

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
 Data File : BF127968.D
 Acq On : 28 Apr 2022 02:07
 Operator : CG\JU
 Sample : N2564-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PSC-164718

Quant Time: Apr 28 05:18:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 28 05:13:03 2022
 Response via : Initial Calibration

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

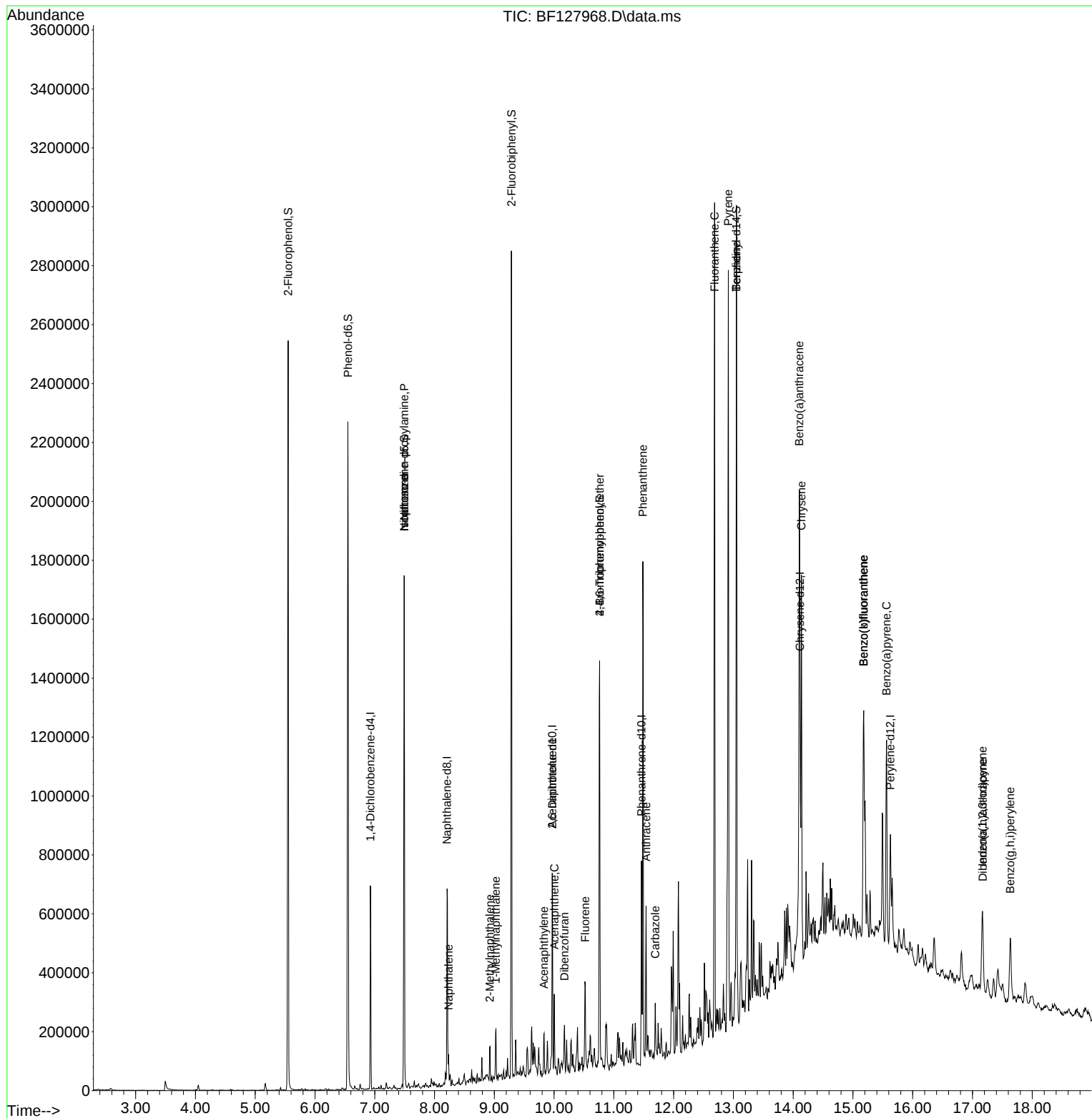
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	88538	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	292617	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	132673	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	239873	20.000	ng	0.00
76) Chrysene-d12	14.115	240	220051	20.000	ng	0.00
86) Perylene-d12	15.627	264	153226	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	637197	114.631	ng	0.00
7) Phenol-d6	6.551	99	791631	109.754	ng	-0.01
23) Nitrobenzene-d5	7.492	82	552817	88.839	ng	-0.01
42) 2,4,6-Tribromophenol	10.763	330	156764	117.375	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	758972	96.778	ng	0.00
79) Terphenyl-d14	13.051	244	920452	76.487	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.492	70	74138	16.791	ng	# 80
25) Isophorone	7.492	82	551412	52.650	ng	# 68
31) Naphthalene	8.233	128	31587	2.119	ng	100
37) 2-Methylnaphthalene	8.928	142	32814	3.332	ng	99
38) 1-Methylnaphthalene	9.028	142	42614	4.451	ng	96
49) Acenaphthylene	9.833	152	38382	3.354	ng	99
51) 2,6-Dinitrotoluene	9.969	165	19443	10.093	ng	# 23
52) Acenaphthene	10.004	154	45928	5.969	ng	98
55) Dibenzofuran	10.175	168	40249	3.626	ng	98
58) Fluorene	10.522	166	84555	10.208	ng	99
67) 4-Bromophenyl-phenylether	10.763	248	9753	3.668	ng	# 1
71) Phenanthrene	11.486	178	616486	49.098	ng	100
72) Anthracene	11.539	178	185933	14.865	ng	99
73) Carbazole	11.692	167	51806	4.298	ng	97
75) Fluoranthene	12.686	202	1110068	84.001	ng	98
77) Benzidine	13.051	184	14252	3.423	ng	95
78) Pyrene	12.916	202	1039005	58.491	ng	99
81) Benzo(a)anthracene	14.104	228	543892	37.083	ng	97
83) Chrysene	14.139	228	457080	32.631	ng	97
87) Indeno(1,2,3-cd)pyrene	17.168	276	197101	19.272	ng	# 95
88) Benzo(b)fluoranthene	15.180	252	673607	69.993	ng	98
89) Benzo(k)fluoranthene	15.180	252	673607	69.473	ng	96
90) Benzo(a)pyrene	15.562	252	345236	43.247	ng	97
91) Dibenzo(a,h)anthracene	17.174	278	47791	5.826	ng	# 85
92) Benzo(g,h,i)perylene	17.633	276	195884	22.661	ng	99

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

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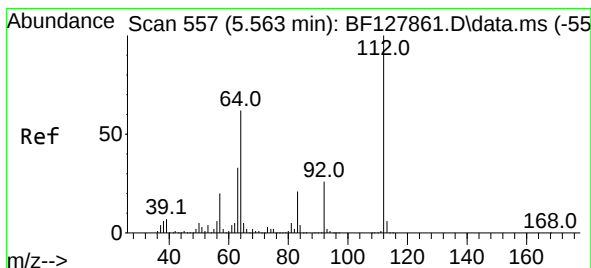
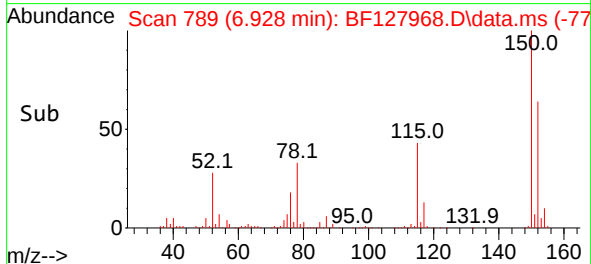
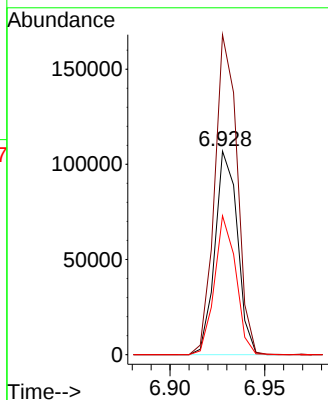
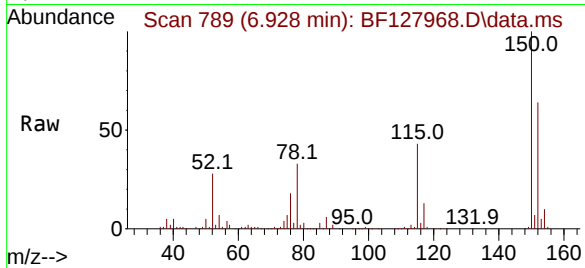




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

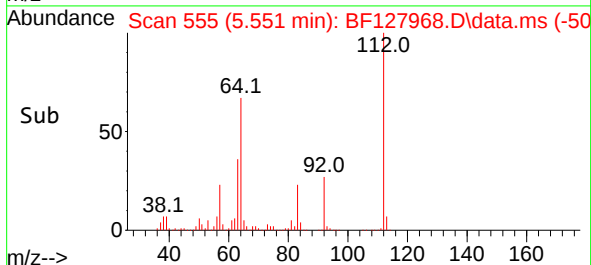
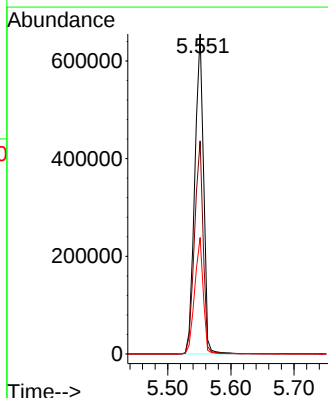
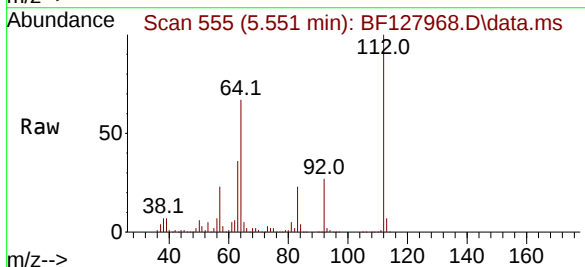
Instrument :
BNA_F
ClientSampleId :
PSC-164718

Tgt Ion:152 Resp: 88538
Ion Ratio Lower Upper
152 100
150 157.2 125.3 187.9
115 68.3 48.8 73.2



#5
2-Fluorophenol
Concen: 114.631 ng
RT: 5.551 min Scan# 555
Delta R.T. -0.000 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Tgt Ion:112 Resp: 637197
Ion Ratio Lower Upper
112 100
64 66.6 49.5 74.3
63 36.4 26.3 39.5

