

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072721\
 Data File : BF124816.D
 Acq On : 28 Jul 2021 3:36
 Operator : JU/CG
 Sample : M3176-01DL 25X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B7-TP-(9.5-12)DL

Quant Time: Jul 28 04:09:09 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)

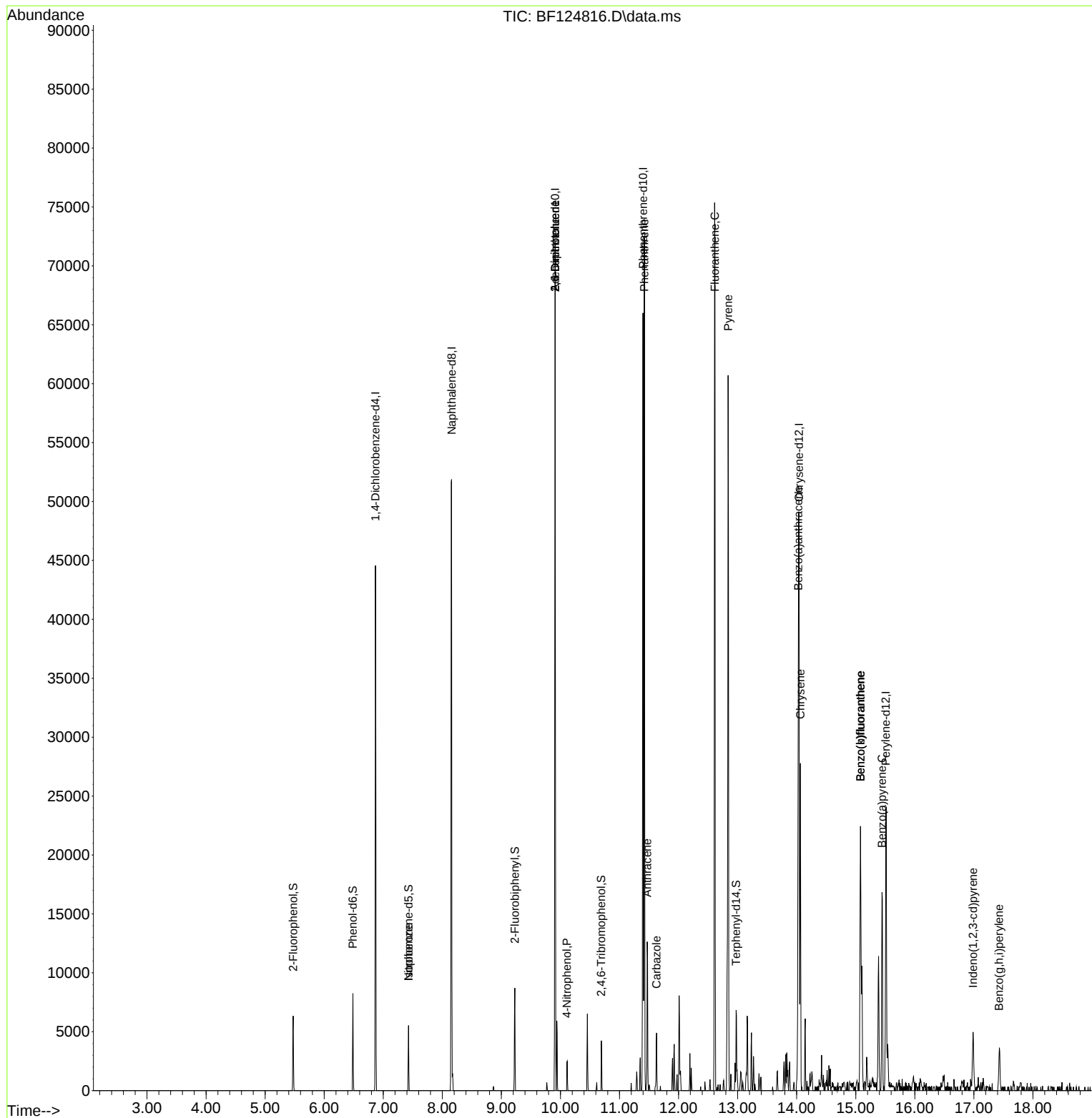
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	6007	20.00	ng	# 0.00
21) Naphthalene-d8	8.157	136	24017	20.00	ng	0.00
39) Acenaphthene-d10	9.910	164	13654	20.00	ng	0.00
64) Phenanthrene-d10	11.398	188	23041	20.00	ng	0.00
76) Chrysene-d12	14.039	240	14928	20.00	ng	# 0.00
86) Perylene-d12	15.510	264	12731	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	2239	6.31	ng	0.00
7) Phenol-d6	6.487	99	2626	5.90	ng	-0.01
23) Nitrobenzene-d5	7.428	82	1738	4.31	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	636	5.43	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	3693	3.97	ng	0.00
79) Terphenyl-d14	12.974	244	3522	4.04	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.428	82	1738	2.44	ng	# 59
51) 2,6-Dinitrotoluene	9.910	165	1580	7.61	ng	# 26
56) 4-Nitrophenol	10.110	139	478	2.77	ng	# 10
57) 2,4-Dinitrotoluene	9.910	165	1580	5.61	ng	# 18
71) Phenanthrene	11.422	178	23805	19.21	ng	98
72) Anthracene	11.469	178	5784	4.67	ng	96
73) Carbazole	11.627	167	2769	2.38	ng	96
75) Fluoranthene	12.616	202	32715	25.87	ng	96
78) Pyrene	12.839	202	26343	22.29	ng	99
81) Benzo(a)anthracene	14.027	228	13132	13.46	ng	98
83) Chrysene	14.063	228	10760	11.45	ng	96
87) Indeno(1,2,3-cd)pyrene	16.986	276	4176	5.68	ng	# 79
88) Benzo(b)fluoranthene	15.080	252	17902	19.97	ng	98
89) Benzo(k)fluoranthene	15.080	252	17902	21.86	ng	98
90) Benzo(a)pyrene	15.445	252	8803	11.76	ng	98
92) Benzo(g,h,i)perylene	17.427	276	3489	5.72	ng	# 92

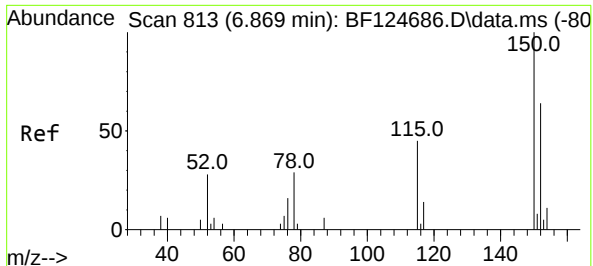
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072721\
Data File : BF124816.D
Acq On : 28 Jul 2021 3:36
Operator : JU/CG
Sample : M3176-01DL 25X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)DL

Quant Time: Jul 28 04:09:09 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

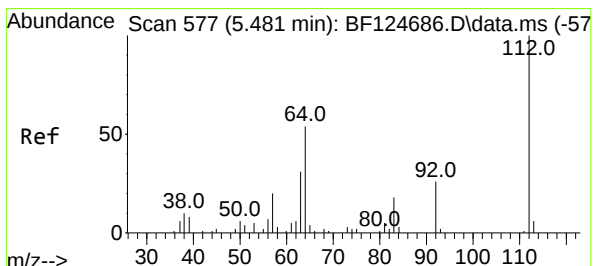
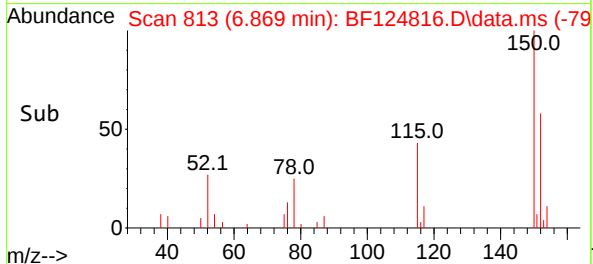
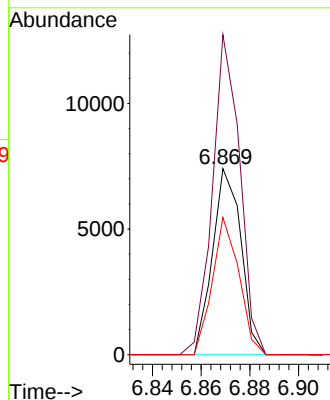
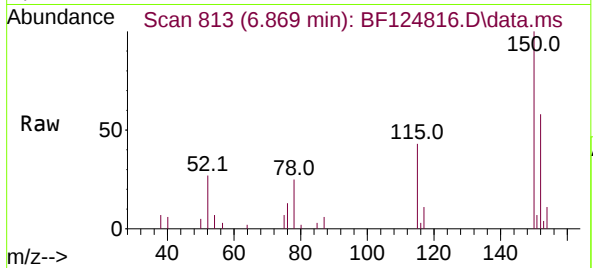




