

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032422\
 Data File : BF127514.D
 Acq On : 24 Mar 2022 20:45
 Operator : CG\JU
 Sample : N1958-12DL 25X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-12-11-12DL

Quant Time: Mar 25 02:16:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 22 02:16:33 2022
 Response via : Initial Calibration

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

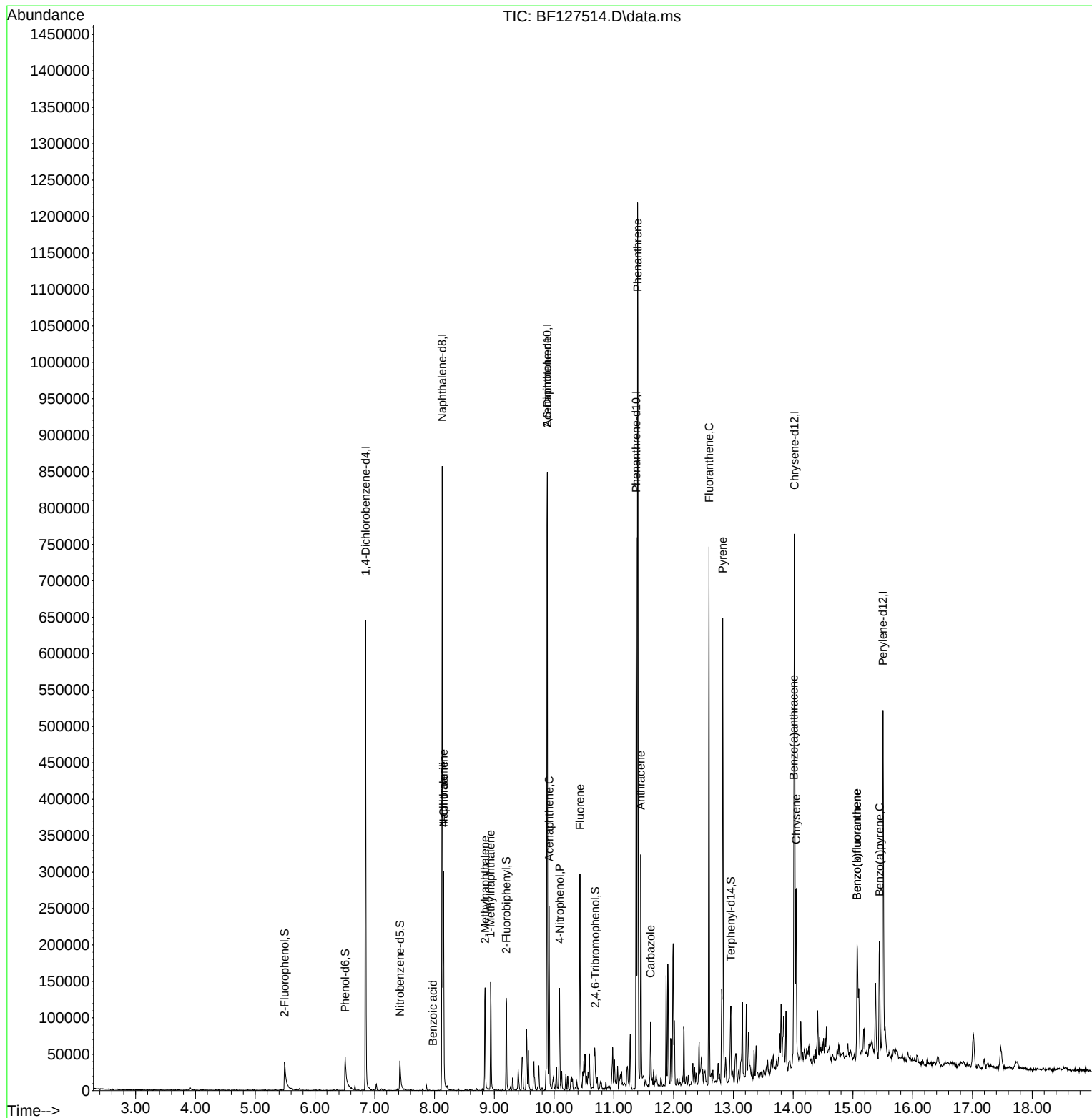
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	86763	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	317181	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	173017	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	254841	20.000	ng	0.00
76) Chrysene-d12	14.021	240	207243	20.000	ng	0.00
86) Perylene-d12	15.504	264	212815	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	23746	4.369	ng	0.02
7) Phenol-d6	6.504	99	34379	4.627	ng	0.02
23) Nitrobenzene-d5	7.422	82	20658	2.784	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	4753	2.579	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	41903	3.537	ng	-0.01
79) Terphenyl-d14	12.957	244	32045	2.531	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.669	77	57	Below Cal	#	1
31) Naphthalene	8.151	128	116298	6.906	ng	100
32) Benzoic acid	7.975	122	57	6.062	ng	# 1
33) 4-Chloroaniline	8.151	127	14412	2.209	ng	# 30
37) 2-Methylnaphthalene	8.845	142	39507	3.649	ng	96
38) 1-Methylnaphthalene	8.939	142	38112	3.560	ng	97
51) 2,6-Dinitrotoluene	9.886	165	23176	9.173	ng	# 17
52) Acenaphthene	9.916	154	45366	4.998	ng	98
56) 4-Nitrophenol	10.092	139	18280	12.959	ng	# 1
58) Fluorene	10.433	166	73199	4.790	ng	97
71) Phenanthrene	11.398	178	435988	32.816	ng	100
72) Anthracene	11.451	178	114892	8.714	ng	98
73) Carbazole	11.616	167	29227	2.318	ng	96
75) Fluoranthene	12.592	202	264243	18.083	ng	99
78) Pyrene	12.821	202	254091	14.286	ng	99
81) Benzo(a)anthracene	14.010	228	111259	8.028	ng	99
83) Chrysene	14.051	228	95396	7.269	ng	98
88) Benzo(b)fluoranthene	15.068	252	122780	9.150	ng	98
89) Benzo(k)fluoranthene	15.068	252	122780	8.826	ng	98
90) Benzo(a)pyrene	15.445	252	77363	7.025	ng	98

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

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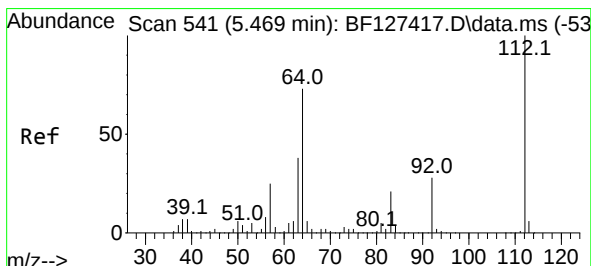
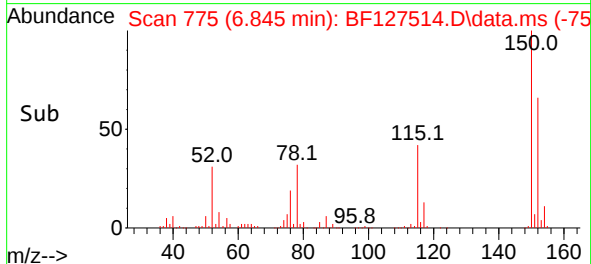
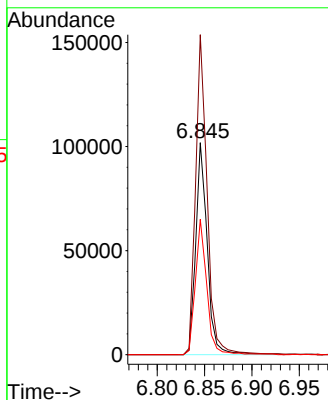
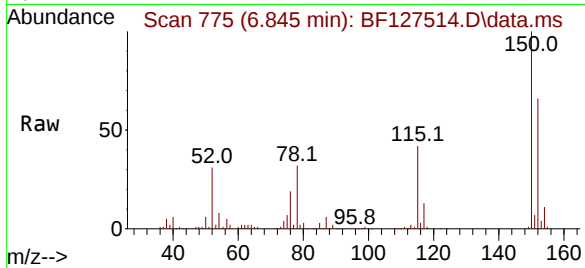




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

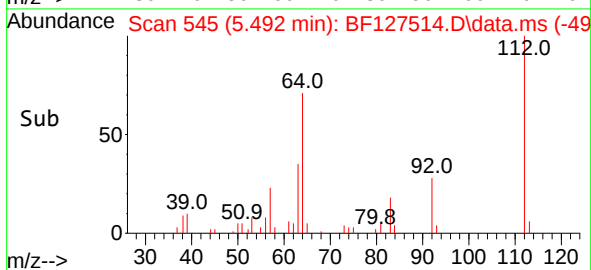
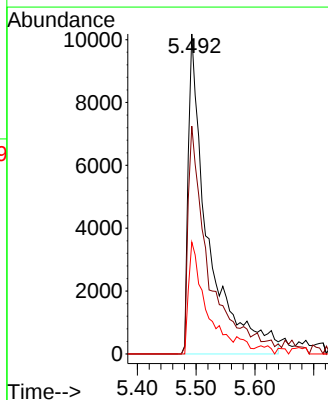
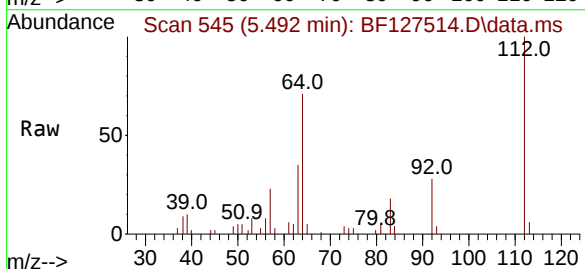
Instrument :
BNA_F
ClientSampleId :
C-12-11-12DL

