

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
 Data File : BF128067.D
 Acq On : 04 May 2022 13:00
 Operator : CG\JU
 Sample : N2659-04RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 22L097-DRE

Quant Time: May 05 06:02:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 04:23:29 2022
 Response via : Initial Calibration

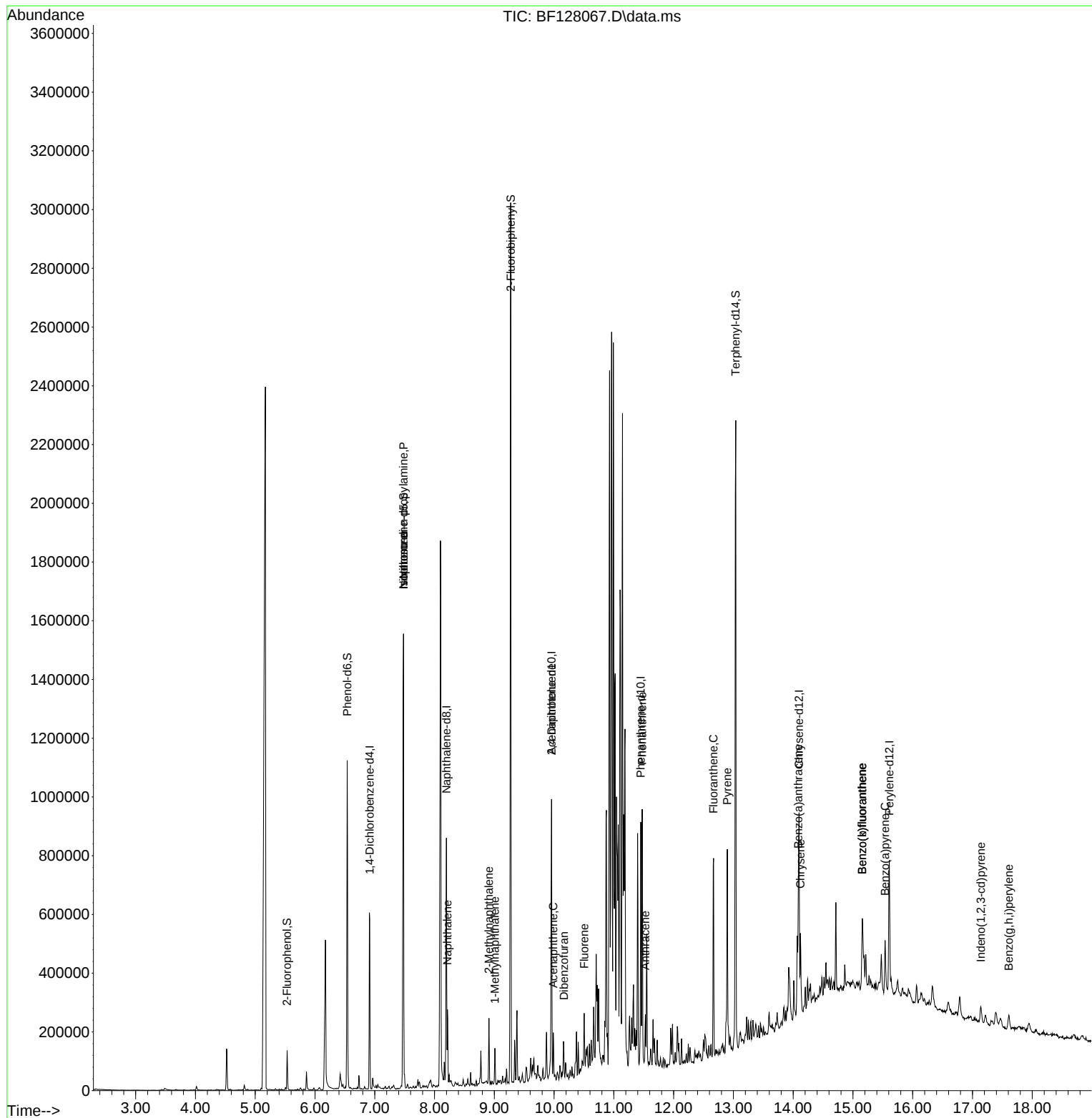
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	85025	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	334554	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	182293	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	288021	20.000	ng	0.00
76) Chrysene-d12	14.098	240	195531	20.000	ng	0.00
86) Perylene-d12	15.610	264	184951	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	30272	5.671	ng	0.00
7) Phenol-d6	6.540	99	340203	49.115	ng	-0.01
23) Nitrobenzene-d5	7.481	82	517104	72.683	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	2053	1.119	ng	-0.01
45) 2-Fluorobiphenyl	9.275	172	856353	79.473	ng	0.00
79) Terphenyl-d14	13.039	244	732154	68.469	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.481	70	75853	17.890	ng	# 80
25) Isophorone	7.481	82	515968	43.090	ng	# 68
31) Naphthalene	8.216	128	47877	2.810	ng	99
37) 2-Methylnaphthalene	8.910	142	52527	4.664	ng	96
38) 1-Methylnaphthalene	9.010	142	27927	2.551	ng	94
52) Acenaphthene	9.986	154	28723	2.717	ng	97
55) Dibenzofuran	10.163	168	37592	2.465	ng	97
57) 2,4-Dinitrotoluene	9.957	165	25731	7.339	ng	# 26
58) Fluorene	10.504	166	33231	2.920	ng	95
71) Phenanthrene	11.475	178	288217	19.117	ng	100
72) Anthracene	11.527	178	68671	4.572	ng	99
75) Fluoranthene	12.669	202	263200	16.587	ng	96
78) Pyrene	12.898	202	244138	15.467	ng	98
81) Benzo(a)anthracene	14.086	228	120492	9.245	ng	99
83) Chrysene	14.121	228	100391	8.066	ng	97
87) Indeno(1,2,3-cd)pyrene	17.139	276	37586	3.045	ng	93
88) Benzo(b)fluoranthene	15.157	252	154891	13.334	ng	# 93
89) Benzo(k)fluoranthene	15.157	252	154891	13.235	ng	# 92
90) Benzo(a)pyrene	15.539	252	80317	8.335	ng	95
92) Benzo(g,h,i)perylene	17.609	276	35855	3.436	ng	96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
Data File : BF128067.D
Acq On : 04 May 2022 13:00
Operator : CG\JU
Sample : N2659-04RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
22L097-DRE

Quant Time: May 05 06:02:17 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 04 04:23:29 2022
Response via : Initial Calibration

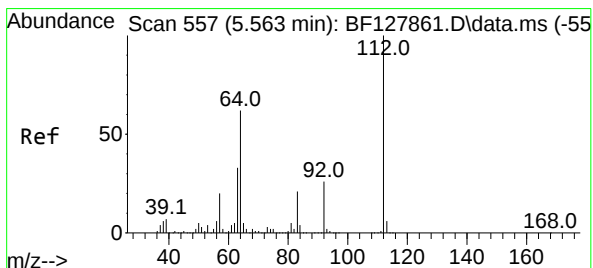
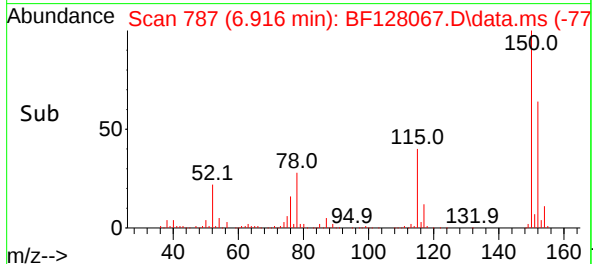
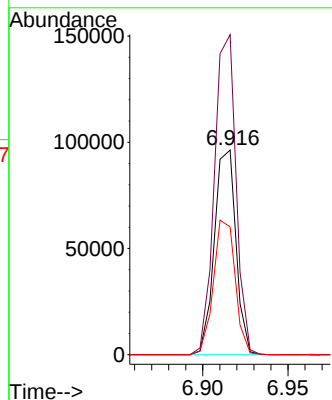
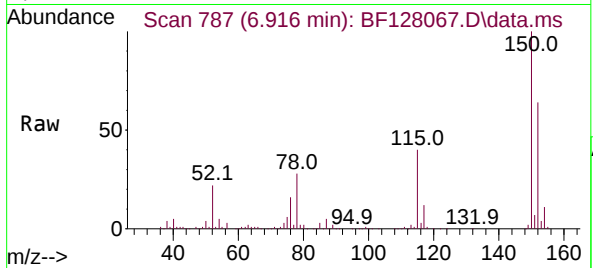




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.916 min Scan# 792
 Delta R.T. 0.000 min
 Lab File: BF128067.D
 Acq: 04 May 2022 13:00

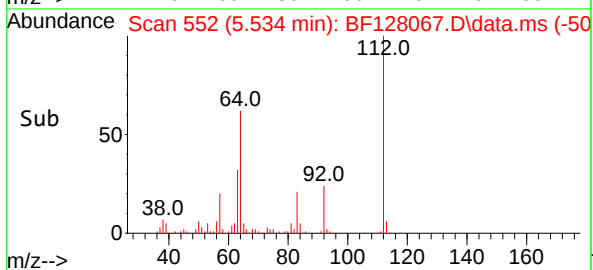
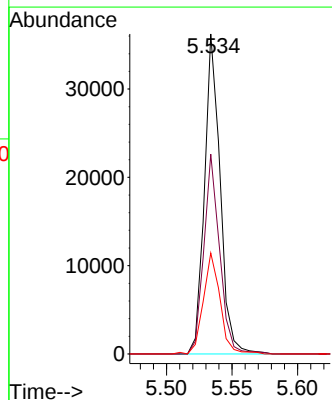
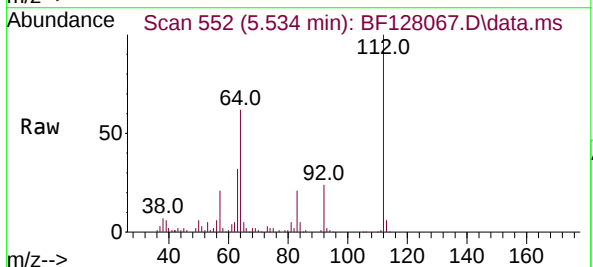
Instrument :
 BNA_F
 ClientSampleId :
 22L097-DRE

