

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
 Data File : BF128718.D
 Acq On : 07 Jun 2022 16:17
 Operator : CG\JU
 Sample : N3194-03 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Jun 08 00:26:42 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)

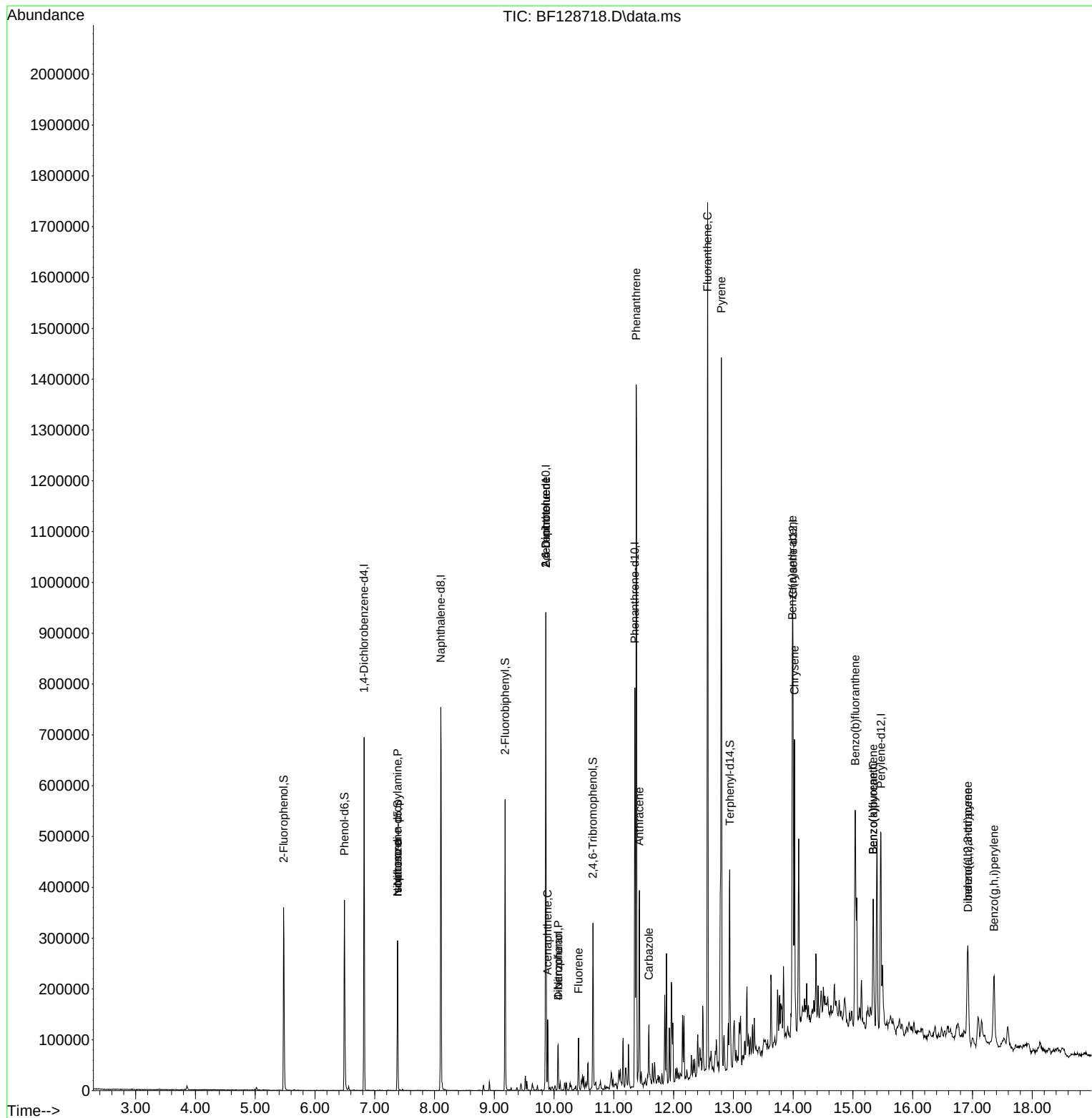
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	82766	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	314396	20.000	ng	# 0.00
39) Acenaphthene-d10	9.863	164	169425	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	279206	20.000	ng	0.00
76) Chrysene-d12	13.998	240	183678	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	179455	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	86009	16.552	ng	0.00
7) Phenol-d6	6.493	99	110694	17.452	ng	0.00
23) Nitrobenzene-d5	7.381	82	77443	11.468	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	29370	14.671	ng	-0.01
45) 2-Fluorobiphenyl	9.181	172	148052	12.241	ng	-0.01
79) Terphenyl-d14	12.939	244	120904	11.438	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	10865	2.755	ng	# 82
25) Isophorone	7.381	82	77442	7.551	ng	# 65
51) 2,6-Dinitrotoluene	9.863	165	21517	9.401	ng	# 26
52) Acenaphthene	9.892	154	26410	2.731	ng	97
55) Dibenzofuran	10.069	168	30171	2.171	ng	99
56) 4-Nitrophenol	10.069	139	12682	7.043	ng	# 9
57) 2,4-Dinitrotoluene	9.863	165	21517	7.044	ng	# 22
58) Fluorene	10.410	166	24645	2.287	ng	95
71) Phenanthrene	11.375	178	499327	35.655	ng	98
72) Anthracene	11.427	178	140659	10.148	ng	96
73) Carbazole	11.586	167	40566	3.151	ng	99
75) Fluoranthene	12.569	202	655038	44.747	ng	96
78) Pyrene	12.798	202	547477	40.063	ng	97
81) Benzo(a)anthracene	13.986	228	255890	22.350	ng	99
83) Chrysene	14.021	228	197945	18.134	ng	98
87) Indeno(1,2,3-cd)pyrene	16.921	276	120479	11.139	ng	# 89
88) Benzo(b)fluoranthene	15.039	252	321104	28.003	ng	# 96
89) Benzo(k)fluoranthene	15.339	252	108294	10.039	ng	98
90) Benzo(a)pyrene	15.339	252	111660	12.389	ng	97
91) Dibenzo(a,h)anthracene	16.927	278	32404	3.612	ng	94
92) Benzo(g,h,i)perylene	17.362	276	110358	12.411	ng	# 91

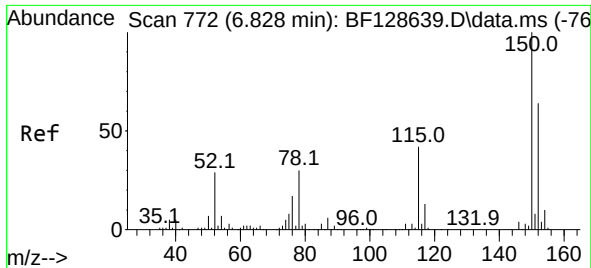
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 02 17:07:23 2022
Response via : Initial Calibration

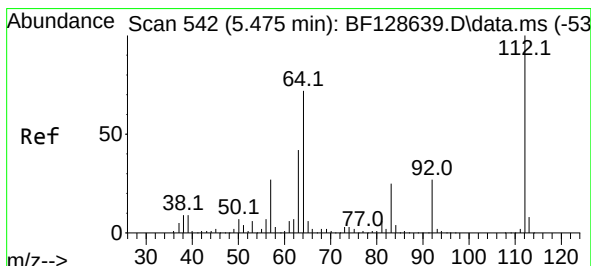
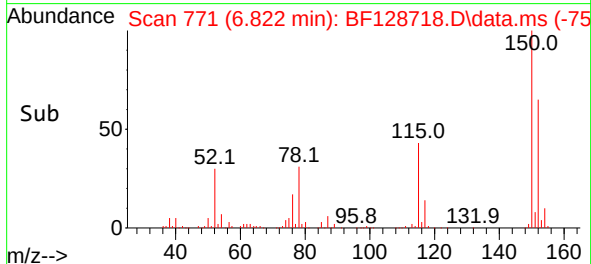
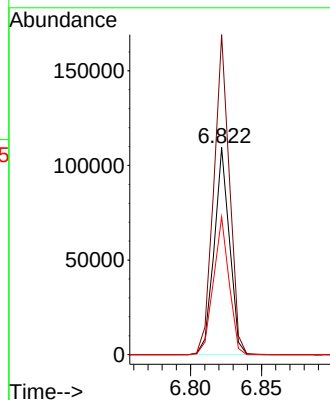
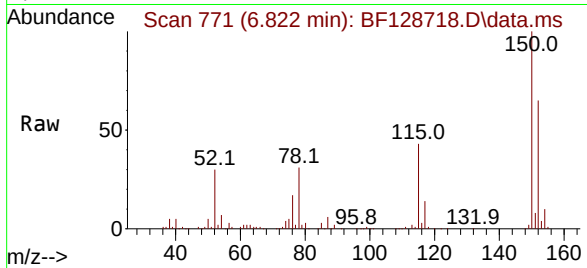




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

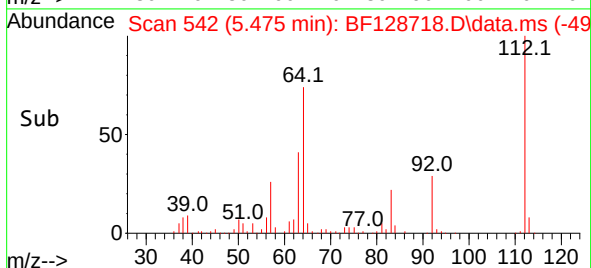
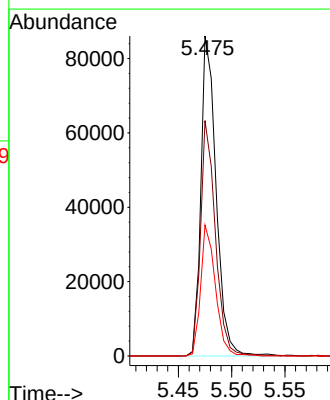
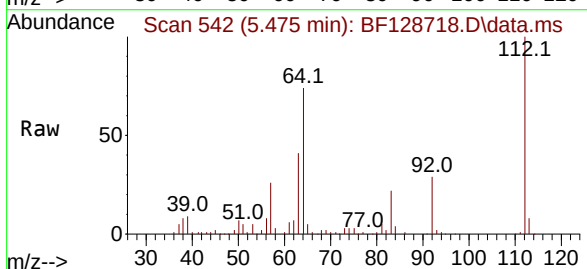
Instrument :
BNA_F
ClientSampleId :
TP-2