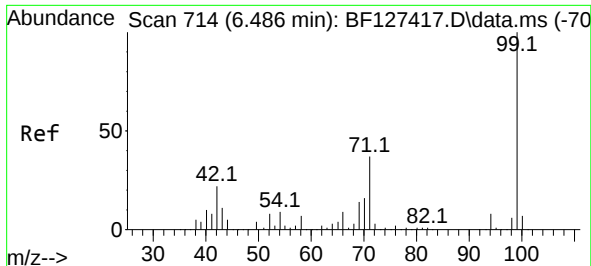
Tgt Ion:152 Resp: 86763
Ion Ratio Lower Upper
152 100
150 151.0 117.2 175.8
115 63.8 49.8 74.6



#5
2-Fluorophenol
Concen: 4.369 ng
RT: 5.492 min Scan# 545
Delta R.T. 0.024 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

Tgt Ion:112 Resp: 23746
Ion Ratio Lower Upper
112 100
64 71.2 58.4 87.6
63 35.0 30.1 45.1





#7

Phenol-d6

Concen: 4.627 ng

RT: 6.504 min Scan# 714

Delta R.T. 0.018 min

Lab File: BF127514.D

Acq: 24 Mar 2022 20:45

Instrument :

BNA_F

ClientSampleId :

C-12-11-12DL

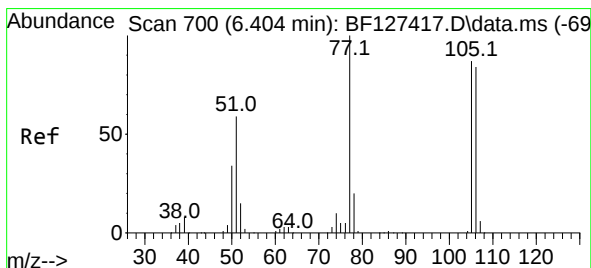
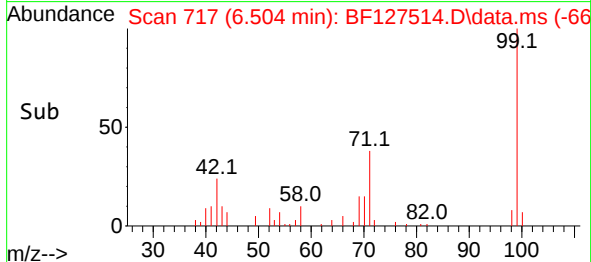
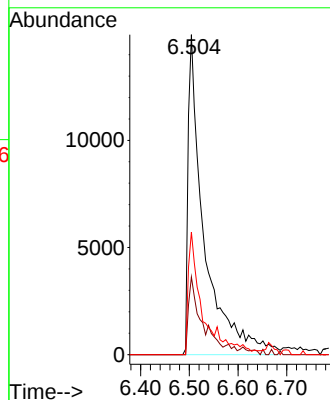
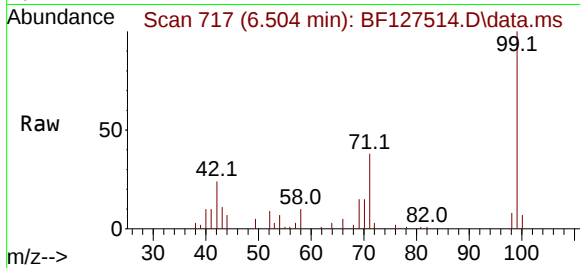
Tgt Ion: 99 Resp: 34379

Ion Ratio Lower Upper

99 100

42 24.3 17.8 26.6

71 38.3 29.6 44.4



#9

Benzaldehyde

Concen: Below Cal

RT: 6.669 min Scan# 745

Delta R.T. 0.265 min

Lab File: BF127514.D

Acq: 24 Mar 2022 20:45

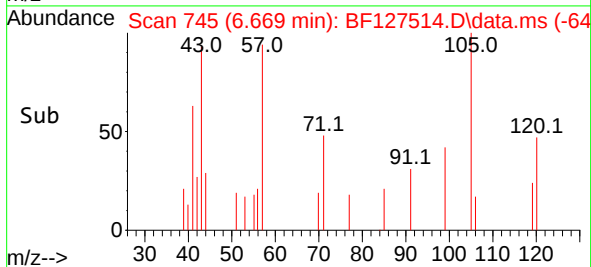
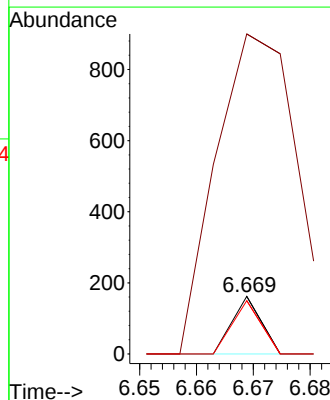
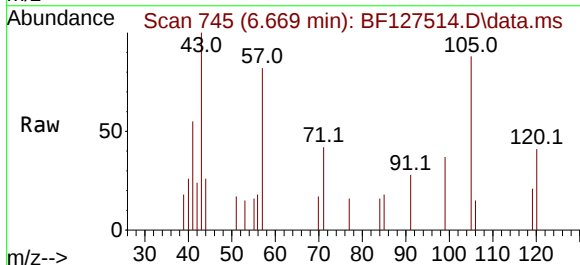
Tgt Ion: 77 Resp: 57

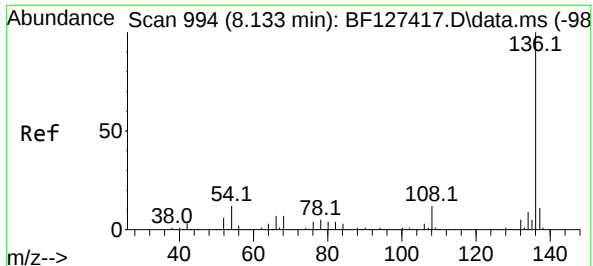
Ion Ratio Lower Upper

77 100

105 555.6 66.8 106.8#

106 92.6 64.3 104.3



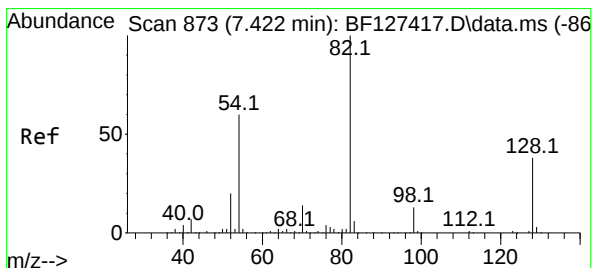
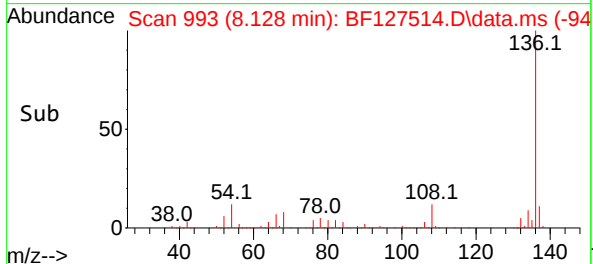
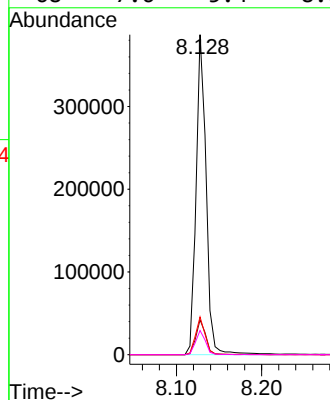
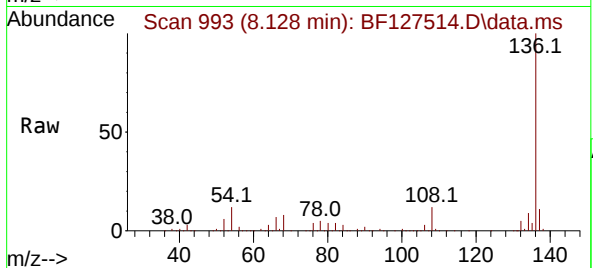


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 994
Delta R.T. -0.006 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

Instrument :
BNA_F
ClientSampleId :
C-12-11-12DL

Tgt Ion:136 Resp: 317181

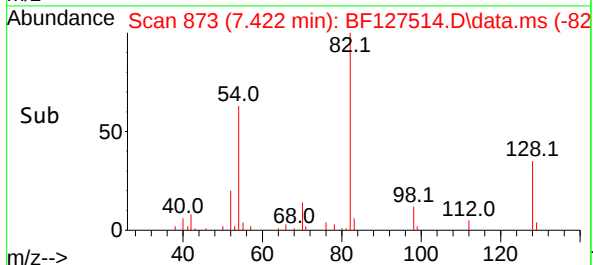
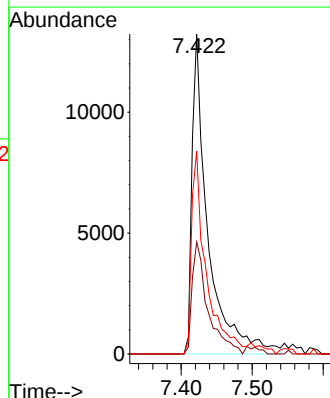
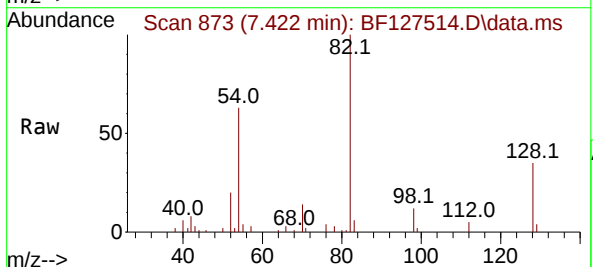
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	11.8	9.2	13.8
68	7.6	5.4	8.0

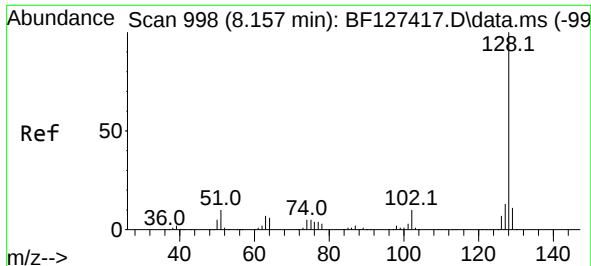


#23
Nitrobenzene-d5
Concen: 2.784 ng
RT: 7.422 min Scan# 873
Delta R.T. 0.000 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