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36

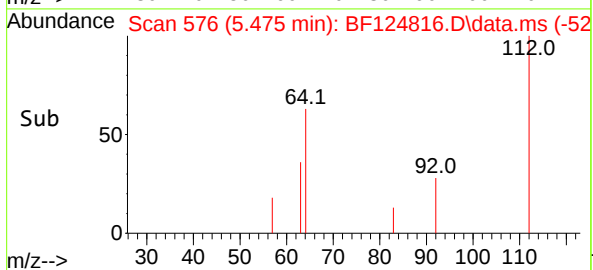
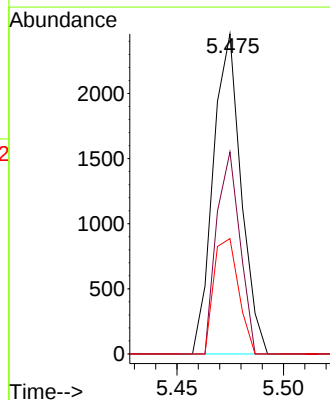
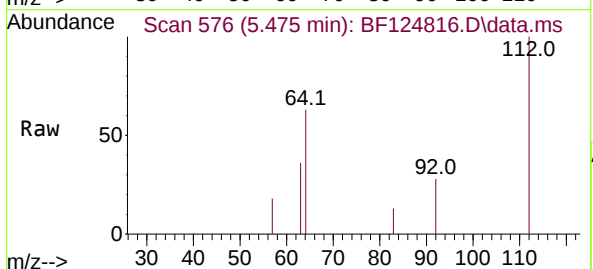
Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)DL

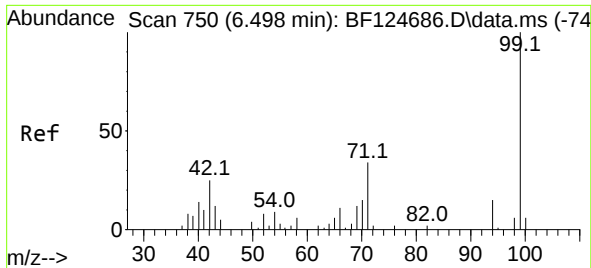
Tgt Ion:152 Resp: 6007
Ion Ratio Lower Upper
152 100
150 172.0 117.6 176.4
115 73.7 47.1 70.7#



#5
2-Fluorophenol
Concen: 6.31 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36

Tgt Ion:112 Resp: 2239
Ion Ratio Lower Upper
112 100
64 63.1 44.2 66.2
63 36.1 26.2 39.2

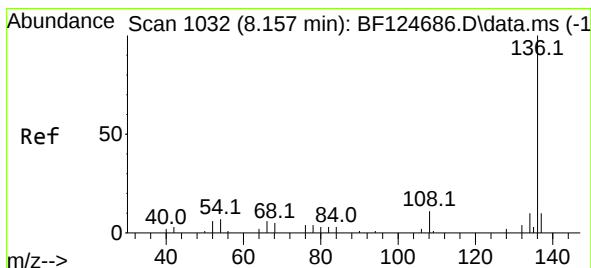
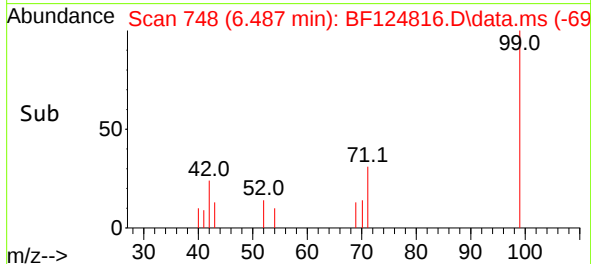
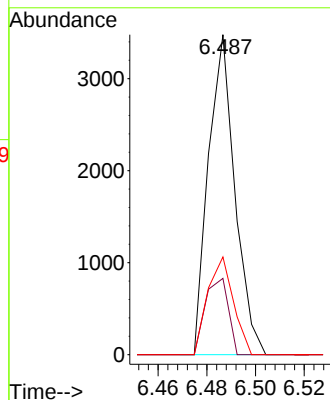
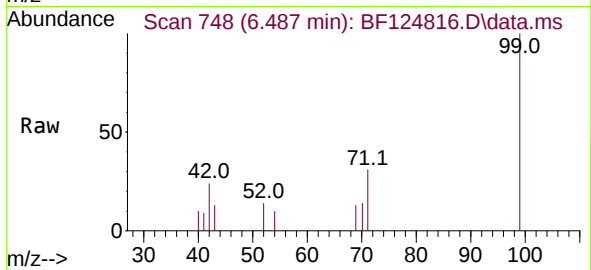




#7
Phenol-d6
Concen: 5.90 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36

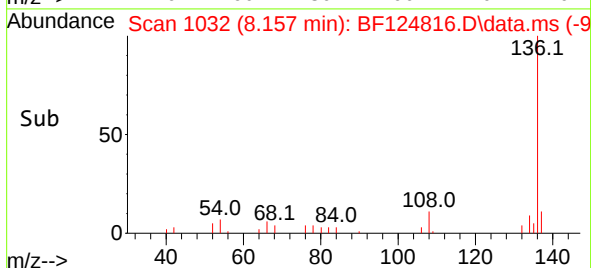
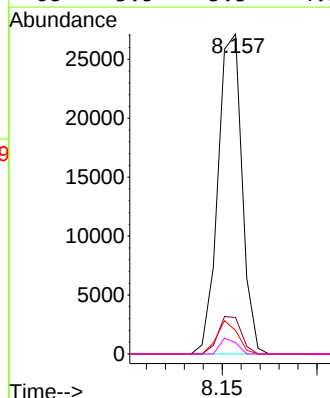
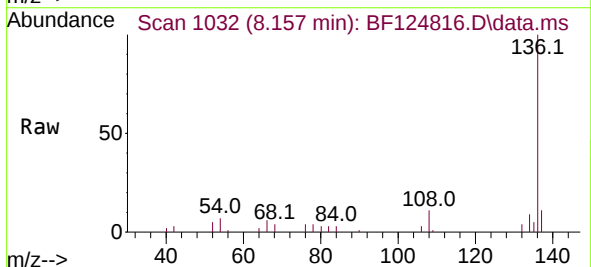
Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)DL

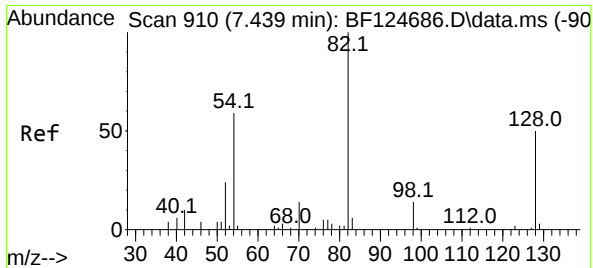
Tgt Ion:	99	Resp:	2626
Ion	Ratio	Lower	Upper
99	100		
42	23.8	23.5	35.3
71	30.5	25.6	38.4



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36

Tgt Ion:	136	Resp:	24017
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.8	14.6
54	7.4	6.4	9.6
68	3.5	3.3	4.9





#23

Nitrobenzene-d5

Concen: 4.31 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF124816.D

Acq: 28 Jul 2021 3:36

Tgt Ion: 82 Resp: 1738

Ion Ratio Lower Upper

82 100

128 40.6 40.6 60.8

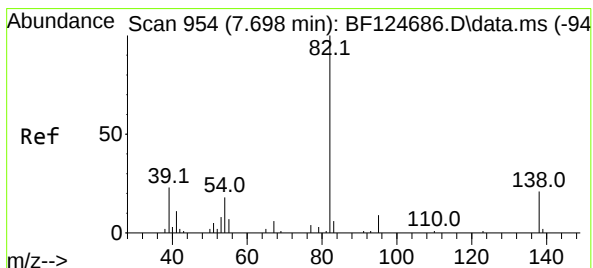
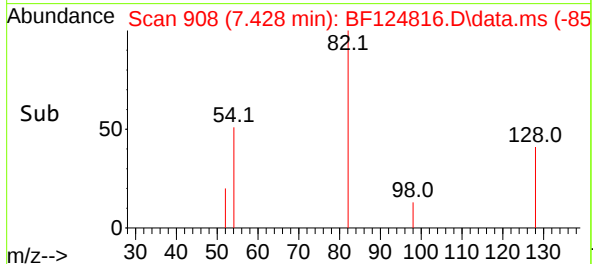
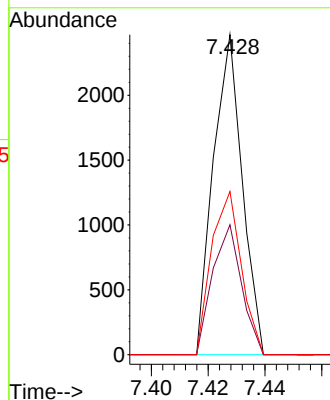
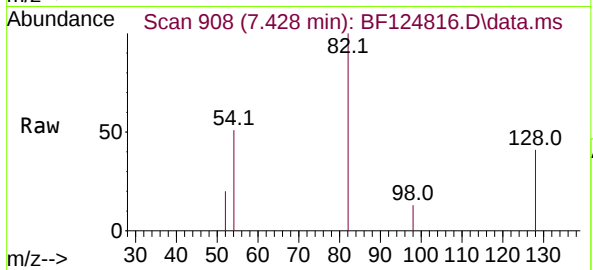
54 51.0 49.6 74.4

