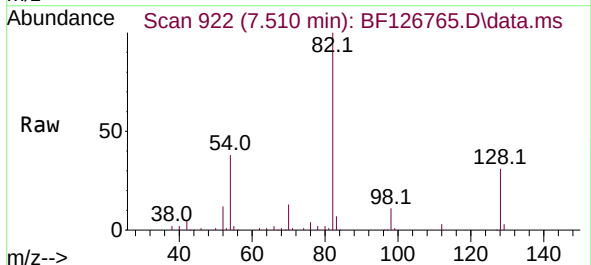
Tgt Ion: 82 Resp: 106686

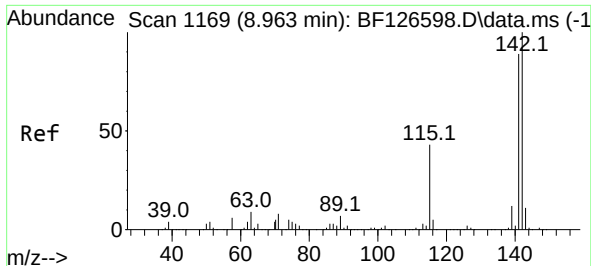
Ion Ratio Lower Upper

82 100

95 0.0 5.0 7.4#

138 0.0 12.3 18.5#





#37

2-Methylnaphthalene

Concen: 2.118 ng

RT: 8.951 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF126765.D

Acq: 31 Jan 2022 21:35

Instrument :

BNA_F

ClientSampleId :

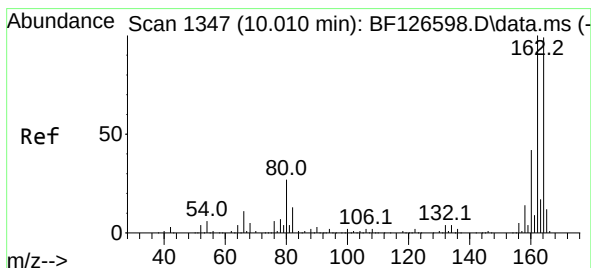
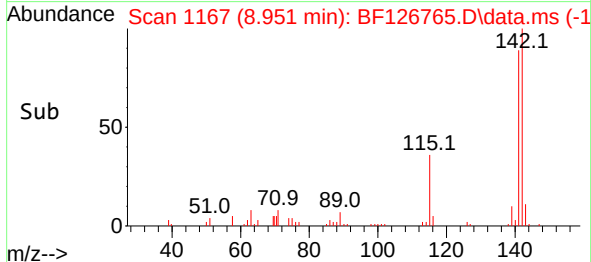
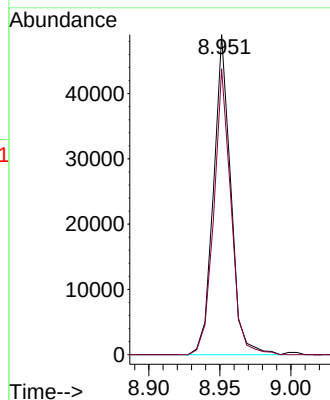
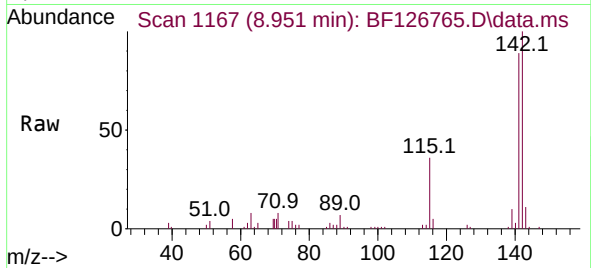
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Tgt Ion:142 Resp: 41261

Ion Ratio Lower Upper

142 100

141 89.4 68.6 102.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1345

Delta R.T. 0.000 min

Lab File: BF126765.D

Acq: 31 Jan 2022 21:35

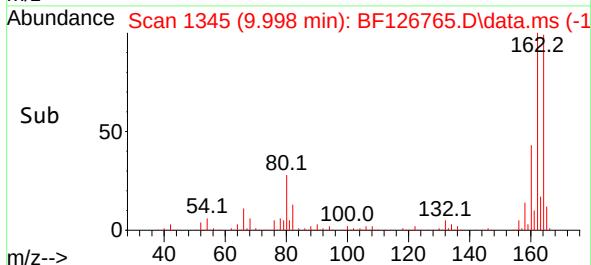
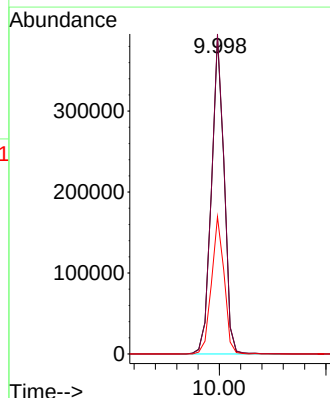
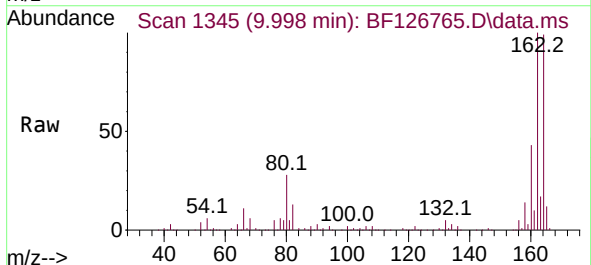
Tgt Ion:164 Resp: 323453

