

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032922\
 Data File : BF127577.D
 Acq On : 29 Mar 2022 20:46
 Operator : CG\JU
 Sample : N2125-01DL 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-124030DL

Quant Time: Mar 30 08:33:01 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 29 07:13:31 2022
 Response via : Initial Calibration

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

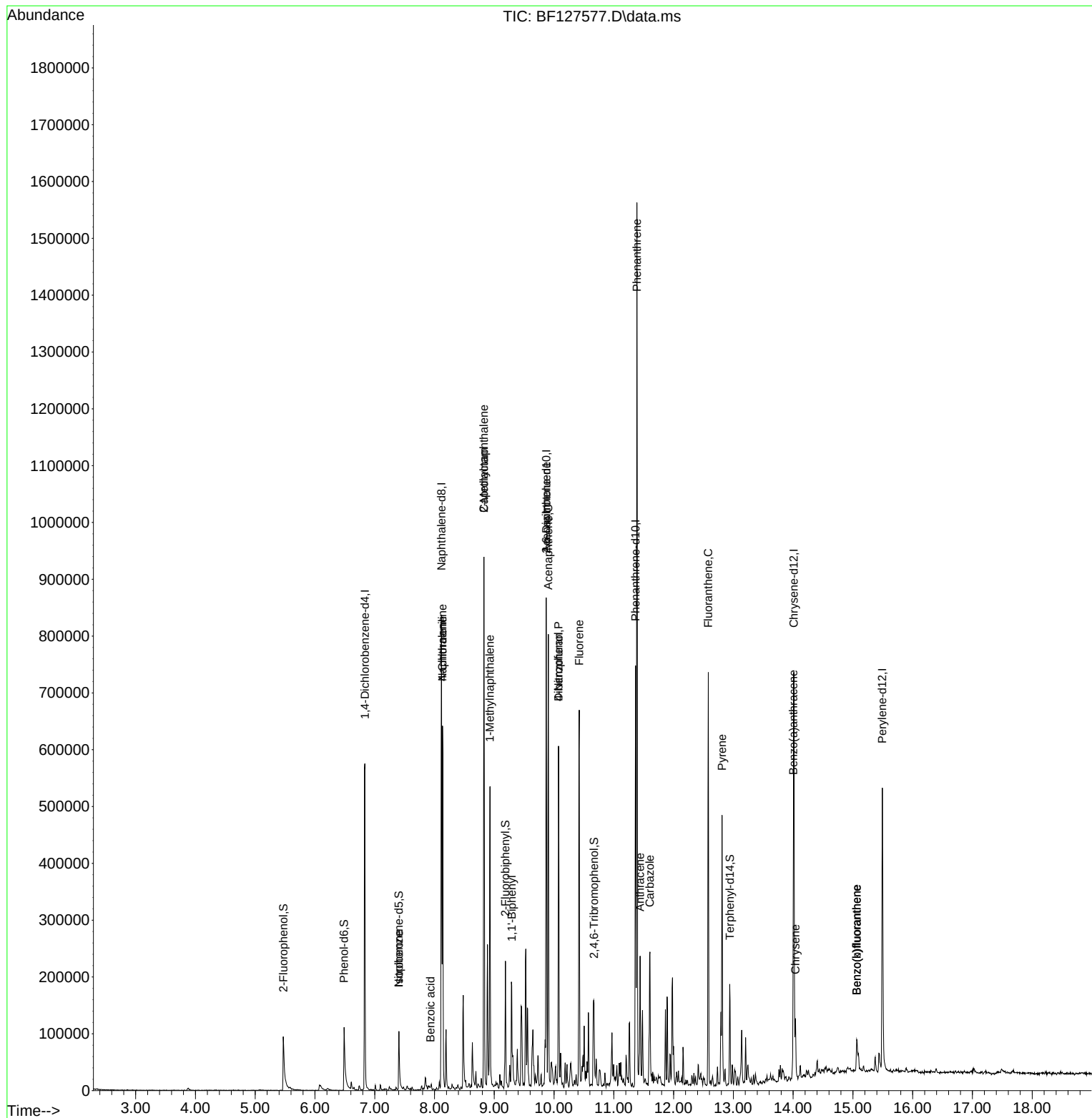
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	87566	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	309743	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	159437	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	240796	20.000	ng	0.00
76) Chrysene-d12	14.010	240	220574	20.000	ng	0.00
86) Perylene-d12	15.492	264	222229	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	43598	7.947	ng	0.01
7) Phenol-d6	6.487	99	63227	8.432	ng	0.00
23) Nitrobenzene-d5	7.404	82	40776	5.627	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	9014	5.307	ng	0.00
45) 2-Fluorobiphenyl	9.187	172	55554	5.088	ng	0.00
79) Terphenyl-d14	12.939	244	53618	3.979	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.610	77	663	Below Cal	#	19
25) Isophorone	7.404	82	40776	3.533	ng	# 70
31) Naphthalene	8.134	128	266048	16.178	ng	100
32) Benzoic acid	7.934	122	1286	6.491	ng	# 4
33) 4-Chloroaniline	8.134	127	33186	5.208	ng	# 29
35) Caprolactam	8.828	113	4890	3.205	ng	# 1
37) 2-Methylnaphthalene	8.828	142	216179	20.444	ng	99
38) 1-Methylnaphthalene	8.928	142	124213	11.880	ng	99
46) 1,1'-Biphenyl	9.292	154	56969	4.731	ng	99
51) 2,6-Dinitrotoluene	9.869	165	24622	10.575	ng	# 17
52) Acenaphthene	9.904	154	147817	17.673	ng	96
55) Dibenzofuran	10.075	168	205433	14.799	ng	98
56) 4-Nitrophenol	10.075	139	74321	57.174	ng	# 1
58) Fluorene	10.422	166	175890	16.620	ng	97
71) Phenanthrene	11.386	178	534442	42.572	ng	100
72) Anthracene	11.439	178	78475	6.299	ng	98
73) Carbazole	11.604	167	88237	7.406	ng	99
75) Fluoranthene	12.580	202	268194	19.423	ng	98
78) Pyrene	12.810	202	186774	9.866	ng	98
81) Benzo(a)anthracene	14.004	228	50095	3.396	ng	98
83) Chrysene	14.039	228	40256	2.882	ng	97
88) Benzo(b)fluoranthene	15.063	252	40724	2.906	ng	# 97
89) Benzo(k)fluoranthene	15.063	252	40724	2.804	ng	# 96

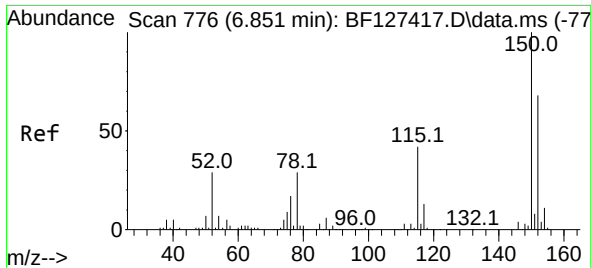
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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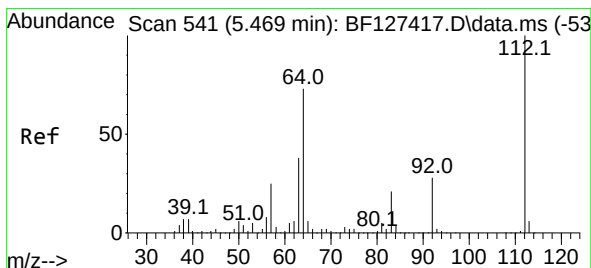
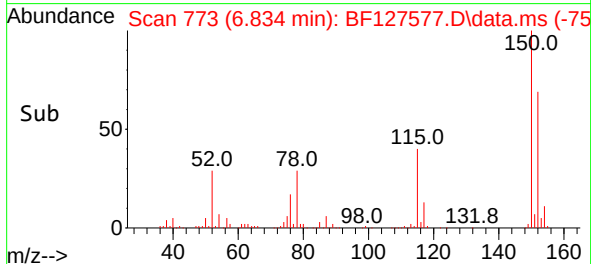
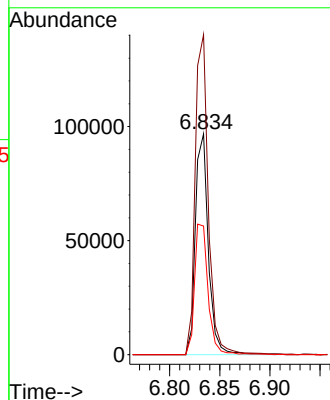
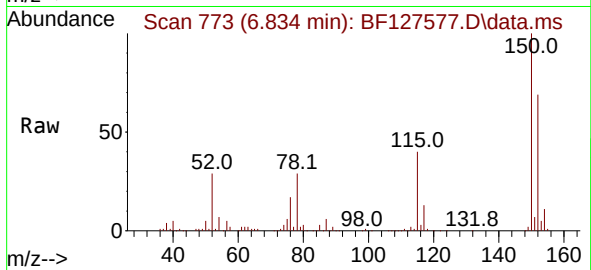




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

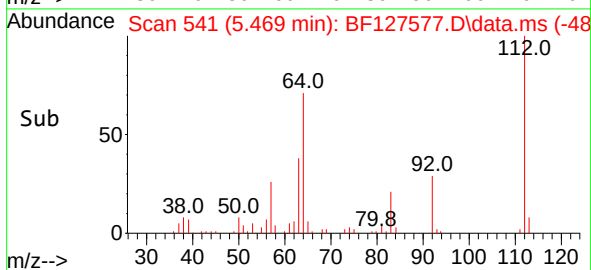
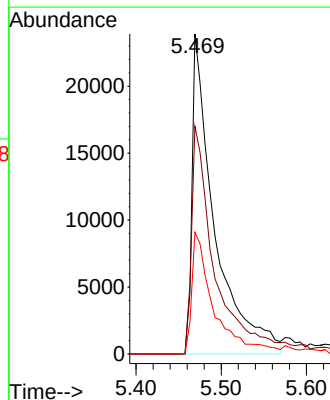
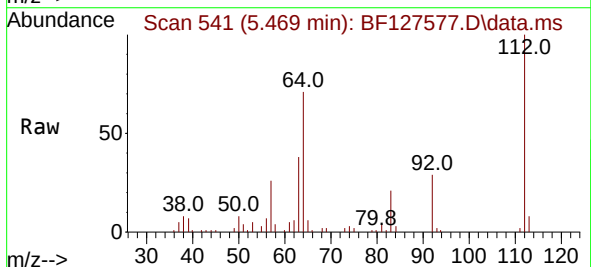
Instrument :
BNA_F
ClientSampleId :
RO-124030DL

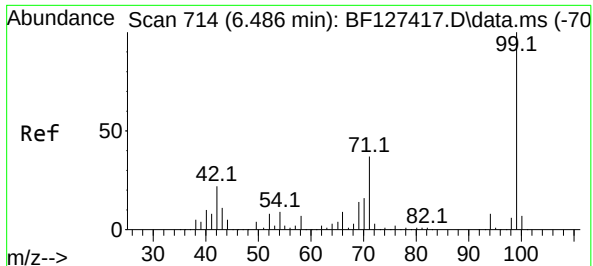
Tgt Ion:152 Resp: 87566
Ion Ratio Lower Upper
152 100
150 144.9 117.2 175.8
115 58.2 49.8 74.6