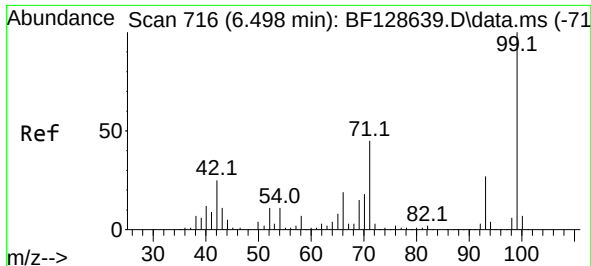
Tgt Ion:152 Resp: 82766
Ion Ratio Lower Upper
152 100
150 154.5 123.7 185.5
115 66.5 49.9 74.9



#5
2-Fluorophenol
Concen: 16.552 ng
RT: 5.475 min Scan# 542
Delta R.T. -0.000 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

Tgt Ion:112 Resp: 86009
Ion Ratio Lower Upper
112 100
64 73.6 53.3 79.9
63 40.9 28.0 42.0

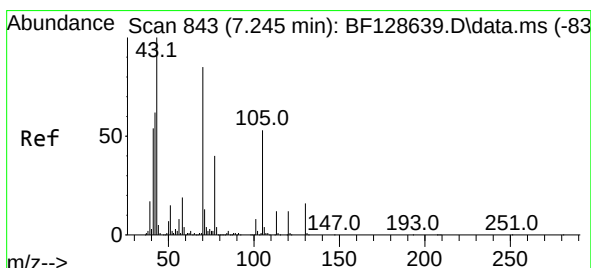
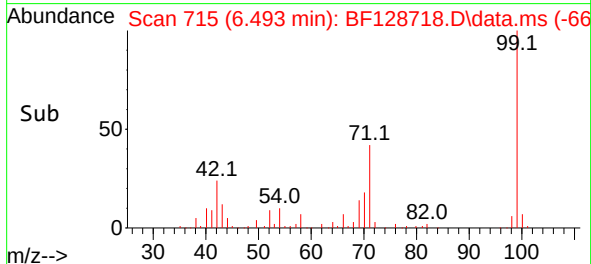
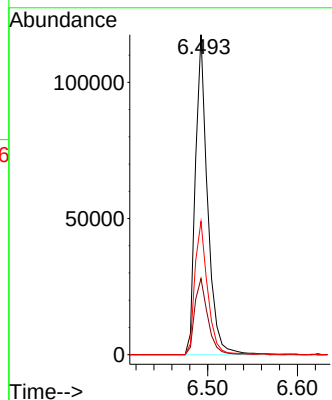
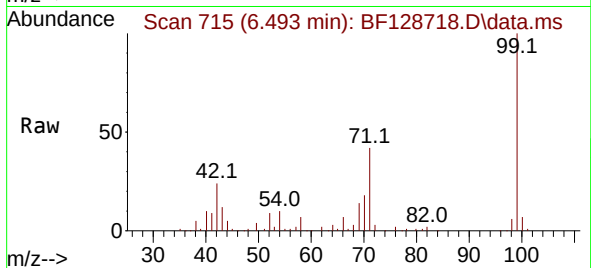




#7
Phenol-d6
Concen: 17.452 ng
RT: 6.493 min Scan# 716
Delta R.T. -0.005 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

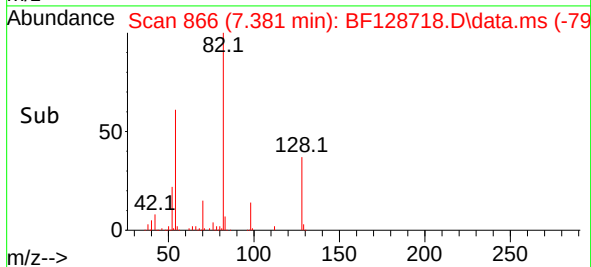
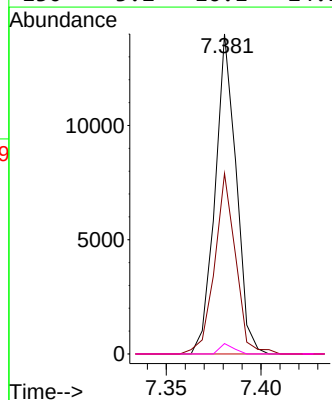
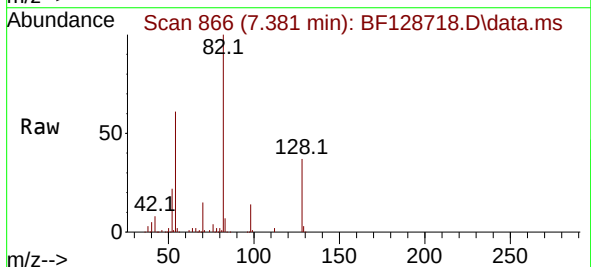
Instrument :
BNA_F
ClientSampleId :
TP-2

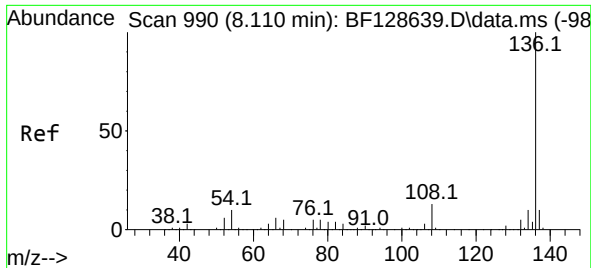
Tgt Ion: 99 Resp: 110694
Ion Ratio Lower Upper
99 100
42 23.8 17.3 25.9
71 41.7 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 2.755 ng
RT: 7.381 min Scan# 866
Delta R.T. 0.135 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

Tgt Ion: 70 Resp: 10865
Ion Ratio Lower Upper
70 100
42 56.4 52.3 78.5
101 0.0 7.5 11.3#
130 3.2 16.1 24.1#

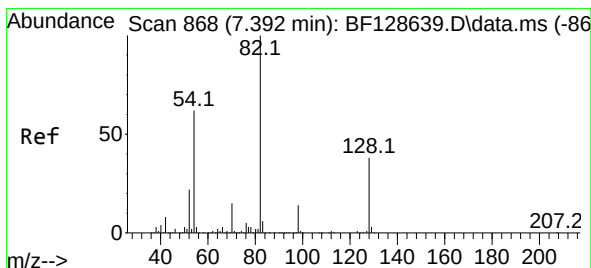
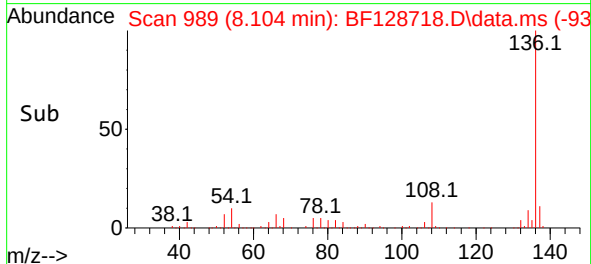
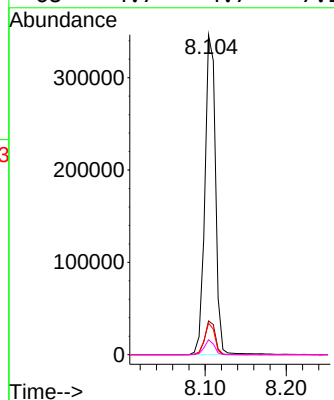
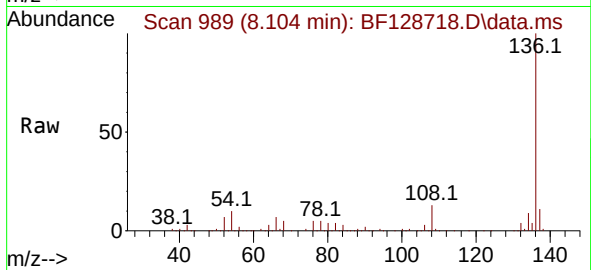




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

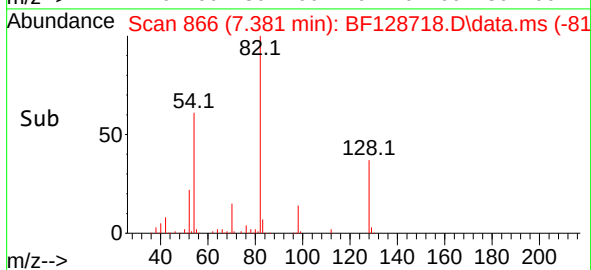
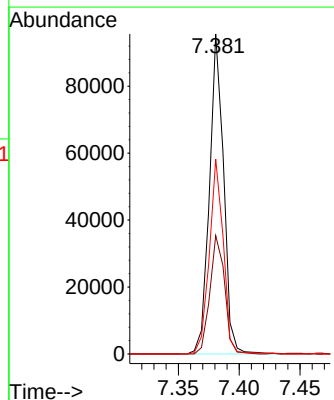
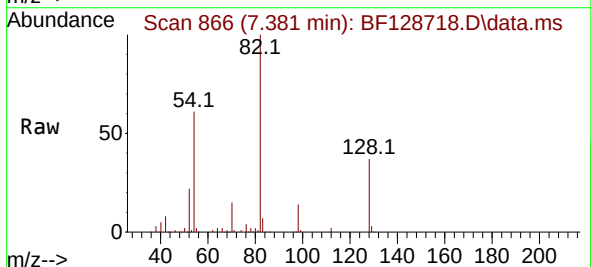
Instrument :
BNA_F
ClientSampleId :
TP-2

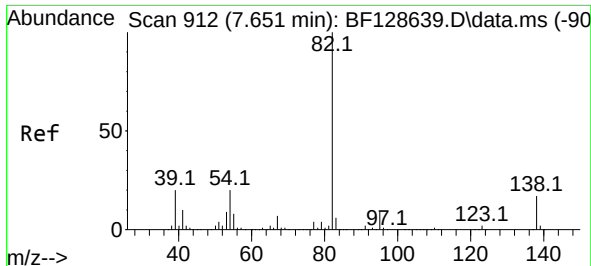
Tgt Ion:136 Resp: 314396
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 9.9 7.5 11.3
68 4.7 4.7 7.1#