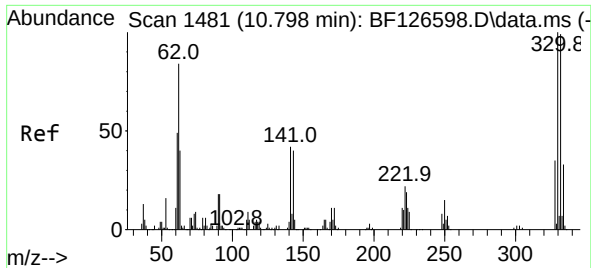
Ion Ratio Lower Upper

164 100

162 100.9 81.4 122.0

160 43.3 36.6 54.8

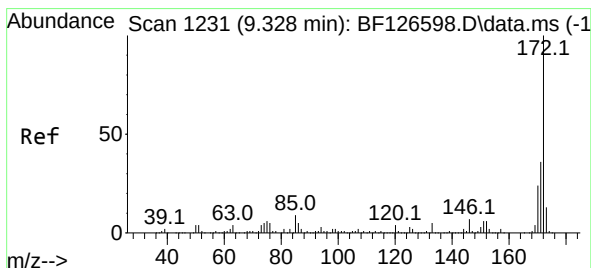
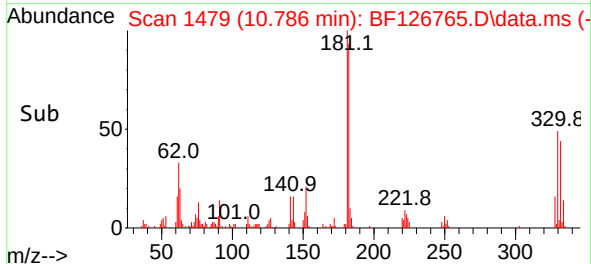
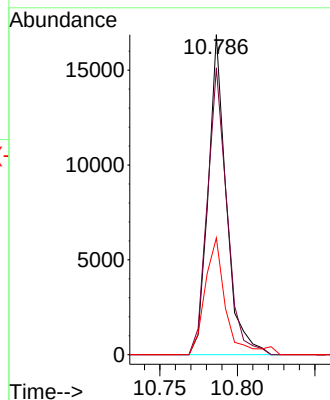
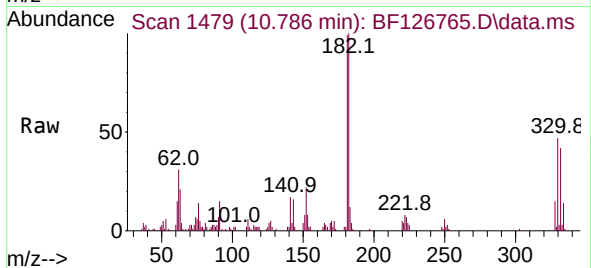




#42
2,4,6-Tribromophenol
Concen: 4.521 ng
RT: 10.786 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

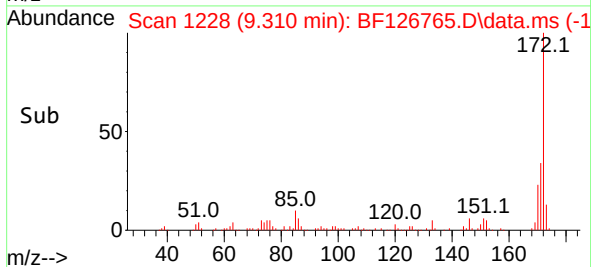
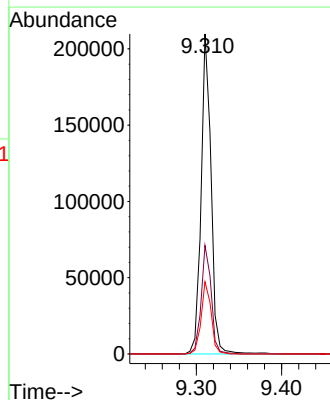
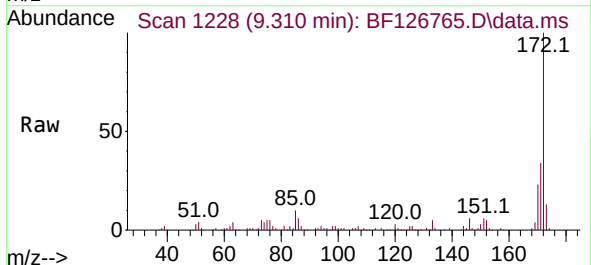
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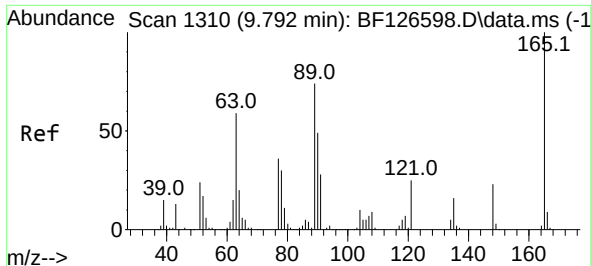
Tgt Ion:330 Resp: 13685
Ion Ratio Lower Upper
330 100
332 97.1 76.0 114.0
141 41.7 30.1 45.1



#45
2-Fluorobiphenyl
Concen: 8.071 ng
RT: 9.310 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

Tgt Ion:172 Resp: 170459
Ion Ratio Lower Upper
172 100
171 33.9 28.3 42.5
170 22.6 19.0 28.6

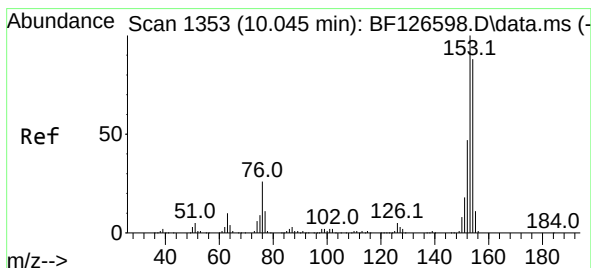
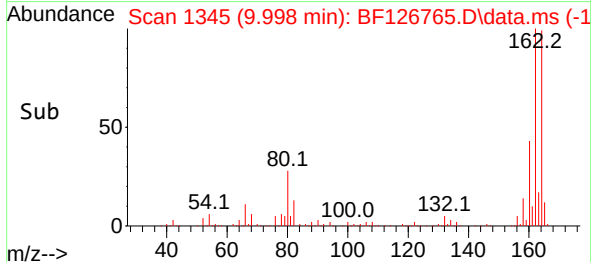
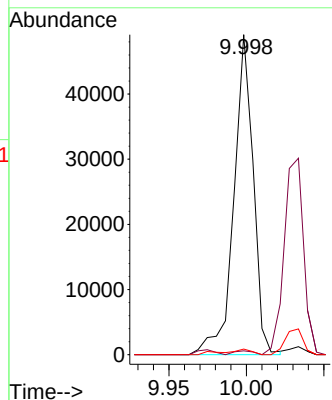
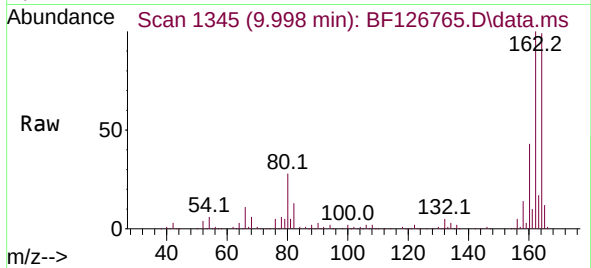




#51
2,6-Dinitrotoluene
Concen: 10.783 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

