

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062921\
 Data File : BF124490.D
 Acq On : 29 Jun 2021 13:34
 Operator : JU/CG
 Sample : M2859-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PILE-1-062421DL

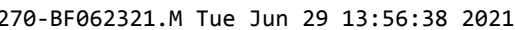
Quant Time: Jun 29 13:56:28 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 29 12:49:33 2021
 Response via : Initial Calibration

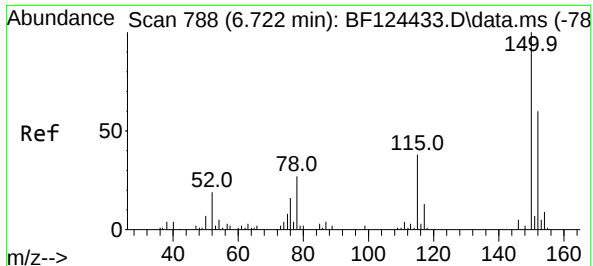
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.692	152	32226	20.000	ng	0.00
21) Naphthalene-d8	7.975	136	118964	20.000	ng	# 0.00
39) Acenaphthene-d10	9.733	164	70004	20.000	ng	0.00
64) Phenanthrene-d10	11.222	188	106869	20.000	ng	0.00
76) Chrysene-d12	13.863	240	81320	20.000	ng	0.00
86) Perylene-d12	15.286	264	89679	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.316	112	24990	12.196	ng	0.00
7) Phenol-d6	6.345	99	33951	12.690	ng	0.00
23) Nitrobenzene-d5	7.257	82	26820	9.348	ng	0.00
42) 2,4,6-Tribromophenol	10.527	330	7030	8.405	ng	0.00
45) 2-Fluorobiphenyl	9.051	172	52539	9.194	ng	0.00
79) Terphenyl-d14	12.798	244	44994	8.287	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	7.828	122	217	7.359	ng	# 86
35) Caprolactam	8.428	113	1860	3.218	ng	# 1
37) 2-Methylnaphthalene	8.692	142	143878	29.050	ng	98
38) 1-Methylnaphthalene	8.786	142	104948	22.781	ng	95
46) 1,1'-Biphenyl	9.151	154	33814	5.683	ng	94
52) Acenaphthene	9.769	154	15293	3.424	ng	# 72
54) 2,4-Dinitrophenol	9.951	184	1160	8.683	ng	# 1
55) Dibenzofuran	9.939	168	21052	2.957	ng	# 1
56) 4-Nitrophenol	9.880	139	2859	4.829	ng	# 42
57) 2,4-Dinitrotoluene	9.939	165	10969	6.491	ng	# 47
58) Fluorene	10.280	166	34871	6.374	ng	# 71
66) n-Nitrosodiphenylamine	10.398	169	72835	17.766	ng	# 53
69) Atrazine	11.022	200	3879	3.667	ng	83
70) Pentachlorophenol	11.057	266	181	6.542	ng	# 18
71) Phenanthrene	11.245	178	159440	23.667	ng	96
72) Anthracene	11.245	178	159117	23.705	ng	96
78) Pyrene	12.663	202	40029	5.393	ng	94
81) Benzo(a)anthracene	13.886	228	15139	2.582	ng	91
83) Chrysene	13.886	228	15139	2.606	ng	94

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

Quant Time: Jun 29 13:56:28 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 29 12:49:33 2021
Response via : Initial Calibration

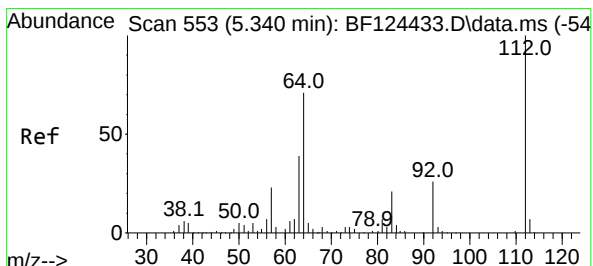
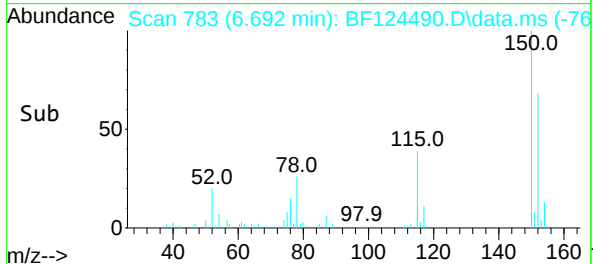
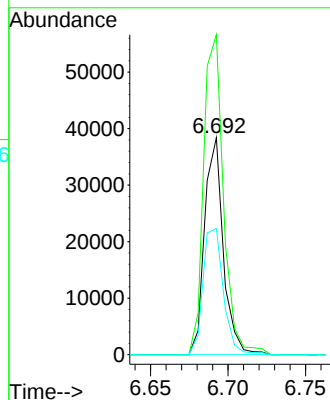
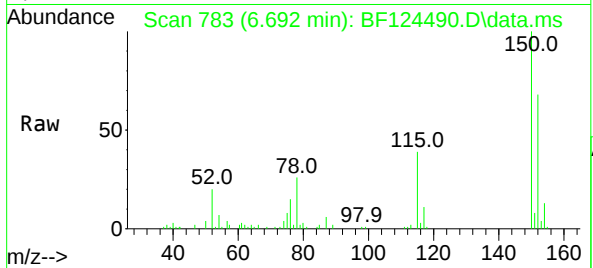




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.692 min Scan# 783
Delta R.T. 0.000 min
Lab File: BF124490.D
Acq: 29 Jun 2021 13:34

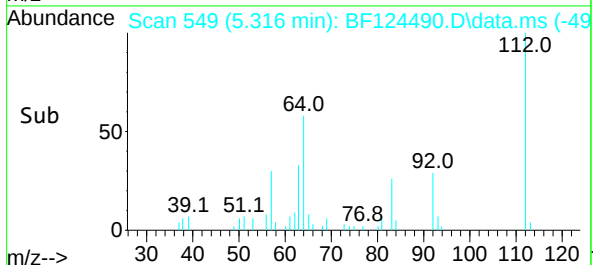
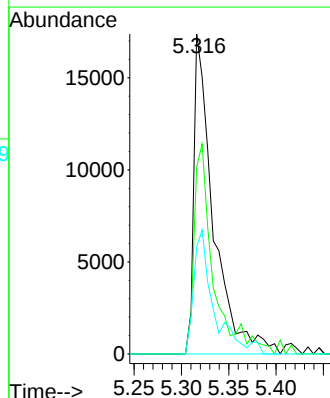
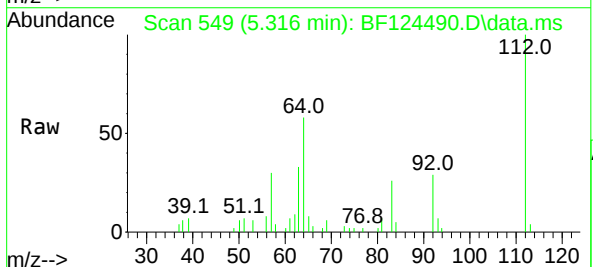
Instrument :
BNA_F
ClientSampleId :
PILE-1-062421DL

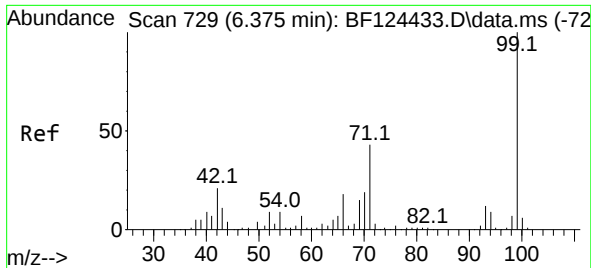
Tgt Ion:152 Resp: 32226
Ion Ratio Lower Upper
152 100
150 147.5 127.0 190.6
115 58.1 54.3 81.5



#5
2-Fluorophenol
Concen: 12.196 ng
RT: 5.316 min Scan# 549
Delta R.T. 0.006 min
Lab File: BF124490.D
Acq: 29 Jun 2021 13:34

Tgt Ion:112 Resp: 24990
Ion Ratio Lower Upper
112 100
64 58.4 61.4 92.0#
63 33.5 33.0 49.4

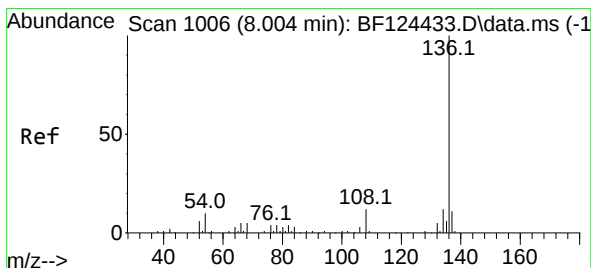
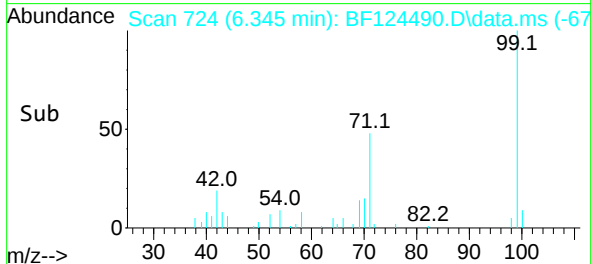
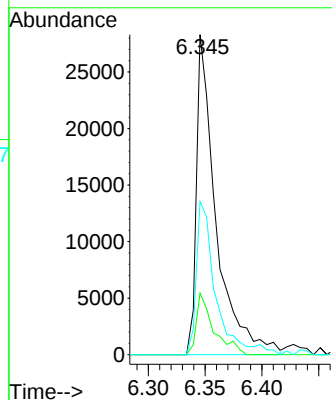
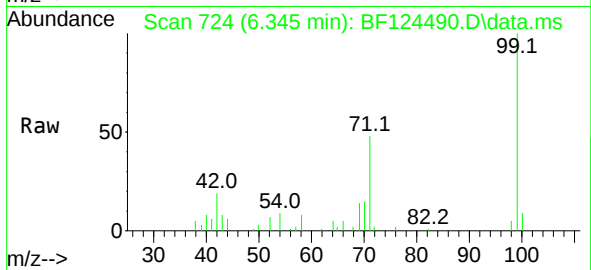




