

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060622\
 Data File : BF128708.D
 Acq On : 06 Jun 2022 20:56
 Operator : CG\JU
 Sample : N3206-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-060322

Quant Time: Jun 07 02:43:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 17:07:23 2022
 Response via : Initial Calibration

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

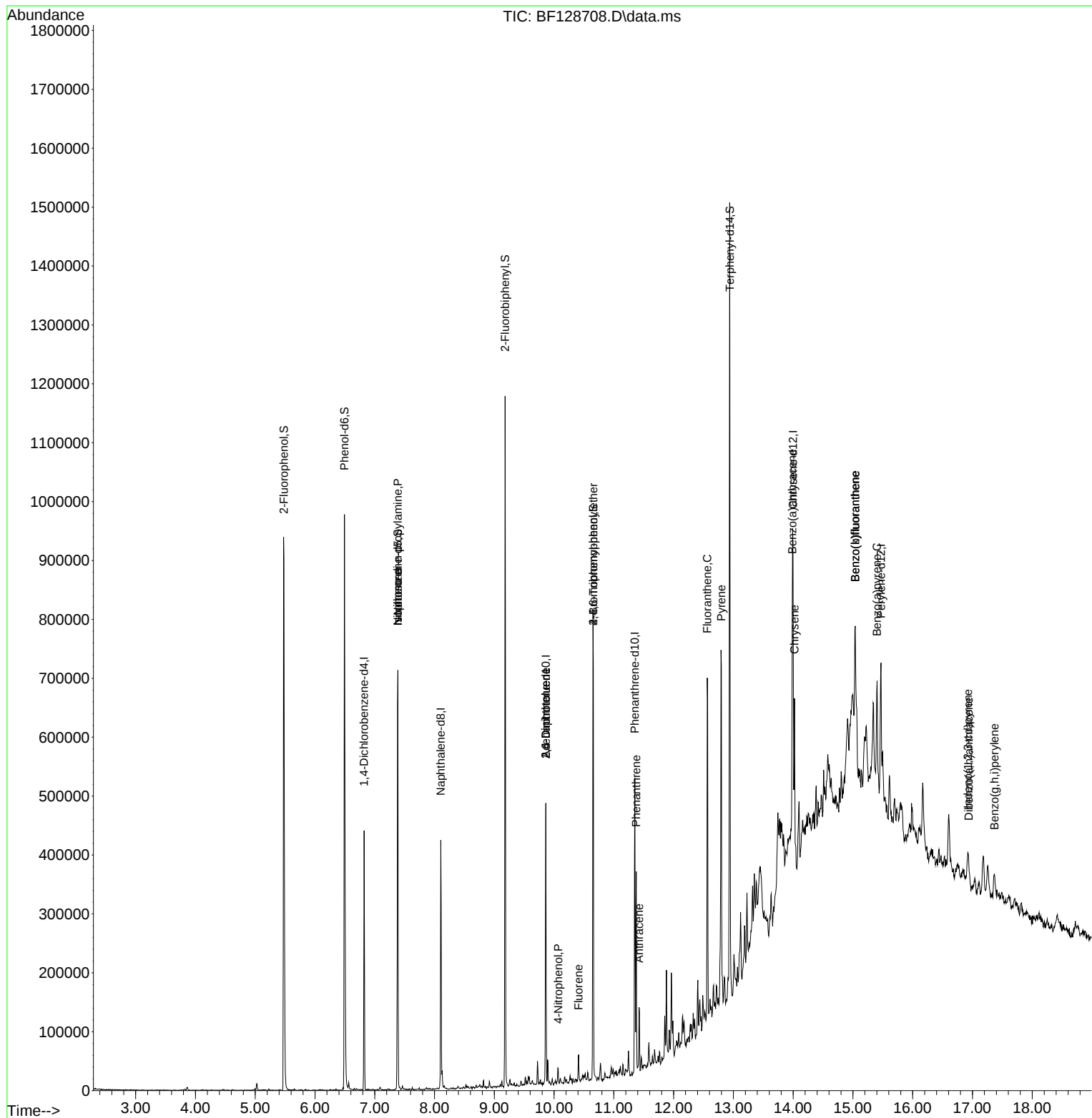
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	49949	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	158008	20.000	ng	# 0.00
39) Acenaphthene-d10	9.863	164	83477	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	168728	20.000	ng	# 0.00
76) Chrysene-d12	13.998	240	140690	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	104124	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	254960	81.305	ng	0.00
7) Phenol-d6	6.492	99	289978	75.755	ng	0.00
23) Nitrobenzene-d5	7.386	82	200231	59.000	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	84827	86.003	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	304374	51.076	ng	-0.01
79) Terphenyl-d14	12.939	244	392348	48.458	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.386	70	29027	12.196	ng	# 78
25) Isophorone	7.386	82	200226	38.846	ng	# 65
51) 2,6-Dinitrotoluene	9.863	165	11838	10.497	ng	# 27
56) 4-Nitrophenol	10.069	139	2978	3.357	ng	# 16
57) 2,4-Dinitrotoluene	9.863	165	11838	7.866	ng	# 23
58) Fluorene	10.410	166	12620	2.376	ng	97
67) 4-Bromophenyl-phenylether	10.657	248	5719	3.039	ng	# 1
71) Phenanthrene	11.374	178	111482	13.173	ng	98
72) Anthracene	11.422	178	39893	4.762	ng	97
75) Fluoranthene	12.563	202	233094	26.349	ng	97
78) Pyrene	12.798	202	257153	24.567	ng	97
81) Benzo(a)anthracene	13.986	228	119865	13.668	ng	93
83) Chrysene	14.021	228	100681	12.042	ng	97
87) Indeno(1,2,3-cd)pyrene	16.927	276	41341	6.587	ng	# 88
88) Benzo(b)fluoranthene	15.039	252	138050	20.749	ng	# 92
89) Benzo(k)fluoranthene	15.039	252	138050	22.057	ng	93
90) Benzo(a)pyrene	15.404	252	77692	14.857	ng	97
91) Dibenzo(a,h)anthracene	16.939	278	11135	2.139	ng	# 71
92) Benzo(g,h,i)perylene	17.368	276	41095	7.965	ng	95

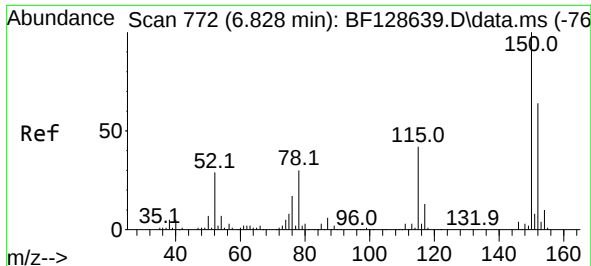
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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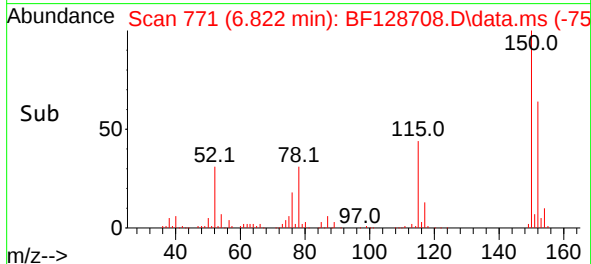
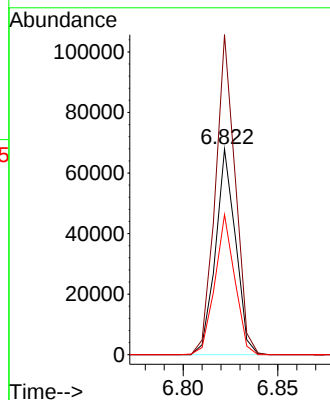
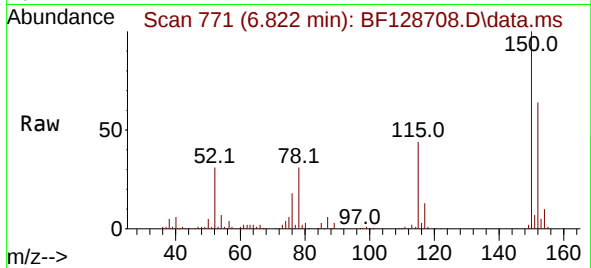




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128708.D
Acq: 06 Jun 2022 20:56

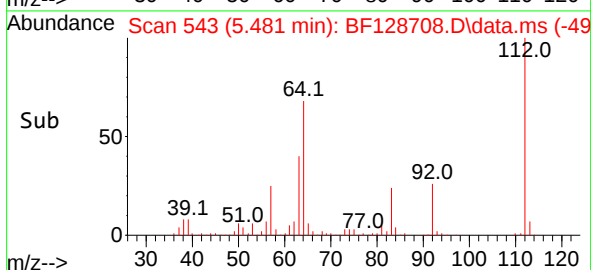
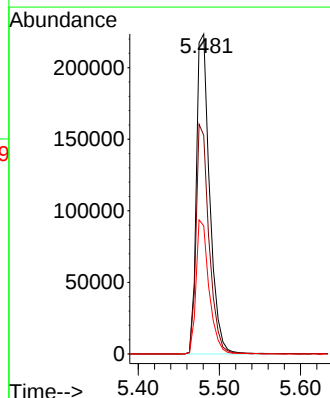
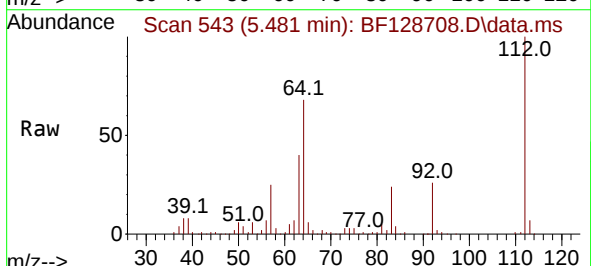
Instrument :
BNA_F
ClientSampleId :
CL-01-060322