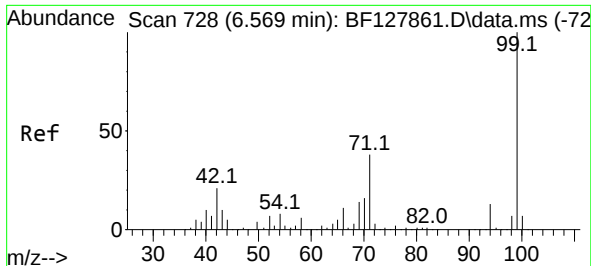
Tgt Ion:152 Resp: 85025
 Ion Ratio Lower Upper
 152 100
 150 156.4 125.3 187.9
 115 62.5 48.8 73.2



#5
 2-Fluorophenol
 Concen: 5.671 ng
 RT: 5.534 min Scan# 552
 Delta R.T. -0.006 min
 Lab File: BF128067.D
 Acq: 04 May 2022 13:00

Tgt Ion:112 Resp: 30272
 Ion Ratio Lower Upper
 112 100
 64 62.4 49.5 74.3
 63 31.5 26.3 39.5

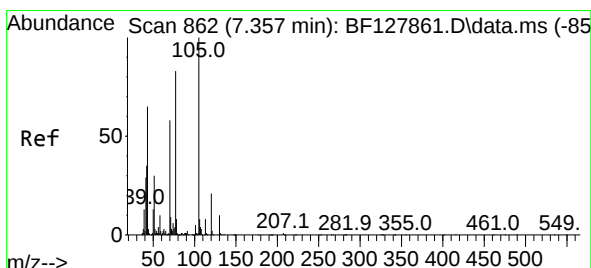
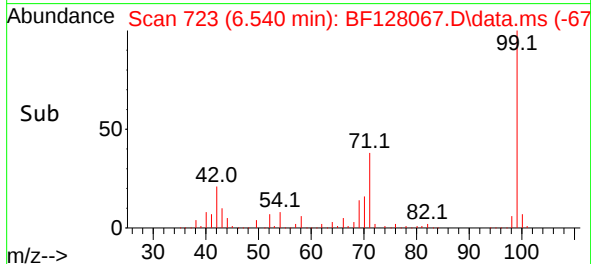
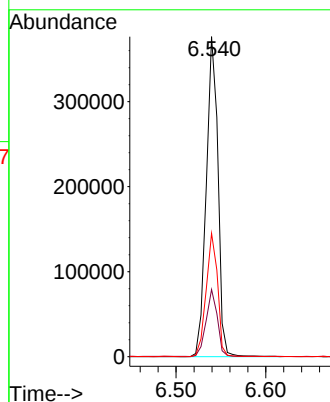
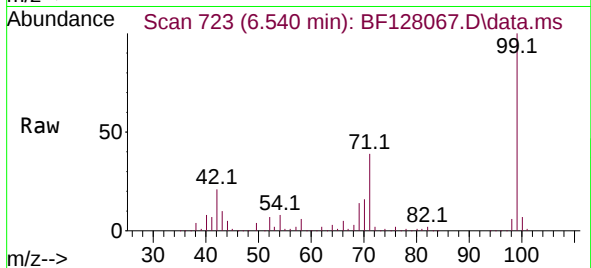




#7
Phenol-d6
Concen: 49.115 ng
RT: 6.540 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

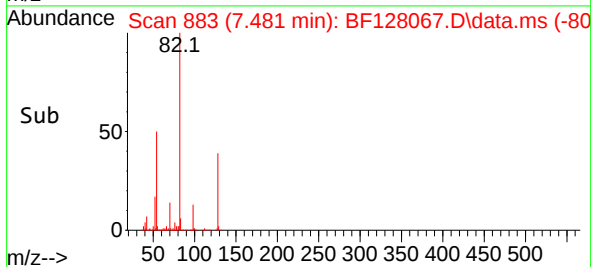
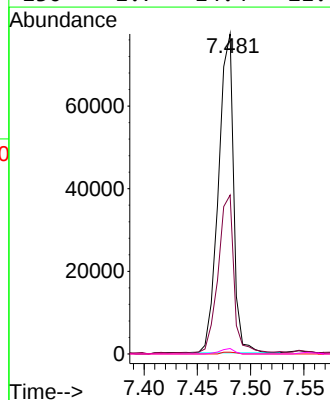
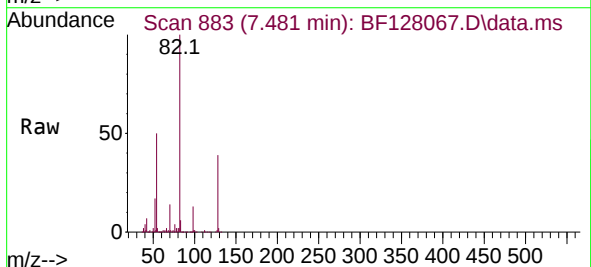
Instrument :
BNA_F
ClientSampleId :
22L097-DRE

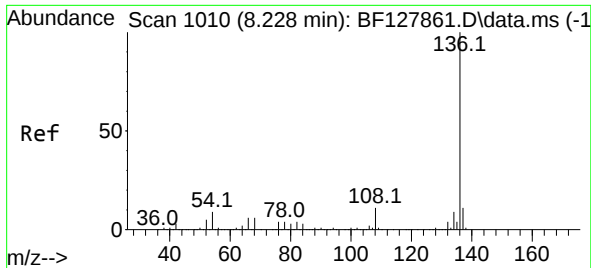
Tgt Ion: 99 Resp: 340203
Ion Ratio Lower Upper
99 100
42 21.0 16.6 24.8
71 38.6 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 17.890 ng
RT: 7.481 min Scan# 883
Delta R.T. 0.147 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

Tgt Ion: 70 Resp: 75853
Ion Ratio Lower Upper
70 100
42 49.7 48.7 73.1
101 0.5 7.2 10.8#
130 1.7 14.4 21.6#

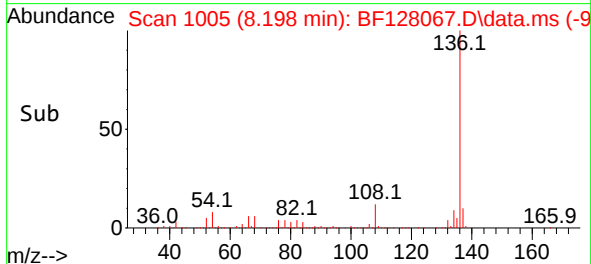
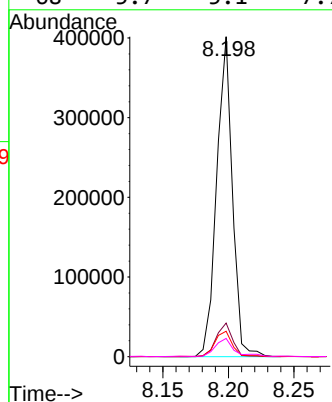
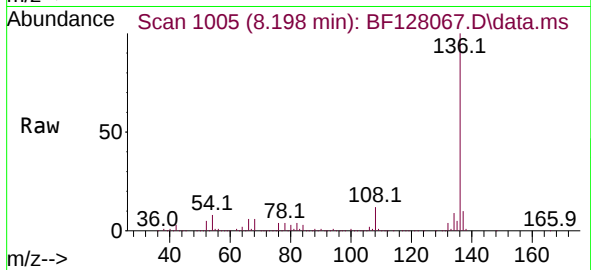




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

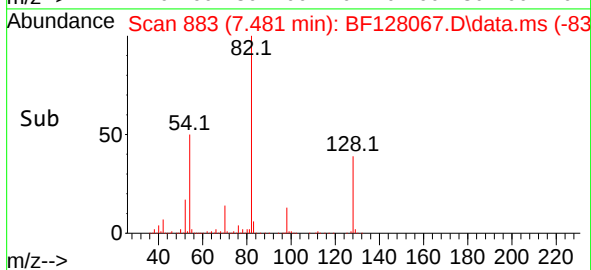
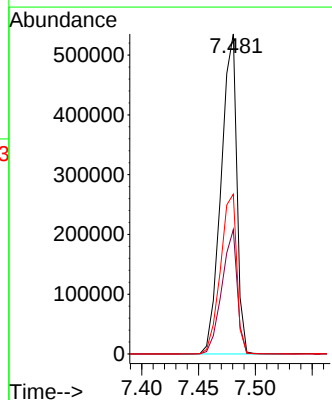
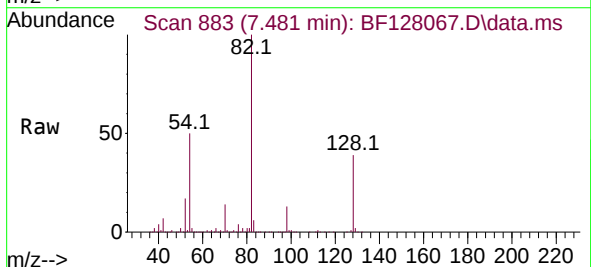
Instrument :
BNA_F
ClientSampleId :
22L097-DRE

Tgt Ion:	136	Resp:	334554
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	8.0	6.8	10.2
68	5.7	5.1	7.7



#23
Nitrobenzene-d5
Concen: 72.683 ng
RT: 7.481 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

Tgt Ion:	82	Resp:	517104
Ion	Ratio	Lower	Upper
82	100		
128	38.9	30.0	45.0
54	50.0	41.3	61.9

