

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032322\
 Data File : BF127493.D
 Acq On : 23 Mar 2022 21:14
 Operator : CG\JU
 Sample : N1962-02DL 25X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-17-16-17DL

Quant Time: Mar 24 02:13:44 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

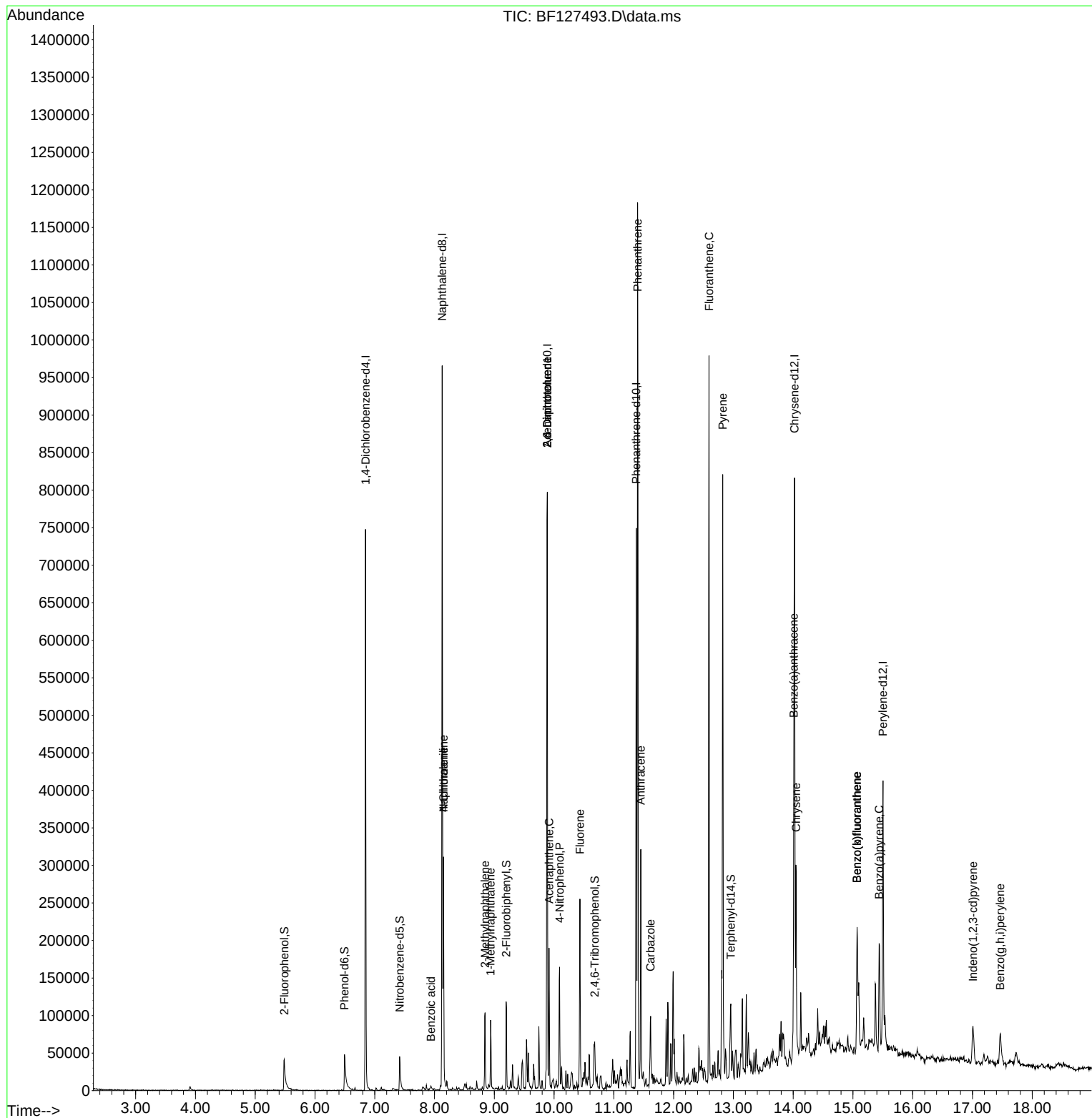
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	100376	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	344119	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	161391	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	240616	20.000	ng	0.00
76) Chrysene-d12	14.021	240	218414	20.000	ng	0.00
86) Perylene-d12	15.504	264	157863	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	23205	3.690	ng	0.02
7) Phenol-d6	6.492	99	33255	3.869	ng	0.00
23) Nitrobenzene-d5	7.416	82	18974	2.357	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	3780	2.199	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	35839	3.243	ng	-0.01
79) Terphenyl-d14	12.957	244	30172	2.261	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	8.151	128	121989	6.677	ng	99
32) Benzoic acid	7.939	122	1953	6.656	ng	# 17
33) 4-Chloroaniline	8.151	127	15229	2.151	ng	# 30
37) 2-Methylnaphthalene	8.845	142	29816	2.538	ng	94
38) 1-Methylnaphthalene	8.939	142	23540	2.026	ng	92
51) 2,6-Dinitrotoluene	9.886	165	21962	9.318	ng	# 17
52) Acenaphthene	9.916	154	33985	4.014	ng	92
56) 4-Nitrophenol	10.092	139	21868	16.619	ng	# 1
57) 2,4-Dinitrotoluene	9.886	165	21962	7.240	ng	# 14
58) Fluorene	10.433	166	62219	4.136	ng	99
71) Phenanthrene	11.398	178	411755	32.824	ng	99
72) Anthracene	11.451	178	109632	8.807	ng	98
73) Carbazole	11.616	167	34386	2.888	ng	97
75) Fluoranthene	12.592	202	357655	25.922	ng	99
78) Pyrene	12.821	202	306404	16.346	ng	98
81) Benzo(a)anthracene	14.010	228	126145	8.636	ng	98
83) Chrysene	14.051	228	101003	7.302	ng	97
87) Indeno(1,2,3-cd)pyrene	17.009	276	33818	3.166	ng	97
88) Benzo(b)fluoranthene	15.068	252	126277	12.687	ng	98
89) Benzo(k)fluoranthene	15.068	252	126277	12.238	ng	99
90) Benzo(a)pyrene	15.439	252	72177	8.836	ng	# 98
92) Benzo(g,h,i)perylene	17.462	276	32099	3.521	ng	96

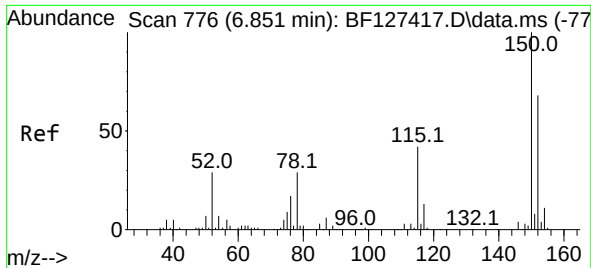
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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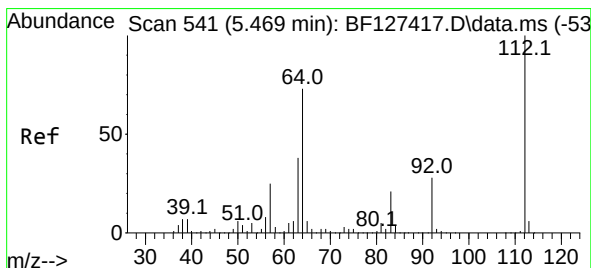
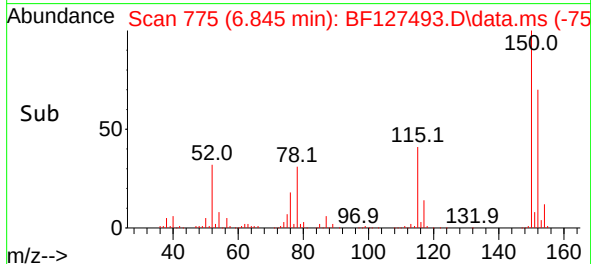
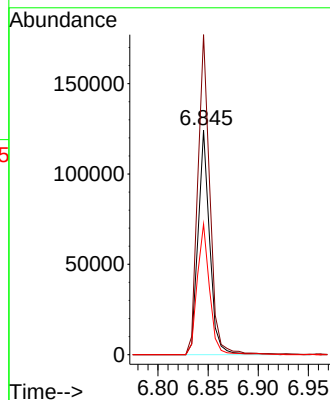
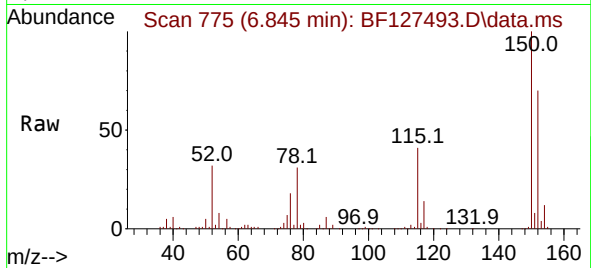




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

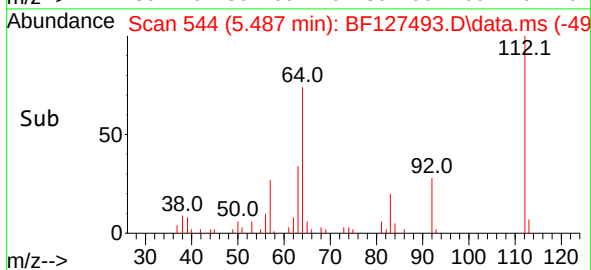
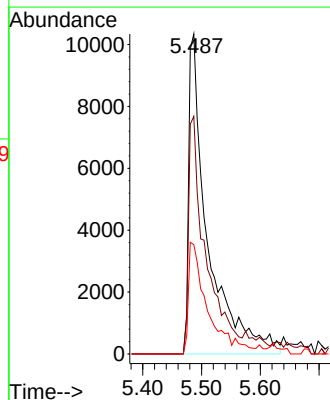
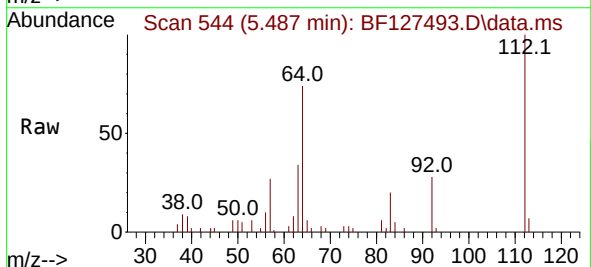
Instrument :
BNA_F
ClientSampleId :
C-17-16-17DL

