

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
 Data File : BF128723.D
 Acq On : 07 Jun 2022 18:46
 Operator : CG\JU
 Sample : N3201-03DL 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 21500DL

Quant Time: Jun 08 00:27:21 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

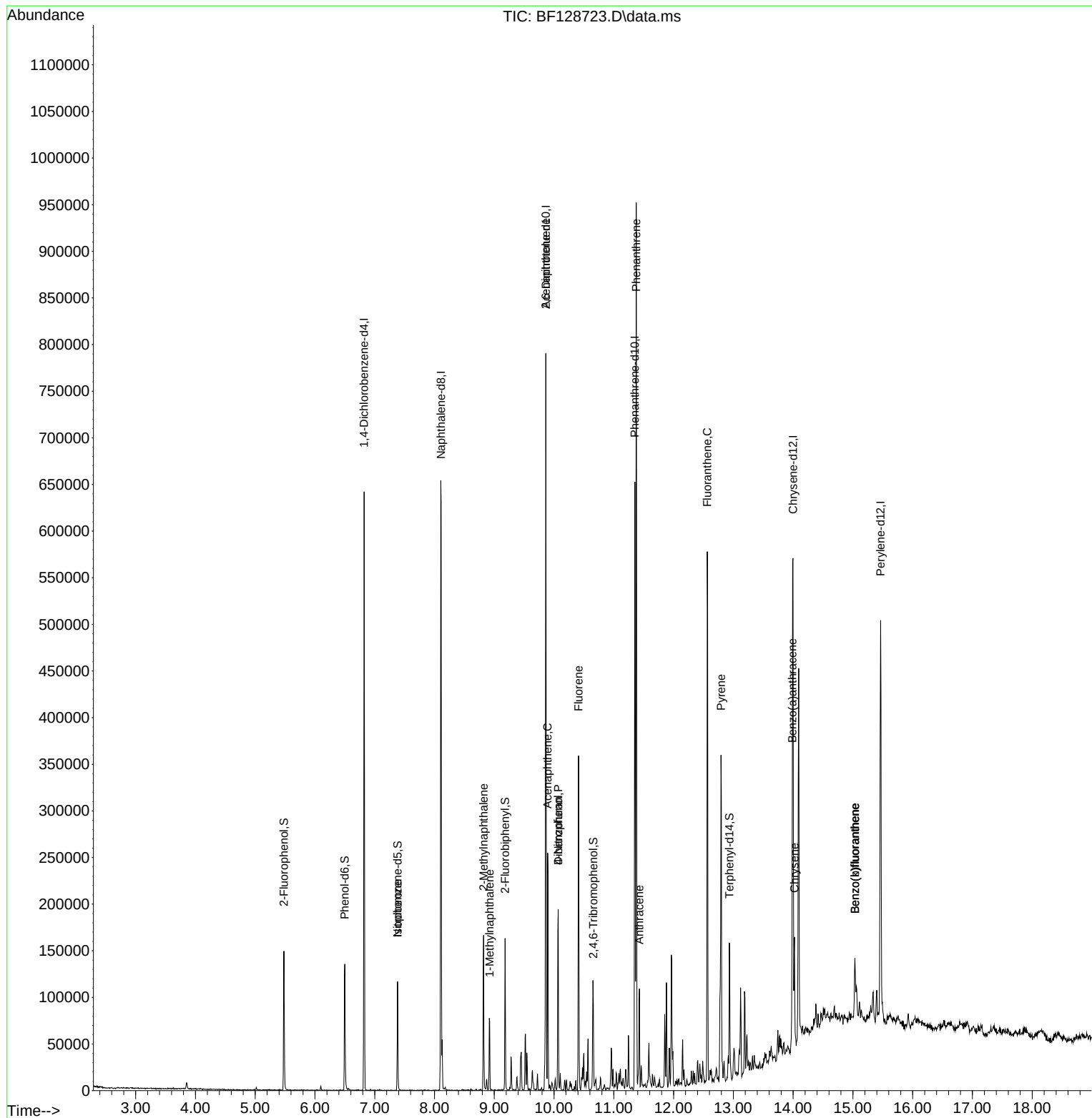
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	77803	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	275021	20.000	ng	# 0.00
39) Acenaphthene-d10	9.863	164	140899	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	211941	20.000	ng	# 0.00
76) Chrysene-d12	13.998	240	174901	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	190525	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	35617	7.292	ng	0.00
7) Phenol-d6	6.498	99	42506	7.129	ng	0.00
23) Nitrobenzene-d5	7.381	82	30102	5.096	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	8221	4.938	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	42921	4.267	ng	-0.01
79) Terphenyl-d14	12.933	244	44457	4.417	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.381	82	30101	3.355	ng	# 65
37) 2-Methylnaphthalene	8.822	142	38657	4.306	ng	100
38) 1-Methylnaphthalene	8.922	142	19922	2.297	ng	93
51) 2,6-Dinitrotoluene	9.863	165	18952	9.956	ng	# 26
52) Acenaphthene	9.892	154	50202	6.242	ng	96
55) Dibenzofuran	10.069	168	65006	5.624	ng	95
56) 4-Nitrophenol	10.069	139	27829	18.583	ng	# 9
58) Fluorene	10.410	166	86230	9.620	ng	99
71) Phenanthrene	11.375	178	313488	29.489	ng	99
72) Anthracene	11.428	178	40067	3.808	ng	98
75) Fluoranthene	12.563	202	221898	19.969	ng	96
78) Pyrene	12.792	202	147541	11.338	ng	99
81) Benzo(a)anthracene	13.986	228	43057	3.949	ng	96
83) Chrysene	14.022	228	48142	4.632	ng	99
88) Benzo(b)fluoranthene	15.033	252	44046	3.618	ng	97
89) Benzo(k)fluoranthene	15.033	252	44046	3.846	ng	97

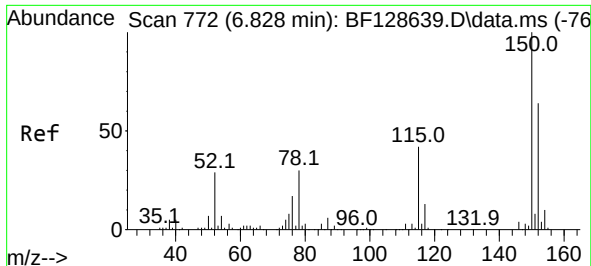
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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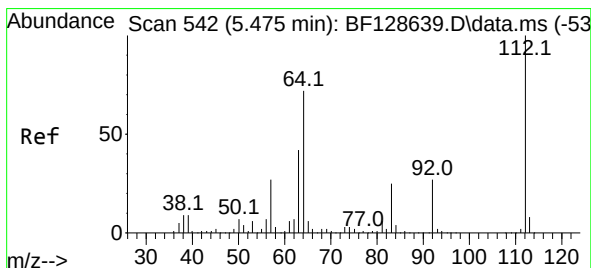
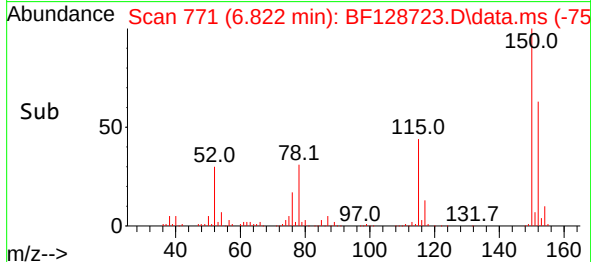
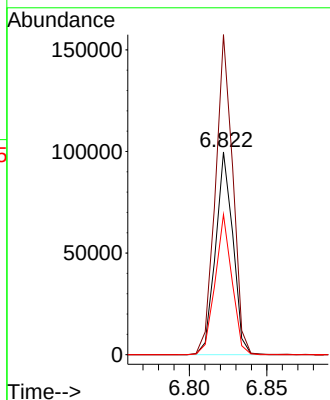
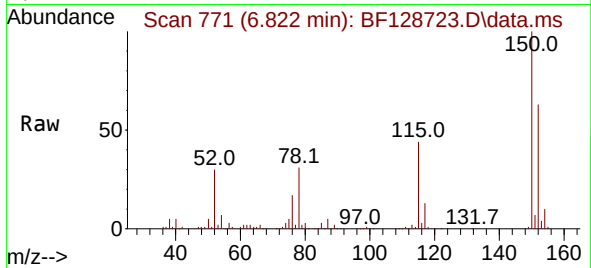




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128723.D
Acq: 07 Jun 2022 18:46

