

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061522\
 Data File : BF128823.D
 Acq On : 15 Jun 2022 13:36
 Operator : CG\JU
 Sample : N3337-01DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061322DL

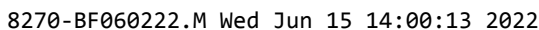
Quant Time: Jun 15 14:00:04 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 14 14:53:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	87245	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	340534	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	194024	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	307923	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	190446	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	182511	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	44972	8.211	ng	0.00
7) Phenol-d6	6.434	99	60808	9.095	ng	0.00
23) Nitrobenzene-d5	7.339	82	41615	5.690	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	12565	5.481	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	85067	6.142	ng	0.00
79) Terphenyl-d14	12.898	244	66893	6.103	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.339	82	41614	3.746	ng	# 65
31) Naphthalene	8.086	128	131233	7.509	ng	99
33) 4-Chloroaniline	8.086	127	17500	2.656	ng	# 31
37) 2-Methylnaphthalene	8.775	142	33021	2.971	ng	95
38) 1-Methylnaphthalene	8.875	142	26969	2.511	ng	97
51) 2,6-Dinitrotoluene	9.822	165	27090	10.335	ng	# 25
52) Acenaphthene	9.851	154	116451	10.515	ng	98
55) Dibenzofuran	10.027	168	129665	8.147	ng	98
56) 4-Nitrophenol	10.022	139	54532	26.444	ng	# 10
58) Fluorene	10.369	166	166197	13.465	ng	98
71) Phenanthrene	11.339	178	1150417	74.486	ng	99
72) Anthracene	11.386	178	366152	23.952	ng	98
73) Carbazole	11.545	167	57787	4.070	ng	99
75) Fluoranthene	12.533	202	1299520	80.494	ng	97
78) Pyrene	12.763	202	1048014	73.965	ng	99
81) Benzo(a)anthracene	13.951	228	529403	44.596	ng	99
83) Chrysene	13.986	228	434116	38.357	ng	97
87) Indeno(1,2,3-cd)pyrene	16.856	276	181689	16.517	ng	# 86
88) Benzo(b)fluoranthene	14.998	252	734251	62.960	ng	# 98
89) Benzo(k)fluoranthene	15.292	252	229822	20.949	ng	99
90) Benzo(a)pyrene	15.292	252	238401	26.009	ng	97
91) Dibenzo(a,h)anthracene	17.080	278	20560	2.253	ng	96
92) Benzo(g,h,i)perylene	17.292	276	157147	17.377	ng	# 90

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

Quant Time: Jun 15 14:00:04 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
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QLast Update : Tue Jun 14 14:53:53 2022
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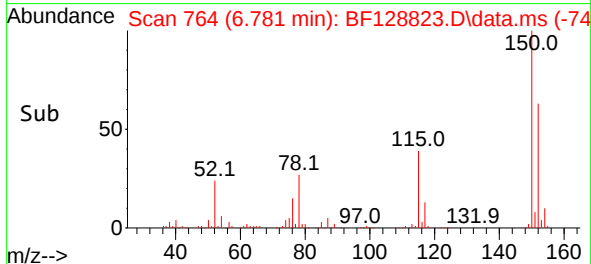
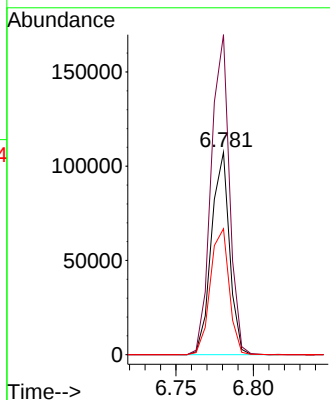
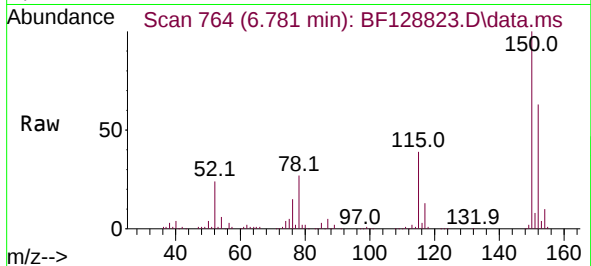




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

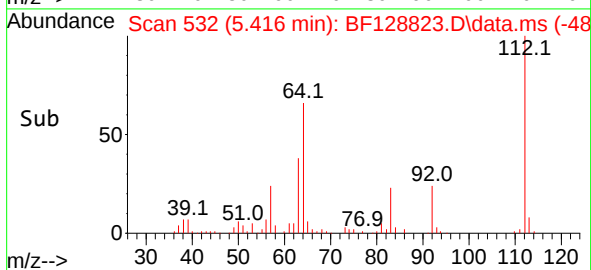
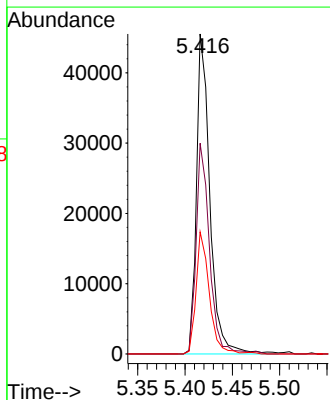
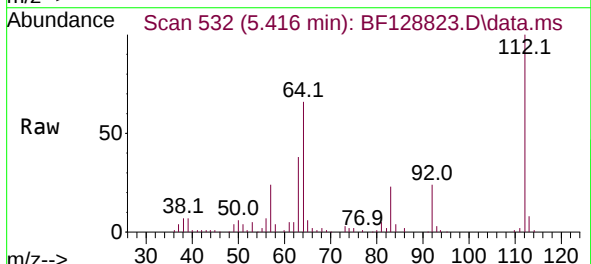
Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL