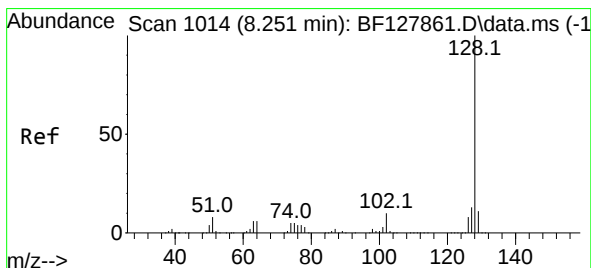
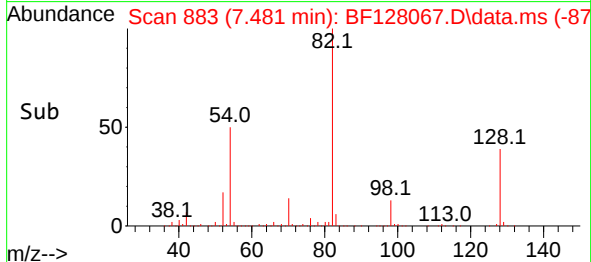
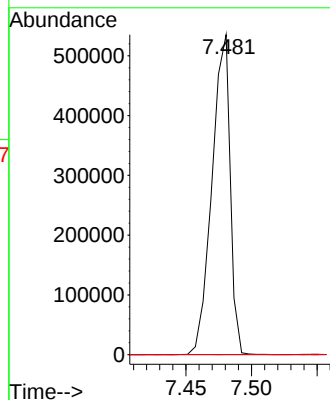
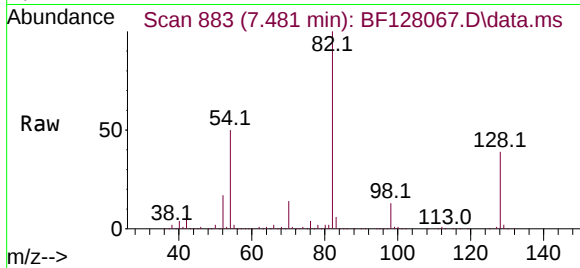




#25
Isophorone
Concen: 43.090 ng
RT: 7.481 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

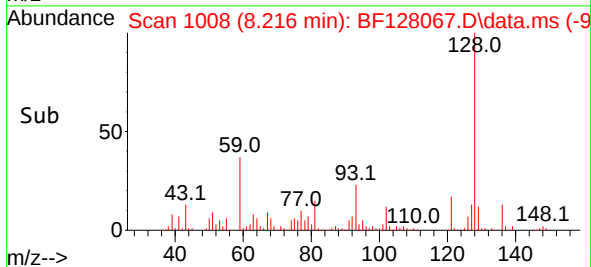
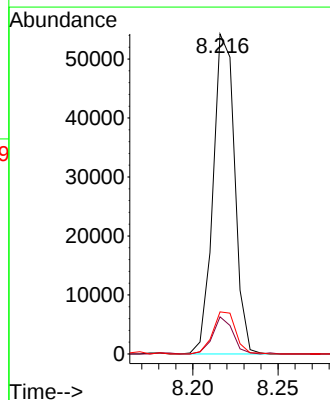
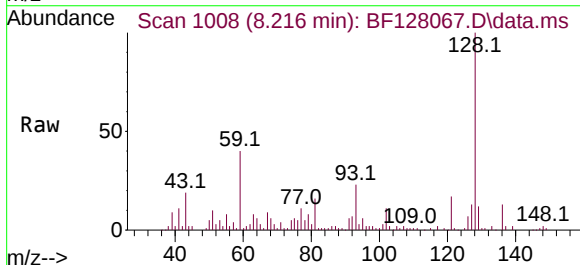
Instrument :
BNA_F
ClientSampleId :
22L097-DRE

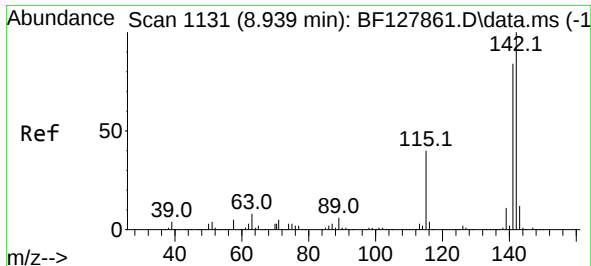
Tgt Ion: 82 Resp: 515968
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#31
Naphthalene
Concen: 2.810 ng
RT: 8.216 min Scan# 1008
Delta R.T. -0.012 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

Tgt Ion: 128 Resp: 47877
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.4
127 13.2 10.6 16.0





#37

2-Methylnaphthalene

Concen: 4.664 ng

RT: 8.910 min Scan# 1126

Delta R.T. -0.006 min

Lab File: BF128067.D

Acq: 04 May 2022 13:00

Instrument :

BNA_F

ClientSampleId :

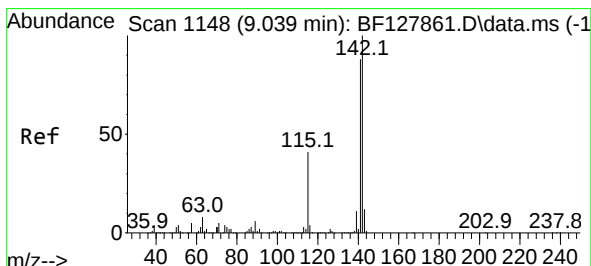
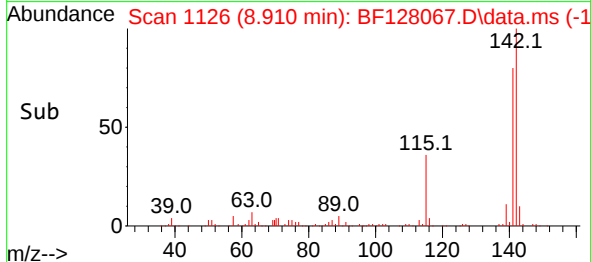
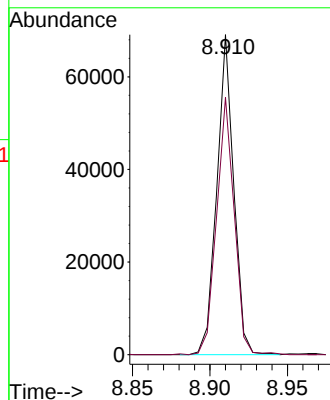
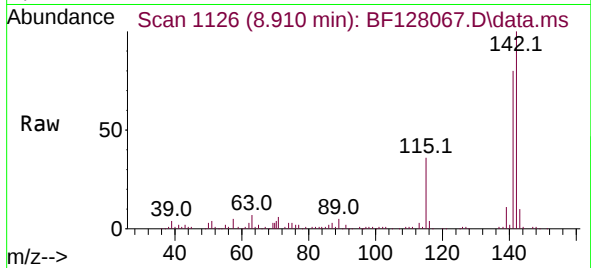
22L097-DRE

Tgt Ion:142 Resp: 52527

Ion Ratio Lower Upper

142 100

141 80.4 67.4 101.2



#38

1-Methylnaphthalene

Concen: 2.551 ng

RT: 9.010 min Scan# 1143

Delta R.T. -0.006 min

Lab File: BF128067.D

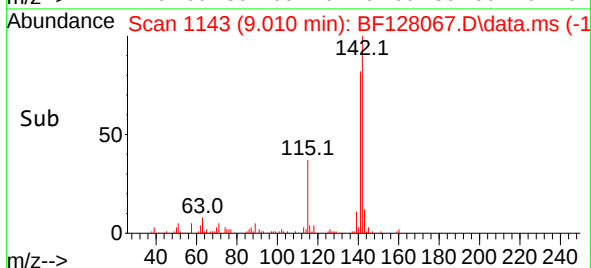
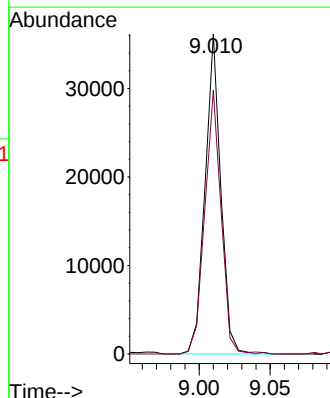
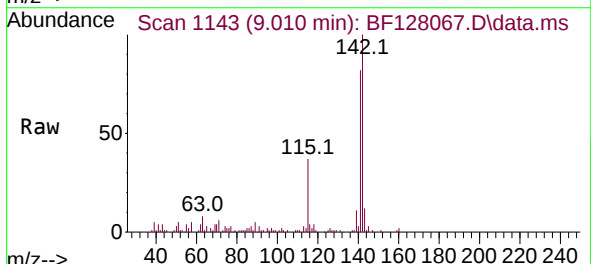
Acq: 04 May 2022 13:00