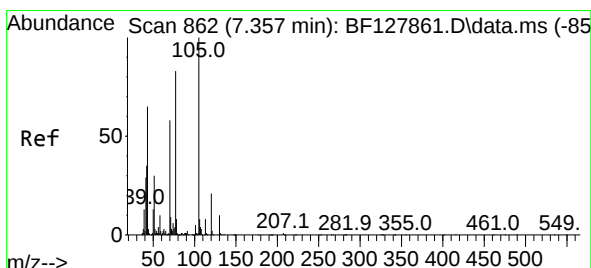
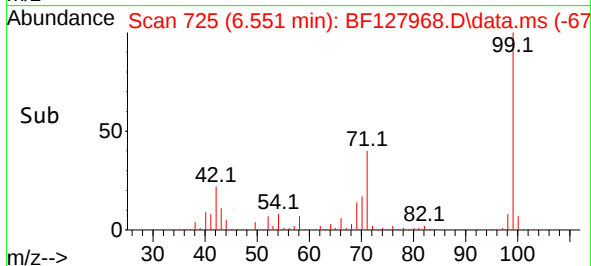
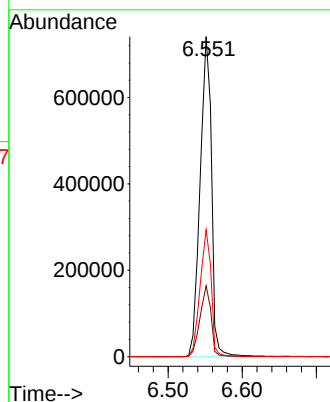
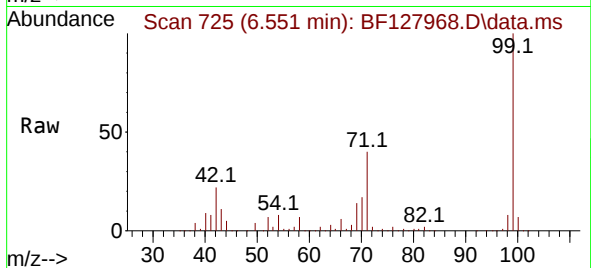




#7
Phenol-d6
Concen: 109.754 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

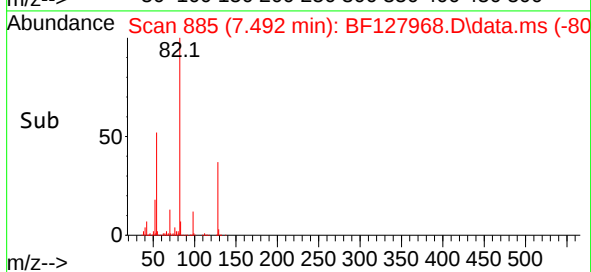
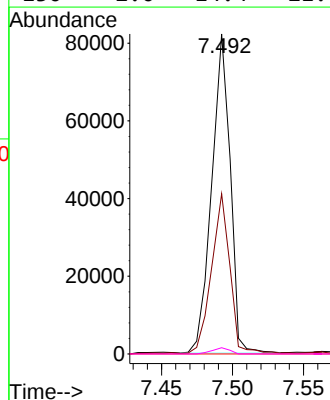
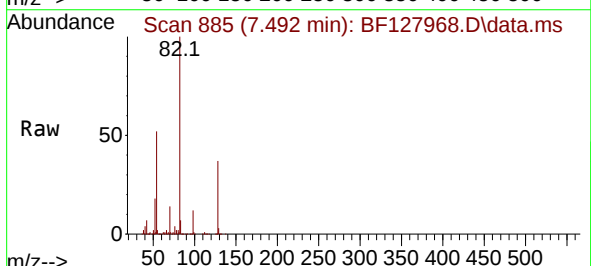
Instrument :
BNA_F
ClientSampleId :
PSC-164718

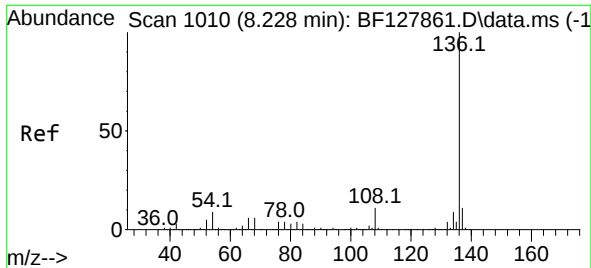
Tgt Ion: 99 Resp: 791631
Ion Ratio Lower Upper
99 100
42 22.2 16.6 24.8
71 39.6 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 16.791 ng
RT: 7.492 min Scan# 885
Delta R.T. 0.147 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Tgt Ion: 70 Resp: 74138
Ion Ratio Lower Upper
70 100
42 50.0 48.7 73.1
101 0.0 7.2 10.8#
130 2.0 14.4 21.6#



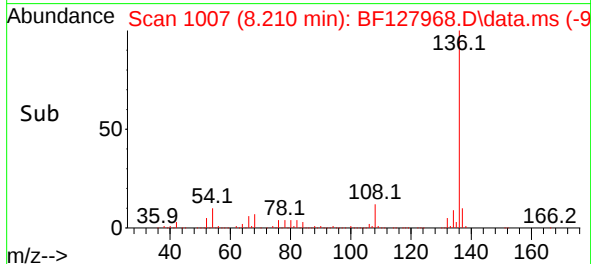
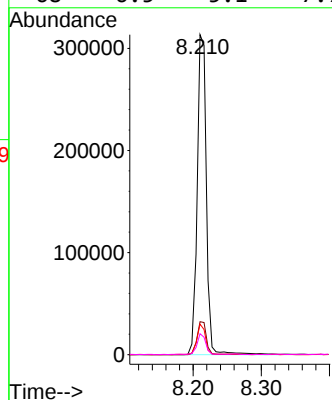
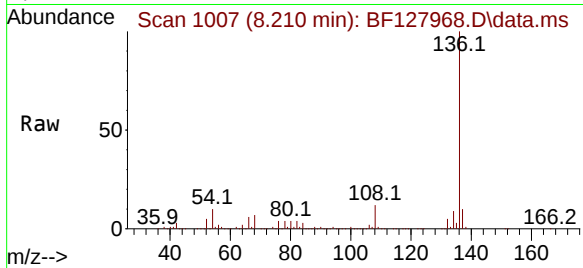


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Instrument :
BNA_F
ClientSampleId :
PSC-164718

Tgt Ion:136 Resp: 292617

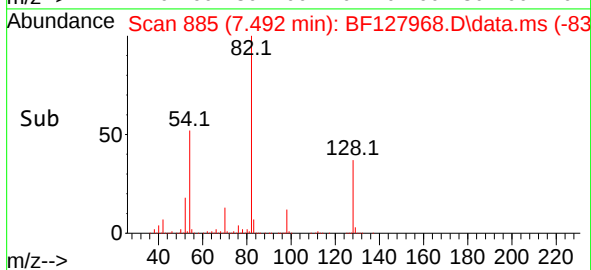
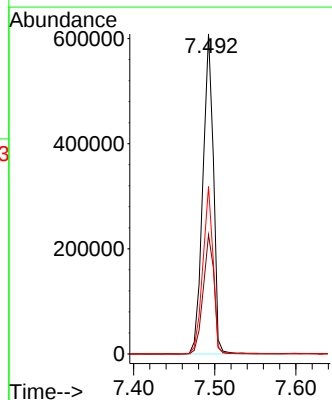
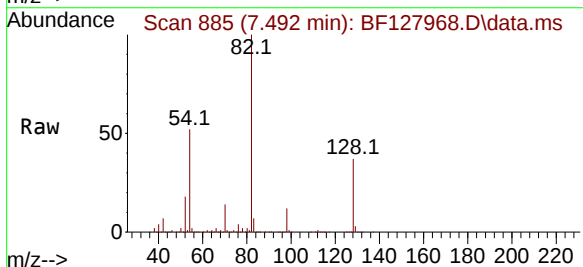
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.6	13.0
54	9.5	6.8	10.2
68	6.5	5.1	7.7



#23
Nitrobenzene-d5
Concen: 88.839 ng
RT: 7.492 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Tgt Ion: 82 Resp: 552817

Ion	Ratio	Lower	Upper
82	100		
128	37.3	30.0	45.0
54	52.3	41.3	61.9

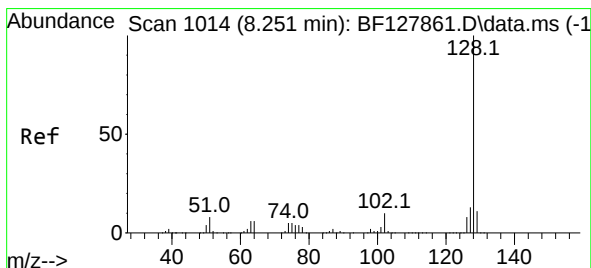
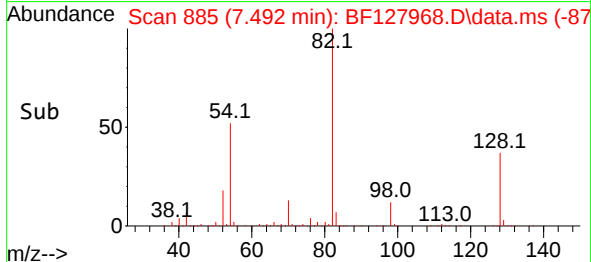
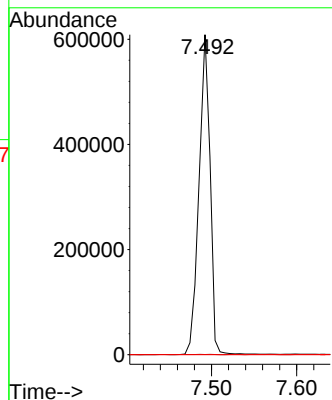
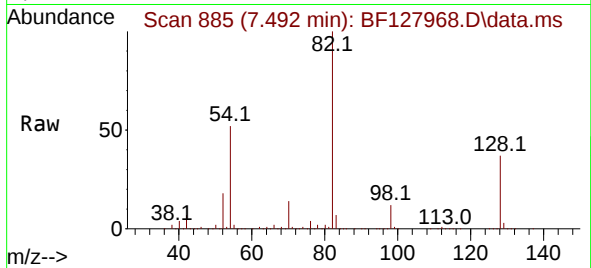




#25
Isophorone
Concen: 52.650 ng
RT: 7.492 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

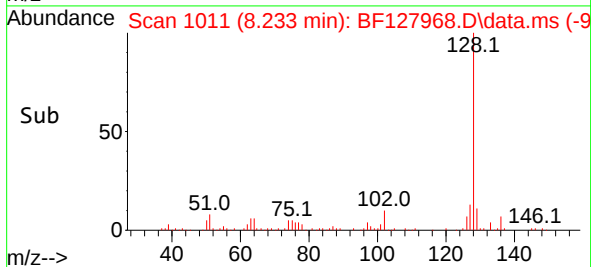
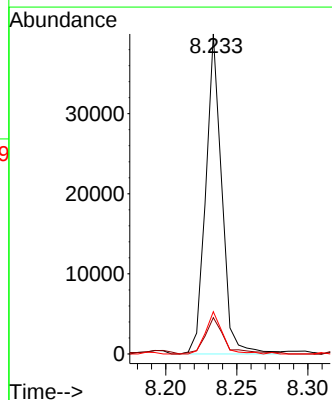
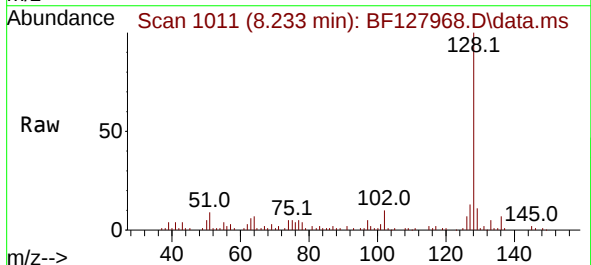
Instrument :
BNA_F
ClientSampleId :
PSC-164718