Tgt Ion: 82 Resp: 20658

Ion	Ratio	Lower	Upper
82	100		
128	35.0	30.6	45.8
54	63.4	48.2	72.2

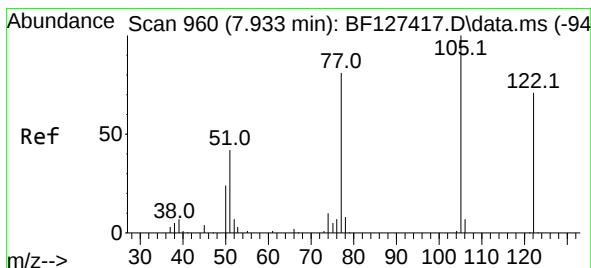
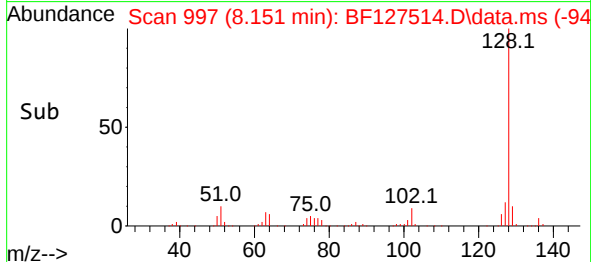
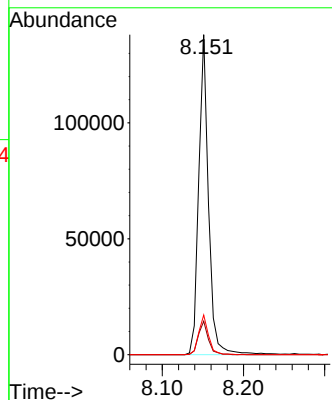
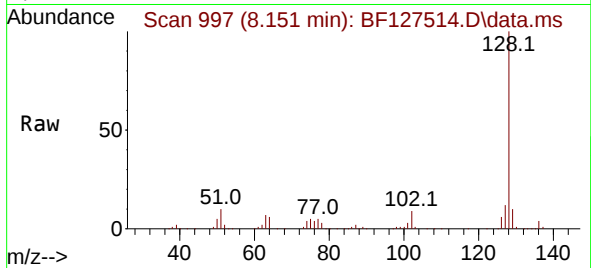




#31
Naphthalene
Concen: 6.906 ng
RT: 8.151 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

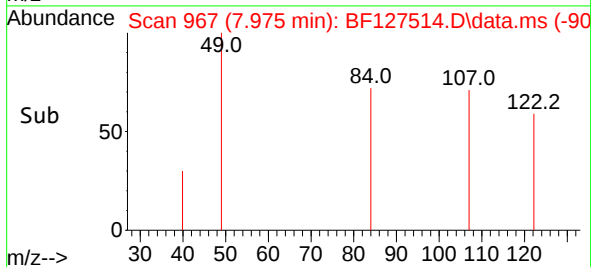
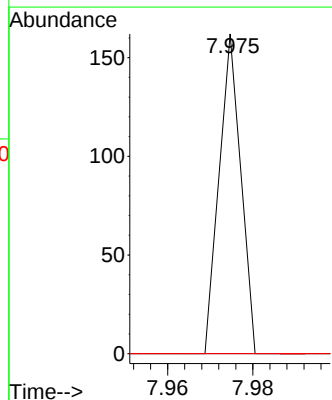
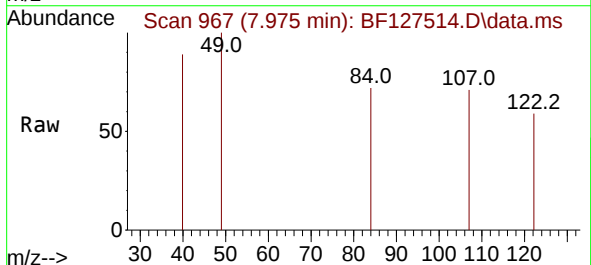
Instrument :
BNA_F
ClientSampleId :
C-12-11-12DL

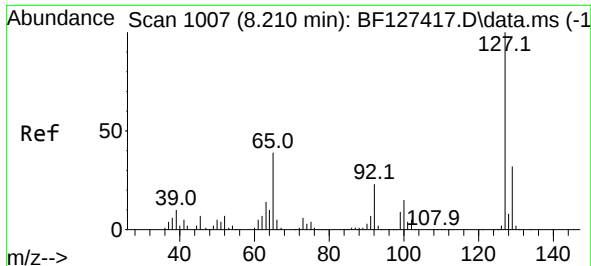
Tgt Ion:128 Resp: 116298
Ion Ratio Lower Upper
128 100
129 10.5 8.4 12.6
127 12.4 10.2 15.2



#32
Benzoic acid
Concen: 6.062 ng
RT: 7.975 min Scan# 967
Delta R.T. 0.042 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

Tgt Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 117.1 157.1#
77 0.0 93.0 133.0#

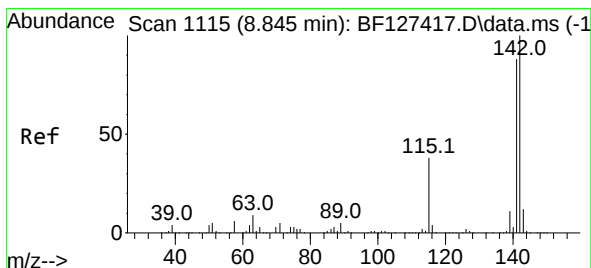
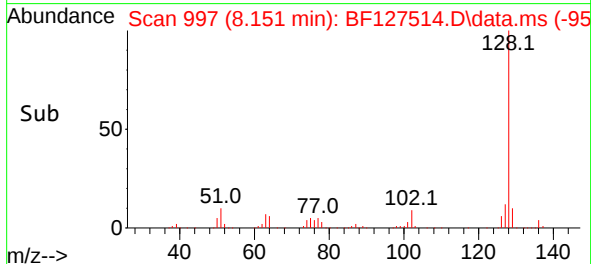
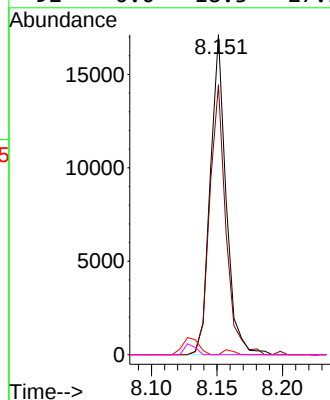
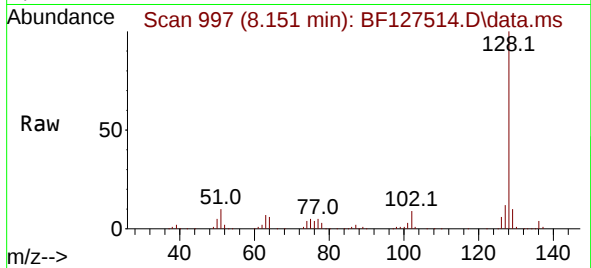




#33
4-Chloroaniline
Concen: 2.209 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.059 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

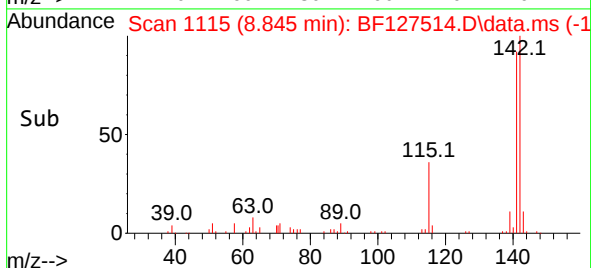
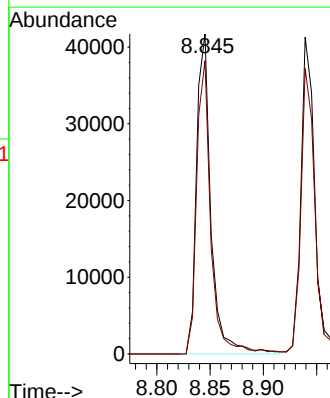
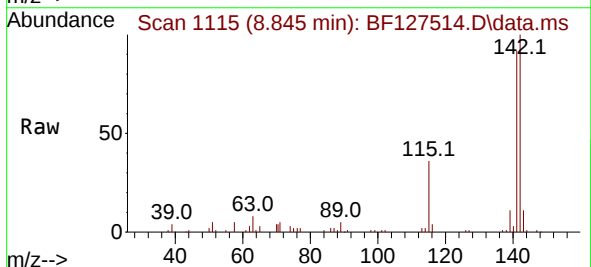
Instrument :
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C-12-11-12DL

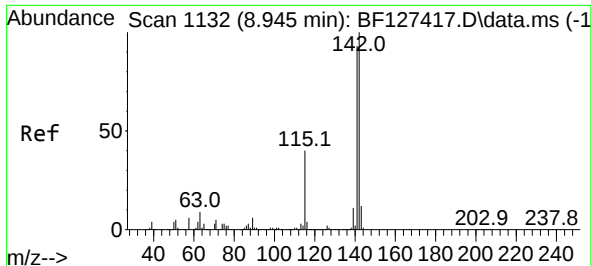
Tgt Ion:	127	Resp:	14412
Ion	Ratio	Lower	Upper
127	100		
129	84.4	25.9	38.9#
65	0.0	31.4	47.0#
92	0.0	18.3	27.5#



#37
2-Methylnaphthalene
Concen: 3.649 ng
RT: 8.845 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

Tgt Ion:	142	Resp:	39507
Ion	Ratio	Lower	Upper
142	100		
141	91.7	70.6	106.0





#38

1-Methylnaphthalene

Concen: 3.560 ng

RT: 8.939 min Scan# 1131

Delta R.T. -0.006 min

Lab File: BF127514.D

Acq: 24 Mar 2022 20:45

Instrument :

BNA_F

ClientSampleId :