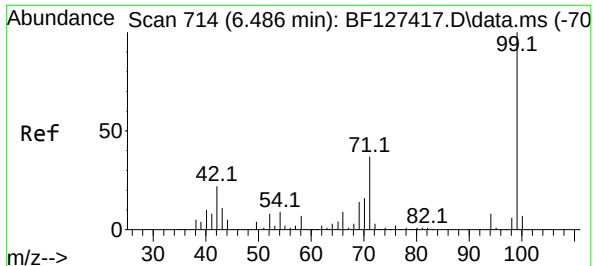
Tgt Ion:152 Resp: 100376
Ion Ratio Lower Upper
152 100
150 142.6 117.2 175.8
115 58.2 49.8 74.6



#5
2-Fluorophenol
Concen: 3.690 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.018 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Tgt Ion:112 Resp: 23205
Ion Ratio Lower Upper
112 100
64 74.3 58.4 87.6
63 34.1 30.1 45.1

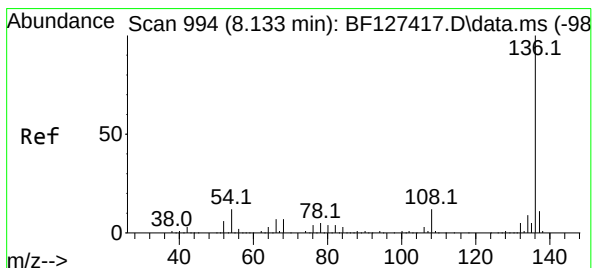
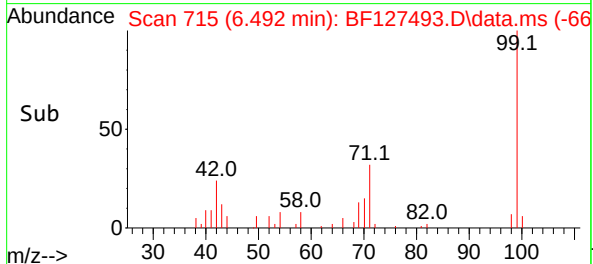
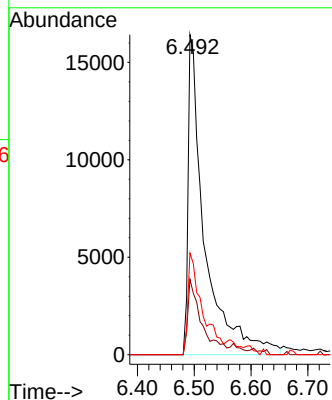
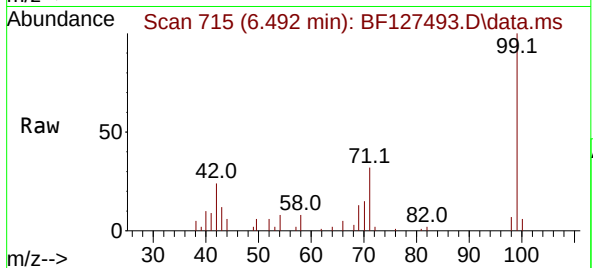




#7
Phenol-d6
Concen: 3.869 ng
RT: 6.492 min Scan# 714
Delta R.T. 0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

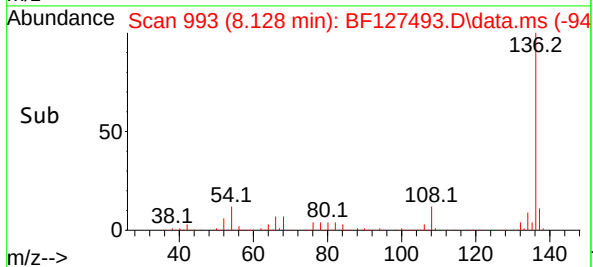
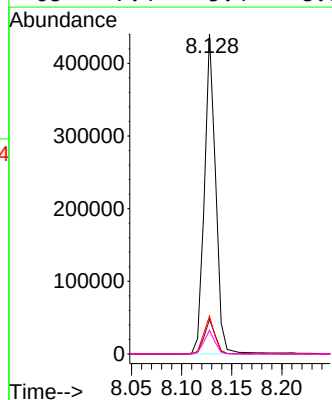
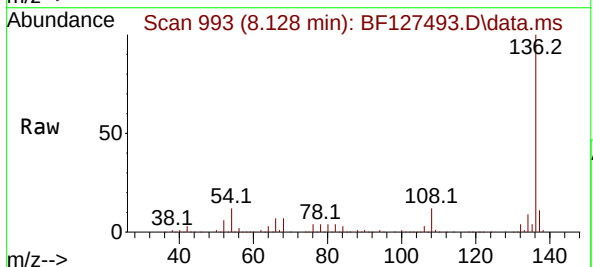
Instrument :
BNA_F
ClientSampleId :
C-17-16-17DL

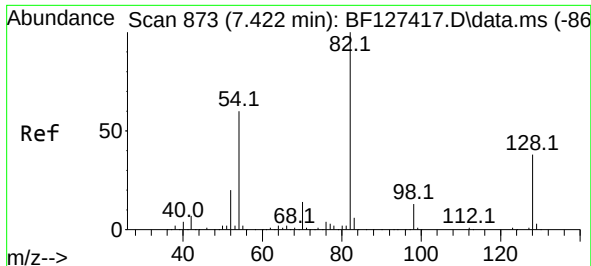
Tgt Ion: 99 Resp: 33255
Ion Ratio Lower Upper
99 100
42 23.6 17.8 26.6
71 31.8 29.6 44.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Tgt Ion: 136 Resp: 344119
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 11.9 9.2 13.8
68 7.4 5.4 8.0





#23

Nitrobenzene-d5

Concen: 2.357 ng

RT: 7.416 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF127493.D

Acq: 23 Mar 2022 21:14

Instrument :

BNA_F

ClientSampleId :

C-17-16-17DL

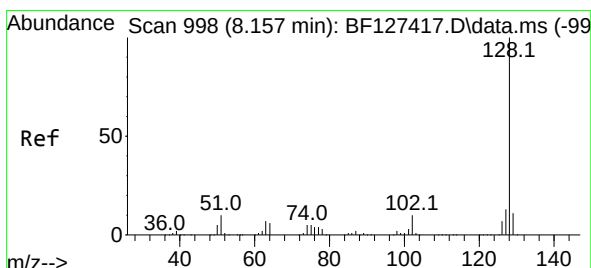
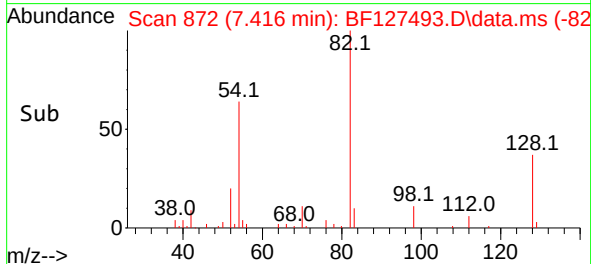
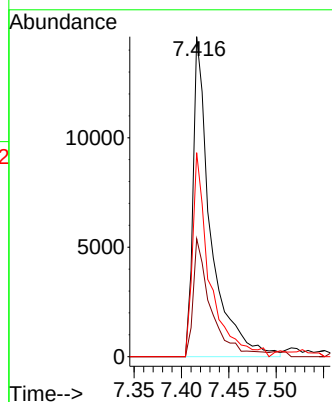
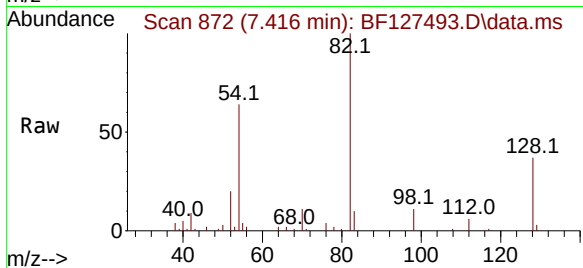
Tgt Ion: 82 Resp: 18974

Ion Ratio Lower Upper

82 100

128 36.9 30.6 45.8

54 63.8 48.2 72.2



#31

Naphthalene

Concen: 6.677 ng

RT: 8.151 min Scan# 997

Delta R.T. -0.006 min

Lab File: BF127493.D

Acq: 23 Mar 2022 21:14

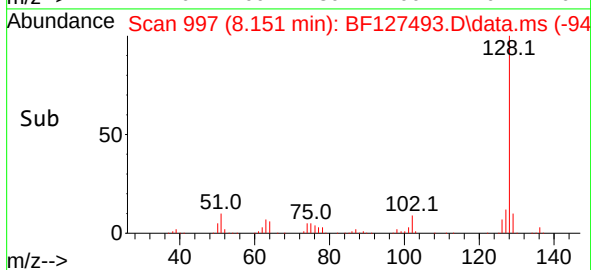
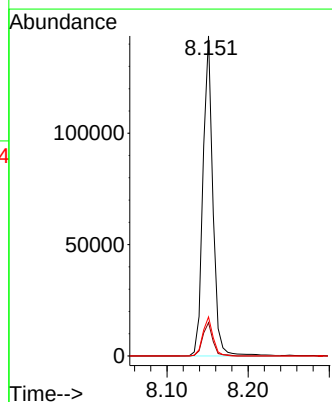
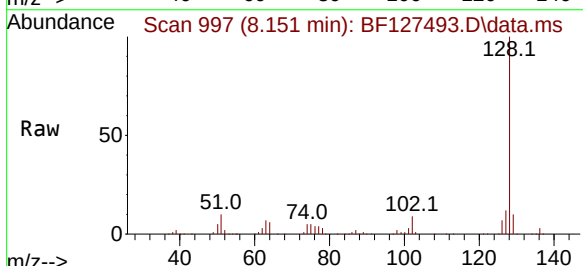
Tgt Ion:128 Resp: 121989