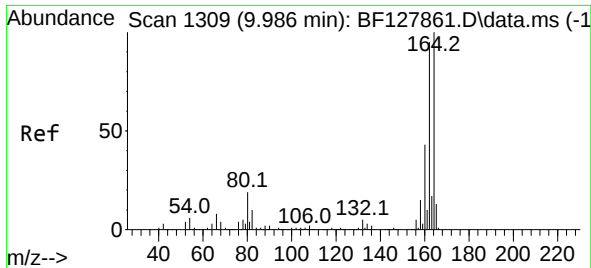
Tgt Ion:142 Resp: 27927

Ion Ratio Lower Upper

142 100

141 82.4 70.1 105.1

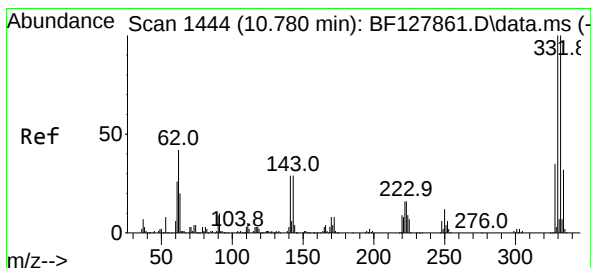
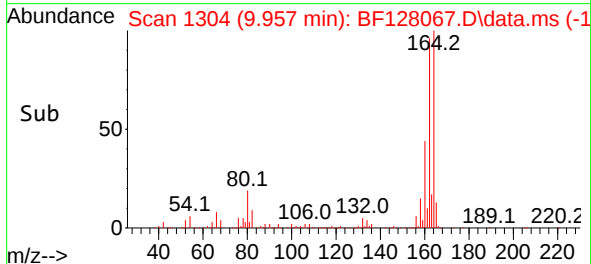
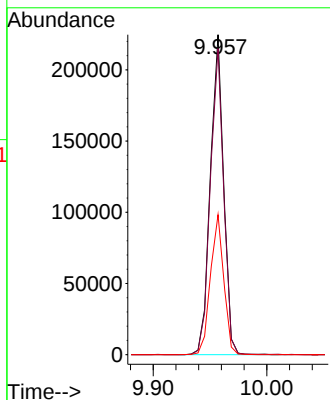
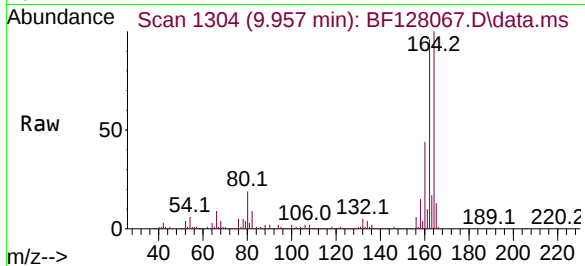




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

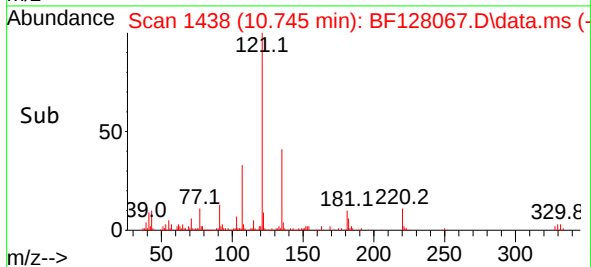
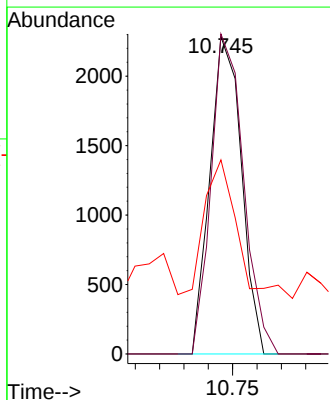
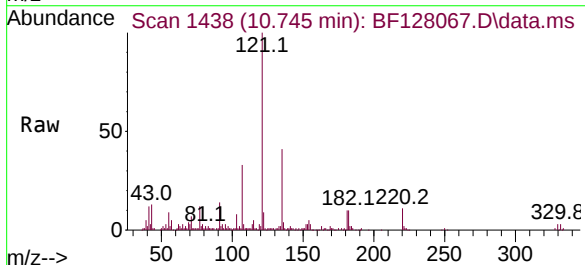
Instrument :
BNA_F
ClientSampleId :
22L097-DRE

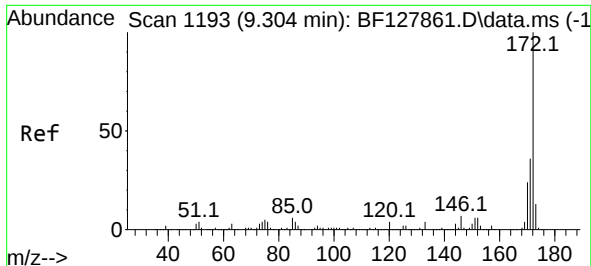
Tgt Ion:164 Resp: 182293
Ion Ratio Lower Upper
164 100
162 95.6 76.0 114.0
160 43.8 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 1.119 ng
RT: 10.745 min Scan# 1438
Delta R.T. -0.012 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

Tgt Ion:330 Resp: 2053
Ion Ratio Lower Upper
330 100
332 103.8 79.0 118.4
141 40.6 28.9 43.3

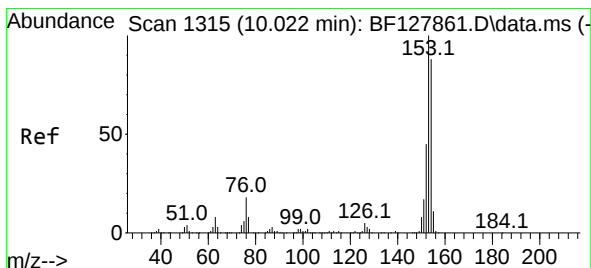
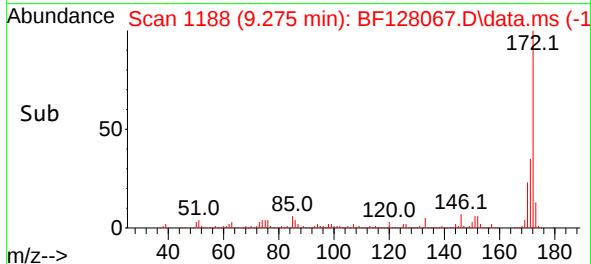
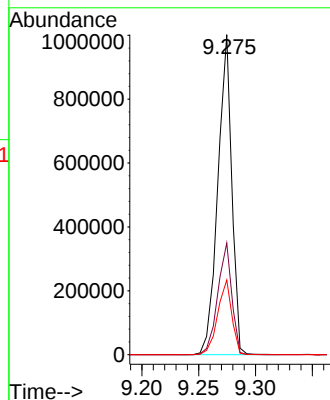
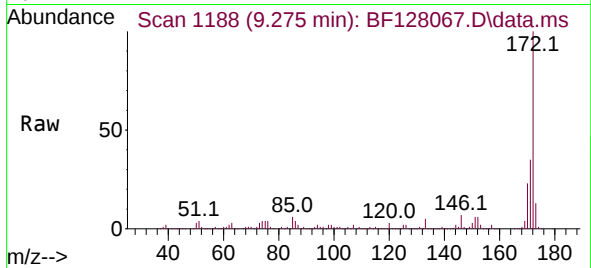




#45
2-Fluorobiphenyl
Concen: 79.473 ng
RT: 9.275 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

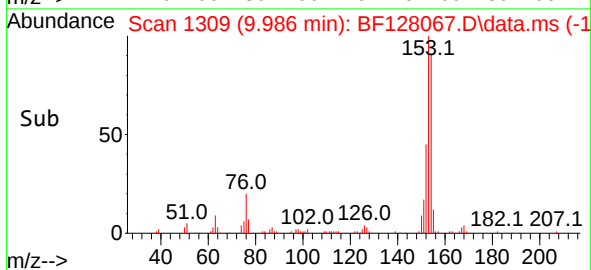
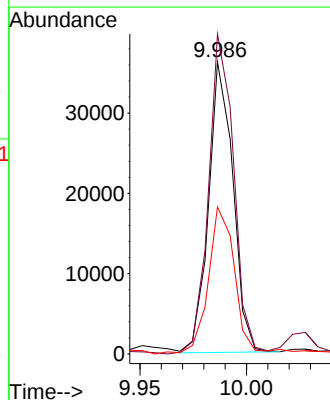
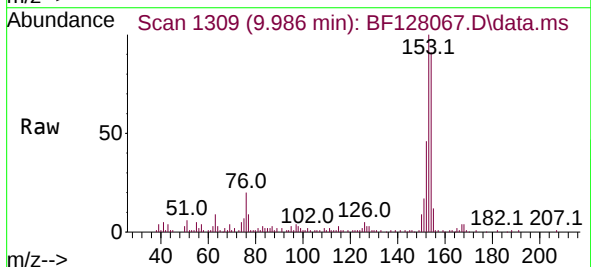
Instrument :
BNA_F
ClientSampleId :
22L097-DRE

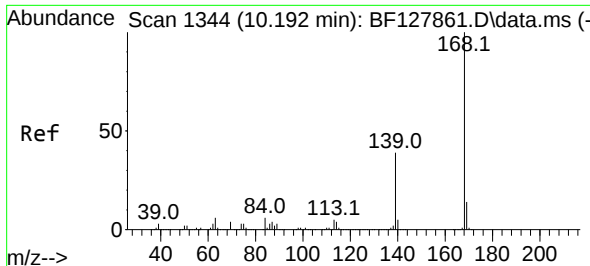
Tgt Ion:172 Resp: 856353
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.4 19.1 28.7



#52
Acenaphthene
Concen: 2.717 ng
RT: 9.986 min Scan# 1309
Delta R.T. -0.012 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

Tgt Ion:154 Resp: 28723
Ion Ratio Lower Upper
154 100
153 109.6 90.5 135.7
152 50.4 41.0 61.6