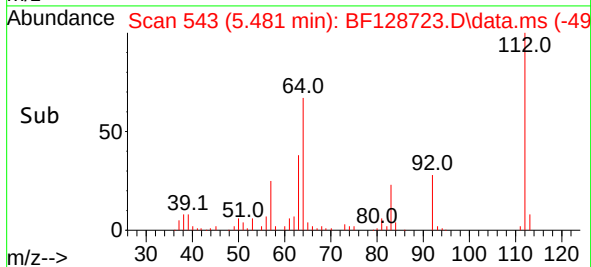
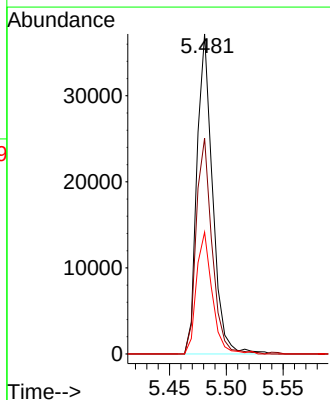
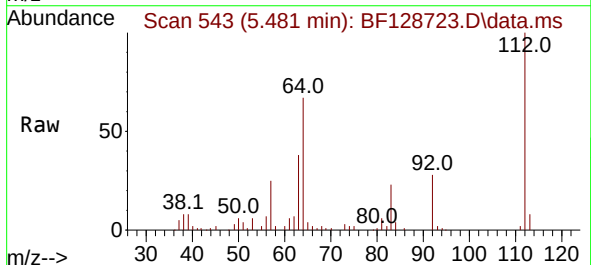
Instrument :
BNA_F
ClientSampleId :
21500DL

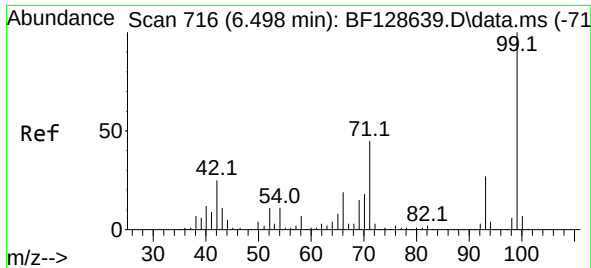
Tgt Ion:152 Resp: 77803
Ion Ratio Lower Upper
152 100
150 157.9 123.7 185.5
115 69.2 49.9 74.9



#5
2-Fluorophenol
Concen: 7.292 ng
RT: 5.481 min Scan# 543
Delta R.T. 0.006 min
Lab File: BF128723.D
Acq: 07 Jun 2022 18:46

Tgt Ion:112 Resp: 35617
Ion Ratio Lower Upper
112 100
64 67.4 53.3 79.9
63 38.0 28.0 42.0





#7

Phenol-d6

Concen: 7.129 ng

RT: 6.498 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF128723.D

Acq: 07 Jun 2022 18:46

Instrument :

BNA_F

ClientSampleId :

21500DL

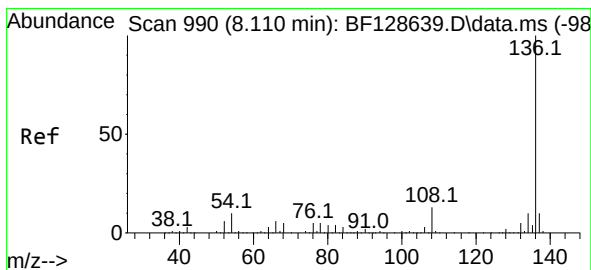
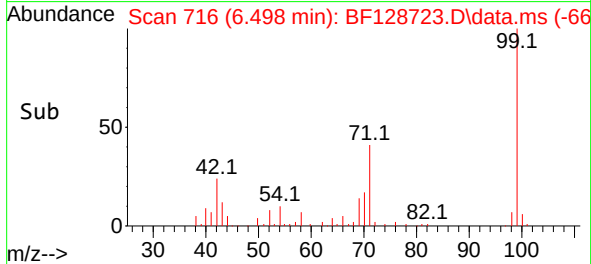
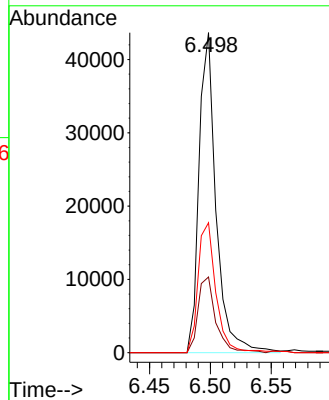
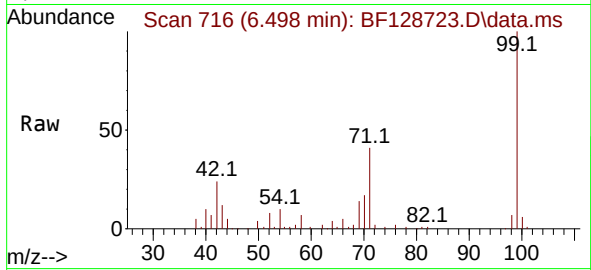
Tgt Ion: 99 Resp: 42506

Ion Ratio Lower Upper

99 100

42 23.6 17.3 25.9

71 40.6 28.9 43.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.110 min Scan# 990

Delta R.T. 0.000 min

Lab File: BF128723.D

Acq: 07 Jun 2022 18:46

Tgt Ion: 136 Resp: 275021

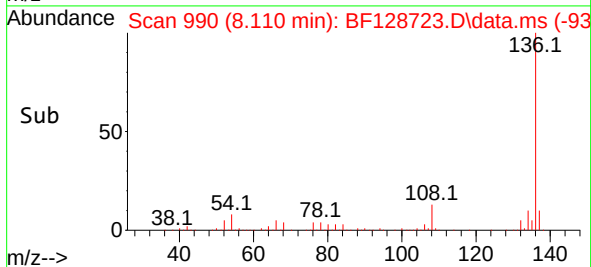
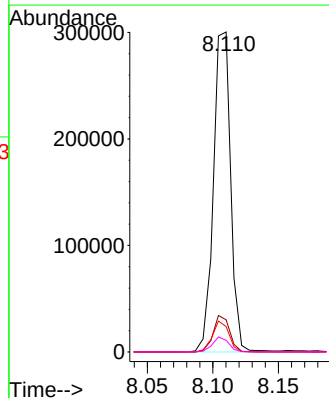
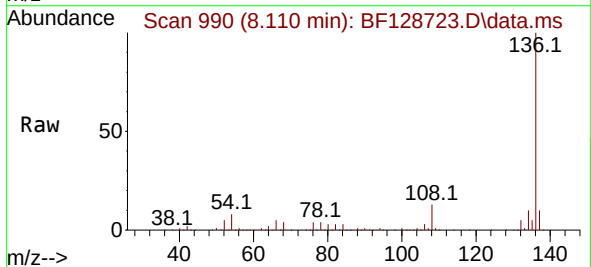
Ion Ratio Lower Upper

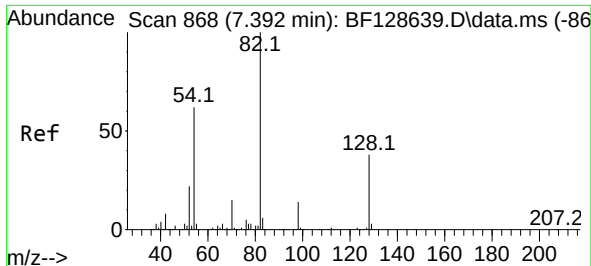
136 100

137 10.1 8.8 13.2

54 8.0 7.5 11.3

68 3.7 4.7 7.1#





#23

Nitrobenzene-d5

Concen: 5.096 ng

RT: 7.381 min Scan# 866

Delta R.T. -0.011 min

Lab File: BF128723.D

Acq: 07 Jun 2022 18:46

Instrument :

BNA_F

ClientSampleId :

21500DL

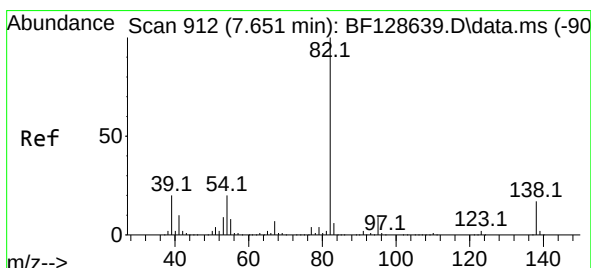
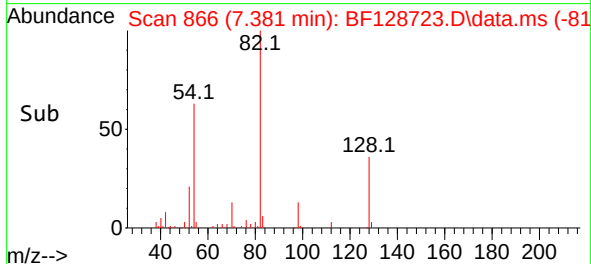
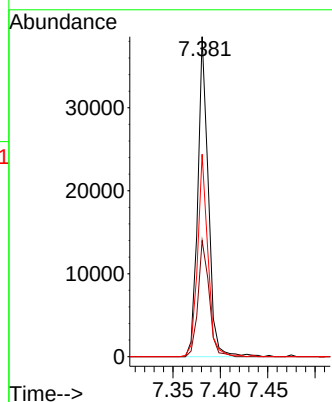
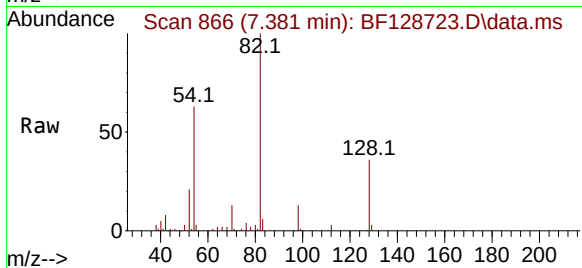
Tgt Ion: 82 Resp: 30102