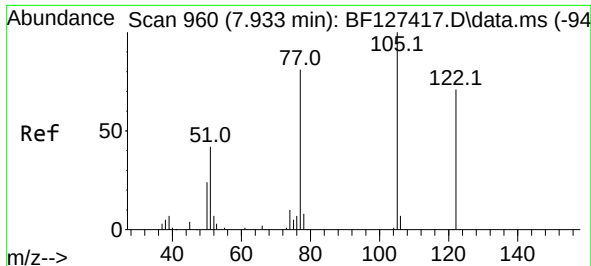
Ion Ratio Lower Upper

128 100

129 10.4 8.4 12.6

127 12.2 10.2 15.2

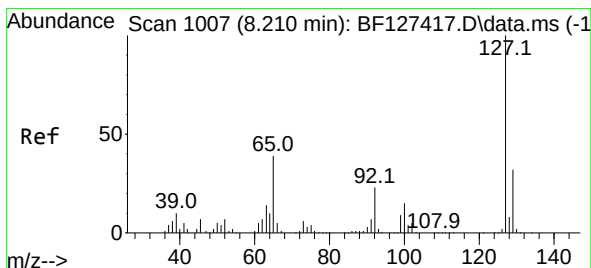
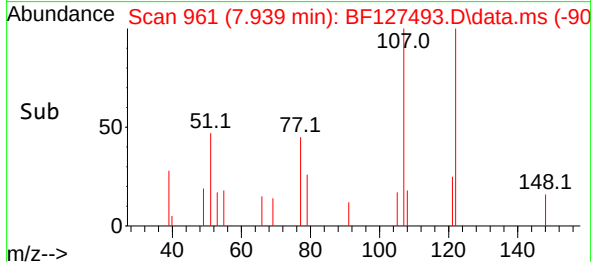
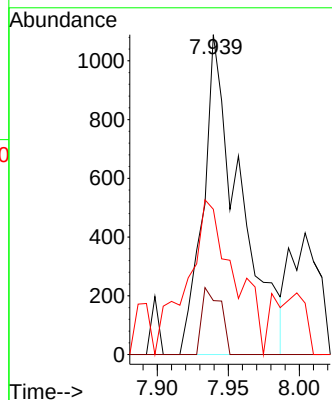
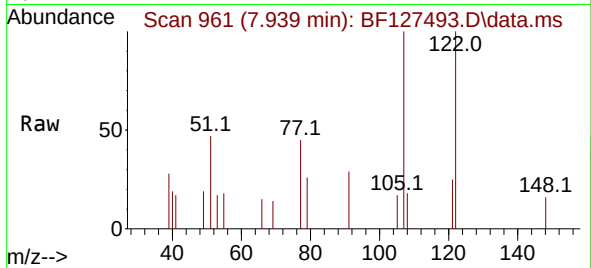




#32
Benzoic acid
Concen: 6.656 ng
RT: 7.939 min Scan# 90
Delta R.T. 0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

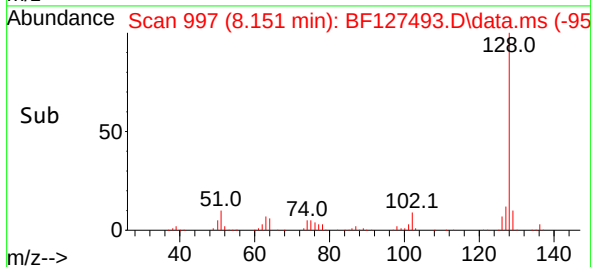
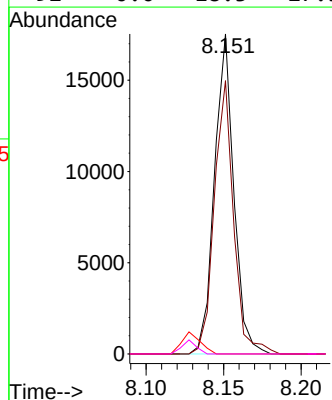
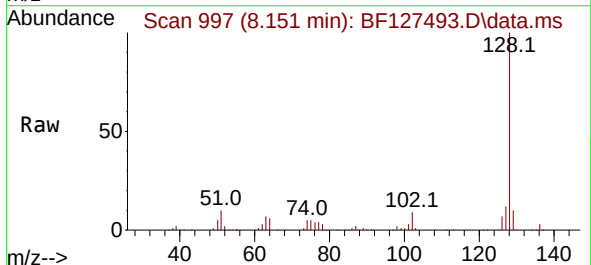
Instrument :
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C-17-16-17DL

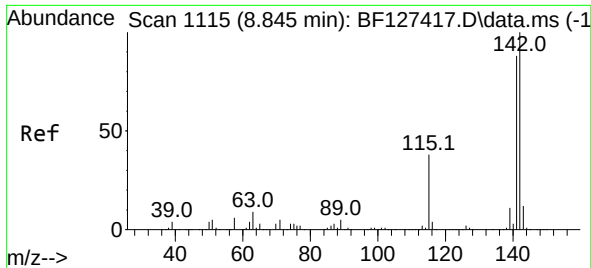
Tgt Ion:122 Resp: 1953
Ion Ratio Lower Upper
122 100
105 16.9 117.1 157.1#
77 45.5 93.0 133.0#



#33
4-Chloroaniline
Concen: 2.151 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.059 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Tgt Ion:127 Resp: 15229
Ion Ratio Lower Upper
127 100
129 85.4 25.9 38.9#
65 0.0 31.4 47.0#
92 0.0 18.3 27.5#

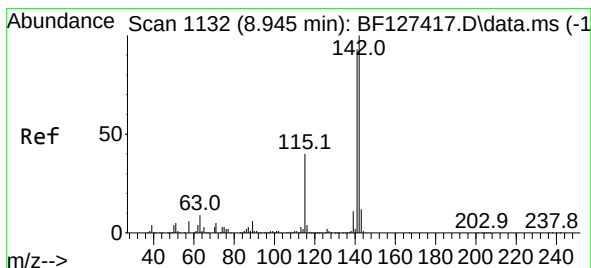
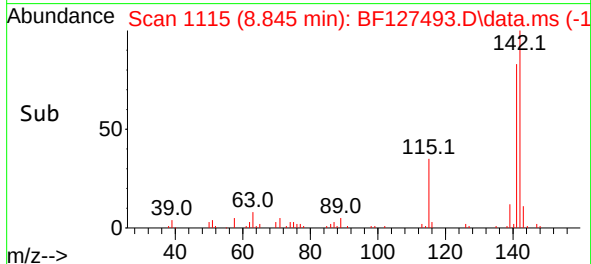
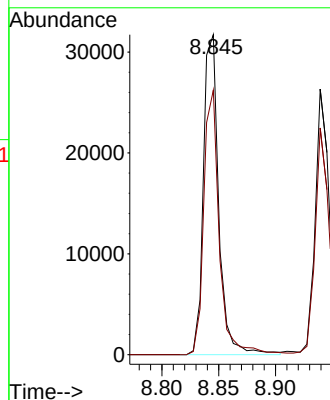
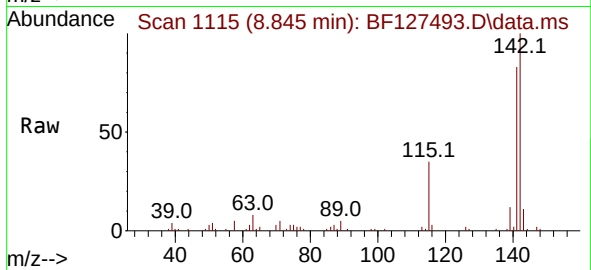




#37
2-Methylnaphthalene
Concen: 2.538 ng
RT: 8.845 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

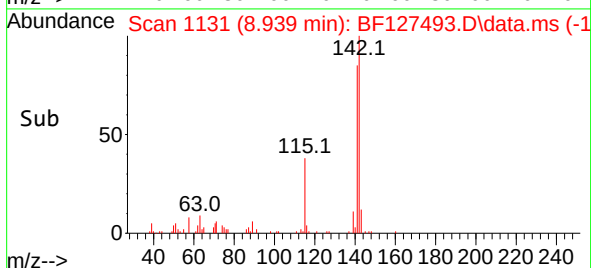
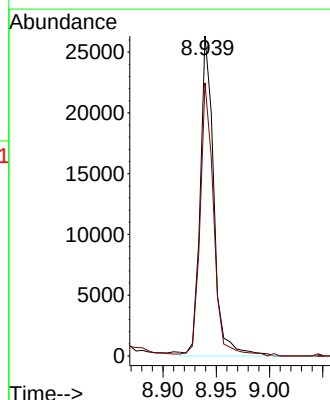
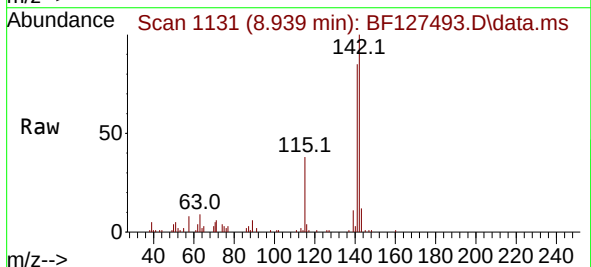
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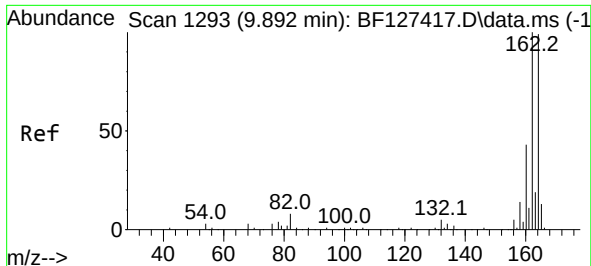
Tgt Ion:142 Resp: 29816
Ion Ratio Lower Upper
142 100
141 82.6 70.6 106.0



#38
1-Methylnaphthalene
Concen: 2.026 ng
RT: 8.939 min Scan# 1131
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

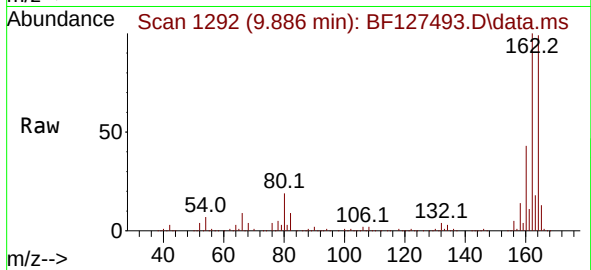
Tgt Ion:142 Resp: 23540
Ion Ratio Lower Upper
142 100
141 85.4 74.2 111.2



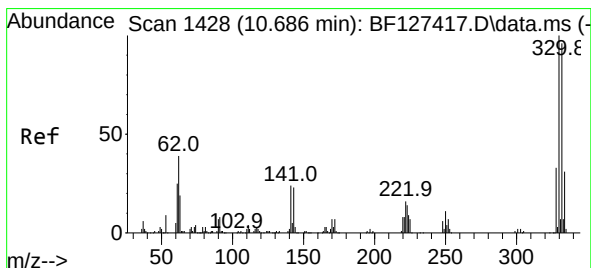
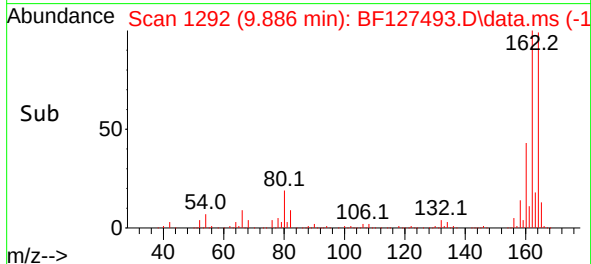
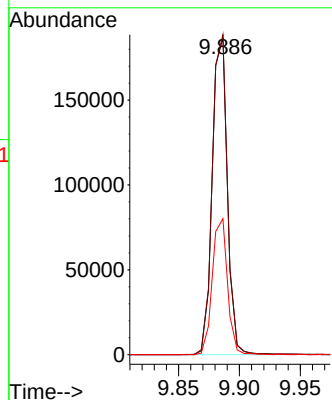