#5
2-Fluorophenol
Concen: 7.947 ng
RT: 5.469 min Scan# 541
Delta R.T. 0.012 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

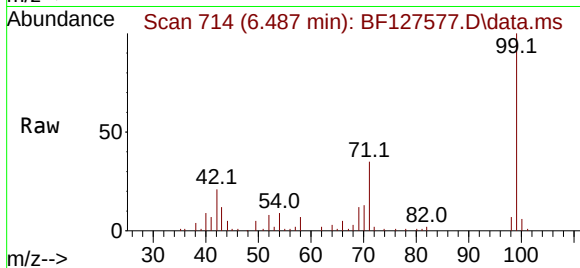
Tgt Ion:112 Resp: 43598
Ion Ratio Lower Upper
112 100
64 71.2 58.4 87.6
63 38.0 30.1 45.1



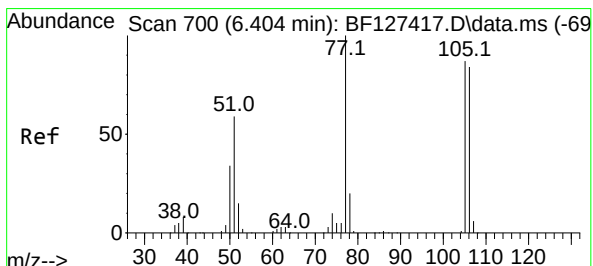
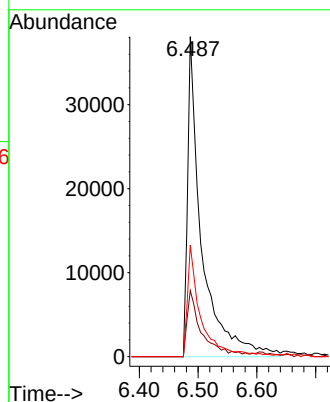
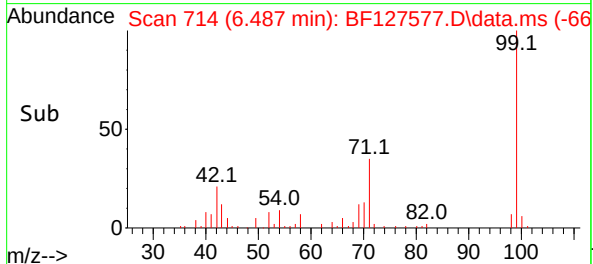


#7
Phenol-d6
Concen: 8.432 ng
RT: 6.487 min Scan# 714
Delta R.T. 0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Instrument :
BNA_F
ClientSampleId :
RO-124030DL

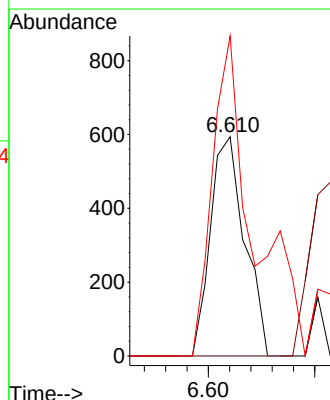
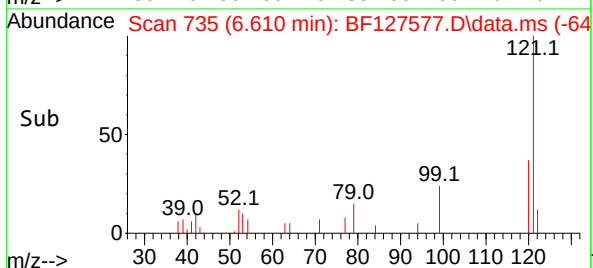
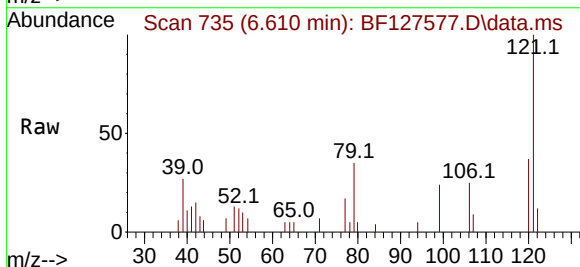


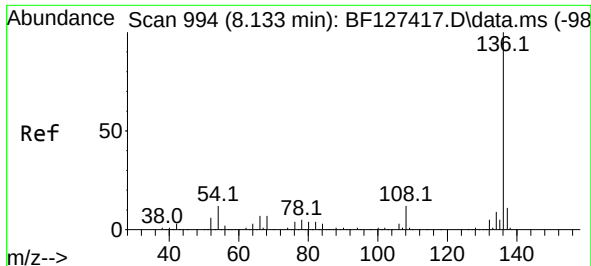
Tgt Ion: 99 Resp: 63227
Ion Ratio Lower Upper
99 100
42 20.7 17.8 26.6
71 34.9 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.610 min Scan# 735
Delta R.T. 0.218 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Tgt Ion: 77 Resp: 663
Ion Ratio Lower Upper
77 100
105 0.0 66.8 106.8#
106 146.0 64.3 104.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF127577.D

Acq: 29 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

RO-124030DL

Tgt Ion:136 Resp: 309743

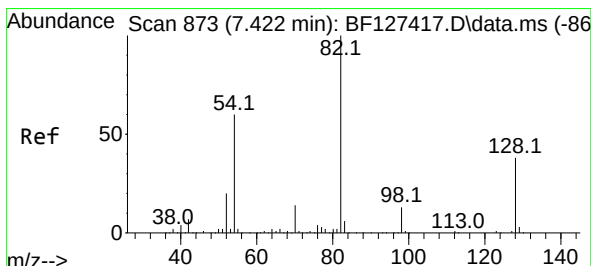
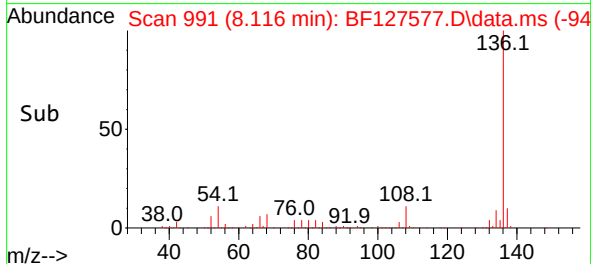
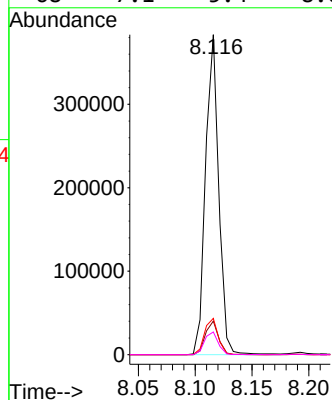
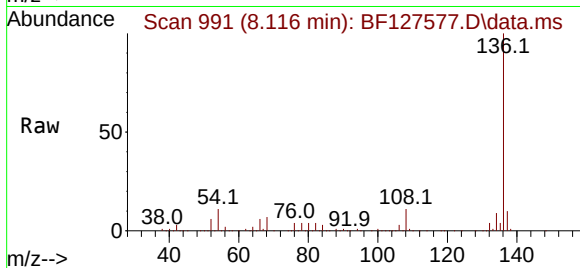
Ion Ratio Lower Upper

136 100

137 10.5 8.6 13.0

54 11.3 9.2 13.8

68 7.1 5.4 8.0



#23

Nitrobenzene-d5

Concen: 5.627 ng

RT: 7.404 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF127577.D

Acq: 29 Mar 2022 20:46

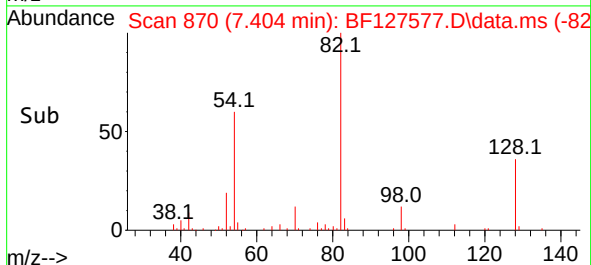
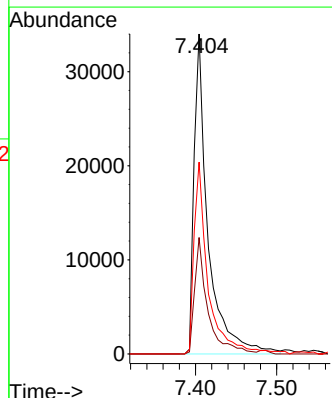
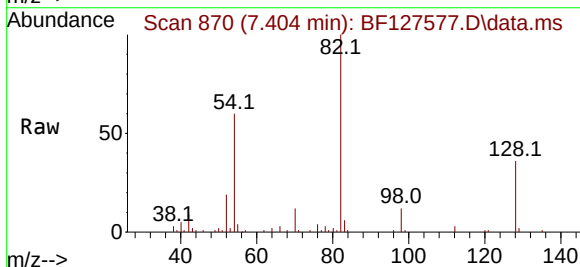
Tgt Ion: 82 Resp: 40776

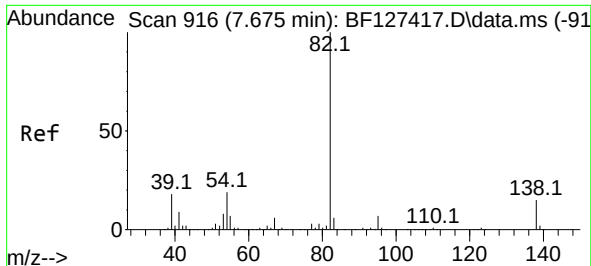
Ion Ratio Lower Upper

82 100

128 36.4 30.6 45.8

54 60.0 48.2 72.2

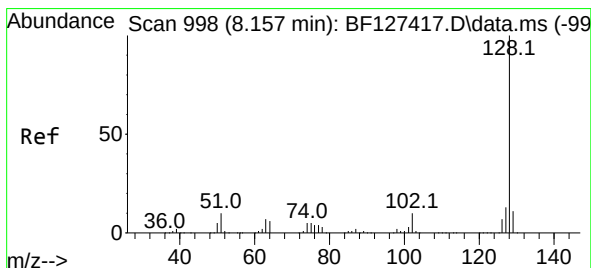
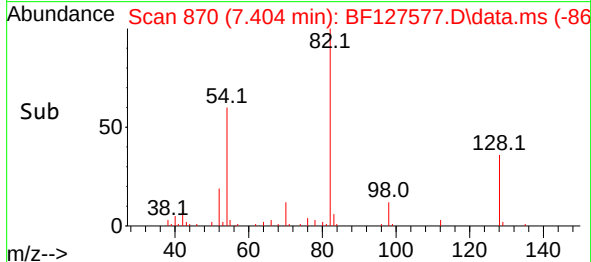
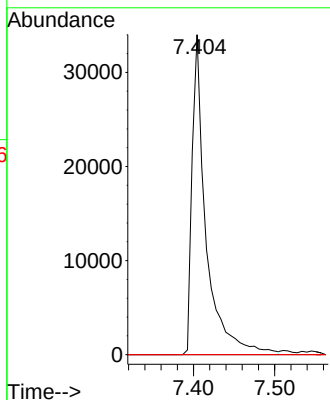
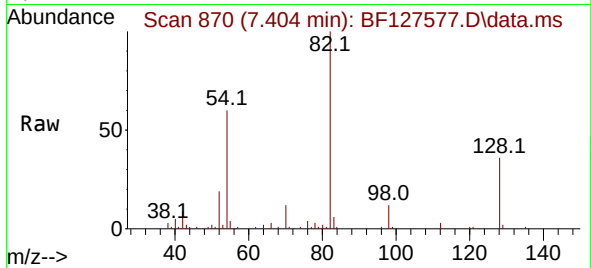