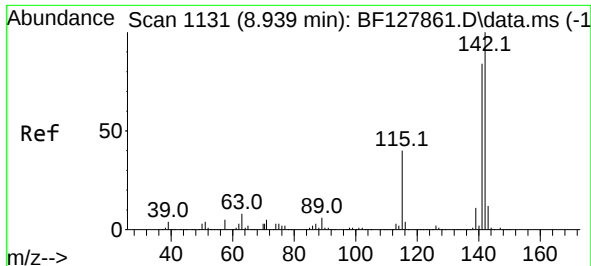
Tgt Ion: 82 Resp: 551412
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#31
Naphthalene
Concen: 2.119 ng
RT: 8.233 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Tgt Ion: 128 Resp: 31587
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.2 10.6 16.0





#37

2-Methylnaphthalene

Concen: 3.332 ng

RT: 8.928 min Scan# 1129

Delta R.T. -0.006 min

Lab File: BF127968.D

Acq: 28 Apr 2022 02:07

Instrument :

BNA_F

ClientSampleId :

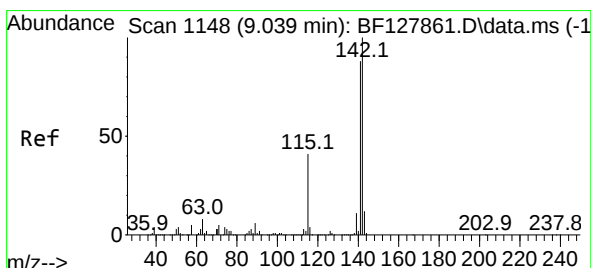
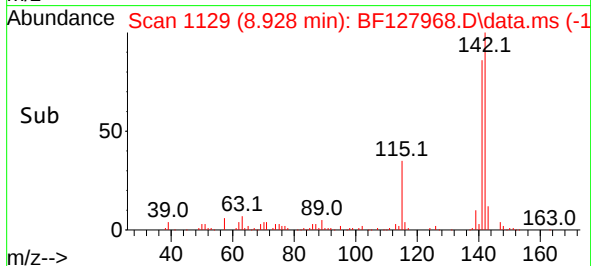
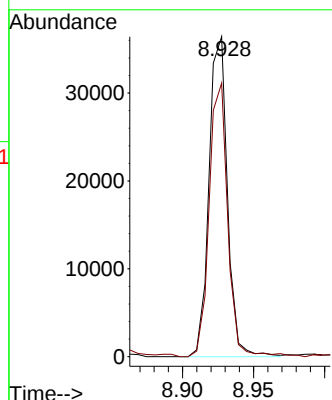
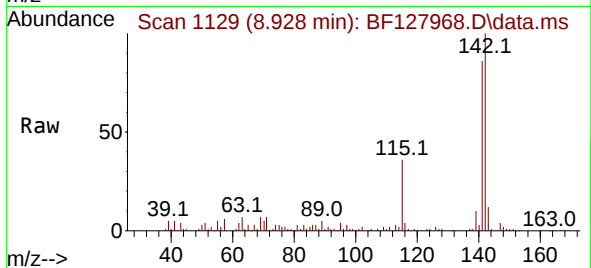
PSC-164718

Tgt Ion:142 Resp: 32814

Ion Ratio Lower Upper

142 100

141 85.5 67.4 101.2



#38

1-Methylnaphthalene

Concen: 4.451 ng

RT: 9.028 min Scan# 1146

Delta R.T. -0.006 min

Lab File: BF127968.D

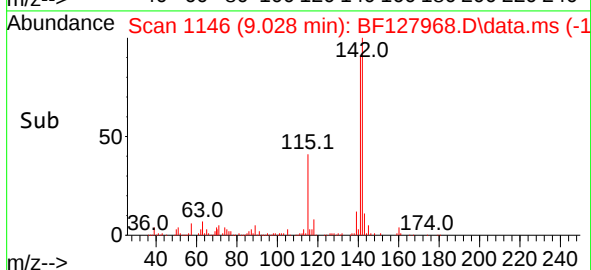
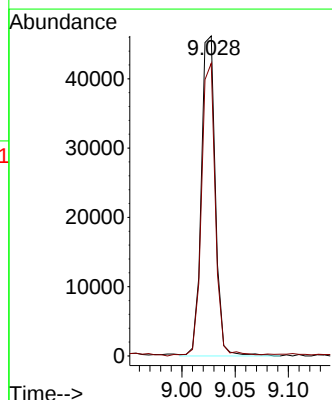
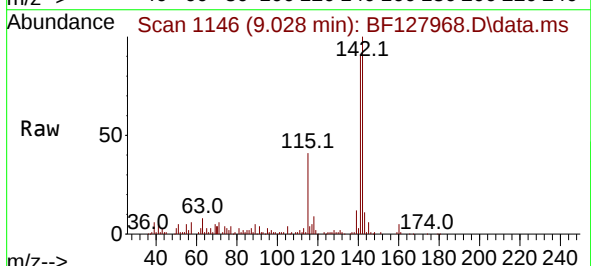
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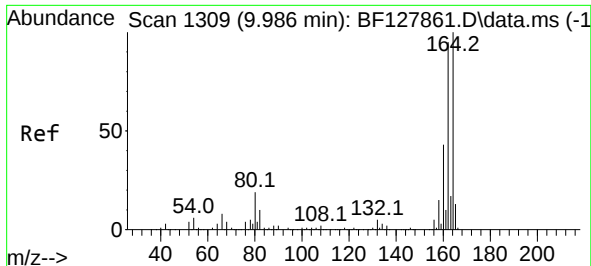
Tgt Ion:142 Resp: 42614

Ion Ratio Lower Upper

142 100

141 91.5 70.1 105.1

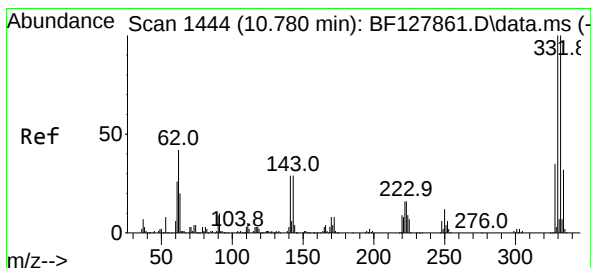
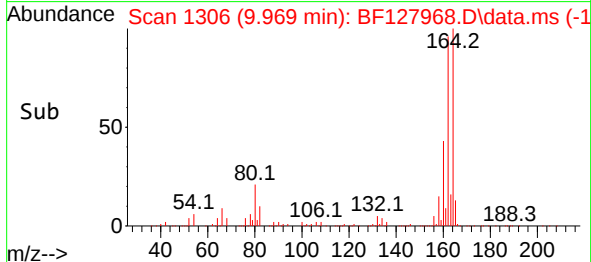
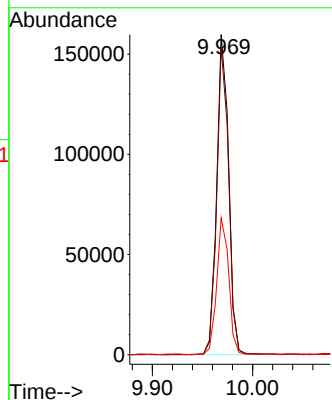
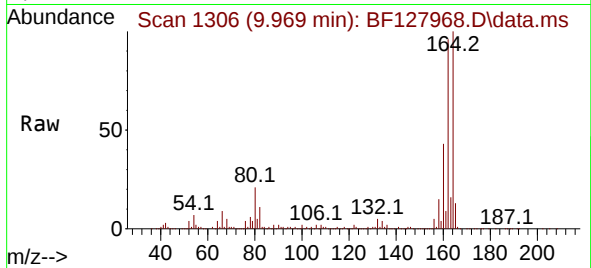




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

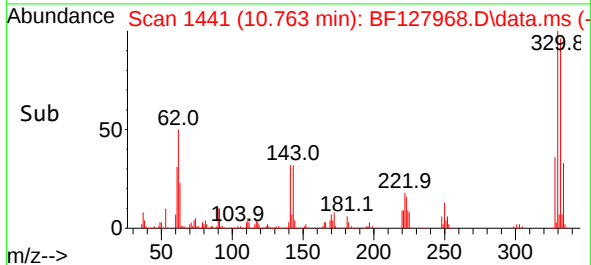
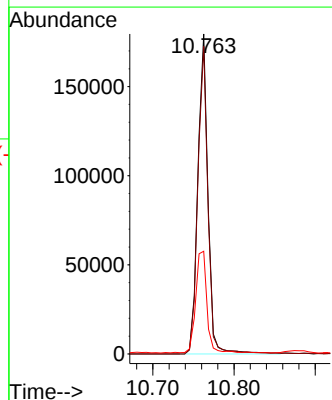
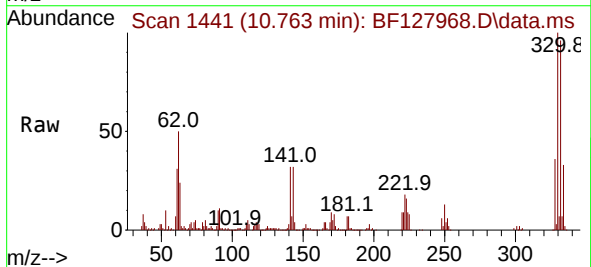
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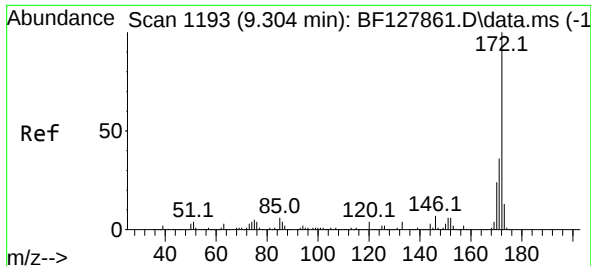
Tgt Ion:164 Resp: 132673
Ion Ratio Lower Upper
164 100
162 96.1 76.0 114.0
160 42.8 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 117.375 ng
RT: 10.763 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Tgt Ion:330 Resp: 156764
Ion Ratio Lower Upper
330 100
332 96.1 79.0 118.4
141 35.6 28.9 43.3