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

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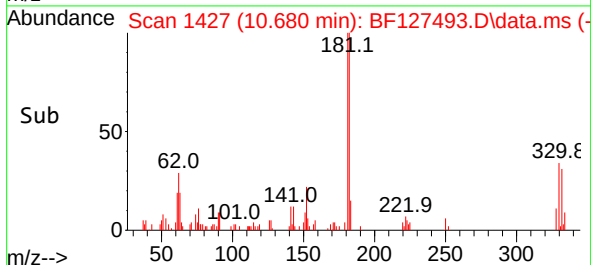
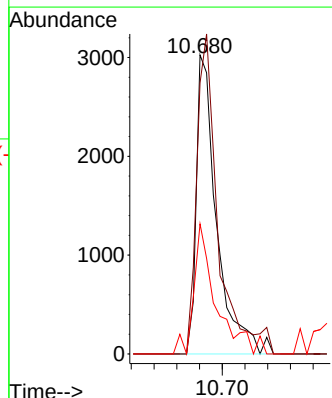
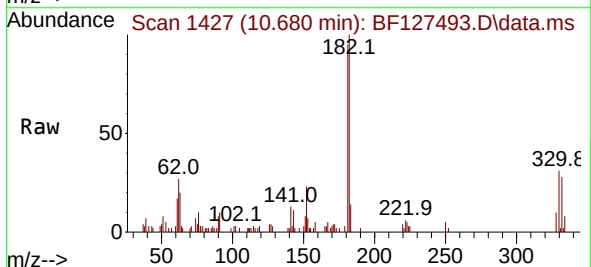


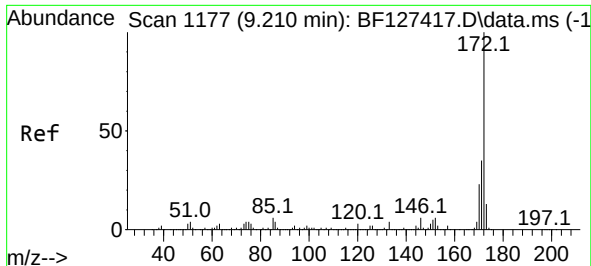
Tgt Ion:164 Resp: 161391
Ion Ratio Lower Upper
164 100
162 100.9 81.2 121.8
160 42.9 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 2.199 ng
RT: 10.680 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Tgt Ion:330 Resp: 3780
Ion Ratio Lower Upper
330 100
332 111.5 79.1 118.7
141 47.5 26.2 39.4#

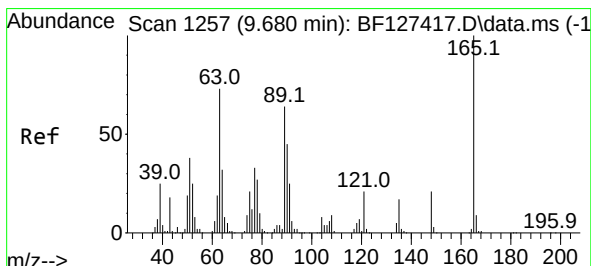
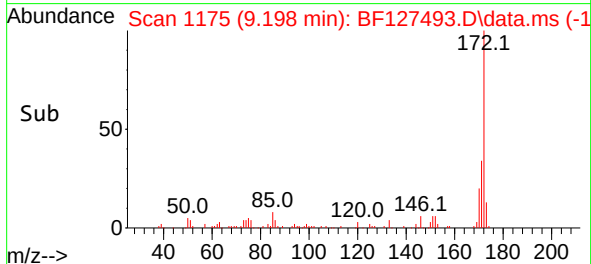
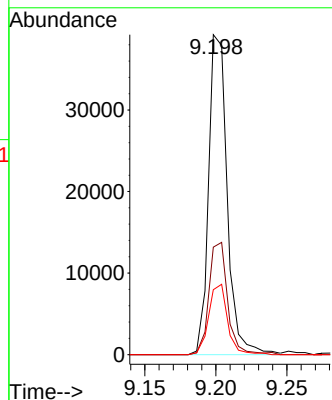
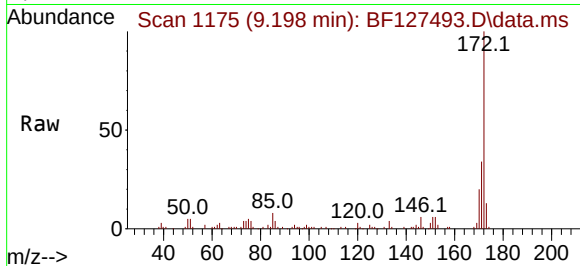




#45
2-Fluorobiphenyl
Concen: 3.243 ng
RT: 9.198 min Scan# 1177
Delta R.T. -0.012 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

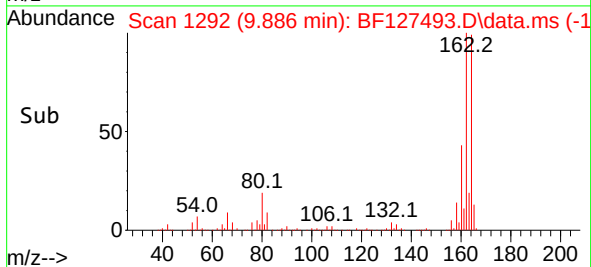
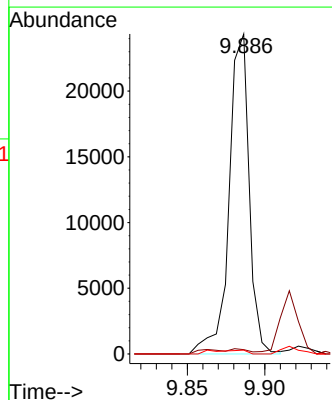
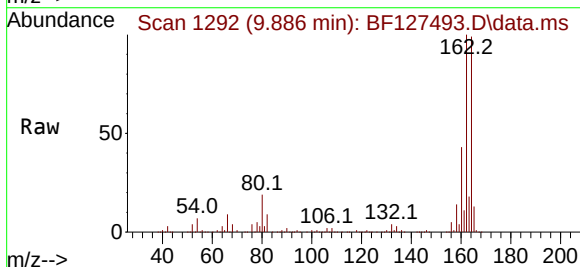
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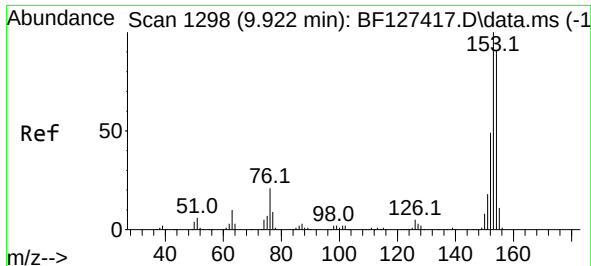
Tgt Ion:172 Resp: 35839
Ion Ratio Lower Upper
172 100
171 33.6 28.4 42.6
170 20.3 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.318 ng
RT: 9.886 min Scan# 1292
Delta R.T. 0.206 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Tgt Ion:165 Resp: 21962
Ion Ratio Lower Upper
165 100
63 1.3 58.3 87.5#
89 1.2 51.5 77.3#

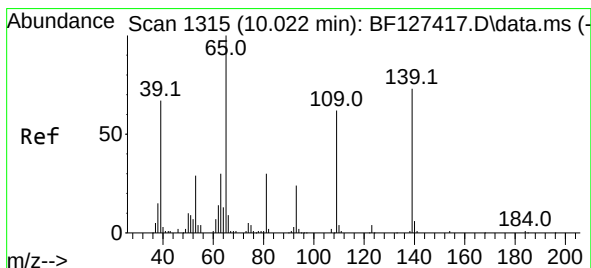
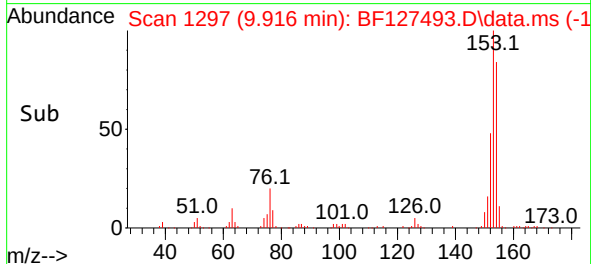
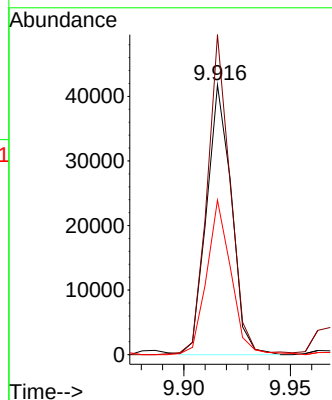
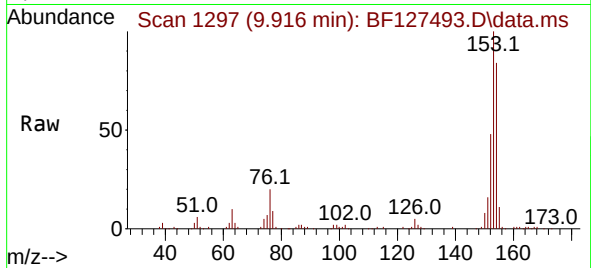




#52
Acenaphthene
Concen: 4.014 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