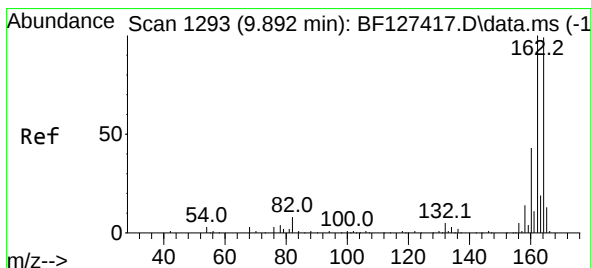
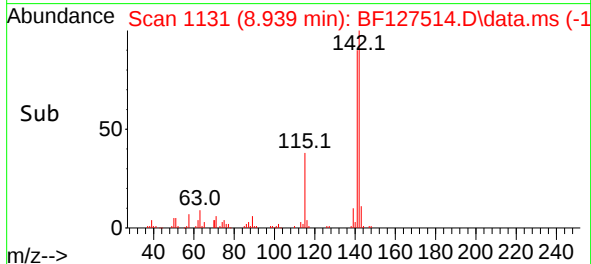
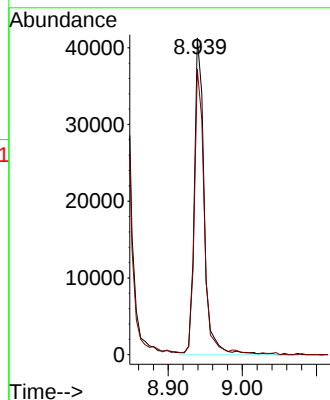
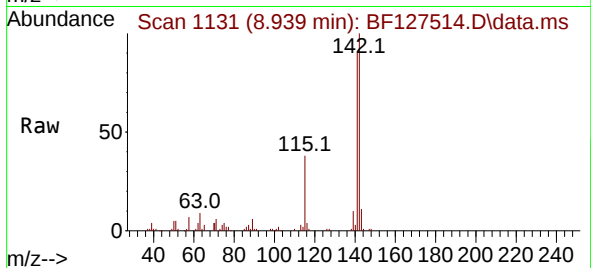
C-12-11-12DL

Tgt Ion:142 Resp: 38112

Ion Ratio Lower Upper

142 100

141 90.1 74.2 111.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1292

Delta R.T. -0.006 min

Lab File: BF127514.D

Acq: 24 Mar 2022 20:45

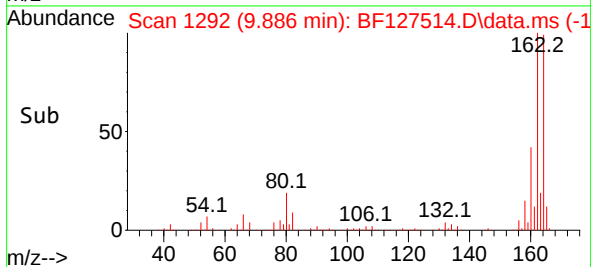
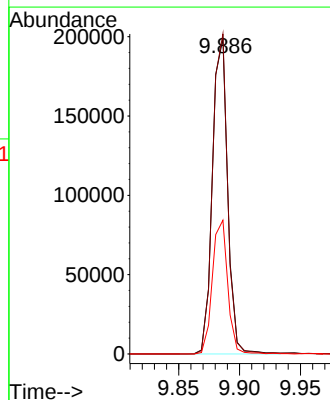
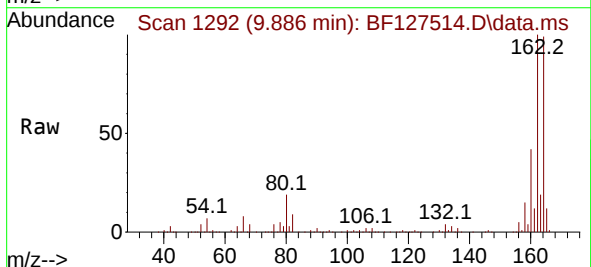
Tgt Ion:164 Resp: 173017

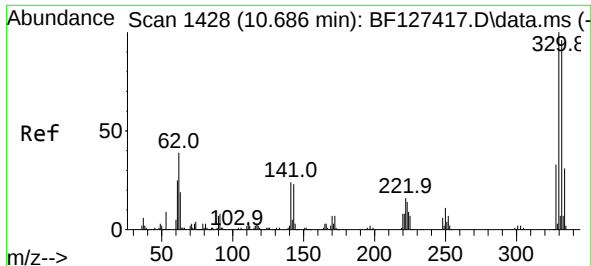
Ion Ratio Lower Upper

164 100

162 101.5 81.2 121.8

160 42.5 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 2.579 ng

RT: 10.686 min Scan# 1428

Delta R.T. 0.000 min

Lab File: BF127514.D

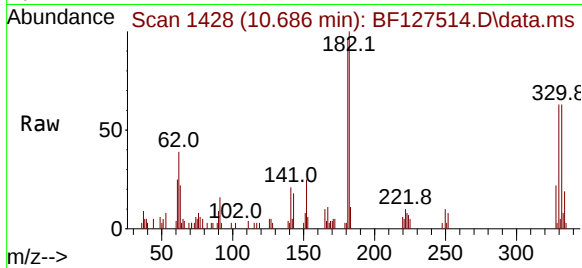
Acq: 24 Mar 2022 20:45

Instrument :

BNA_F

ClientSampleId :

C-12-11-12DL



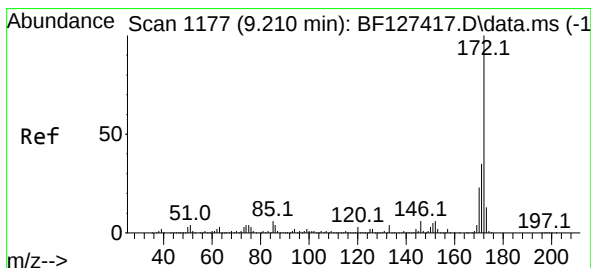
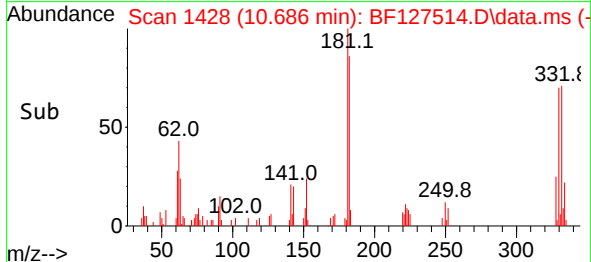
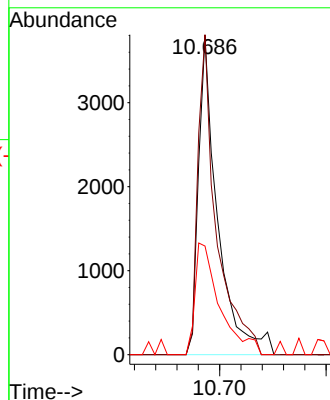
Tgt Ion:330 Resp: 4753

Ion Ratio Lower Upper

330 100

332 96.9 79.1 118.7

141 45.3 26.2 39.4#



#45

2-Fluorobiphenyl

Concen: 3.537 ng

RT: 9.198 min Scan# 1175

Delta R.T. -0.012 min

Lab File: BF127514.D

Acq: 24 Mar 2022 20:45

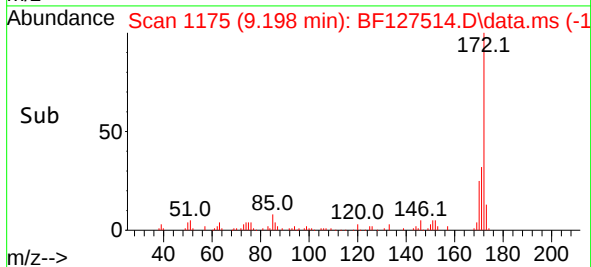
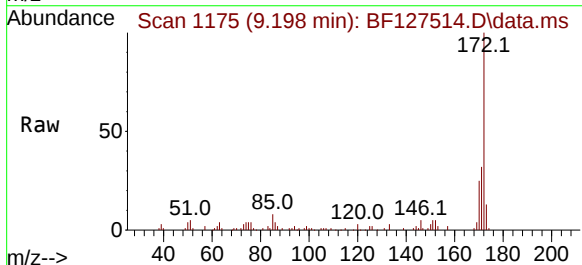
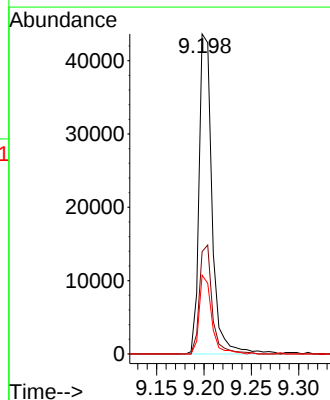
Tgt Ion:172 Resp: 41903

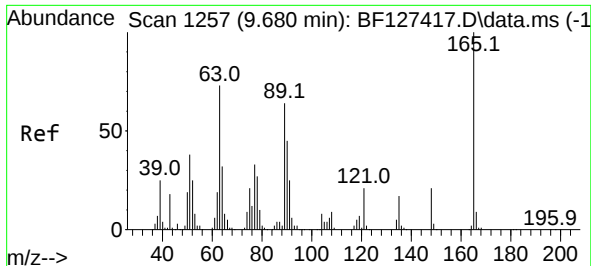
Ion Ratio Lower Upper

172 100

171 32.0 28.4 42.6

170 24.6 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 9.173 ng

RT: 9.886 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF127514.D

Acq: 24 Mar 2022 20:45

Instrument :

BNA_F

ClientSampleId :