Tgt Ion:152 Resp: 87245
Ion Ratio Lower Upper
152 100
150 158.1 123.7 185.5
115 62.2 49.9 74.9



#5
2-Fluorophenol
Concen: 8.211 ng
RT: 5.416 min Scan# 532
Delta R.T. -0.000 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

Tgt Ion:112 Resp: 44972
Ion Ratio Lower Upper
112 100
64 65.8 53.3 79.9
63 38.1 28.0 42.0

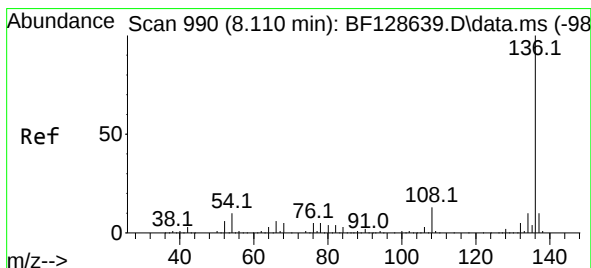
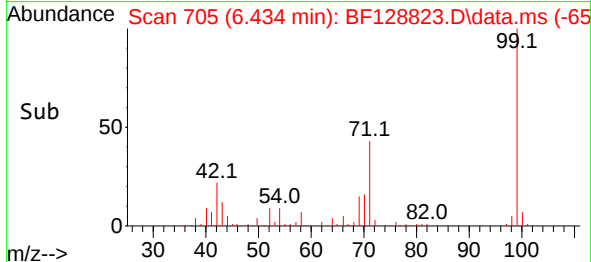
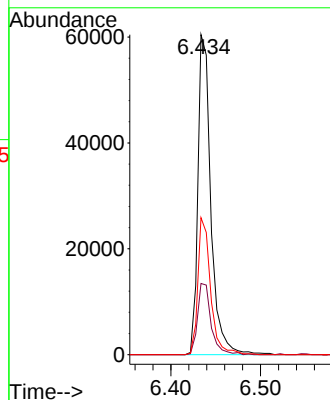
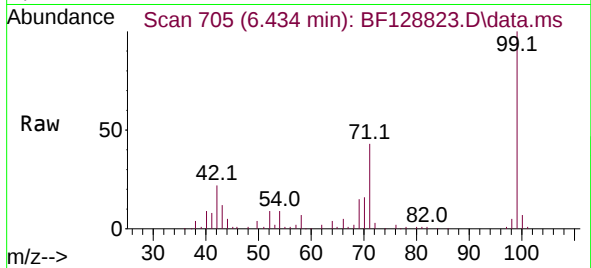




#7
Phenol-d6
Concen: 9.095 ng
RT: 6.434 min Scan# 705
Delta R.T. -0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

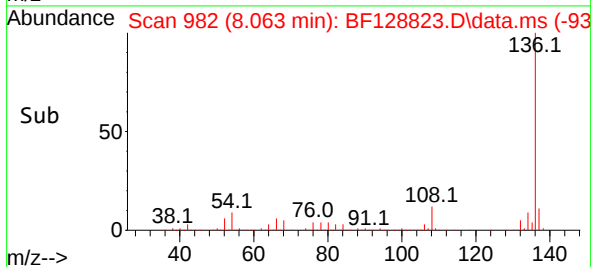
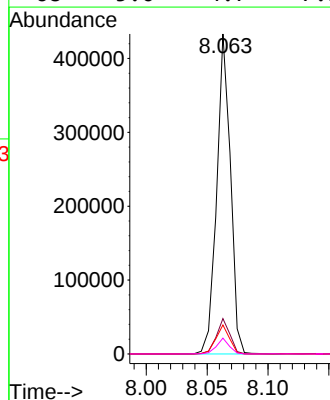
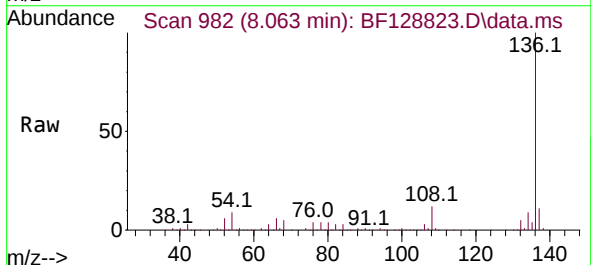
Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL

Tgt Ion: 99 Resp: 60808
Ion Ratio Lower Upper
99 100
42 22.3 17.3 25.9
71 42.8 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

Tgt Ion: 136 Resp: 340534
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 9.1 7.5 11.3
68 5.0 4.7 7.1





#23

Nitrobenzene-d5

Concen: 5.690 ng

RT: 7.339 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128823.D

Acq: 15 Jun 2022 13:36

Instrument :

BNA_F

ClientSampleId :