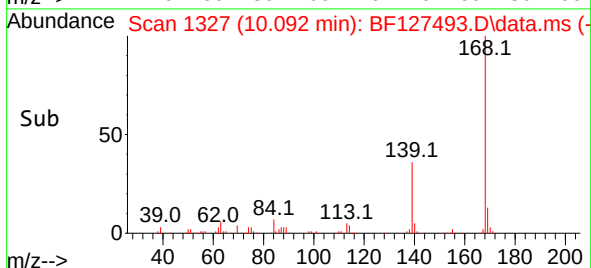
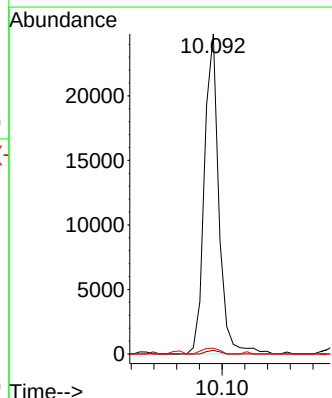
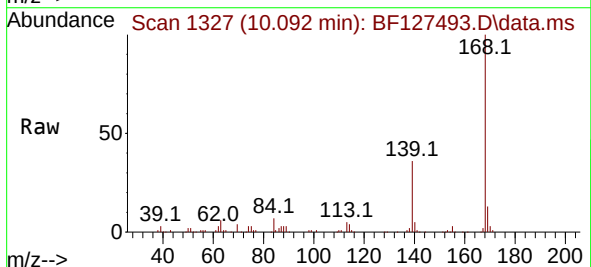
Instrument :
BNA_F
ClientSampleId :
C-17-16-17DL

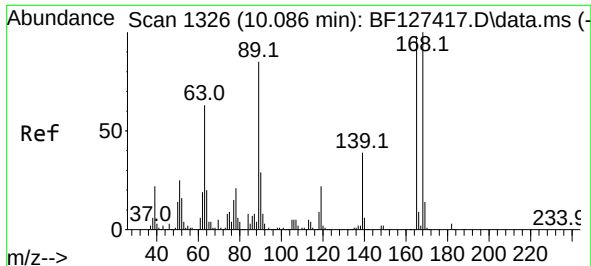
Tgt Ion:154 Resp: 33985
Ion Ratio Lower Upper
154 100
153 118.6 87.6 131.4
152 57.3 42.9 64.3



#56
4-Nitrophenol
Concen: 16.619 ng
RT: 10.092 min Scan# 1327
Delta R.T. 0.070 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Tgt Ion:139 Resp: 21868
Ion Ratio Lower Upper
139 100
109 1.1 64.3 104.3#
65 1.8 117.5 157.5#

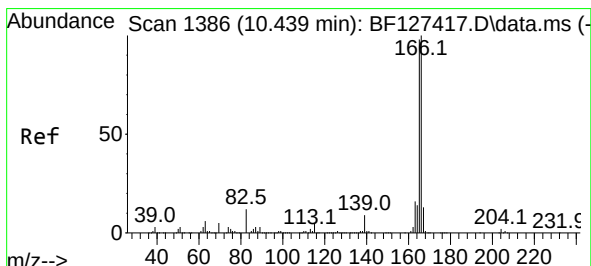
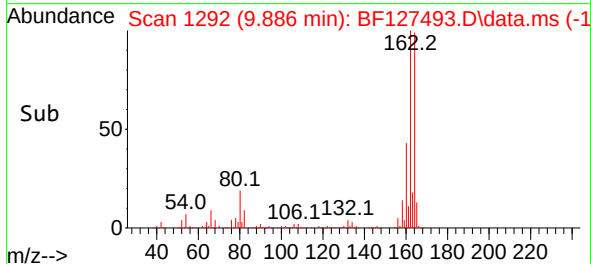
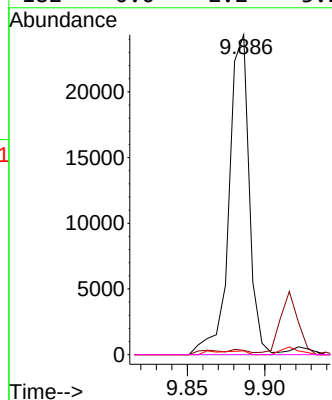
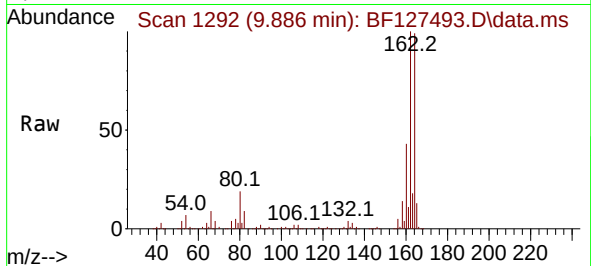




#57
2,4-Dinitrotoluene
Concen: 7.240 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

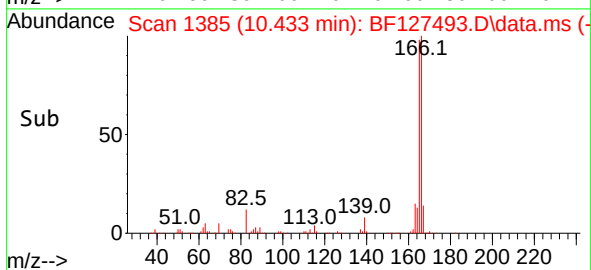
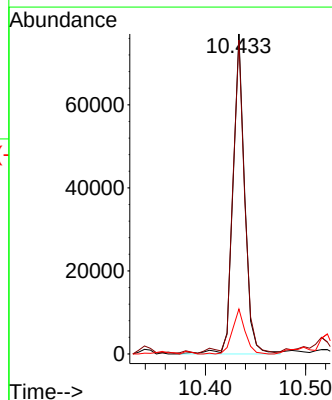
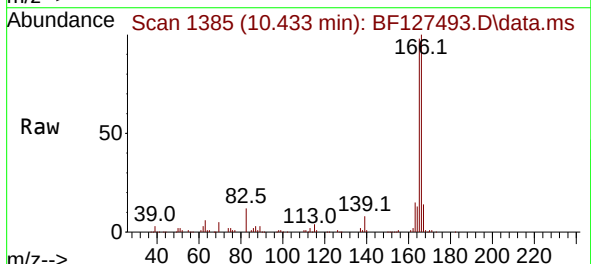
Instrument :
BNA_F
ClientSampleId :
C-17-16-17DL

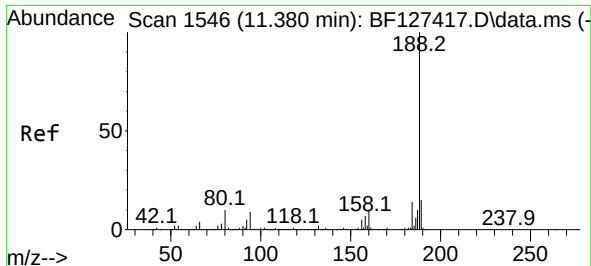
Tgt Ion:165 Resp: 21962
Ion Ratio Lower Upper
165 100
63 1.3 53.1 79.7#
89 1.2 69.2 103.8#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: 4.136 ng
RT: 10.433 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Tgt Ion:166 Resp: 62219
Ion Ratio Lower Upper
166 100
165 98.1 78.1 117.1
167 14.1 10.5 15.7

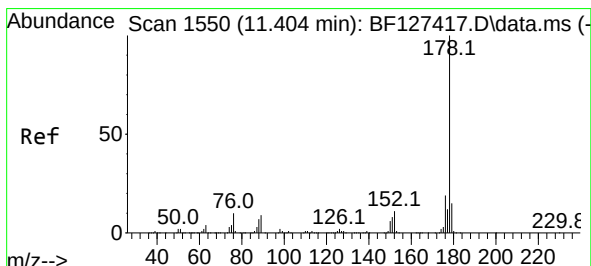
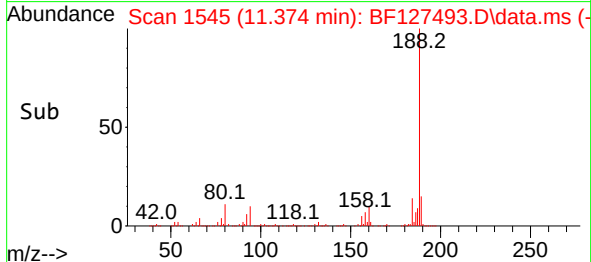
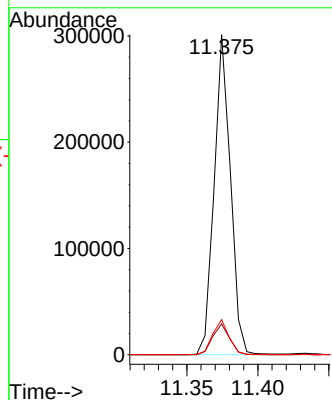
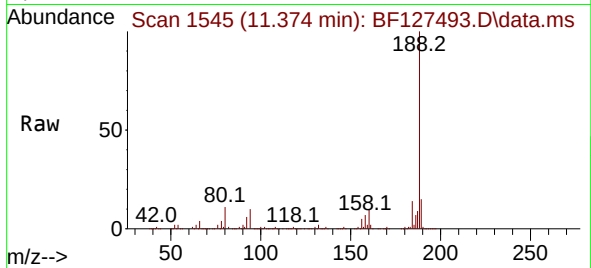




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

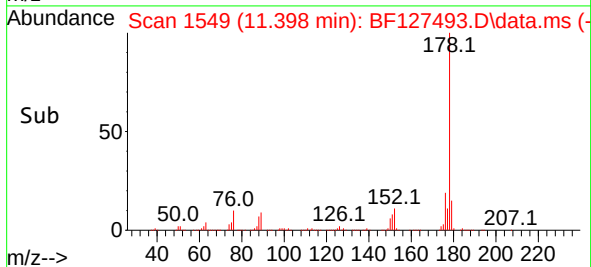
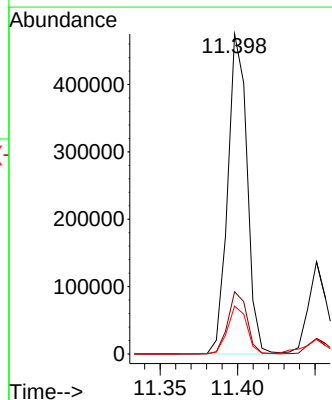
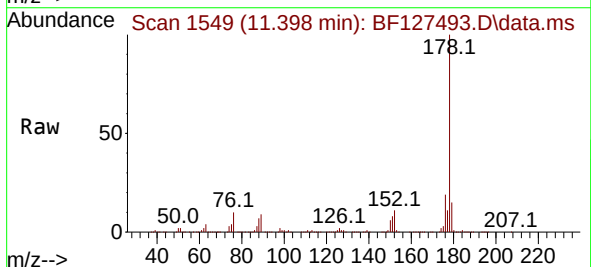
Instrument :
BNA_F
ClientSampleId :
C-17-16-17DL