Tgt Ion:152 Resp: 49949
Ion Ratio Lower Upper
152 100
150 155.7 123.7 185.5
115 68.1 49.9 74.9



#5
2-Fluorophenol
Concen: 81.305 ng
RT: 5.481 min Scan# 543
Delta R.T. 0.006 min
Lab File: BF128708.D
Acq: 06 Jun 2022 20:56

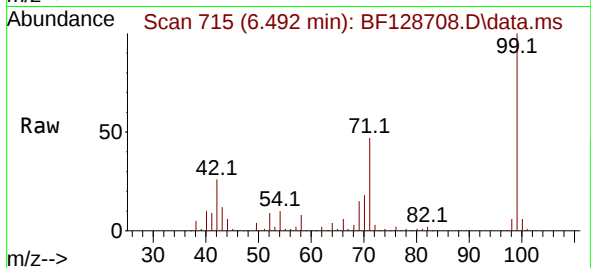
Tgt Ion:112 Resp: 254960
Ion Ratio Lower Upper
112 100
64 68.3 53.3 79.9
63 40.0 28.0 42.0



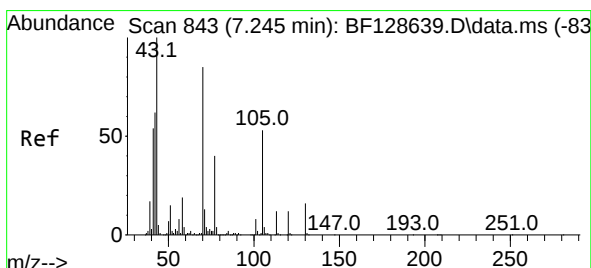
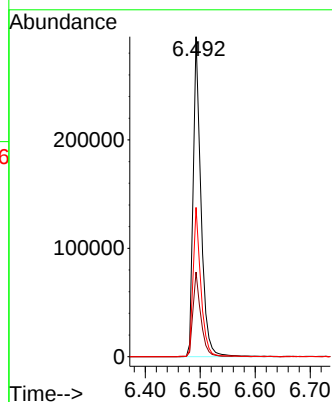
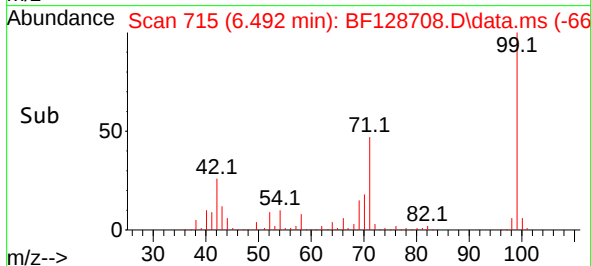


#7
Phenol-d6
Concen: 75.755 ng
RT: 6.492 min Scan# 715
Delta R.T. -0.006 min
Lab File: BF128708.D
Acq: 06 Jun 2022 20:56

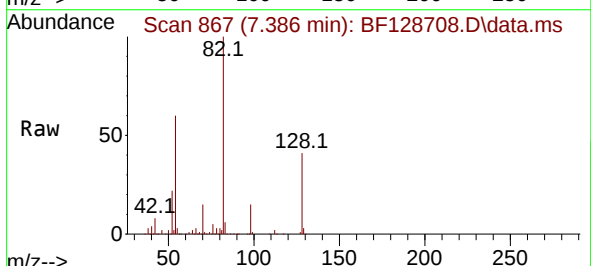
Instrument :
BNA_F
ClientSampleId :
CL-01-060322



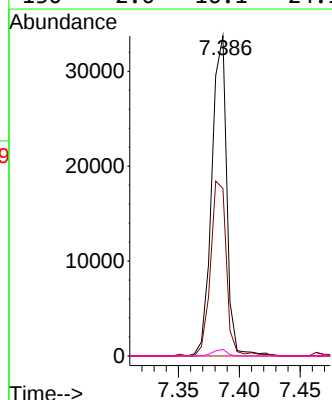
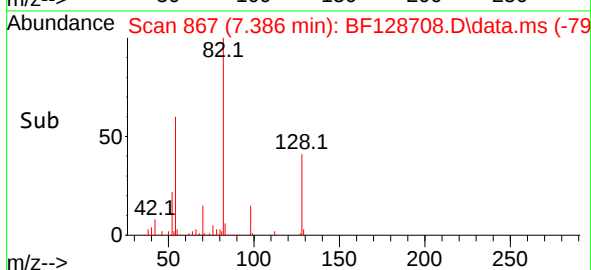
Tgt Ion: 99 Resp: 289978
Ion Ratio Lower Upper
99 100
42 26.5 17.3 25.9#
71 46.7 28.9 43.3#

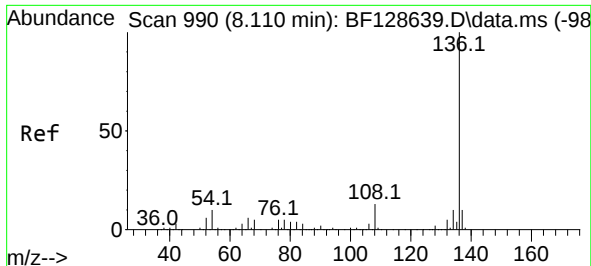


#19
n-Nitroso-di-n-propylamine
Concen: 12.196 ng
RT: 7.386 min Scan# 867
Delta R.T. 0.141 min
Lab File: BF128708.D
Acq: 06 Jun 2022 20:56



Tgt Ion: 70 Resp: 29027
Ion Ratio Lower Upper
70 100
42 52.4 52.3 78.5
101 0.0 7.5 11.3#
130 2.0 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.104 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF128708.D

Acq: 06 Jun 2022 20:56

Instrument :

BNA_F

ClientSampleId :

CL-01-060322

Tgt Ion:136 Resp: 158008

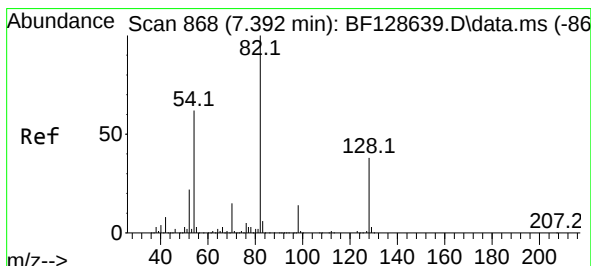
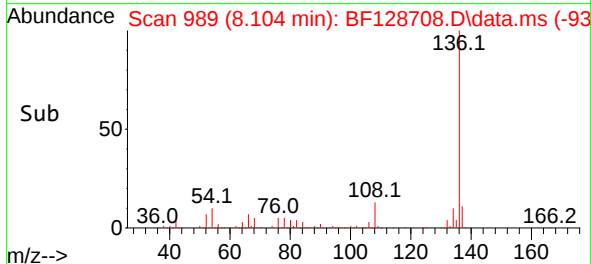
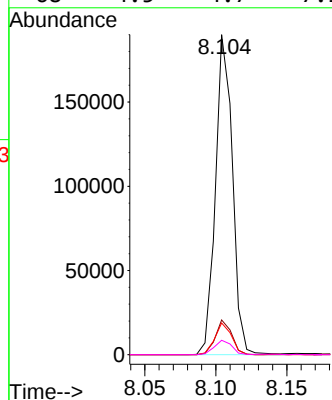
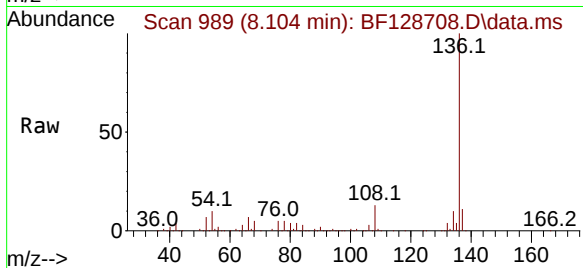
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 9.9 7.5 11.3

68 4.5 4.7 7.1#



#23

Nitrobenzene-d5

Concen: 59.000 ng

RT: 7.386 min Scan# 867

Delta R.T. -0.006 min

Lab File: BF128708.D

Acq: 06 Jun 2022 20:56

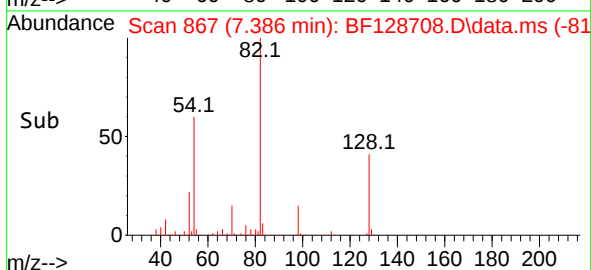
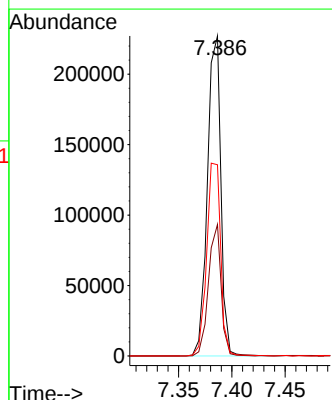
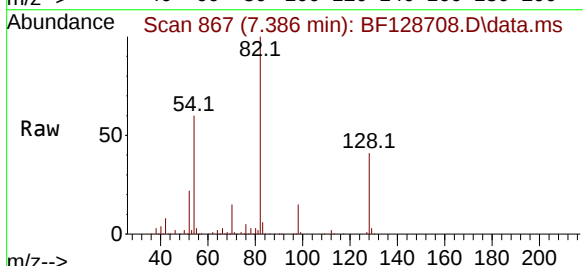
Tgt Ion: 82 Resp: 200231