Instrument :

BNA_F

ClientSampleId :

18-B7-TP-(9.5-12)DL



#25

Isophorone

Concen: 2.44 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.271 min

Lab File: BF124816.D

Acq: 28 Jul 2021 3:36

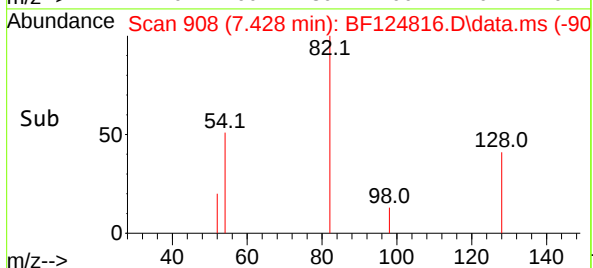
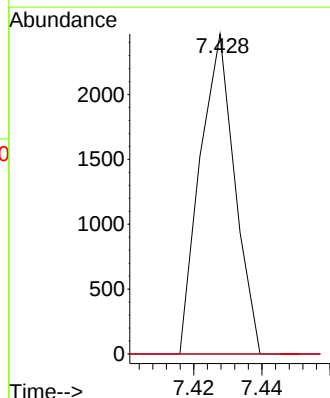
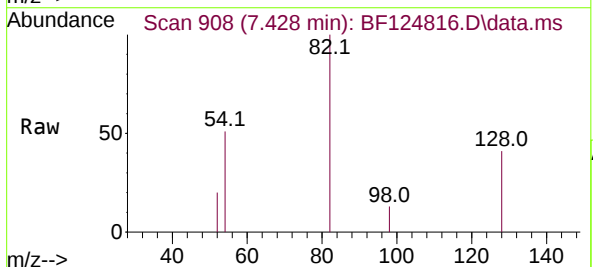
Tgt Ion: 82 Resp: 1738

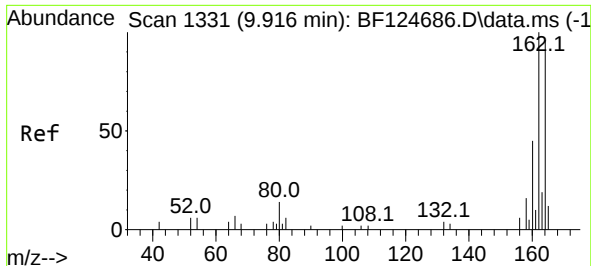
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.910 min Scan# 1330

Delta R.T. -0.006 min

Lab File: BF124816.D

Acq: 28 Jul 2021 3:36

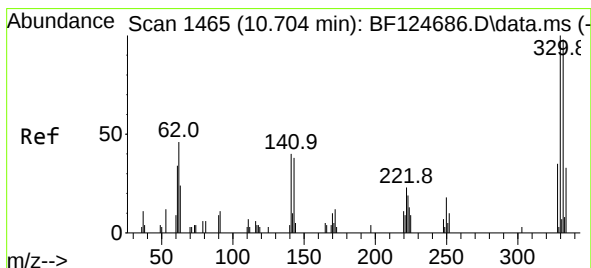
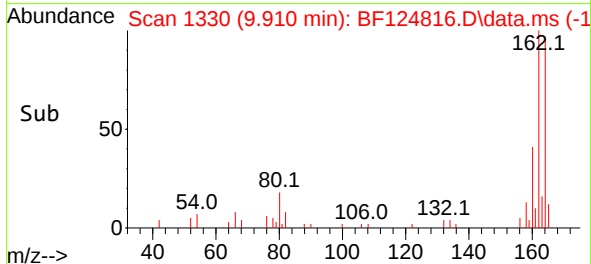
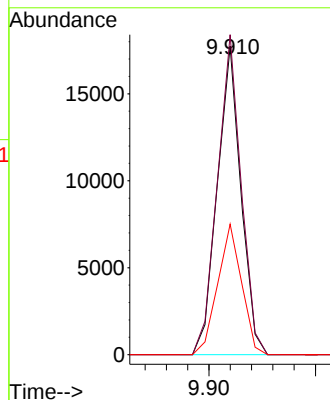
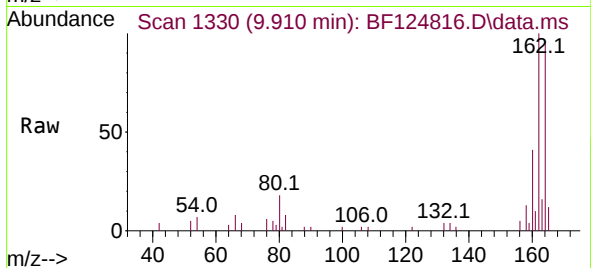
Tgt Ion:164 Resp: 13654

Ion Ratio Lower Upper

164 100

162 103.7 81.3 121.9

160 42.3 38.0 57.0



#42

2,4,6-Tribromophenol

Concen: 5.43 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.012 min

Lab File: BF124816.D

Acq: 28 Jul 2021 3:36

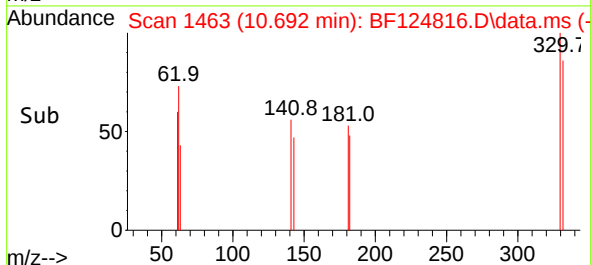
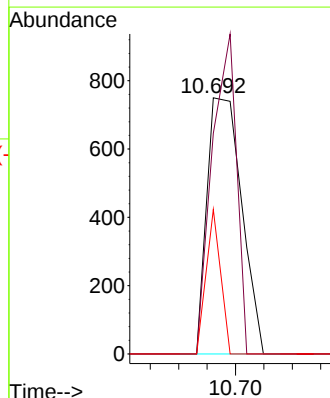
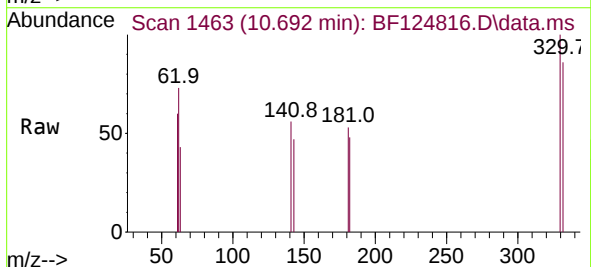
Tgt Ion:330 Resp: 636