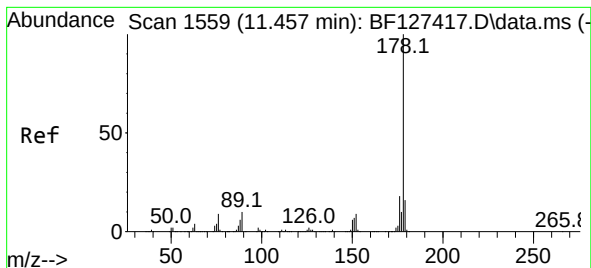
Tgt Ion:188 Resp: 240616
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.0
80 11.0 8.0 12.0



#71
Phenanthrene
Concen: 32.824 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Tgt Ion:178 Resp: 411755
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 14.9 12.4 18.6





#72

Anthracene

Concen: 8.807 ng

RT: 11.451 min Scan# 1558

Delta R.T. -0.006 min

Lab File: BF127493.D

Acq: 23 Mar 2022 21:14

Instrument :

BNA_F

ClientSampleId :

C-17-16-17DL

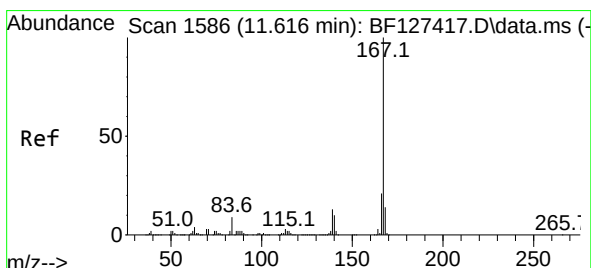
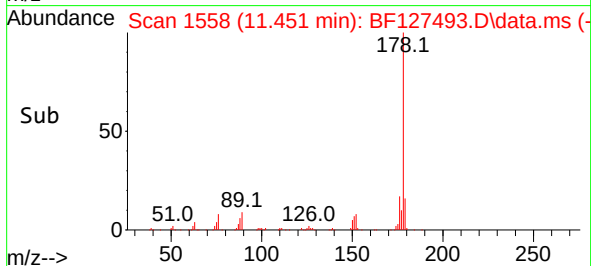
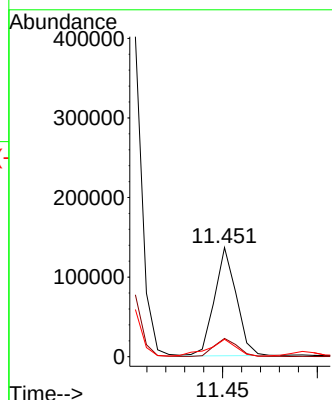
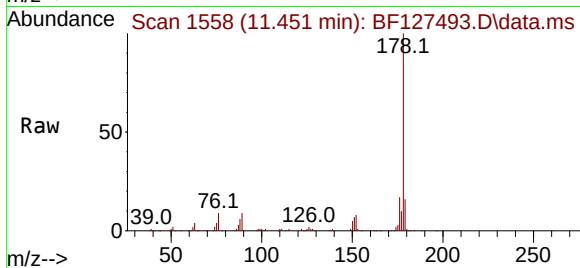
Tgt Ion:178 Resp: 109632

Ion Ratio Lower Upper

178 100

176 16.8 14.6 22.0

179 16.0 12.4 18.6



#73

Carbazole

Concen: 2.888 ng

RT: 11.616 min Scan# 1586

Delta R.T. 0.000 min

Lab File: BF127493.D

Acq: 23 Mar 2022 21:14

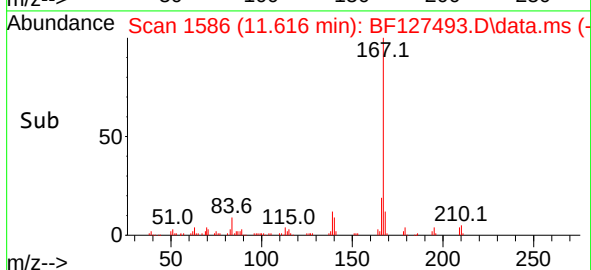
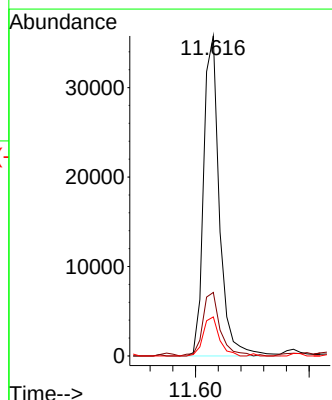
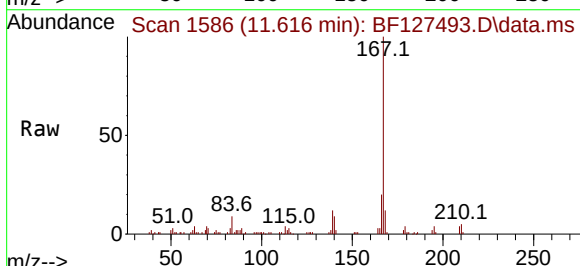
Tgt Ion:167 Resp: 34386

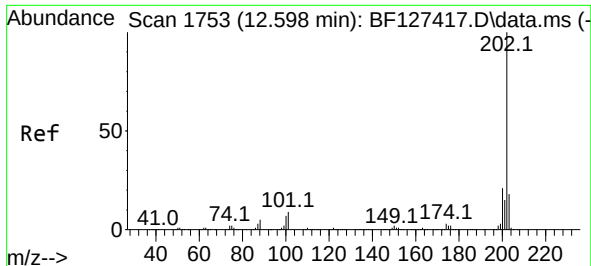
Ion Ratio Lower Upper

167 100

166 19.8 17.0 25.4

139 12.2 10.5 15.7

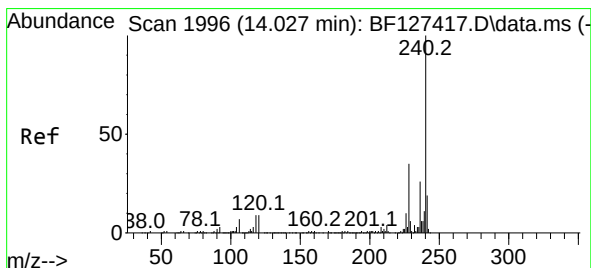
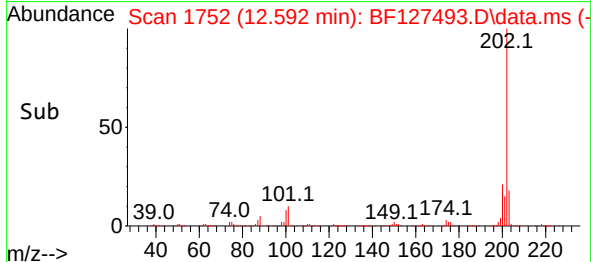
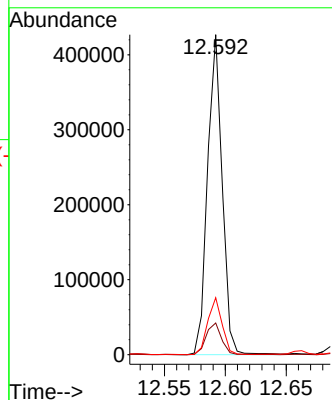
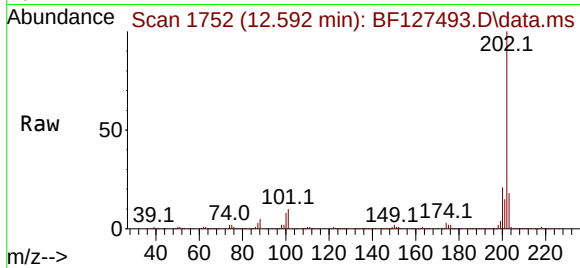




#75
Fluoranthene
Concen: 25.922 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

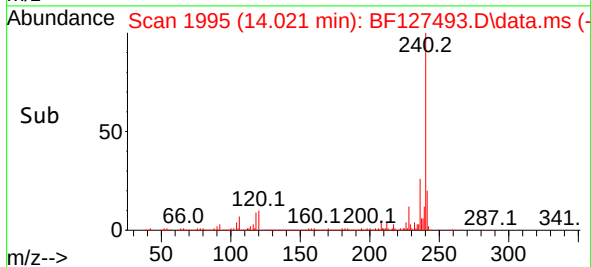
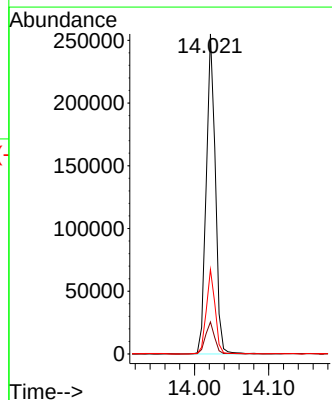
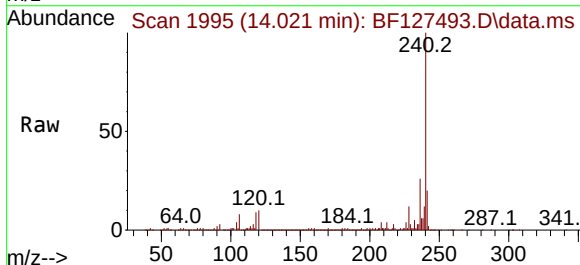
Instrument :
BNA_F
ClientSampleId :
C-17-16-17DL

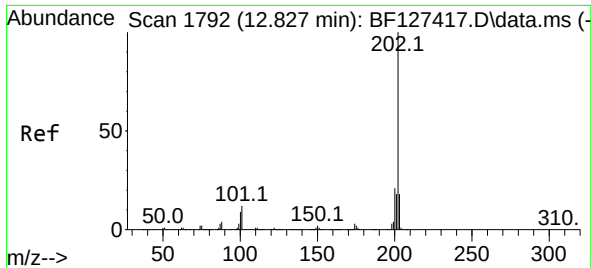
Tgt Ion:202 Resp: 357655
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.0
203 17.8 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Tgt Ion:240 Resp: 218414
Ion Ratio Lower Upper
240 100
120 10.0 7.1 10.7
236 26.4 20.7 31.1