#7
Phenol-d6
Concen: 12.690 ng
RT: 6.345 min Scan# 724
Delta R.T. -0.006 min
Lab File: BF124490.D
Acq: 29 Jun 2021 13:34

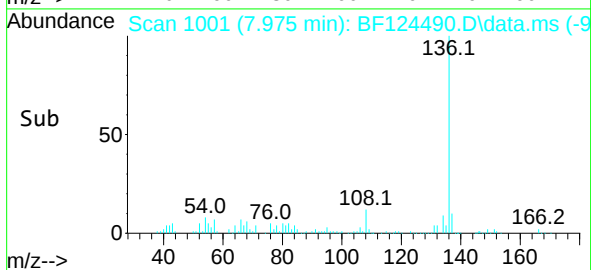
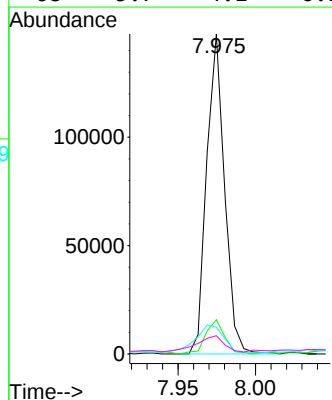
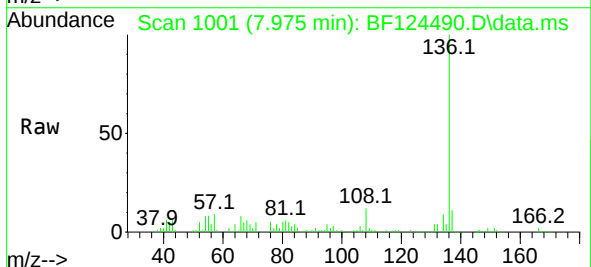
Instrument :
BNA_F
ClientSampleId :
PILE-1-062421DL

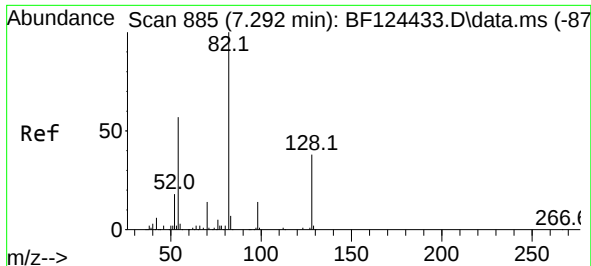
Tgt Ion: 99 Resp: 33951
Ion Ratio Lower Upper
99 100
42 19.2 19.8 29.8#
71 47.9 31.1 46.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.975 min Scan# 1001
Delta R.T. 0.000 min
Lab File: BF124490.D
Acq: 29 Jun 2021 13:34

Tgt Ion: 136 Resp: 118964
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 8.4 9.8 14.6#
68 5.7 4.1 6.1





#23

Nitrobenzene-d5

Concen: 9.348 ng

RT: 7.257 min Scan# 879

Delta R.T. -0.006 min

Lab File: BF124490.D

Acq: 29 Jun 2021 13:34

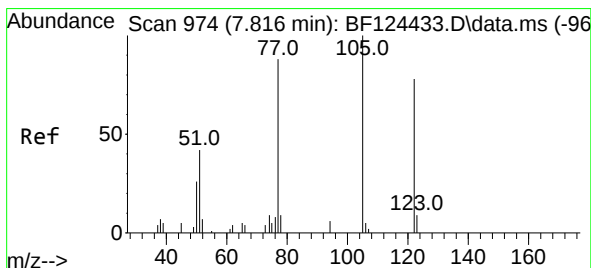
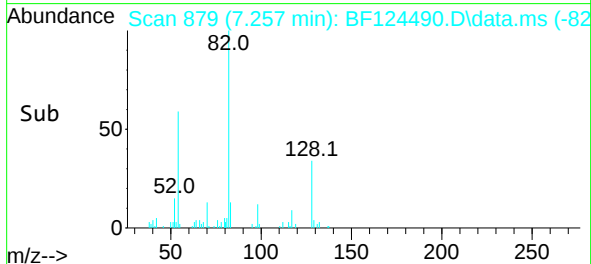
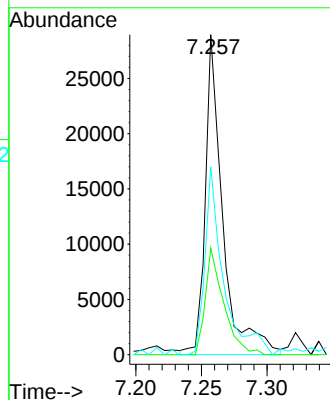
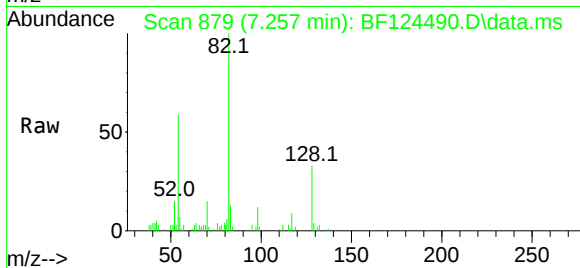
Instrument :

BNA_F

ClientSampleId :

PILE-1-062421DL

Tgt Ion:	82	Resp:	26820
Ion	Ratio	Lower	Upper
82	100		
128	33.3	29.4	44.2
54	58.8	54.1	81.1



#32

Benzoic acid

Concen: 7.359 ng

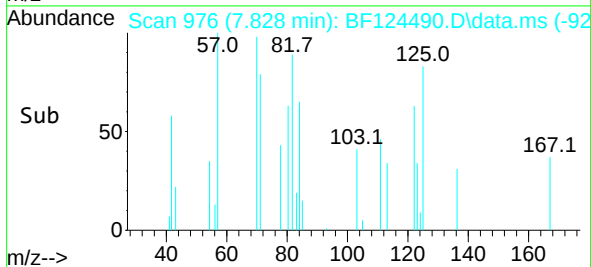
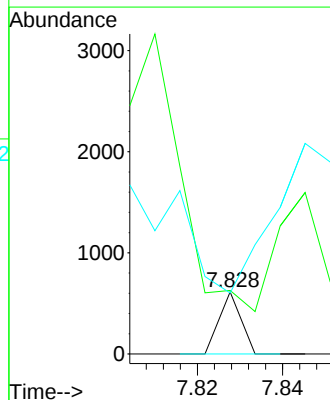
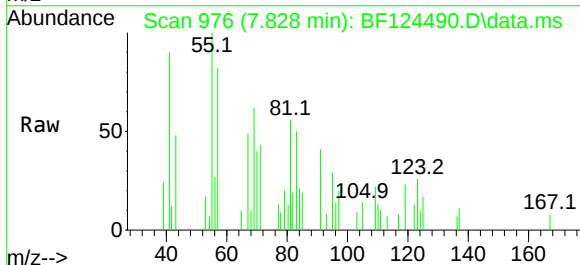
RT: 7.828 min Scan# 976

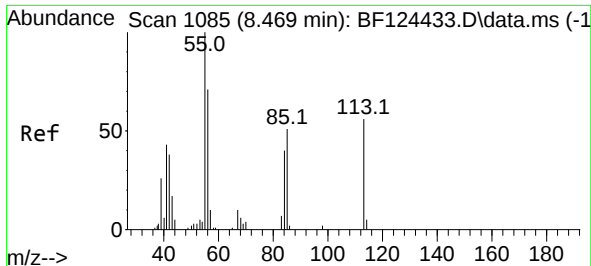
Delta R.T. 0.029 min

Lab File: BF124490.D

Acq: 29 Jun 2021 13:34

Tgt Ion:	122	Resp:	217
Ion	Ratio	Lower	Upper
122	100		
105	102.3	107.8	147.8#
77	98.2	81.6	121.6

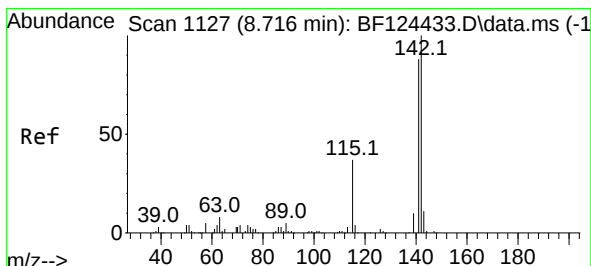
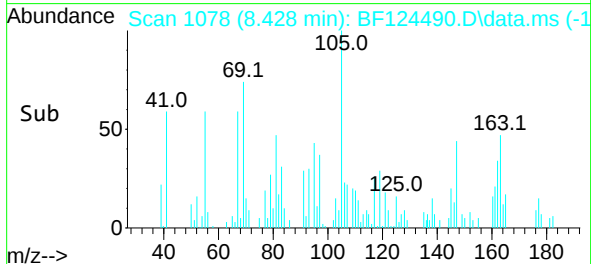
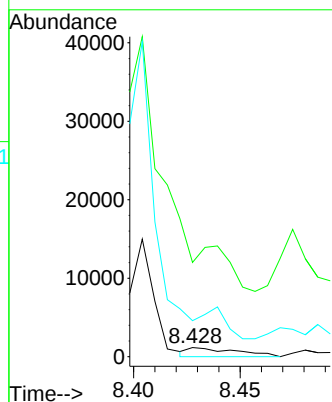
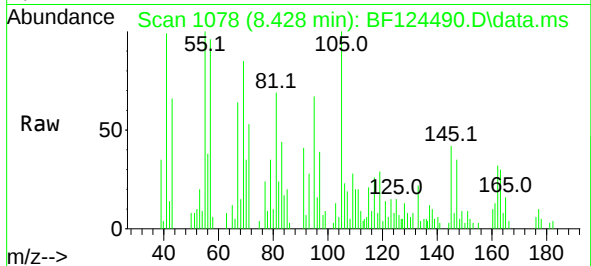