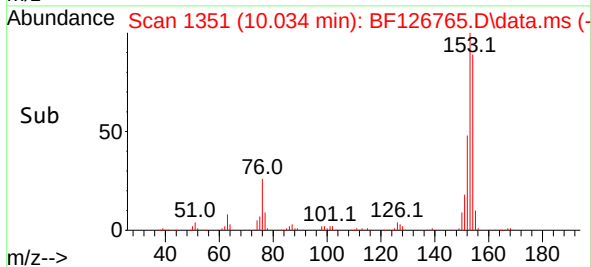
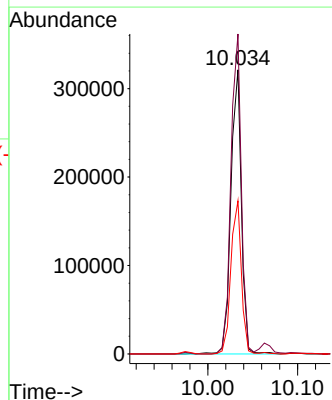
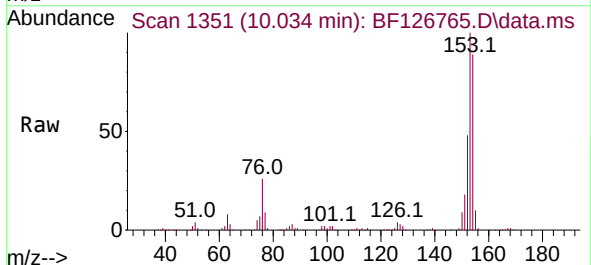
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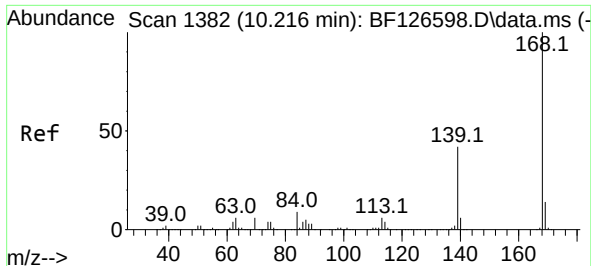
Tgt Ion:165 Resp: 42745
Ion Ratio Lower Upper
165 100
63 1.2 48.4 72.6#
89 1.7 50.5 75.7#



#52
Acenaphthene
Concen: 14.219 ng
RT: 10.034 min Scan# 1351
Delta R.T. 0.000 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

Tgt Ion:154 Resp: 261069
Ion Ratio Lower Upper
154 100
153 112.6 87.8 131.6
152 53.9 39.4 59.2

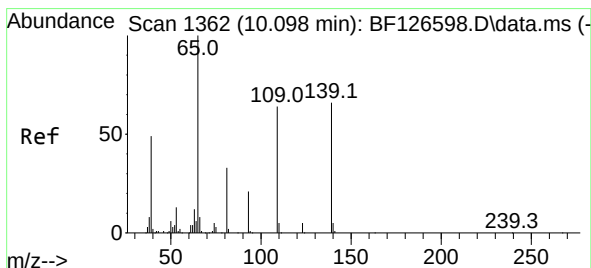
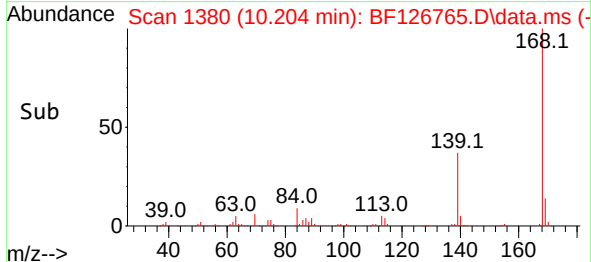
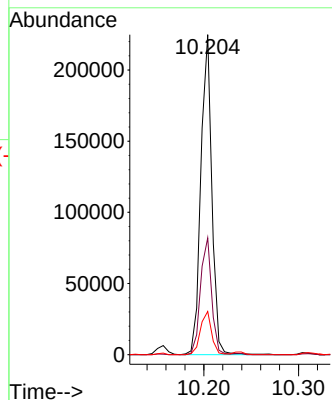
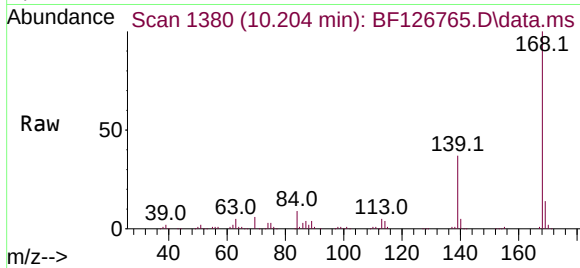




#55
Dibenzenofuran
Concen: 6.573 ng
RT: 10.204 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

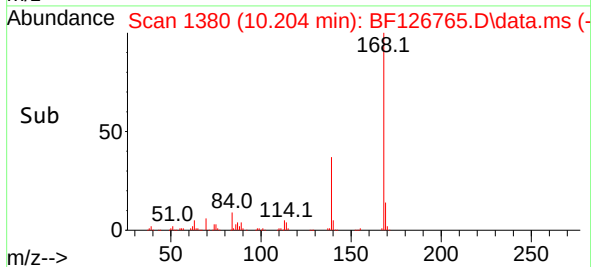
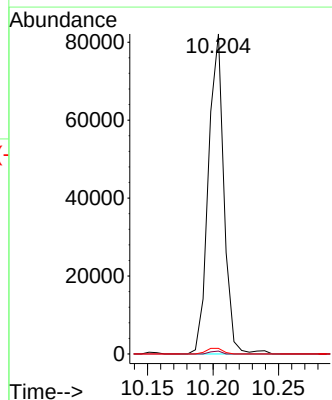
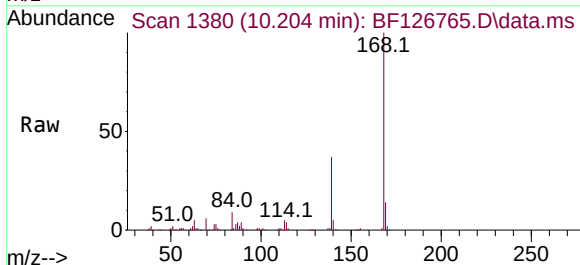
Instrument :
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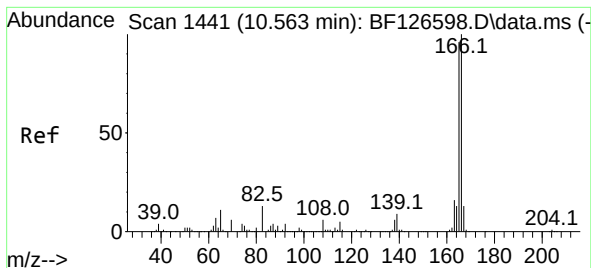
Tgt Ion:168 Resp: 181357
Ion Ratio Lower Upper
168 100
139 36.5 30.6 46.0
169 13.5 10.0 15.0



#56
4-Nitrophenol
Concen: 18.733 ng
RT: 10.204 min Scan# 1380
Delta R.T. 0.106 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

Tgt Ion:139 Resp: 67608
Ion Ratio Lower Upper
139 100
109 0.9 44.1 84.1#
65 1.8 85.5 125.5#