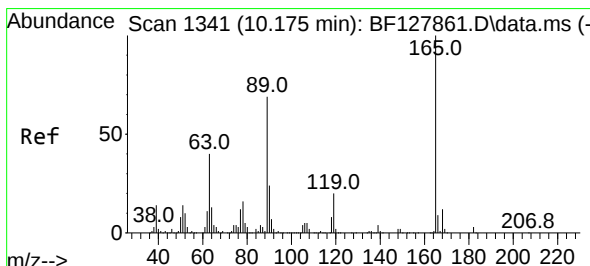
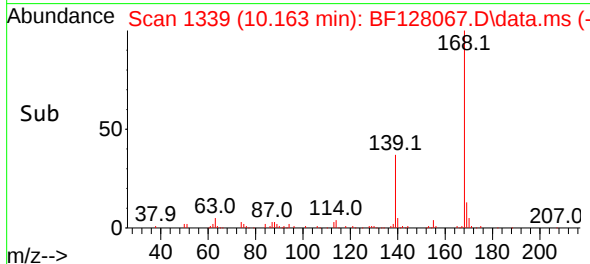
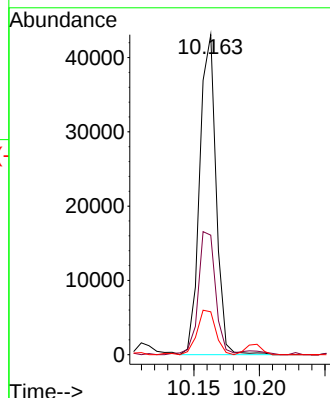
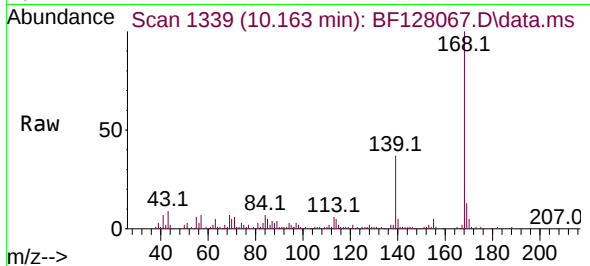




#55
Dibenzenofuran
Concen: 2.465 ng
RT: 10.163 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

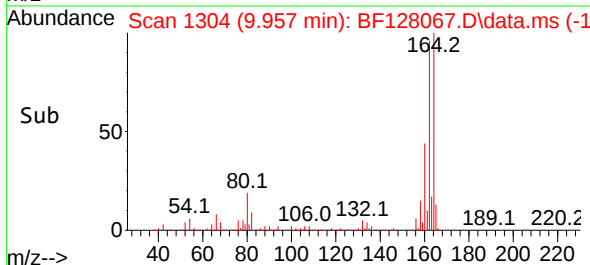
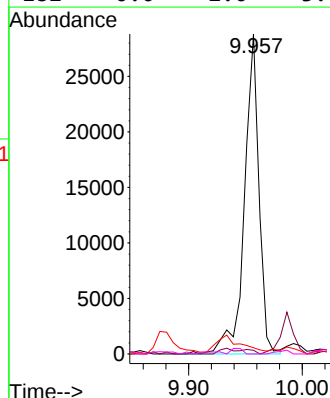
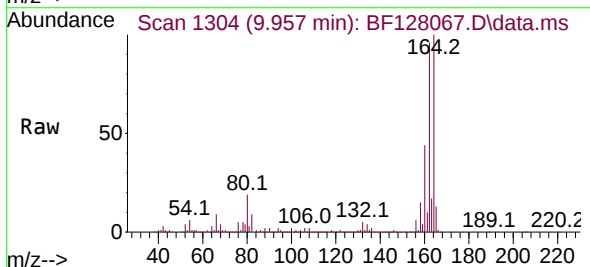
Instrument :
BNA_F
ClientSampleId :
22L097-DRE

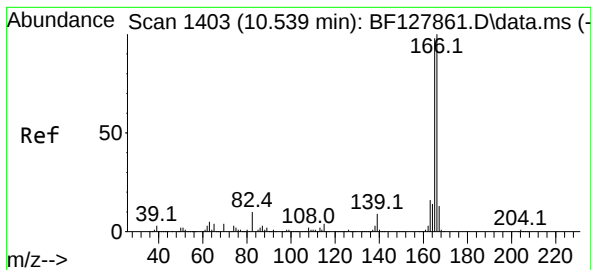
Tgt Ion:168 Resp: 37592
Ion Ratio Lower Upper
168 100
139 37.3 31.7 47.5
169 13.4 10.9 16.3



#57
2,4-Dinitrotoluene
Concen: 7.339 ng
RT: 9.957 min Scan# 1304
Delta R.T. -0.200 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

Tgt Ion:165 Resp: 25731
Ion Ratio Lower Upper
165 100
63 1.2 32.6 49.0#
89 2.0 55.2 82.8#
182 0.0 2.0 3.0#





#58

Fluorene

Concen: 2.920 ng

RT: 10.504 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF128067.D

Acq: 04 May 2022 13:00

Instrument :

BNA_F

ClientSampleId :

22L097-DRE

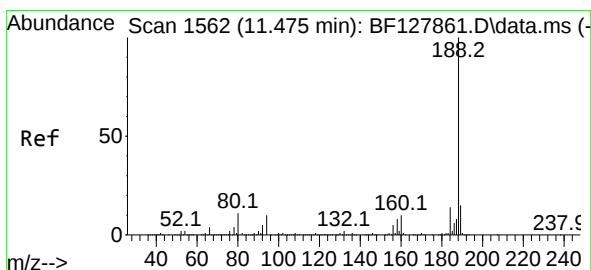
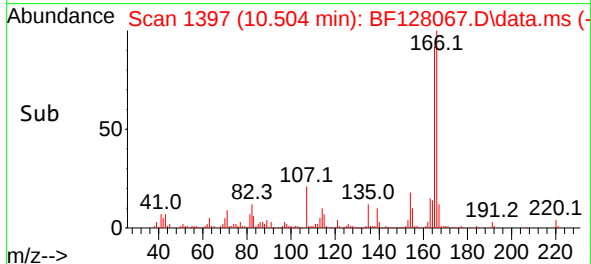
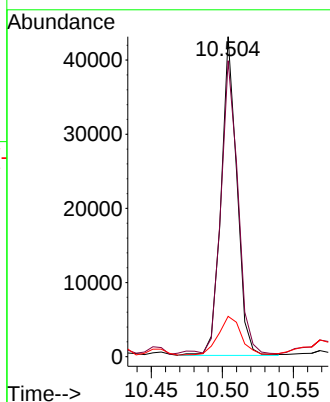
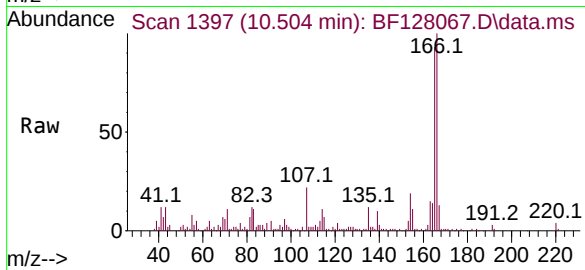
Tgt Ion:166 Resp: 33231

Ion Ratio Lower Upper

166 100

165 92.5 78.6 117.8

167 12.6 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1558

Delta R.T. -0.006 min

Lab File: BF128067.D

Acq: 04 May 2022 13:00

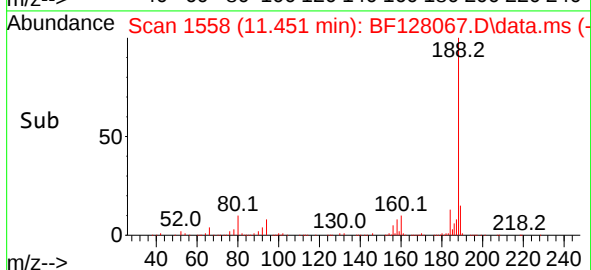
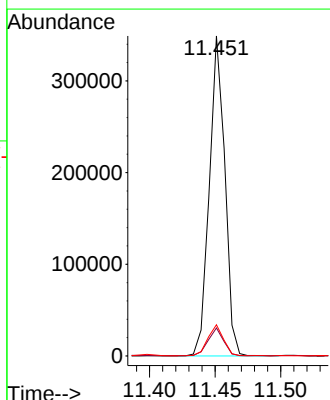
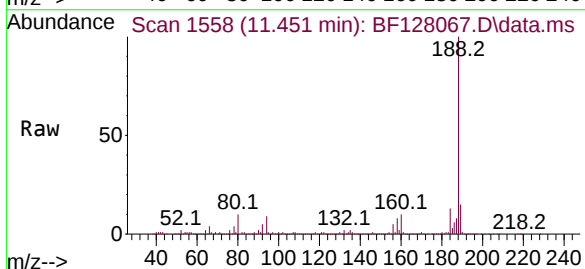
Tgt Ion:188 Resp: 288021

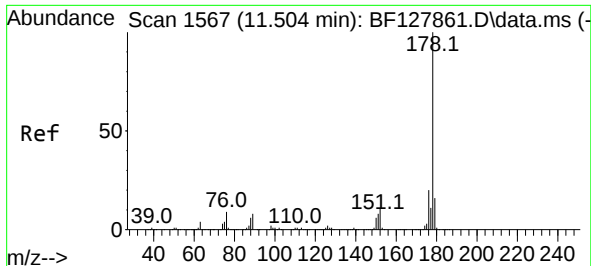
Ion Ratio Lower Upper

188 100

94 8.8 8.0 12.0

80 9.8 8.9 13.3

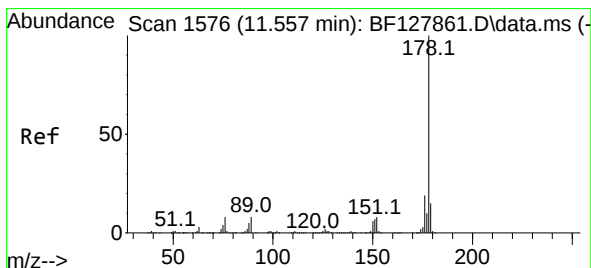
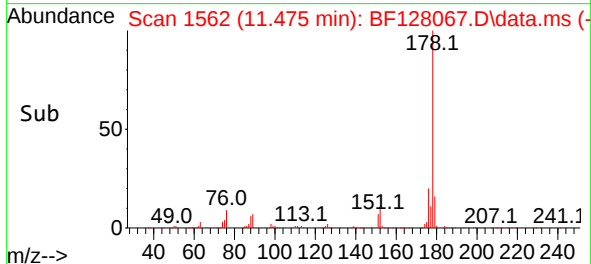
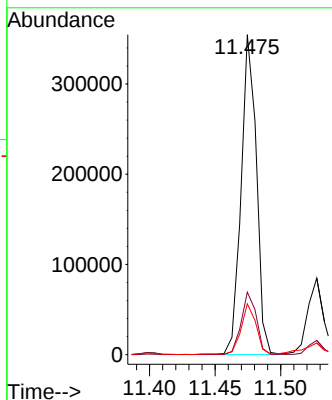
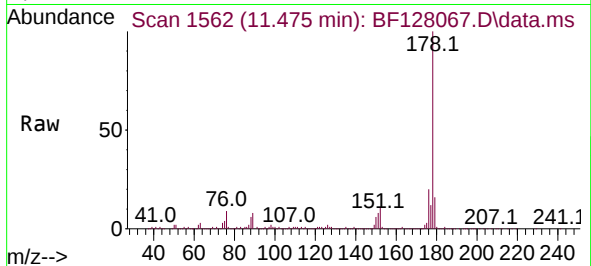