#35
 Caprolactam
 Concen: 3.218 ng
 RT: 8.428 min Scan# 1078
 Delta R.T. -0.006 min
 Lab File: BF124490.D
 Acq: 29 Jun 2021 13:34

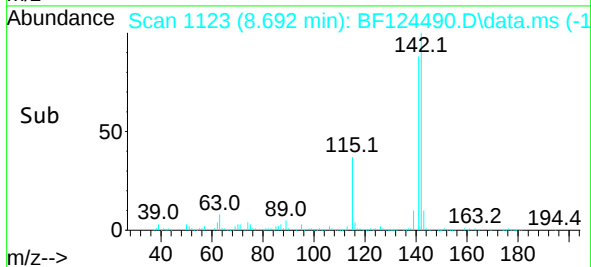
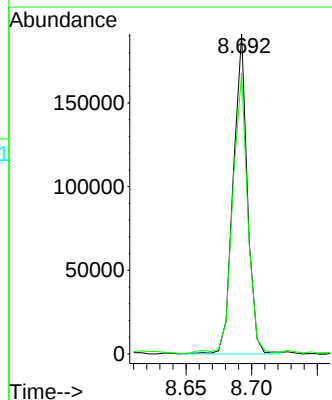
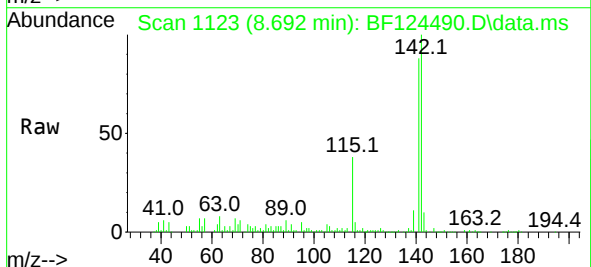
Instrument :
 BNA_F
 ClientSampleId :
 PILE-1-062421DL

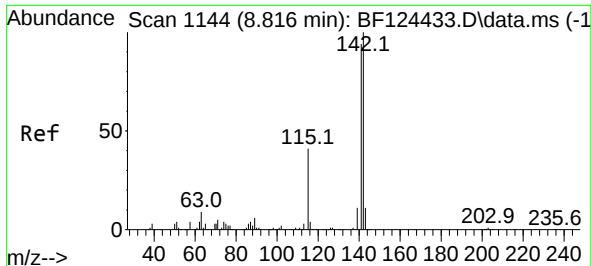
Tgt Ion:113 Resp: 1860
 Ion Ratio Lower Upper
 113 100
 55 1024.7 254.9 294.9#
 56 390.5 179.4 219.4#



#37
 2-Methylnaphthalene
 Concen: 29.050 ng
 RT: 8.692 min Scan# 1123
 Delta R.T. 0.006 min
 Lab File: BF124490.D
 Acq: 29 Jun 2021 13:34

Tgt Ion:142 Resp: 143878
 Ion Ratio Lower Upper
 142 100
 141 87.8 71.8 107.6

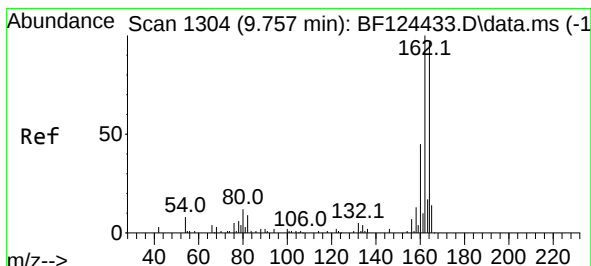
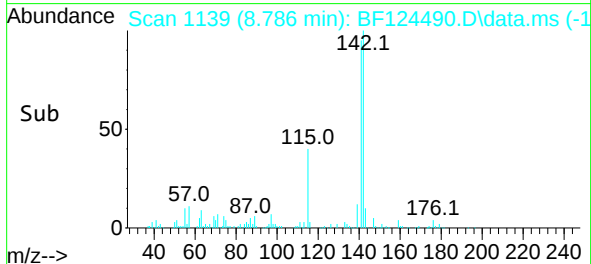
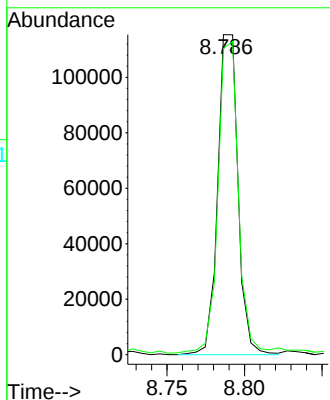
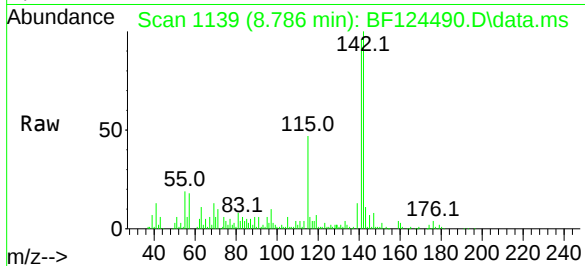




#38
1-Methylnaphthalene
Concen: 22.781 ng
RT: 8.786 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BF124490.D
Acq: 29 Jun 2021 13:34

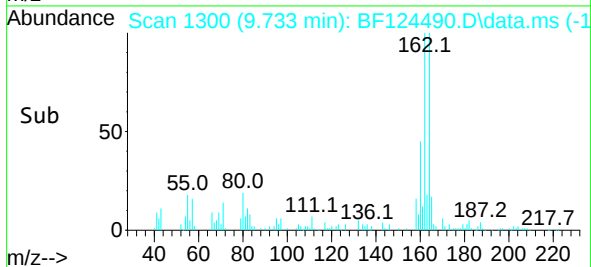
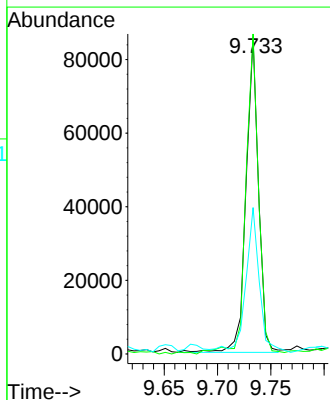
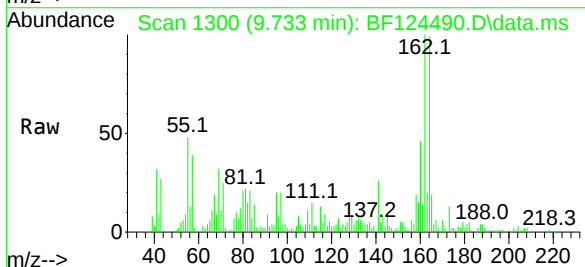
Instrument :
BNA_F
ClientSampleId :
PILE-1-062421DL

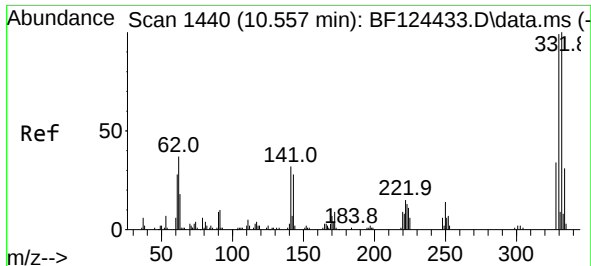
Tgt Ion:142 Resp: 104948
Ion Ratio Lower Upper
142 100
141 95.7 72.8 109.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.733 min Scan# 1300
Delta R.T. 0.006 min
Lab File: BF124490.D
Acq: 29 Jun 2021 13:34

Tgt Ion:164 Resp: 70004
Ion Ratio Lower Upper
164 100
162 101.2 80.7 121.1
160 46.3 37.3 55.9

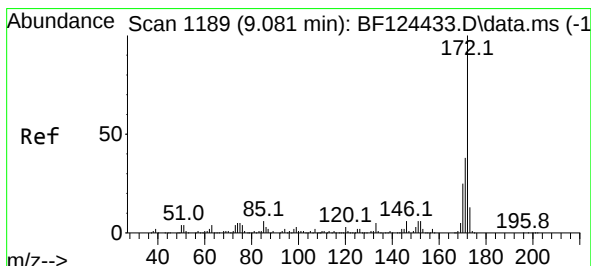
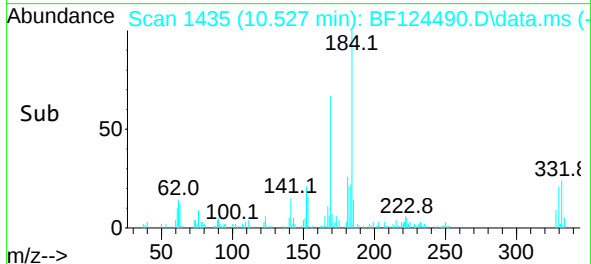
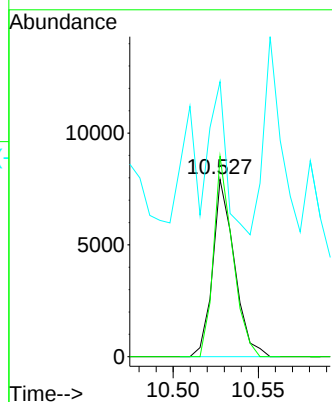
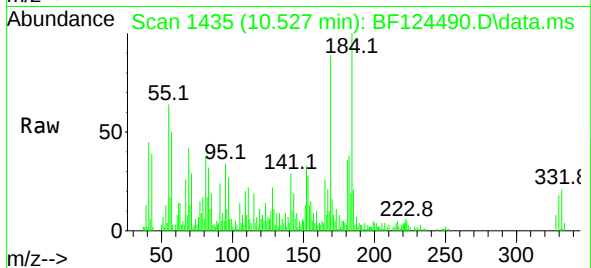