#23
Nitrobenzene-d5
Concen: 11.468 ng
RT: 7.381 min Scan# 866
Delta R.T. -0.011 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

Tgt Ion: 82 Resp: 77443
Ion Ratio Lower Upper
82 100
128 37.0 34.0 51.0
54 60.9 46.9 70.3

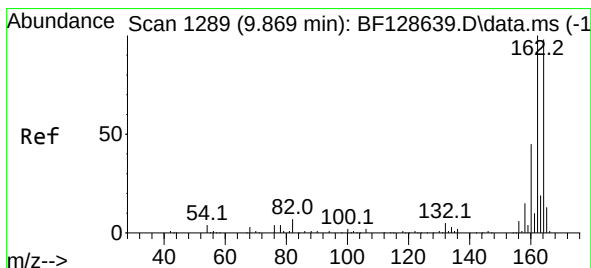
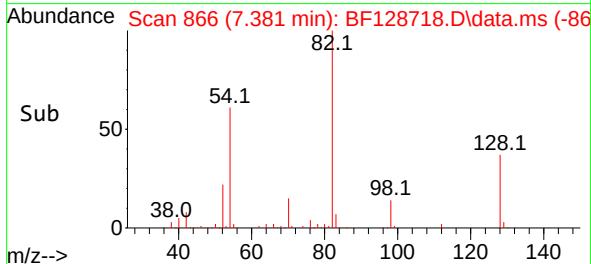
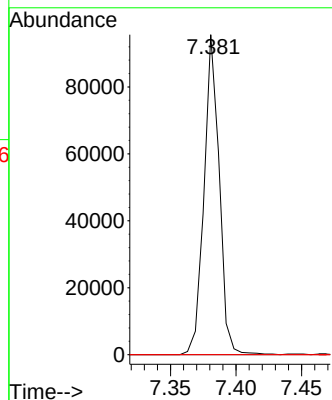
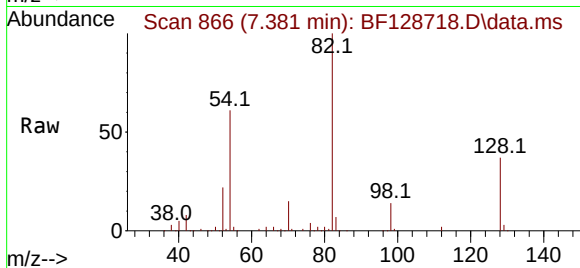




#25
Isophorone
Concen: 7.551 ng
RT: 7.381 min Scan# 866
Delta R.T. -0.270 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

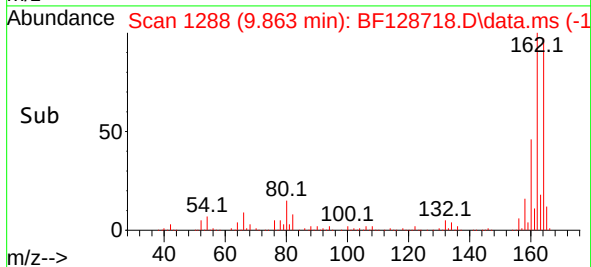
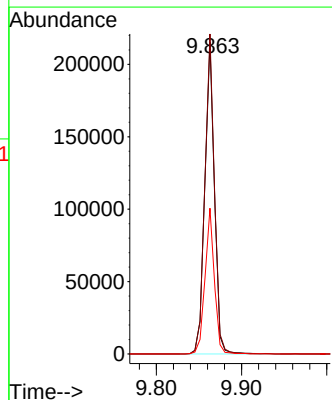
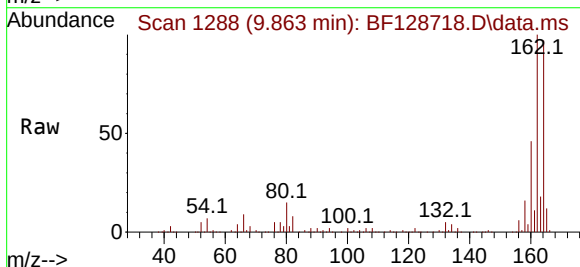
Instrument :
BNA_F
ClientSampleId :
TP-2

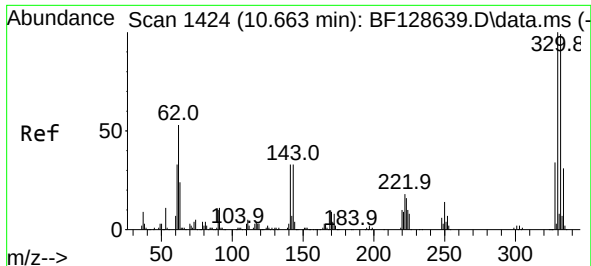
Tgt Ion: 82 Resp: 77442
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

Tgt Ion:164 Resp: 169425
Ion Ratio Lower Upper
164 100
162 102.6 79.5 119.3
160 46.7 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 14.671 ng

RT: 10.651 min Scan# 1422

Delta R.T. -0.012 min

Lab File: BF128718.D

Acq: 07 Jun 2022 16:17

Instrument :

BNA_F

ClientSampleId :

TP-2

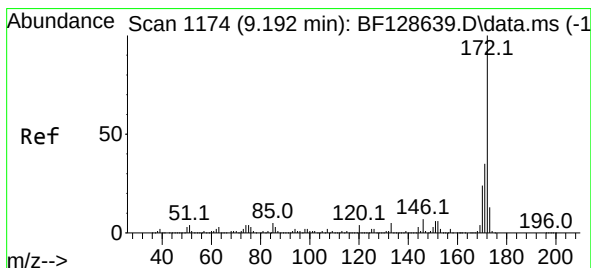
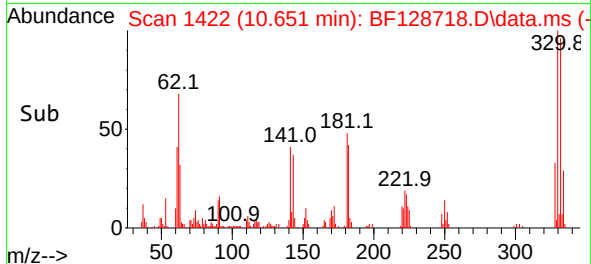
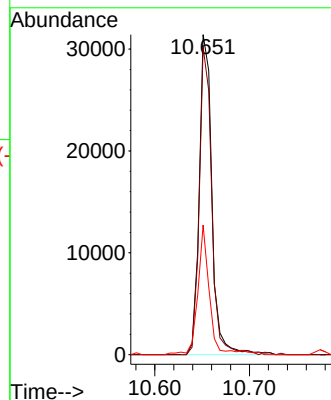
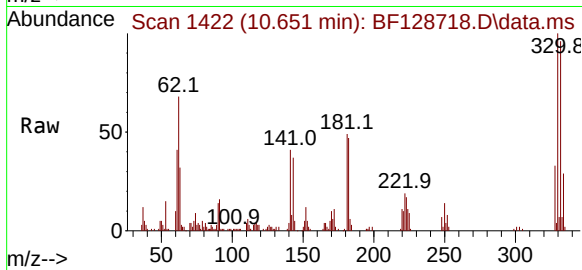
Tgt Ion:330 Resp: 29370

Ion Ratio Lower Upper

330 100

332 93.7 76.8 115.2

141 37.5 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 12.241 ng

RT: 9.181 min Scan# 1172

Delta R.T. -0.011 min

Lab File: BF128718.D

Acq: 07 Jun 2022 16:17

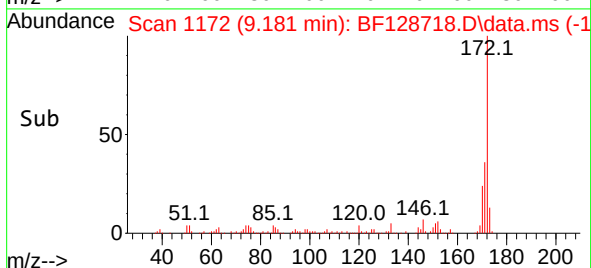
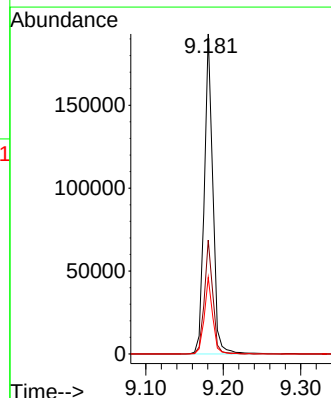
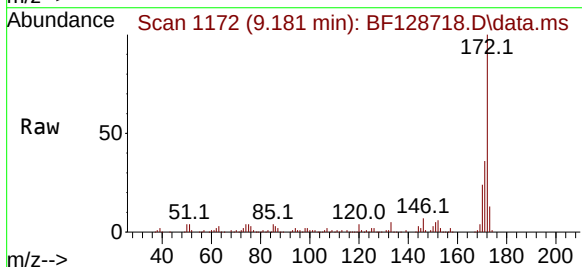
Tgt Ion:172 Resp: 148052

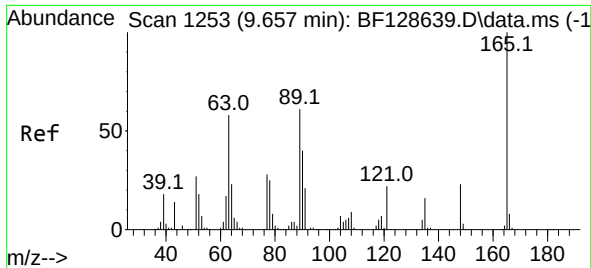
Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.9 19.8 29.8