SU-02-061322DL

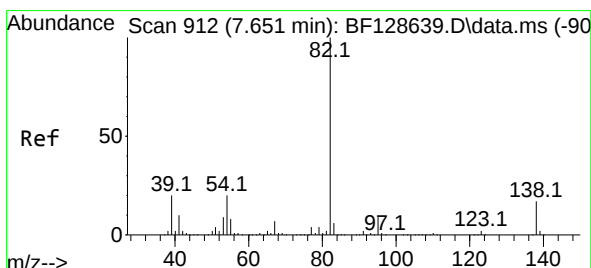
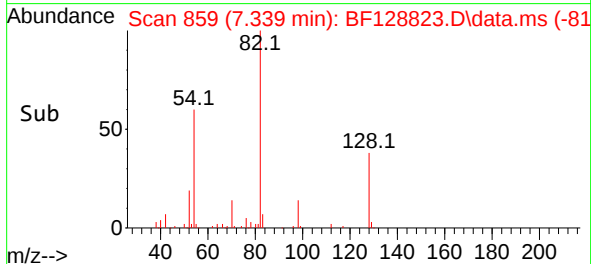
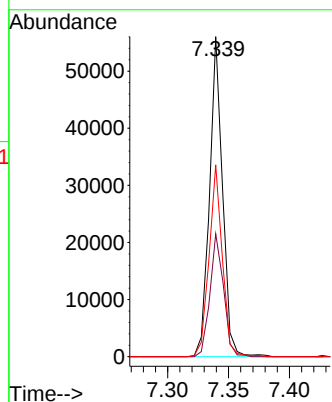
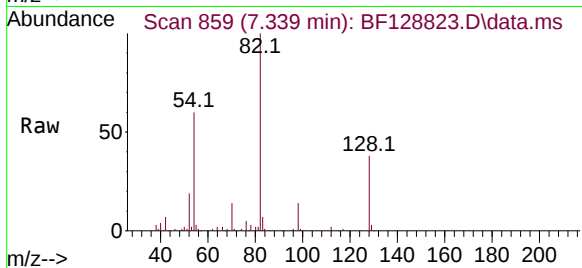
Tgt Ion: 82 Resp: 41615

Ion Ratio Lower Upper

82 100

128 38.4 34.0 51.0

54 60.0 46.9 70.3



#25

Isophorone

Concen: 3.746 ng

RT: 7.339 min Scan# 859

Delta R.T. -0.271 min

Lab File: BF128823.D

Acq: 15 Jun 2022 13:36

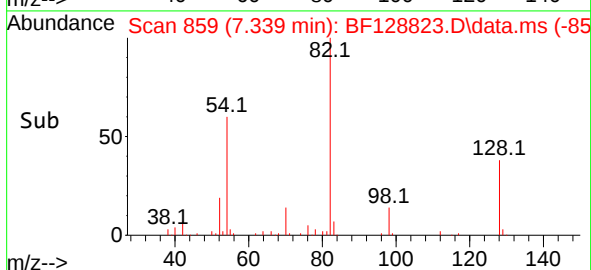
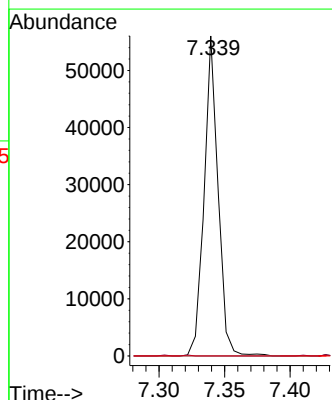
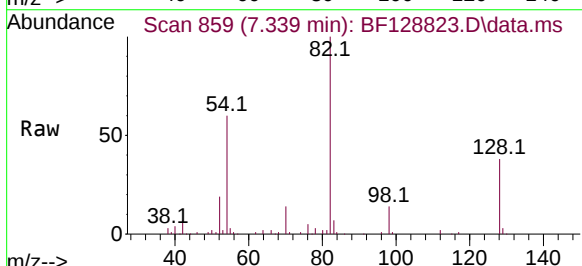
Tgt Ion: 82 Resp: 41614

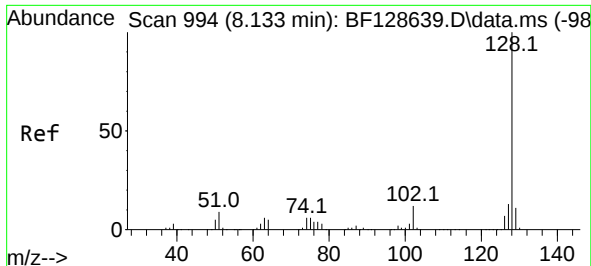
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.2#

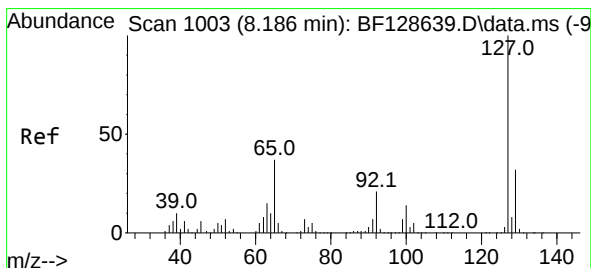
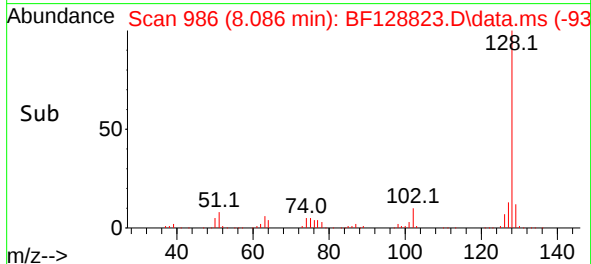
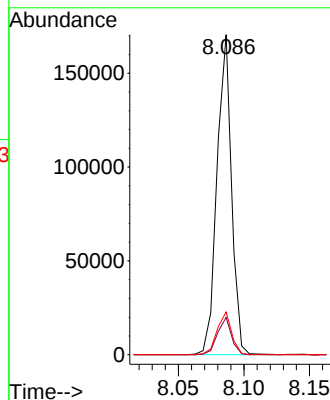
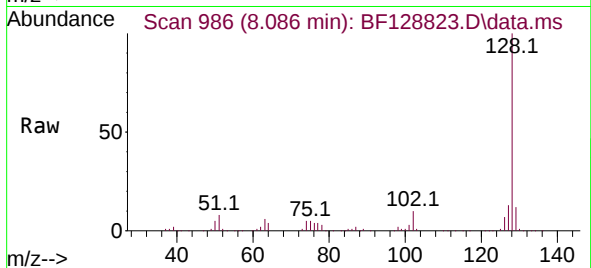