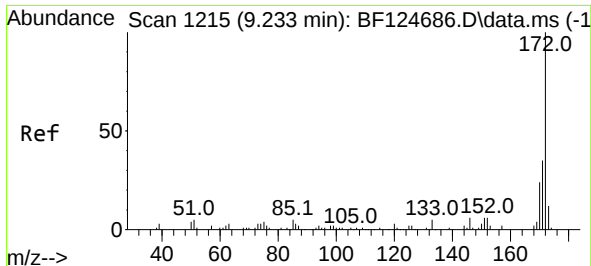
Ion Ratio Lower Upper

330 100

332 87.9 76.2 114.4

141 23.4 44.6 66.8#

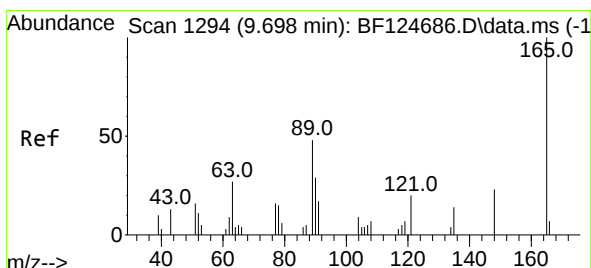
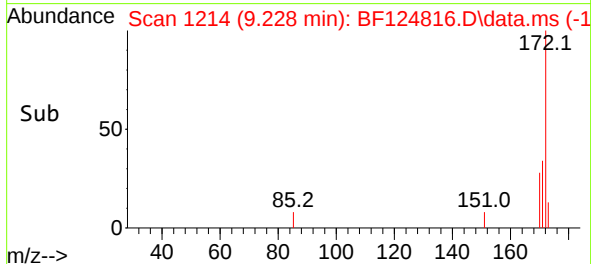
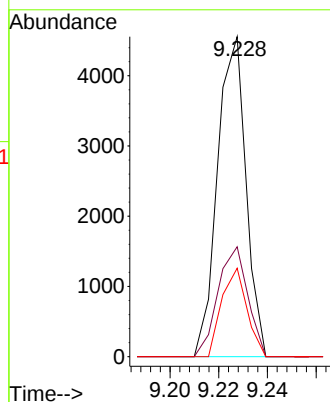
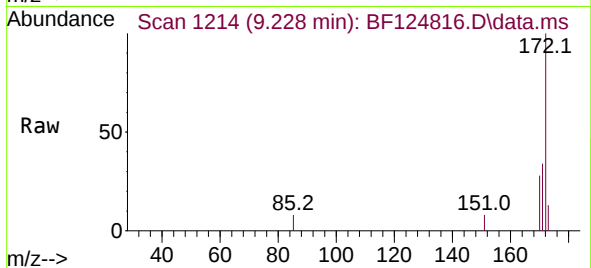




#45
2-Fluorobiphenyl
Concen: 3.97 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36

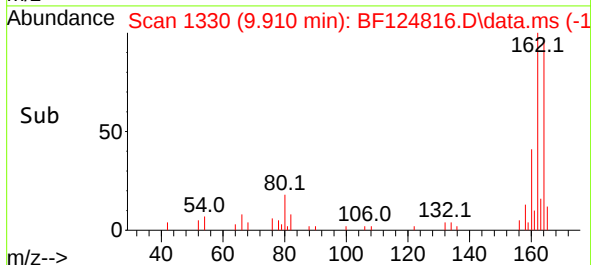
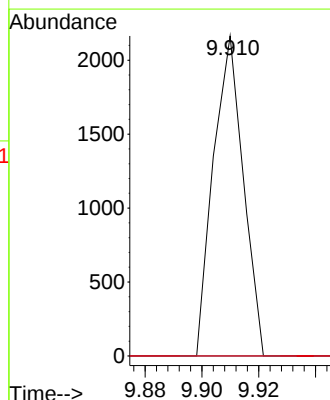
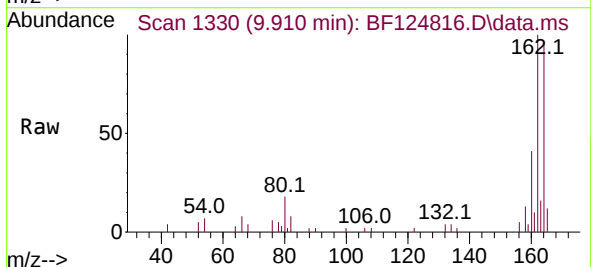
Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)DL

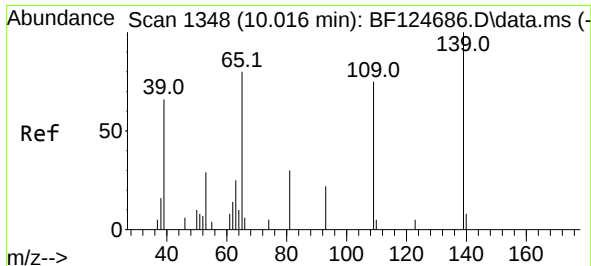
Tgt Ion:172 Resp: 3693
Ion Ratio Lower Upper
172 100
171 34.4 26.5 39.7
170 27.7 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 7.61 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.212 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36

Tgt Ion:165 Resp: 1580
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 40.6 60.8#

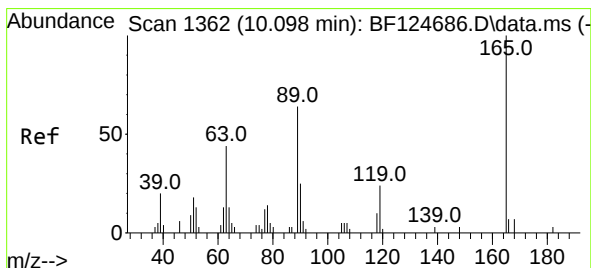
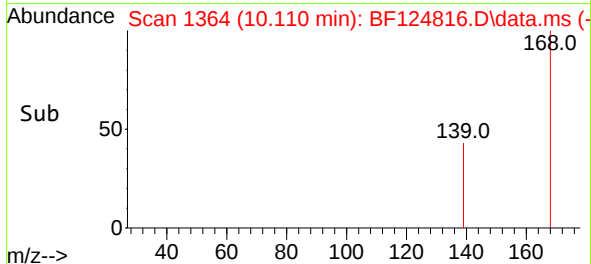
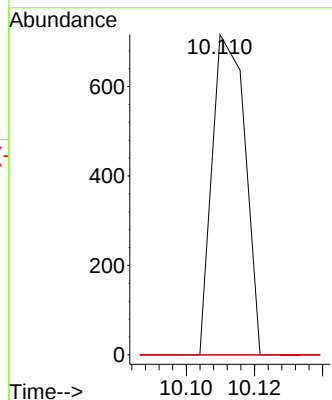
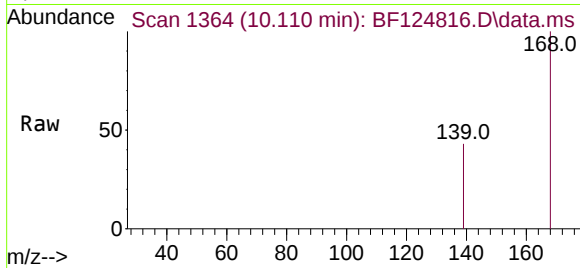




#56
4-Nitrophenol
Concen: 2.77 ng
RT: 10.110 min Scan# 1364
Delta R.T. 0.094 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36

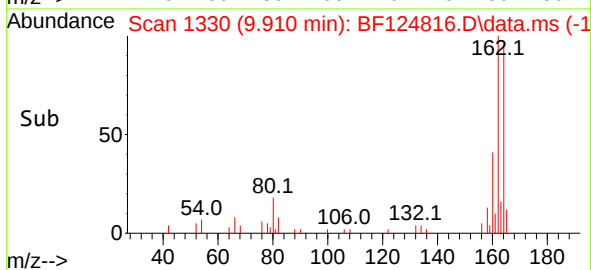
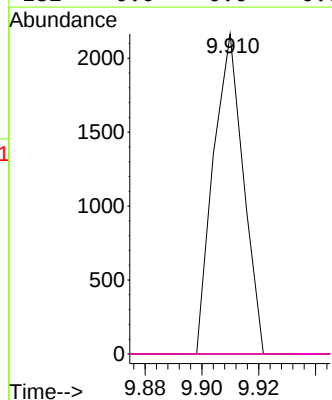
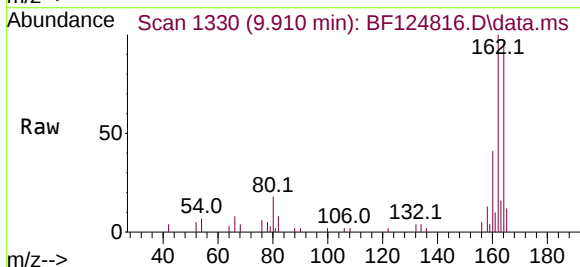
Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)DL

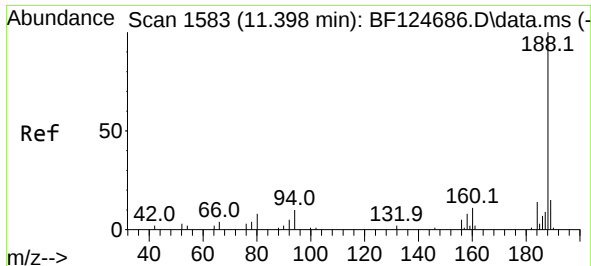
Tgt Ion:139 Resp: 478
Ion Ratio Lower Upper
139 100
109 0.0 60.4 100.4#
65 0.0 58.4 98.4#



#57
2,4-Dinitrotoluene
Concen: 5.61 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.188 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36