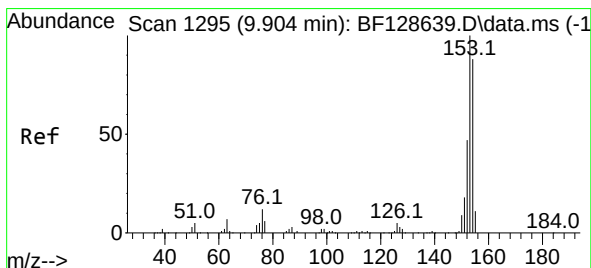
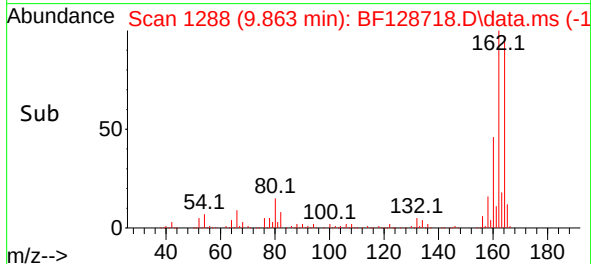
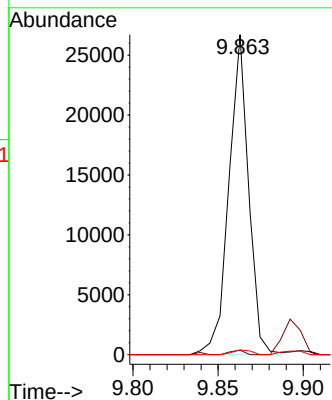
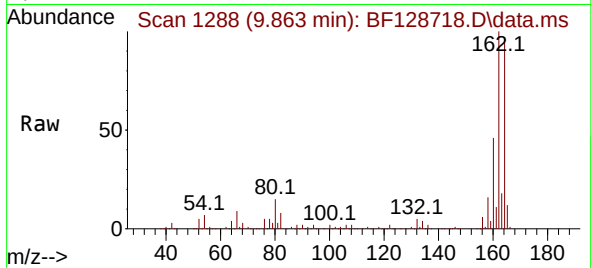




#51
2,6-Dinitrotoluene
Concen: 9.401 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

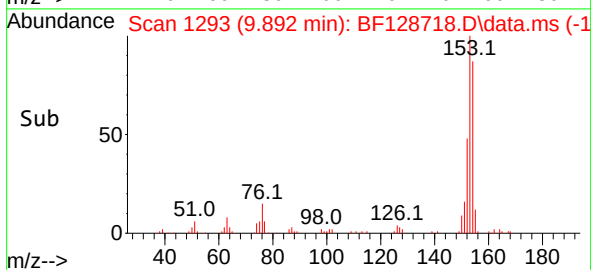
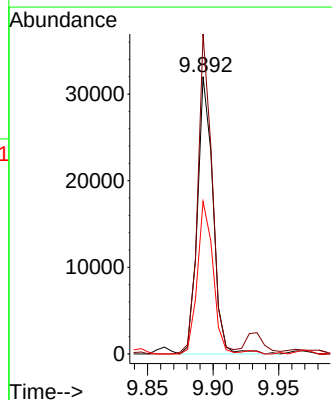
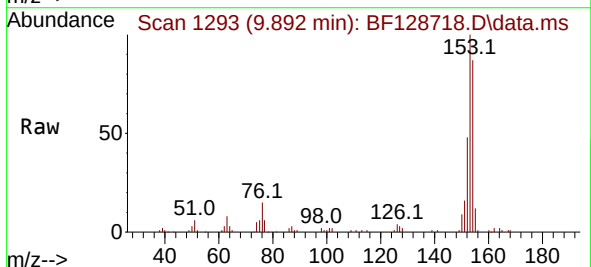
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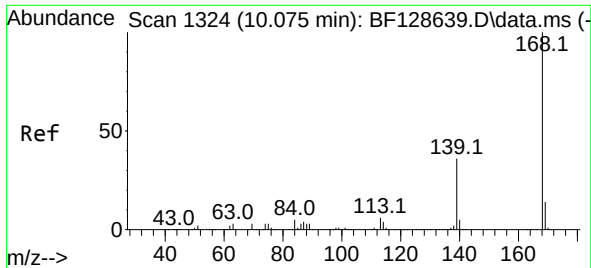
Tgt Ion:165 Resp: 21517
Ion Ratio Lower Upper
165 100
63 1.4 44.9 67.3#
89 1.5 43.6 65.4#



#52
Acenaphthene
Concen: 2.731 ng
RT: 9.892 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

Tgt Ion:154 Resp: 26410
Ion Ratio Lower Upper
154 100
153 115.4 89.6 134.4
152 55.0 42.4 63.6

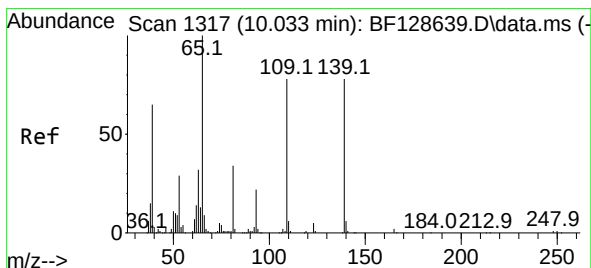
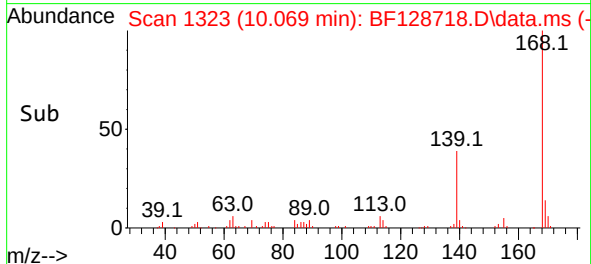
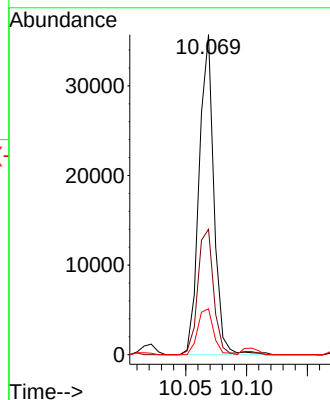
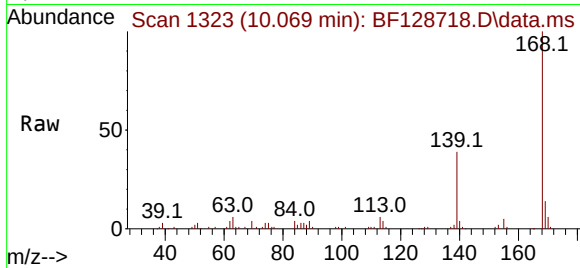




#55
Dibenzenofuran
Concen: 2.171 ng
RT: 10.069 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

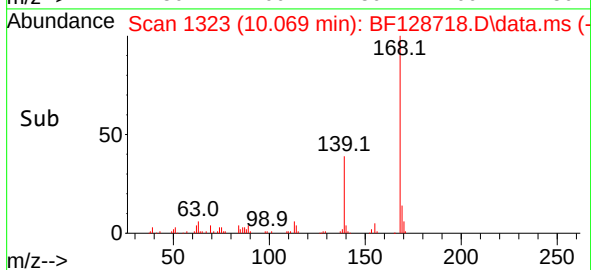
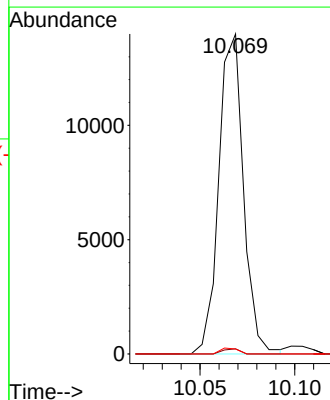
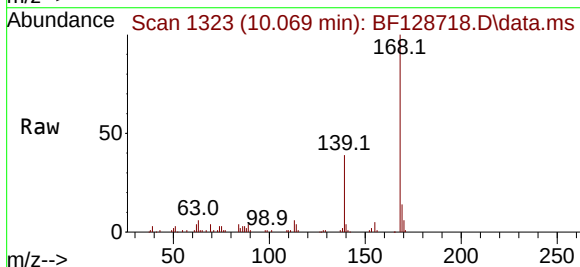
Instrument :
BNA_F
ClientSampleId :
TP-2

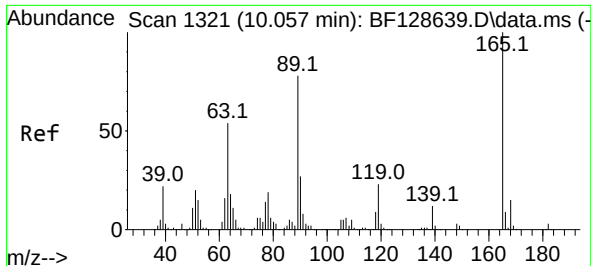
Tgt Ion:168 Resp: 30171
Ion Ratio Lower Upper
168 100
139 39.2 30.6 46.0
169 14.4 11.0 16.6



#56
4-Nitrophenol
Concen: 7.043 ng
RT: 10.069 min Scan# 1323
Delta R.T. 0.035 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

Tgt Ion:139 Resp: 12682
Ion Ratio Lower Upper
139 100
109 1.6 50.7 90.7#
65 1.5 74.5 114.5#

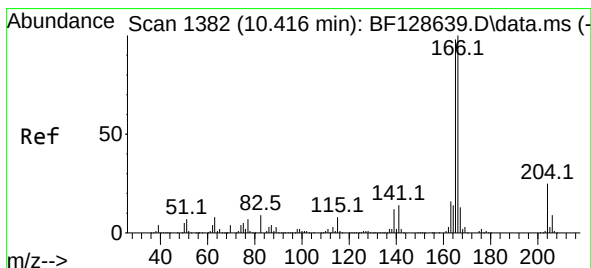
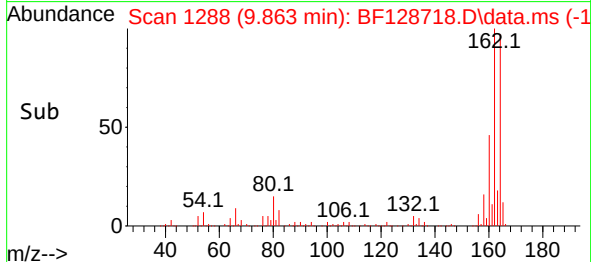
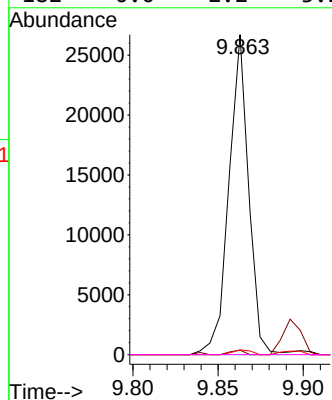
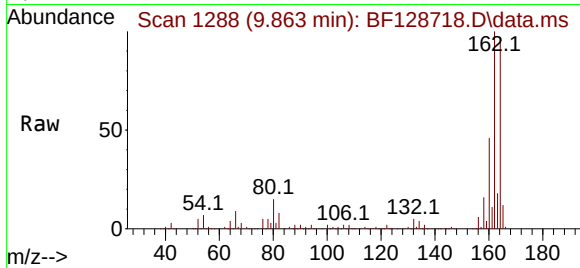