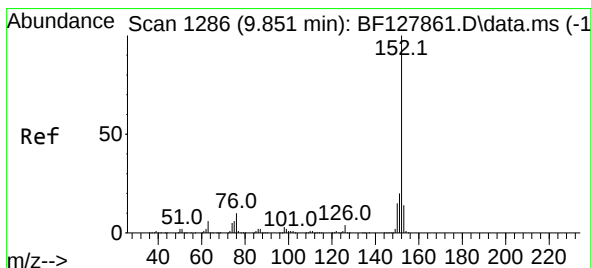
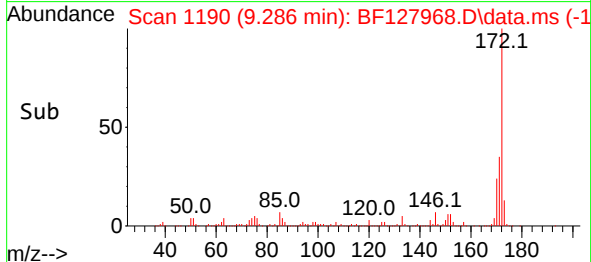
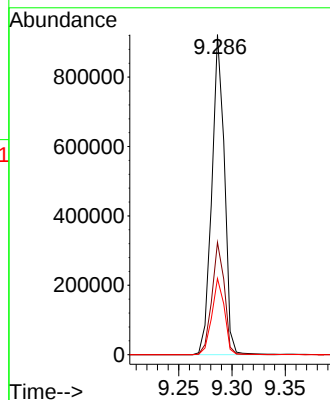
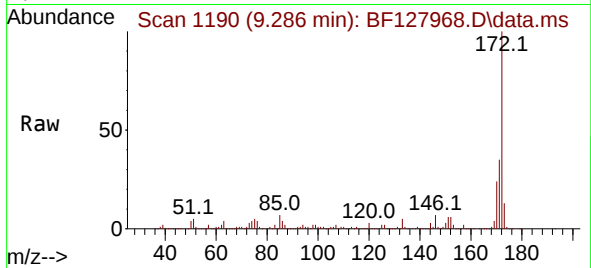




#45
2-Fluorobiphenyl
Concen: 96.778 ng
RT: 9.286 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

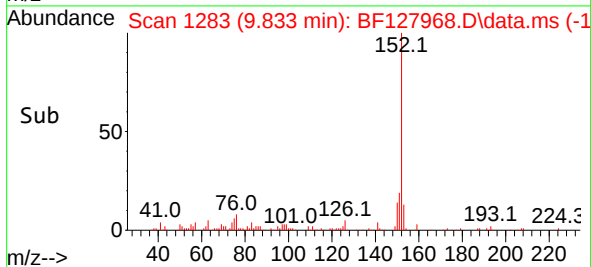
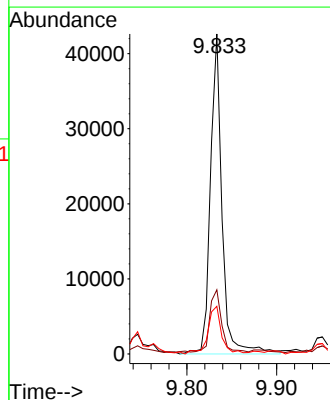
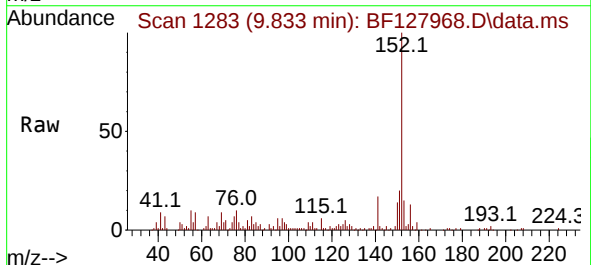
Instrument :
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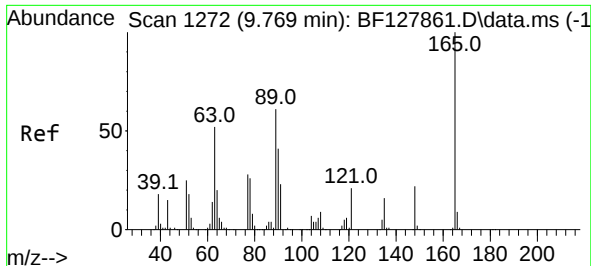
Tgt Ion:172 Resp: 758972
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.8 19.1 28.7



#49
Acenaphthylene
Concen: 3.354 ng
RT: 9.833 min Scan# 1283
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Tgt Ion:152 Resp: 38382
Ion Ratio Lower Upper
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151 20.0 16.2 24.2
153 14.9 11.2 16.8

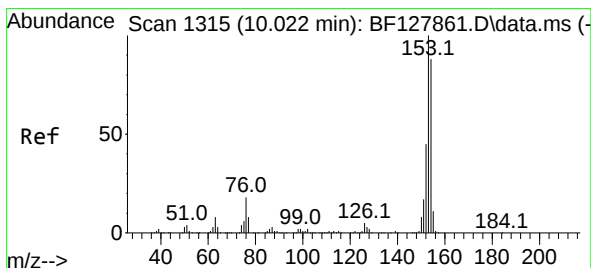
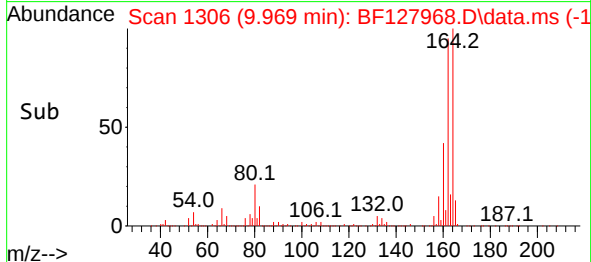
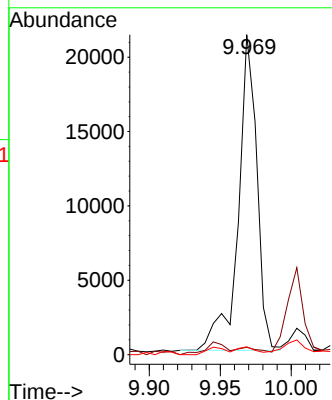
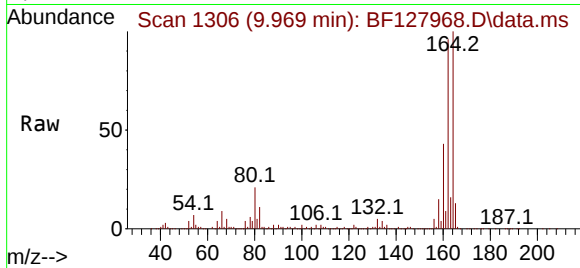




#51
2,6-Dinitrotoluene
Concen: 10.093 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

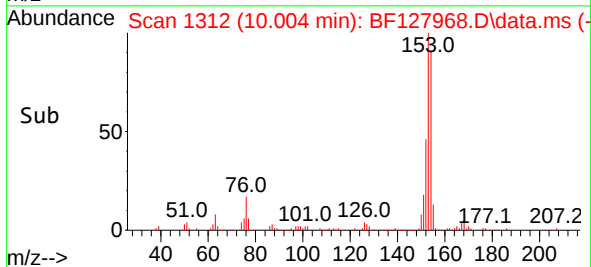
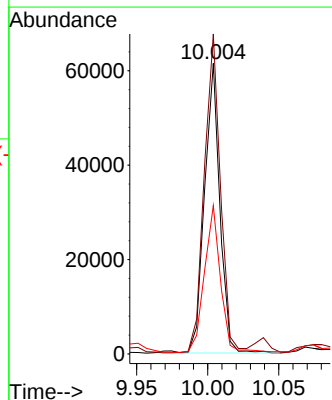
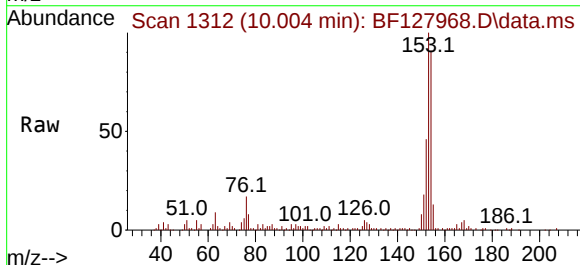
Instrument :
BNA_F
ClientSampleId :
PSC-164718

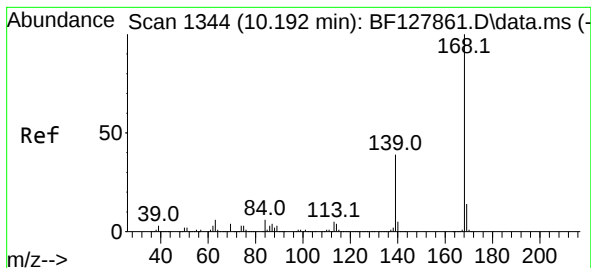
Tgt Ion:165 Resp: 19443
Ion Ratio Lower Upper
165 100
63 2.3 49.5 74.3#
89 2.5 49.0 73.4#



#52
Acenaphthene
Concen: 5.969 ng
RT: 10.004 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Tgt Ion:154 Resp: 45928
Ion Ratio Lower Upper
154 100
153 110.1 90.5 135.7
152 51.1 41.0 61.6





#55

Dibenzenofuran

Concen: 3.626 ng

RT: 10.175 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF127968.D

Acq: 28 Apr 2022 02:07

Instrument :

BNA_F

ClientSampleId :

PSC-164718

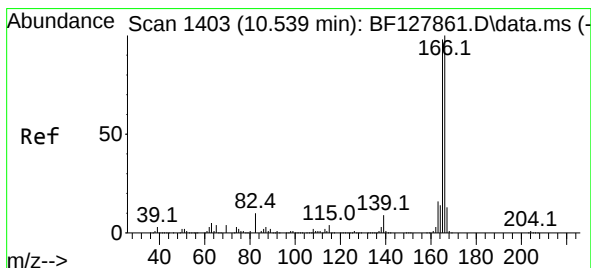
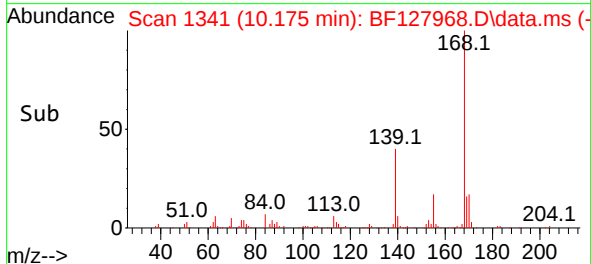
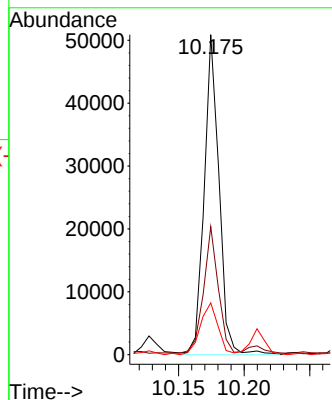
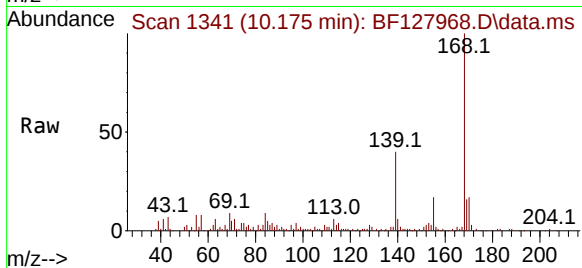
Tgt Ion:168 Resp: 40249