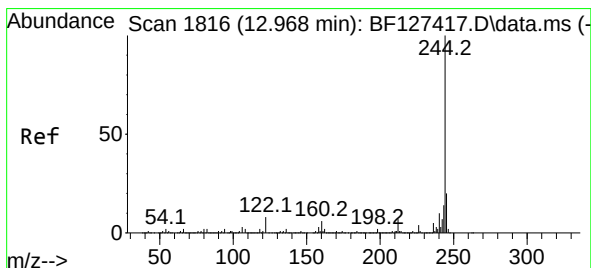
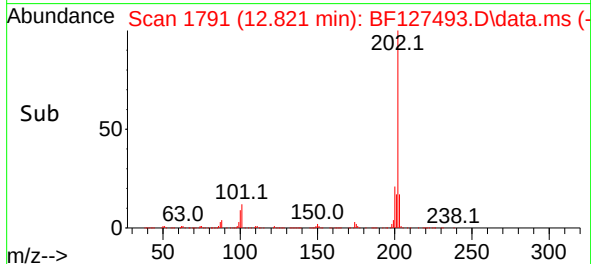
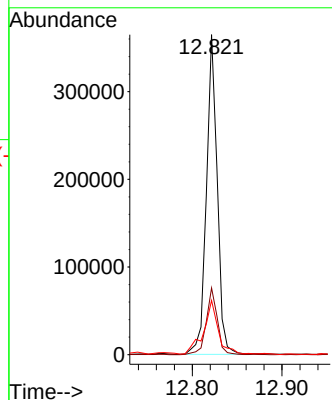
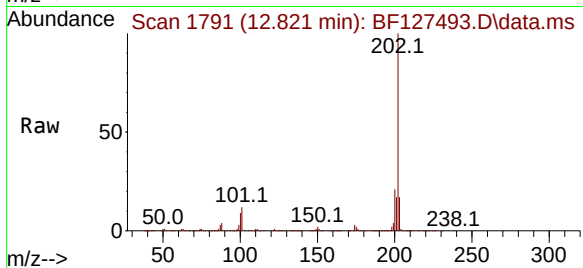




#78
 Pyrene
 Concen: 16.346 ng
 RT: 12.821 min Scan# 1792
 Delta R.T. -0.006 min
 Lab File: BF127493.D
 Acq: 23 Mar 2022 21:14

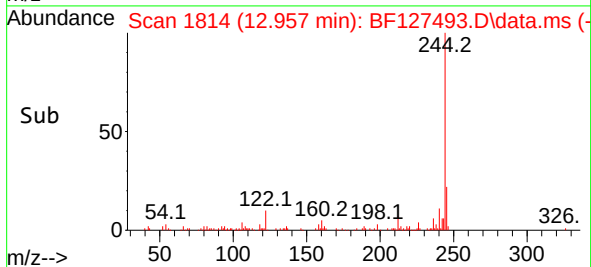
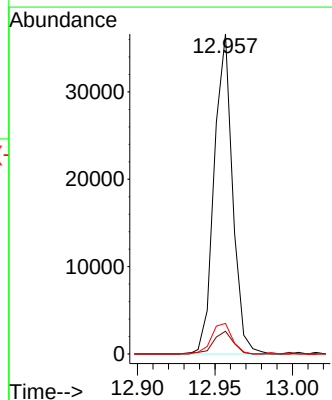
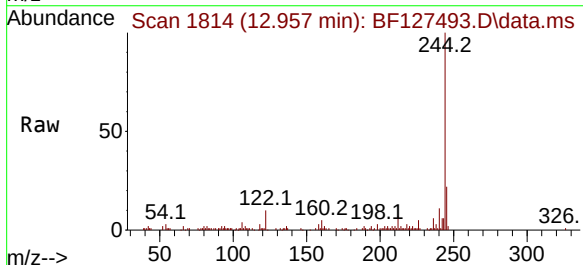
Instrument :
 BNA_F
 ClientSampleId :
 C-17-16-17DL

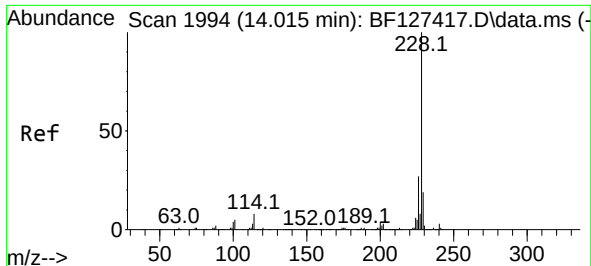
Tgt Ion:202 Resp: 306404
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.1 25.7
 203 17.0 14.3 21.5



#79
 Terphenyl-d14
 Concen: 2.261 ng
 RT: 12.957 min Scan# 1814
 Delta R.T. -0.012 min
 Lab File: BF127493.D
 Acq: 23 Mar 2022 21:14

Tgt Ion:244 Resp: 30172
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 9.6 6.2 9.2#

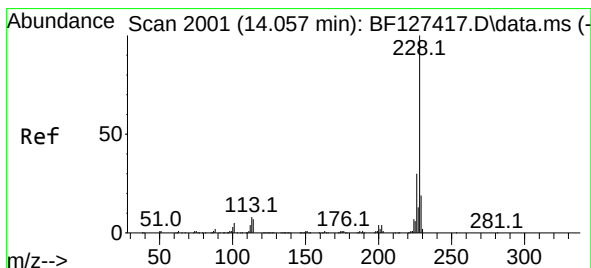
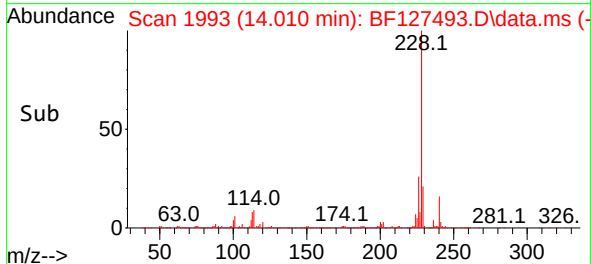
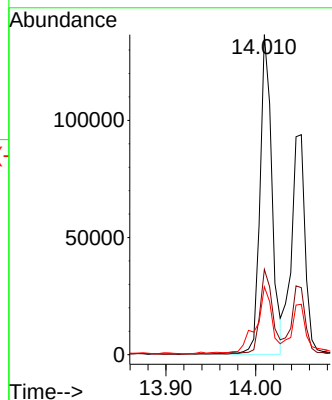
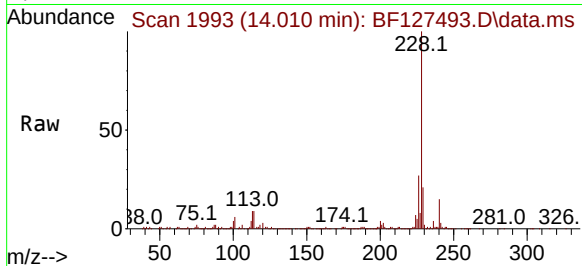




#81
Benzo(a)anthracene
Concen: 8.636 ng
RT: 14.010 min Scan# 1994
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

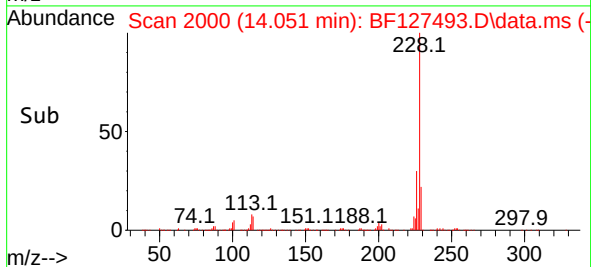
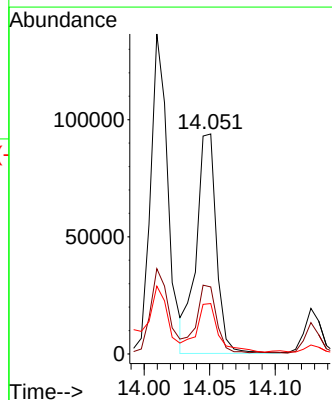
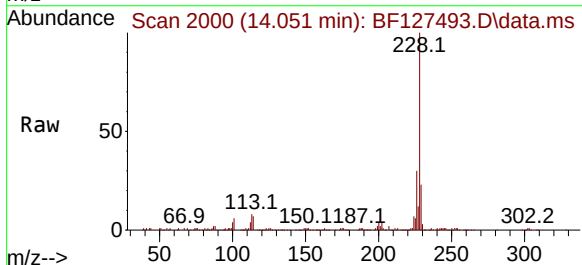
Instrument :
BNA_F
ClientSampleId :
C-17-16-17DL

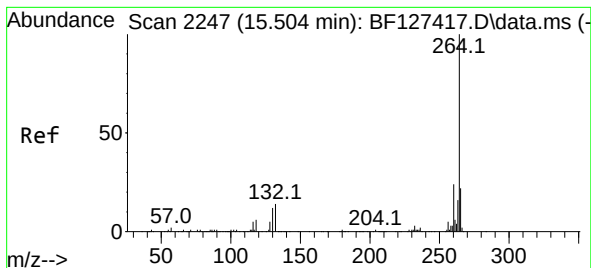
Tgt Ion:228 Resp: 126145
Ion Ratio Lower Upper
228 100
226 26.6 21.6 32.4
229 21.2 15.4 23.2



#83
Chrysene
Concen: 7.302 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Tgt Ion:228 Resp: 101003
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.4
229 22.9 15.4 23.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF127493.D

Acq: 23 Mar 2022 21:14

Instrument :

BNA_F

ClientSampleId :

C-17-16-17DL

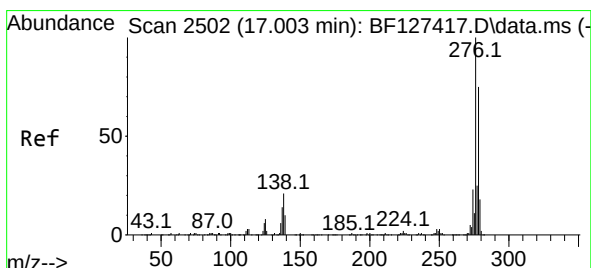
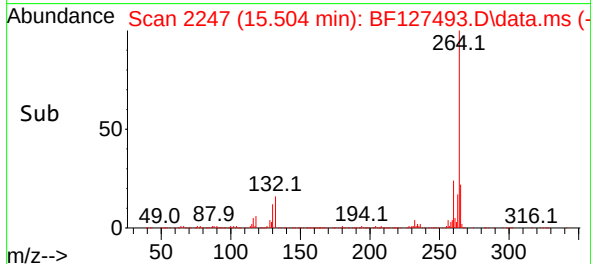
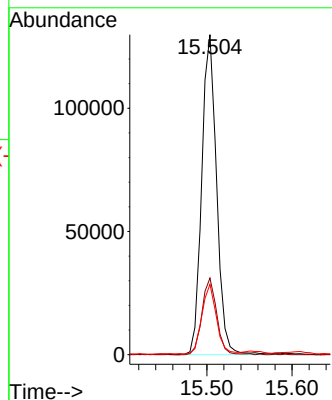
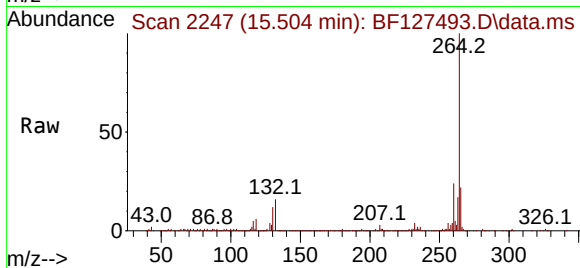
Tgt Ion:264 Resp: 157863