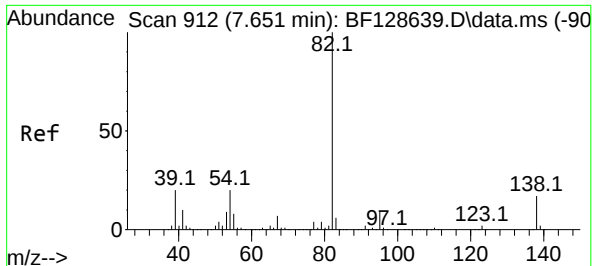
Ion Ratio Lower Upper

82 100

128 41.1 34.0 51.0

54 59.7 46.9 70.3

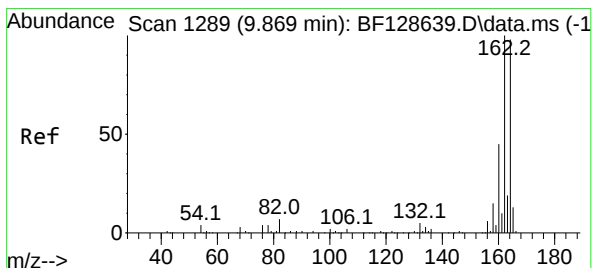
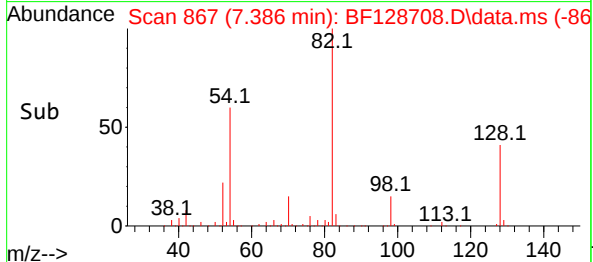
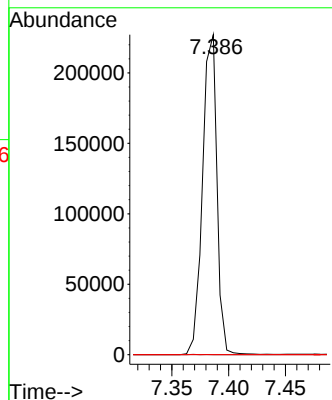
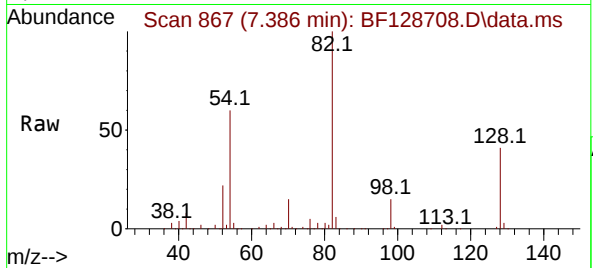




#25
Isophorone
Concen: 38.846 ng
RT: 7.386 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF128708.D
Acq: 06 Jun 2022 20:56

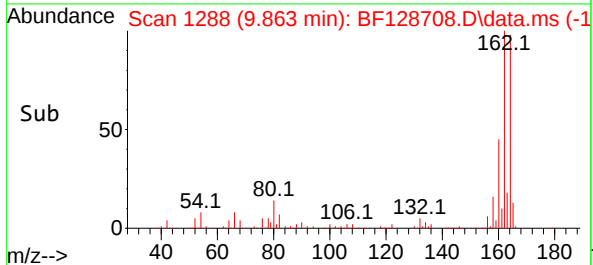
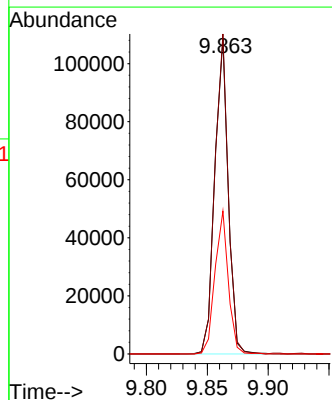
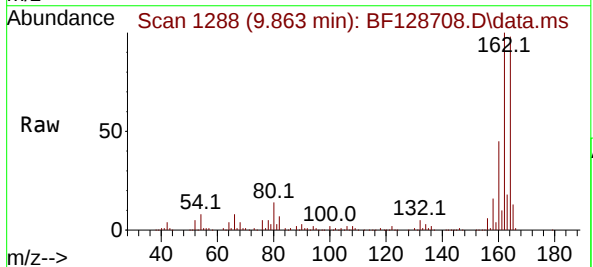
Instrument :
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ClientSampleId :
CL-01-060322

Tgt Ion: 82 Resp: 200226
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF128708.D
Acq: 06 Jun 2022 20:56

Tgt Ion:164 Resp: 83477
Ion Ratio Lower Upper
164 100
162 101.5 79.5 119.3
160 45.3 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 86.003 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF128708.D

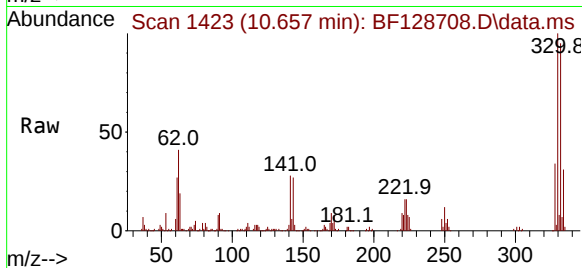
Acq: 06 Jun 2022 20:56

Instrument :

BNA_F

ClientSampleId :

CL-01-060322



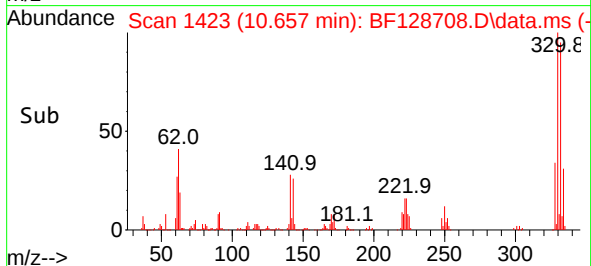
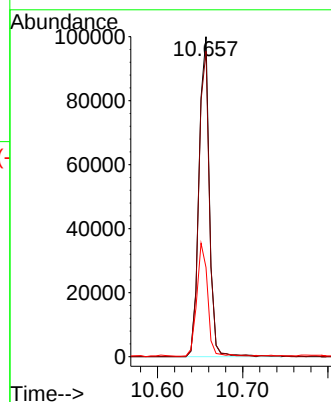
Tgt Ion:330 Resp: 84827

Ion Ratio Lower Upper

330 100

332 97.1 76.8 115.2

141 36.6 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 51.076 ng

RT: 9.180 min Scan# 1172

Delta R.T. -0.012 min

Lab File: BF128708.D

Acq: 06 Jun 2022 20:56

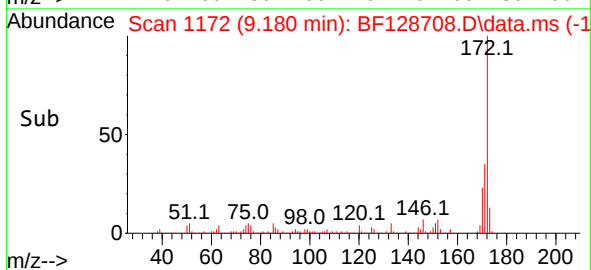
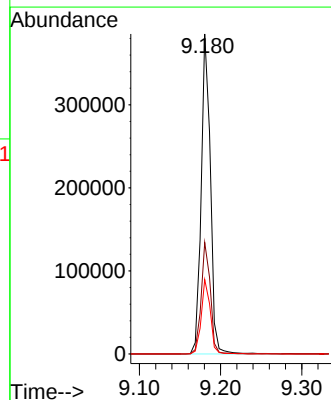
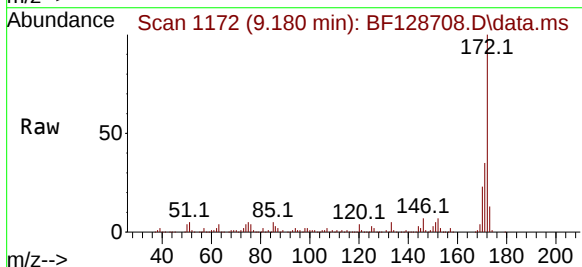
Tgt Ion:172 Resp: 304374