Ion Ratio Lower Upper

168 100

139 40.0 31.7 47.5

169 16.2 10.9 16.3



#58

Fluorene

Concen: 10.208 ng

RT: 10.522 min Scan# 1400

Delta R.T. -0.006 min

Lab File: BF127968.D

Acq: 28 Apr 2022 02:07

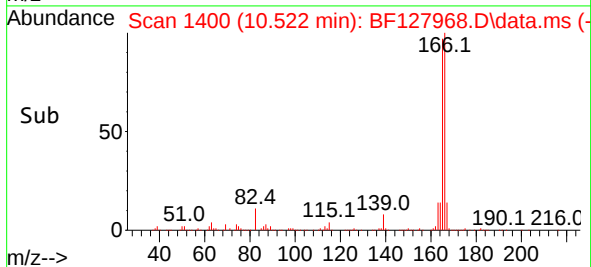
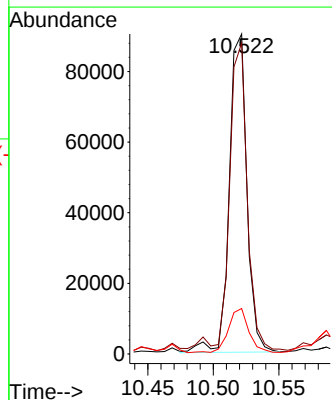
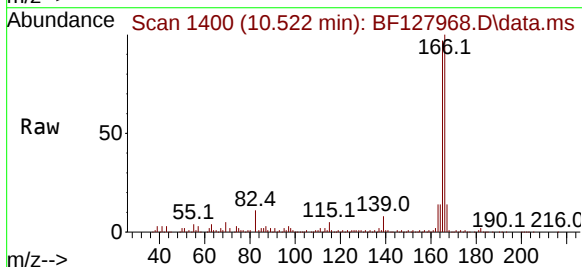
Tgt Ion:166 Resp: 84555

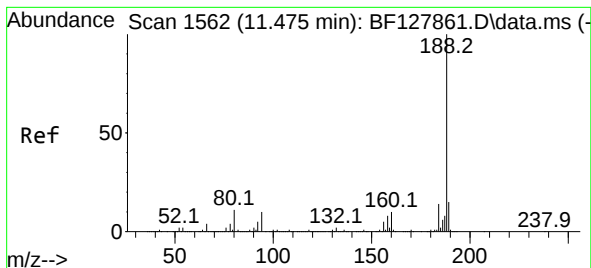
Ion Ratio Lower Upper

166 100

165 97.1 78.6 117.8

167 14.2 10.5 15.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.463 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127968.D

Acq: 28 Apr 2022 02:07

Instrument :

BNA_F

ClientSampleId :

PSC-164718

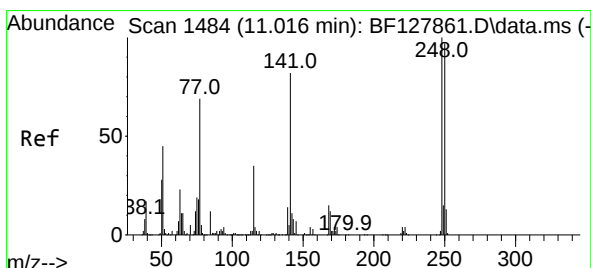
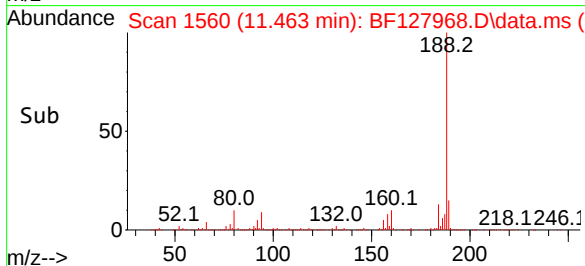
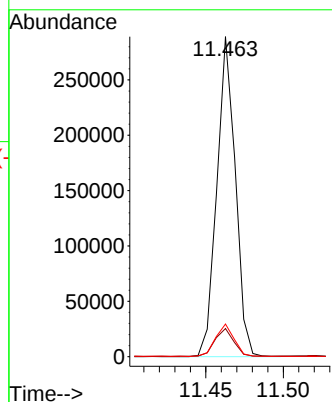
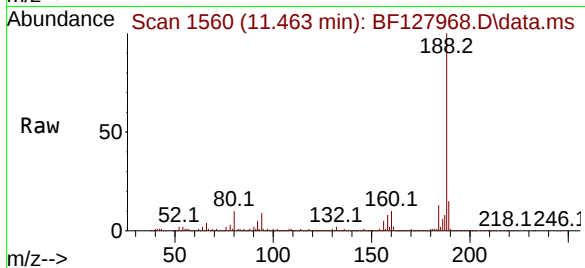
Tgt Ion:188 Resp: 239873

Ion Ratio Lower Upper

188 100

94 8.8 8.0 12.0

80 10.2 8.9 13.3



#67

4-Bromophenyl-phenylether

Concen: 3.668 ng

RT: 10.763 min Scan# 1441

Delta R.T. -0.247 min

Lab File: BF127968.D

Acq: 28 Apr 2022 02:07

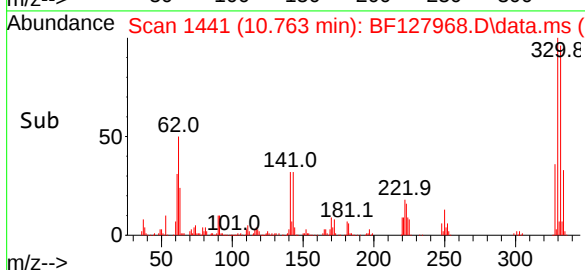
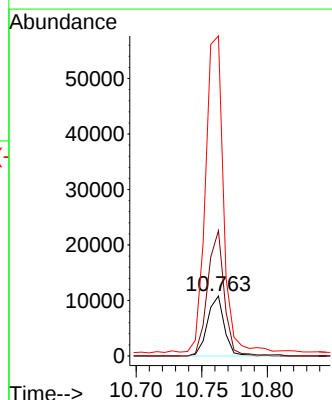
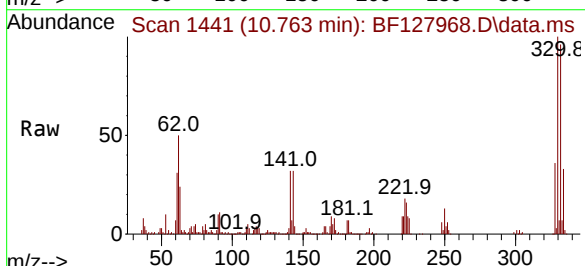
Tgt Ion:248 Resp: 9753

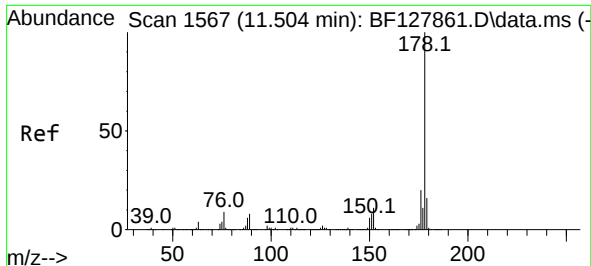
Ion Ratio Lower Upper

248 100

250 208.8 77.7 116.5#

141 533.0 65.6 98.4#

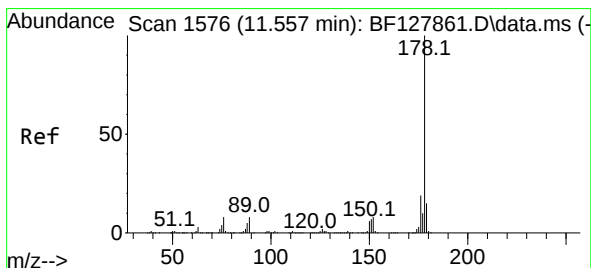
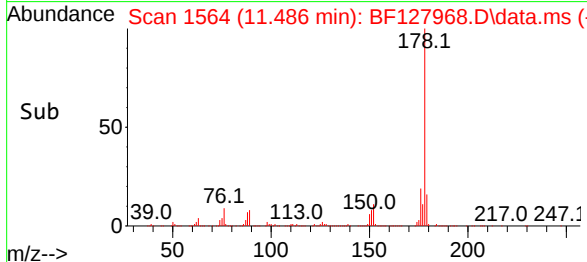
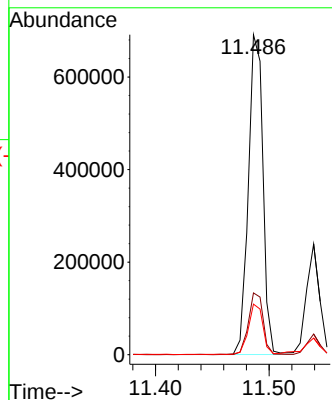
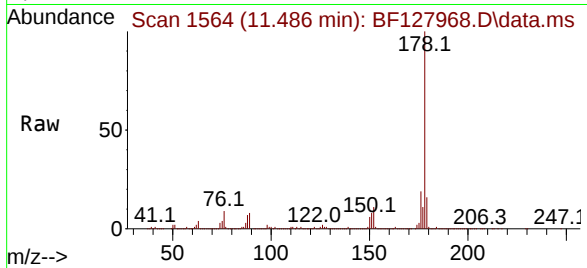




#71
Phenanthrene
Concen: 49.098 ng
RT: 11.486 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

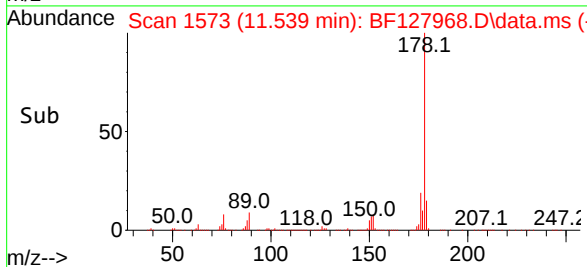
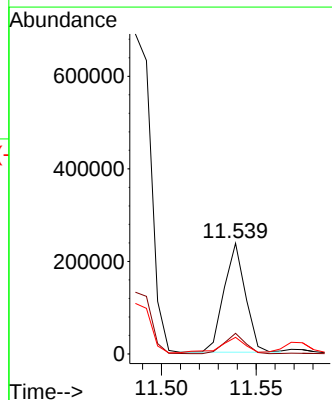
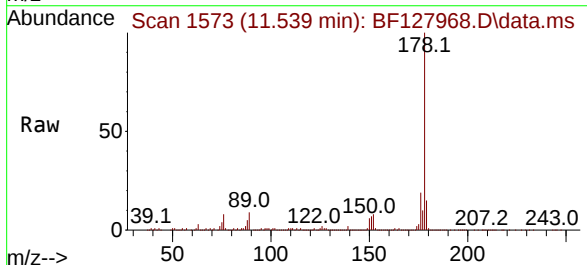
Instrument :
BNA_F
ClientSampleId :
PSC-164718

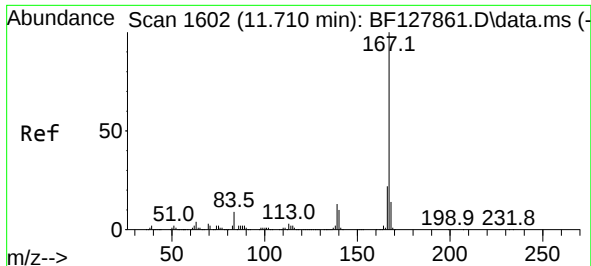
Tgt Ion:178 Resp: 616486
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.8 12.6 19.0



#72
Anthracene
Concen: 14.865 ng
RT: 11.539 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Tgt Ion:178 Resp: 185933
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.1 12.4 18.6