#25
Isophorone
Concen: 3.533 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

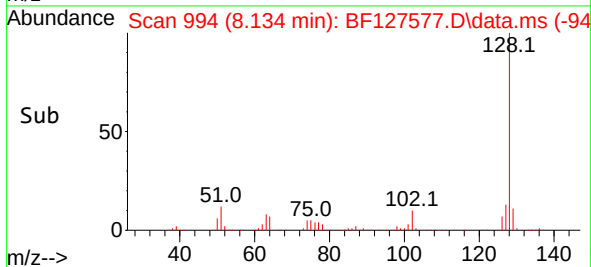
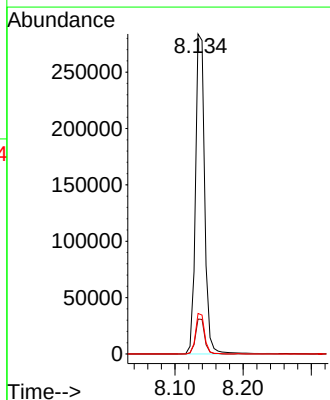
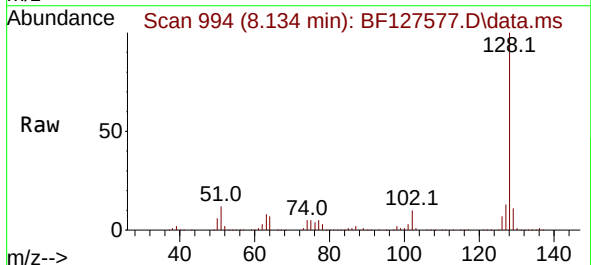
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ClientSampleId :
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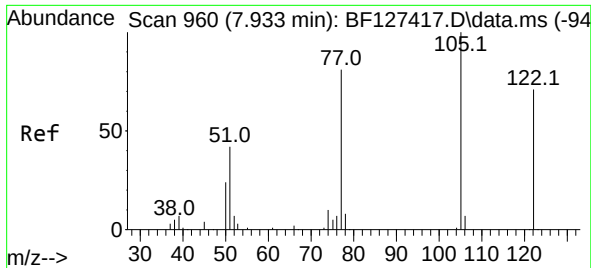
Tgt Ion: 82 Resp: 40776
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 11.6 17.4#



#31
Naphthalene
Concen: 16.178 ng
RT: 8.134 min Scan# 994
Delta R.T. -0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Tgt Ion: 128 Resp: 266048
Ion Ratio Lower Upper
128 100
129 10.9 8.4 12.6
127 12.7 10.2 15.2

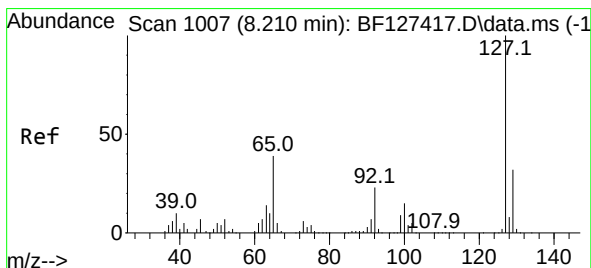
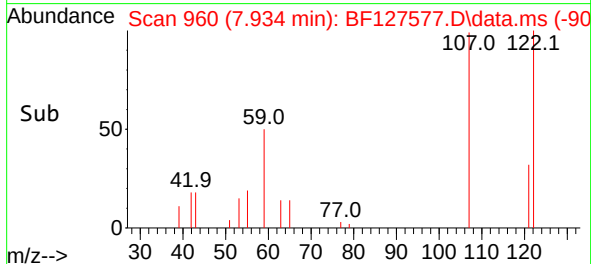
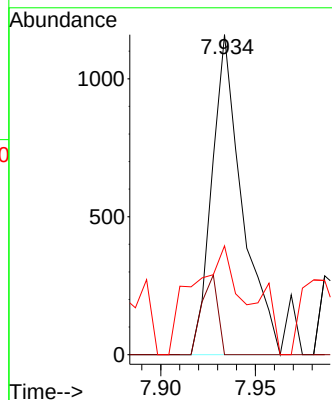
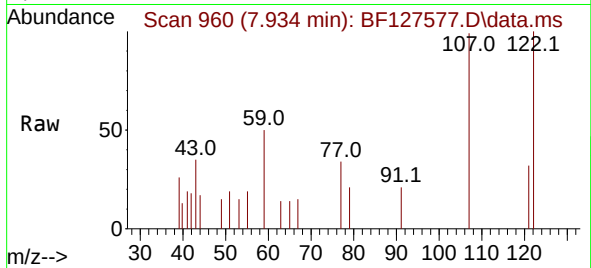




#32
Benzoic acid
Concen: 6.491 ng
RT: 7.934 min Scan# 90
Delta R.T. 0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

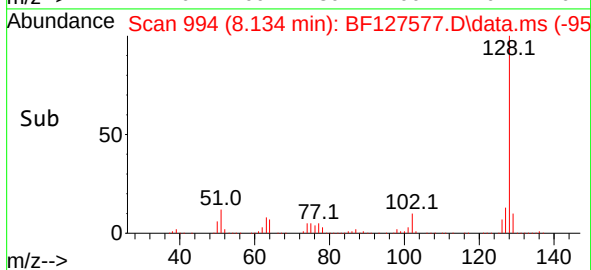
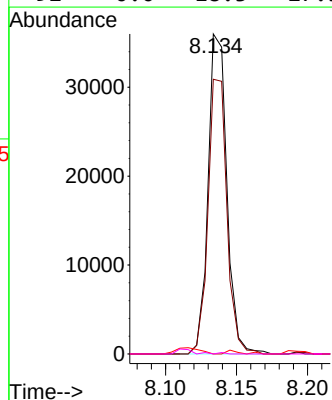
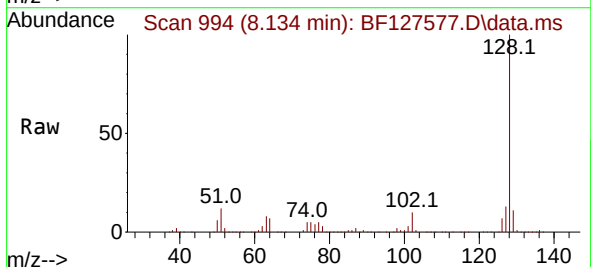
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BNA_F
ClientSampleId :
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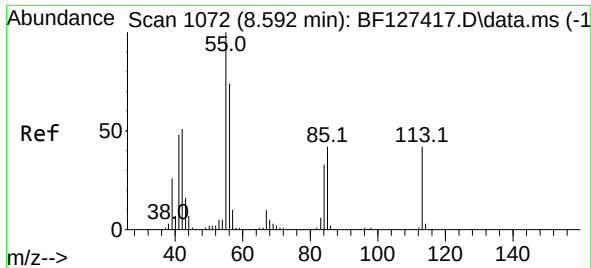
Tgt Ion:122 Resp: 1286
Ion Ratio Lower Upper
122 100
105 0.0 117.1 157.1#
77 34.0 93.0 133.0#



#33
4-Chloroaniline
Concen: 5.208 ng
RT: 8.134 min Scan# 994
Delta R.T. -0.064 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Tgt Ion:127 Resp: 33186
Ion Ratio Lower Upper
127 100
129 85.9 25.9 38.9#
65 0.0 31.4 47.0#
92 0.0 18.3 27.5#

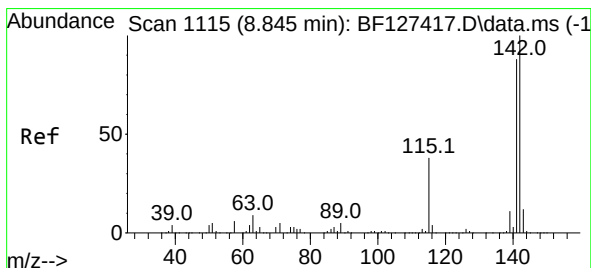
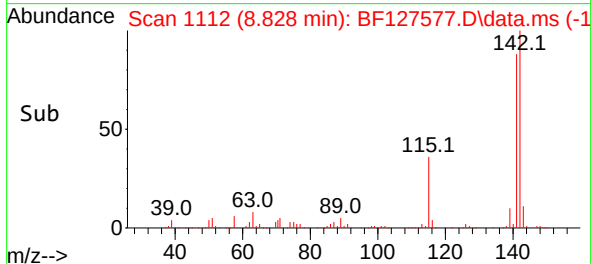
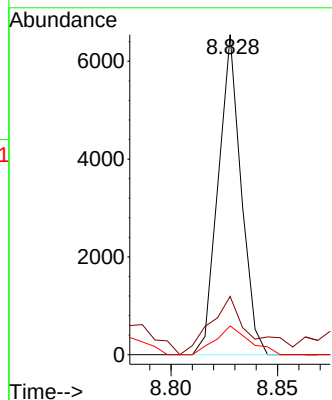
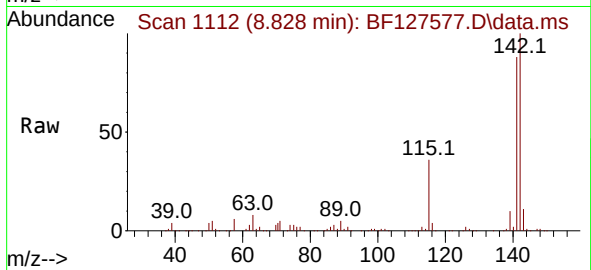




#35
Caprolactam
Concen: 3.205 ng
RT: 8.828 min Scan# 1112
Delta R.T. 0.241 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