#42
2,4,6-Tribromophenol
Concen: 8.405 ng
RT: 10.527 min Scan# 1435
Delta R.T. 0.006 min
Lab File: BF124490.D
Acq: 29 Jun 2021 13:34

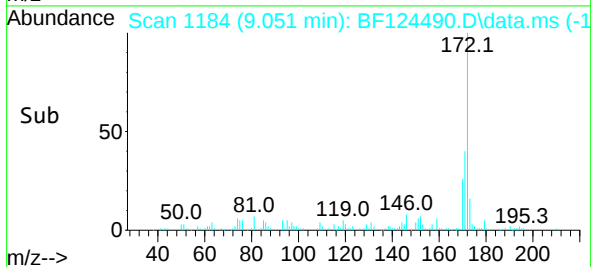
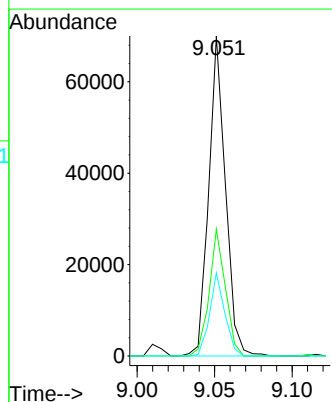
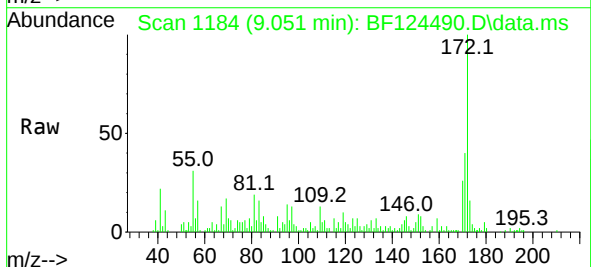
Instrument :
BNA_F
ClientSampleId :
PILE-1-062421DL

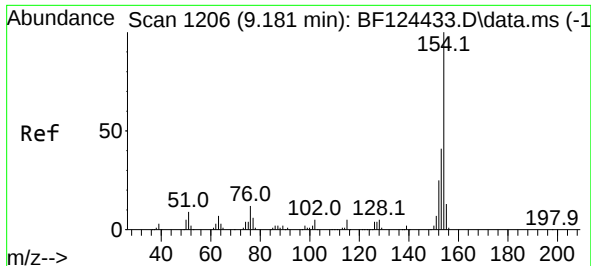
Tgt Ion:330 Resp: 7030
Ion Ratio Lower Upper
330 100
332 99.0 77.1 115.7
141 65.7 27.9 41.9#



#45
2-Fluorobiphenyl
Concen: 9.194 ng
RT: 9.051 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF124490.D
Acq: 29 Jun 2021 13:34

Tgt Ion:172 Resp: 52539
Ion Ratio Lower Upper
172 100
171 39.6 28.1 42.1
170 26.0 19.2 28.8

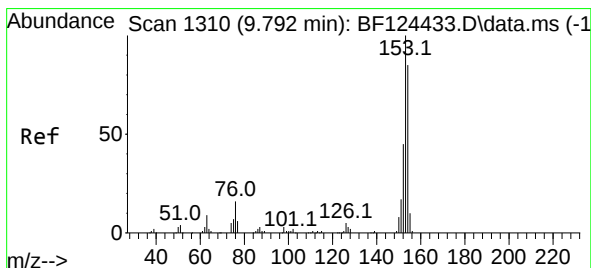
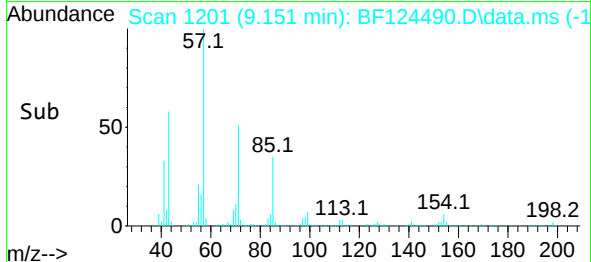
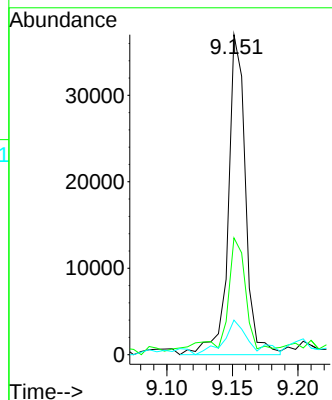
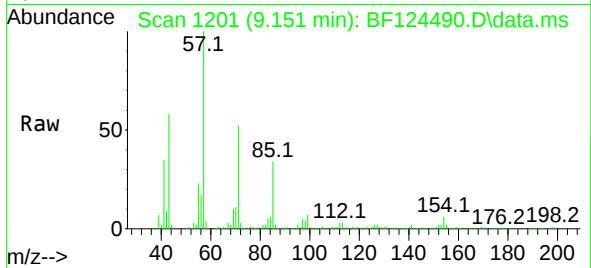




#46
1,1'-Biphenyl
Concen: 5.683 ng
RT: 9.151 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BF124490.D
Acq: 29 Jun 2021 13:34

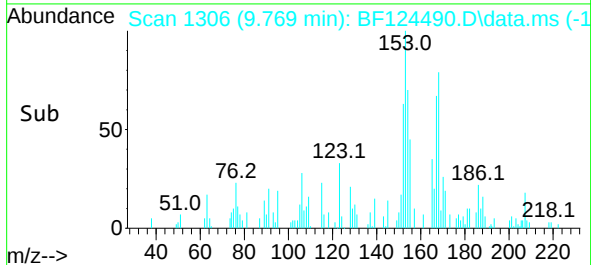
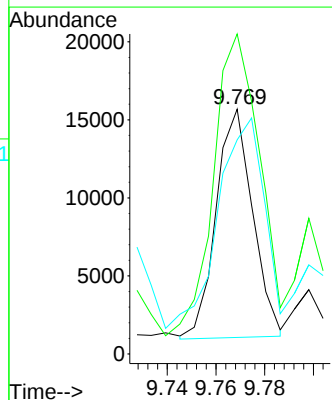
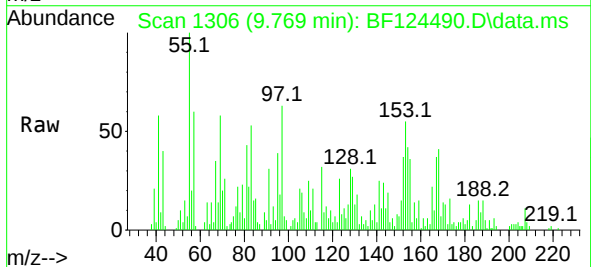
Instrument :
BNA_F
ClientSampleId :
PILE-1-062421DL

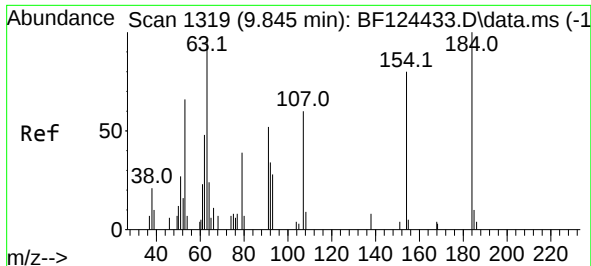
Tgt Ion:154 Resp: 33814
Ion Ratio Lower Upper
154 100
153 36.5 20.7 60.7
76 10.8 0.0 31.7



#52
Acenaphthene
Concen: 3.424 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BF124490.D
Acq: 29 Jun 2021 13:34

Tgt Ion:154 Resp: 15293
Ion Ratio Lower Upper
154 100
153 130.7 88.1 132.1
152 87.5 43.4 65.0#

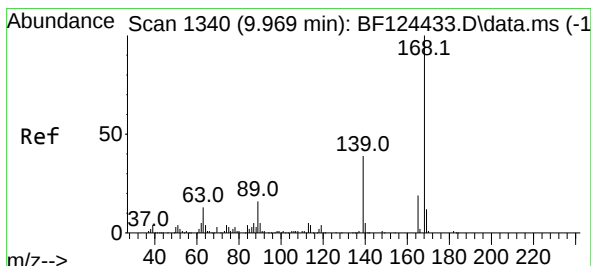
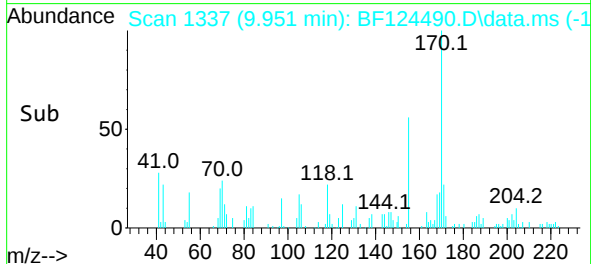
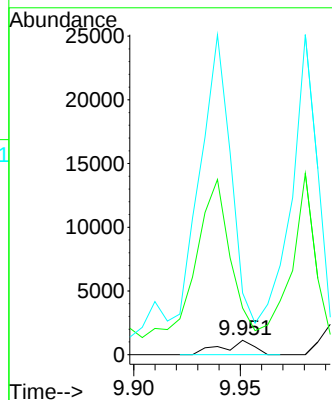
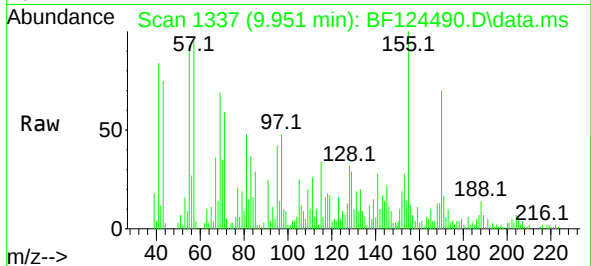