Ion Ratio Lower Upper

82 100

128 36.3 34.0 51.0

54 63.3 46.9 70.3



#25

Isophorone

Concen: 3.355 ng

RT: 7.381 min Scan# 866

Delta R.T. -0.270 min

Lab File: BF128723.D

Acq: 07 Jun 2022 18:46

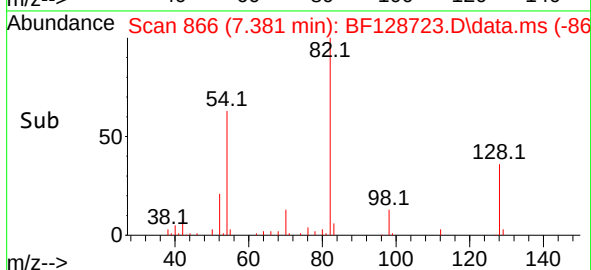
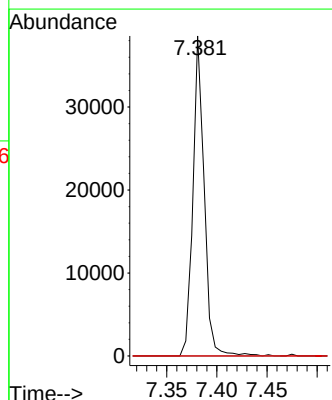
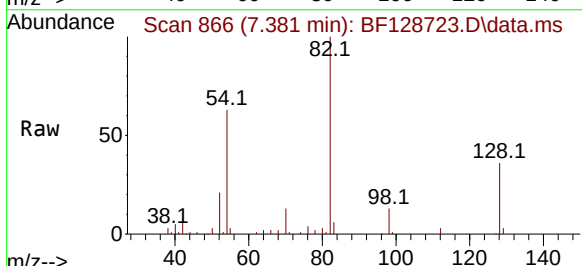
Tgt Ion: 82 Resp: 30101

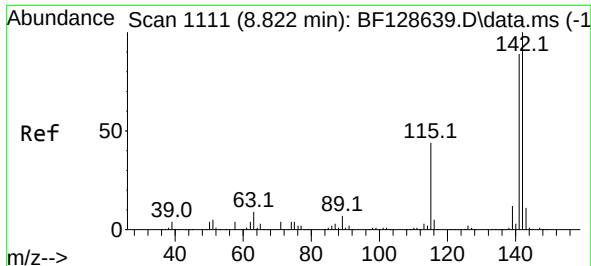
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.2#

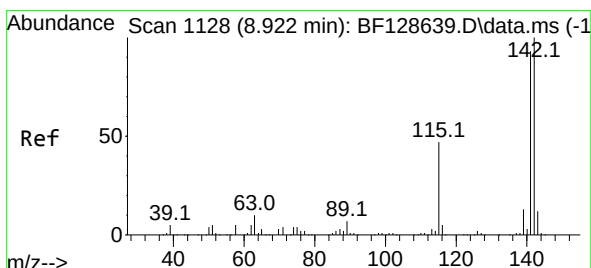
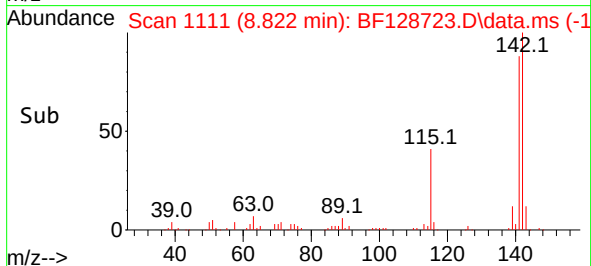
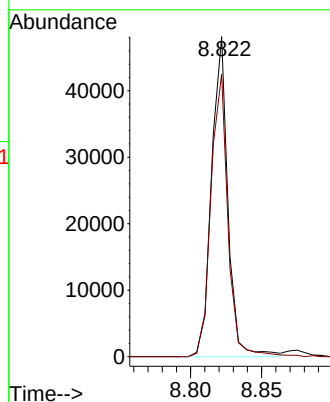
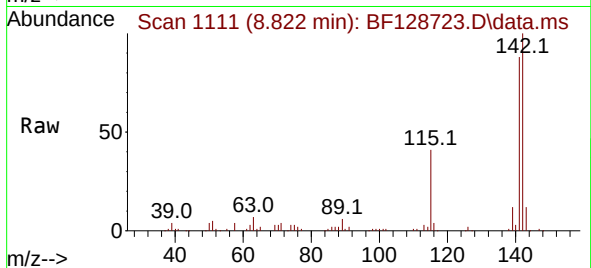




#37
2-Methylnaphthalene
Concen: 4.306 ng
RT: 8.822 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BF128723.D
Acq: 07 Jun 2022 18:46

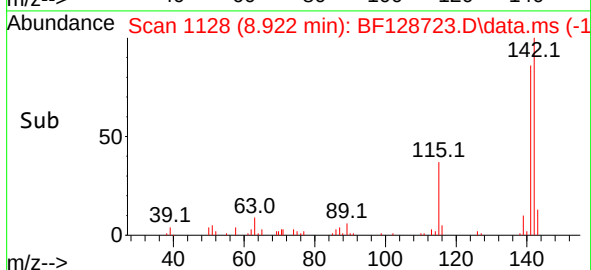
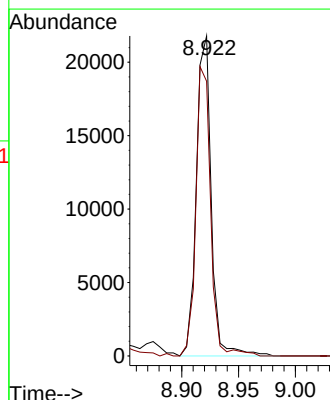
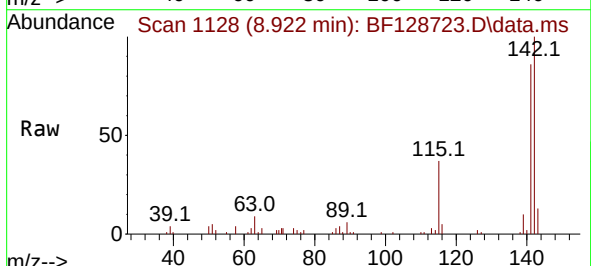
Instrument :
BNA_F
ClientSampleId :
21500DL

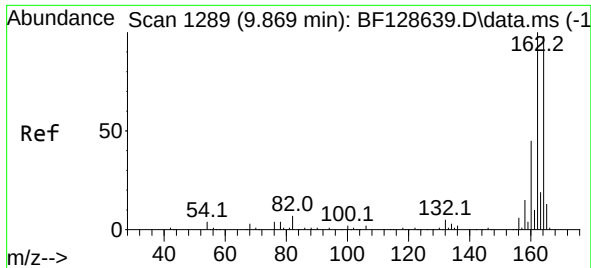
Tgt Ion:142 Resp: 38657
Ion Ratio Lower Upper
142 100
141 88.3 71.0 106.4



#38
1-Methylnaphthalene
Concen: 2.297 ng
RT: 8.922 min Scan# 1128
Delta R.T. 0.000 min
Lab File: BF128723.D
Acq: 07 Jun 2022 18:46

Tgt Ion:142 Resp: 19922
Ion Ratio Lower Upper
142 100
141 85.9 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128723.D

Acq: 07 Jun 2022 18:46

Instrument :

BNA_F

ClientSampleId :