#31
Naphthalene
Concen: 7.509 ng
RT: 8.086 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

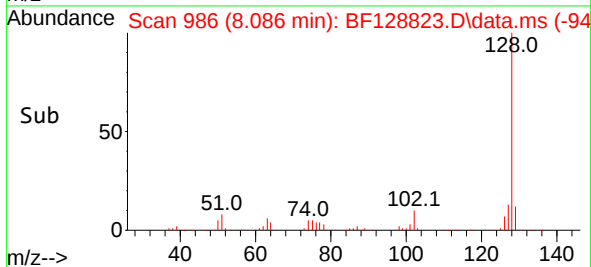
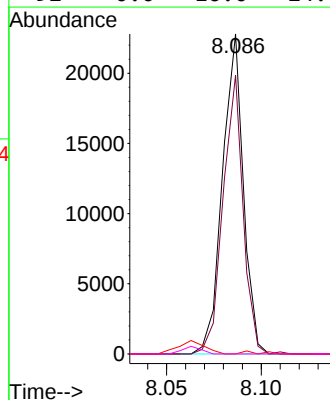
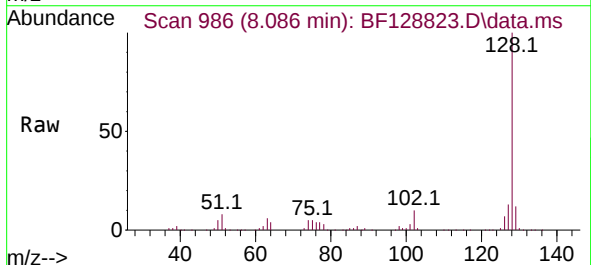
Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL

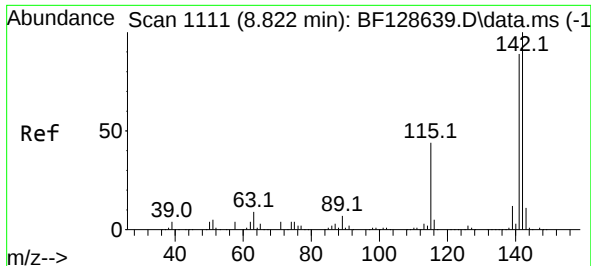
Tgt Ion:128 Resp: 131233
Ion Ratio Lower Upper
128 100
129 11.7 9.2 13.8
127 13.4 10.5 15.7



#33
4-Chloroaniline
Concen: 2.656 ng
RT: 8.086 min Scan# 986
Delta R.T. -0.059 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

Tgt Ion:127 Resp: 17500
Ion Ratio Lower Upper
127 100
129 87.2 26.4 39.6#
65 0.0 26.4 39.6#
92 0.0 16.0 24.0#





#37

2-Methylnaphthalene

Concen: 2.971 ng

RT: 8.775 min Scan# 1111

Delta R.T. -0.006 min

Lab File: BF128823.D

Acq: 15 Jun 2022 13:36

Instrument :

BNA_F

ClientSampleId :

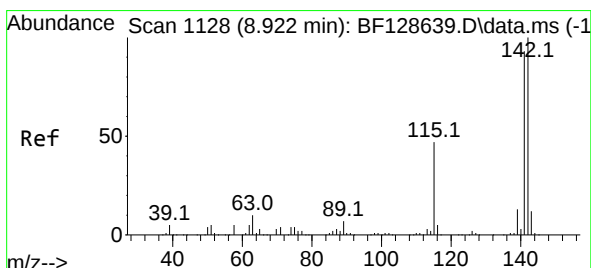
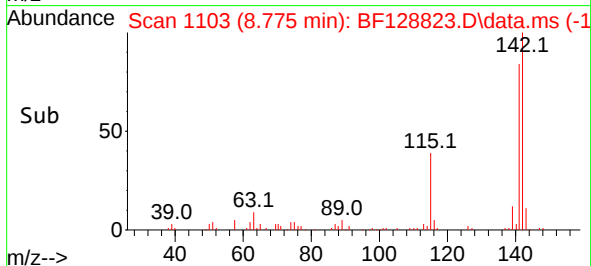
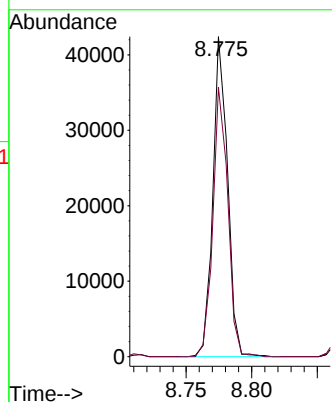
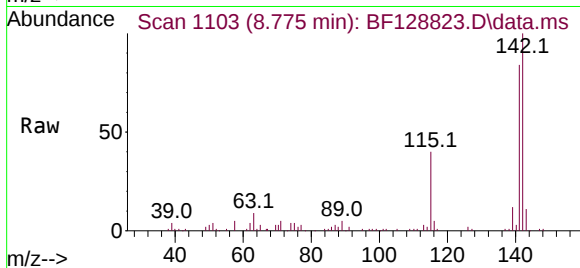
SU-02-061322DL