#54
2,4-Dinitrophenol
Concen: 8.683 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.124 min
Lab File: BF124490.D
Acq: 29 Jun 2021 13:34

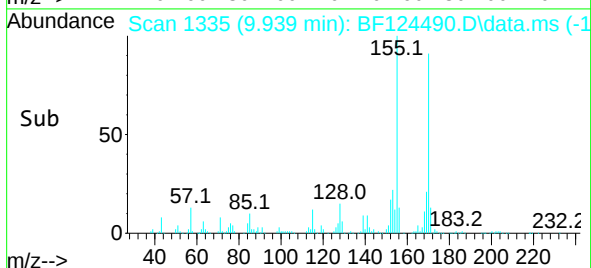
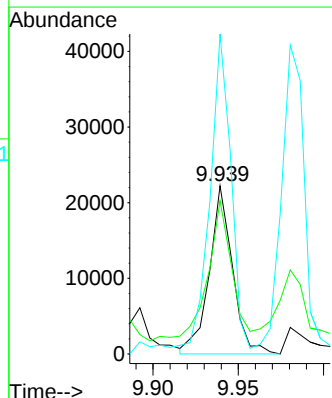
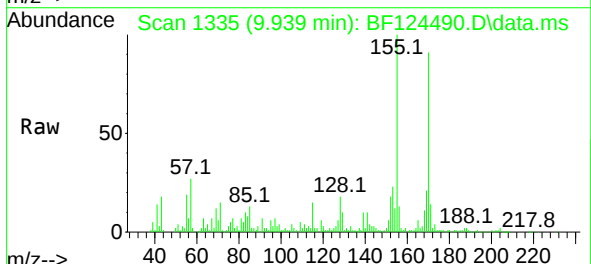
Instrument :
BNA_F
ClientSampleId :
PILE-1-062421DL

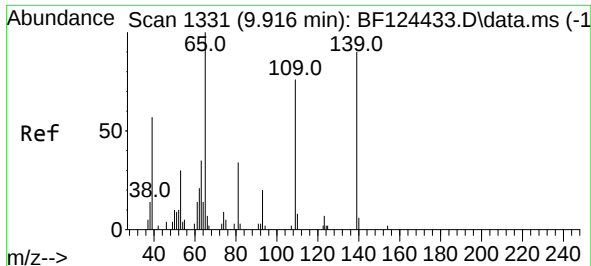
Tgt Ion:184 Resp: 1160
Ion Ratio Lower Upper
184 100
63 325.0 73.5 110.3#
154 429.8 52.5 78.7#



#55
Dibenzofuran
Concen: 2.957 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF124490.D
Acq: 29 Jun 2021 13:34

Tgt Ion:168 Resp: 21052
Ion Ratio Lower Upper
168 100
139 91.1 33.2 49.8#
169 190.2 10.8 16.2#

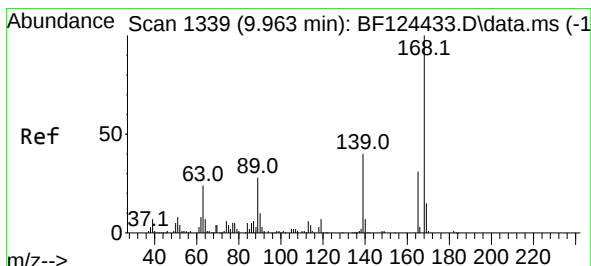
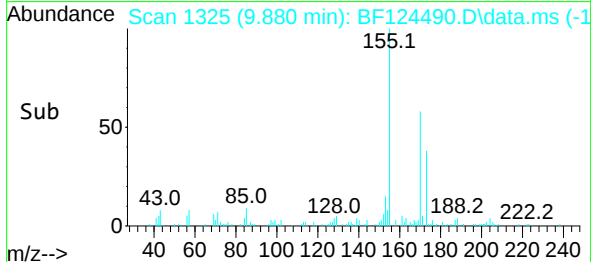
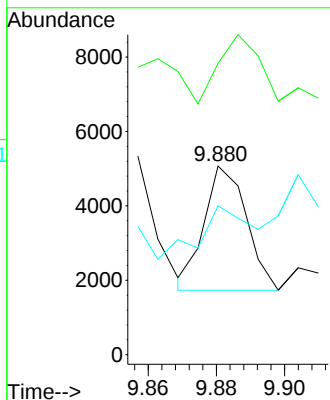
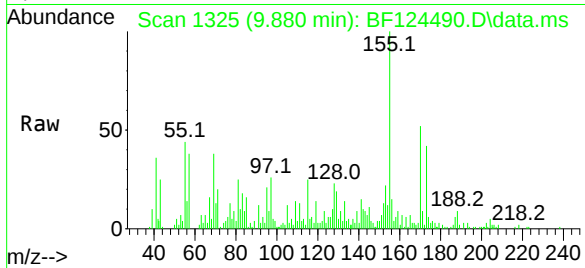




#56
4-Nitrophenol
Concen: 4.829 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF124490.D
Acq: 29 Jun 2021 13:34

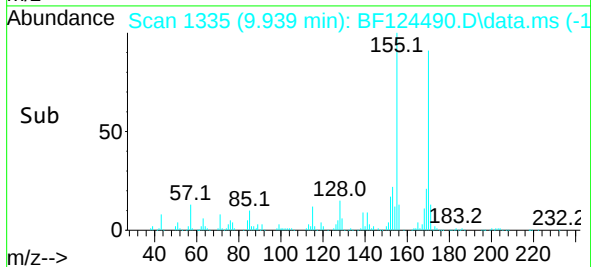
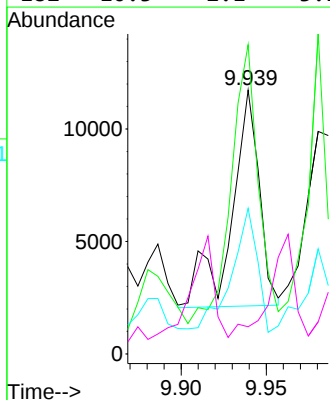
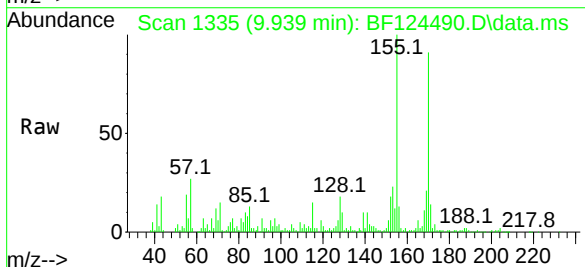
Instrument :
BNA_F
ClientSampleId :
PILE-1-062421DL

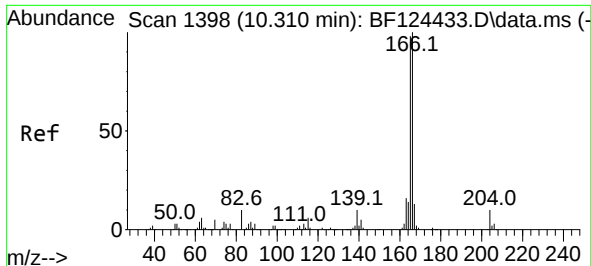
Tgt Ion:139 Resp: 2859
Ion Ratio Lower Upper
139 100
109 154.5 63.2 103.2#
65 78.9 110.0 150.0#



#57
2,4-Dinitrotoluene
Concen: 6.491 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF124490.D
Acq: 29 Jun 2021 13:34

Tgt Ion:165 Resp: 10969
Ion Ratio Lower Upper
165 100
63 117.2 43.5 65.3#
89 55.2 67.7 101.5#
182 10.3 2.1 3.1#

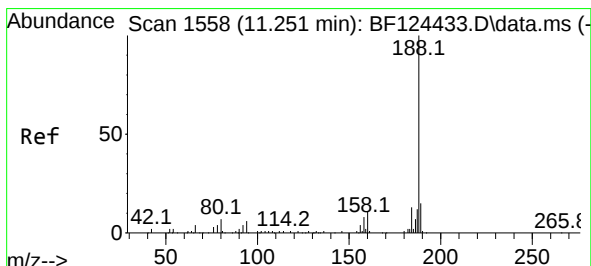
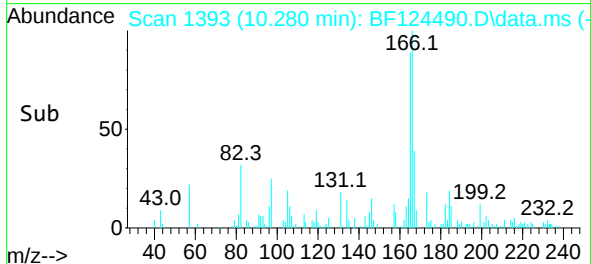
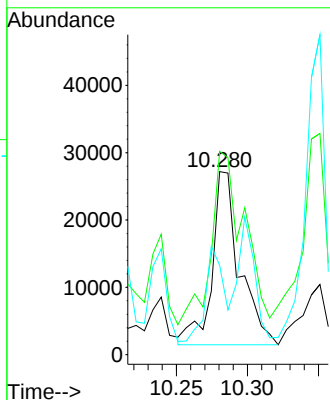
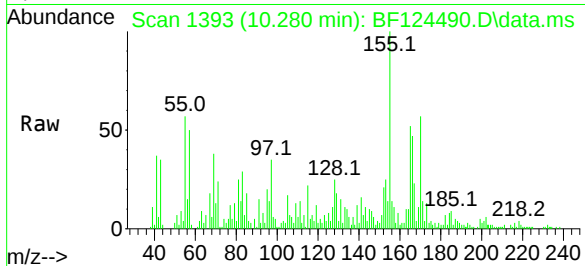