21500DL

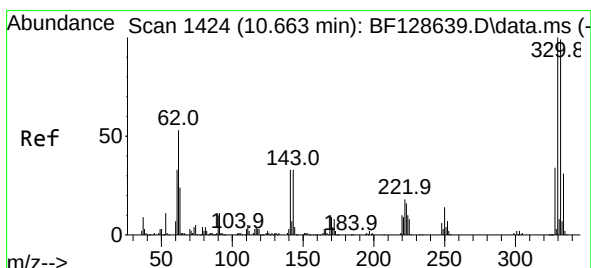
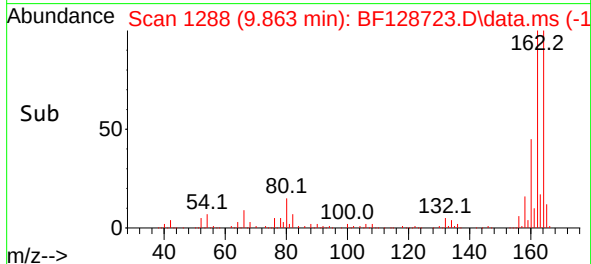
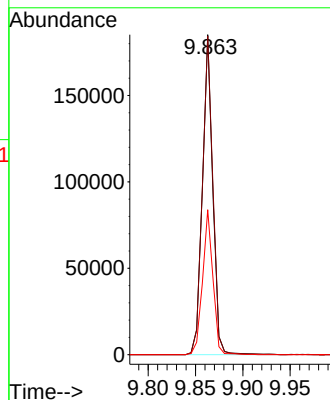
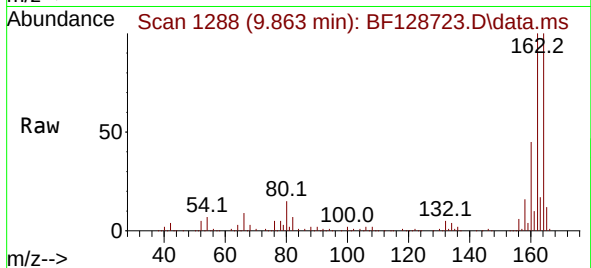
Tgt Ion:164 Resp: 140899

Ion Ratio Lower Upper

164 100

162 99.6 79.5 119.3

160 45.3 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 4.938 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF128723.D

Acq: 07 Jun 2022 18:46

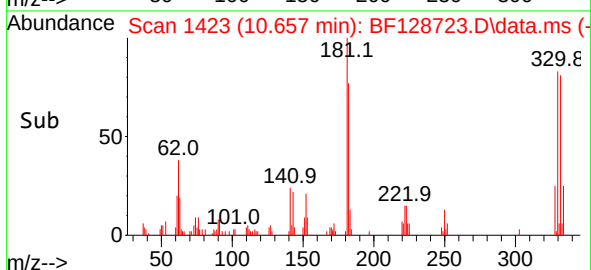
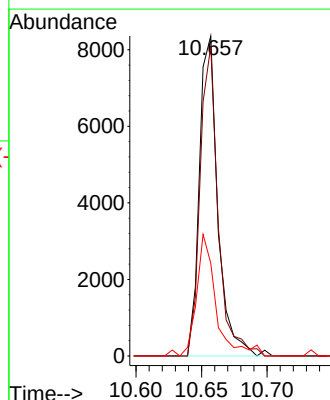
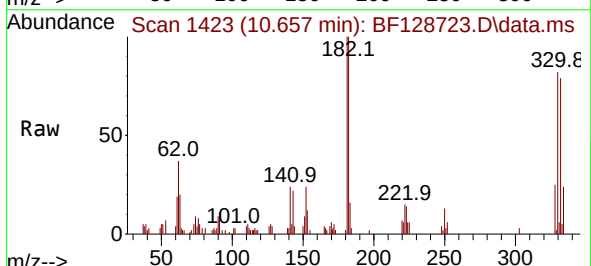
Tgt Ion:330 Resp: 8221

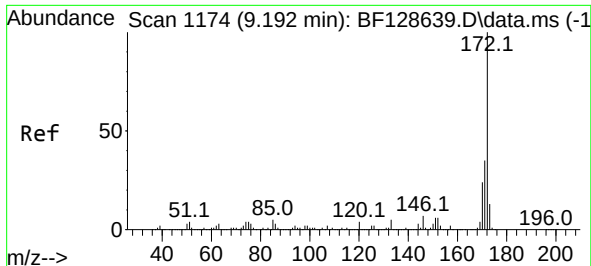
Ion Ratio Lower Upper

330 100

332 93.9 76.8 115.2

141 40.1 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 4.267 ng

RT: 9.181 min Scan# 1172

Delta R.T. -0.011 min

Lab File: BF128723.D

Acq: 07 Jun 2022 18:46

Instrument :

BNA_F

ClientSampleId :

21500DL

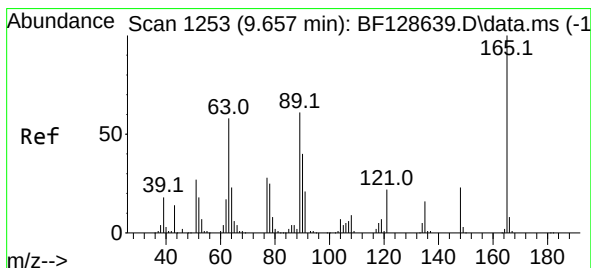
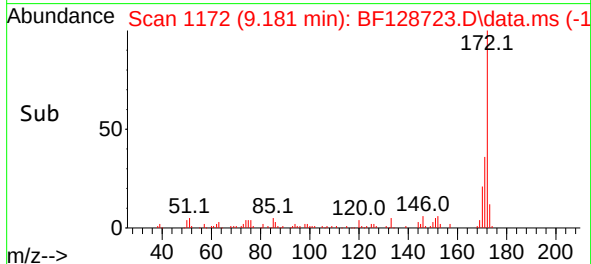
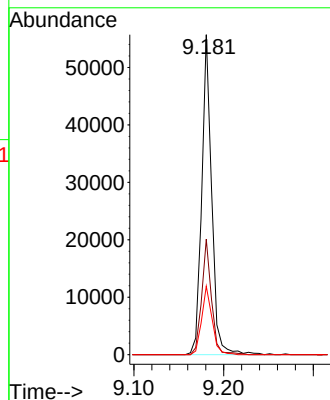
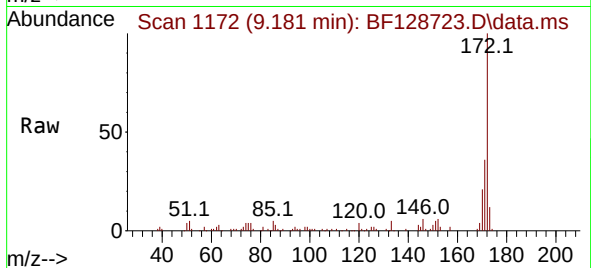
Tgt Ion:172 Resp: 42921

Ion Ratio Lower Upper

172 100

171 36.1 28.8 43.2

170 21.4 19.8 29.8



#51

2,6-Dinitrotoluene

Concen: 9.956 ng

RT: 9.863 min Scan# 1288

Delta R.T. 0.206 min

Lab File: BF128723.D

Acq: 07 Jun 2022 18:46

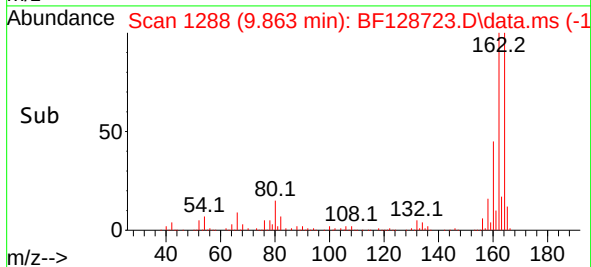
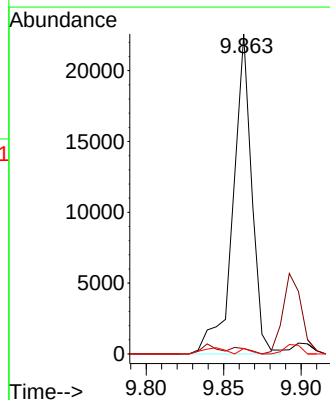
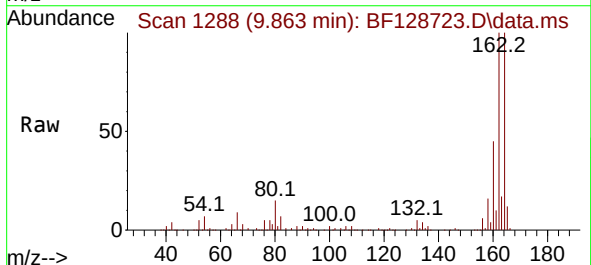
Tgt Ion:165 Resp: 18952