Ion Ratio Lower Upper

172 100

171 34.9 28.8 43.2

170 23.2 19.8 29.8

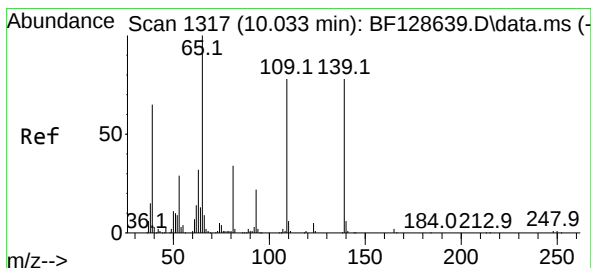
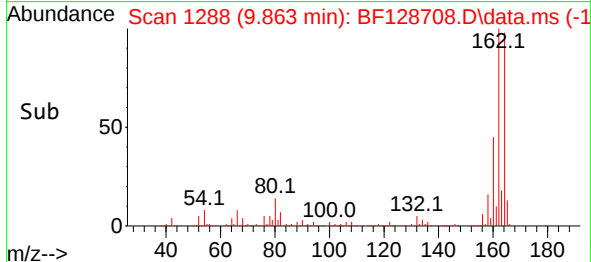
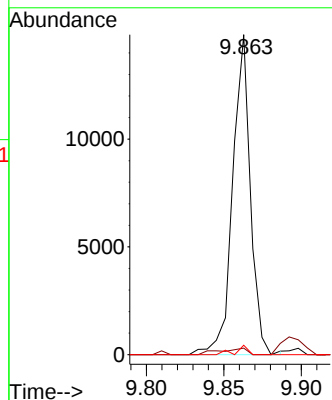
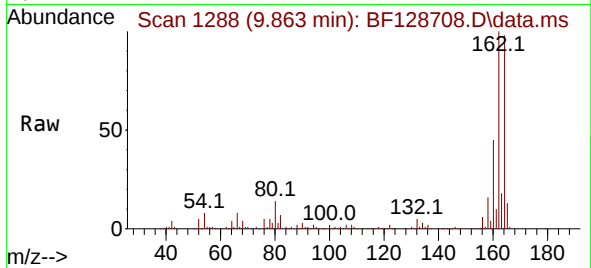




#51
2,6-Dinitrotoluene
Concen: 10.497 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF128708.D
Acq: 06 Jun 2022 20:56

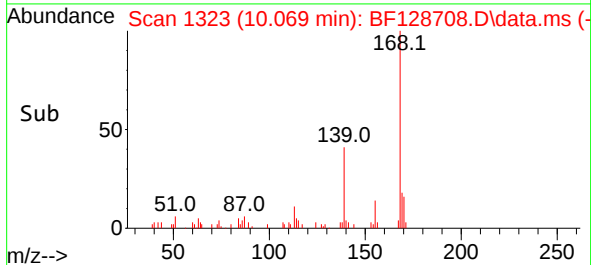
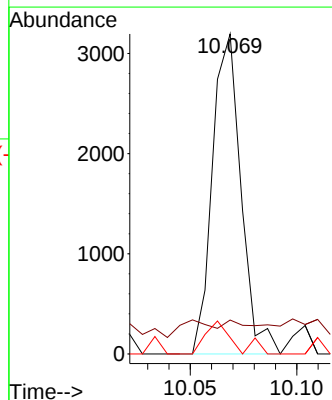
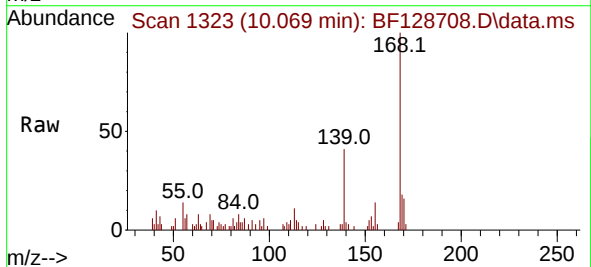
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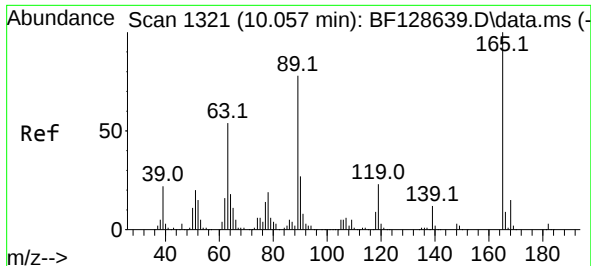
Tgt Ion:165 Resp: 11838
Ion Ratio Lower Upper
165 100
63 2.0 44.9 67.3#
89 3.0 43.6 65.4#



#56
4-Nitrophenol
Concen: 3.357 ng
RT: 10.069 min Scan# 1323
Delta R.T. 0.035 min
Lab File: BF128708.D
Acq: 06 Jun 2022 20:56

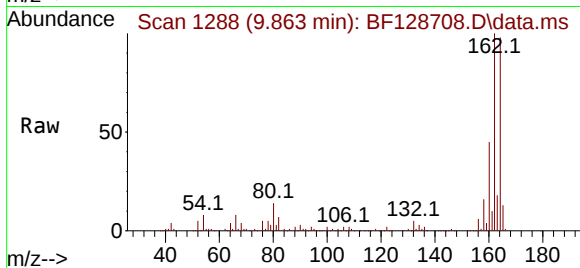
Tgt Ion:139 Resp: 2978
Ion Ratio Lower Upper
139 100
109 10.6 50.7 90.7#
65 5.1 74.5 114.5#



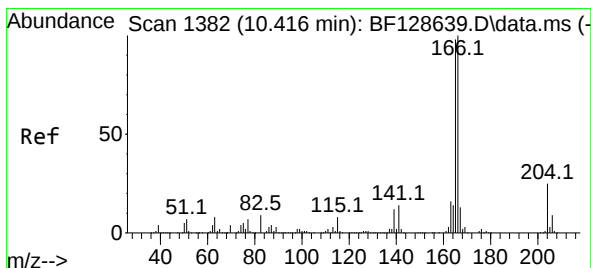
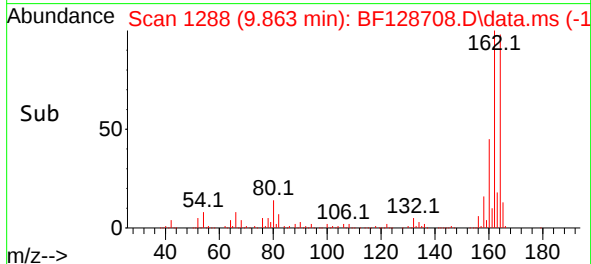
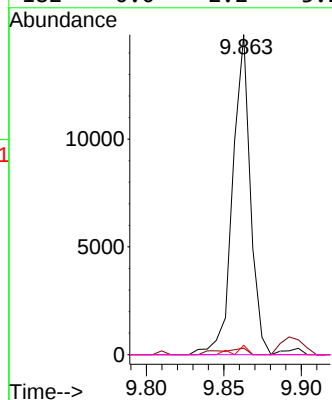


#57
2,4-Dinitrotoluene
Concen: 7.866 ng
RT: 9.863 min Scan# 11838
Delta R.T. -0.194 min
Lab File: BF128708.D
Acq: 06 Jun 2022 20:56

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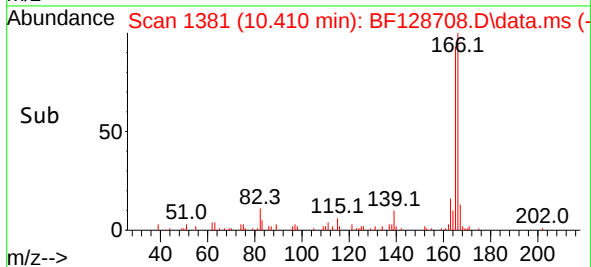
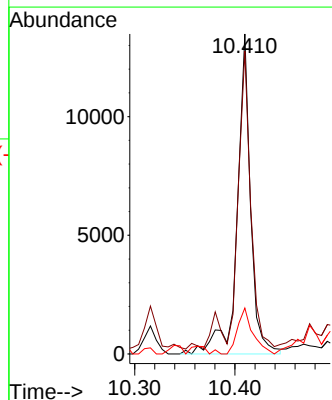
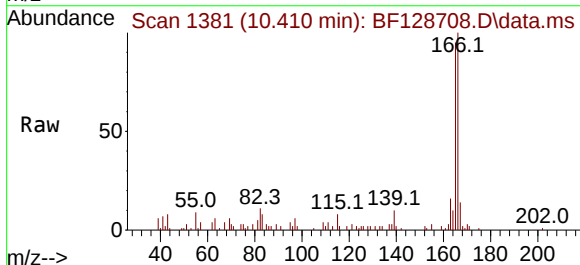


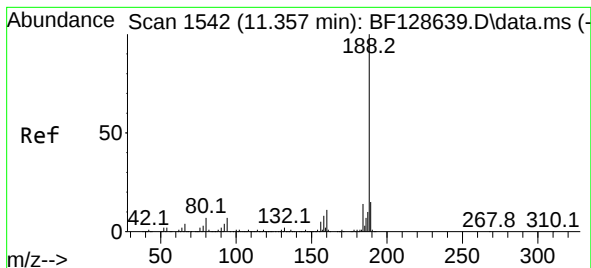
Tgt Ion:165 Resp: 11838
Ion Ratio Lower Upper
165 100
63 2.0 39.8 59.6#
89 3.0 60.2 90.2#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: 2.376 ng
RT: 10.410 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF128708.D
Acq: 06 Jun 2022 20:56

Tgt Ion:166 Resp: 12620
Ion Ratio Lower Upper
166 100
165 94.6 78.1 117.1
167 14.4 10.5 15.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128708.D

Acq: 06 Jun 2022 20:56

Instrument :

BNA_F

ClientSampleId :