#58
Fluorene
Concen: 6.374 ng
RT: 10.280 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF124490.D
Acq: 29 Jun 2021 13:34

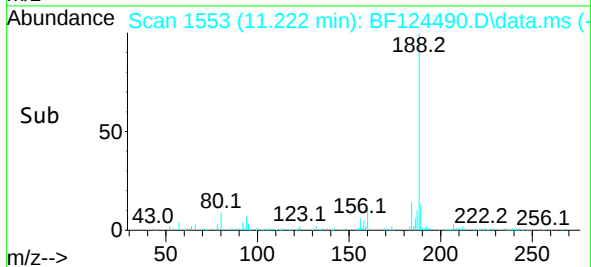
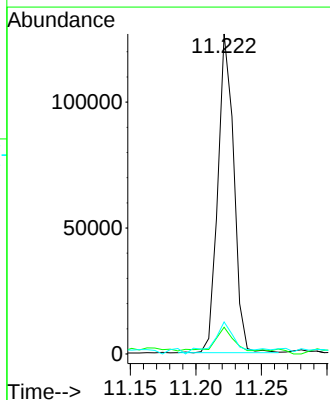
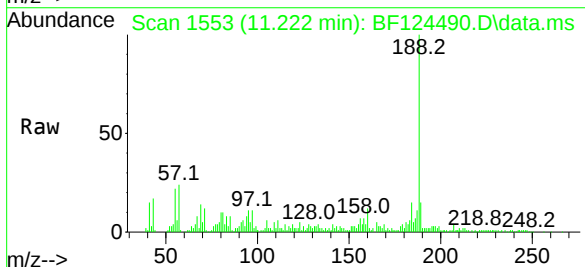
Instrument :
BNA_F
ClientSampleId :
PILE-1-062421DL

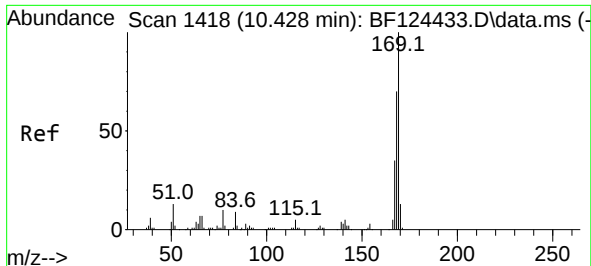
Tgt Ion:166 Resp: 34871
Ion Ratio Lower Upper
166 100
165 111.2 73.5 110.3#
167 48.8 10.7 16.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.222 min Scan# 1553
Delta R.T. 0.006 min
Lab File: BF124490.D
Acq: 29 Jun 2021 13:34

Tgt Ion:188 Resp: 106869
Ion Ratio Lower Upper
188 100
94 8.4 6.9 10.3
80 10.0 8.2 12.2

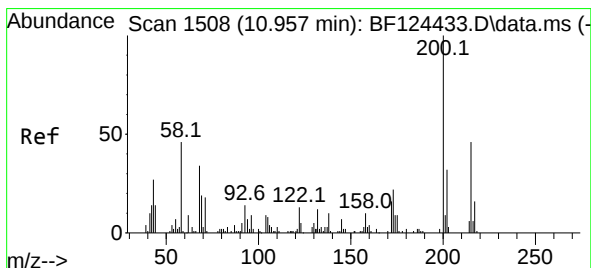
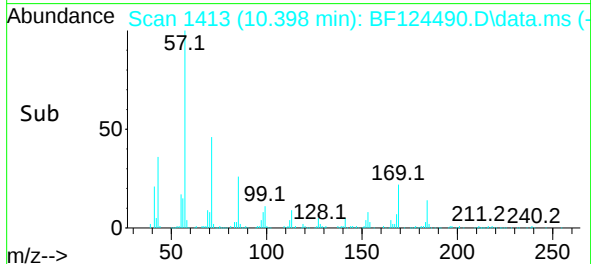
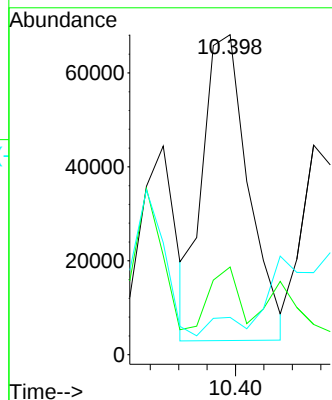
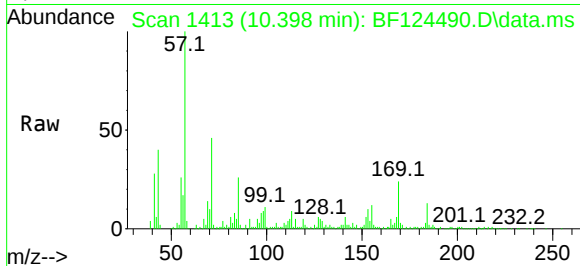




#66
n-Nitrosodiphenylamine
Concen: 17.766 ng
RT: 10.398 min Scan# 1413
Delta R.T. 0.006 min
Lab File: BF124490.D
Acq: 29 Jun 2021 13:34

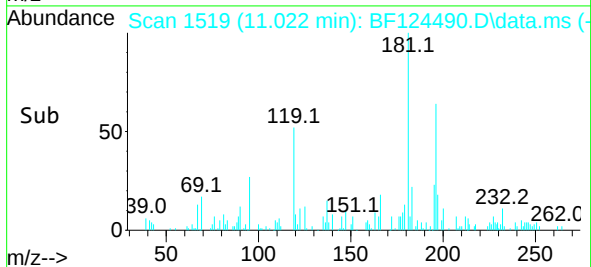
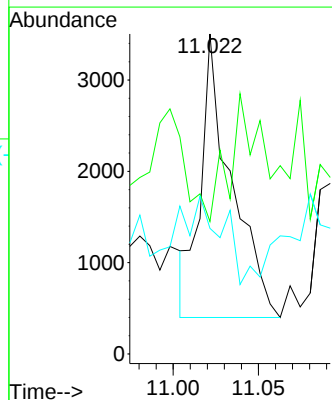
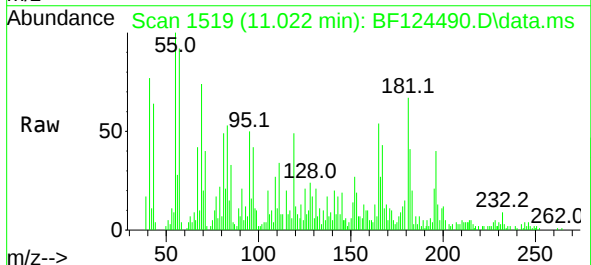
Instrument :
BNA_F
ClientSampleId :
PILE-1-062421DL

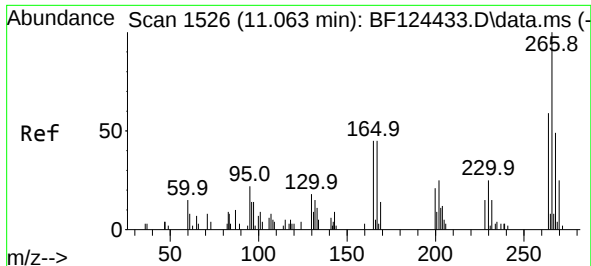
Tgt Ion:169 Resp: 72835
Ion Ratio Lower Upper
169 100
168 27.4 53.3 79.9#
167 11.7 29.9 44.9#



#69
Atrazine
Concen: 3.667 ng
RT: 11.022 min Scan# 1519
Delta R.T. 0.100 min
Lab File: BF124490.D
Acq: 29 Jun 2021 13:34

Tgt Ion:200 Resp: 3879
Ion Ratio Lower Upper
200 100
173 41.4 6.9 46.9
215 39.2 26.5 66.5