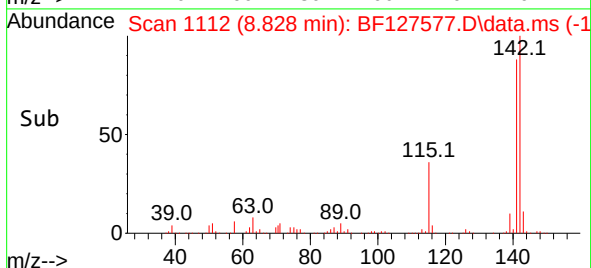
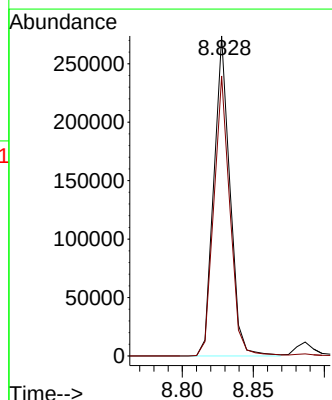
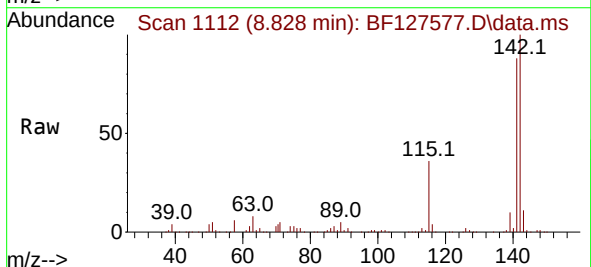
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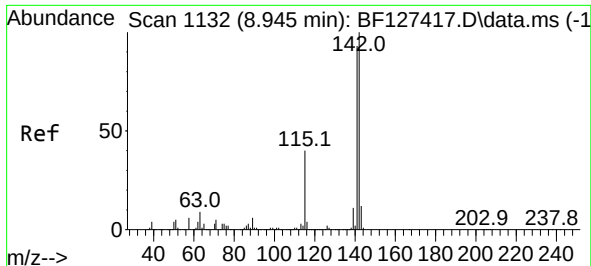
Tgt Ion:113 Resp: 4890
Ion Ratio Lower Upper
113 100
55 18.2 218.7 258.7#
56 9.0 156.2 196.2#



#37
2-Methylnaphthalene
Concen: 20.444 ng
RT: 8.828 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Tgt Ion:142 Resp: 216179
Ion Ratio Lower Upper
142 100
141 87.5 70.6 106.0

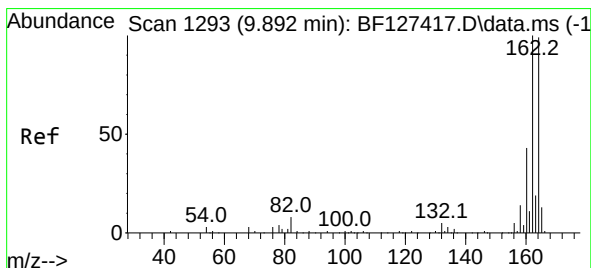
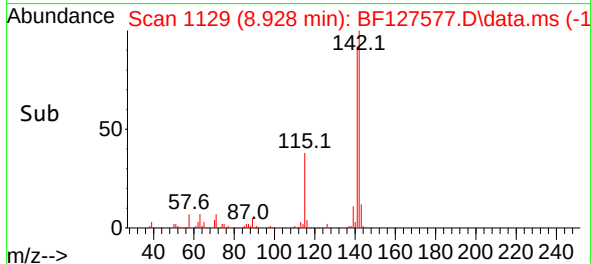
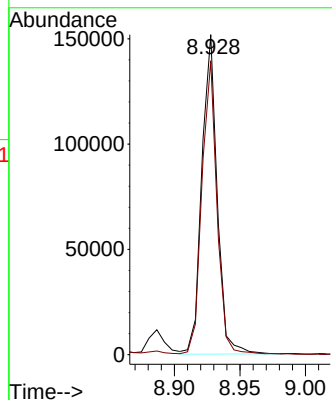
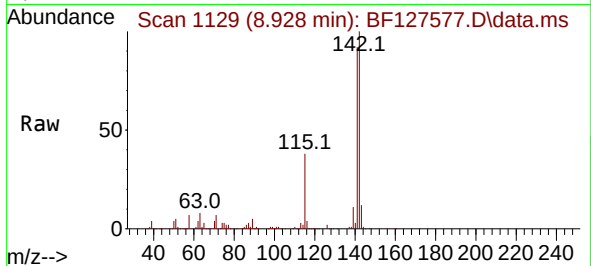




#38
1-Methylnaphthalene
Concen: 11.880 ng
RT: 8.928 min Scan# 1129
Delta R.T. 0.000 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

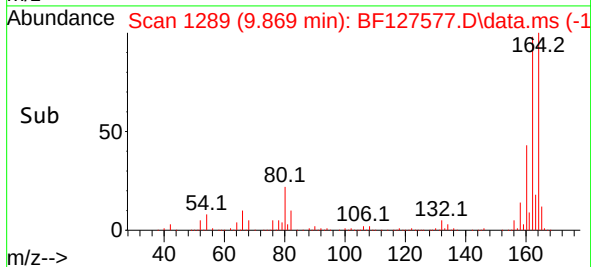
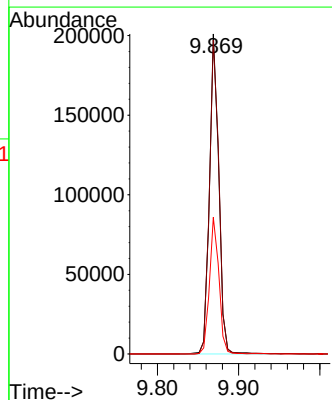
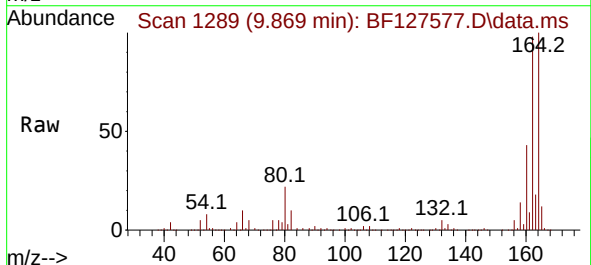
Instrument :
BNA_F
ClientSampleId :
RO-124030DL

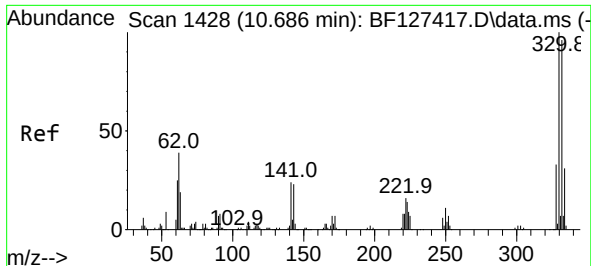
Tgt Ion:142 Resp: 124213
Ion Ratio Lower Upper
142 100
141 91.8 74.2 111.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Tgt Ion:164 Resp: 159437
Ion Ratio Lower Upper
164 100
162 98.1 81.2 121.8
160 42.7 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 5.307 ng

RT: 10.669 min Scan# 1428

Delta R.T. 0.000 min

Lab File: BF127577.D

Acq: 29 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

RO-124030DL

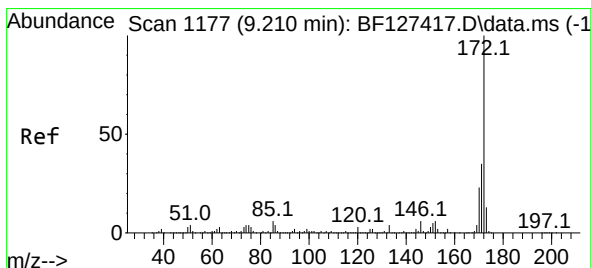
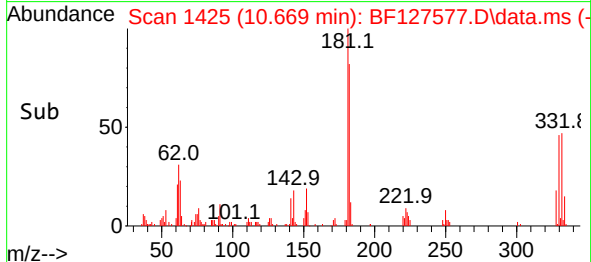
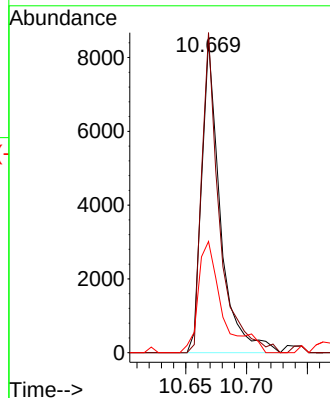
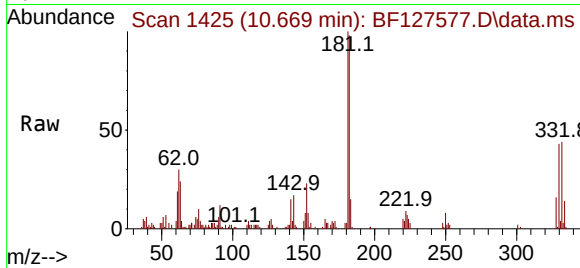
Tgt Ion:330 Resp: 9014

Ion Ratio Lower Upper

330 100

332 97.2 79.1 118.7

141 45.3 26.2 39.4#



#45

2-Fluorobiphenyl

Concen: 5.088 ng

RT: 9.187 min Scan# 1173

Delta R.T. -0.006 min

Lab File: BF127577.D

Acq: 29 Mar 2022 20:46

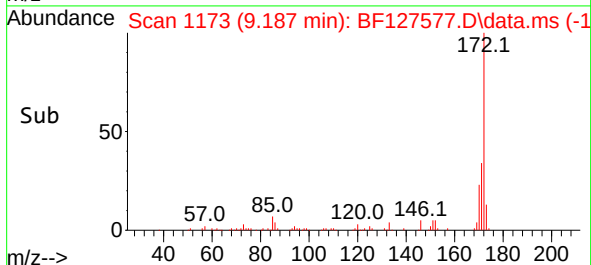
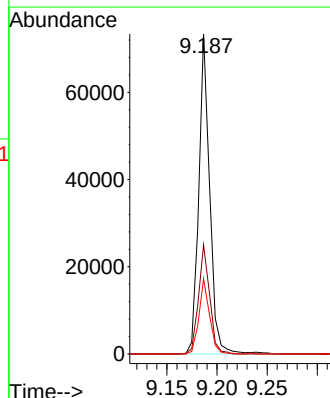
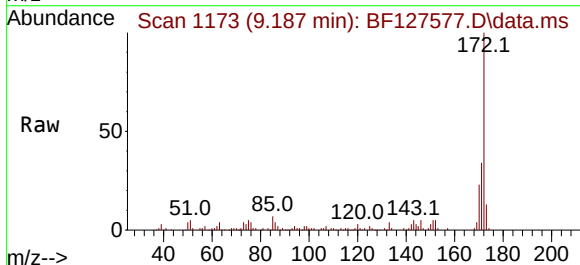
Tgt Ion:172 Resp: 55554