Tgt Ion:142 Resp: 33021

Ion Ratio Lower Upper

142 100

141 84.2 71.0 106.4



#38

1-Methylnaphthalene

Concen: 2.511 ng

RT: 8.875 min Scan# 1120

Delta R.T. -0.006 min

Lab File: BF128823.D

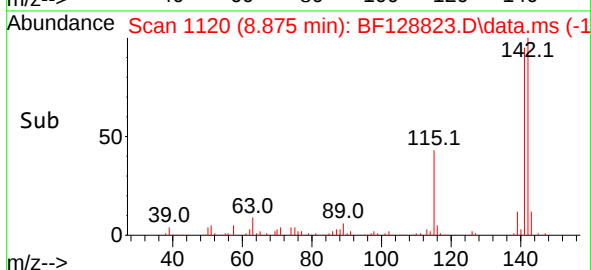
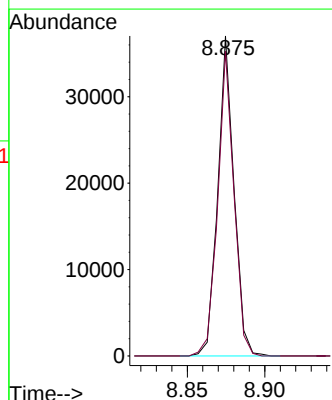
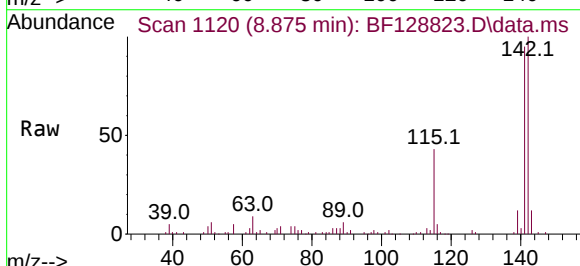
Acq: 15 Jun 2022 13:36

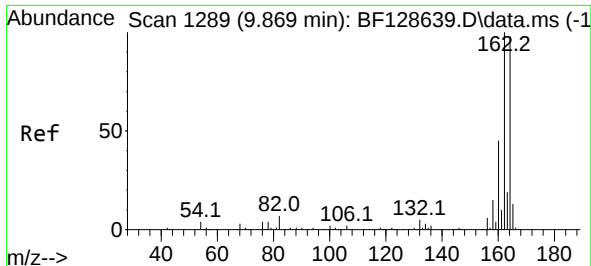
Tgt Ion:142 Resp: 26969

Ion Ratio Lower Upper

142 100

141 95.3 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128823.D

Acq: 15 Jun 2022 13:36

Instrument :

BNA_F

ClientSampleId :

SU-02-061322DL

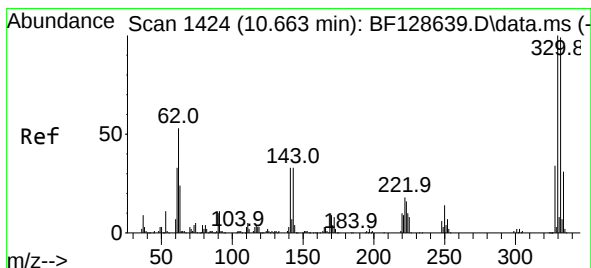
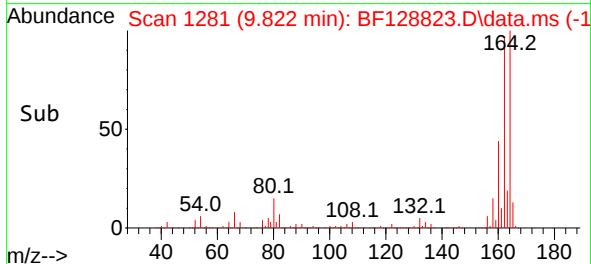
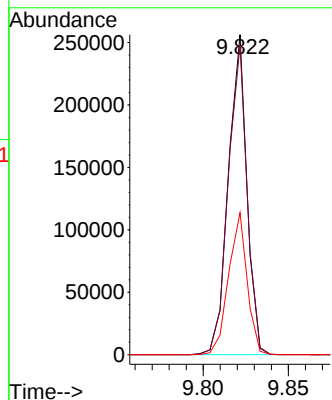
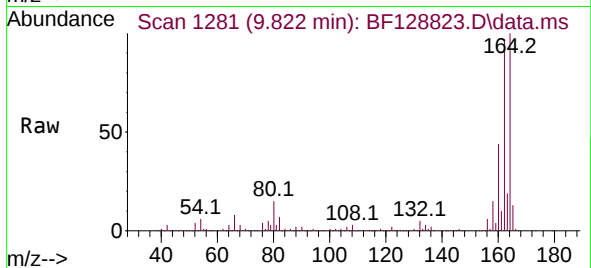
Tgt Ion:164 Resp: 194024