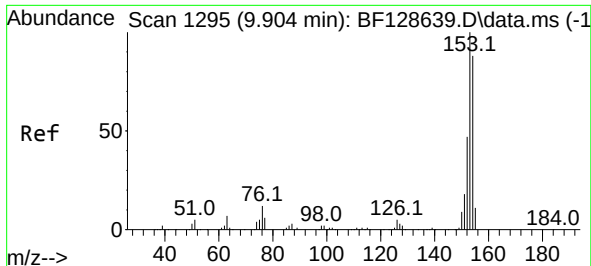
Ion Ratio Lower Upper

165 100

63 1.7 44.9 67.3#

89 1.7 43.6 65.4#

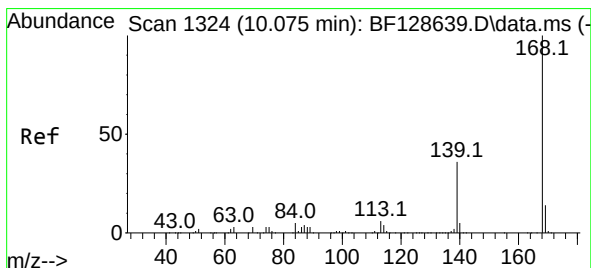
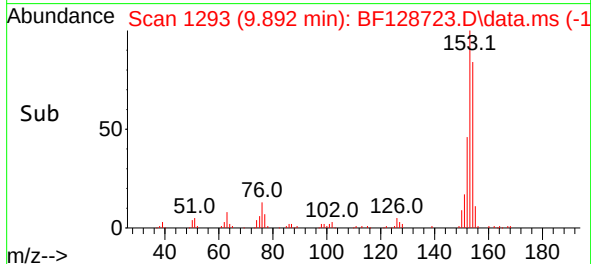
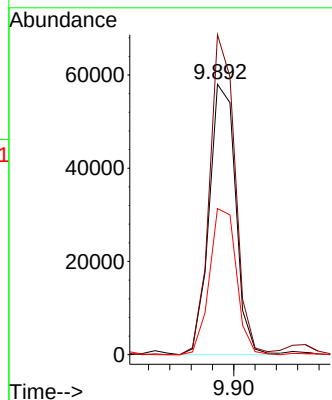
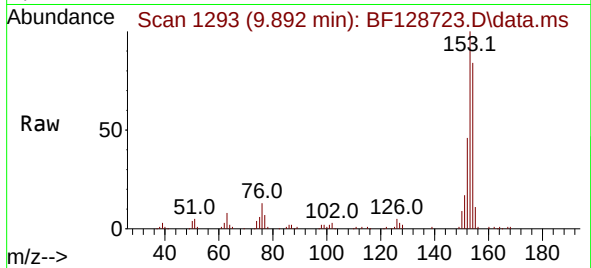




#52
Acenaphthene
Concen: 6.242 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128723.D
Acq: 07 Jun 2022 18:46

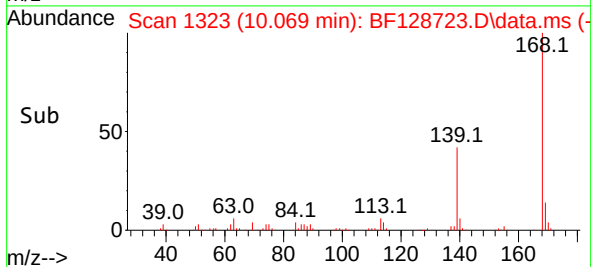
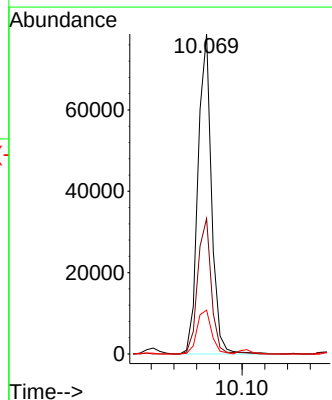
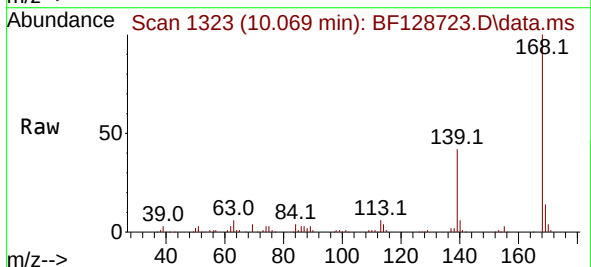
Instrument :
BNA_F
ClientSampleId :
21500DL

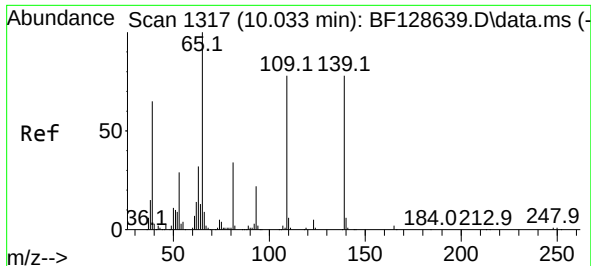
Tgt Ion:154 Resp: 50202
Ion Ratio Lower Upper
154 100
153 118.4 89.6 134.4
152 54.0 42.4 63.6



#55
Dibenzofuran
Concen: 5.624 ng
RT: 10.069 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF128723.D
Acq: 07 Jun 2022 18:46

Tgt Ion:168 Resp: 65006
Ion Ratio Lower Upper
168 100
139 42.3 30.6 46.0
169 13.7 11.0 16.6

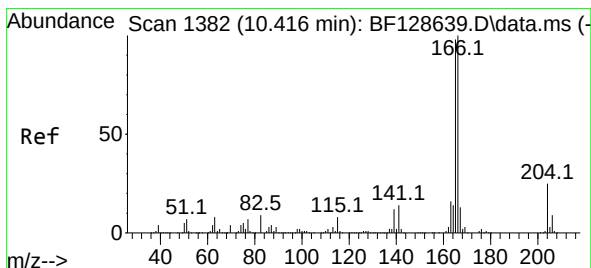
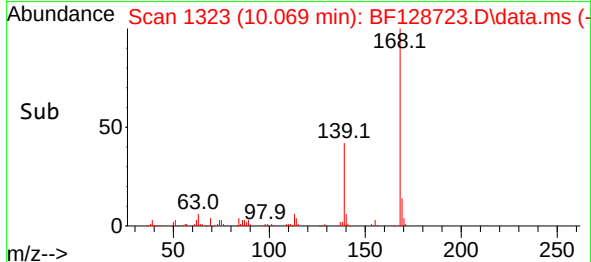
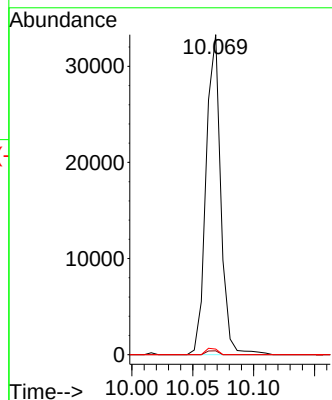
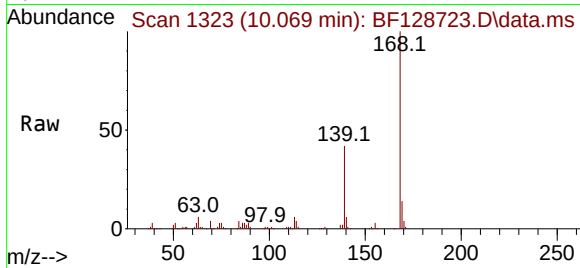




#56
4-Nitrophenol
Concen: 18.583 ng
RT: 10.069 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF128723.D
Acq: 07 Jun 2022 18:46

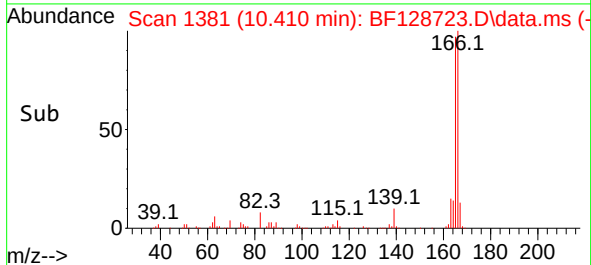
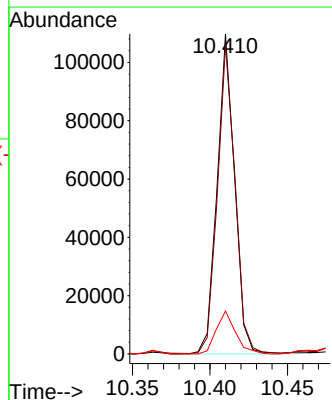
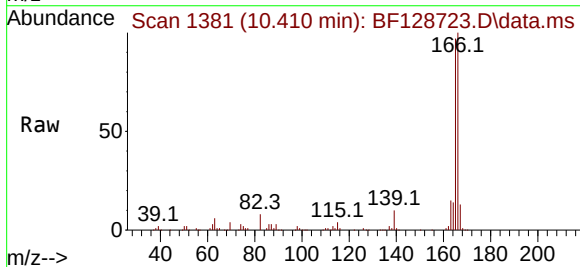
Instrument :
BNA_F
ClientSampleId :
21500DL

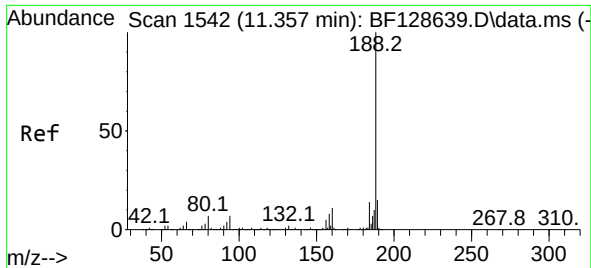
Tgt Ion:139 Resp: 27829
Ion Ratio Lower Upper
139 100
109 1.2 50.7 90.7#
65 1.8 74.5 114.5#