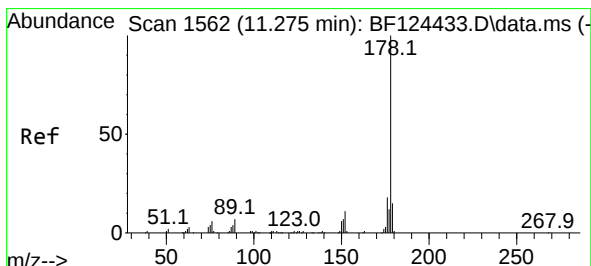
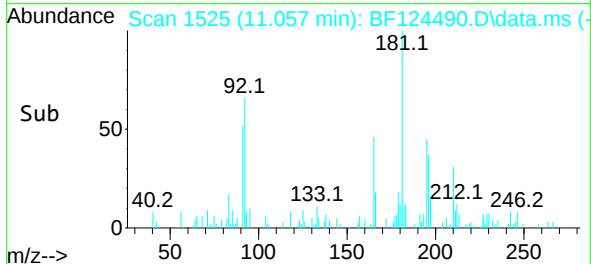
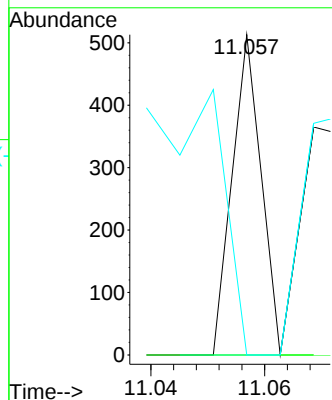
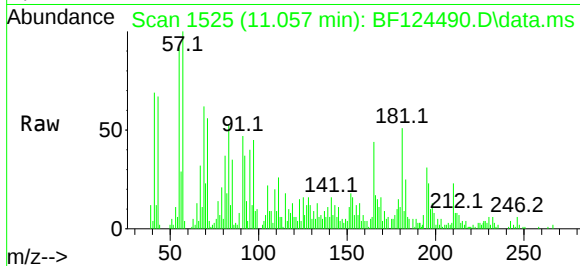




#70
 Pentachlorophenol
 Concen: 6.542 ng
 RT: 11.057 min Scan# 1525
 Delta R.T. 0.024 min
 Lab File: BF124490.D
 Acq: 29 Jun 2021 13:34

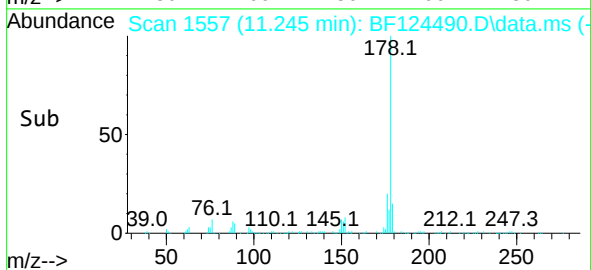
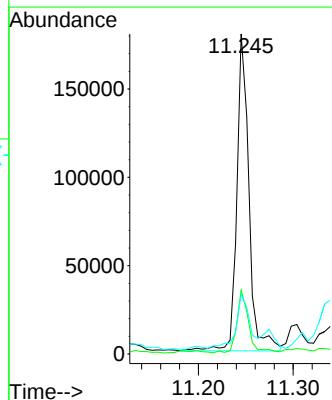
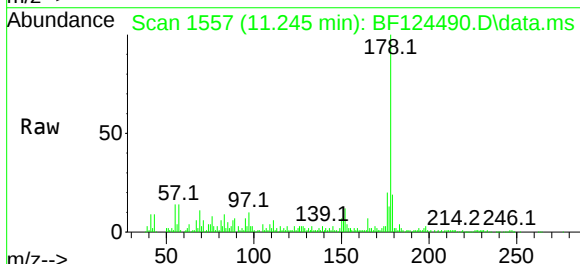
Instrument :
 BNA_F
 ClientSampleId :
 PILE-1-062421DL

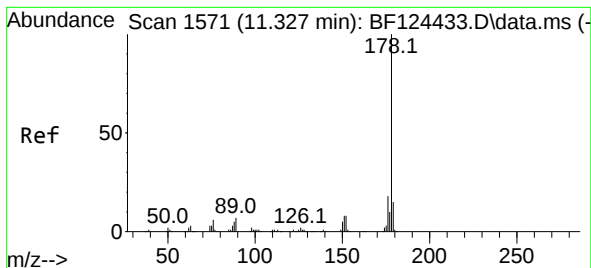
Tgt Ion:266 Resp: 181
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.6 77.4#
 264 0.0 52.6 78.8#



#71
 Phenanthrene
 Concen: 23.667 ng
 RT: 11.245 min Scan# 1557
 Delta R.T. 0.006 min
 Lab File: BF124490.D
 Acq: 29 Jun 2021 13:34

Tgt Ion:178 Resp: 159440
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.6 23.4
 179 18.6 12.5 18.7

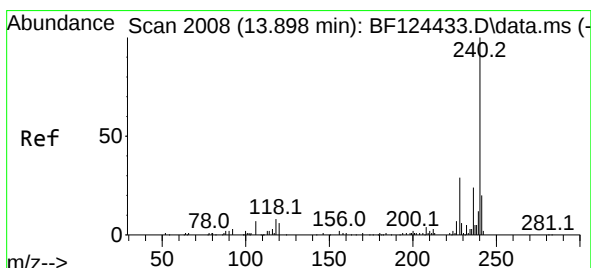
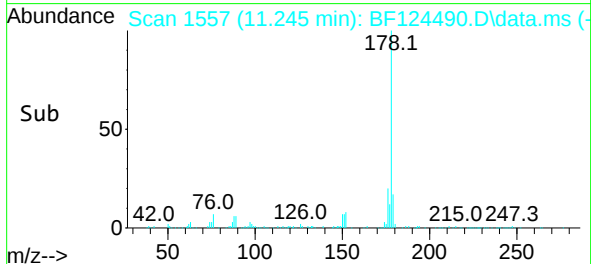
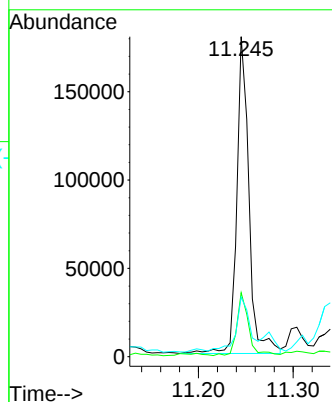
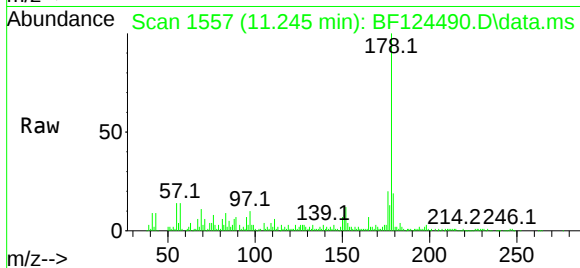




#72
 Anthracene
 Concen: 23.705 ng
 RT: 11.245 min Scan# 1557
 Delta R.T. -0.047 min
 Lab File: BF124490.D
 Acq: 29 Jun 2021 13:34

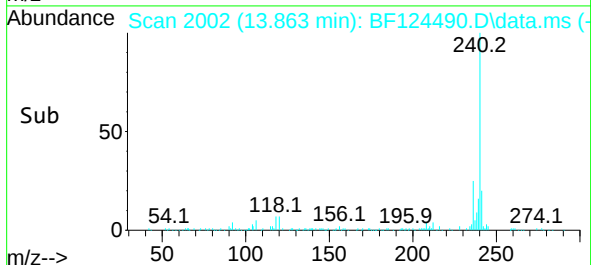
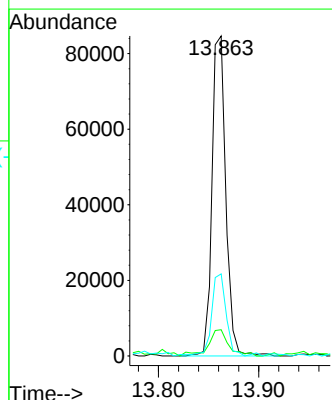
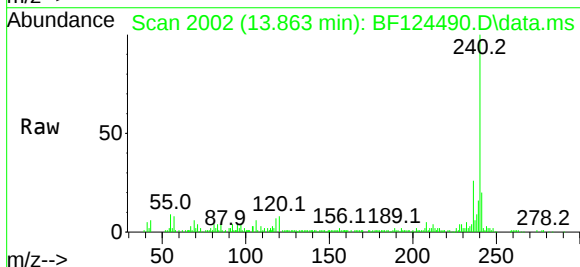
Instrument :
 BNA_F
 ClientSampleId :
 PILE-1-062421DL

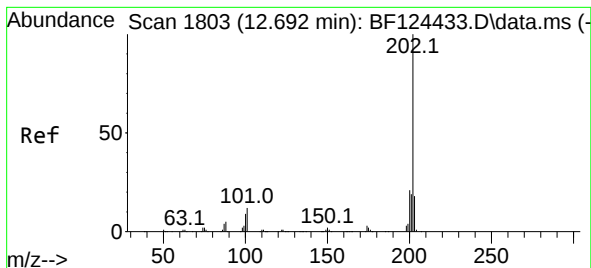
Tgt Ion:178 Resp: 159117
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.4 23.0
 179 18.6 12.6 18.8



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.863 min Scan# 2002
 Delta R.T. 0.006 min
 Lab File: BF124490.D
 Acq: 29 Jun 2021 13:34

Tgt Ion:240 Resp: 81320
 Ion Ratio Lower Upper
 240 100
 120 8.2 7.2 10.8
 236 25.7 19.0 28.4