C-12-11-12DL

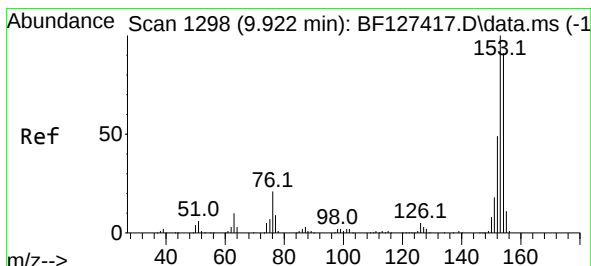
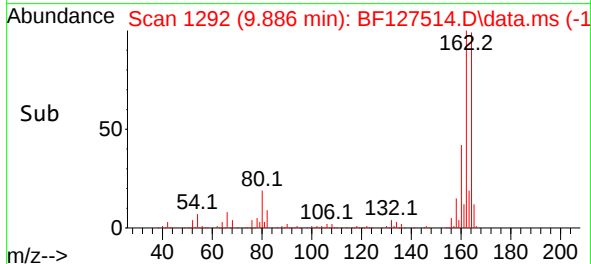
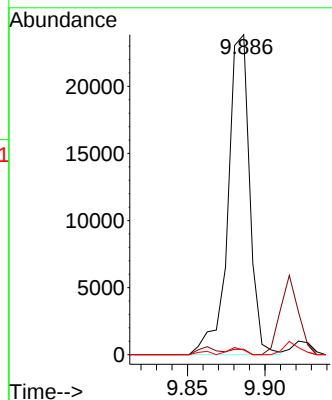
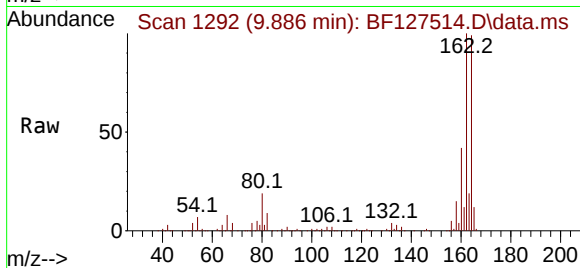
Tgt Ion:165 Resp: 23176

Ion Ratio Lower Upper

165 100

63 1.7 58.3 87.5#

89 1.5 51.5 77.3#



#52

Acenaphthene

Concen: 4.998 ng

RT: 9.916 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF127514.D

Acq: 24 Mar 2022 20:45

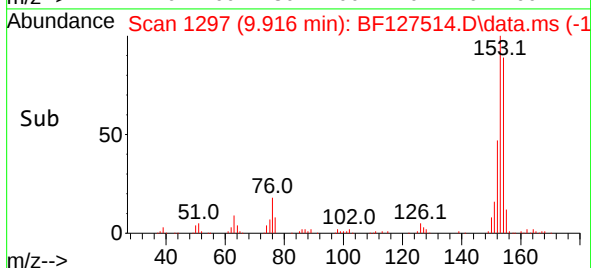
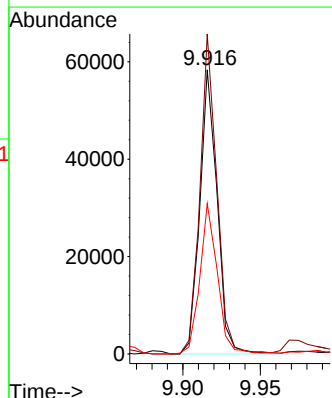
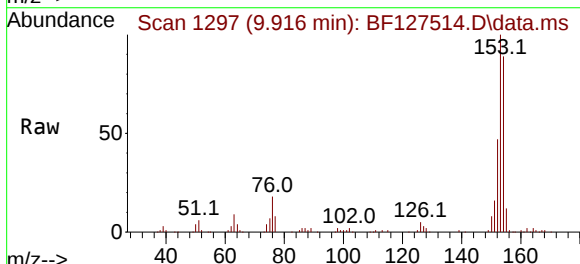
Tgt Ion:154 Resp: 45366

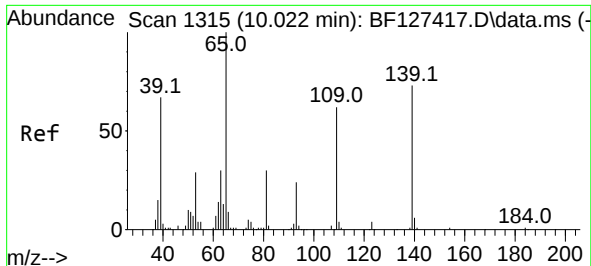
Ion Ratio Lower Upper

154 100

153 112.6 87.6 131.4

152 52.9 42.9 64.3

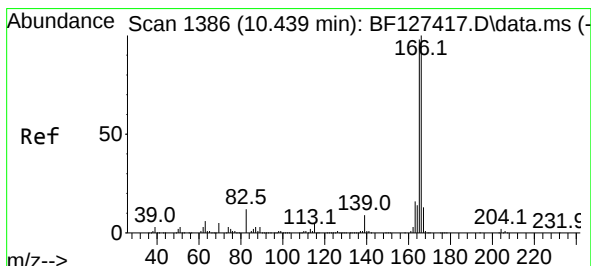
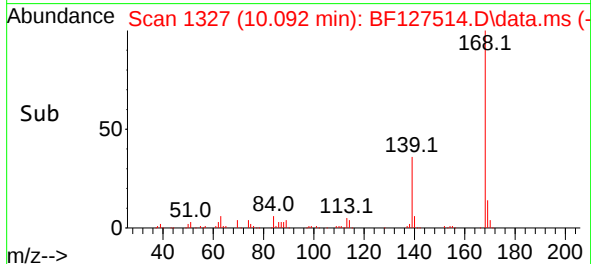
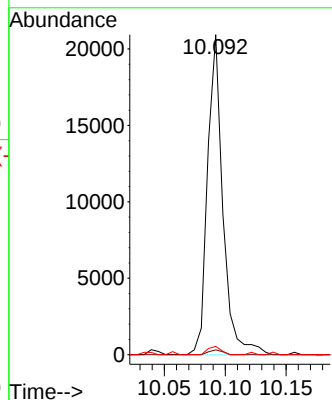
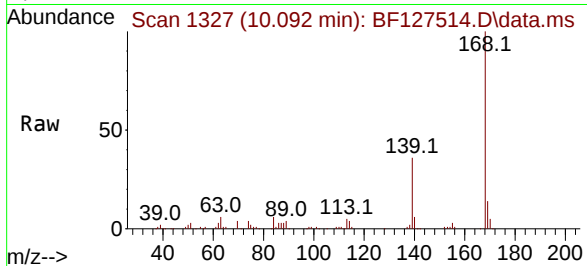




#56
4-Nitrophenol
Concen: 12.959 ng
RT: 10.092 min Scan# 1327
Delta R.T. 0.070 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

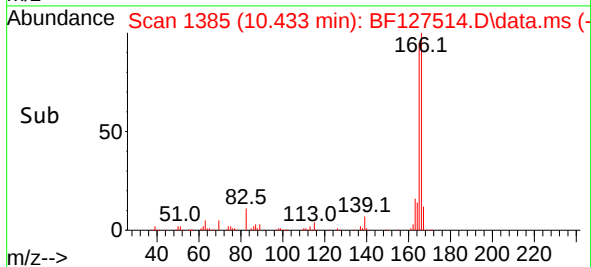
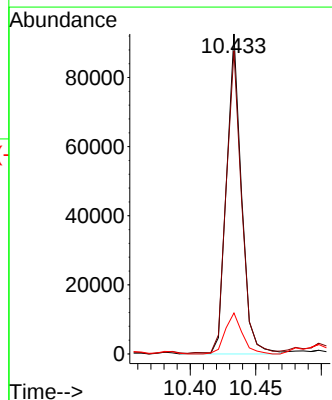
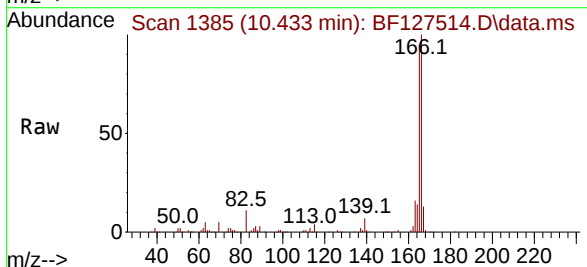
Instrument :
BNA_F
ClientSampleId :
C-12-11-12DL

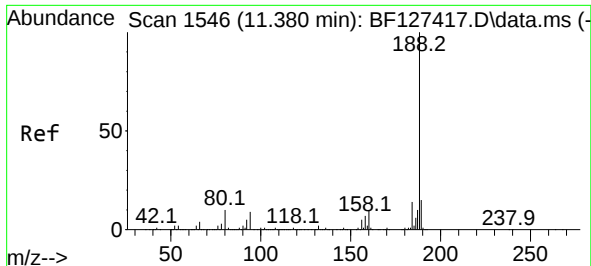
Tgt Ion:139 Resp: 18280
Ion Ratio Lower Upper
139 100
109 1.5 64.3 104.3#
65 2.6 117.5 157.5#



#58
Fluorene
Concen: 4.790 ng
RT: 10.433 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

Tgt Ion:166 Resp: 73199
Ion Ratio Lower Upper
166 100
165 94.8 78.1 117.1
167 12.8 10.5 15.7

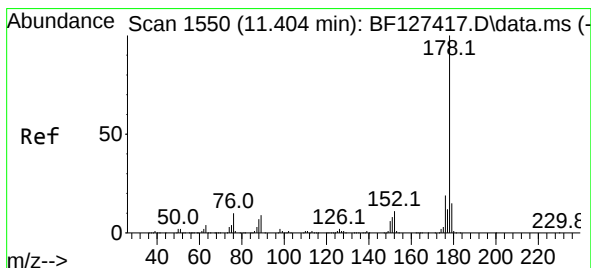
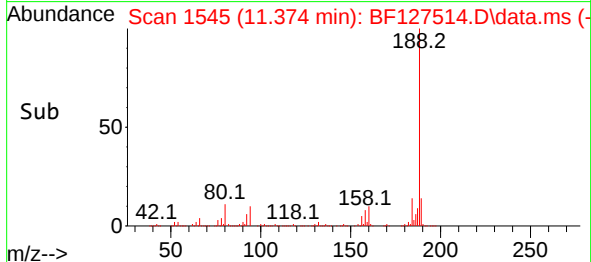
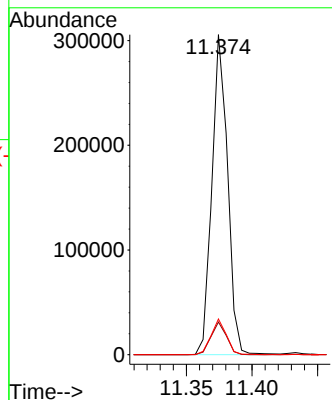
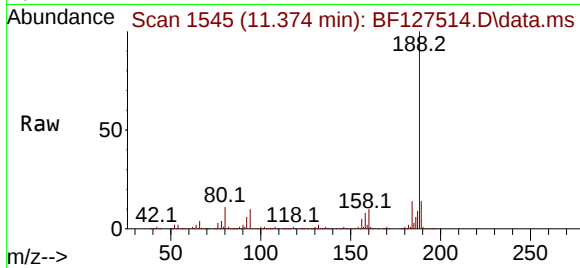