#58
Fluorene
Concen: 9.620 ng
RT: 10.410 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF128723.D
Acq: 07 Jun 2022 18:46

Tgt Ion:166 Resp: 86230
Ion Ratio Lower Upper
166 100
165 96.5 78.1 117.1
167 13.4 10.5 15.7

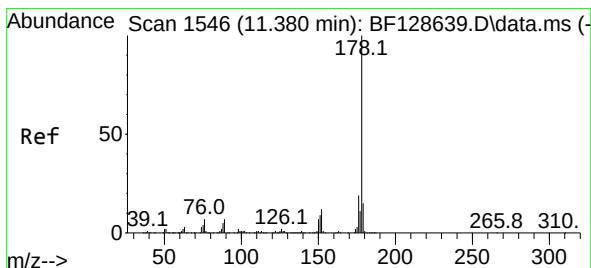
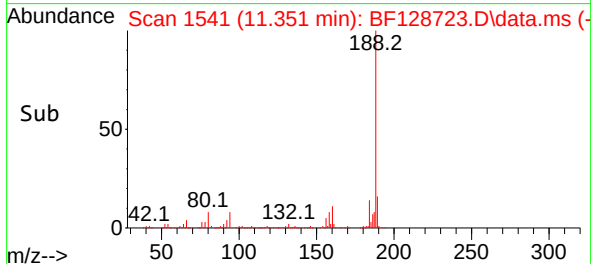
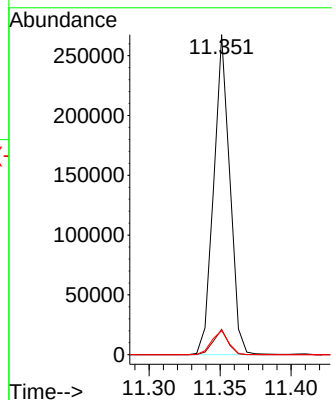
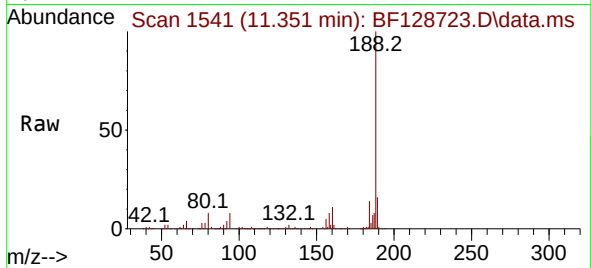




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128723.D
Acq: 07 Jun 2022 18:46

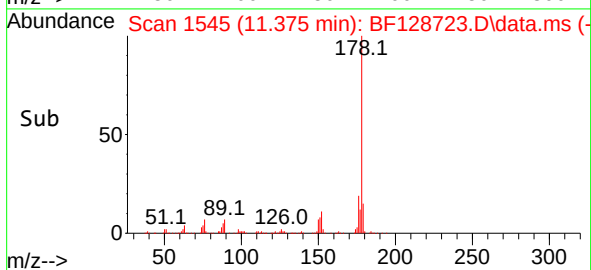
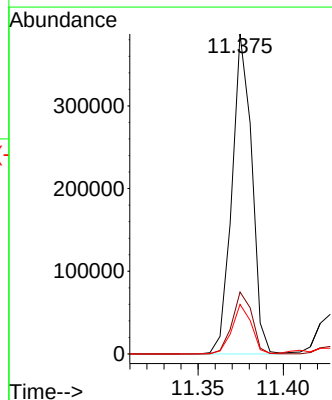
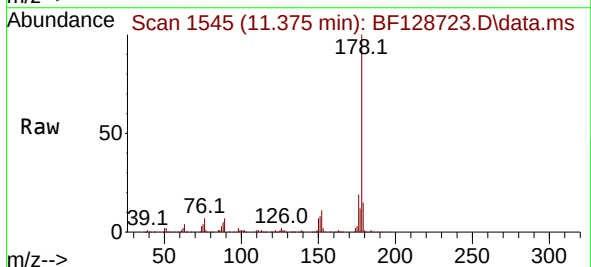
Instrument :
BNA_F
ClientSampleId :
21500DL

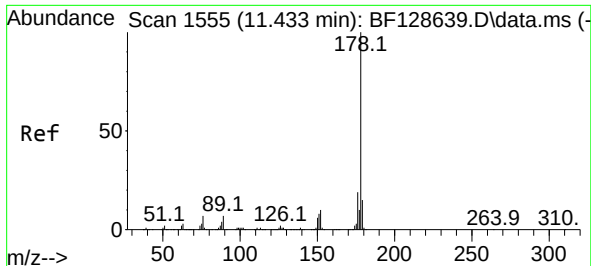
Tgt Ion:188 Resp: 211941
Ion Ratio Lower Upper
188 100
94 7.9 7.0 10.6
80 7.5 7.6 11.4#



#71
Phenanthrene
Concen: 29.489 ng
RT: 11.375 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF128723.D
Acq: 07 Jun 2022 18:46

Tgt Ion:178 Resp: 313488
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.5 12.6 19.0

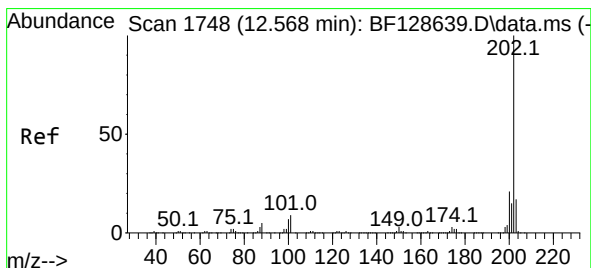
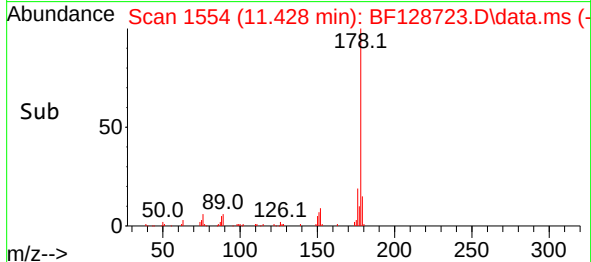
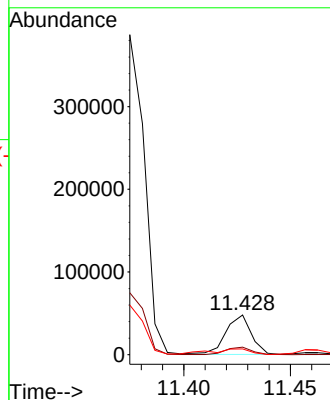
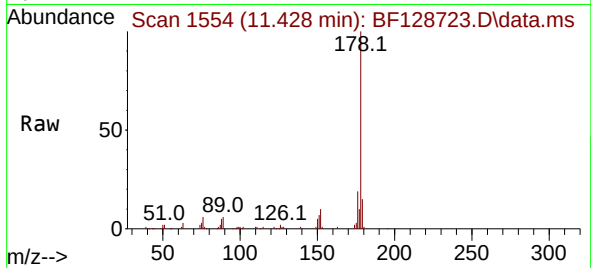




#72
 Anthracene
 Concen: 3.808 ng
 RT: 11.428 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128723.D
 Acq: 07 Jun 2022 18:46

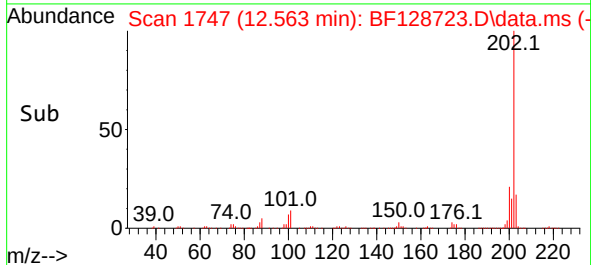
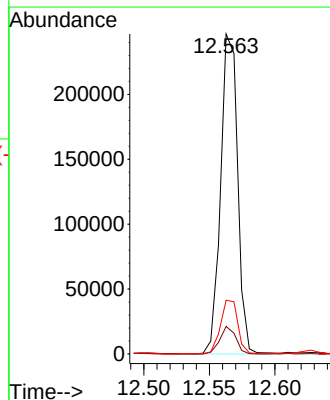
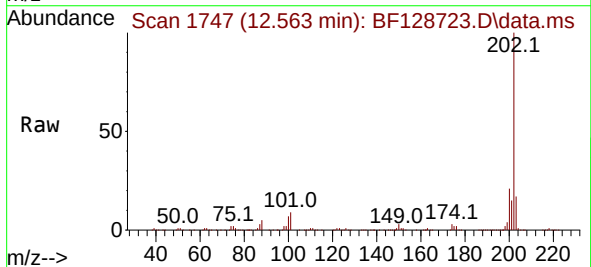
Instrument :
 BNA_F
 ClientSampleId :
 21500DL