Ion Ratio Lower Upper

164 100

162 96.8 79.5 119.3

160 44.4 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 5.481 ng

RT: 10.610 min Scan# 1415

Delta R.T. -0.012 min

Lab File: BF128823.D

Acq: 15 Jun 2022 13:36

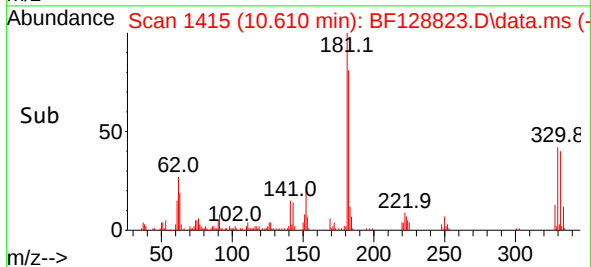
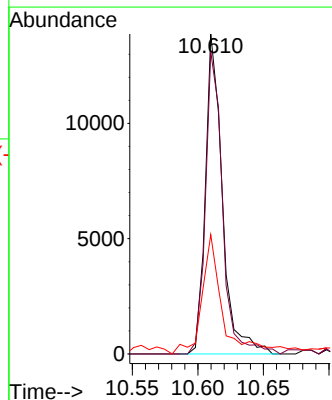
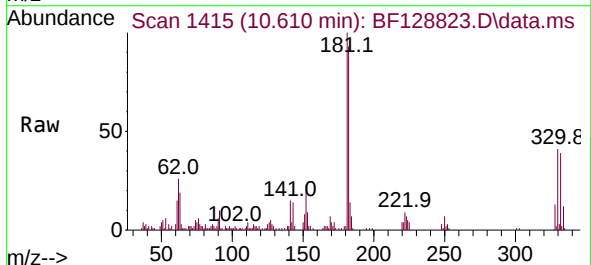
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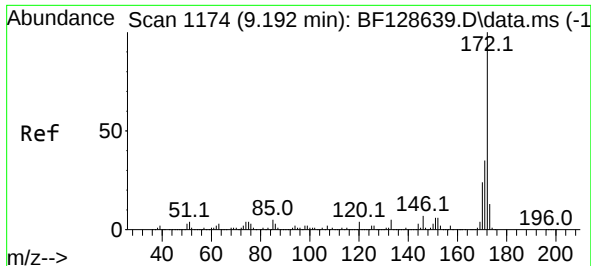
Ion Ratio Lower Upper

330 100

332 94.9 76.8 115.2

141 46.4 28.0 42.0#





#45

2-Fluorobiphenyl

Concen: 6.142 ng

RT: 9.139 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF128823.D

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SU-02-061322DL

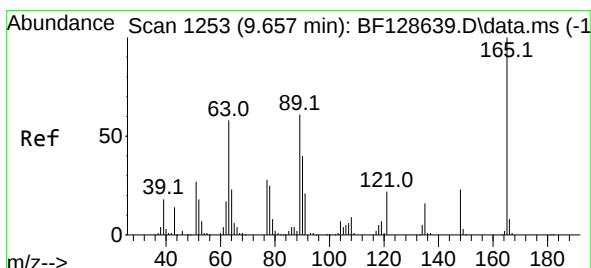
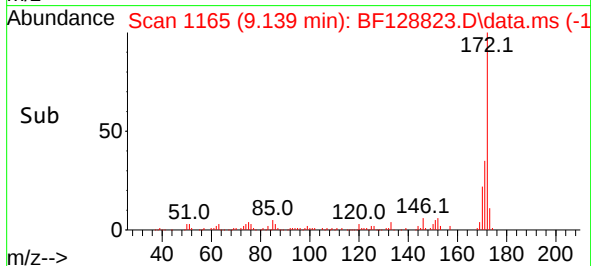
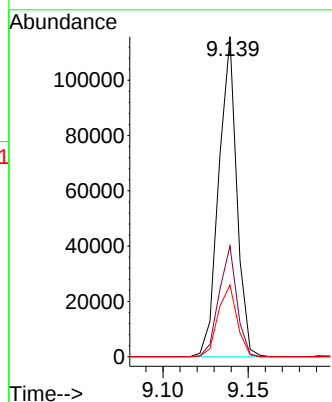
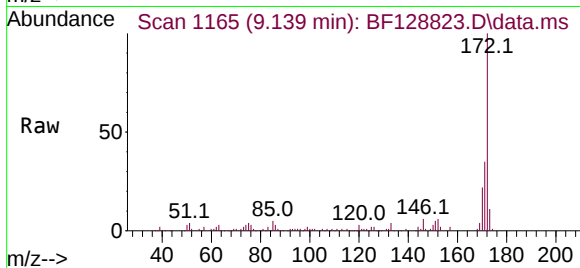
Tgt Ion:172 Resp: 85067