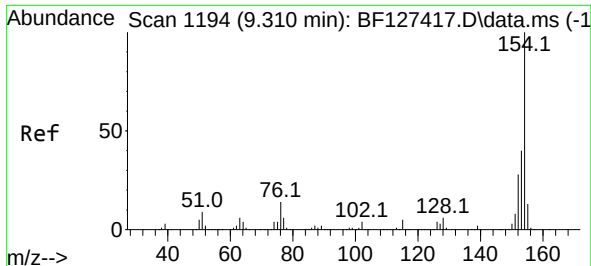
Ion Ratio Lower Upper

172 100

171 34.1 28.4 42.6

170 23.5 18.6 27.8





#46

1,1'-Biphenyl

Concen: 4.731 ng

RT: 9.292 min Scan# 1194

Delta R.T. -0.006 min

Lab File: BF127577.D

Acq: 29 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

RO-124030DL

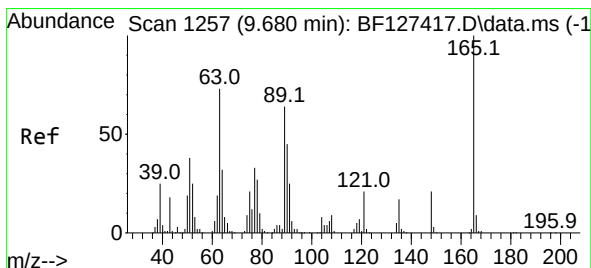
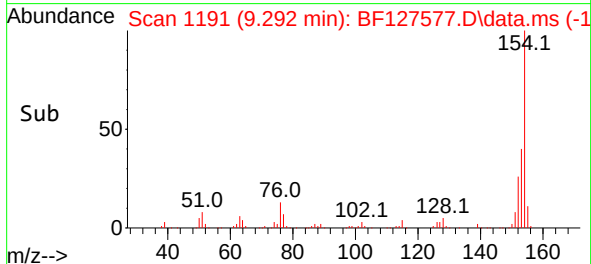
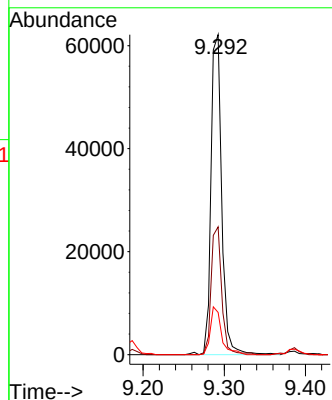
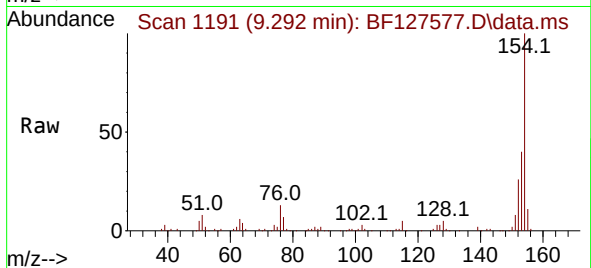
Tgt Ion:154 Resp: 56969

Ion Ratio Lower Upper

154 100

153 39.9 20.3 60.3

76 13.2 0.0 33.9



#51

2,6-Dinitrotoluene

Concen: 10.575 ng

RT: 9.869 min Scan# 1289

Delta R.T. 0.200 min

Lab File: BF127577.D

Acq: 29 Mar 2022 20:46

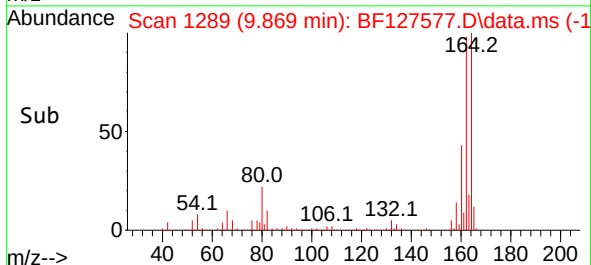
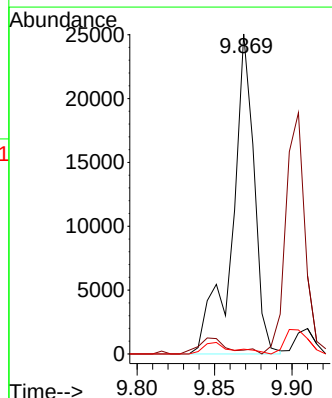
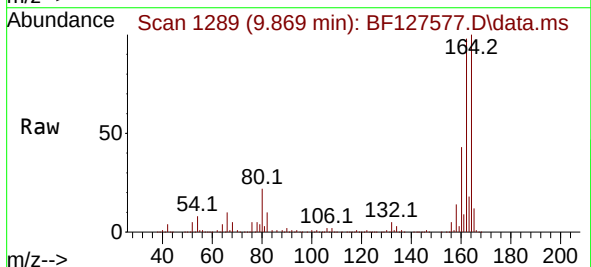
Tgt Ion:165 Resp: 24622

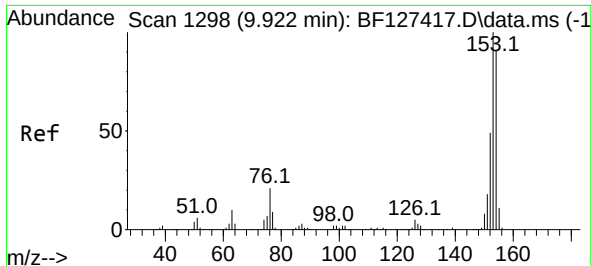
Ion Ratio Lower Upper

165 100

63 1.2 58.3 87.5#

89 1.5 51.5 77.3#

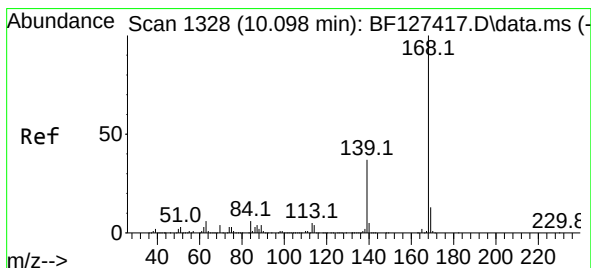
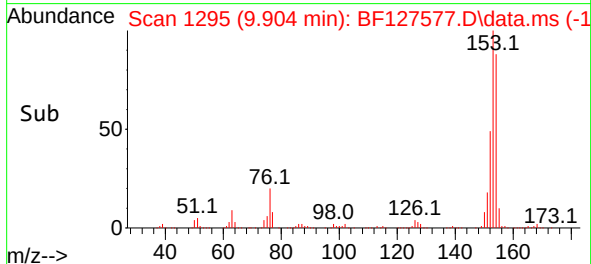
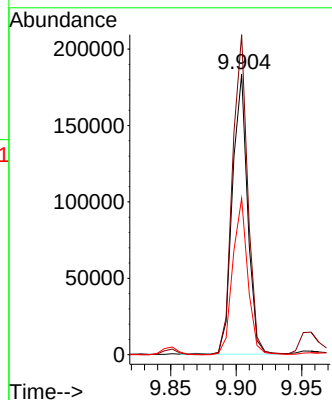
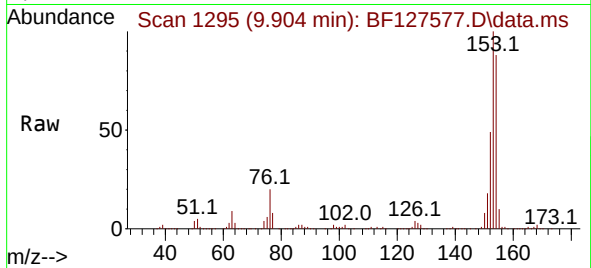




#52
Acenaphthene
Concen: 17.673 ng
RT: 9.904 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

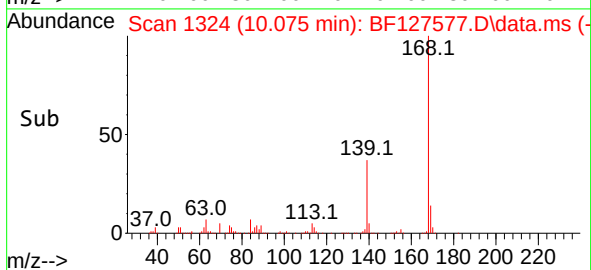
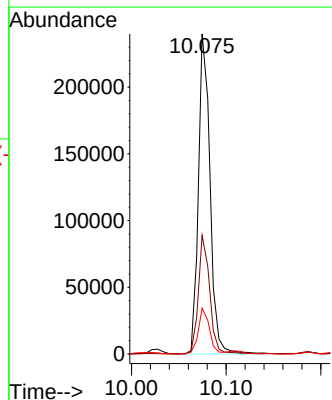
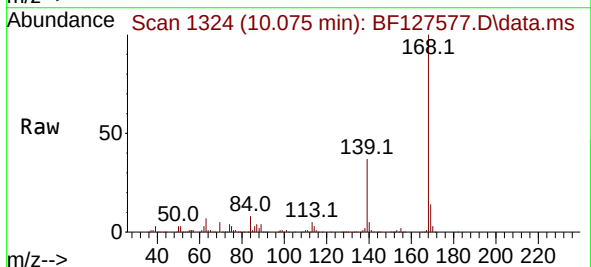
Instrument :
BNA_F
ClientSampleId :
RO-124030DL

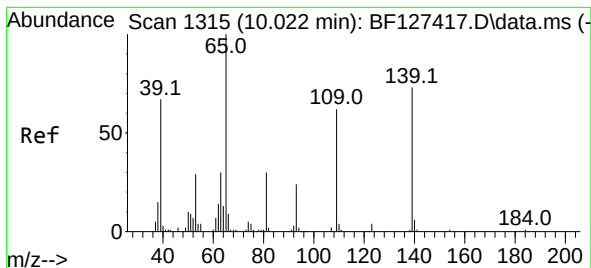
Tgt Ion:154 Resp: 147817
Ion Ratio Lower Upper
154 100
153 114.0 87.6 131.4
152 55.7 42.9 64.3



#55
Dibenzofuran
Concen: 14.799 ng
RT: 10.075 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Tgt Ion:168 Resp: 205433
Ion Ratio Lower Upper
168 100
139 37.1 30.3 45.5
169 14.3 10.8 16.2