CL-01-060322

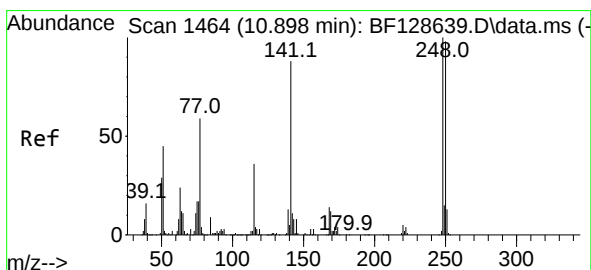
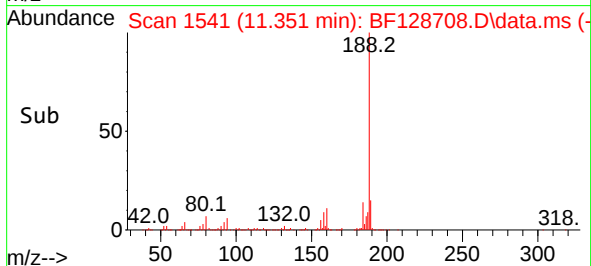
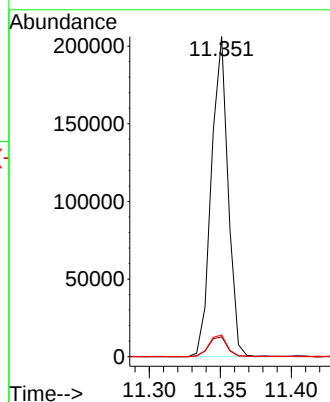
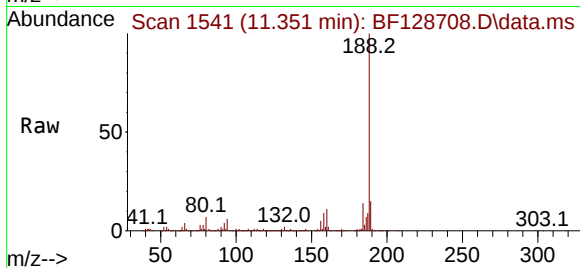
Tgt Ion:188 Resp: 168728

Ion Ratio Lower Upper

188 100

94 6.2 7.0 10.6#

80 6.8 7.6 11.4#



#67

4-Bromophenyl-phenylether

Concen: 3.039 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.241 min

Lab File: BF128708.D

Acq: 06 Jun 2022 20:56

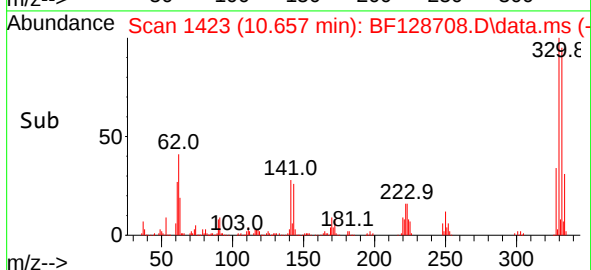
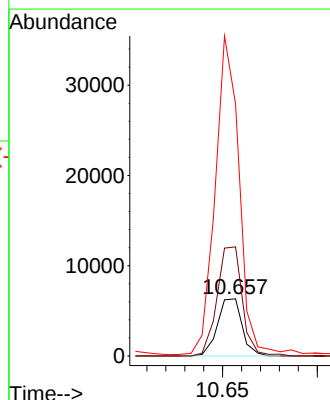
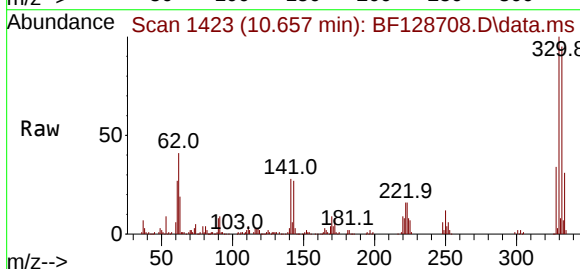
Tgt Ion:248 Resp: 5719

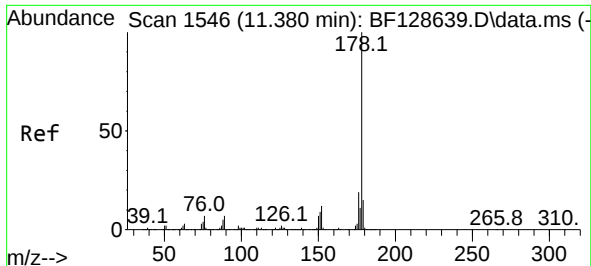
Ion Ratio Lower Upper

248 100

250 191.2 80.6 120.8#

141 441.6 58.9 88.3#

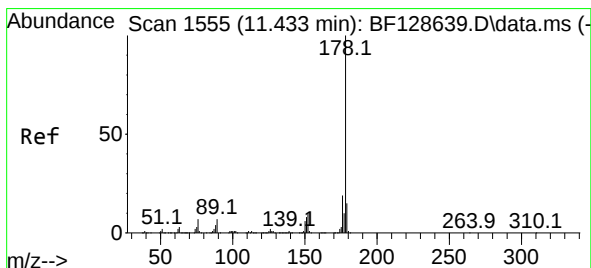
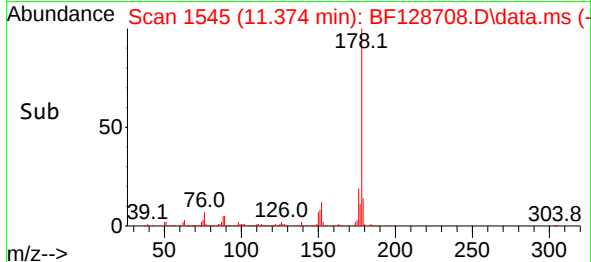
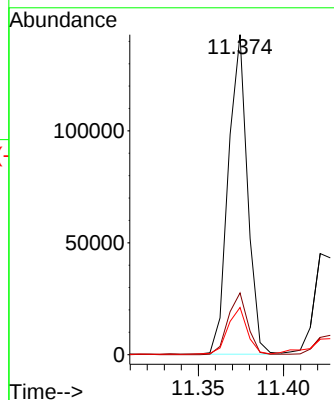
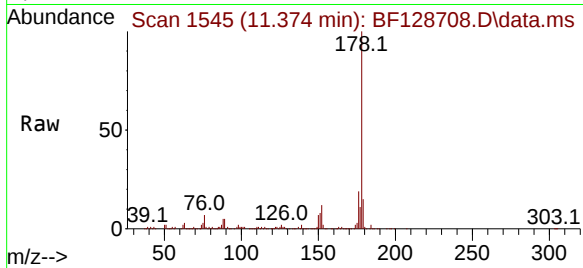




#71
Phenanthrene
Concen: 13.173 ng
RT: 11.374 min Scan# 111482
Delta R.T. -0.006 min
Lab File: BF128708.D
Acq: 06 Jun 2022 20:56

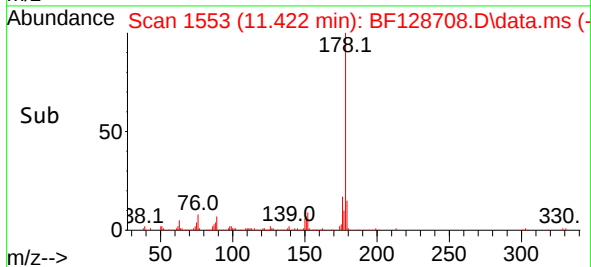
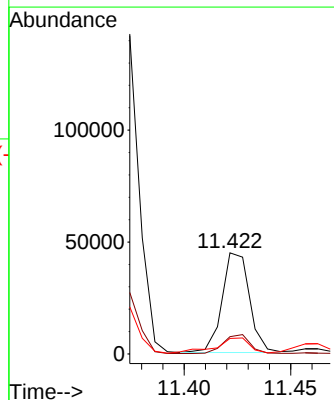
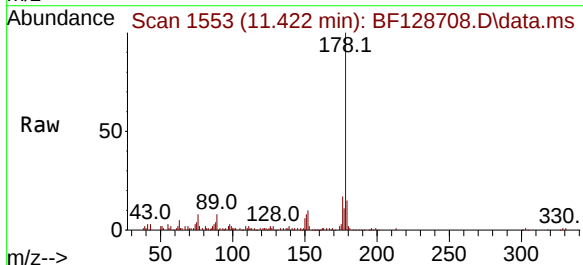
Instrument :
BNA_F
ClientSampleId :
CL-01-060322

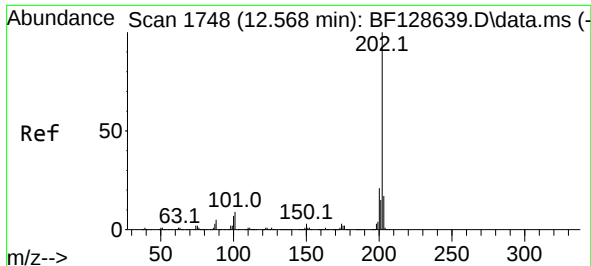
Tgt Ion:178 Resp: 111482
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 14.8 12.6 19.0



#72
Anthracene
Concen: 4.762 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BF128708.D
Acq: 06 Jun 2022 20:56

Tgt Ion:178 Resp: 39893
Ion Ratio Lower Upper
178 100
176 17.1 15.4 23.2
179 15.4 12.6 19.0