Ion Ratio Lower Upper

264 100

260 23.9 19.1 28.7

265 22.0 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.166 ng

RT: 17.009 min Scan# 2503

Delta R.T. 0.006 min

Lab File: BF127493.D

Acq: 23 Mar 2022 21:14

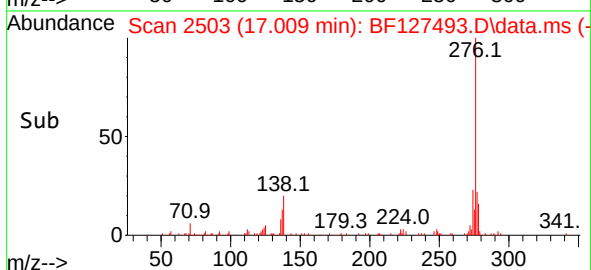
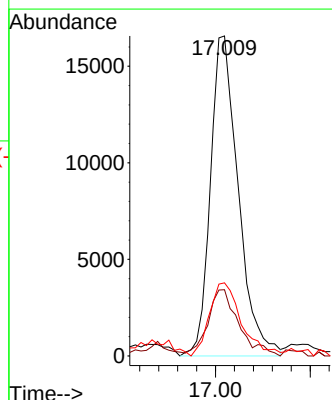
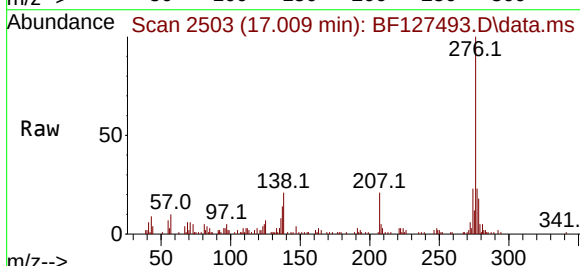
Tgt Ion:276 Resp: 33818

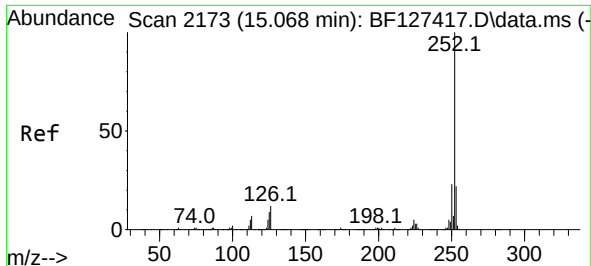
Ion Ratio Lower Upper

276 100

138 23.0 17.1 25.7

277 26.2 19.9 29.9

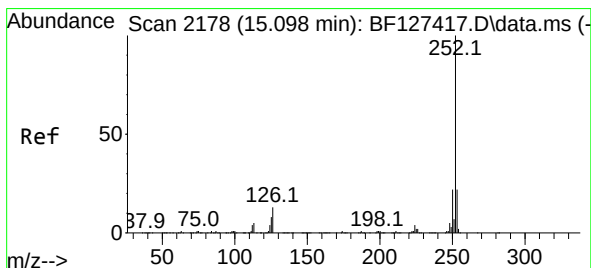
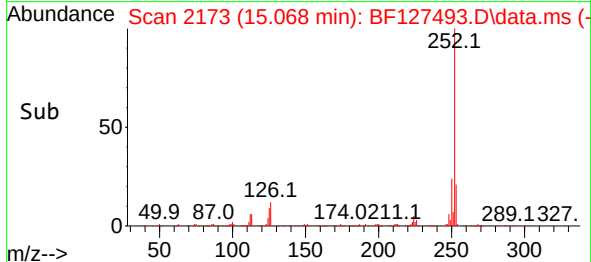
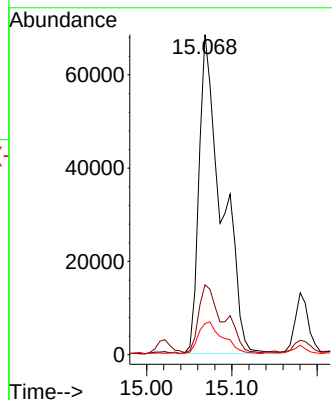
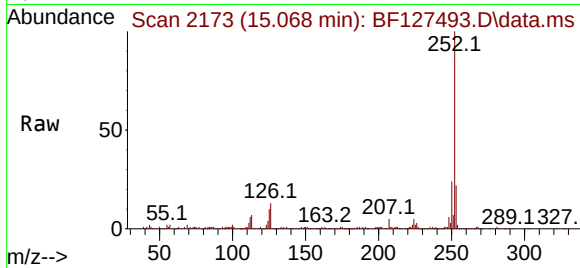




#88
Benzo(b)fluoranthene
Concen: 12.687 ng
RT: 15.068 min Scan# 2173
Delta R.T. 0.000 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

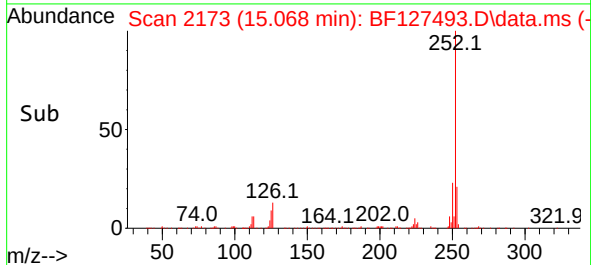
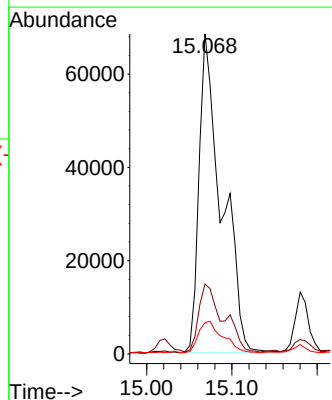
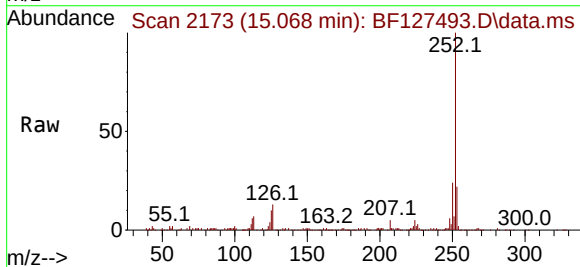
Instrument :
BNA_F
ClientSampleId :
C-17-16-17DL

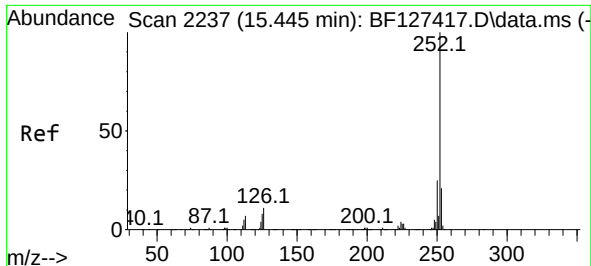
Tgt Ion:252 Resp: 126277
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 9.8 7.0 10.4



#89
Benzo(k)fluoranthene
Concen: 12.238 ng
RT: 15.068 min Scan# 2173
Delta R.T. -0.030 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Tgt Ion:252 Resp: 126277
Ion Ratio Lower Upper
252 100
253 21.8 17.3 25.9
125 9.8 6.9 10.3

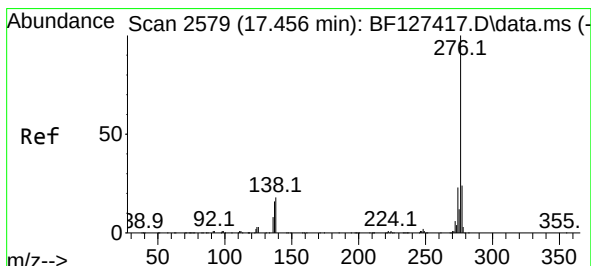
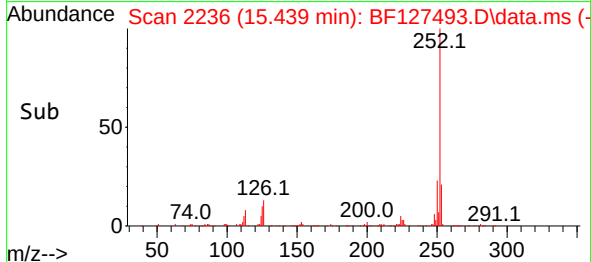
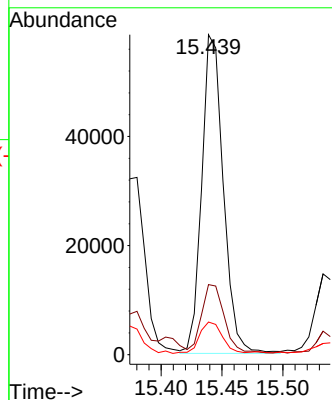
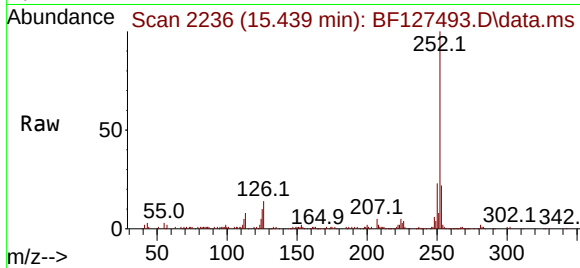




#90
Benzo(a)pyrene
Concen: 8.836 ng
RT: 15.439 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Instrument :
BNA_F
ClientSampleId :
C-17-16-17DL

Tgt Ion:252 Resp: 72177
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.6
125 10.2 6.7 10.1#



#92
Benzo(g,h,i)perylene
Concen: 3.521 ng
RT: 17.462 min Scan# 2580
Delta R.T. 0.006 min
Lab File: BF127493.D
Acq: 23 Mar 2022 21:14

Tgt Ion:276 Resp: 32099
Ion Ratio Lower Upper
276 100
277 25.3 19.0 28.4
138 20.5 14.6 22.0