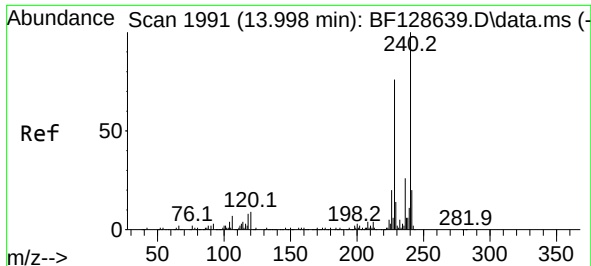
Tgt Ion:178 Resp: 40067
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 14.6 12.6 19.0



#75
 Fluoranthene
 Concen: 19.969 ng
 RT: 12.563 min Scan# 1747
 Delta R.T. -0.006 min
 Lab File: BF128723.D
 Acq: 07 Jun 2022 18:46

Tgt Ion:202 Resp: 221898
 Ion Ratio Lower Upper
 202 100
 101 8.6 0.0 31.4
 203 16.8 0.0 38.0

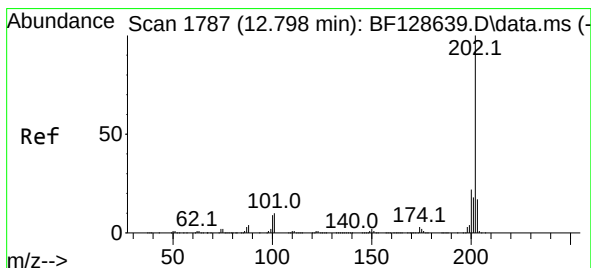
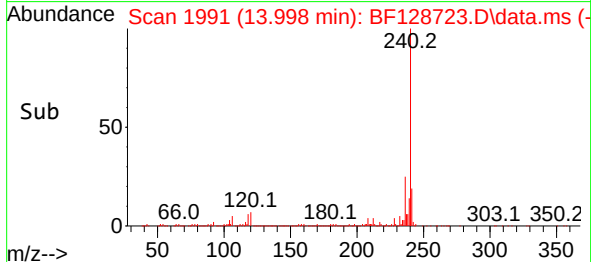
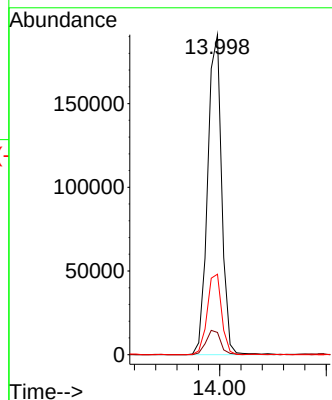
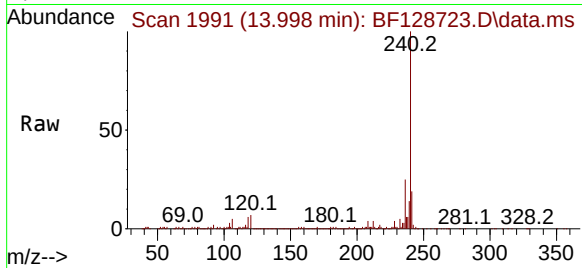




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BF128723.D
Acq: 07 Jun 2022 18:46

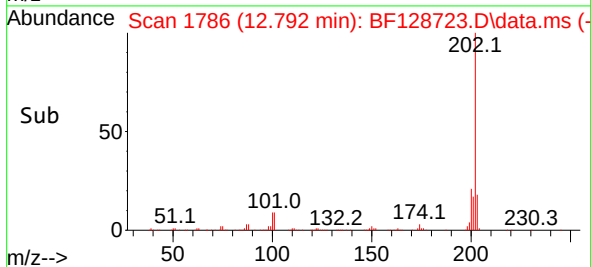
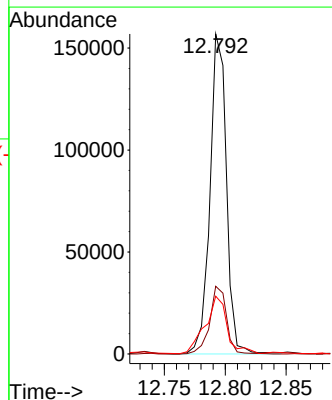
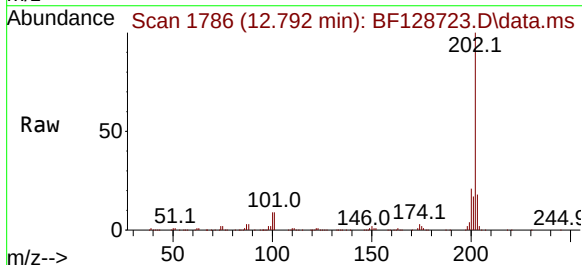
Instrument :
BNA_F
ClientSampleId :
21500DL

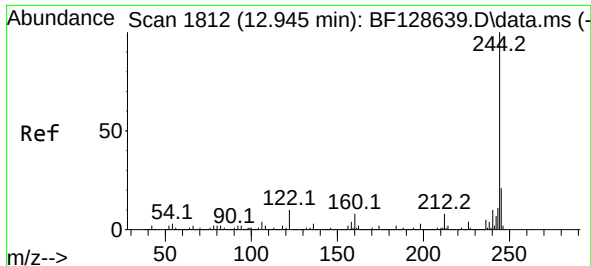
Tgt Ion:240 Resp: 174901
Ion Ratio Lower Upper
240 100
120 6.9 8.9 13.3#
236 25.2 20.8 31.2



#78
Pyrene
Concen: 11.338 ng
RT: 12.792 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF128723.D
Acq: 07 Jun 2022 18:46

Tgt Ion:202 Resp: 147541
Ion Ratio Lower Upper
202 100
200 21.1 17.7 26.5
203 18.0 14.6 21.8

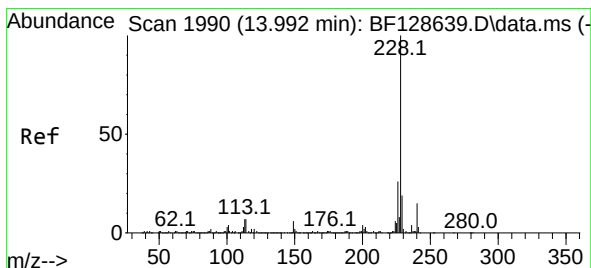
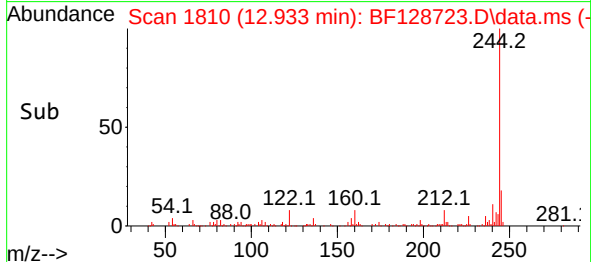
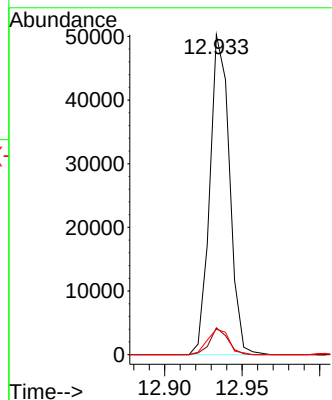
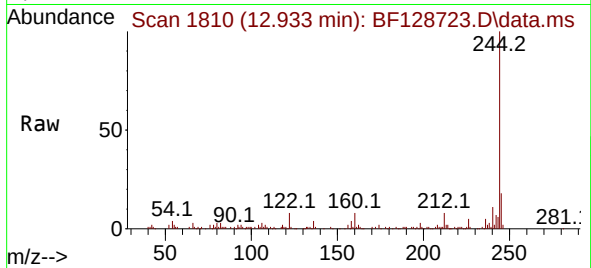




#79
 Terphenyl-d14
 Concen: 4.417 ng
 RT: 12.933 min Scan# 1812
 Delta R.T. -0.012 min
 Lab File: BF128723.D
 Acq: 07 Jun 2022 18:46

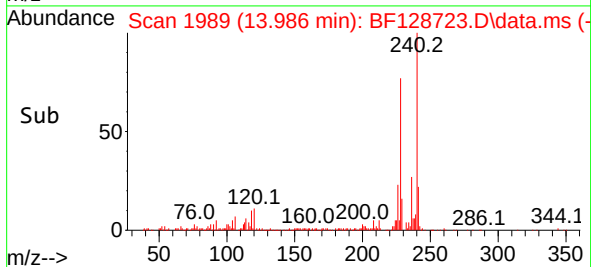
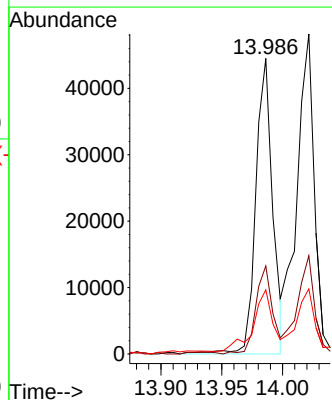
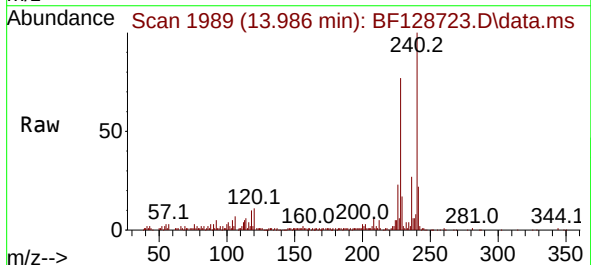
Instrument :
 BNA_F
 ClientSampleId :
 21500DL