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

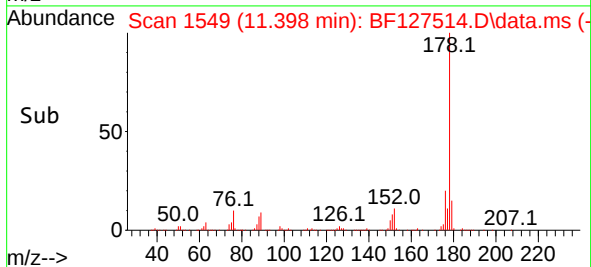
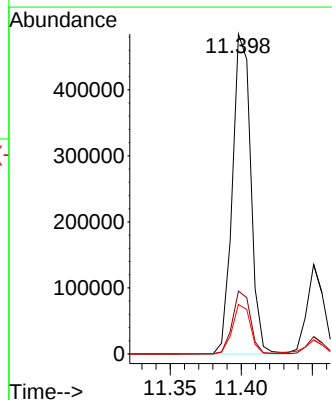
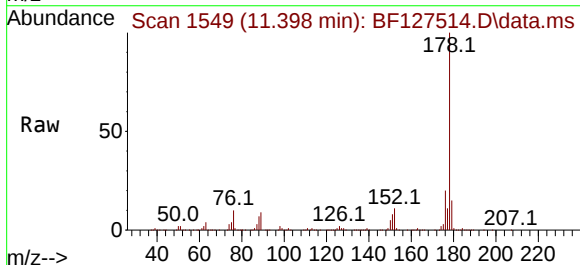
Instrument :
BNA_F
ClientSampleId :
C-12-11-12DL

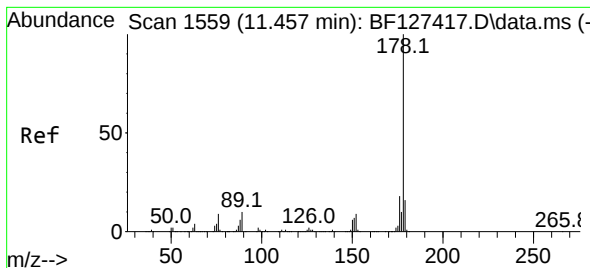
Tgt Ion:188 Resp: 254841
Ion Ratio Lower Upper
188 100
94 10.2 7.4 11.0
80 11.1 8.0 12.0



#71
Phenanthrene
Concen: 32.816 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

Tgt Ion:178 Resp: 435988
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.5 12.4 18.6





#72

Anthracene

Concen: 8.714 ng

RT: 11.451 min Scan# 1558

Delta R.T. -0.006 min

Lab File: BF127514.D

Acq: 24 Mar 2022 20:45

Instrument :

BNA_F

ClientSampleId :

C-12-11-12DL

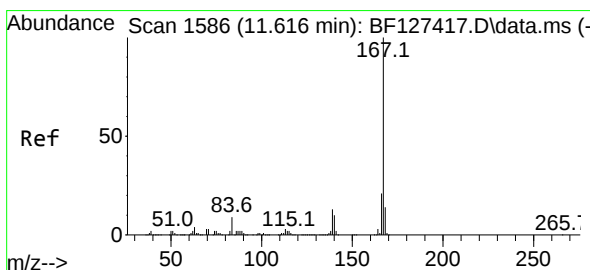
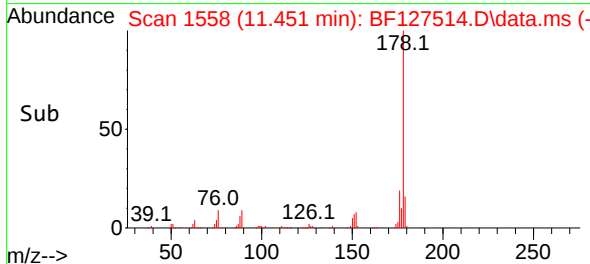
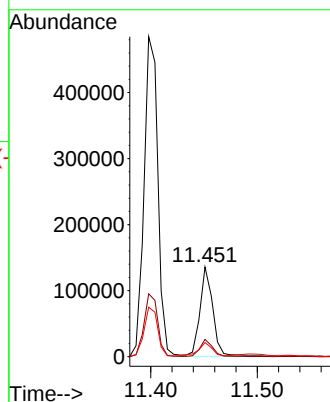
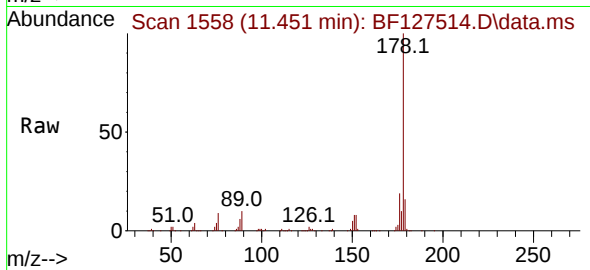
Tgt Ion:178 Resp: 114892

Ion Ratio Lower Upper

178 100

176 19.4 14.6 22.0

179 15.8 12.4 18.6



#73

Carbazole

Concen: 2.318 ng

RT: 11.616 min Scan# 1586

Delta R.T. 0.000 min

Lab File: BF127514.D

Acq: 24 Mar 2022 20:45

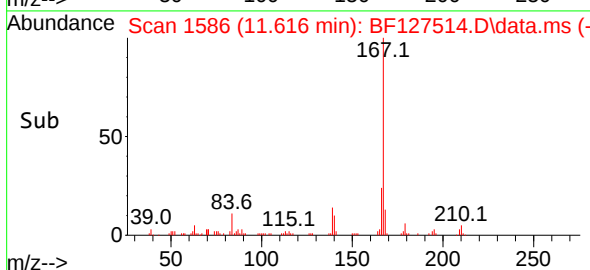
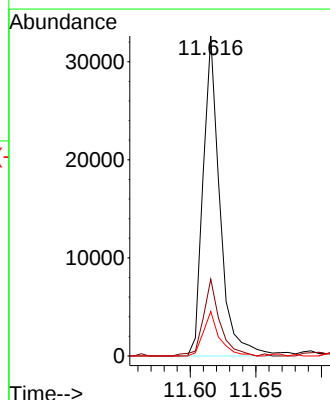
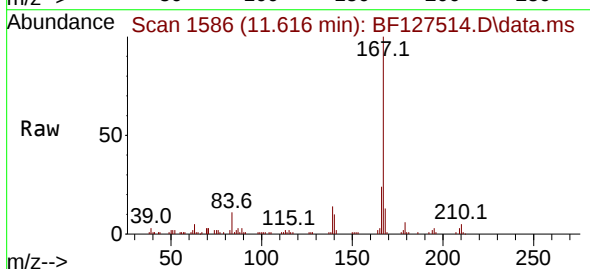
Tgt Ion:167 Resp: 29227

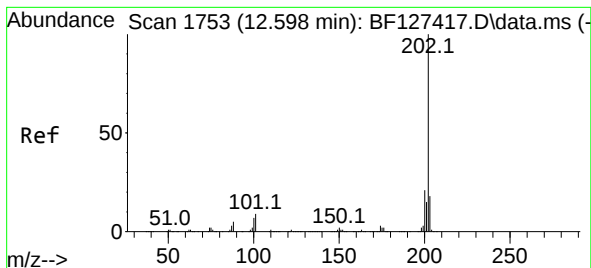
Ion Ratio Lower Upper

167 100

166 24.0 17.0 25.4

139 13.9 10.5 15.7





#75

Fluoranthene

Concen: 18.083 ng

RT: 12.592 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127514.D

Acq: 24 Mar 2022 20:45

Instrument :

BNA_F

ClientSampleId :

C-12-11-12DL

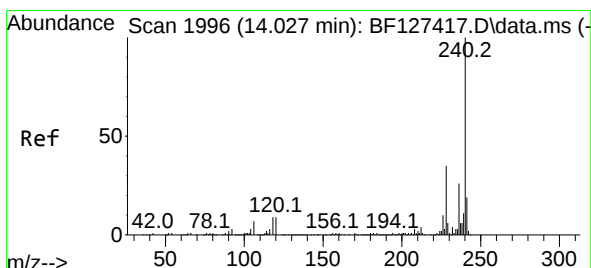
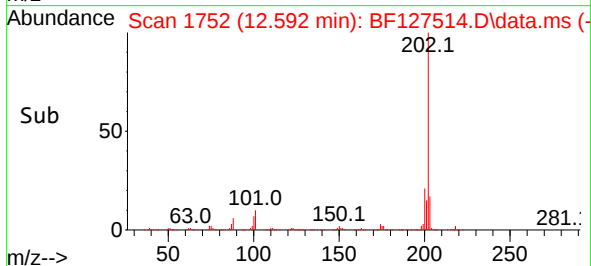
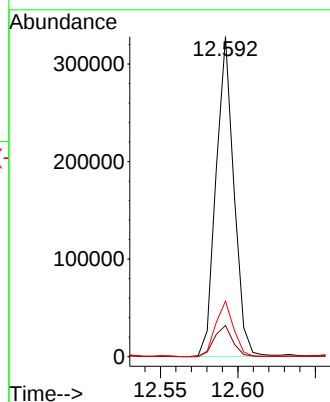
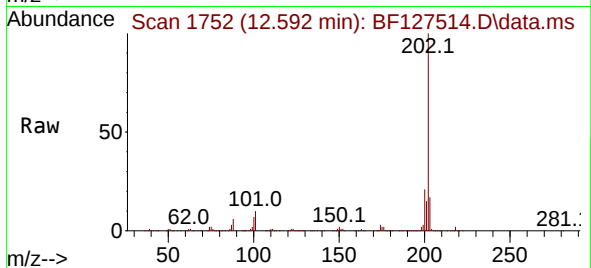
Tgt Ion:202 Resp: 264243