#57
2,4-Dinitrotoluene
Concen: 7.044 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

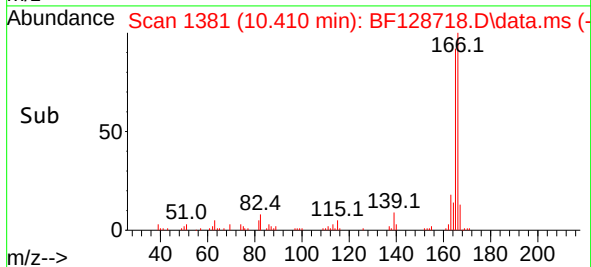
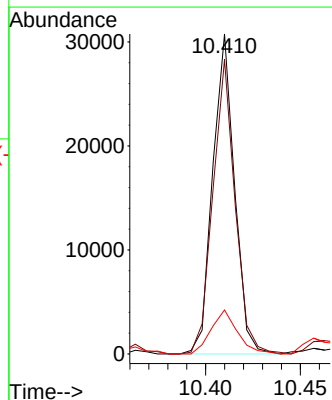
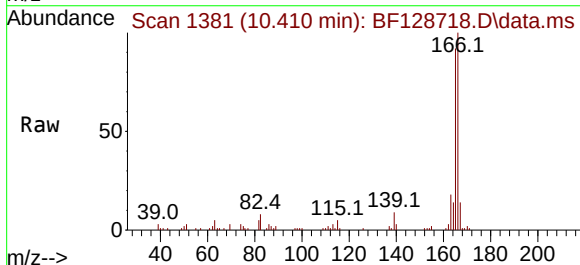
Instrument :
BNA_F
ClientSampleId :
TP-2

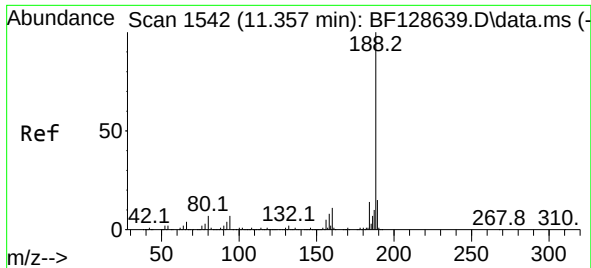
Tgt Ion:165 Resp: 21517
Ion Ratio Lower Upper
165 100
63 1.4 39.8 59.6#
89 1.5 60.2 90.2#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: 2.287 ng
RT: 10.410 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

Tgt Ion:166 Resp: 24645
Ion Ratio Lower Upper
166 100
165 92.0 78.1 117.1
167 13.8 10.5 15.7

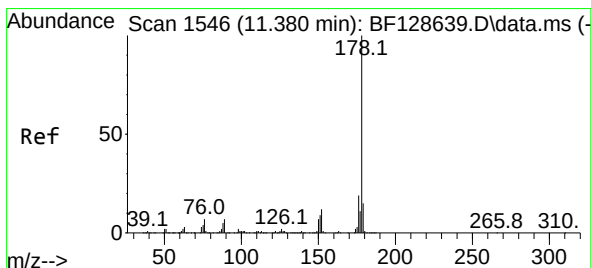
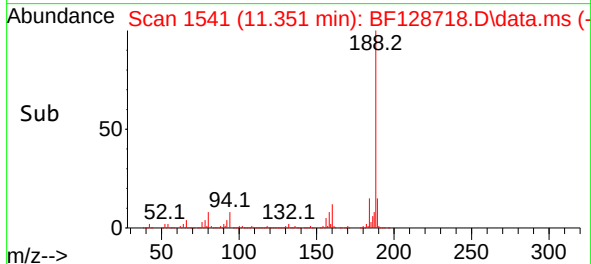
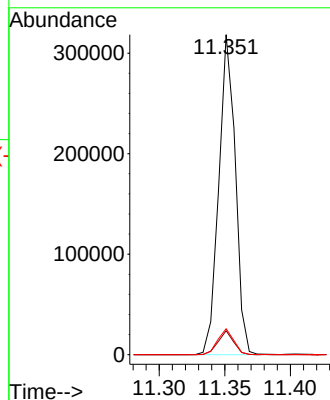
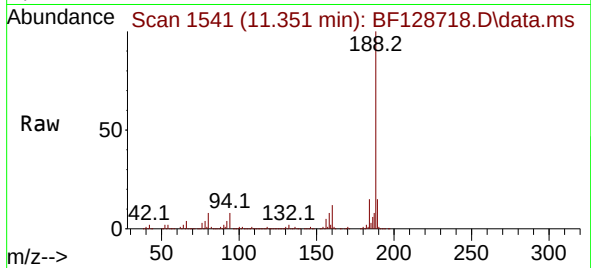




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

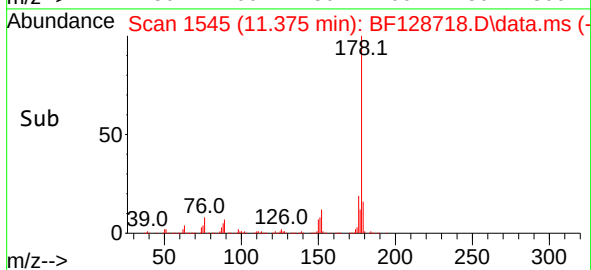
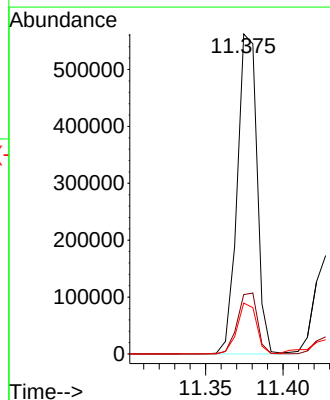
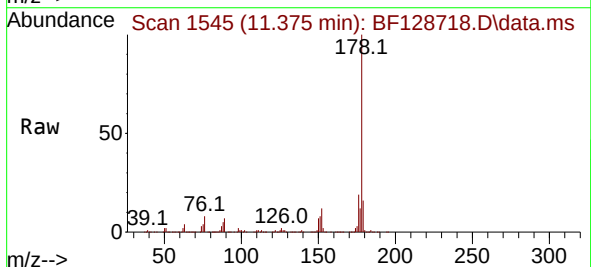
Instrument :
BNA_F
ClientSampleId :
TP-2

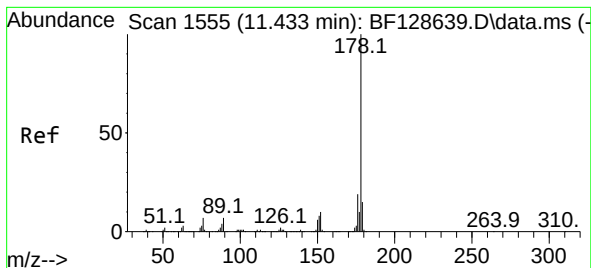
Tgt Ion:188 Resp: 279206
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.6
80 8.1 7.6 11.4



#71
Phenanthrene
Concen: 35.655 ng
RT: 11.375 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

Tgt Ion:178 Resp: 499327
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 15.9 12.6 19.0





#72

Anthracene

Concen: 10.148 ng

RT: 11.427 min Scan# 1555

Delta R.T. -0.006 min

Lab File: BF128718.D

Acq: 07 Jun 2022 16:17

Instrument :

BNA_F

ClientSampleId :

TP-2

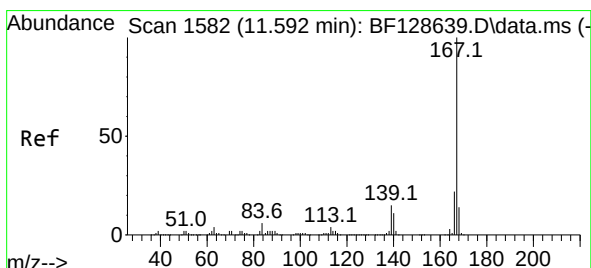
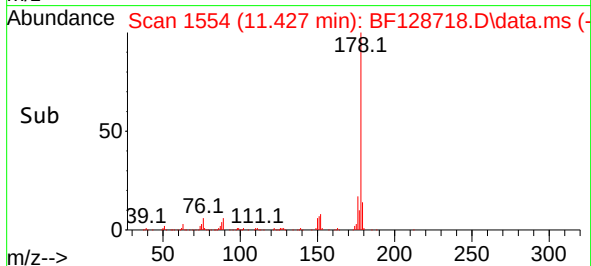
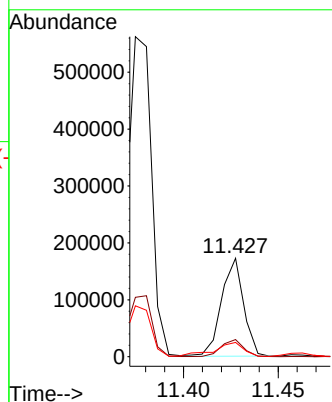
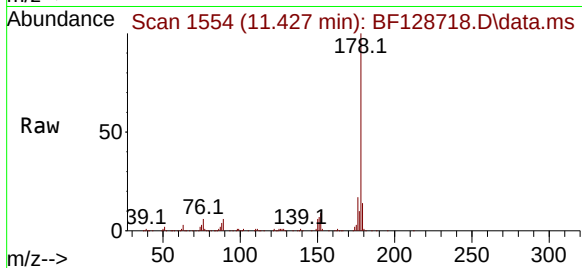
Tgt Ion:178 Resp: 140659