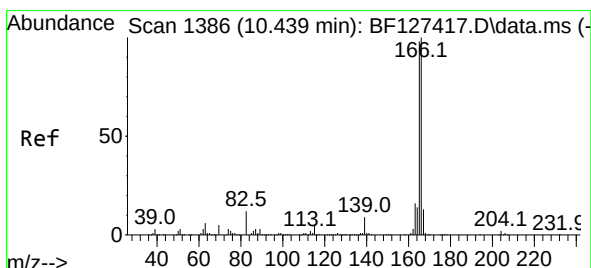
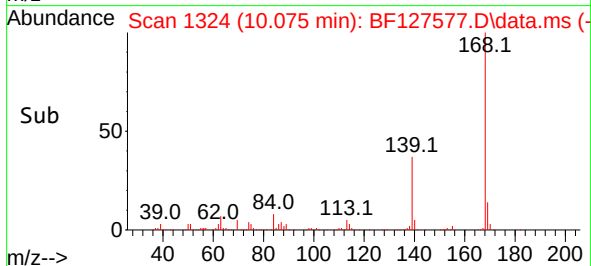
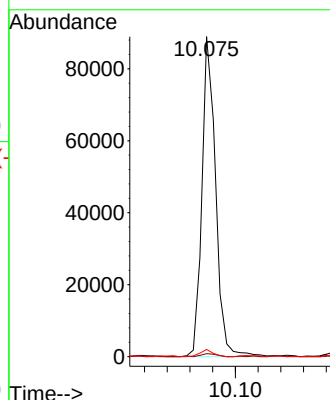
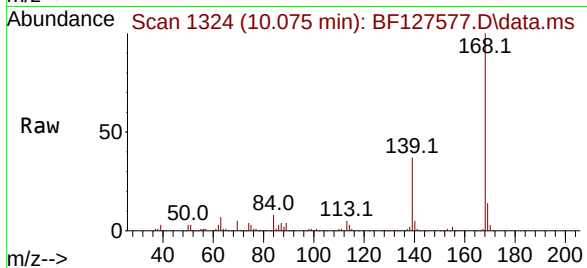




#56
4-Nitrophenol
Concen: 57.174 ng
RT: 10.075 min Scan# 11
Delta R.T. 0.059 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

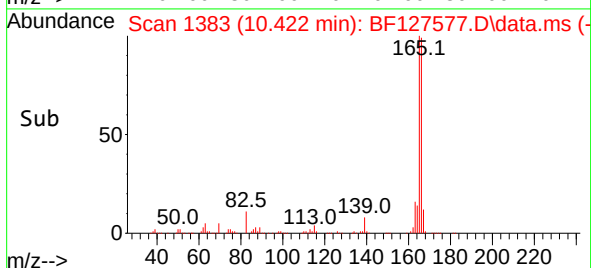
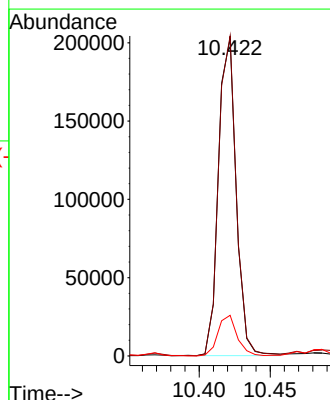
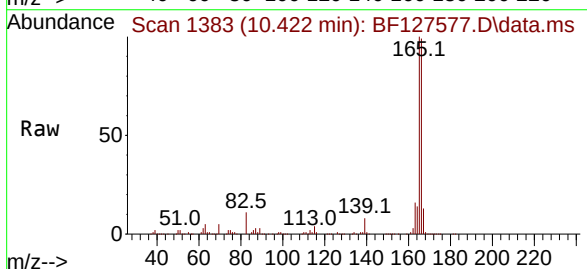
Instrument :
BNA_F
ClientSampleId :
RO-124030DL

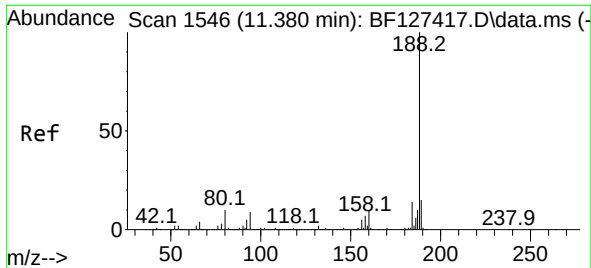
Tgt Ion:139 Resp: 74321
Ion Ratio Lower Upper
139 100
109 1.0 64.3 104.3#
65 2.3 117.5 157.5#



#58
Fluorene
Concen: 16.620 ng
RT: 10.422 min Scan# 1383
Delta R.T. -0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Tgt Ion:166 Resp: 175890
Ion Ratio Lower Upper
166 100
165 100.7 78.1 117.1
167 12.8 10.5 15.7

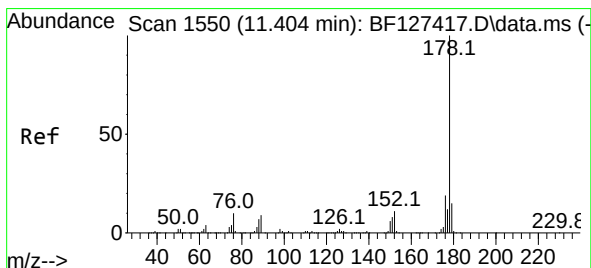
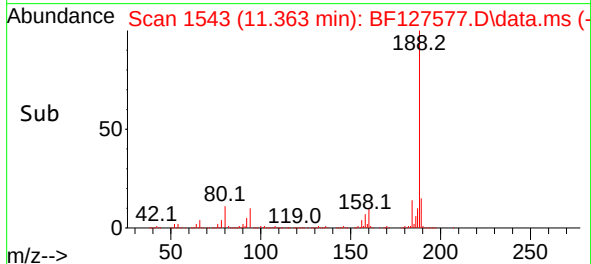
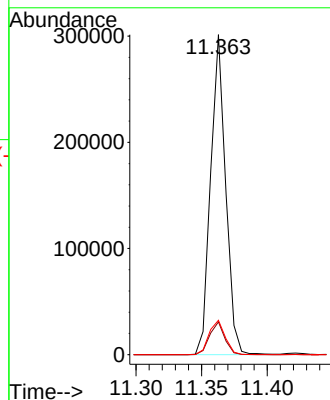
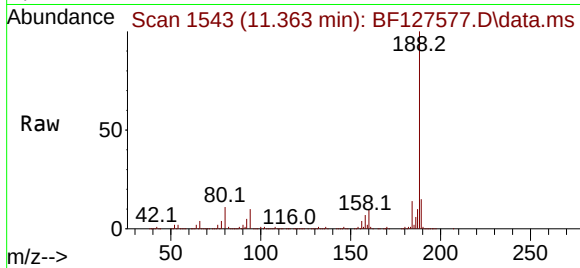




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

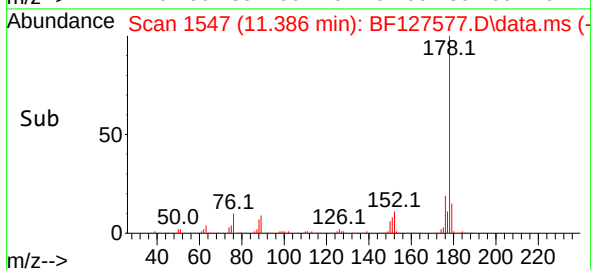
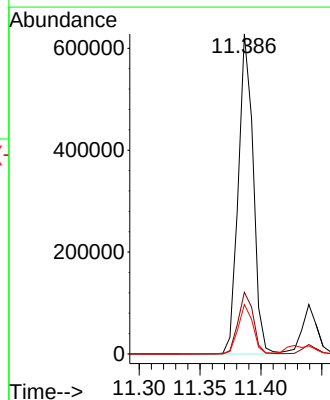
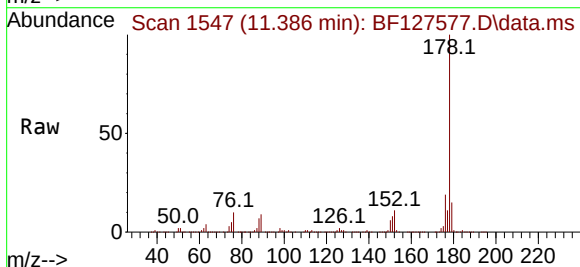
Instrument :
BNA_F
ClientSampleId :
RO-124030DL

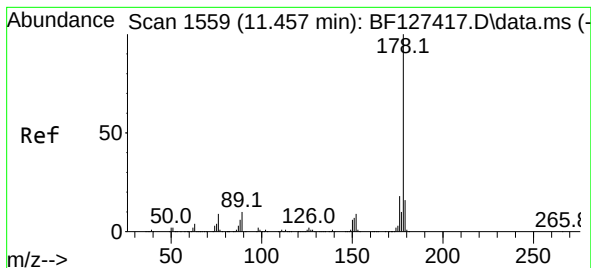
Tgt Ion:188 Resp: 240796
Ion Ratio Lower Upper
188 100
94 10.3 7.4 11.0
80 10.7 8.0 12.0



#71
Phenanthrene
Concen: 42.572 ng
RT: 11.386 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Tgt Ion:178 Resp: 534442
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.5 12.4 18.6





#72

Anthracene

Concen: 6.299 ng

RT: 11.439 min Scan# 1556

Delta R.T. -0.006 min

Lab File: BF127577.D

Acq: 29 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

RO-124030DL

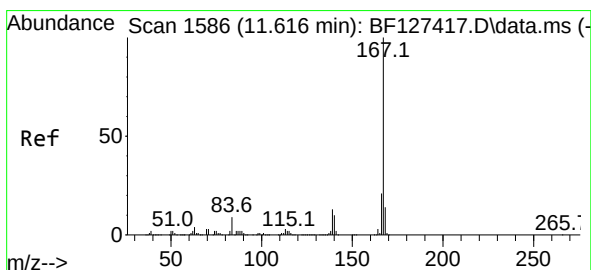
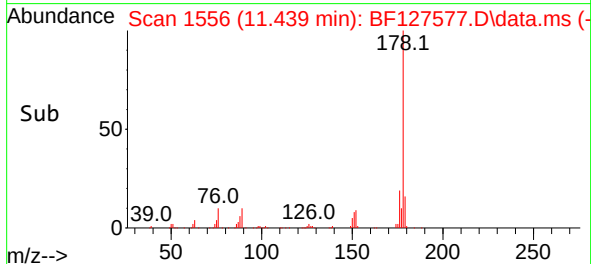
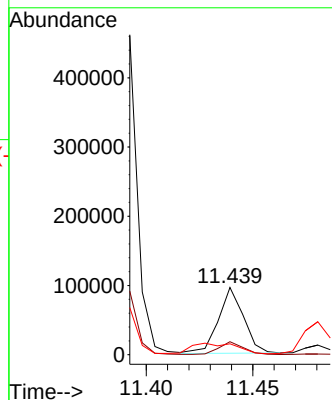
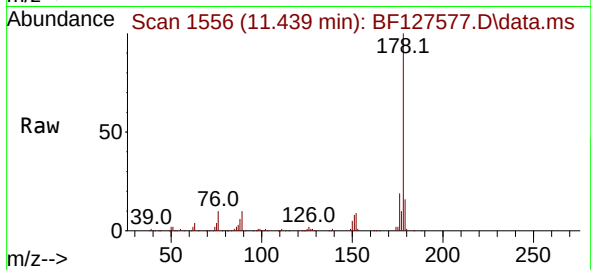
Tgt Ion:178 Resp: 78475