Tgt Ion:165 Resp: 1580
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

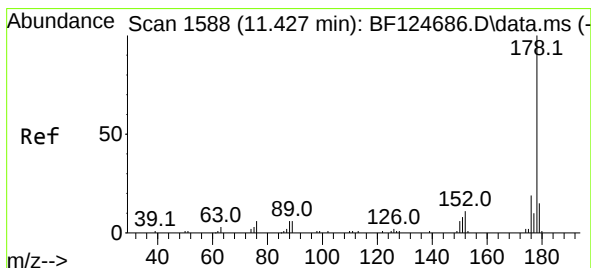
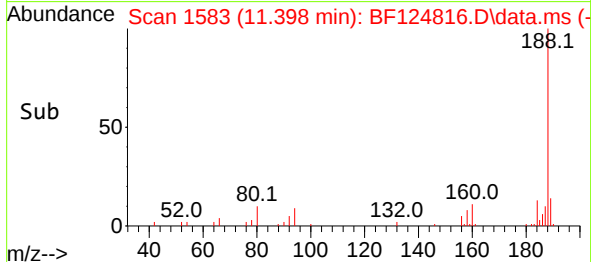
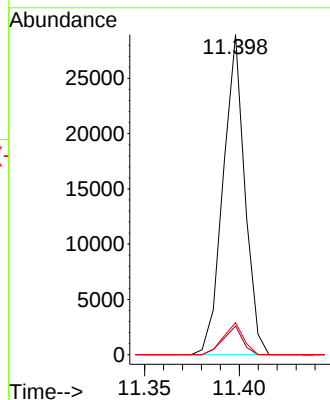
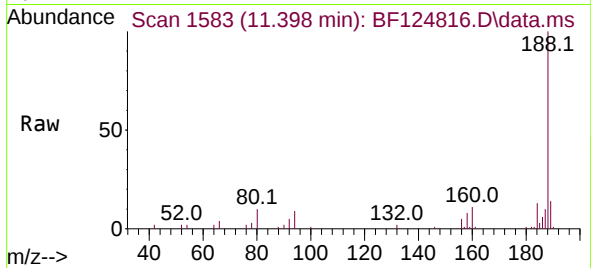




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36

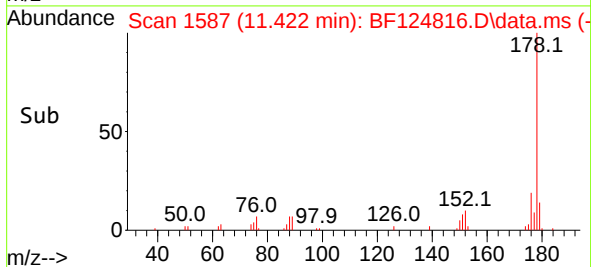
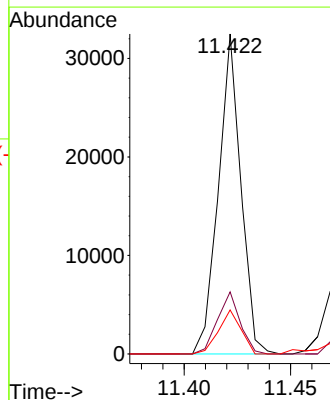
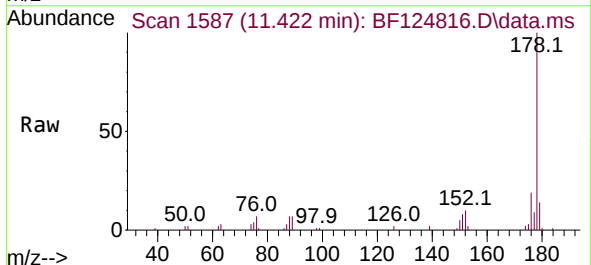
Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)DL

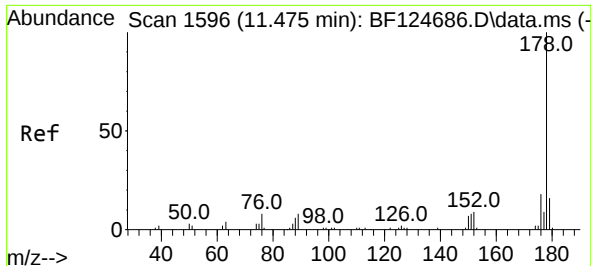
Tgt Ion:188 Resp: 23041
Ion Ratio Lower Upper
188 100
94 8.9 6.7 10.1
80 10.0 7.5 11.3



#71
Phenanthrene
Concen: 19.21 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36

Tgt Ion:178 Resp: 23805
Ion Ratio Lower Upper
178 100
176 19.4 14.7 22.1
179 13.7 11.5 17.3

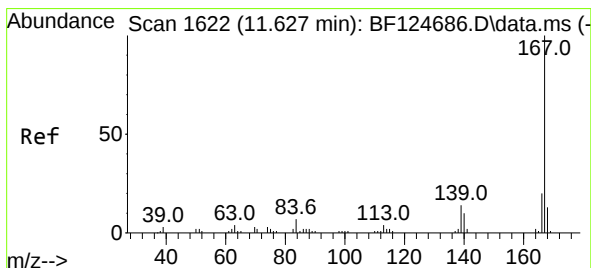
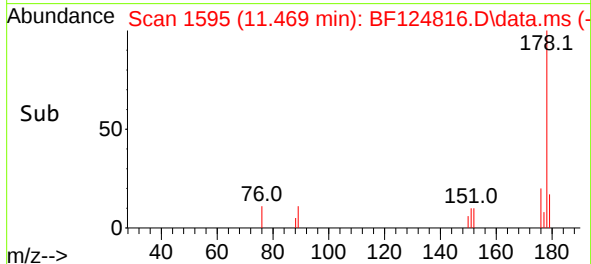
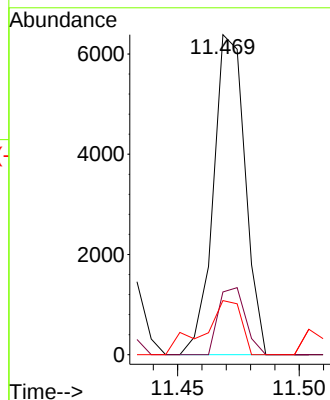
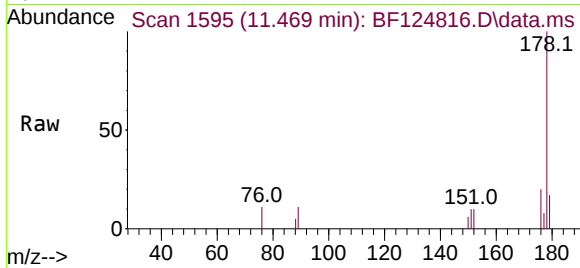




#72
 Anthracene
 Concen: 4.67 ng
 RT: 11.469 min Scan# 1595
 Delta R.T. -0.006 min
 Lab File: BF124816.D
 Acq: 28 Jul 2021 3:36

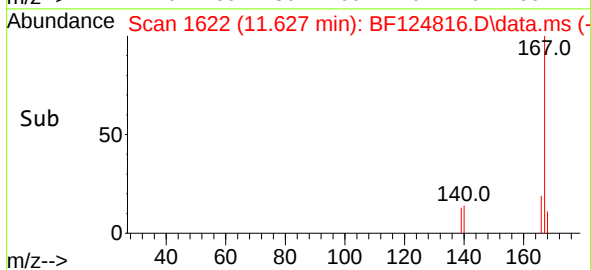
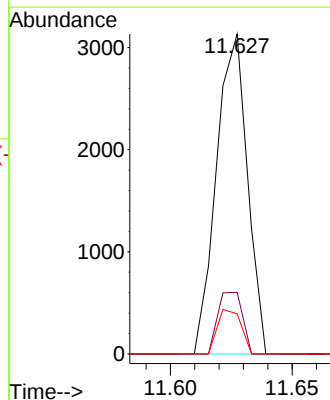
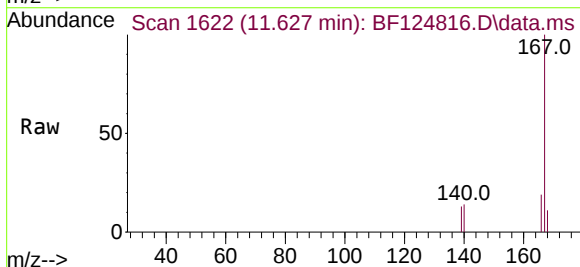
Instrument :
 BNA_F
 ClientSampleId :
 18-B7-TP-(9.5-12)DL

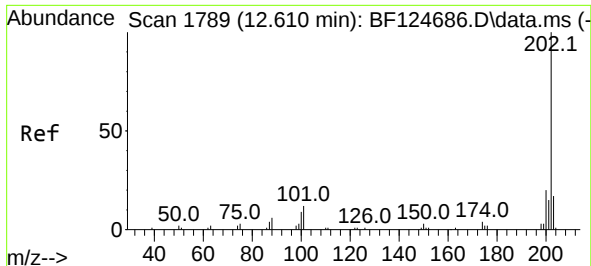
Tgt Ion:178 Resp: 5784
 Ion Ratio Lower Upper
 178 100
 176 19.6 14.3 21.5
 179 16.9 12.2 18.4