#58

Fluorene

Concen: 12.649 ng

RT: 10.545 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF126765.D

Acq: 31 Jan 2022 21:35

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEDL

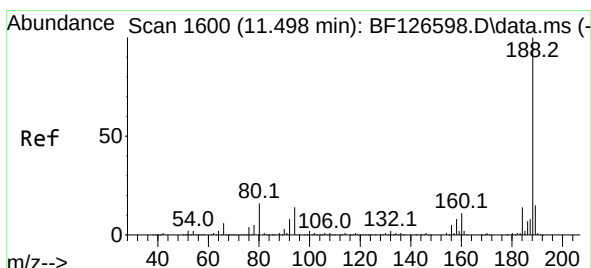
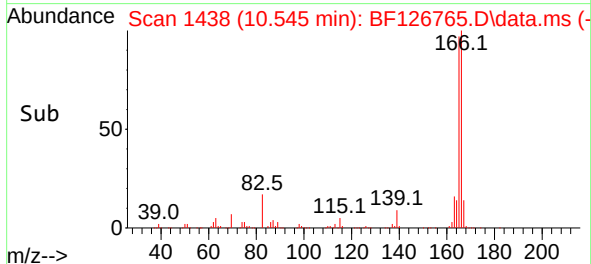
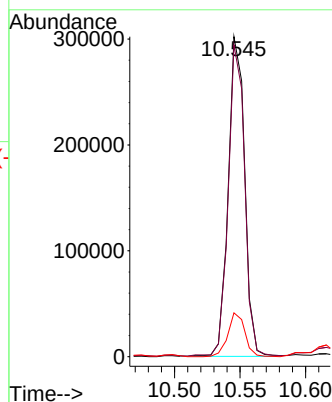
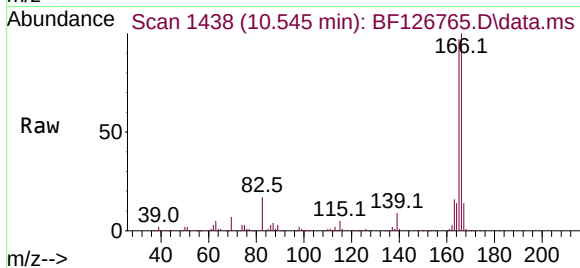
Tgt Ion:166 Resp: 263501

Ion Ratio Lower Upper

166 100

165 97.4 77.7 116.5

167 13.7 10.7 16.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 1599

Delta R.T. 0.000 min

Lab File: BF126765.D

Acq: 31 Jan 2022 21:35

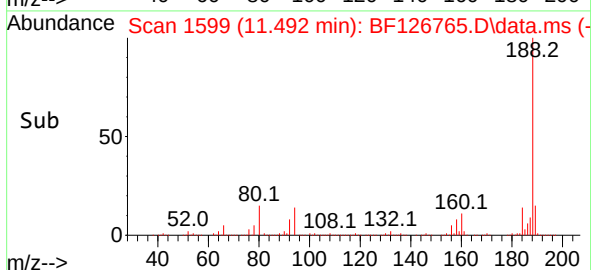
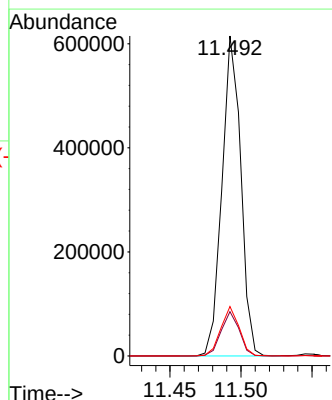
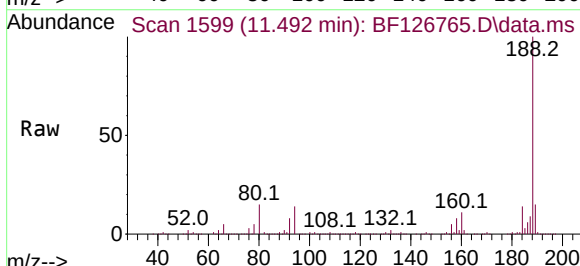
Tgt Ion:188 Resp: 565035

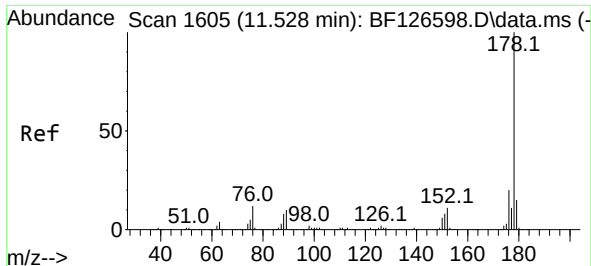
Ion Ratio Lower Upper

188 100

94 13.8 10.1 15.1

80 15.5 11.8 17.6

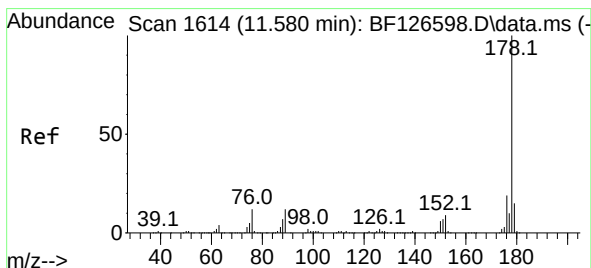
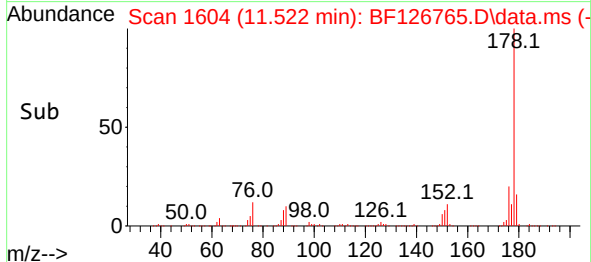
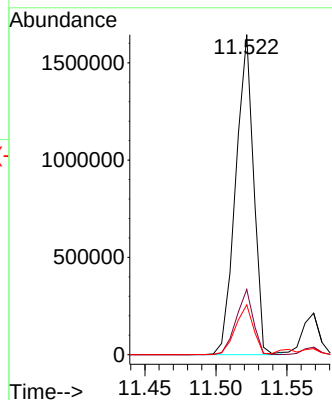
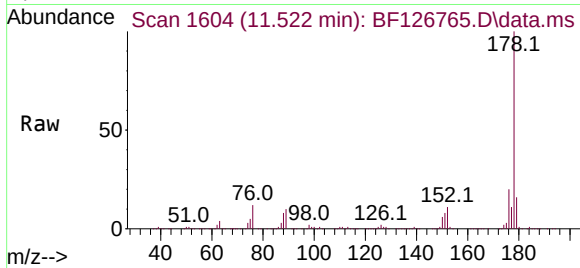