Ion Ratio Lower Upper

178 100

176 19.2 14.6 22.0

179 16.3 12.4 18.6



#73

Carbazole

Concen: 7.406 ng

RT: 11.604 min Scan# 1584

Delta R.T. 0.000 min

Lab File: BF127577.D

Acq: 29 Mar 2022 20:46

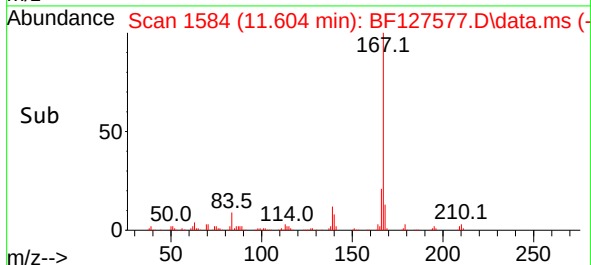
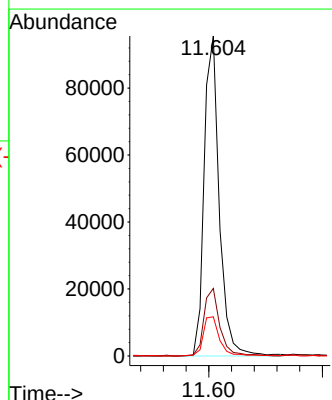
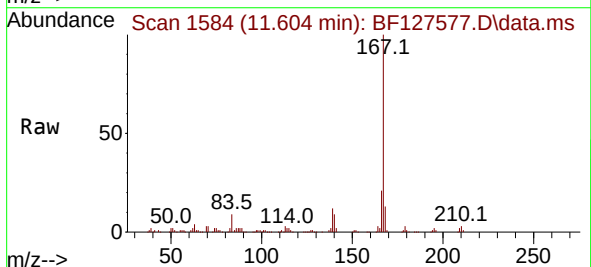
Tgt Ion:167 Resp: 88237

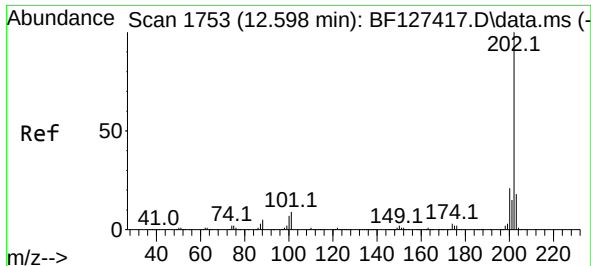
Ion Ratio Lower Upper

167 100

166 21.1 17.0 25.4

139 12.2 10.5 15.7

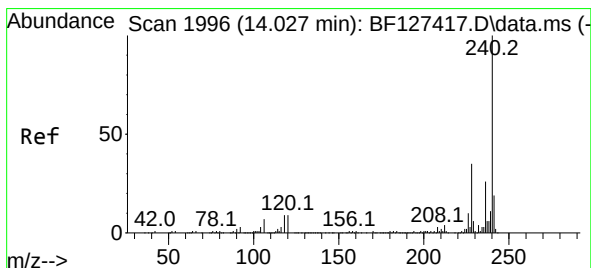
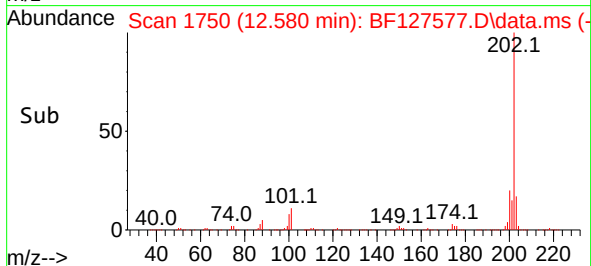
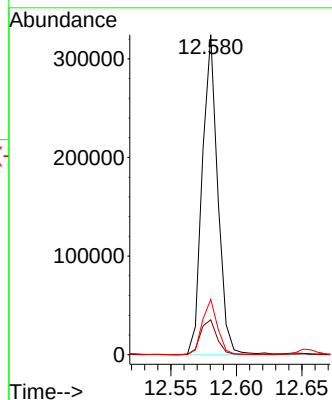
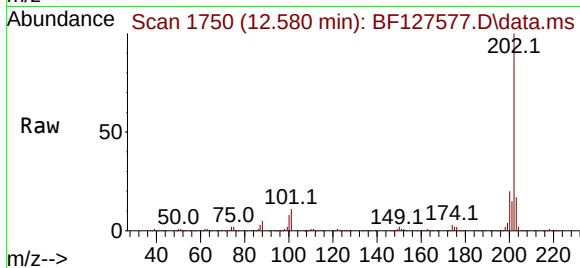




#75
Fluoranthene
Concen: 19.423 ng
RT: 12.580 min Scan# 1753
Delta R.T. 0.000 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

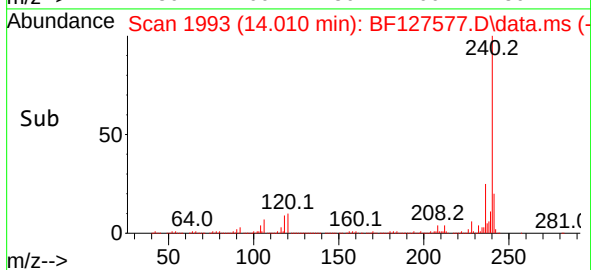
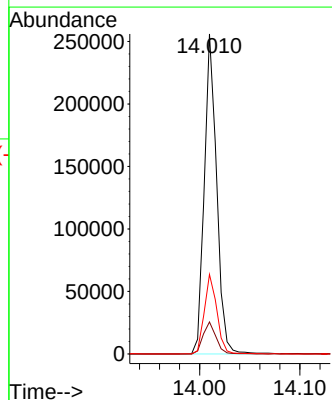
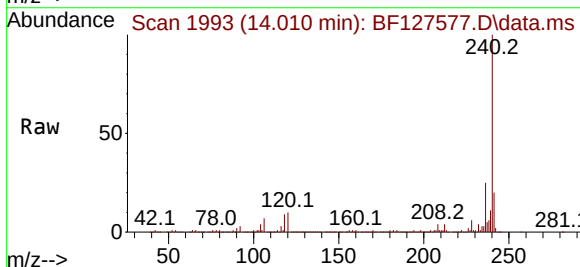
Instrument :
BNA_F
ClientSampleId :
RO-124030DL

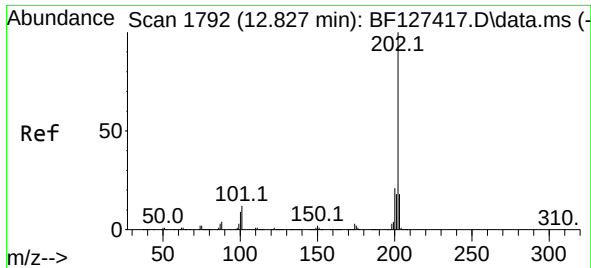
Tgt Ion:202 Resp: 268194
Ion Ratio Lower Upper
202 100
101 10.9 0.0 29.0
203 17.3 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Tgt Ion:240 Resp: 220574
Ion Ratio Lower Upper
240 100
120 10.0 7.1 10.7
236 24.9 20.7 31.1

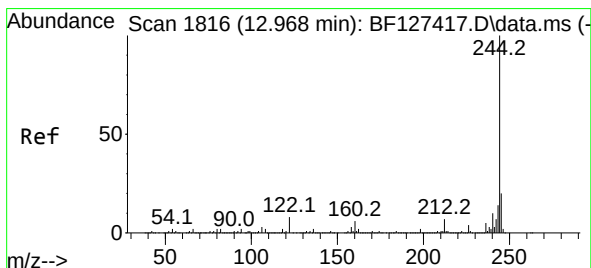
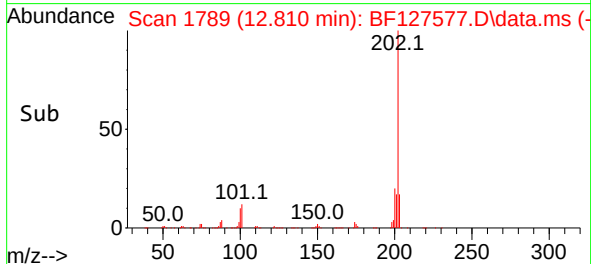
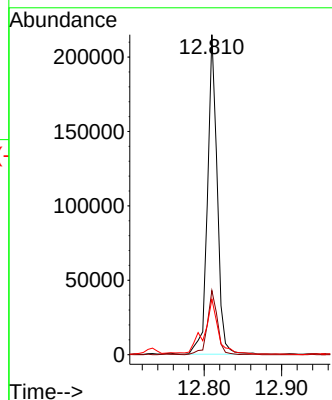
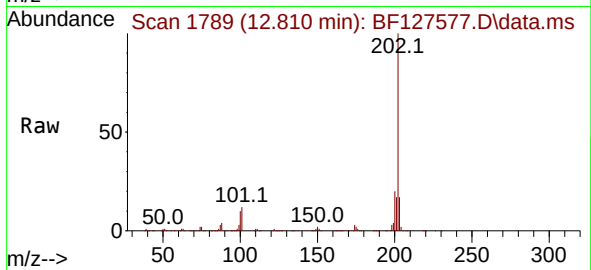




#78
 Pyrene
 Concen: 9.866 ng
 RT: 12.810 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127577.D
 Acq: 29 Mar 2022 20:46

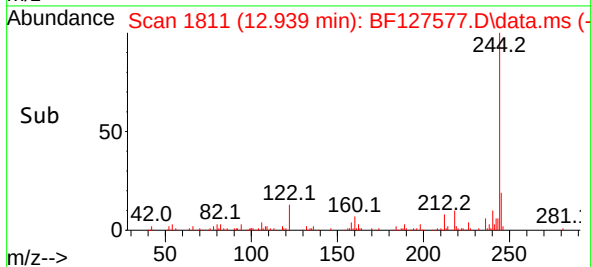
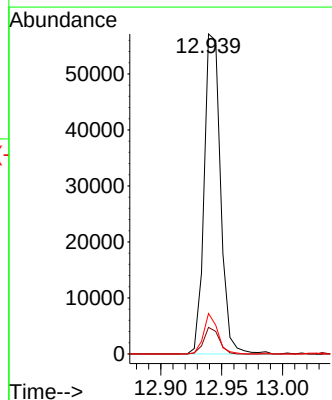
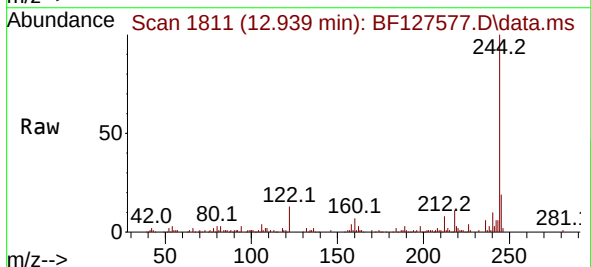
Instrument :
 BNA_F
 ClientSampleId :
 RO-124030DL