#71
Phenanthrene
Concen: 19.117 ng
RT: 11.475 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

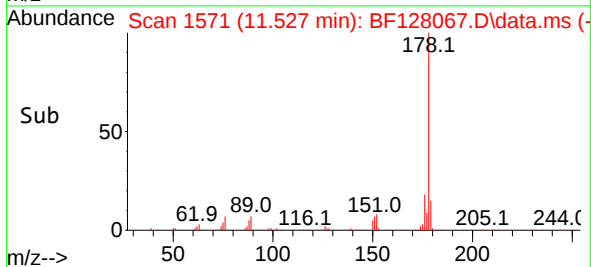
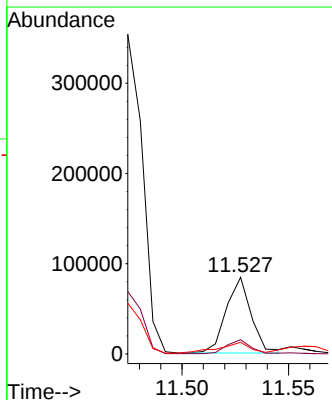
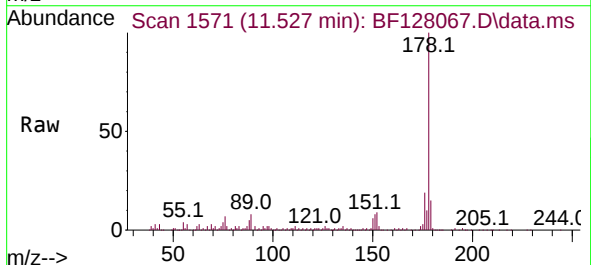
Instrument :
BNA_F
ClientSampleId :
22L097-DRE

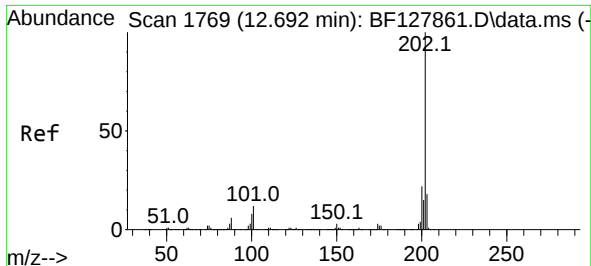
Tgt Ion:178 Resp: 288217
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.9 12.6 19.0



#72
Anthracene
Concen: 4.572 ng
RT: 11.527 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

Tgt Ion:178 Resp: 68671
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.2 12.4 18.6

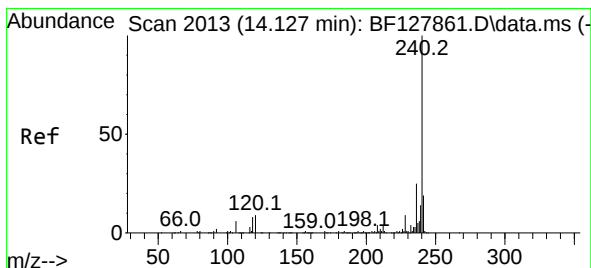
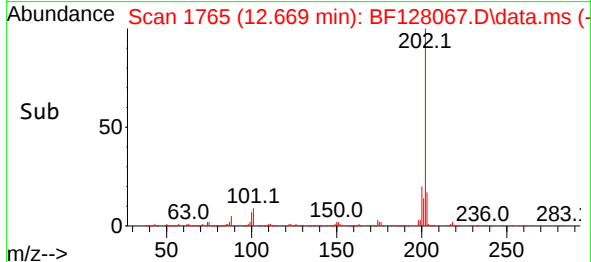
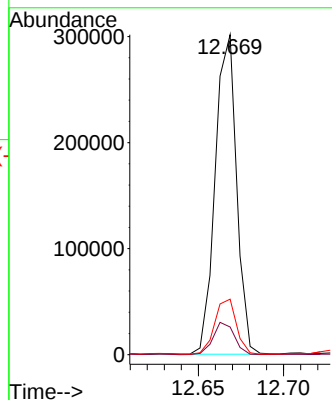
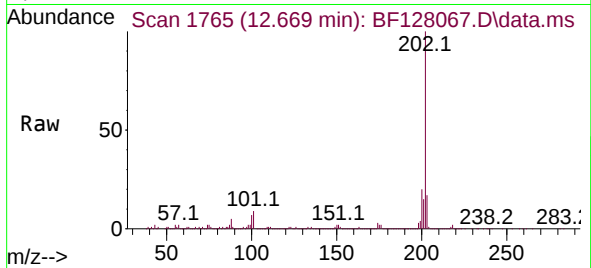




#75
Fluoranthene
Concen: 16.587 ng
RT: 12.669 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

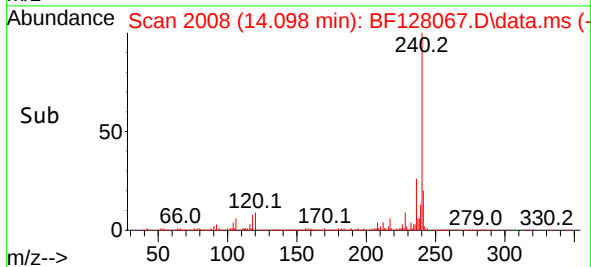
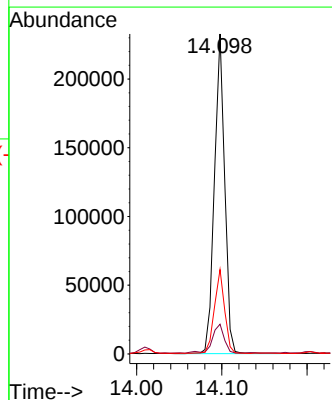
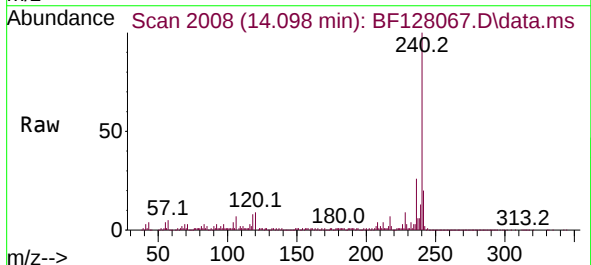
Instrument :
BNA_F
ClientSampleId :
22L097-DRE

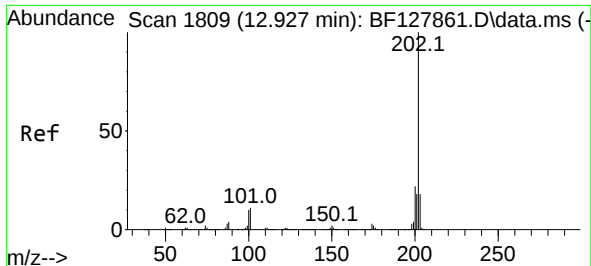
Tgt Ion:202 Resp: 263200
Ion Ratio Lower Upper
202 100
101 8.7 0.0 31.6
203 17.3 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

Tgt Ion:240 Resp: 195531
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.6
236 26.4 20.3 30.5

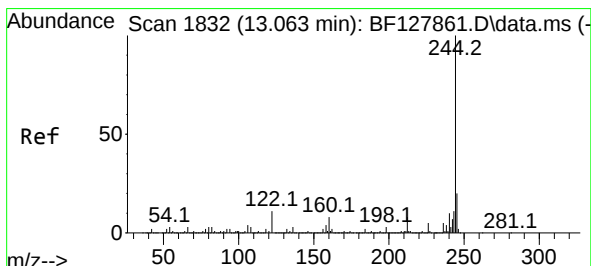
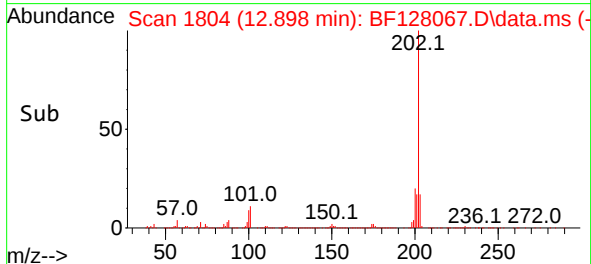
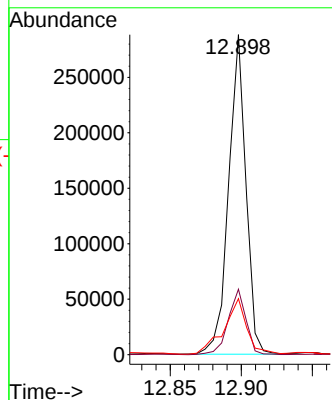
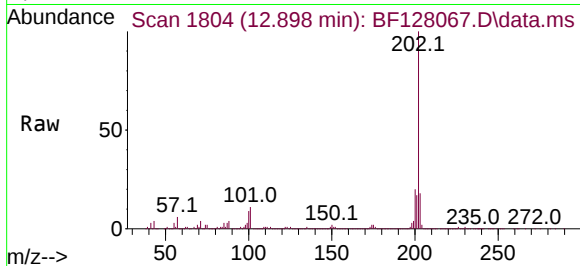