#71
Phenanthrene
Concen: 44.639 ng
RT: 11.522 min Scan# 1604
Delta R.T. 0.000 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

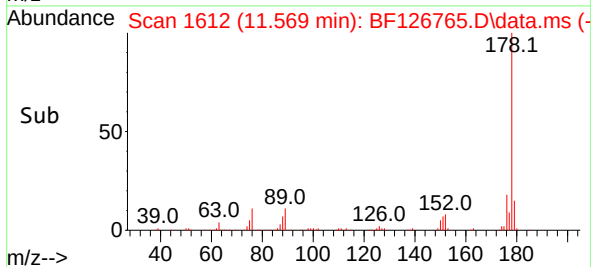
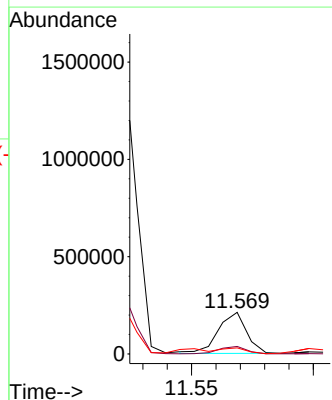
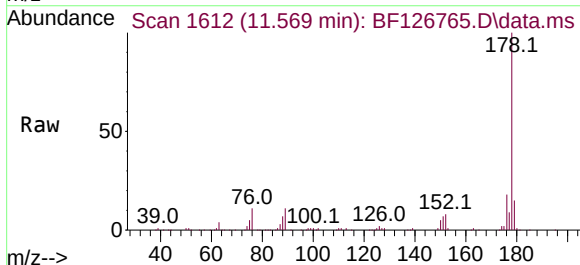
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEDL

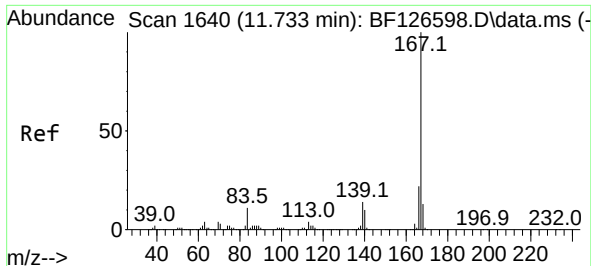
Tgt Ion:178 Resp: 1441013
Ion Ratio Lower Upper
178 100
176 20.4 15.7 23.5
179 15.6 12.3 18.5



#72
Anthracene
Concen: 5.264 ng
RT: 11.569 min Scan# 1612
Delta R.T. 0.000 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

Tgt Ion:178 Resp: 170483
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.6
179 14.6 12.5 18.7

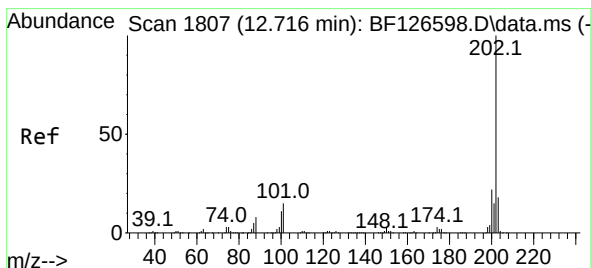
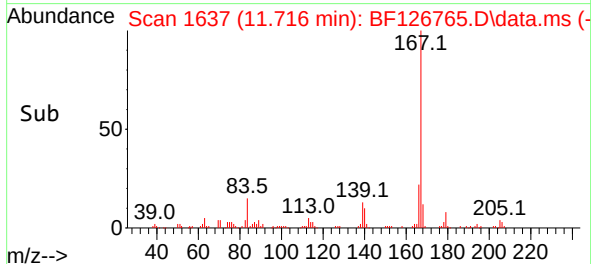
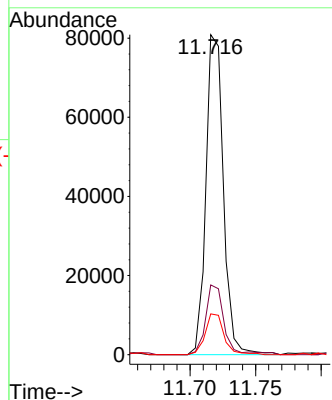
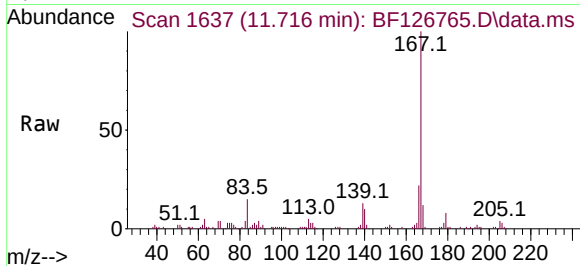




#73
 Carbazole
 Concen: 2.476 ng
 RT: 11.716 min Scan# 1637
 Delta R.T. -0.006 min
 Lab File: BF126765.D
 Acq: 31 Jan 2022 21:35

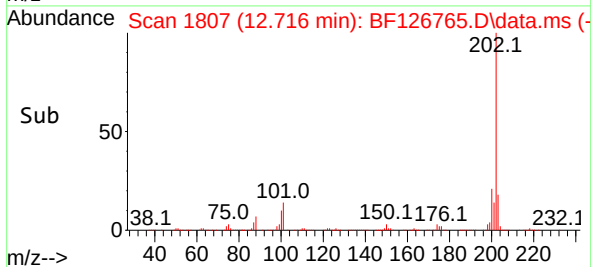
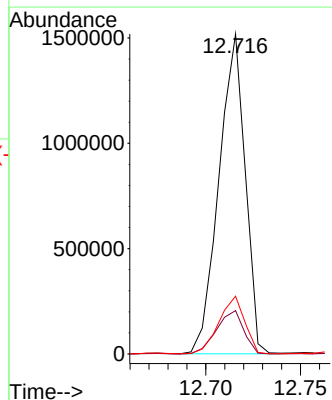
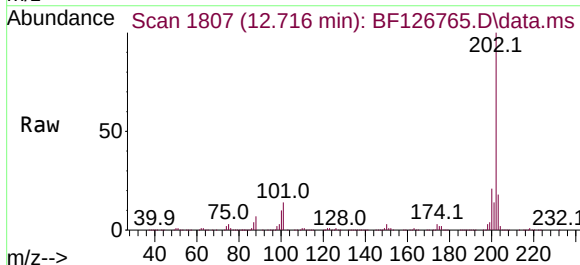
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILEDL