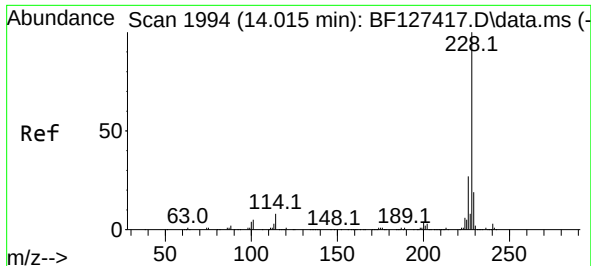
Tgt Ion:202 Resp: 186774
 Ion Ratio Lower Upper
 202 100
 200 20.1 17.1 25.7
 203 17.4 14.3 21.5



#79
 Terphenyl-d14
 Concen: 3.979 ng
 RT: 12.939 min Scan# 1811
 Delta R.T. -0.012 min
 Lab File: BF127577.D
 Acq: 29 Mar 2022 20:46

Tgt Ion:244 Resp: 53618
 Ion Ratio Lower Upper
 244 100
 212 8.3 5.7 8.5
 122 12.7 6.2 9.2#

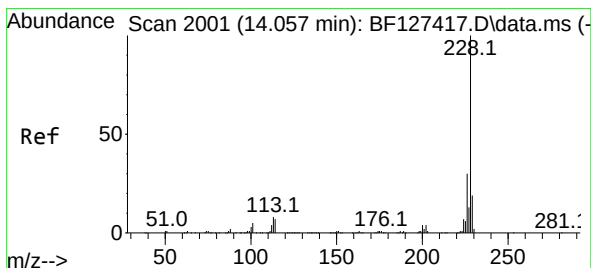
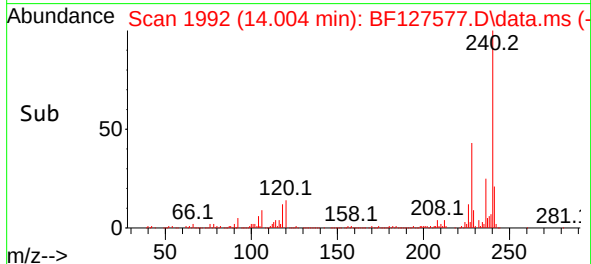
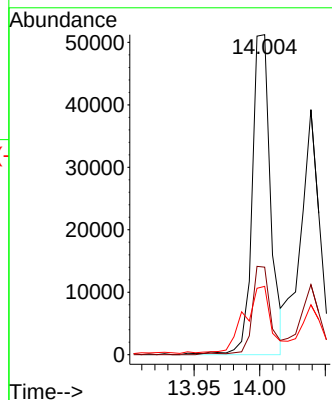
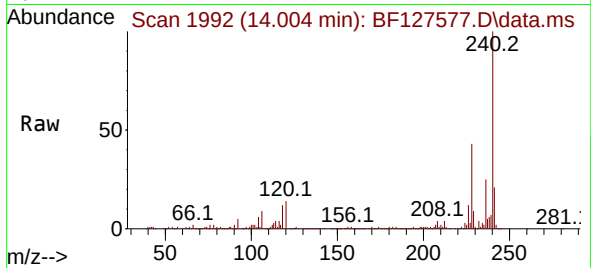




#81
Benzo(a)anthracene
Concen: 3.396 ng
RT: 14.004 min Scan# 1994
Delta R.T. 0.000 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

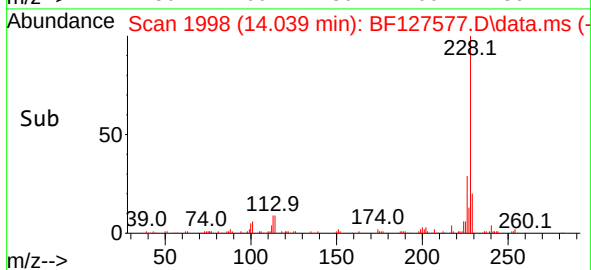
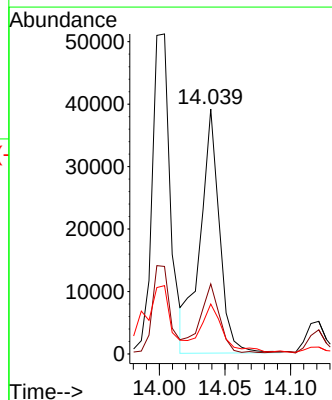
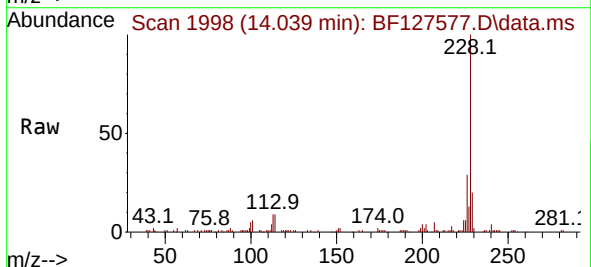
Instrument :
BNA_F
ClientSampleId :
RO-124030DL

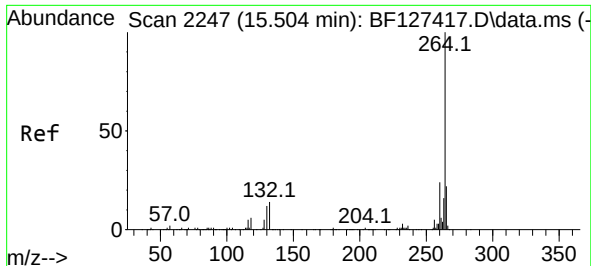
Tgt Ion:228 Resp: 50095
Ion Ratio Lower Upper
228 100
226 27.4 21.6 32.4
229 21.4 15.4 23.2



#83
Chrysene
Concen: 2.882 ng
RT: 14.039 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Tgt Ion:228 Resp: 40256
Ion Ratio Lower Upper
228 100
226 28.6 24.2 36.4
229 20.4 15.4 23.2

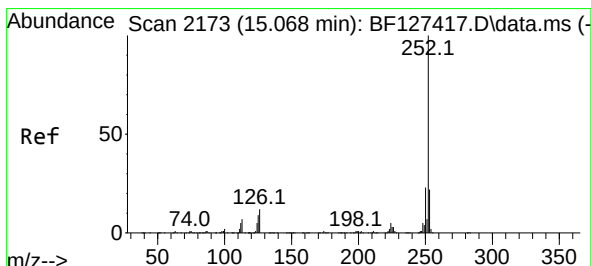
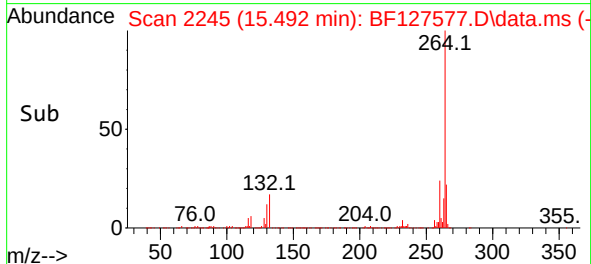
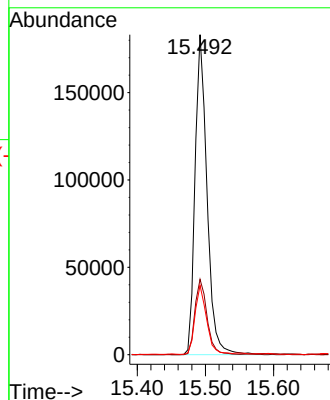
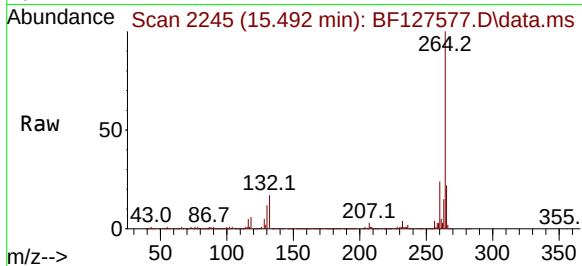




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

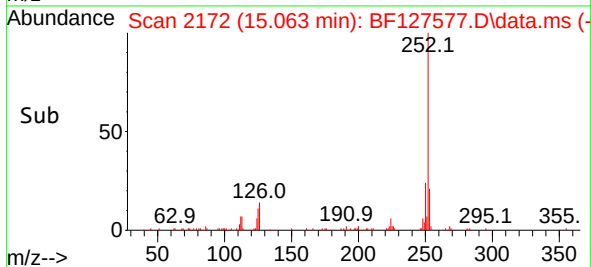
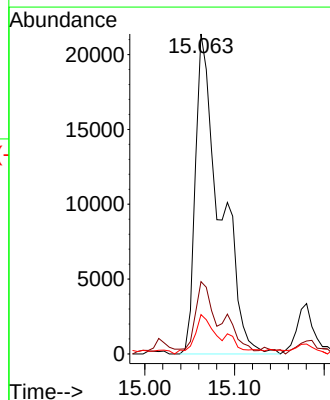
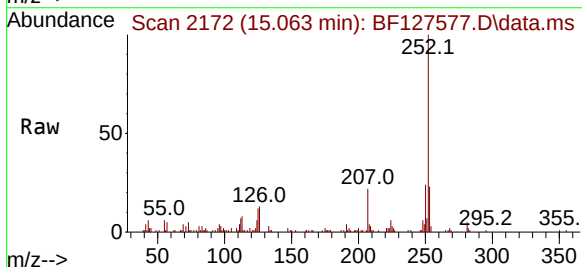
Instrument :
BNA_F
ClientSampleId :
RO-124030DL

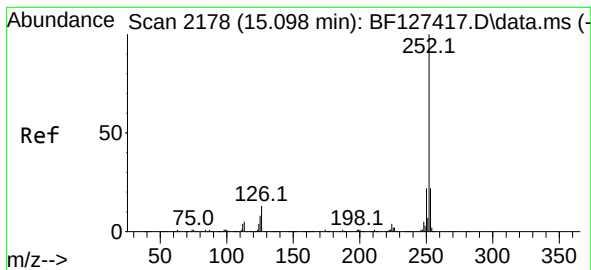
Tgt Ion:264 Resp: 222229
Ion Ratio Lower Upper
264 100
260 23.5 19.1 28.7
265 21.7 17.4 26.2



#88
Benzo(b)fluoranthene
Concen: 2.906 ng
RT: 15.063 min Scan# 2172
Delta R.T. 0.006 min
Lab File: BF127577.D
Acq: 29 Mar 2022 20:46

Tgt Ion:252 Resp: 40724
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 12.3 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 2.804 ng

RT: 15.063 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF127577.D

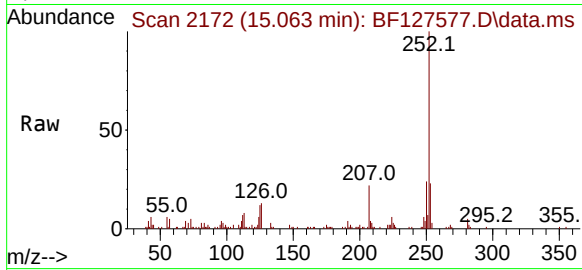
Acq: 29 Mar 2022 20:46

Instrument :

BNA_F

ClientSampleId :

RO-124030DL



Tgt Ion:252 Resp: 40724

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

125 12.3 6.9 10.3#