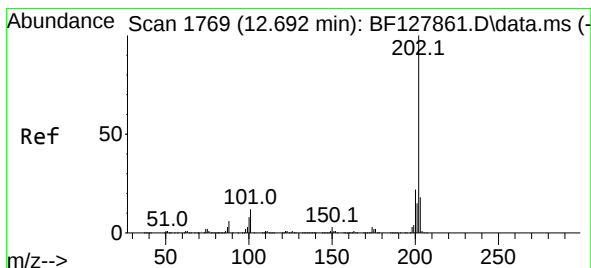
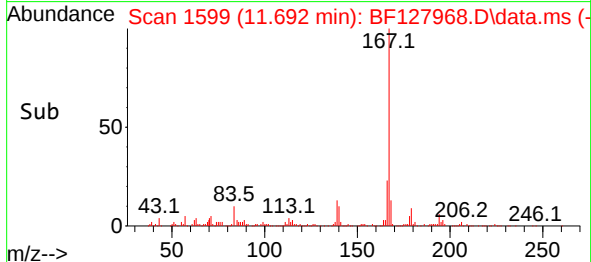
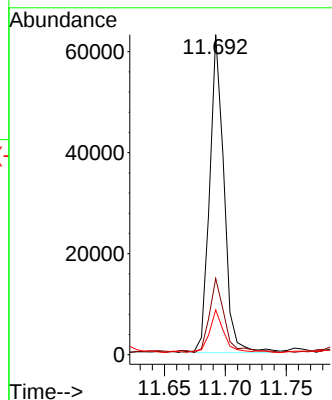
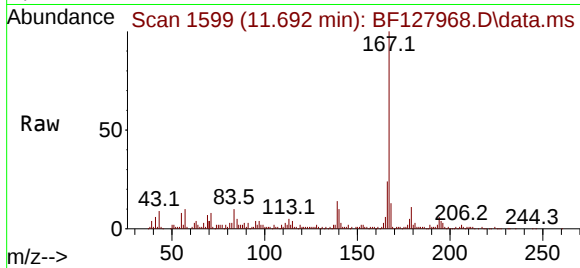




#73
 Carbazole
 Concen: 4.298 ng
 RT: 11.692 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127968.D
 Acq: 28 Apr 2022 02:07

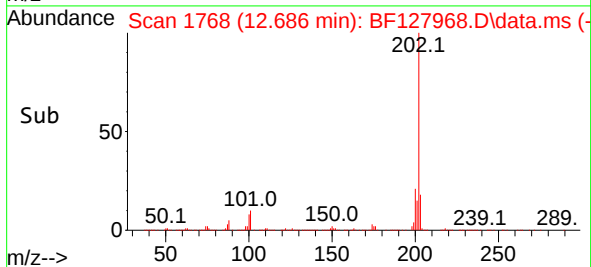
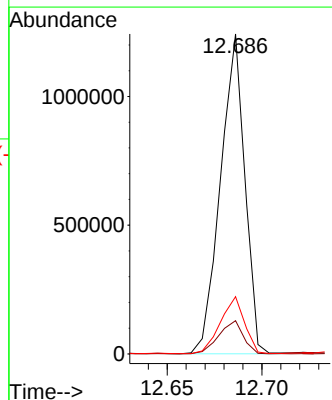
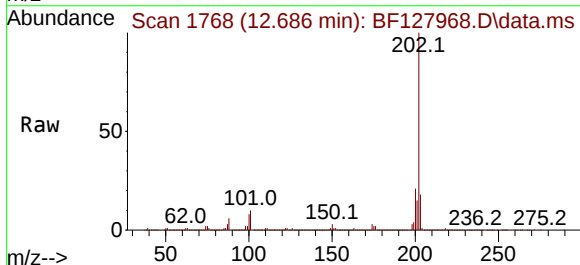
Instrument :
 BNA_F
 ClientSampleId :
 PSC-164718

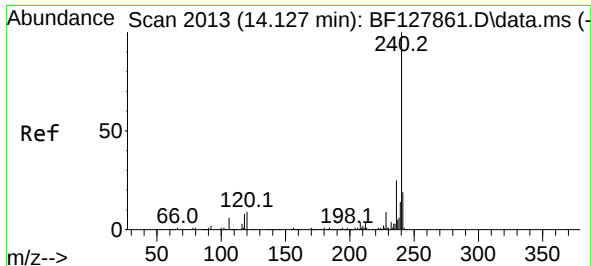
Tgt Ion:167 Resp: 51806
 Ion Ratio Lower Upper
 167 100
 166 23.8 17.6 26.4
 139 14.0 10.7 16.1



#75
 Fluoranthene
 Concen: 84.001 ng
 RT: 12.686 min Scan# 1768
 Delta R.T. -0.000 min
 Lab File: BF127968.D
 Acq: 28 Apr 2022 02:07

Tgt Ion:202 Resp: 1110068
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 31.6
 203 17.9 0.0 38.1

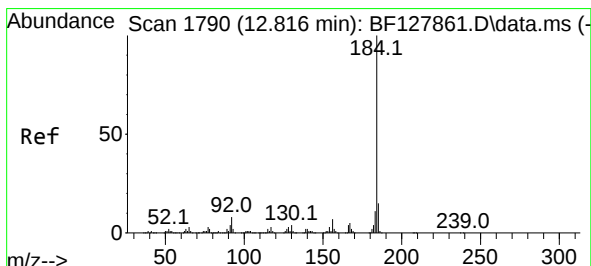
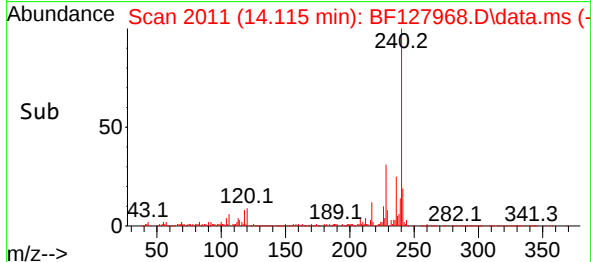
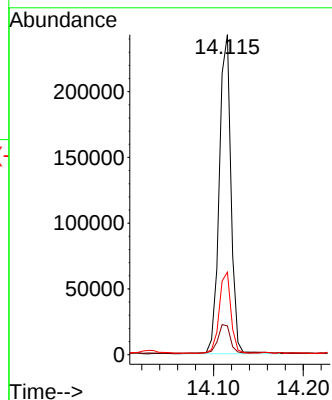
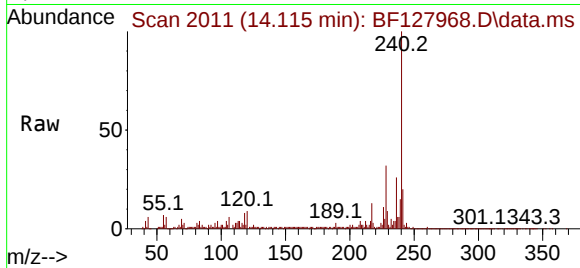




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.115 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

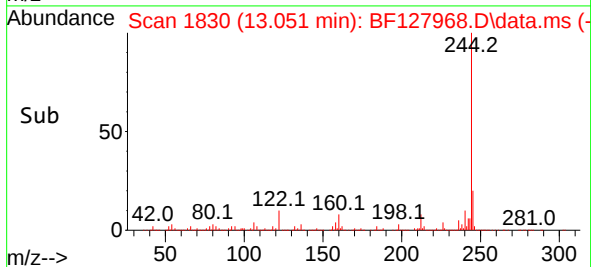
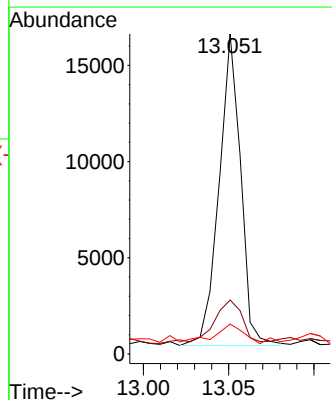
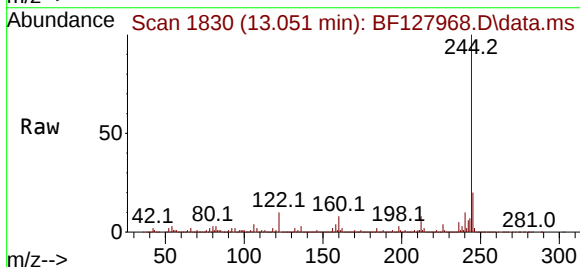
Instrument :
BNA_F
ClientSampleId :
PSC-164718

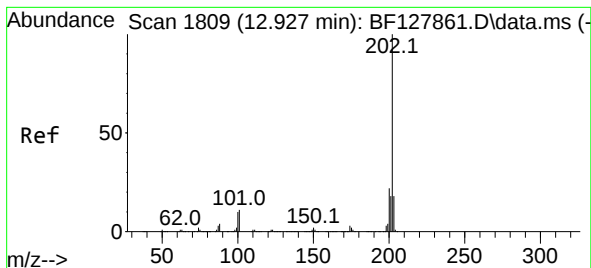
Tgt Ion:240 Resp: 220051
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.6
236 25.8 20.3 30.5



#77
Benzidine
Concen: 3.423 ng
RT: 13.051 min Scan# 1830
Delta R.T. 0.247 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Tgt Ion:184 Resp: 14252
Ion Ratio Lower Upper
184 100
185 16.9 12.1 18.1
183 9.3 9.0 13.4





#78

Pyrene

Concen: 58.491 ng

RT: 12.916 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF127968.D

Acq: 28 Apr 2022 02:07

Instrument :

BNA_F

ClientSampleId :

PSC-164718

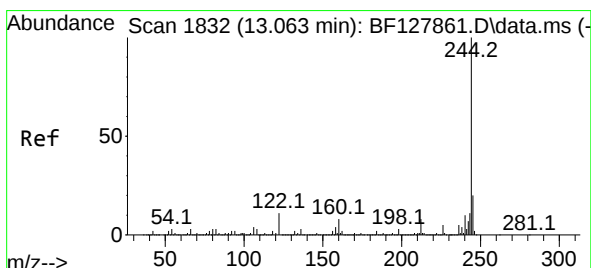
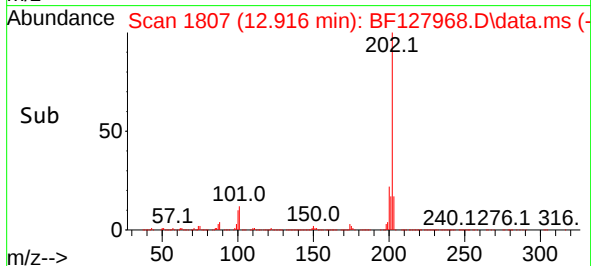
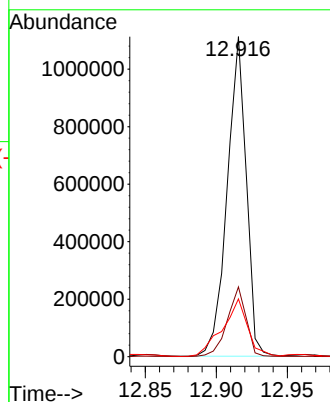
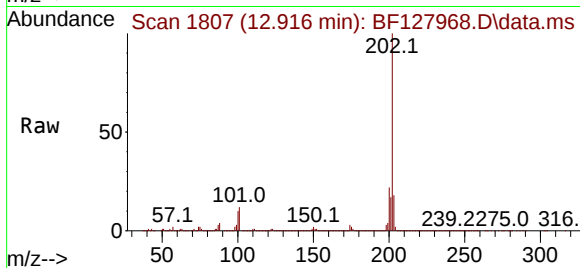
Tgt Ion:202 Resp: 1039005