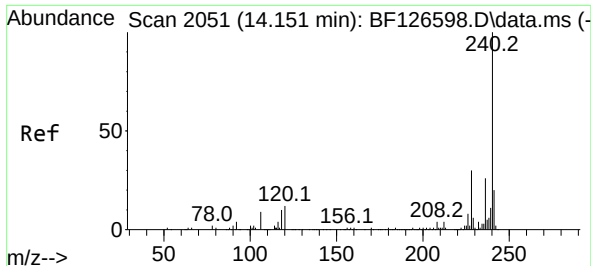
Tgt Ion:167 Resp: 75304
 Ion Ratio Lower Upper
 167 100
 166 21.8 16.9 25.3
 139 12.7 11.3 16.9



#75
 Fluoranthene
 Concen: 45.908 ng
 RT: 12.716 min Scan# 1807
 Delta R.T. 0.006 min
 Lab File: BF126765.D
 Acq: 31 Jan 2022 21:35

Tgt Ion:202 Resp: 1463783
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 35.7
 203 18.0 0.0 37.1

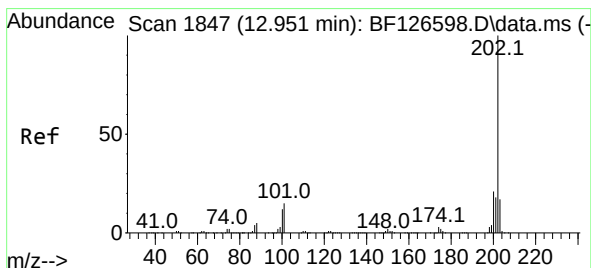
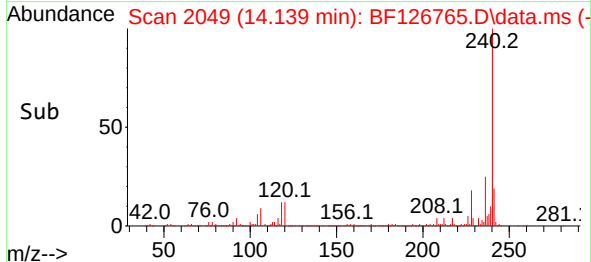
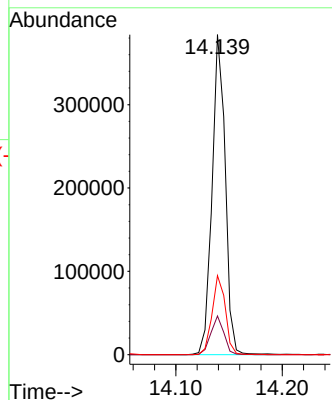
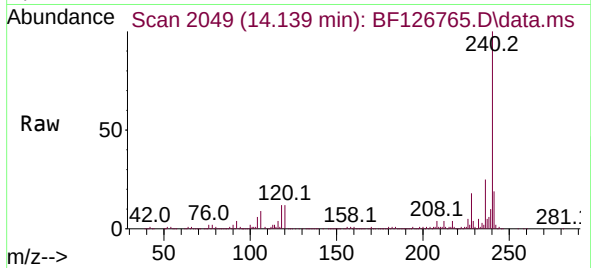




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 2049
Delta R.T. -0.006 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

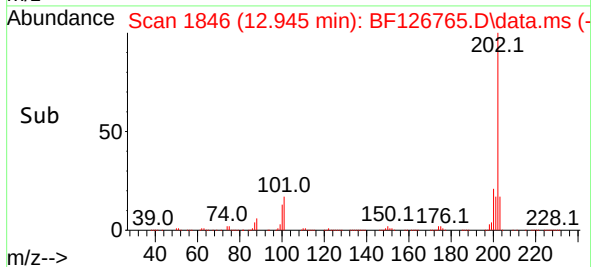
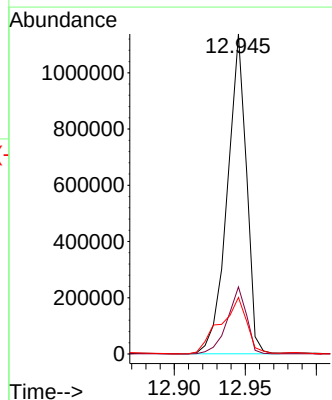
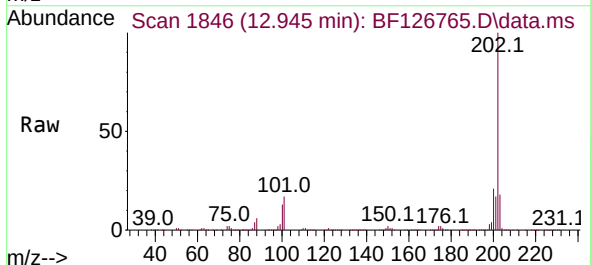
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEDL

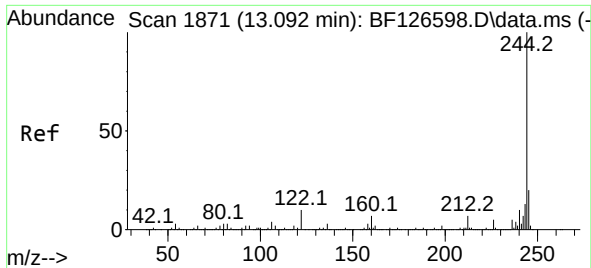
Tgt Ion:240 Resp: 330949
Ion Ratio Lower Upper
240 100
120 12.1 14.4 21.6#
236 24.7 20.5 30.7



#78
Pyrene
Concen: 39.702 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.006 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

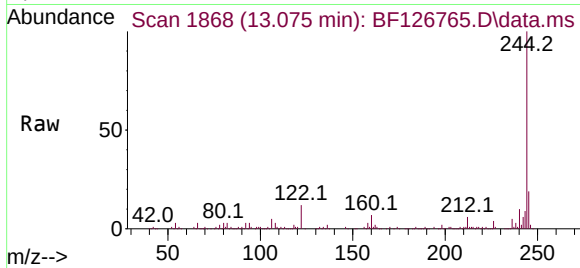
Tgt Ion:202 Resp: 1062550
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 17.7 13.8 20.8



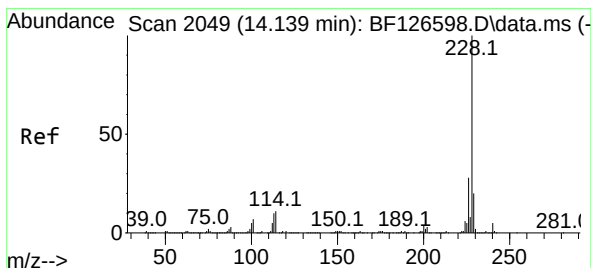
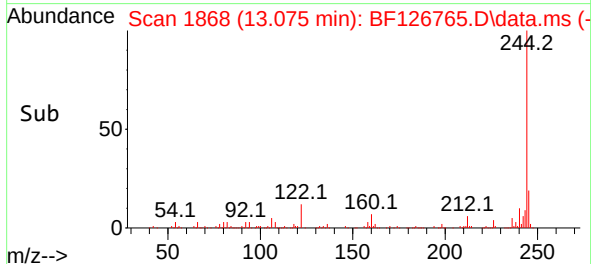
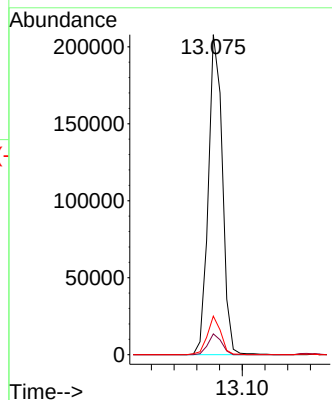