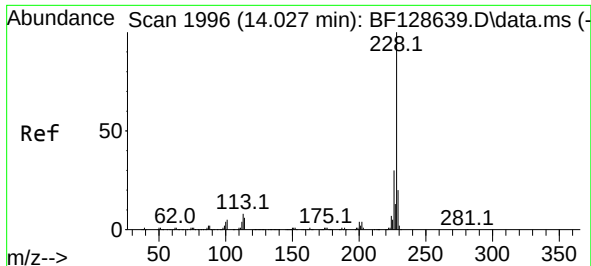
Tgt Ion:244 Resp: 44457
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.1 9.1
 122 8.0 8.8 13.2#



#81
 Benzo(a)anthracene
 Concen: 3.949 ng
 RT: 13.986 min Scan# 1989
 Delta R.T. -0.006 min
 Lab File: BF128723.D
 Acq: 07 Jun 2022 18:46

Tgt Ion:228 Resp: 43057
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.1 33.1
 229 21.7 15.8 23.8

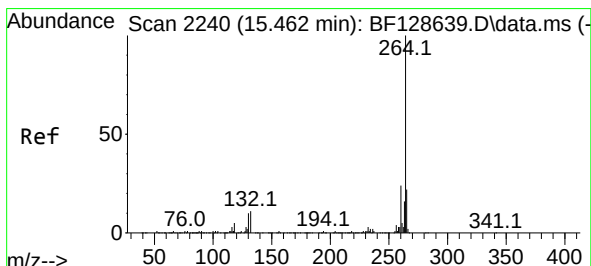
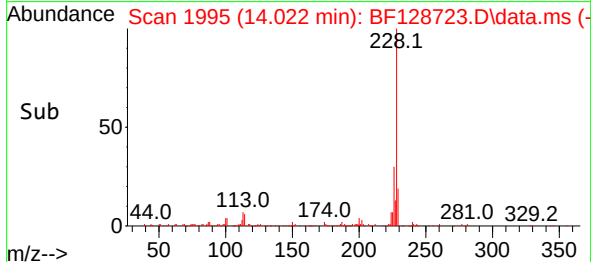
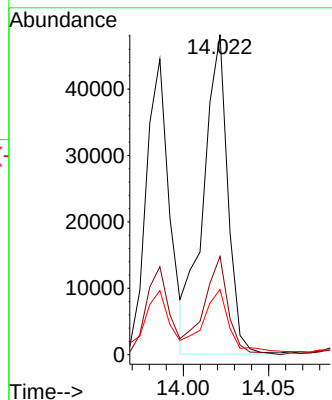
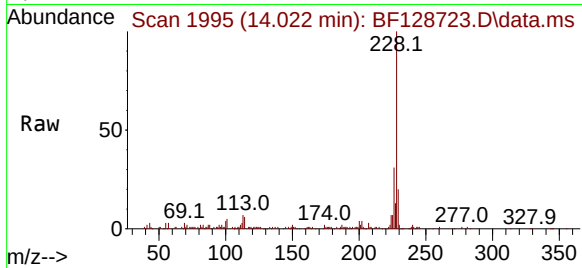




#83
Chrysene
Concen: 4.632 ng
RT: 14.022 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128723.D
Acq: 07 Jun 2022 18:46

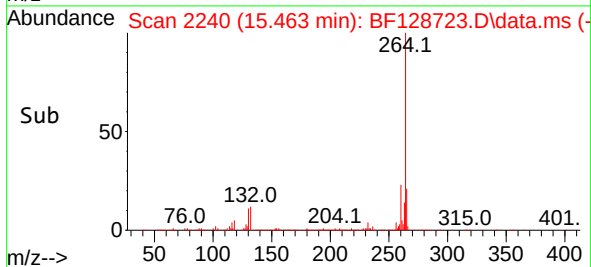
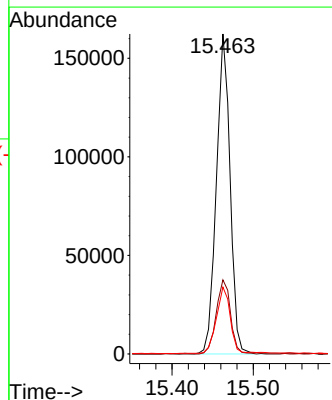
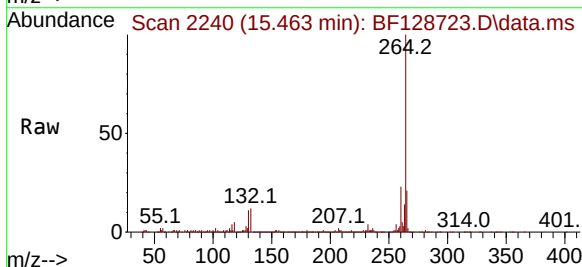
Instrument :
BNA_F
ClientSampleId :
21500DL

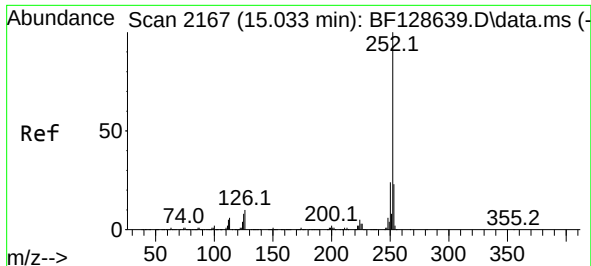
Tgt Ion:228 Resp: 48142
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 20.3 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2240
Delta R.T. 0.001 min
Lab File: BF128723.D
Acq: 07 Jun 2022 18:46

Tgt Ion:264 Resp: 190525
Ion Ratio Lower Upper
264 100
260 23.2 18.4 27.6
265 20.9 17.2 25.8

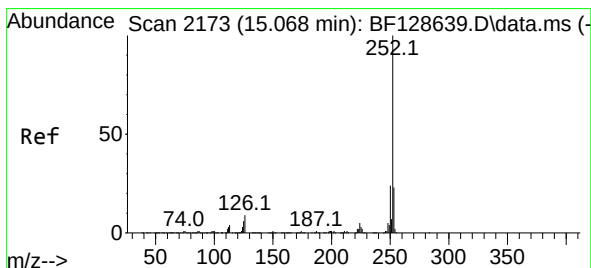
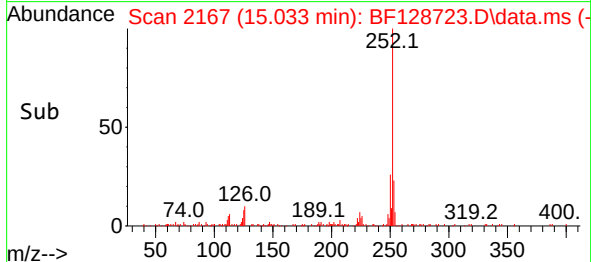
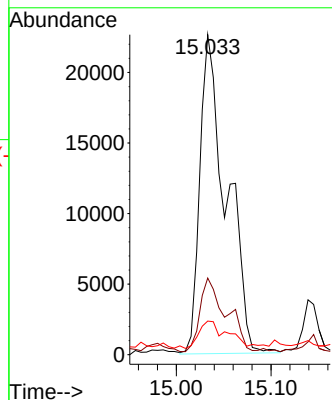
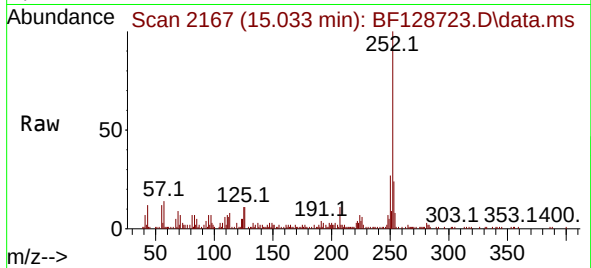




#88
Benzo(b)fluoranthene
Concen: 3.618 ng
RT: 15.033 min Scan# 2167
Delta R.T. 0.000 min
Lab File: BF128723.D
Acq: 07 Jun 2022 18:46

Instrument :
BNA_F
ClientSampleId :
21500DL

Tgt Ion:252 Resp: 44046
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 10.5 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 3.846 ng
RT: 15.033 min Scan# 2167
Delta R.T. -0.035 min
Lab File: BF128723.D
Acq: 07 Jun 2022 18:46

Tgt Ion:252 Resp: 44046
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 10.5 8.3 12.5