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

203 18.0 14.0 21.0



#79

Terphenyl-d14

Concen: 76.487 ng

RT: 13.051 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF127968.D

Acq: 28 Apr 2022 02:07

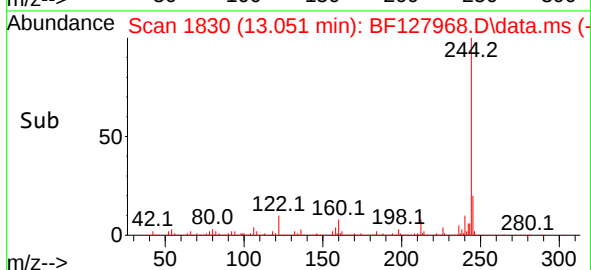
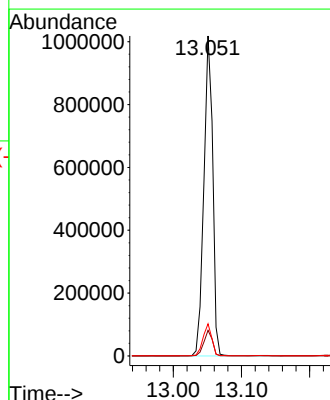
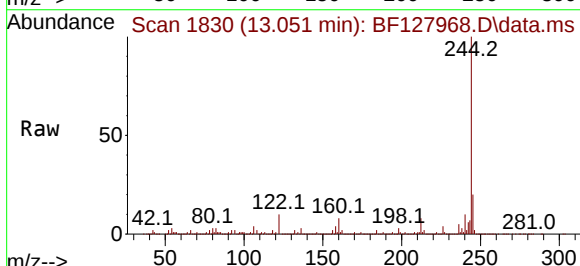
Tgt Ion:244 Resp: 920452

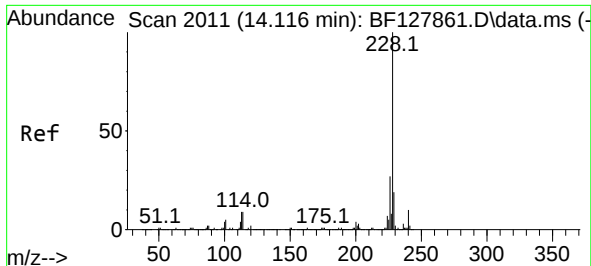
Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.4

122 10.1 8.6 12.8

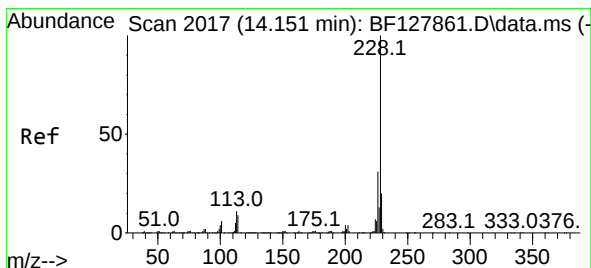
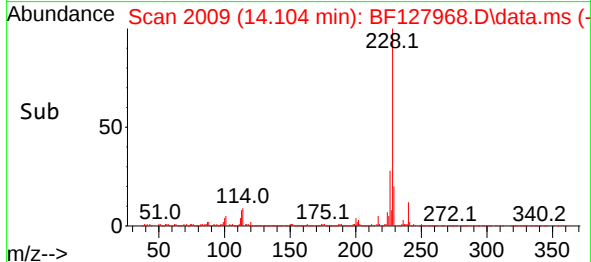
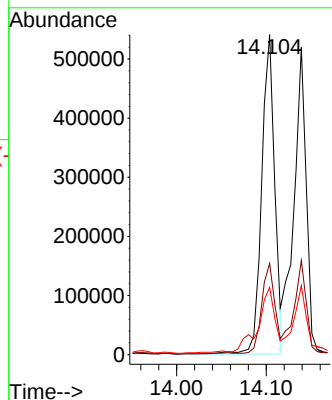
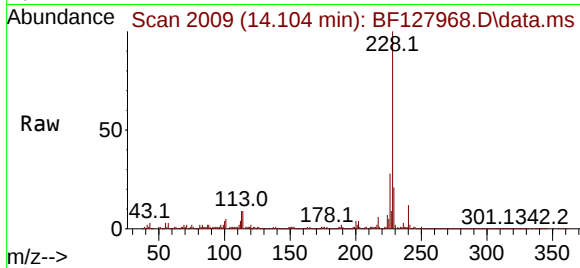




#81
Benzo(a)anthracene
Concen: 37.083 ng
RT: 14.104 min Scan# 2010
Delta R.T. -0.000 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

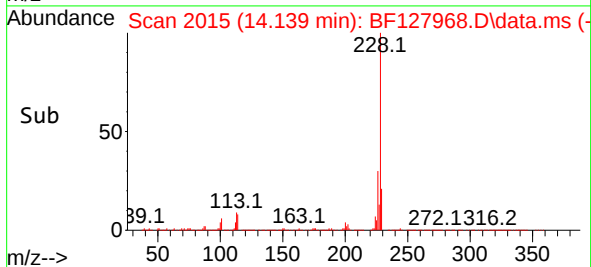
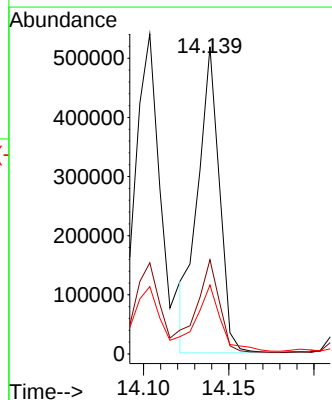
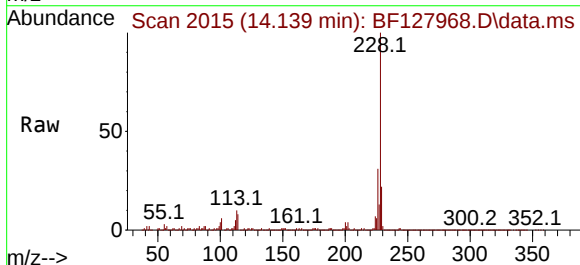
Instrument :
BNA_F
ClientSampleId :
PSC-164718

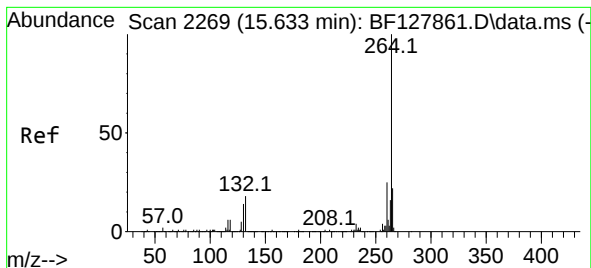
Tgt Ion:228 Resp: 543892
Ion Ratio Lower Upper
228 100
226 28.5 21.7 32.5
229 21.1 15.4 23.2



#83
Chrysene
Concen: 32.631 ng
RT: 14.139 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Tgt Ion:228 Resp: 457080
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 22.5 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.627 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF127968.D

Acq: 28 Apr 2022 02:07

Instrument :

BNA_F

ClientSampleId :

PSC-164718

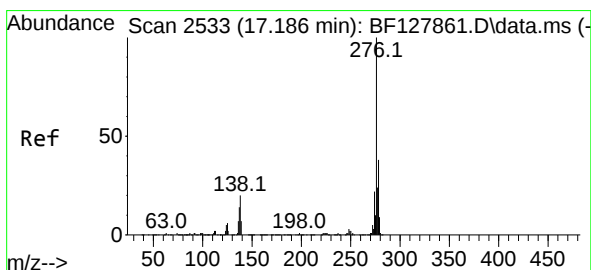
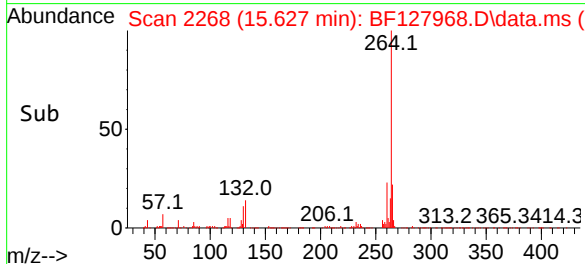
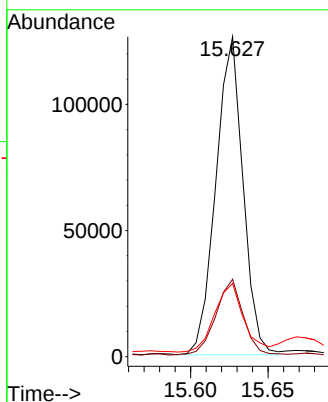
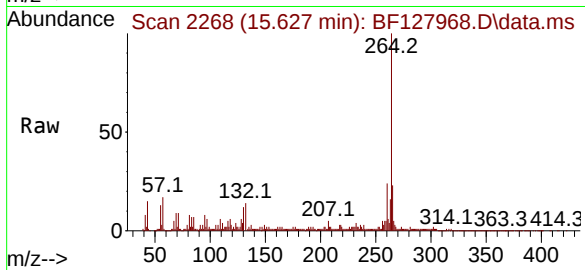
Tgt Ion:264 Resp: 153226

Ion Ratio Lower Upper

264 100

260 24.2 20.1 30.1

265 22.9 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 19.272 ng

RT: 17.168 min Scan# 2530

Delta R.T. -0.000 min

Lab File: BF127968.D

Acq: 28 Apr 2022 02:07

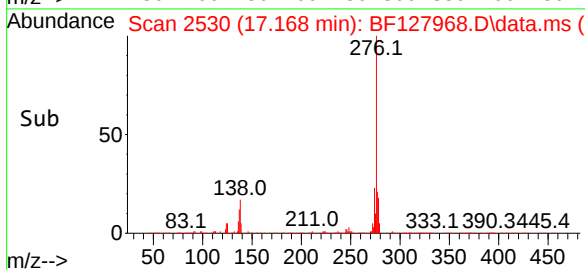
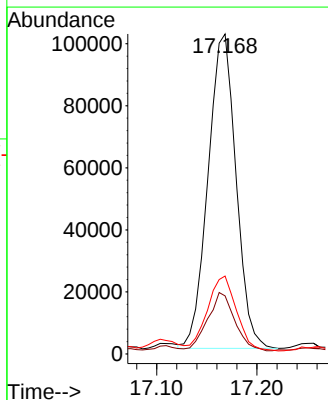
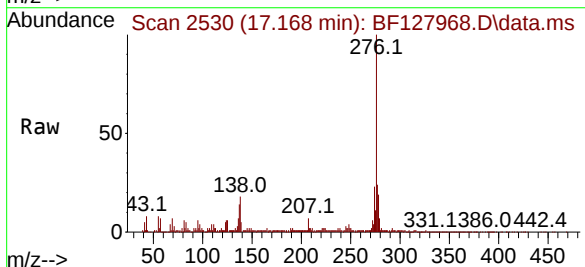
Tgt Ion:276 Resp: 197101