#79
 Terphenyl-d14
 Concen: 8.995 ng
 RT: 13.075 min Scan# 1868
 Delta R.T. -0.006 min
 Lab File: BF126765.D
 Acq: 31 Jan 2022 21:35

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILEDL

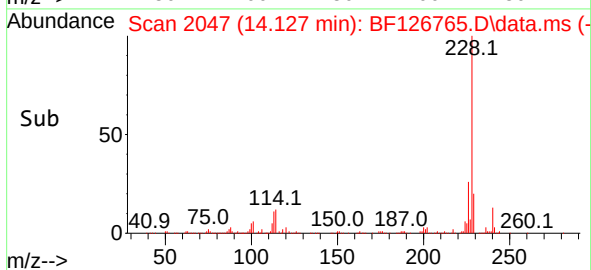
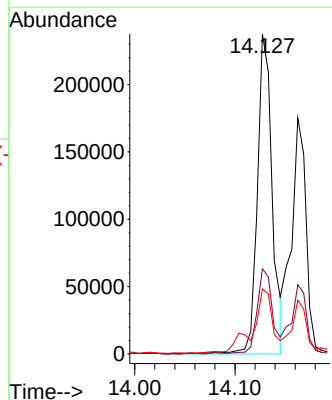
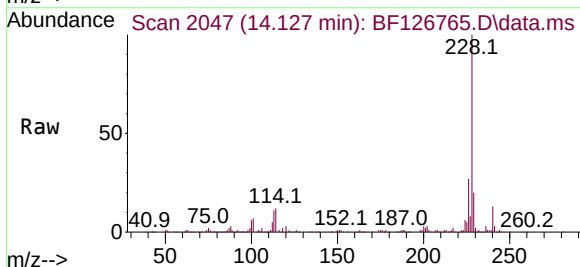


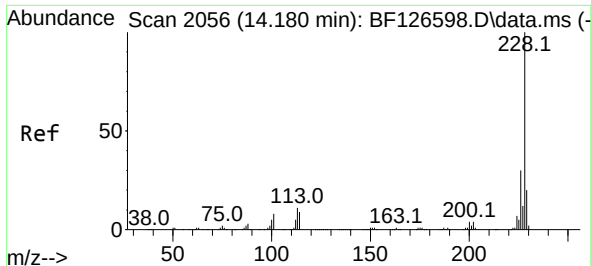
Tgt Ion:244 Resp: 177488
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.4
 122 12.0 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 10.808 ng
 RT: 14.127 min Scan# 2047
 Delta R.T. -0.006 min
 Lab File: BF126765.D
 Acq: 31 Jan 2022 21:35

Tgt Ion:228 Resp: 243121
 Ion Ratio Lower Upper
 228 100
 226 26.6 21.4 32.0
 229 20.3 15.4 23.2

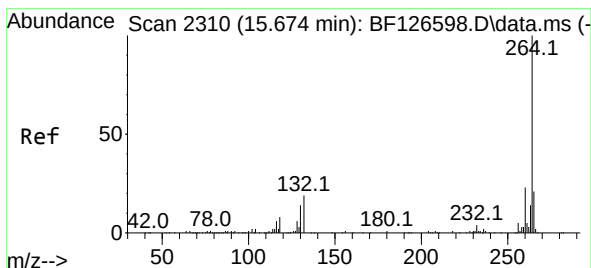
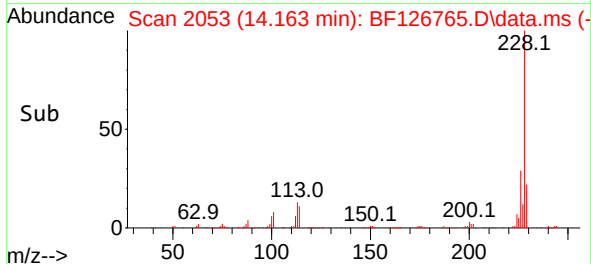
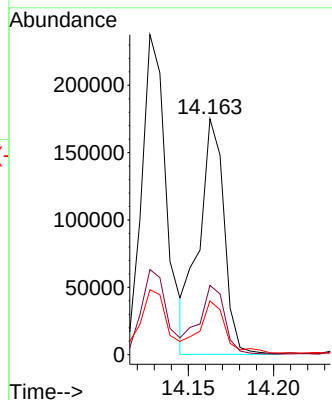
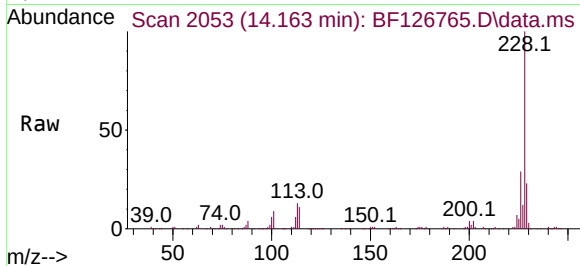




#83
Chrysene
Concen: 8.307 ng
RT: 14.163 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

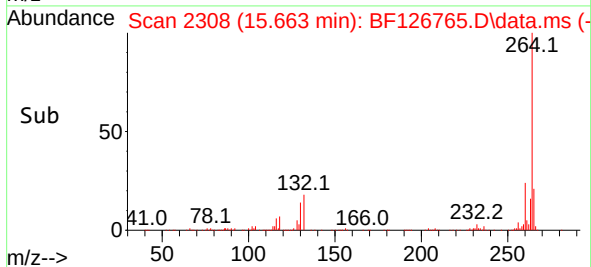
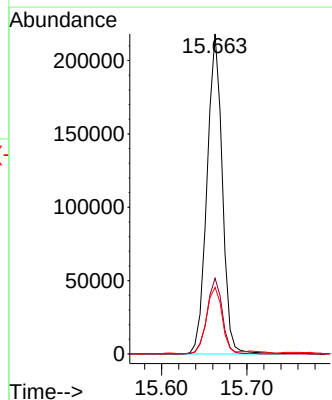
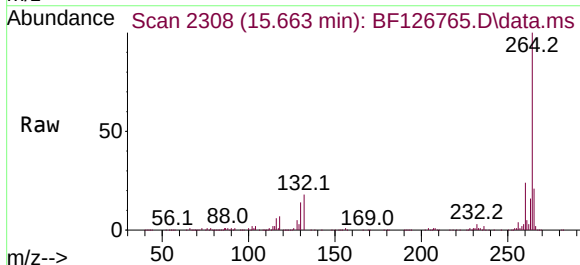
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEDL