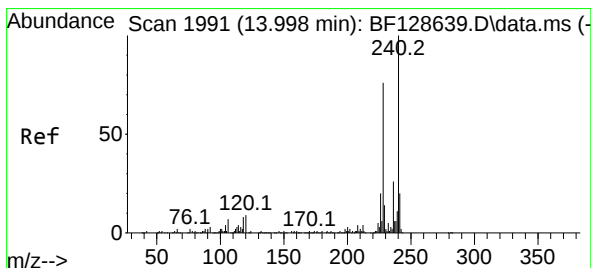
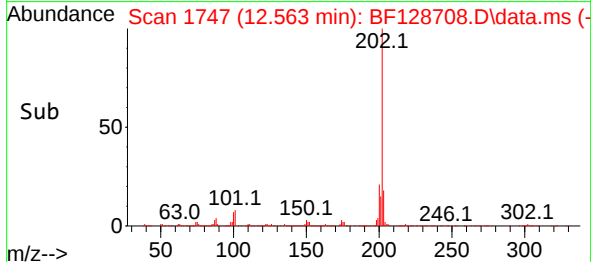
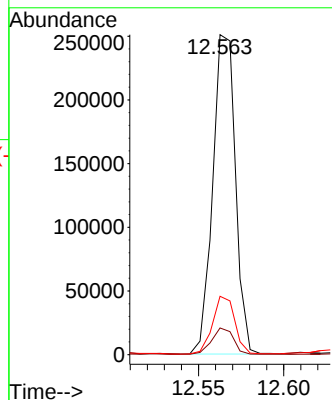
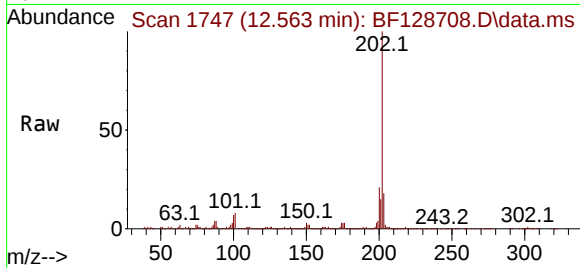




#75
Fluoranthene
Concen: 26.349 ng
RT: 12.563 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128708.D
Acq: 06 Jun 2022 20:56

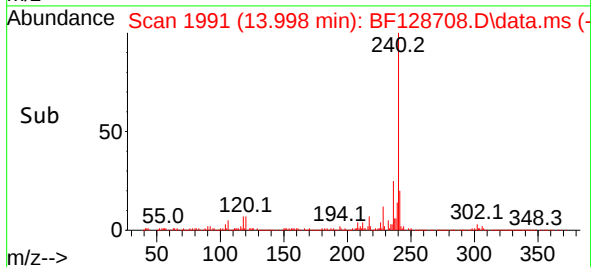
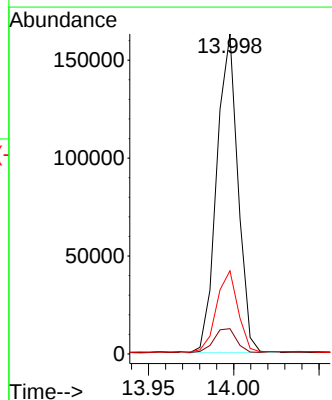
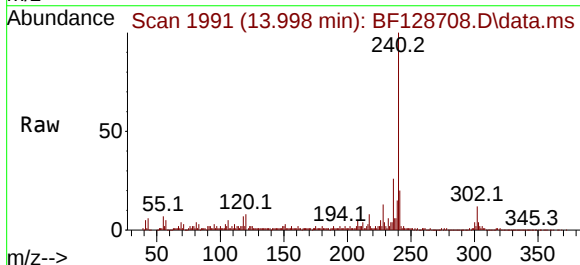
Instrument :
BNA_F
ClientSampleId :
CL-01-060322

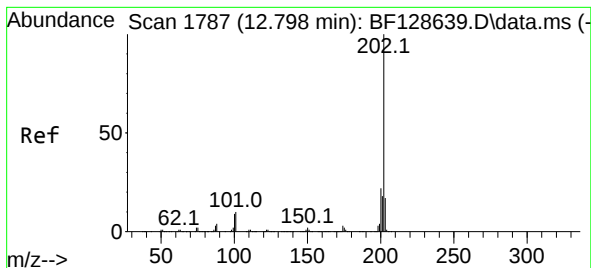
Tgt Ion:202 Resp: 233094
Ion Ratio Lower Upper
202 100
101 8.3 0.0 31.4
203 18.2 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BF128708.D
Acq: 06 Jun 2022 20:56

Tgt Ion:240 Resp: 140690
Ion Ratio Lower Upper
240 100
120 7.9 8.9 13.3#
236 26.0 20.8 31.2





#78

Pyrene

Concen: 24.567 ng

RT: 12.798 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF128708.D

Acq: 06 Jun 2022 20:56

Instrument :

BNA_F

ClientSampleId :

CL-01-060322

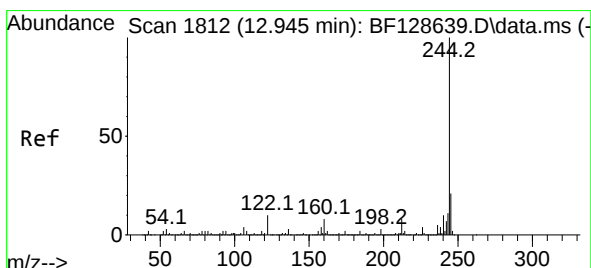
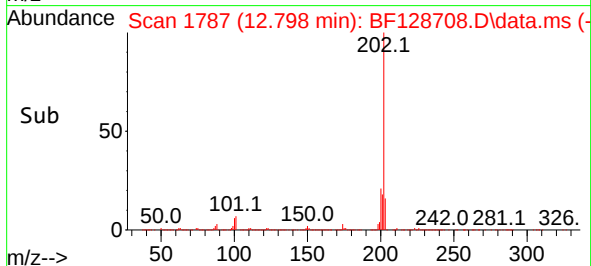
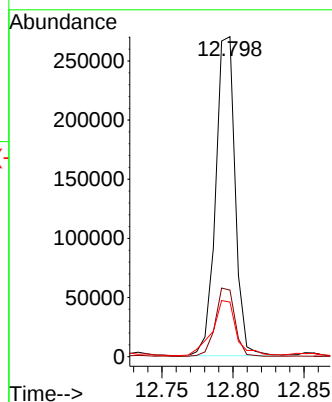
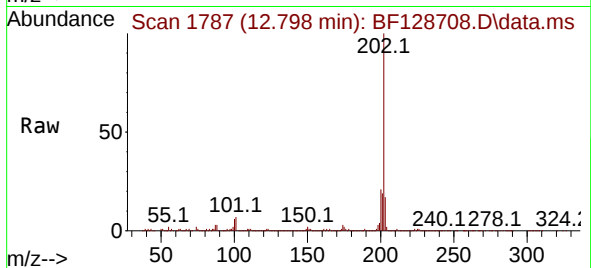
Tgt Ion:202 Resp: 257153

Ion Ratio Lower Upper

202 100

200 20.8 17.7 26.5

203 17.1 14.6 21.8



#79

Terphenyl-d14

Concen: 48.458 ng

RT: 12.939 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BF128708.D

Acq: 06 Jun 2022 20:56

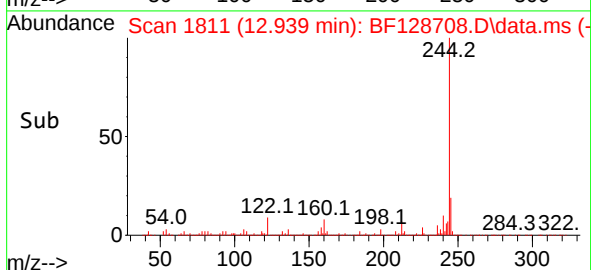
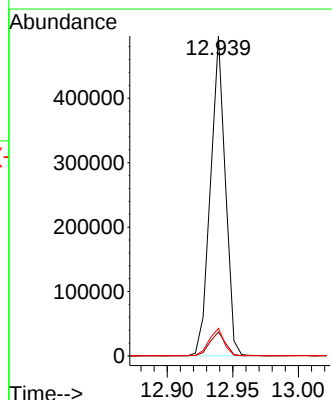
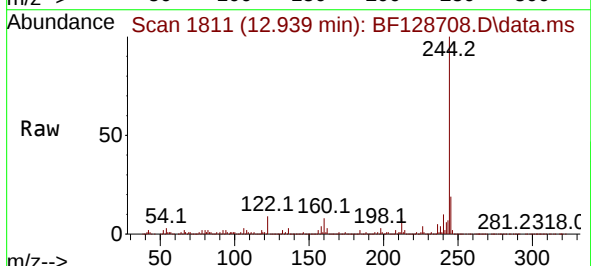
Tgt Ion:244 Resp: 392348

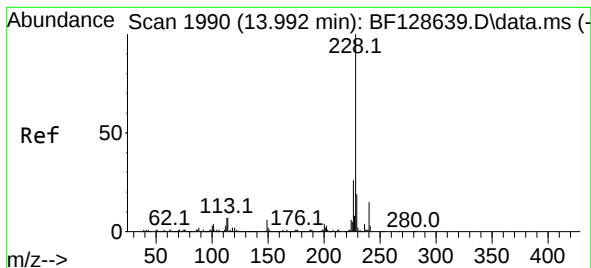
Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

122 8.7 8.8 13.2#





#81

Benzo(a)anthracene

Concen: 13.668 ng

RT: 13.986 min Scan# 1989

Delta R.T. -0.006 min

Lab File: BF128708.D

Acq: 06 Jun 2022 20:56

Instrument :

BNA_F

ClientSampleId :