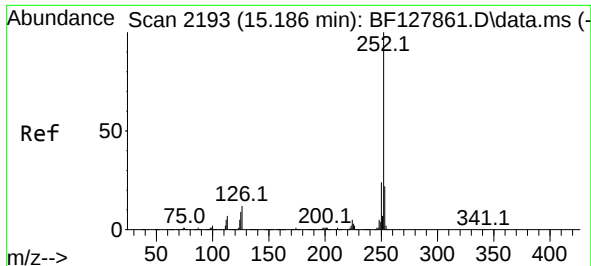
Ion Ratio Lower Upper

276 100

138 18.5 19.0 28.4#

277 24.8 20.1 30.1

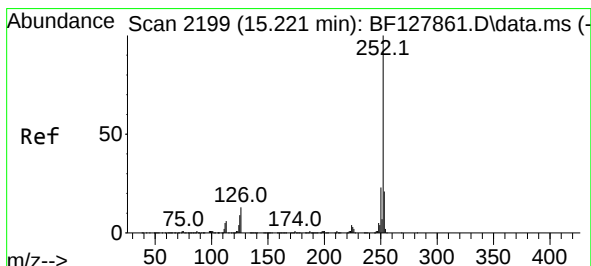
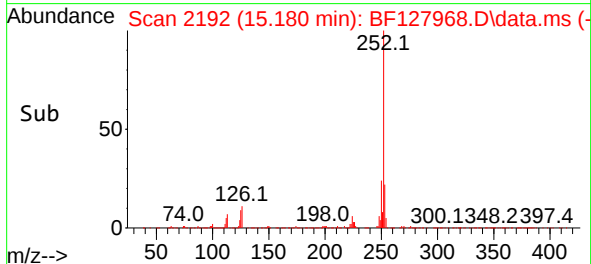
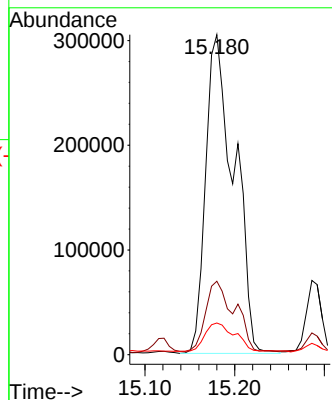
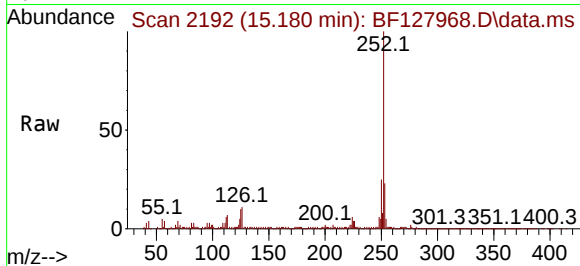




#88
Benzo(b)fluoranthene
Concen: 69.993 ng
RT: 15.180 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

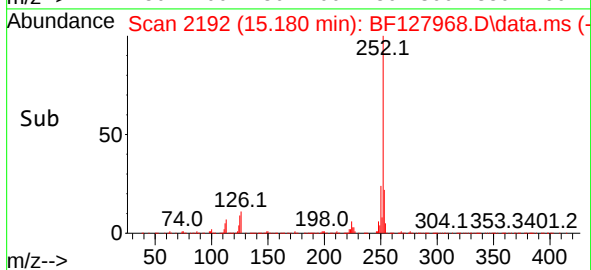
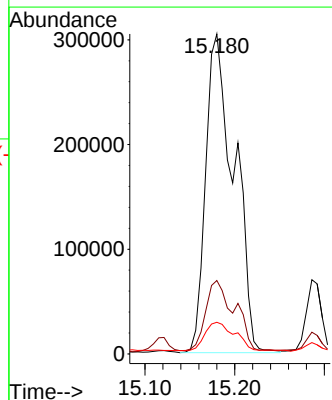
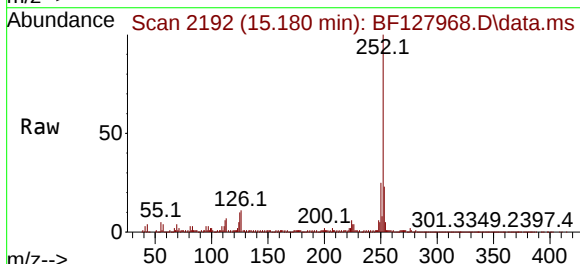
Instrument :
BNA_F
ClientSampleId :
PSC-164718

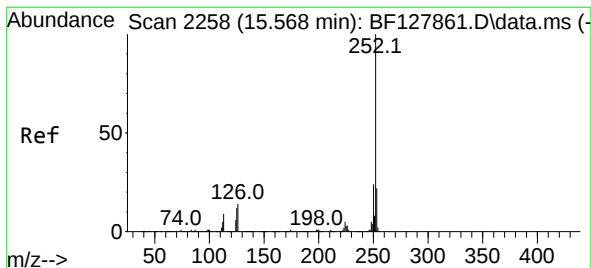
Tgt Ion:252 Resp: 673607
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 9.9 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 69.473 ng
RT: 15.180 min Scan# 2192
Delta R.T. -0.029 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Tgt Ion:252 Resp: 673607
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.4
125 9.9 6.8 10.2





#90

Benzo(a)pyrene

Concen: 43.247 ng

RT: 15.562 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF127968.D

Acq: 28 Apr 2022 02:07

Instrument :

BNA_F

ClientSampleId :

PSC-164718

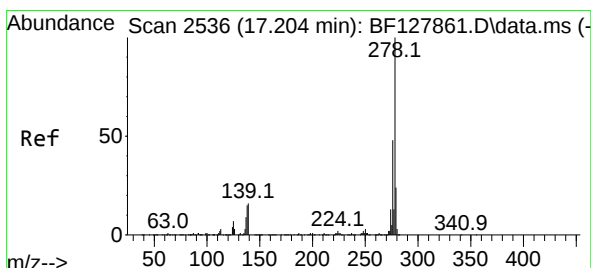
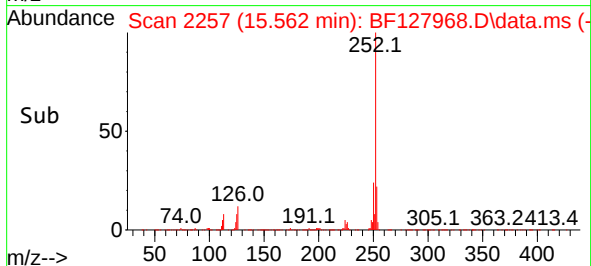
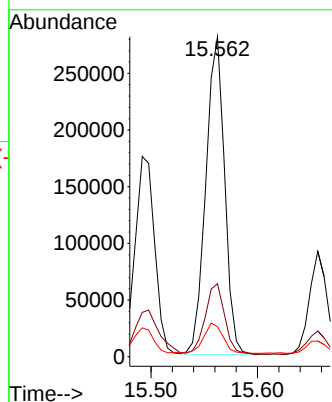
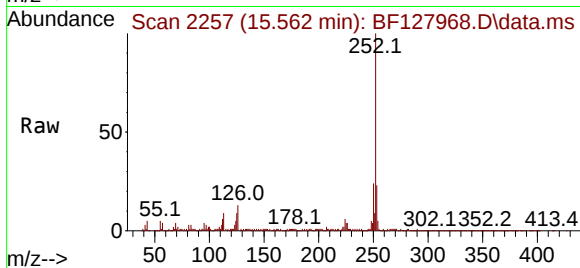
Tgt Ion:252 Resp: 345236

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

125 9.4 9.2 13.8



#91

Dibenzo(a,h)anthracene

Concen: 5.826 ng

RT: 17.174 min Scan# 2531

Delta R.T. -0.012 min

Lab File: BF127968.D

Acq: 28 Apr 2022 02:07

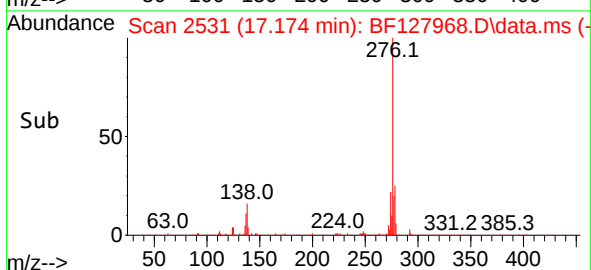
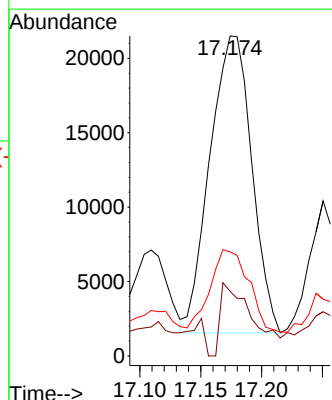
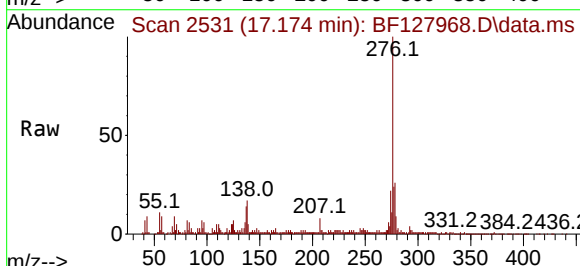
Tgt Ion:278 Resp: 47791

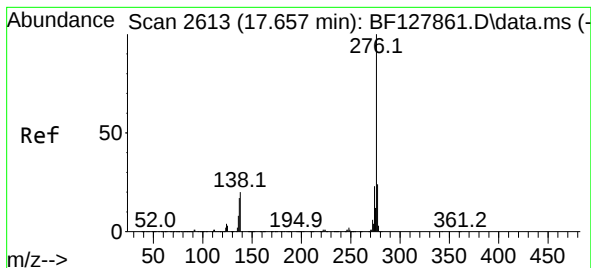
Ion Ratio Lower Upper

278 100

139 20.2 12.6 19.0#

279 32.5 18.9 28.3#





#92

Benzo(g,h,i)perylene

Concen: 22.661 ng

RT: 17.633 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF127968.D

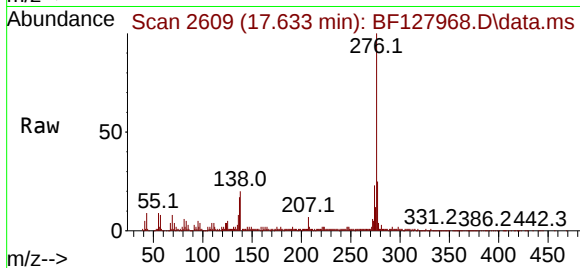
Acq: 28 Apr 2022 02:07

Instrument :

BNA_F

ClientSampleId :

PSC-164718



Tgt Ion:276 Resp: 195884

Ion Ratio Lower Upper

276 100

277 24.6 18.8 28.2

138 20.3 16.2 24.2