Ion Ratio Lower Upper

178 100

176 17.3 15.4 23.2

179 14.5 12.6 19.0



#73

Carbazole

Concen: 3.151 ng

RT: 11.586 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF128718.D

Acq: 07 Jun 2022 16:17

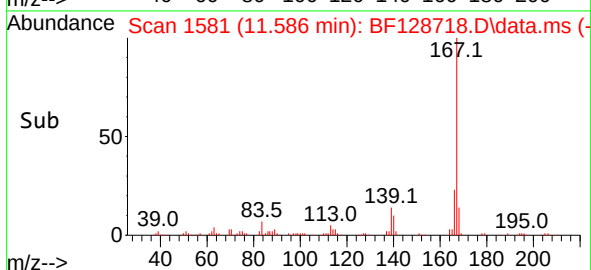
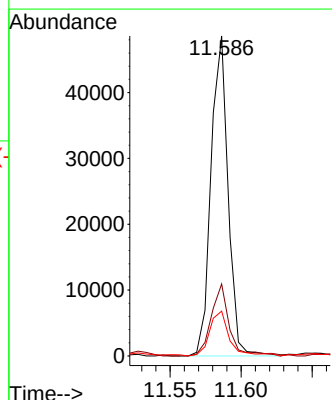
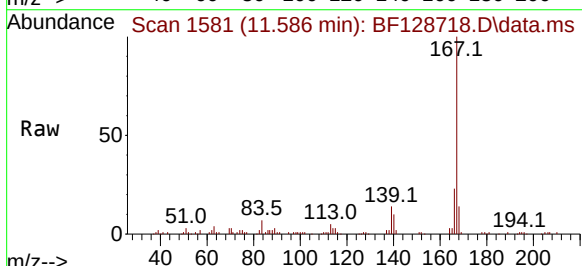
Tgt Ion:167 Resp: 40566

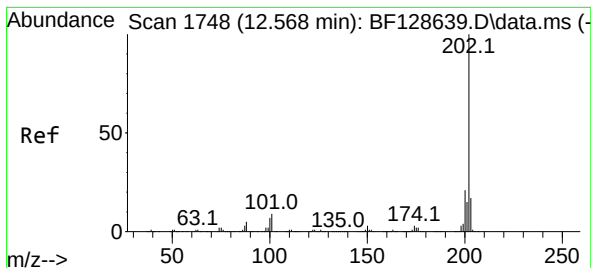
Ion Ratio Lower Upper

167 100

166 22.5 17.7 26.5

139 14.0 11.2 16.8





#75

Fluoranthene

Concen: 44.747 ng

RT: 12.569 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF128718.D

Acq: 07 Jun 2022 16:17

Instrument :

BNA_F

ClientSampleId :

TP-2

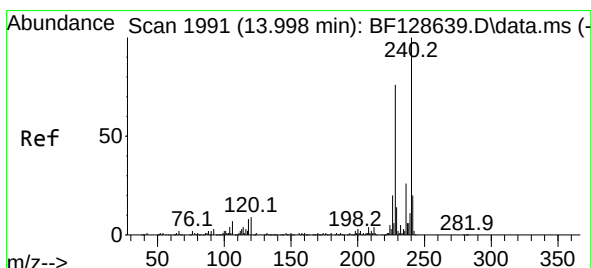
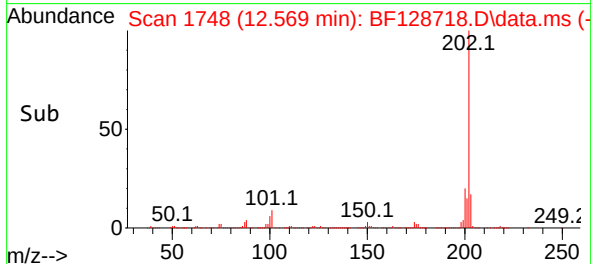
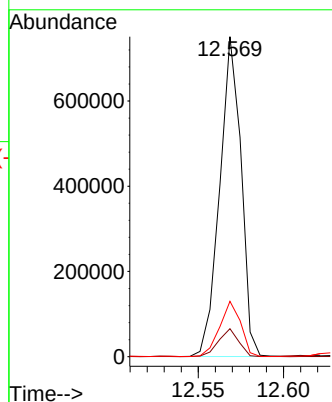
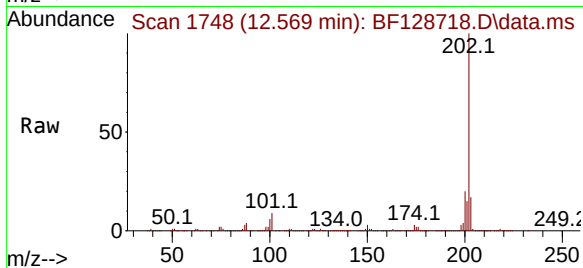
Tgt Ion:202 Resp: 655038

Ion Ratio Lower Upper

202 100

101 8.8 0.0 31.4

203 17.3 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: BF128718.D

Acq: 07 Jun 2022 16:17

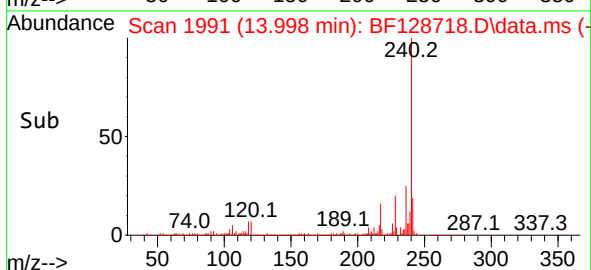
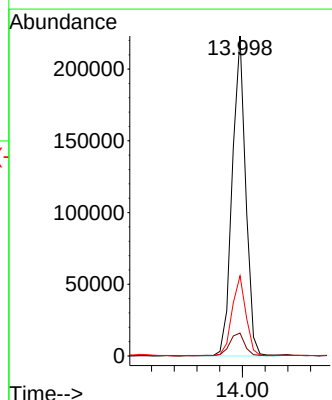
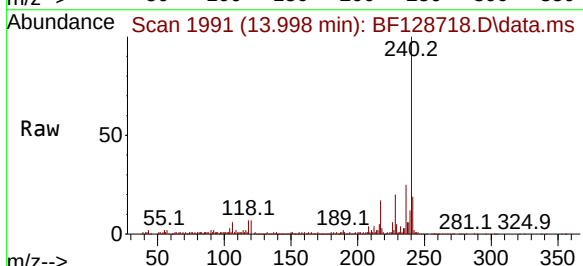
Tgt Ion:240 Resp: 183678

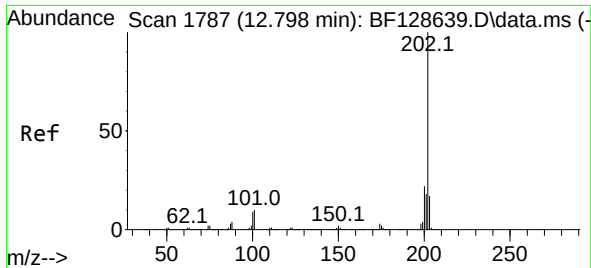
Ion Ratio Lower Upper

240 100

120 7.2 8.9 13.3#

236 25.0 20.8 31.2

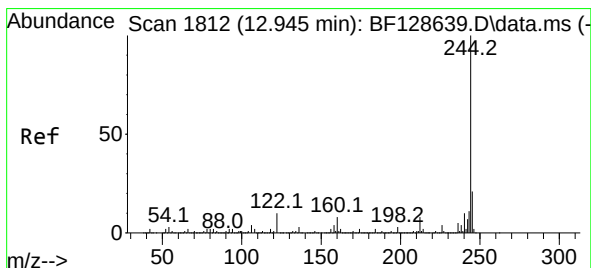
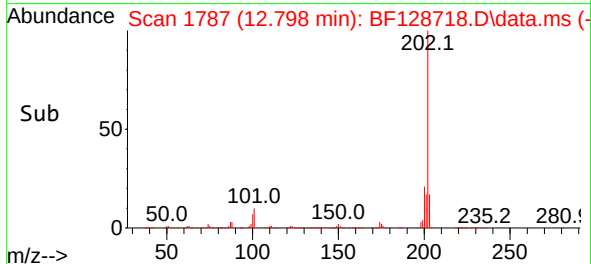
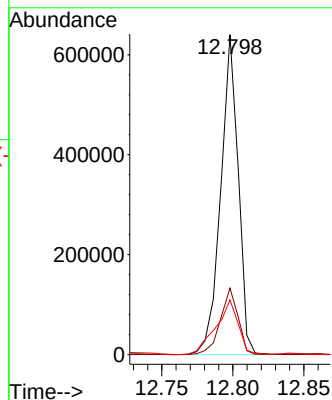
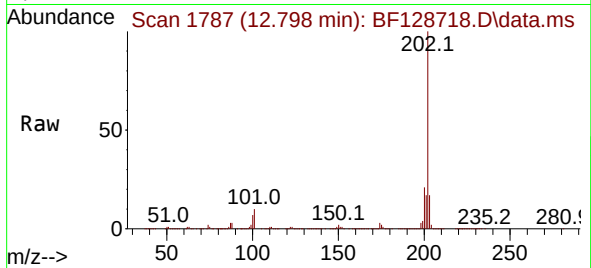




#78
Pyrene
Concen: 40.063 ng
RT: 12.798 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

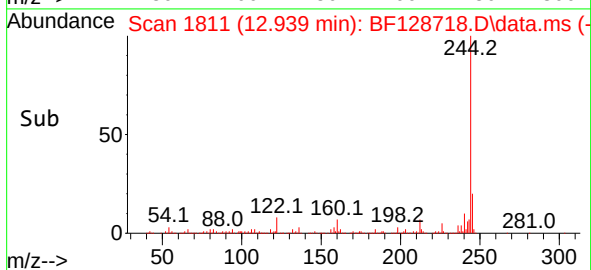
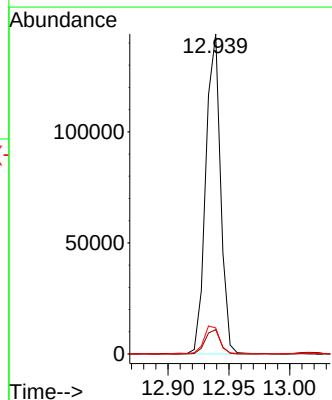
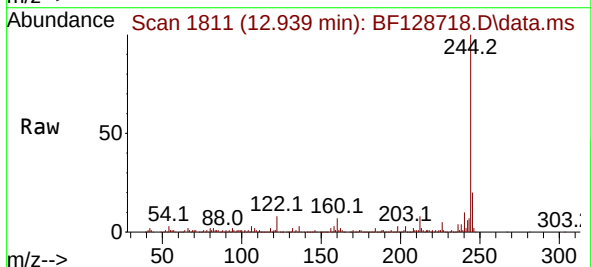
Instrument :
BNA_F
ClientSampleId :
TP-2