Ion Ratio Lower Upper

202 100

101 9.8 0.0 29.0

203 17.3 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 1995

Delta R.T. -0.006 min

Lab File: BF127514.D

Acq: 24 Mar 2022 20:45

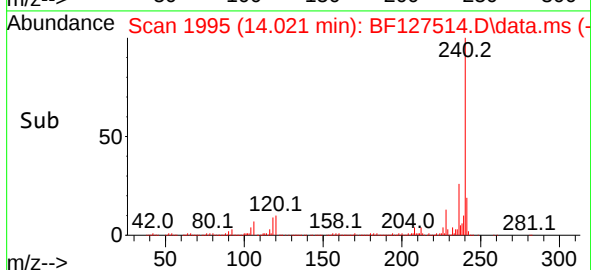
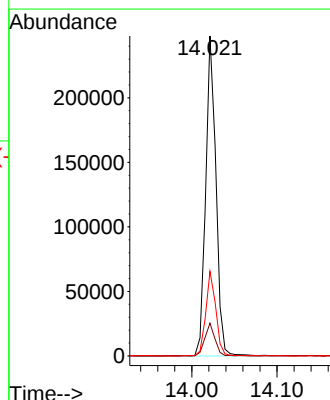
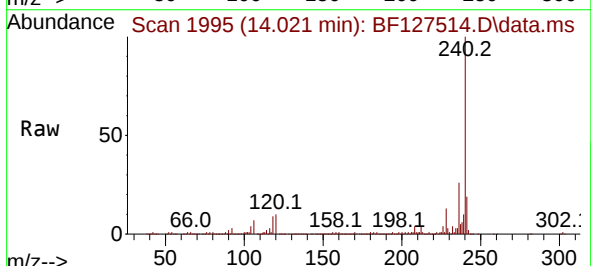
Tgt Ion:240 Resp: 207243

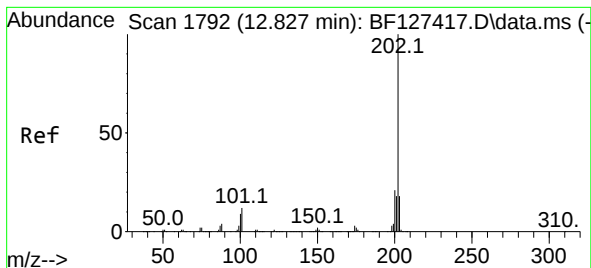
Ion Ratio Lower Upper

240 100

120 10.3 7.1 10.7

236 26.5 20.7 31.1





#78

Pyrene

Concen: 14.286 ng

RT: 12.821 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127514.D

Acq: 24 Mar 2022 20:45

Instrument :

BNA_F

ClientSampleId :

C-12-11-12DL

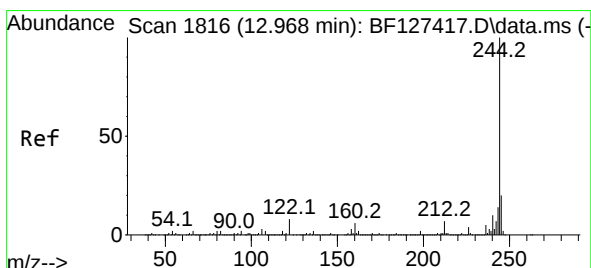
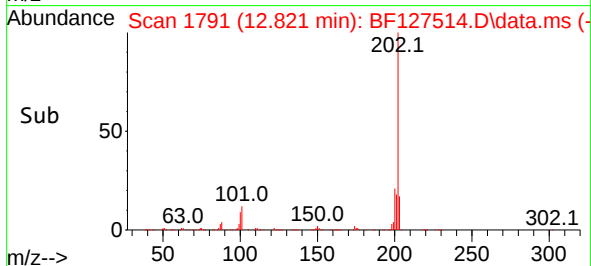
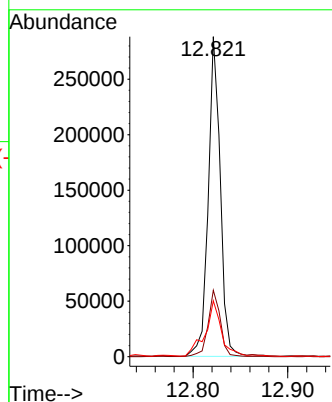
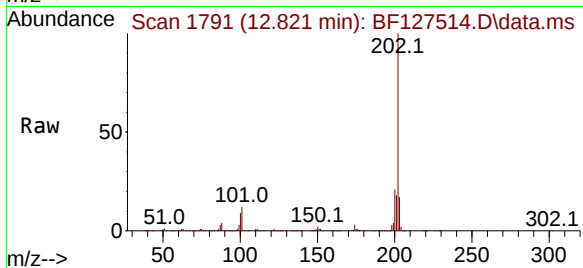
Tgt Ion:202 Resp: 254091

Ion Ratio Lower Upper

202 100

200 20.8 17.1 25.7

203 17.5 14.3 21.5



#79

Terphenyl-d14

Concen: 2.531 ng

RT: 12.957 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF127514.D

Acq: 24 Mar 2022 20:45

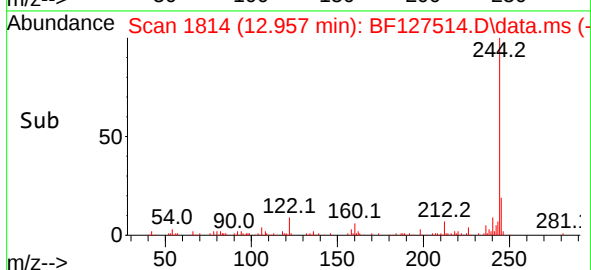
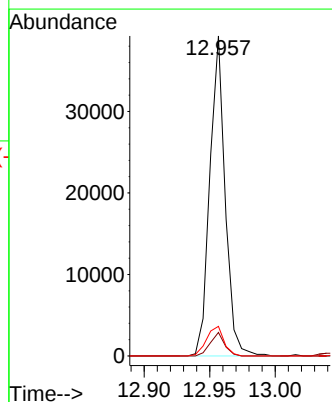
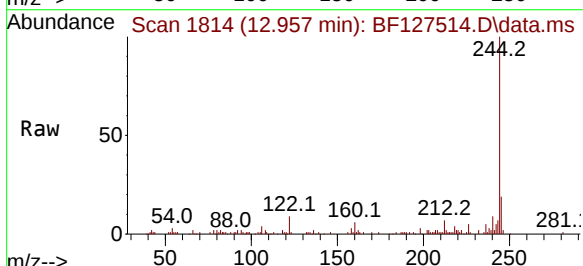
Tgt Ion:244 Resp: 32045

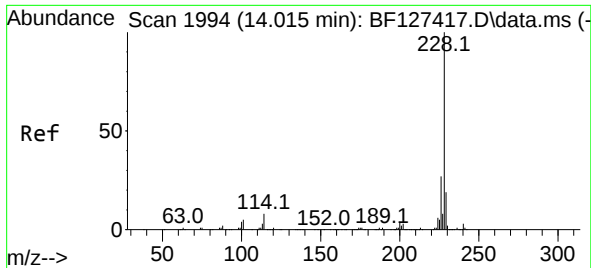
Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

122 9.3 6.2 9.2#

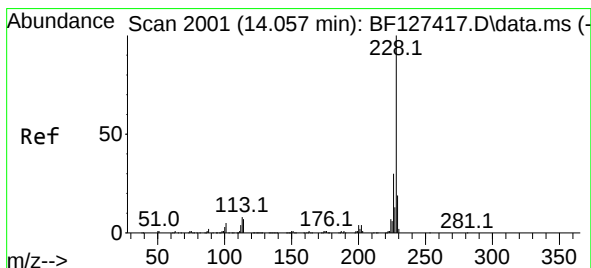
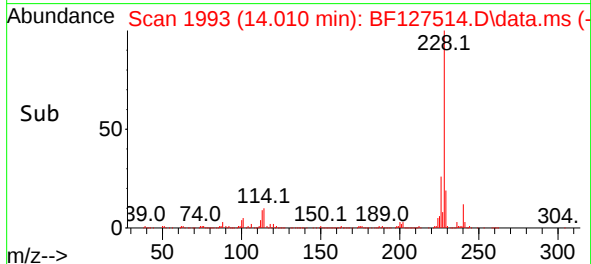
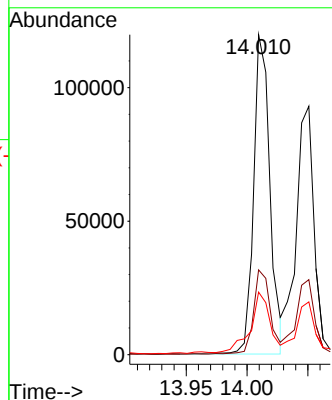
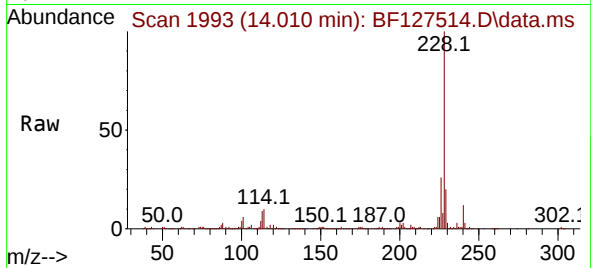