CL-01-060322

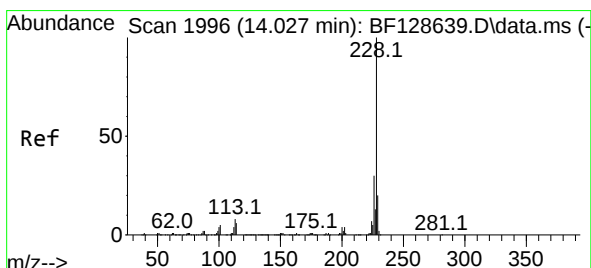
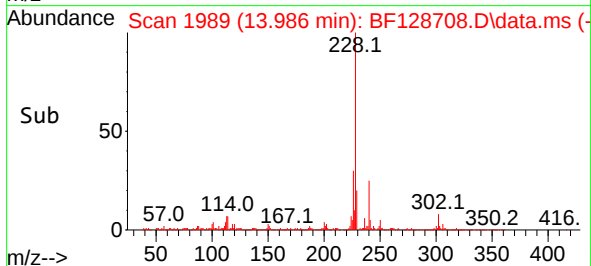
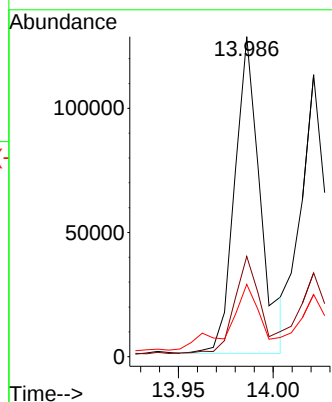
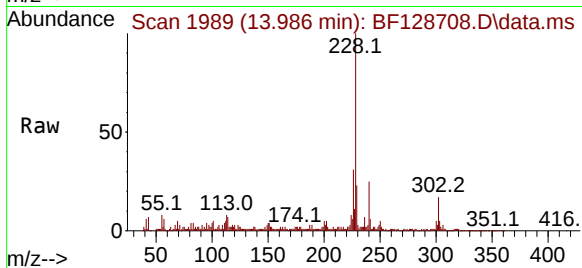
Tgt Ion:228 Resp: 119865

Ion Ratio Lower Upper

228 100

226 31.4 22.1 33.1

229 22.6 15.8 23.8



#83

Chrysene

Concen: 12.042 ng

RT: 14.021 min Scan# 1995

Delta R.T. -0.006 min

Lab File: BF128708.D

Acq: 06 Jun 2022 20:56

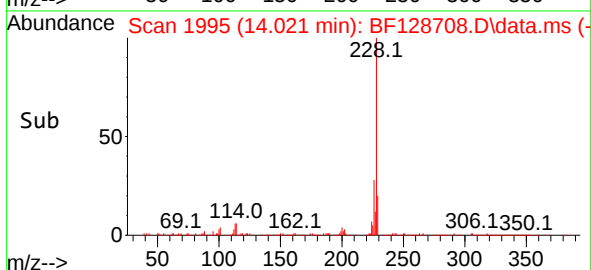
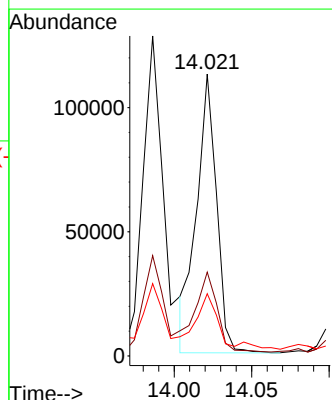
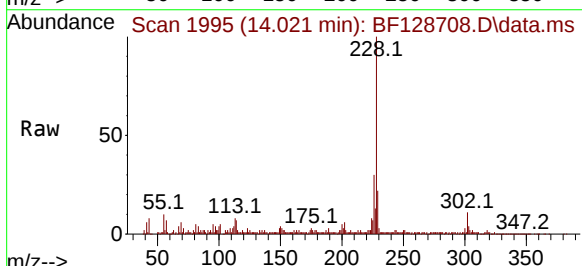
Tgt Ion:228 Resp: 100681

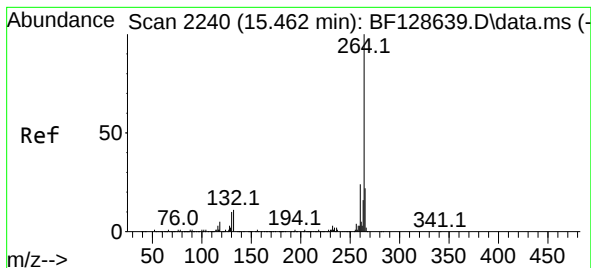
Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

229 22.1 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF128708.D

Acq: 06 Jun 2022 20:56

Instrument :

BNA_F

ClientSampleId :

CL-01-060322

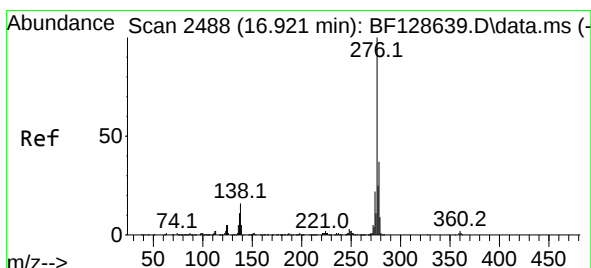
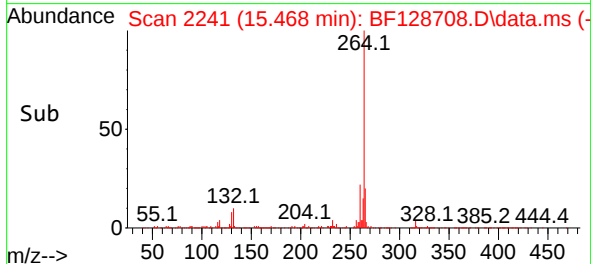
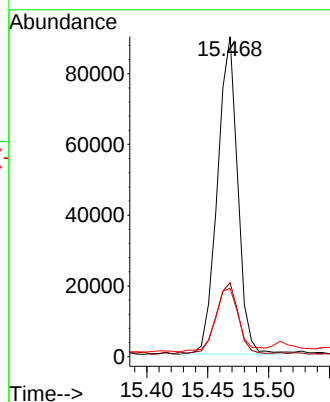
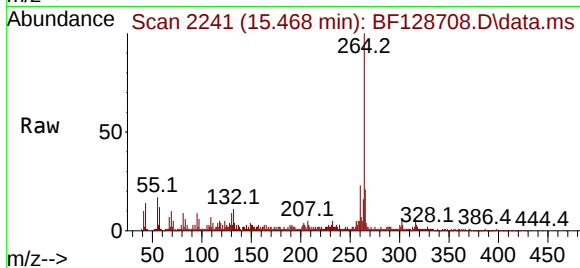
Tgt Ion:264 Resp: 104124

Ion Ratio Lower Upper

264 100

260 23.1 18.4 27.6

265 21.4 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.587 ng

RT: 16.927 min Scan# 2489

Delta R.T. 0.006 min

Lab File: BF128708.D

Acq: 06 Jun 2022 20:56

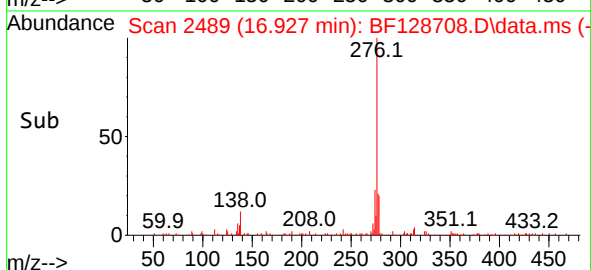
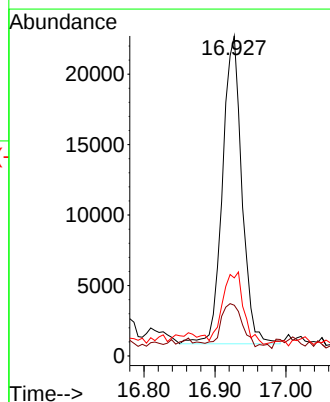
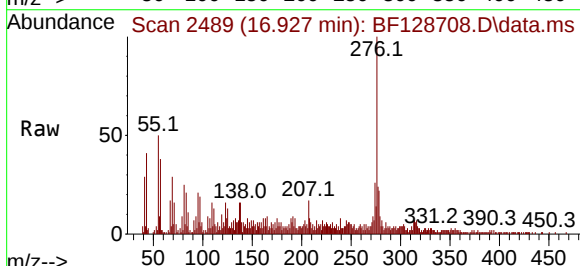
Tgt Ion:276 Resp: 41341

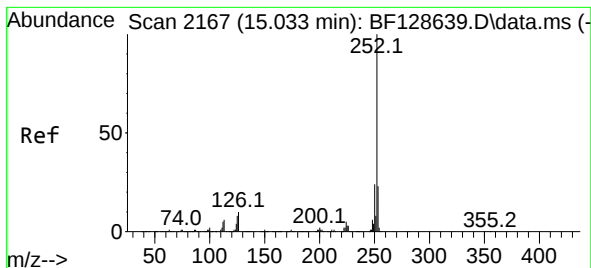
Ion Ratio Lower Upper

276 100

138 14.6 21.1 31.7#

277 25.2 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 20.749 ng

RT: 15.039 min Scan# 2167

Delta R.T. 0.006 min

Lab File: BF128708.D

Acq: 06 Jun 2022 20:56

Instrument :

BNA_F

ClientSampleId :