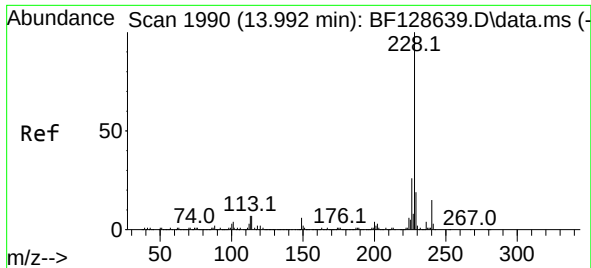
Tgt Ion:202 Resp: 547477
Ion Ratio Lower Upper
202 100
200 20.8 17.7 26.5
203 17.1 14.6 21.8



#79
Terphenyl-d14
Concen: 11.438 ng
RT: 12.939 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

Tgt Ion:244 Resp: 120904
Ion Ratio Lower Upper
244 100
212 7.6 6.1 9.1
122 8.2 8.8 13.2#

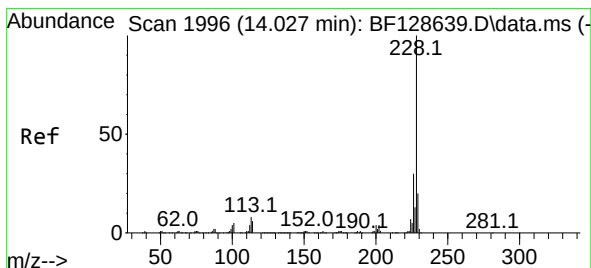
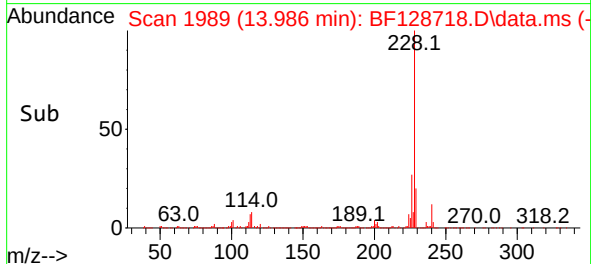
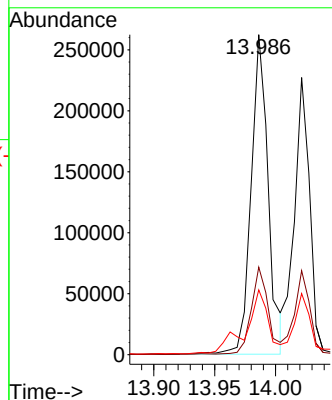
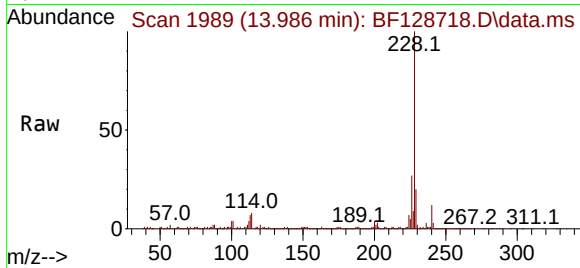




#81
Benzo(a)anthracene
Concen: 22.350 ng
RT: 13.986 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

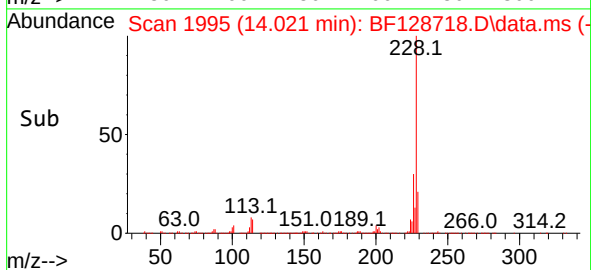
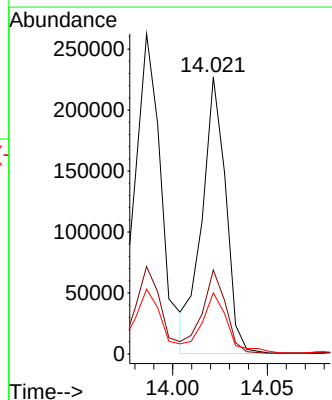
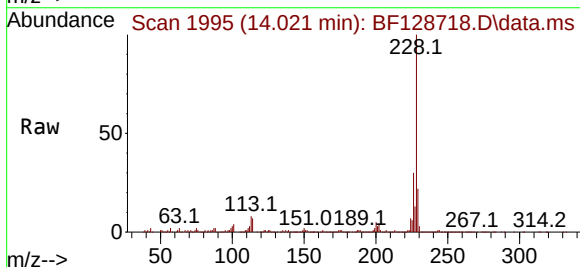
Instrument :
BNA_F
ClientSampleId :
TP-2

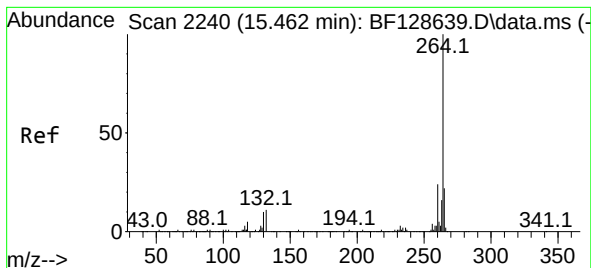
Tgt Ion:228 Resp: 255890
Ion Ratio Lower Upper
228 100
226 27.3 22.1 33.1
229 20.3 15.8 23.8



#83
Chrysene
Concen: 18.134 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

Tgt Ion:228 Resp: 197945
Ion Ratio Lower Upper
228 100
226 30.3 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: BF128718.D

Acq: 07 Jun 2022 16:17

Instrument :

BNA_F

ClientSampleId :

TP-2

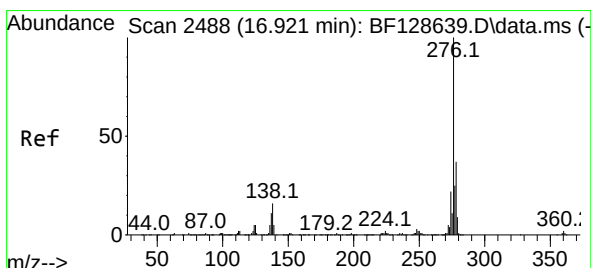
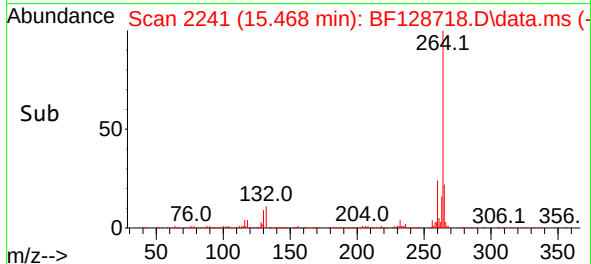
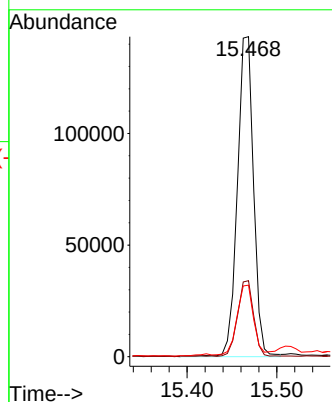
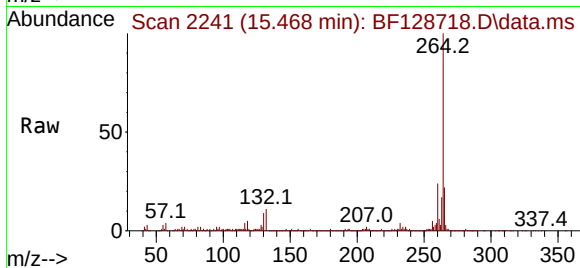
Tgt Ion:264 Resp: 179455

Ion Ratio Lower Upper

264 100

260 23.8 18.4 27.6

265 22.4 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.139 ng

RT: 16.921 min Scan# 2488

Delta R.T. 0.000 min

Lab File: BF128718.D

Acq: 07 Jun 2022 16:17

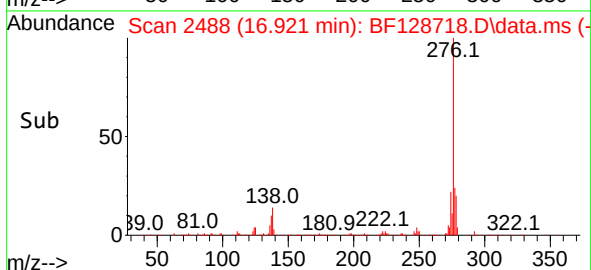
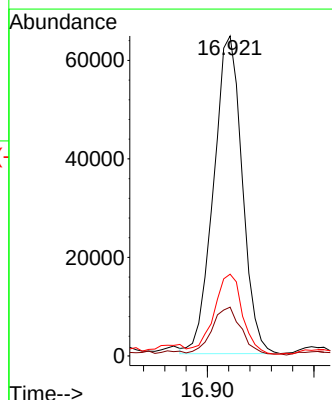
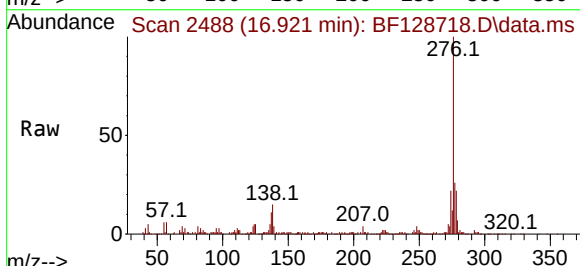
Tgt Ion:276 Resp: 120479

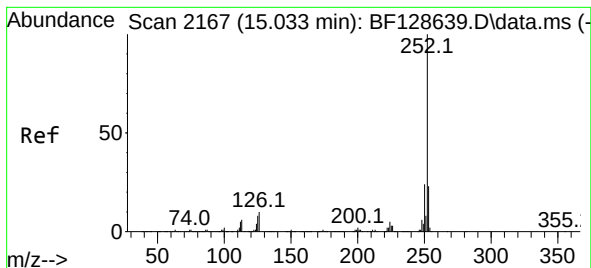
Ion Ratio Lower Upper

276 100

138 15.7 21.1 31.7#

277 25.1 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 28.003 ng

RT: 15.039 min Scan# 2119

Delta R.T. 0.006 min

Lab File: BF128718.D

Acq: 07 Jun 2022 16:17

Instrument :