#73
 Carbazole
 Concen: 2.38 ng
 RT: 11.627 min Scan# 1622
 Delta R.T. -0.000 min
 Lab File: BF124816.D
 Acq: 28 Jul 2021 3:36

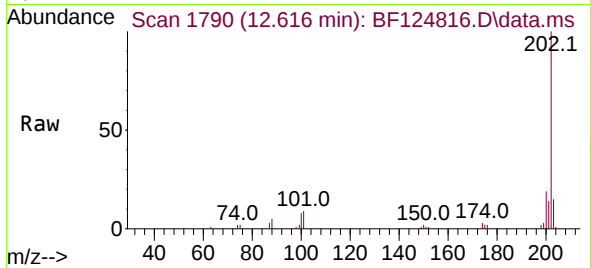
Tgt Ion:167 Resp: 2769
 Ion Ratio Lower Upper
 167 100
 166 19.2 17.4 26.0
 139 12.6 11.0 16.4



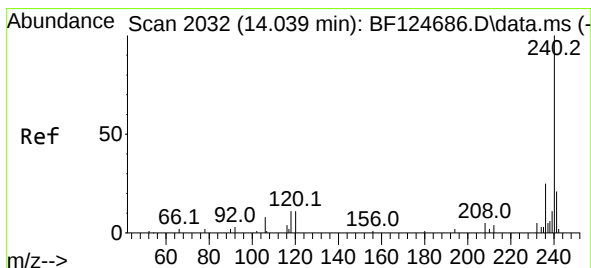
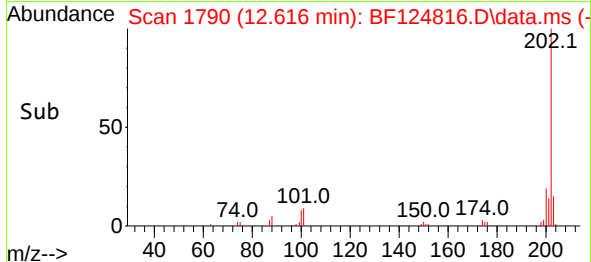
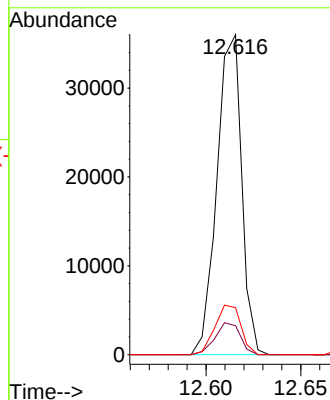


#75
Fluoranthene
Concen: 25.87 ng
RT: 12.616 min Scan# 1790
Delta R.T. 0.006 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36

Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)DL

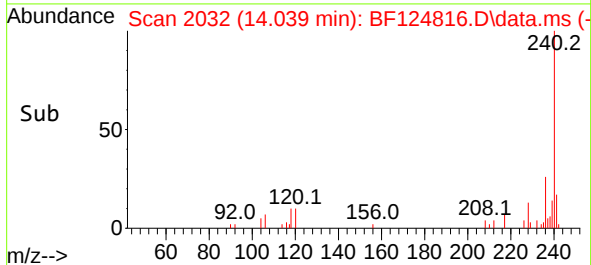
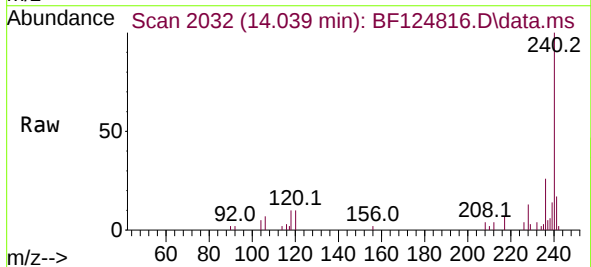
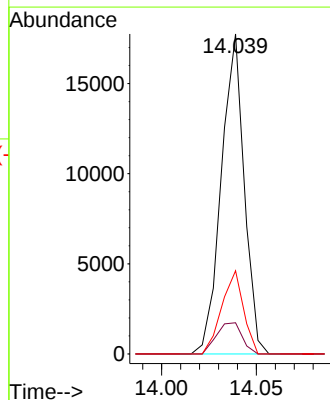


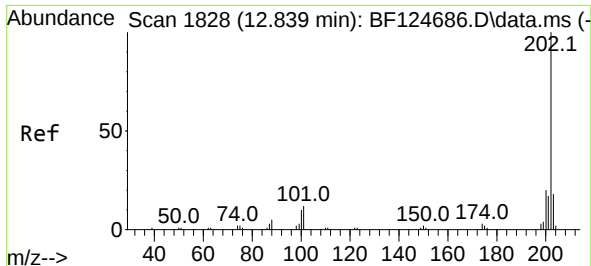
Tgt Ion:202 Resp: 32715
Ion Ratio Lower Upper
202 100
101 9.0 0.0 30.7
203 14.7 0.0 36.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36

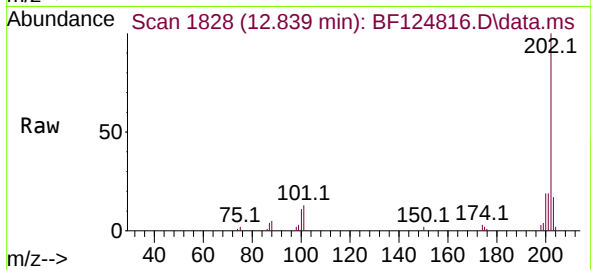
Tgt Ion:240 Resp: 14928
Ion Ratio Lower Upper
240 100
120 9.8 10.8 16.2#
236 26.0 21.6 32.4



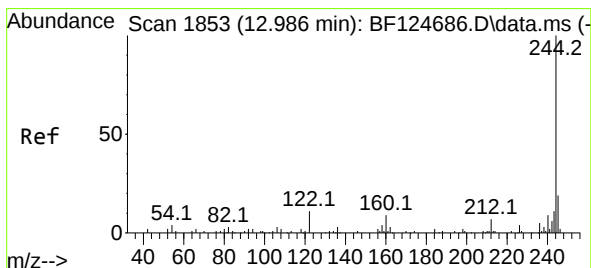
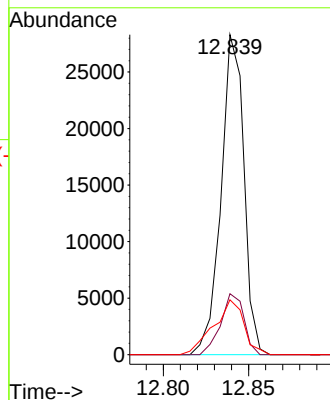
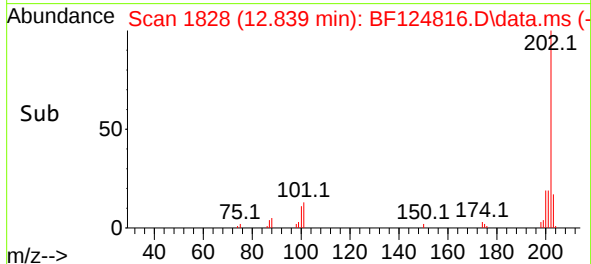


#78
Pyrene
Concen: 22.29 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36

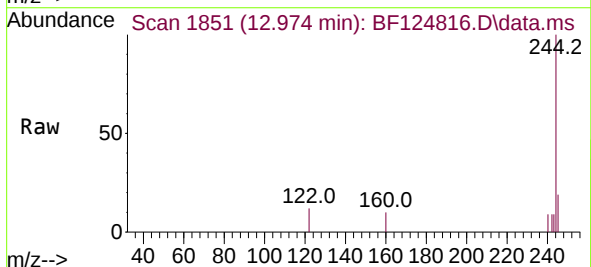
Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)DL



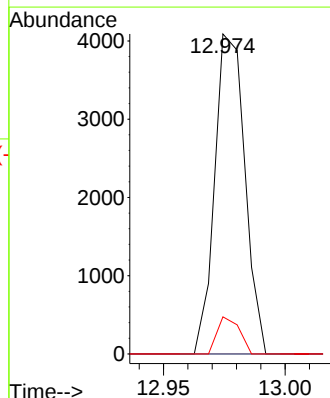
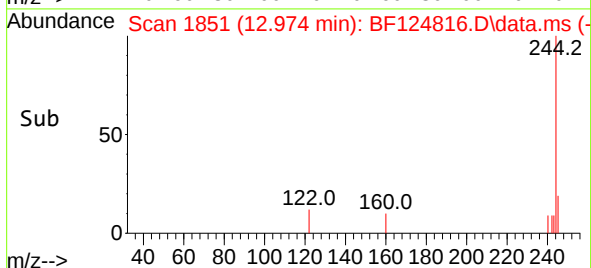
Tgt Ion:202 Resp: 26343
Ion Ratio Lower Upper
202 100
200 19.0 15.3 22.9
203 17.2 13.4 20.0