CL-01-060322

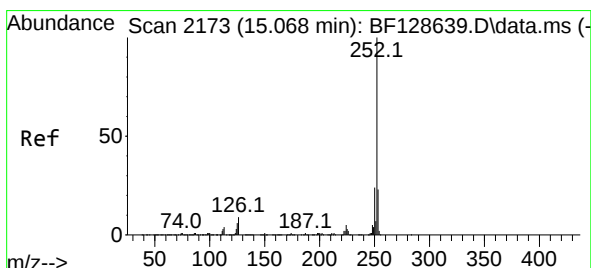
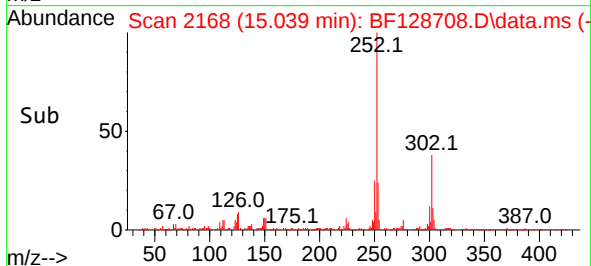
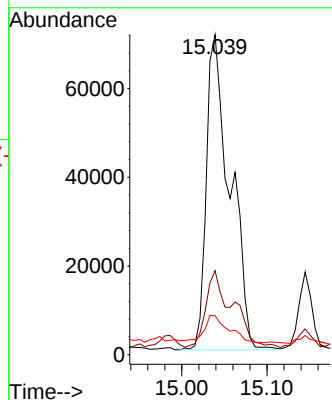
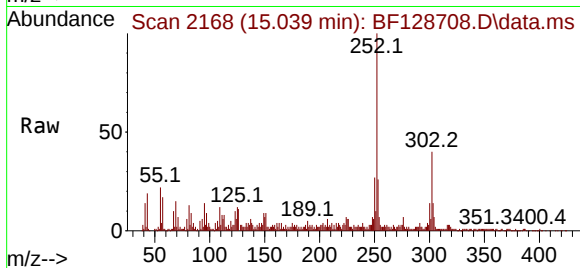
Tgt Ion:252 Resp: 138050

Ion Ratio Lower Upper

252 100

253 26.3 17.7 26.5

125 12.2 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 22.057 ng

RT: 15.039 min Scan# 2168

Delta R.T. -0.029 min

Lab File: BF128708.D

Acq: 06 Jun 2022 20:56

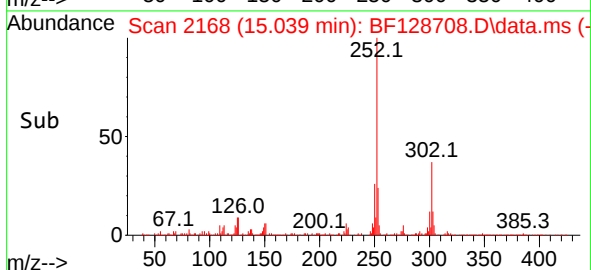
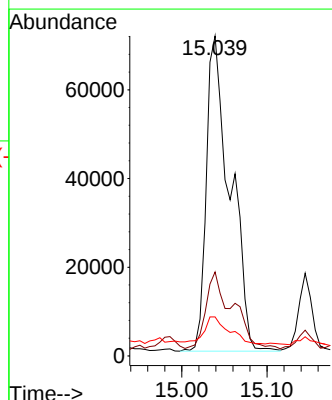
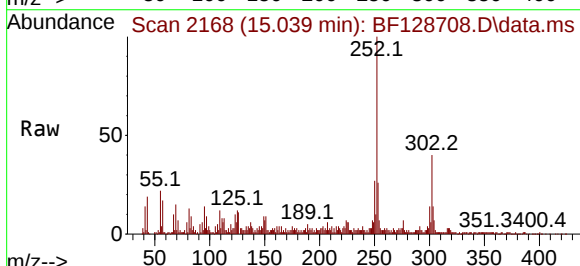
Tgt Ion:252 Resp: 138050

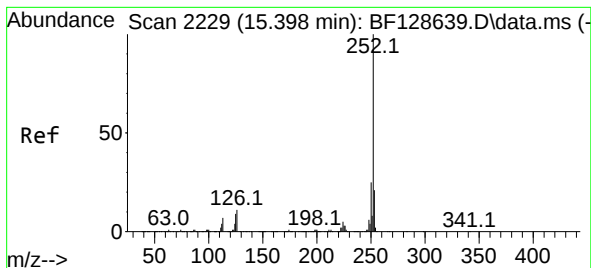
Ion Ratio Lower Upper

252 100

253 26.3 17.8 26.6

125 12.2 8.3 12.5





#90

Benzo(a)pyrene

Concen: 14.857 ng

RT: 15.404 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF128708.D

Acq: 06 Jun 2022 20:56

Instrument :

BNA_F

ClientSampleId :

CL-01-060322

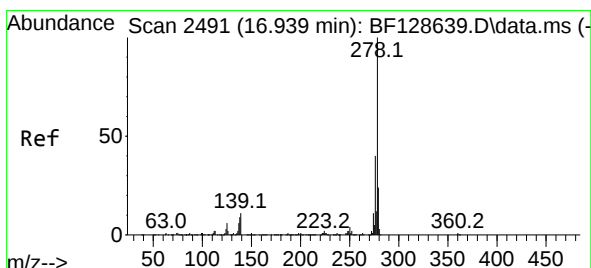
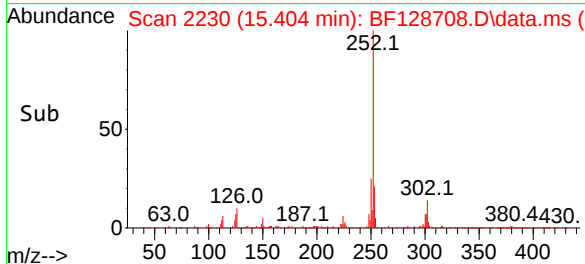
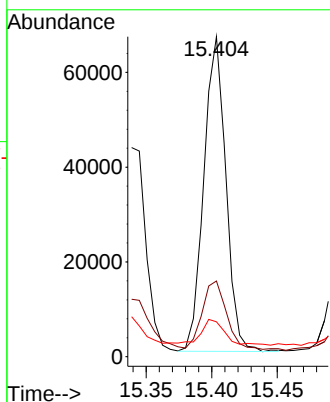
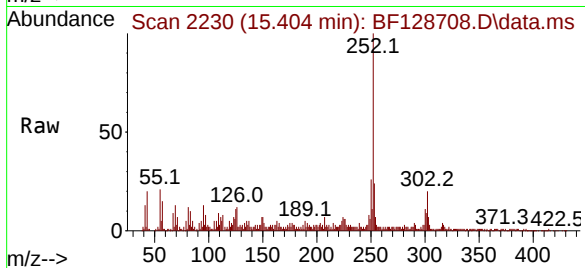
Tgt Ion:252 Resp: 77692

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

125 10.9 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 2.139 ng

RT: 16.939 min Scan# 2491

Delta R.T. 0.000 min

Lab File: BF128708.D

Acq: 06 Jun 2022 20:56

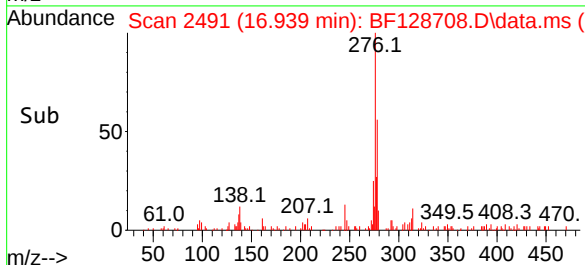
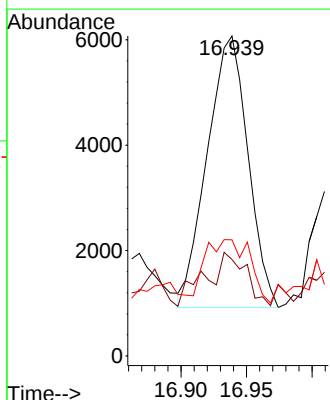
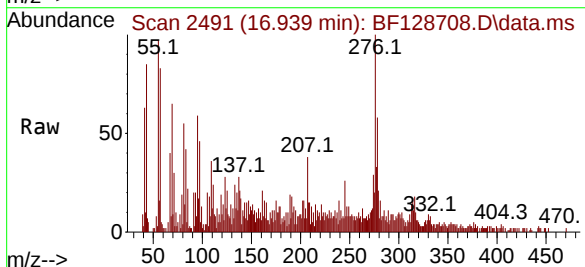
Tgt Ion:278 Resp: 11135

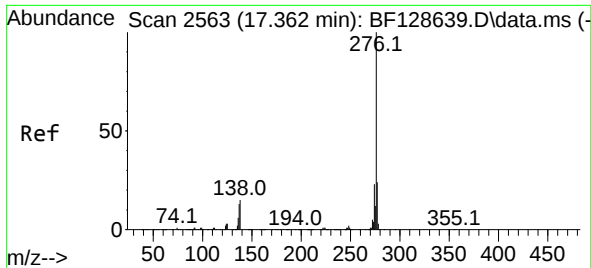
Ion Ratio Lower Upper

278 100

139 30.1 12.8 19.2#

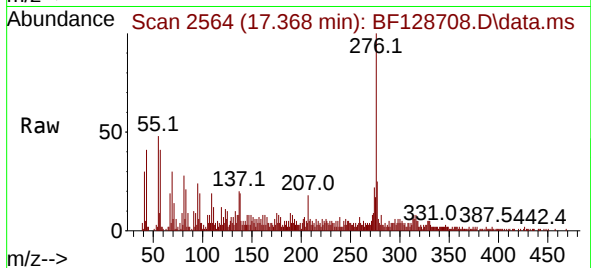
279 36.3 18.6 28.0#





#92
 Benzo(g,h,i)perylene
 Concen: 7.965 ng
 RT: 17.368 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF128708.D
 Acq: 06 Jun 2022 20:56

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-060322



Tgt Ion:	276	Resp:	41095
Ion Ratio	Lower	Upper	
276	100		
277	24.7	19.1	28.7
138	18.5	18.0	27.0