#78
 Pyrene
 Concen: 15.467 ng
 RT: 12.898 min Scan# 1804
 Delta R.T. -0.006 min
 Lab File: BF128067.D
 Acq: 04 May 2022 13:00

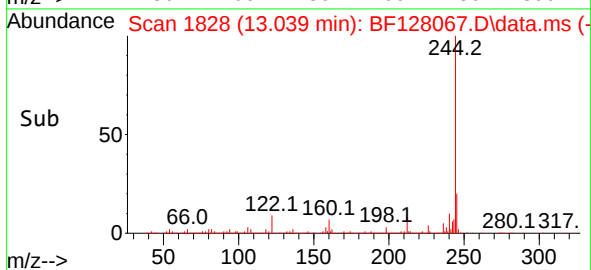
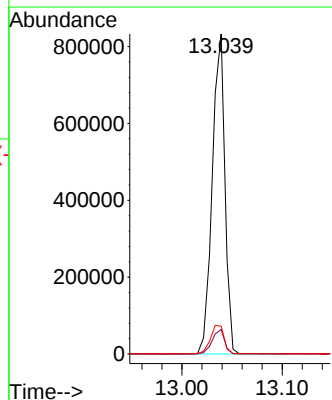
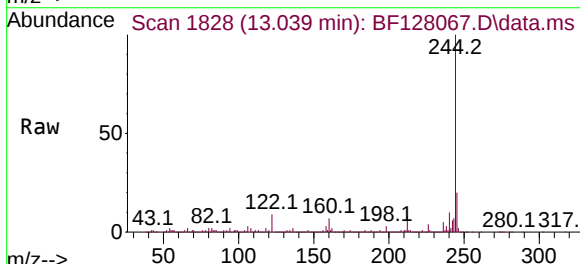
Instrument :
 BNA_F
 ClientSampleId :
 22L097-DRE

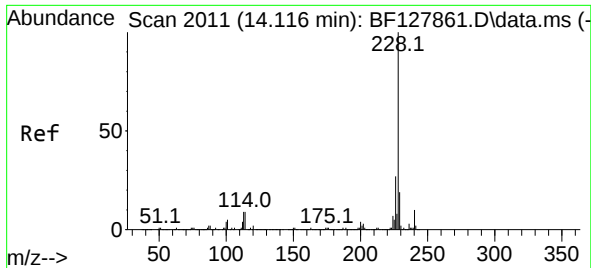
Tgt Ion:202 Resp: 244138
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.4 26.2
 203 17.5 14.0 21.0



#79
 Terphenyl-d14
 Concen: 68.469 ng
 RT: 13.039 min Scan# 1828
 Delta R.T. -0.006 min
 Lab File: BF128067.D
 Acq: 04 May 2022 13:00

Tgt Ion:244 Resp: 732154
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.4
 122 8.7 8.6 12.8

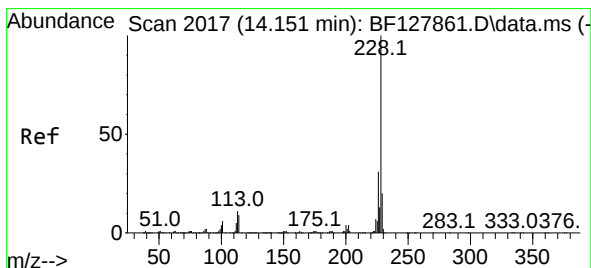
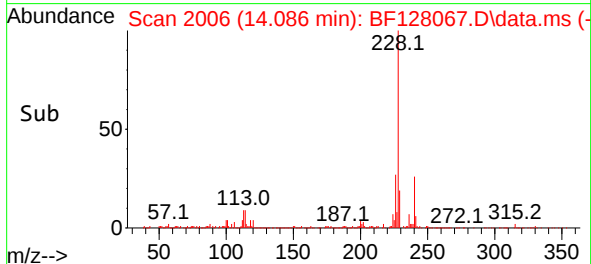
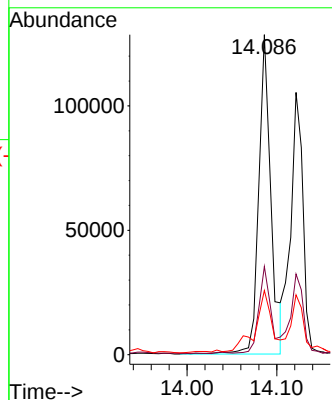
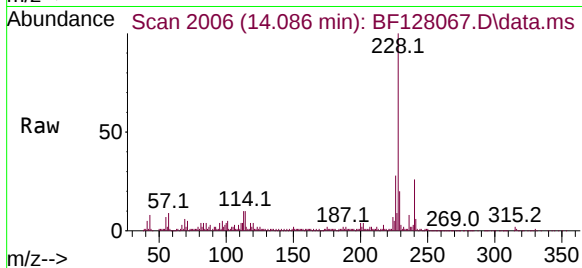




#81
Benzo(a)anthracene
Concen: 9.245 ng
RT: 14.086 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

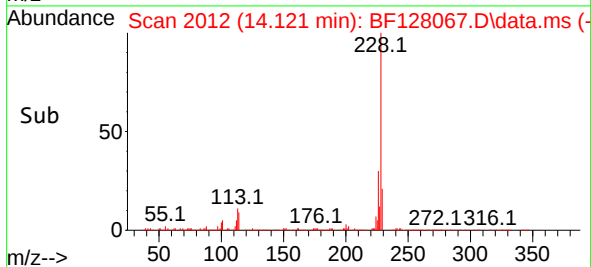
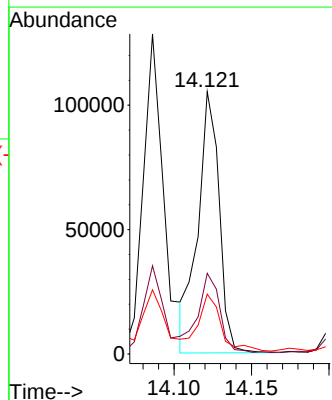
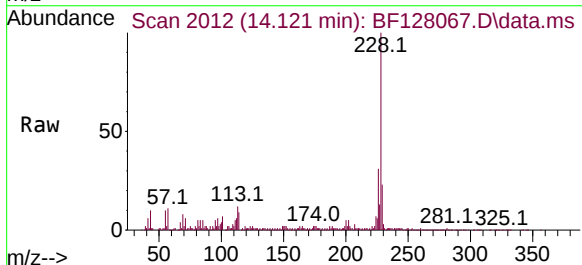
Instrument :
BNA_F
ClientSampleId :
22L097-DRE

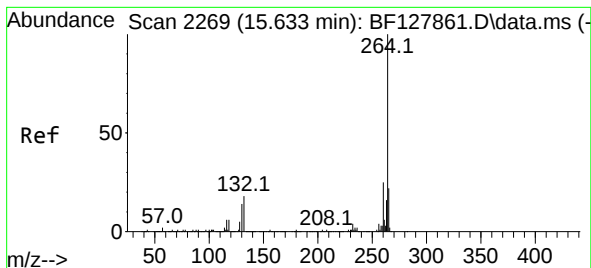
Tgt Ion:228 Resp: 120492
Ion Ratio Lower Upper
228 100
226 27.6 21.7 32.5
229 20.1 15.4 23.2



#83
Chrysene
Concen: 8.066 ng
RT: 14.121 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

Tgt Ion:228 Resp: 100391
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 22.8 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.610 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF128067.D

Acq: 04 May 2022 13:00

Instrument :

BNA_F

ClientSampleId :

22L097-DRE

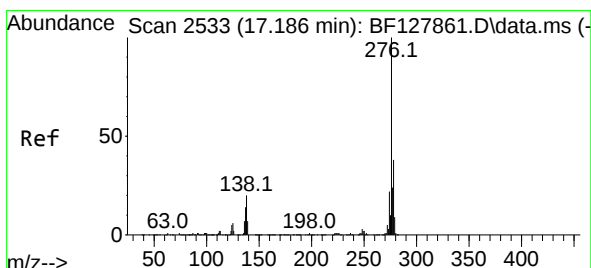
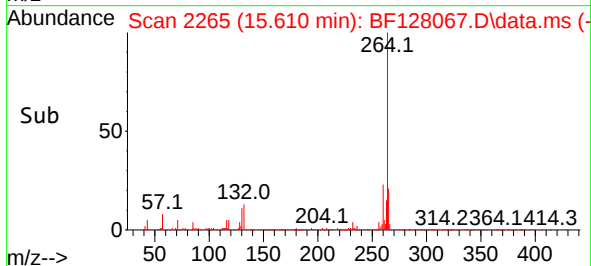
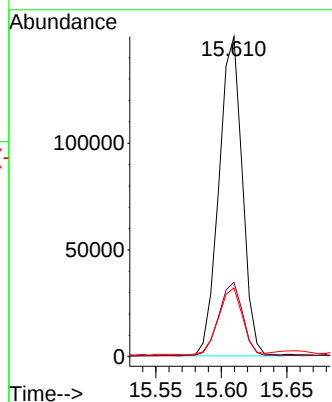
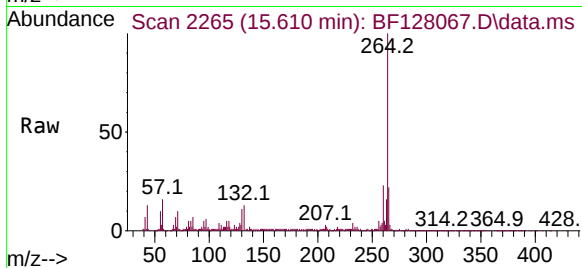
Tgt Ion:264 Resp: 184951