BNA_F

ClientSampleId :

TP-2

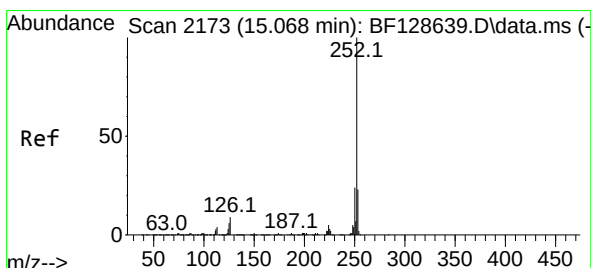
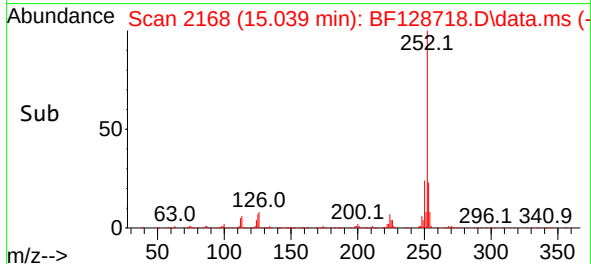
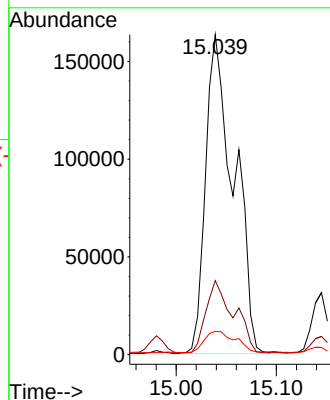
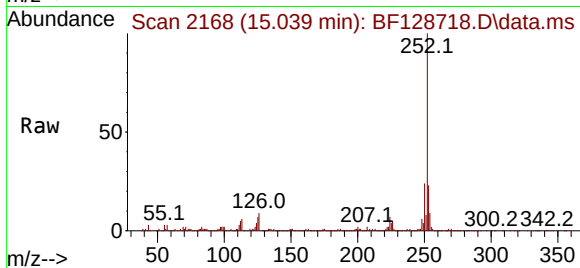
Tgt Ion:252 Resp: 321104

Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 7.3 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 10.039 ng

RT: 15.339 min Scan# 2219

Delta R.T. 0.271 min

Lab File: BF128718.D

Acq: 07 Jun 2022 16:17

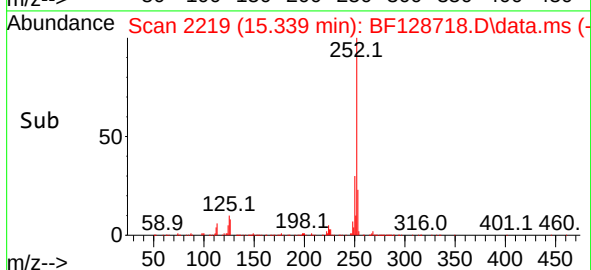
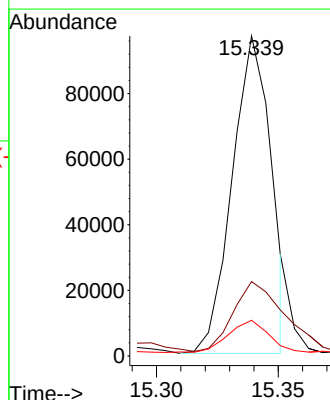
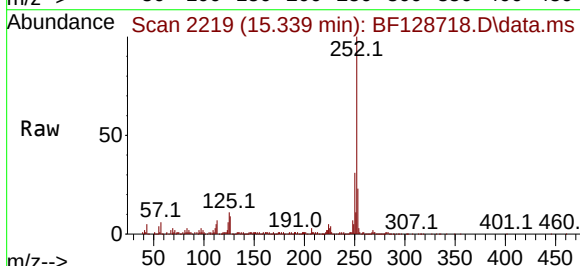
Tgt Ion:252 Resp: 108294

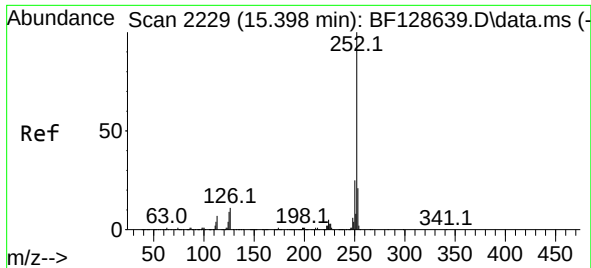
Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

125 11.1 8.3 12.5

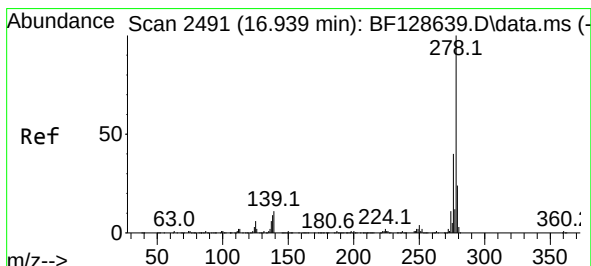
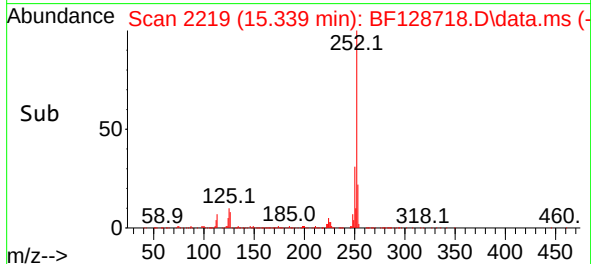
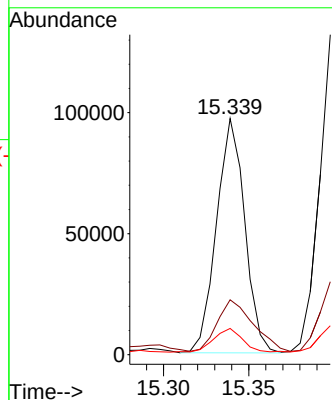
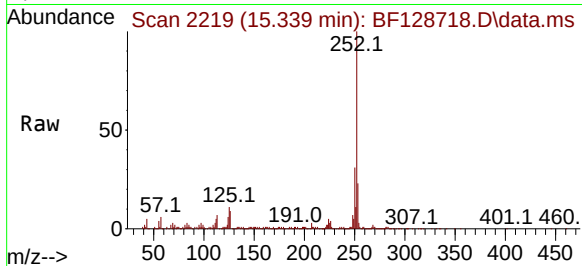




#90
Benzo(a)pyrene
Concen: 12.389 ng
RT: 15.339 min Scan# 211
Delta R.T. -0.059 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

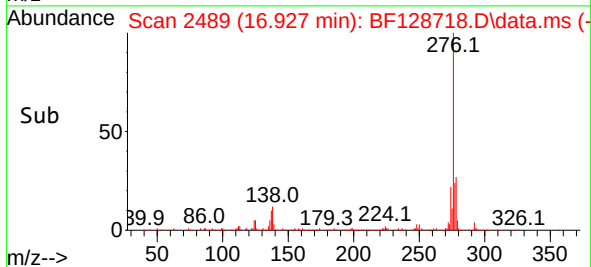
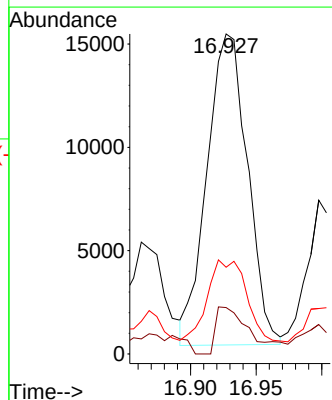
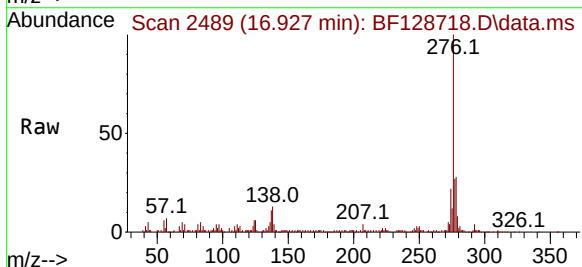
Instrument :
BNA_F
ClientSampleId :
TP-2

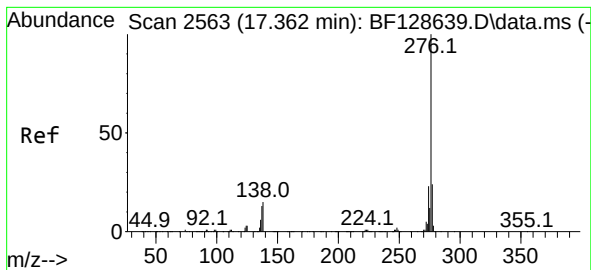
Tgt Ion:252 Resp: 111660
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 11.1 8.8 13.2



#91
Dibenzo(a,h)anthracene
Concen: 3.612 ng
RT: 16.927 min Scan# 2489
Delta R.T. -0.012 min
Lab File: BF128718.D
Acq: 07 Jun 2022 16:17

Tgt Ion:278 Resp: 32404
Ion Ratio Lower Upper
278 100
139 14.5 12.8 19.2
279 27.1 18.6 28.0





#92

Benzo(g,h,i)perylene

Concen: 12.411 ng

RT: 17.362 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF128718.D

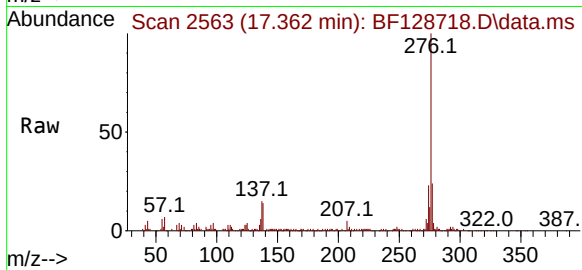
Acq: 07 Jun 2022 16:17

Instrument :

BNA_F

ClientSampleId :

TP-2



Tgt Ion:276 Resp: 110358

Ion Ratio Lower Upper

276 100

277 24.0 19.1 28.7

138 14.1 18.0 27.0#