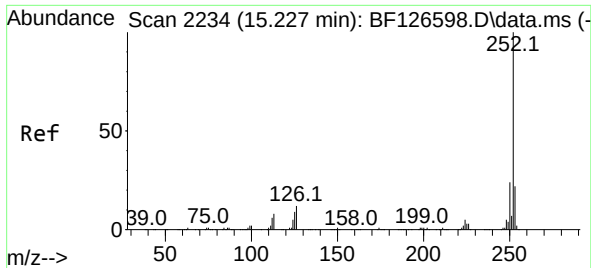
Tgt Ion:228	Resp: 179793
Ion Ratio	Lower Upper
228 100	
226 29.4	23.7 35.5
229 22.8	15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.663 min Scan# 2308
Delta R.T. 0.000 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

Tgt	Ion:264	Resp:	271971
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	20.8	17.4	26.2

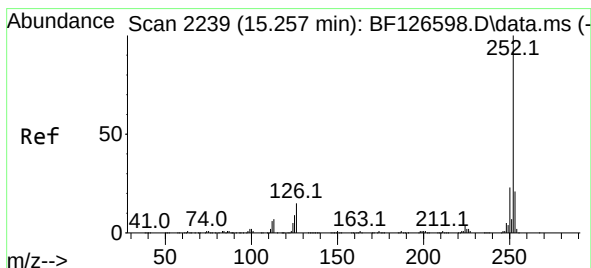
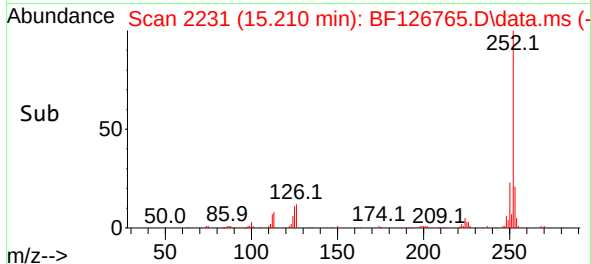
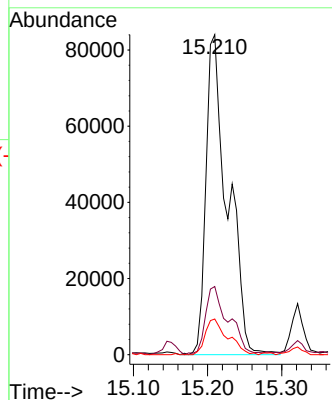
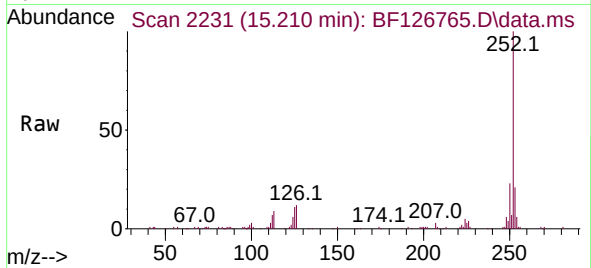




#88
Benzo(b)fluoranthene
Concen: 9.503 ng
RT: 15.210 min Scan# 2234
Delta R.T. 0.000 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

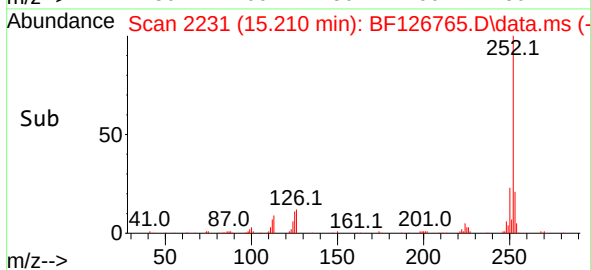
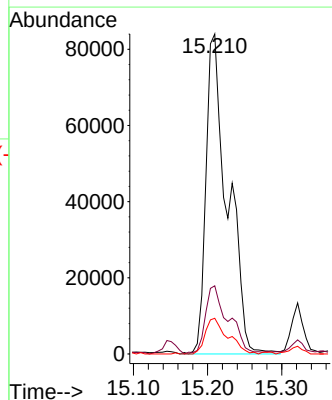
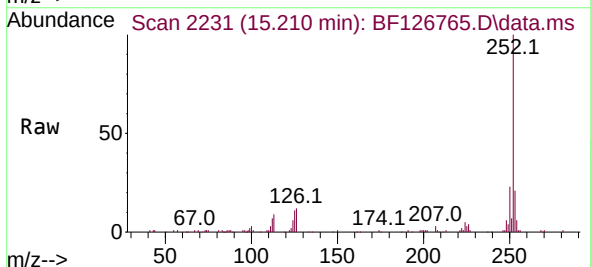
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEDL

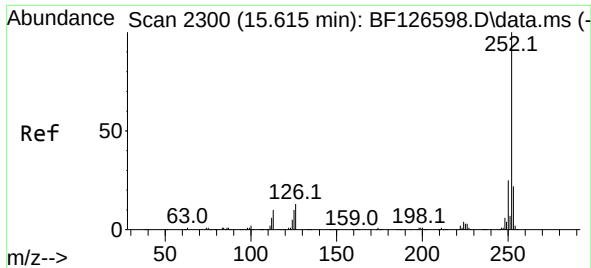
Tgt Ion:252 Resp: 171394
Ion Ratio Lower Upper
252 100
253 21.3 17.8 26.8
125 11.1 12.4 18.6#



#89
Benzo(k)fluoranthene
Concen: 9.679 ng
RT: 15.210 min Scan# 2231
Delta R.T. -0.029 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

Tgt Ion:252 Resp: 171394
Ion Ratio Lower Upper
252 100
253 21.3 17.5 26.3
125 11.1 11.8 17.6#





#90

Benzo(a)pyrene

Concen: 4.360 ng

RT: 15.592 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF126765.D

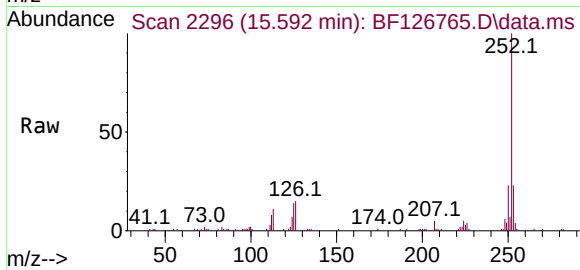
Acq: 31 Jan 2022 21:35

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEDL



Tgt Ion:252 Resp: 63975

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 13.8 13.0 19.6