Ion Ratio Lower Upper

264 100

260 23.2 20.1 30.1

265 21.5 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.045 ng

RT: 17.139 min Scan# 2525

Delta R.T. -0.024 min

Lab File: BF128067.D

Acq: 04 May 2022 13:00

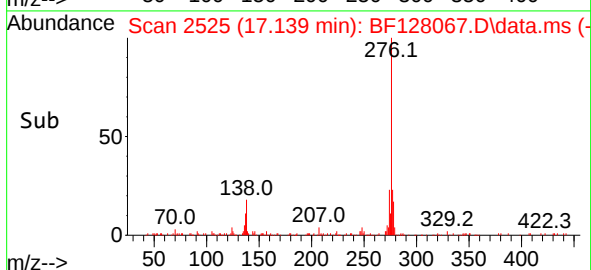
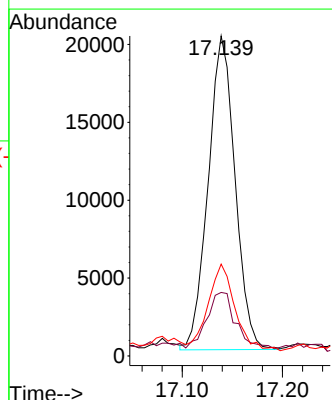
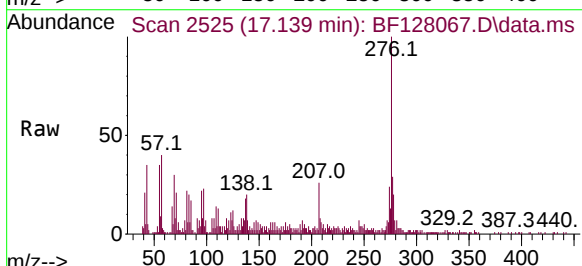
Tgt Ion:276 Resp: 37586

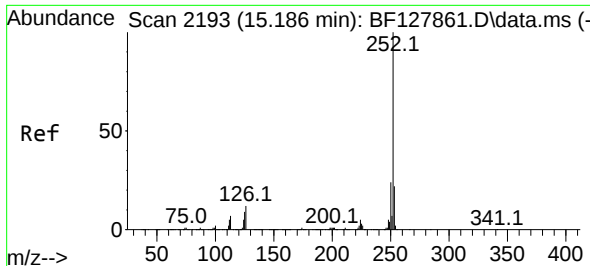
Ion Ratio Lower Upper

276 100

138 19.2 19.0 28.4

277 27.6 20.1 30.1

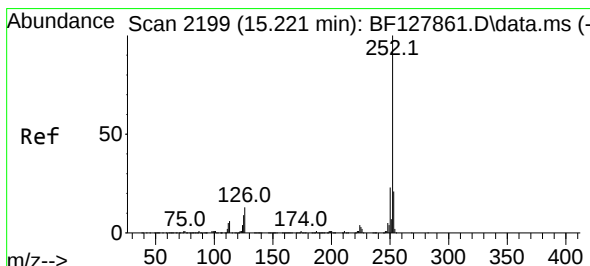
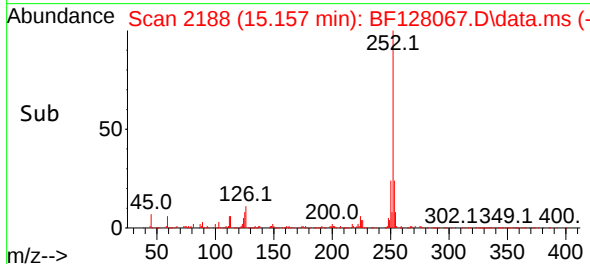
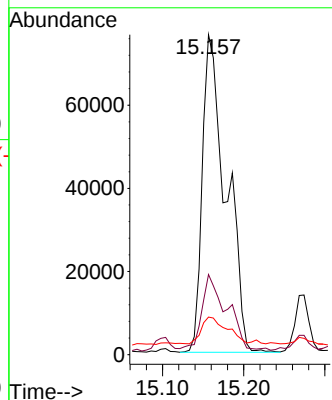
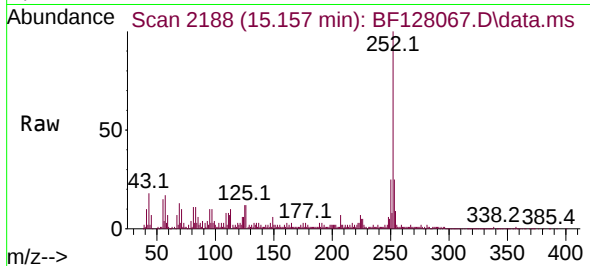




#88
Benzo(b)fluoranthene
Concen: 13.334 ng
RT: 15.157 min Scan# 2188
Delta R.T. -0.012 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

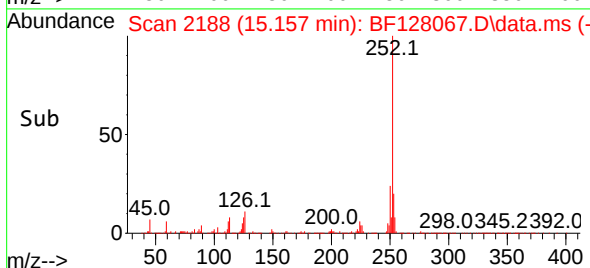
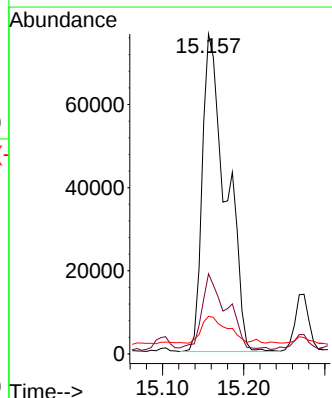
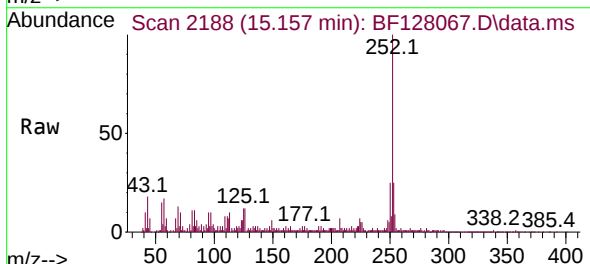
Instrument :
BNA_F
ClientSampleId :
22L097-DRE

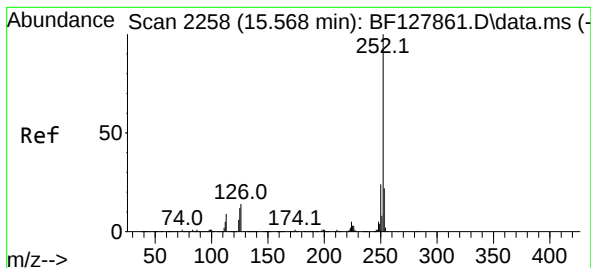
Tgt Ion:252 Resp: 154891
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.2
125 11.7 7.4 11.2#



#89
Benzo(k)fluoranthene
Concen: 13.235 ng
RT: 15.157 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

Tgt Ion:252 Resp: 154891
Ion Ratio Lower Upper
252 100
253 25.0 17.0 25.4
125 11.7 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 8.335 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF128067.D

Acq: 04 May 2022 13:00

Instrument :

BNA_F

ClientSampleId :

22L097-DRE

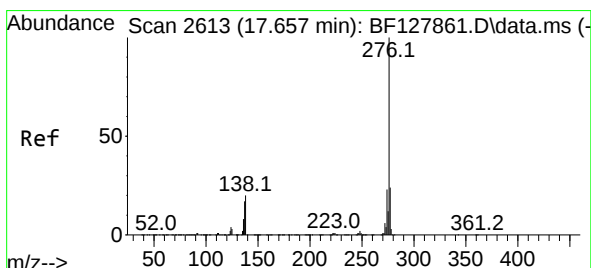
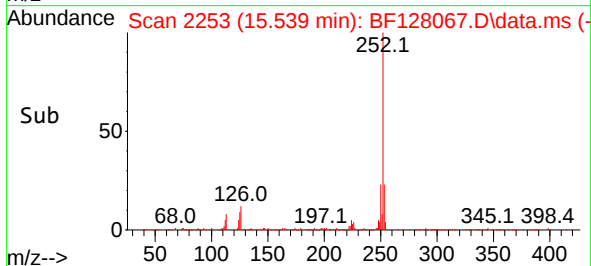
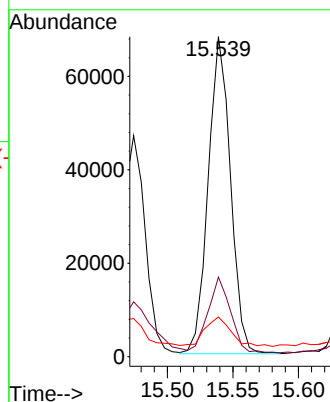
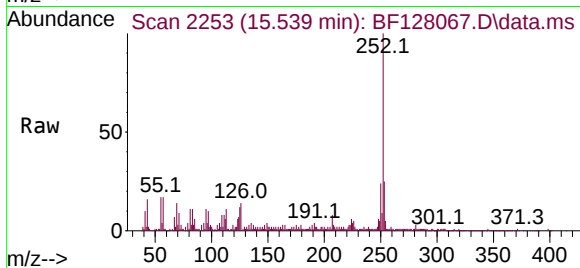
Tgt Ion:252 Resp: 80317

Ion Ratio Lower Upper

252 100

253 24.9 17.8 26.6

125 12.4 9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 3.436 ng

RT: 17.609 min Scan# 2605

Delta R.T. -0.024 min

Lab File: BF128067.D

Acq: 04 May 2022 13:00

Tgt Ion:276 Resp: 35855

Ion Ratio Lower Upper

276 100

277 25.4 18.8 28.2

138 22.2 16.2 24.2