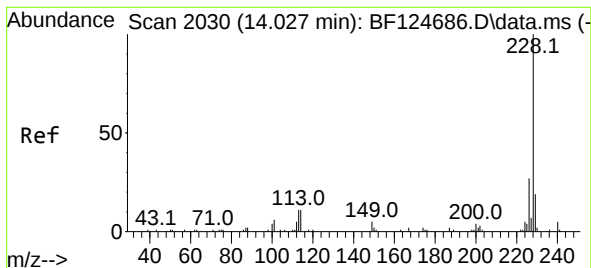


#79
Terphenyl-d14
Concen: 4.04 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36



Tgt Ion:244 Resp: 3522
Ion Ratio Lower Upper
244 100
212 0.0 5.9 8.9#
122 11.6 9.0 13.4

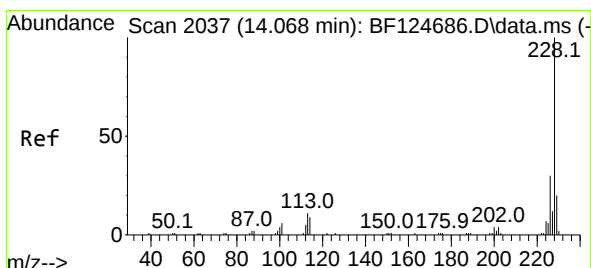
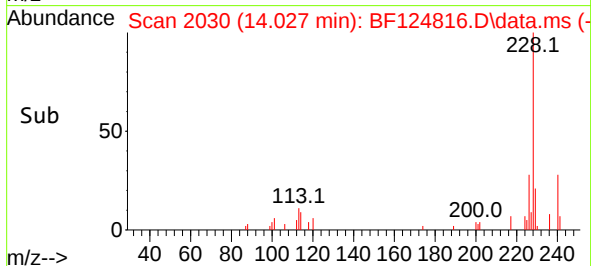
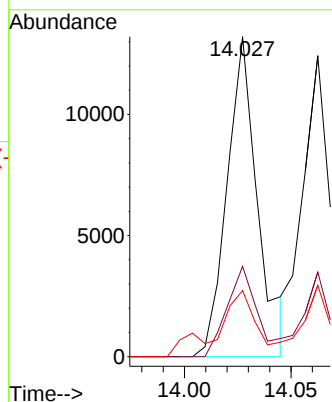
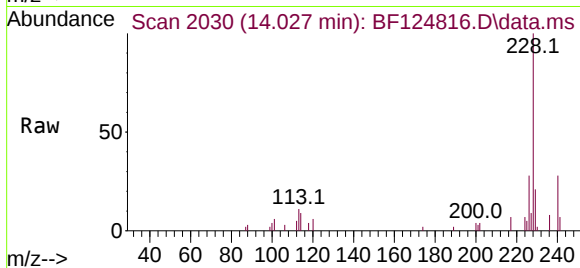




#81
Benzo(a)anthracene
Concen: 13.46 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36

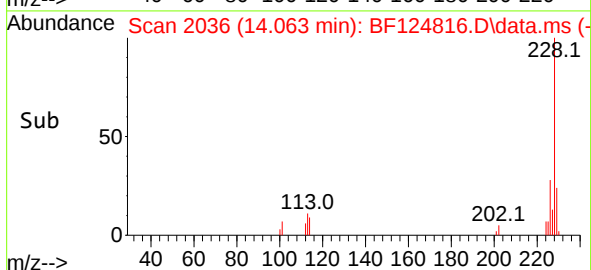
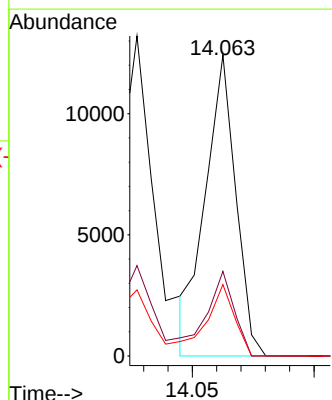
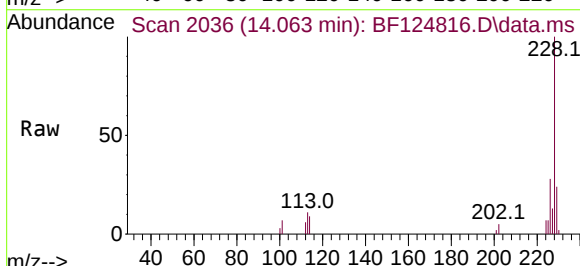
Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)DL

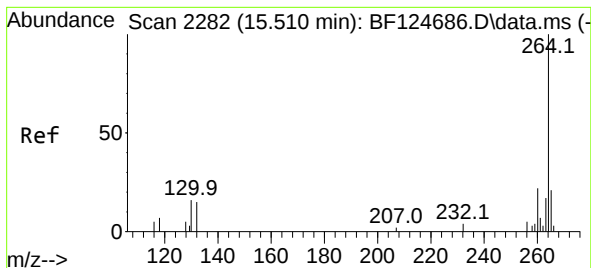
Tgt Ion:228 Resp: 13132
Ion Ratio Lower Upper
228 100
226 28.3 21.6 32.4
229 20.7 15.6 23.4



#83
Chrysene
Concen: 11.45 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36

Tgt Ion:228 Resp: 10760
Ion Ratio Lower Upper
228 100
226 28.1 22.6 34.0
229 23.7 15.9 23.9

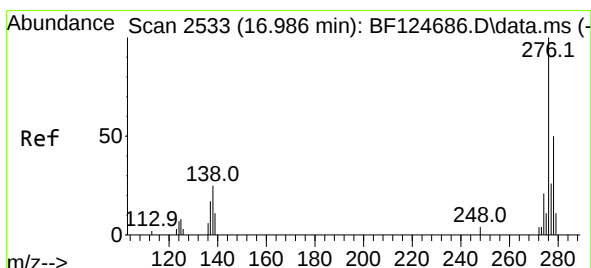
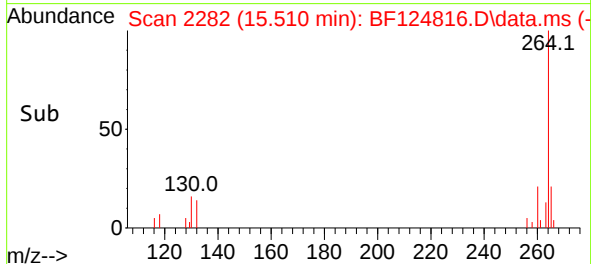
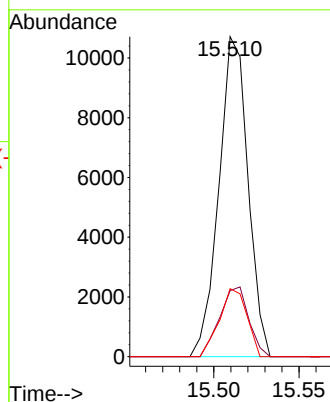
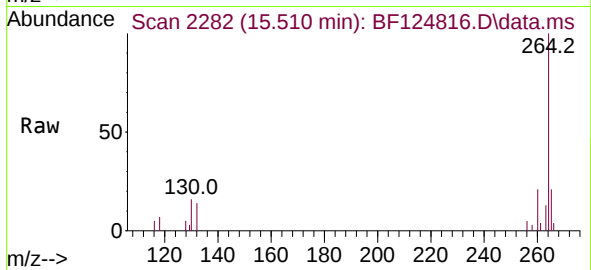




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.510 min Scan# 2282
Delta R.T. -0.000 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36

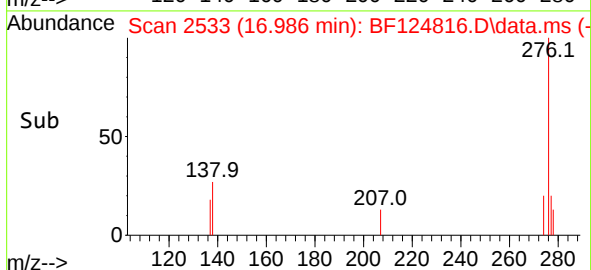
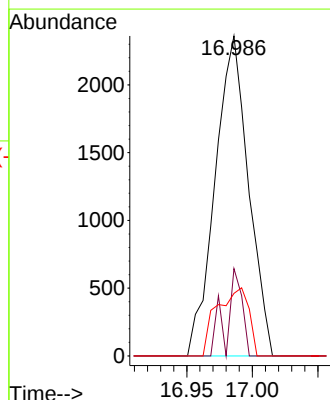
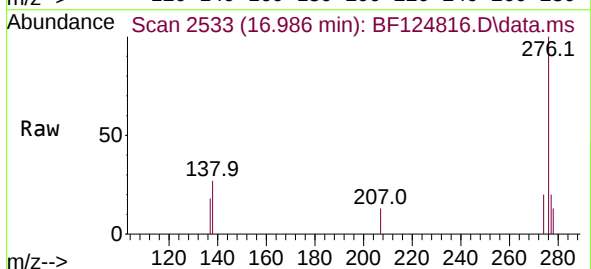
Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)DL