#81
Benzo(a)anthracene
Concen: 8.028 ng
RT: 14.010 min Scan# 1994
Delta R.T. -0.006 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

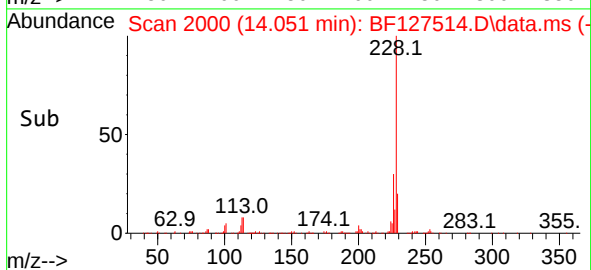
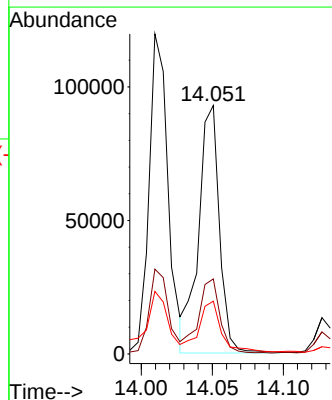
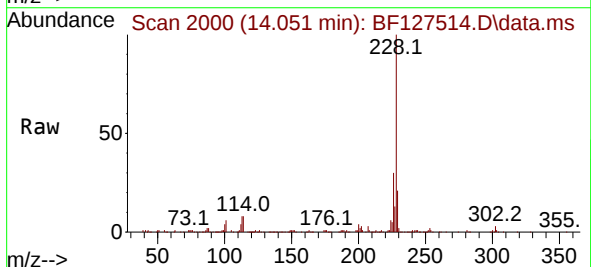
Instrument :
BNA_F
ClientSampleId :
C-12-11-12DL

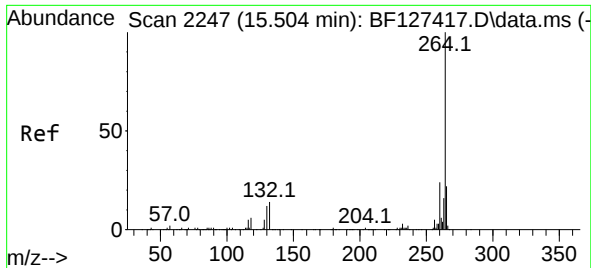
Tgt Ion:228 Resp: 111259
Ion Ratio Lower Upper
228 100
226 26.5 21.6 32.4
229 19.6 15.4 23.2



#83
Chrysene
Concen: 7.269 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

Tgt Ion:228 Resp: 95396
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.4
229 21.2 15.4 23.2



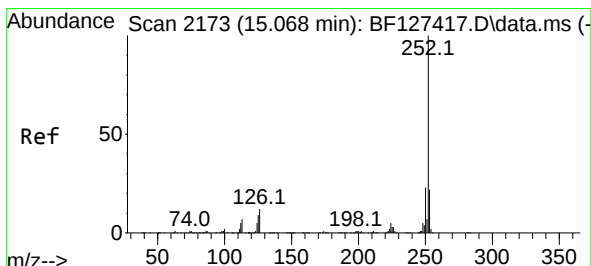
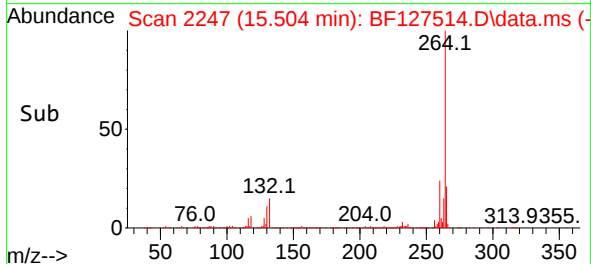
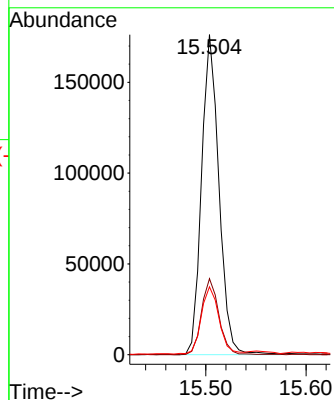
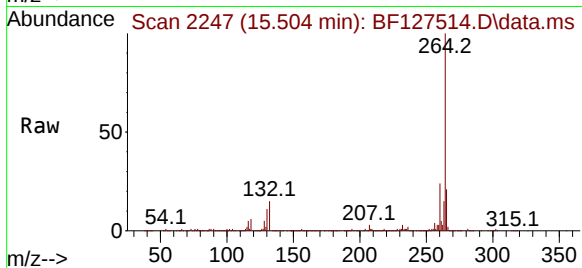


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 211
Delta R.T. 0.000 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

Instrument :
BNA_F
ClientSampleId :
C-12-11-12DL

Tgt Ion:264 Resp: 212815

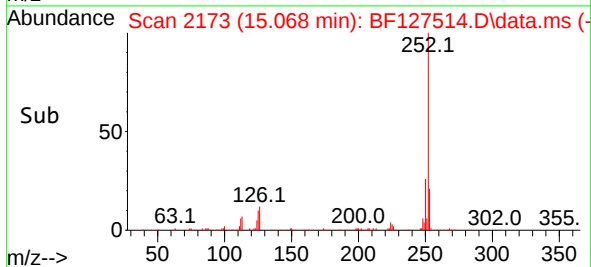
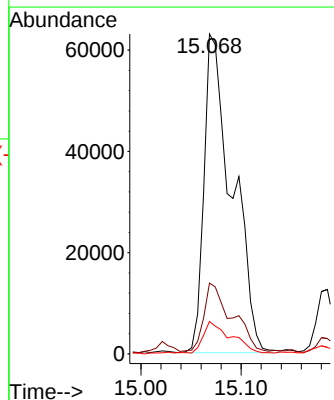
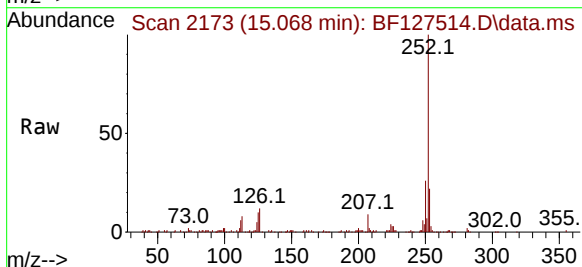
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	21.2	17.4	26.2

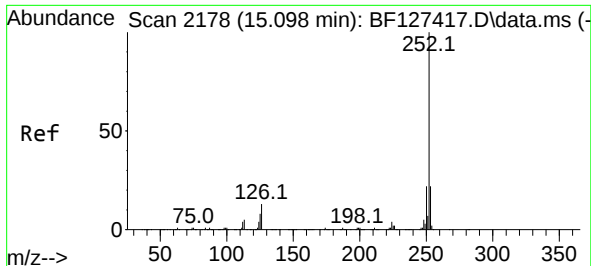


#88
Benzo(b)fluoranthene
Concen: 9.150 ng
RT: 15.068 min Scan# 2173
Delta R.T. 0.000 min
Lab File: BF127514.D
Acq: 24 Mar 2022 20:45

Tgt Ion:252 Resp: 122780

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	10.1	7.0	10.4





#89

Benzo(k)fluoranthene

Concen: 8.826 ng

RT: 15.068 min Scan# 2173

Delta R.T. -0.030 min

Lab File: BF127514.D

Acq: 24 Mar 2022 20:45

Instrument :

BNA_F

ClientSampleId :

C-12-11-12DL

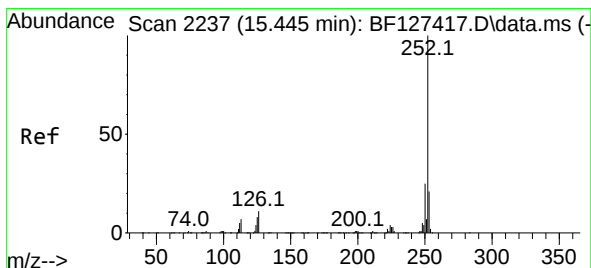
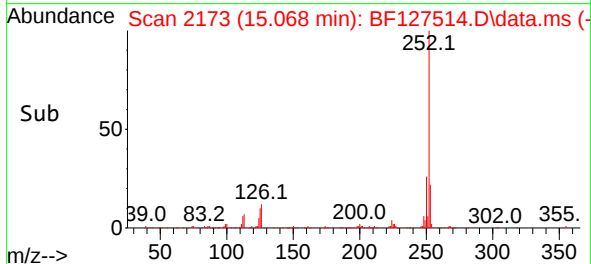
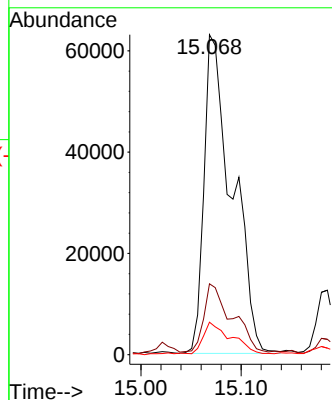
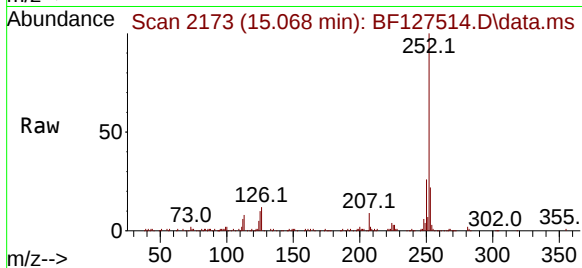
Tgt Ion:252 Resp: 122780

Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

125 10.1 6.9 10.3



#90

Benzo(a)pyrene

Concen: 7.025 ng

RT: 15.445 min Scan# 2237

Delta R.T. 0.000 min

Lab File: BF127514.D

Acq: 24 Mar 2022 20:45

Tgt Ion:252 Resp: 77363

Ion Ratio Lower Upper

252 100

253 21.9 17.0 25.6

125 10.0 6.7 10.1