#78

Pyrene

Concen: 5.393 ng

RT: 12.663 min Scan# 1798

Delta R.T. 0.006 min

Lab File: BF124490.D

Acq: 29 Jun 2021 13:34

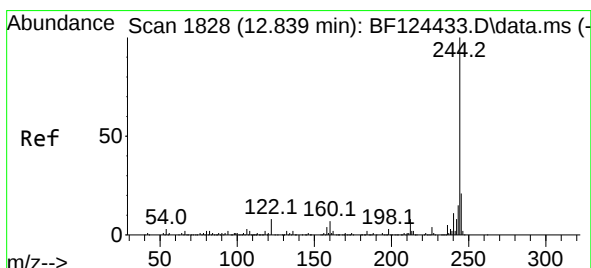
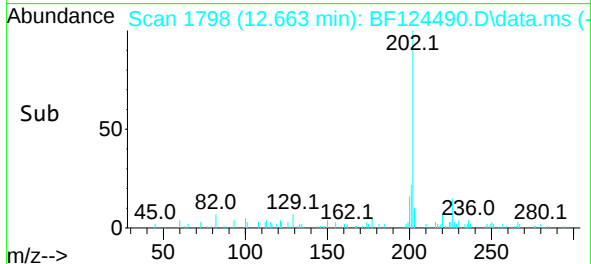
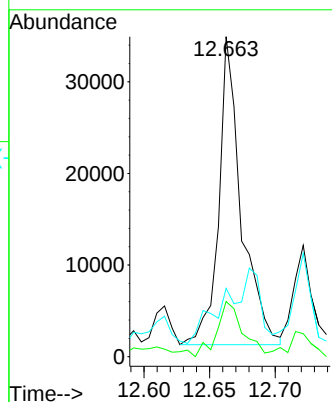
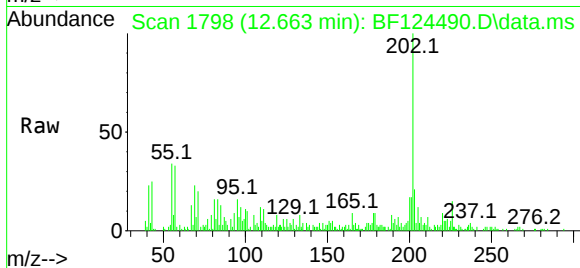
Tgt Ion:202 Resp: 40029

Ion Ratio Lower Upper

202 100

200 17.3 16.1 24.1

203 21.3 14.8 22.2



#79

Terphenyl-d14

Concen: 8.287 ng

RT: 12.798 min Scan# 1821

Delta R.T. 0.000 min

Lab File: BF124490.D

Acq: 29 Jun 2021 13:34

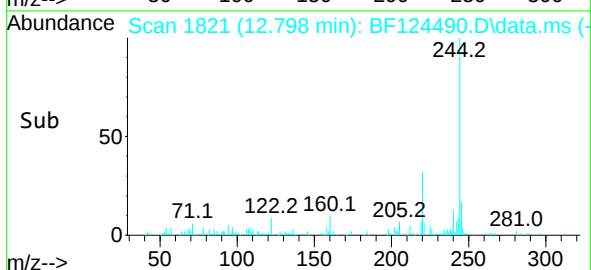
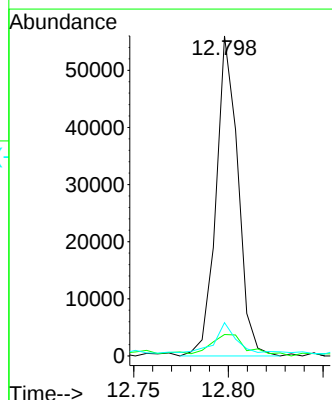
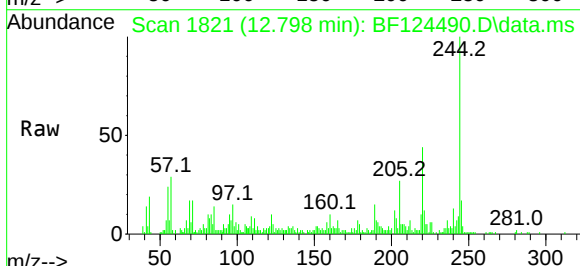
Tgt Ion:244 Resp: 44994

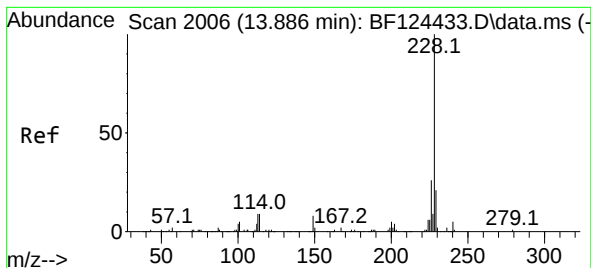
Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

122 10.4 9.7 14.5





#81

Benzo(a)anthracene

Concen: 2.582 ng

RT: 13.886 min Scan# 2006

Delta R.T. 0.035 min

Lab File: BF124490.D

Acq: 29 Jun 2021 13:34

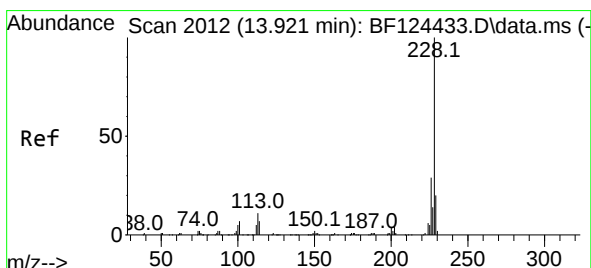
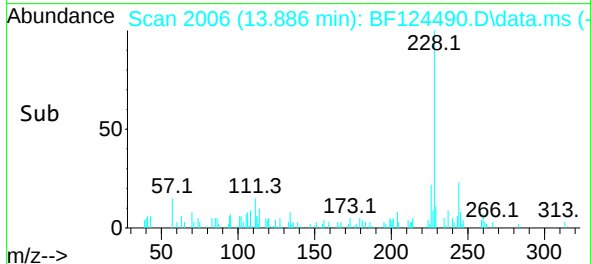
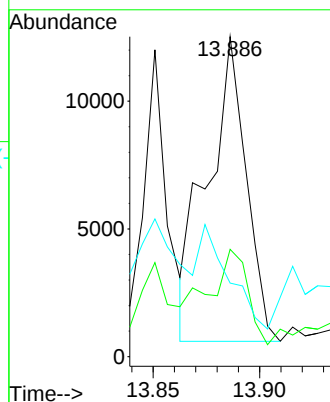
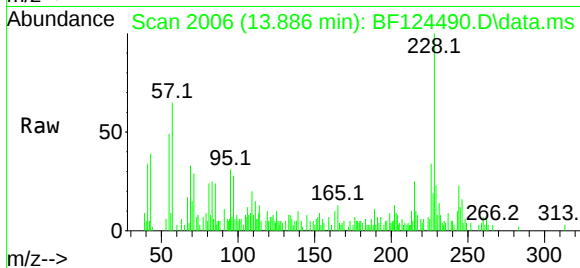
Instrument :

BNA_F

ClientSampleId :

PILE-1-062421DL

Tgt Ion:	228	Resp:	15139
Ion Ratio	Lower	Upper	
228	100		
226	33.6	22.4	33.6
229	23.0	16.0	24.0



#83

Chrysene

Concen: 2.606 ng

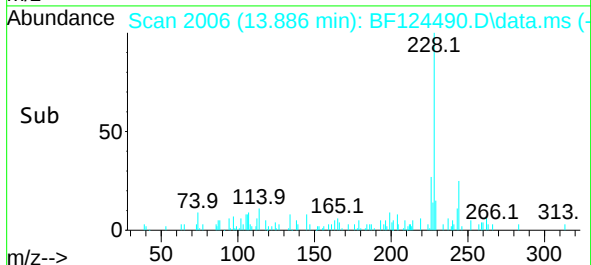
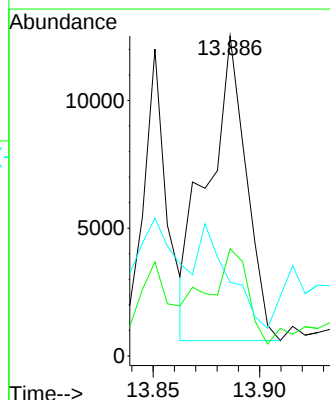
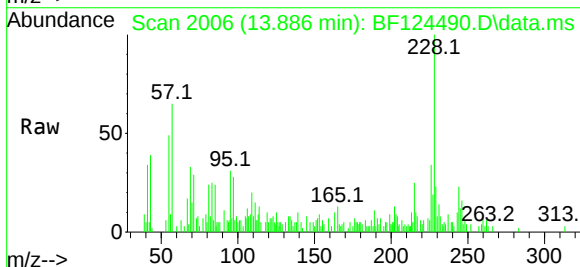
RT: 13.886 min Scan# 2006

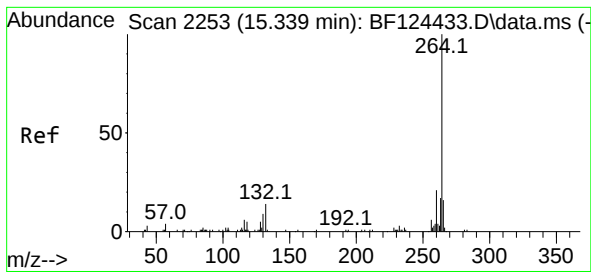
Delta R.T. 0.000 min

Lab File: BF124490.D

Acq: 29 Jun 2021 13:34

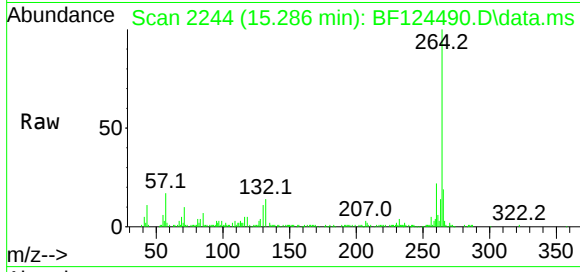
Tgt Ion:	228	Resp:	15139
Ion Ratio	Lower	Upper	
228	100		
226	33.6	24.3	36.5
229	23.0	16.2	24.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.286 min Scan# 2244
Delta R.T. 0.000 min
Lab File: BF124490.D
Acq: 29 Jun 2021 13:34

Instrument :
BNA_F
ClientSampleId :
PILE-1-062421DL



Tgt Ion:264	Resp:	89679
Ion Ratio	Lower	Upper
264	100	
260	22.0	18.7 28.1
265	18.8	17.8 26.8