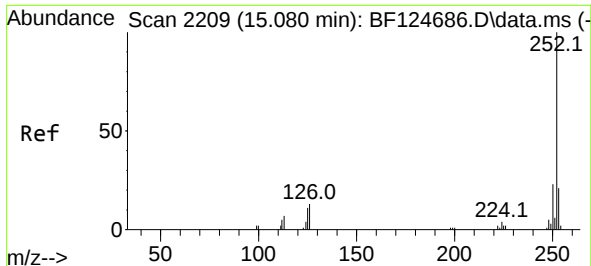
Tgt Ion:264	Resp:	12731
Ion Ratio	Lower	Upper
264	100	
260	20.7	19.6 29.4
265	21.2	17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.68 ng
RT: 16.986 min Scan# 2533
Delta R.T. -0.000 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36

Tgt Ion:276	Resp:	4176
Ion Ratio	Lower	Upper
276	100	
138	13.0	24.1 36.1#
277	20.3	18.8 28.2

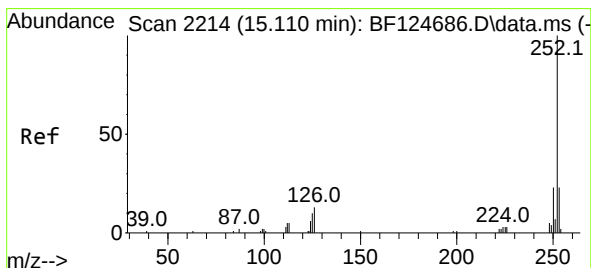
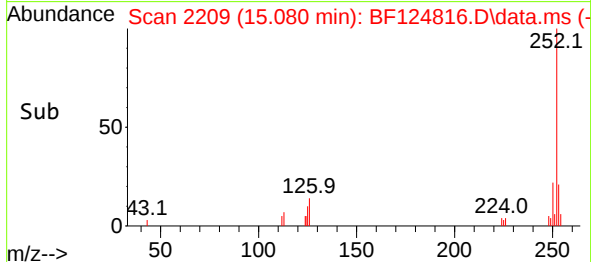
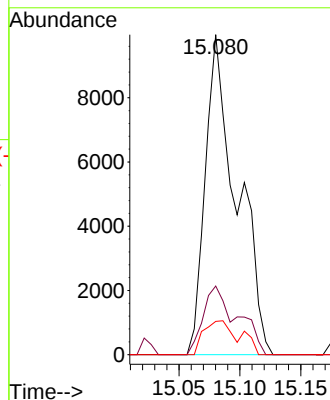
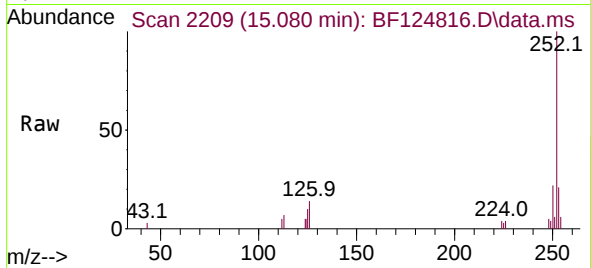




#88
Benzo(b)fluoranthene
Concen: 19.97 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.000 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36

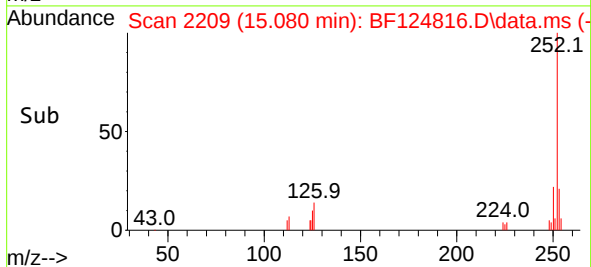
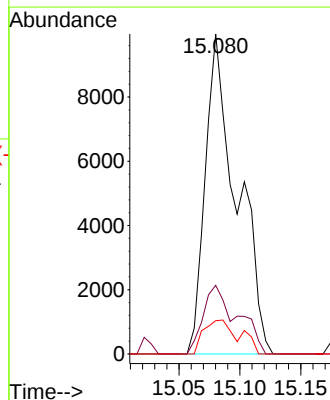
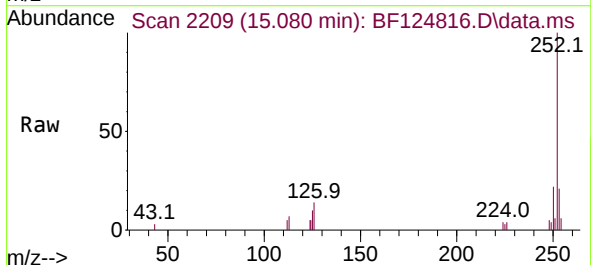
Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)DL

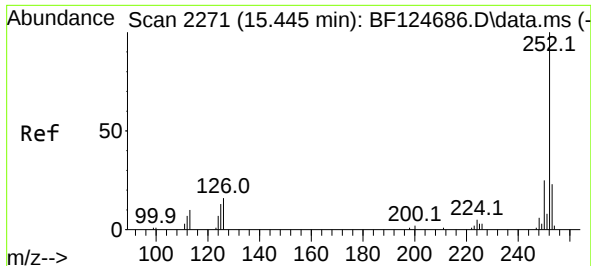
Tgt Ion:252 Resp: 17902
Ion Ratio Lower Upper
252 100
253 21.4 16.8 25.2
125 10.4 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 21.86 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.029 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36

Tgt Ion:252 Resp: 17902
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.8
125 10.4 7.2 10.8

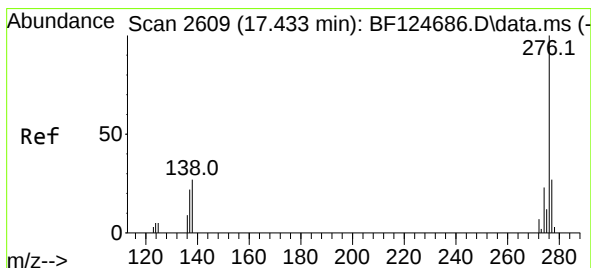
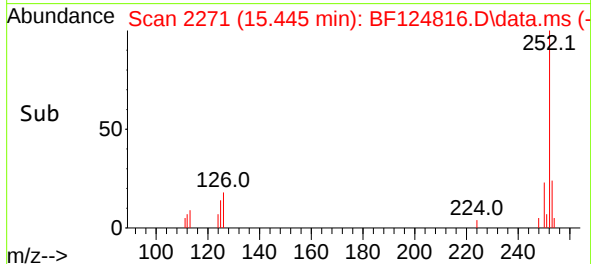
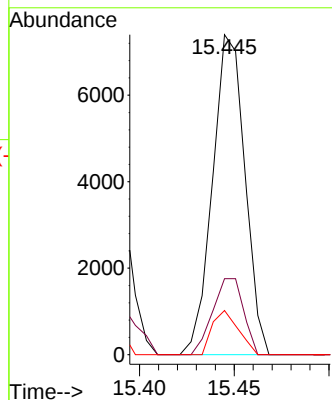
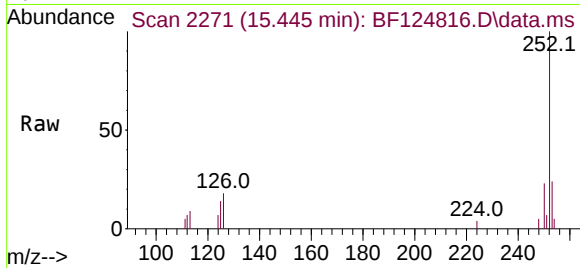




#90
Benzo(a)pyrene
Concen: 11.76 ng
RT: 15.445 min Scan# 2271
Delta R.T. -0.000 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36

Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)DL

Tgt Ion:	252	Resp:	8803
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.4	27.6
125	13.8	9.9	14.9



#92
Benzo(g,h,i)perylene
Concen: 5.72 ng
RT: 17.427 min Scan# 2608
Delta R.T. -0.006 min
Lab File: BF124816.D
Acq: 28 Jul 2021 3:36

Tgt Ion:	276	Resp:	3489
Ion Ratio	Lower	Upper	
276	100		
277	27.9	22.0	33.0
138	19.8	22.2	33.4#