Ion Ratio Lower Upper

172 100

171 34.6 28.8 43.2

170 22.4 19.8 29.8



#51

2,6-Dinitrotoluene

Concen: 10.335 ng

RT: 9.822 min Scan# 1281

Delta R.T. 0.206 min

Lab File: BF128823.D

Acq: 15 Jun 2022 13:36

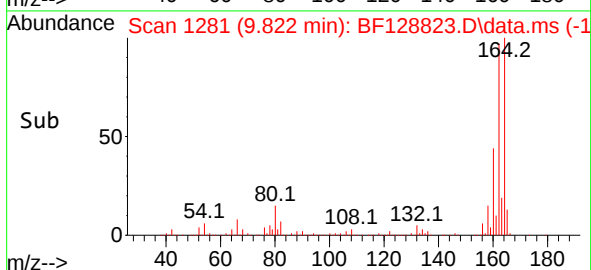
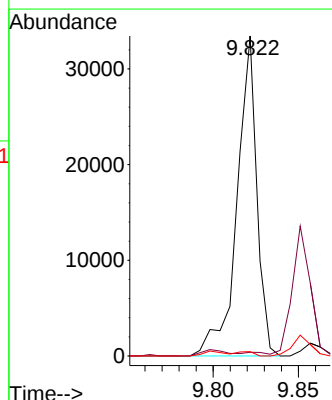
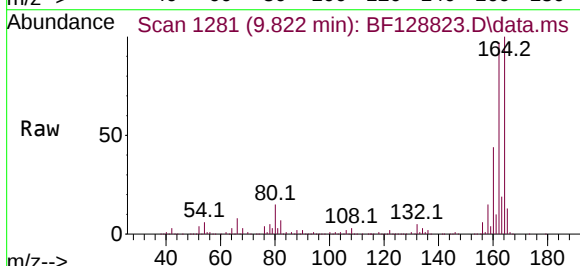
Tgt Ion:165 Resp: 27090

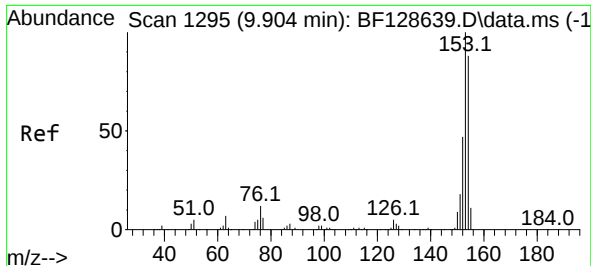
Ion Ratio Lower Upper

165 100

63 1.2 44.9 67.3#

89 1.3 43.6 65.4#

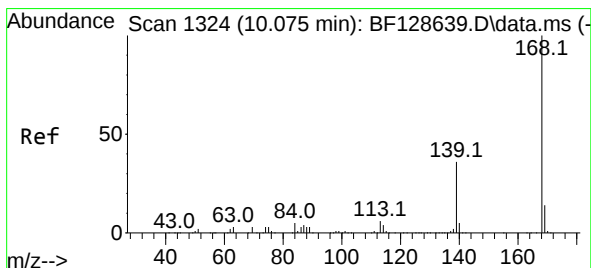
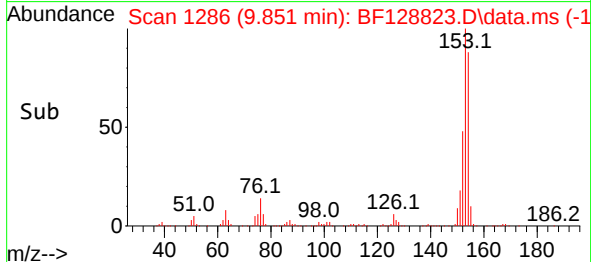
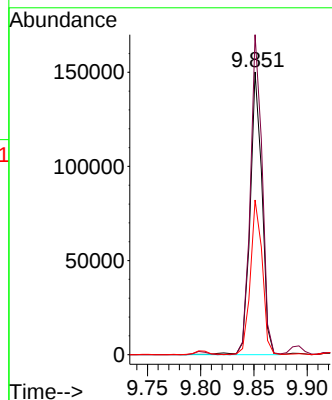
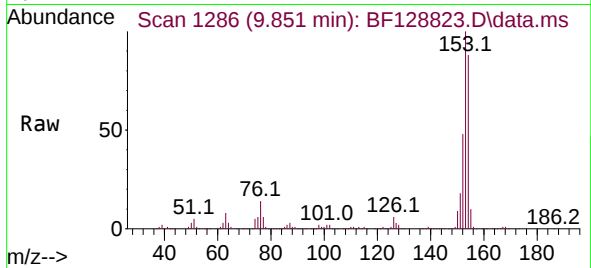




#52
Acenaphthene
Concen: 10.515 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

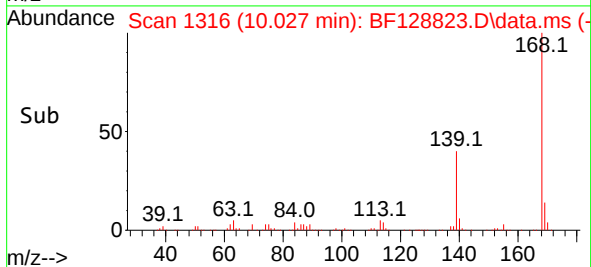
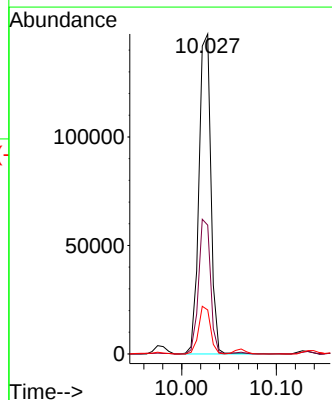
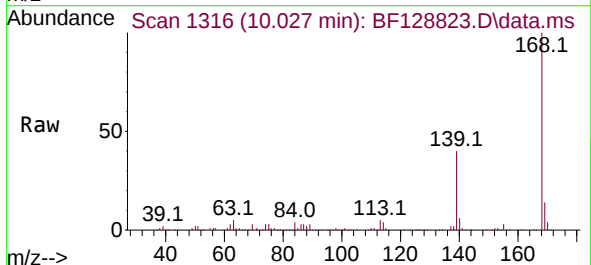
Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL

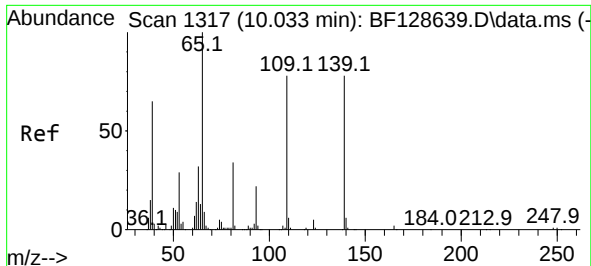
Tgt Ion:154 Resp: 116451
Ion Ratio Lower Upper
154 100
153 113.2 89.6 134.4
152 54.7 42.4 63.6



#55
Dibenzofuran
Concen: 8.147 ng
RT: 10.027 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

Tgt Ion:168 Resp: 129665
Ion Ratio Lower Upper
168 100
139 40.3 30.6 46.0
169 13.7 11.0 16.6

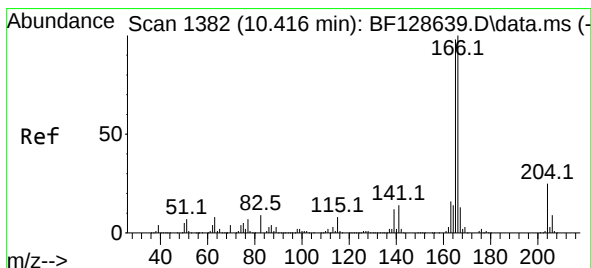
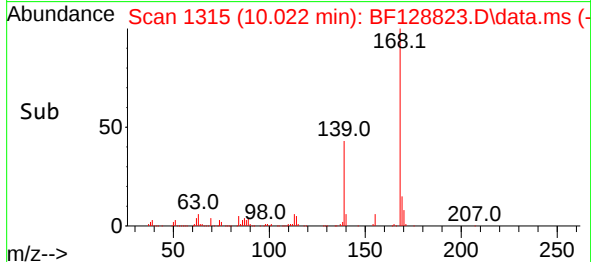
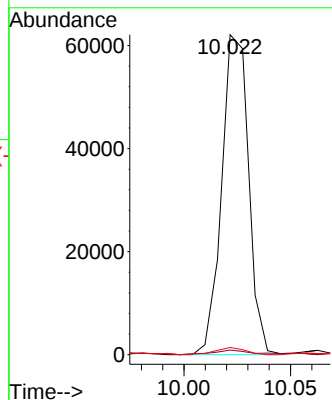
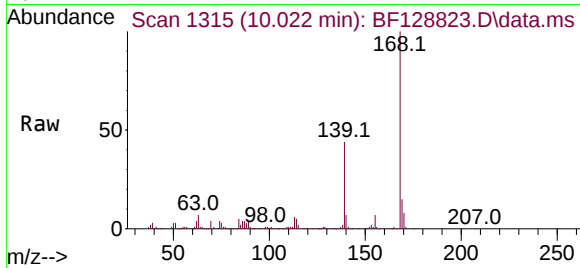




#56
4-Nitrophenol
Concen: 26.444 ng
RT: 10.022 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

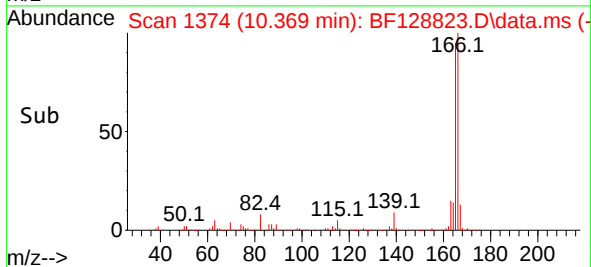
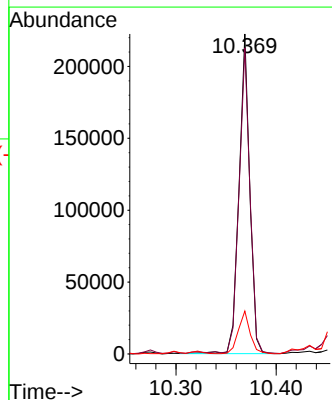
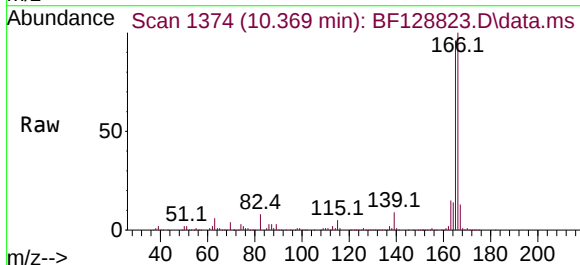
Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL

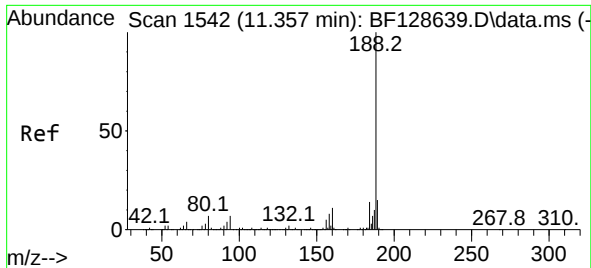
Tgt Ion:139 Resp: 54532
Ion Ratio Lower Upper
139 100
109 1.5 50.7 90.7#
65 2.2 74.5 114.5#



#58
Fluorene
Concen: 13.465 ng
RT: 10.369 min Scan# 1374
Delta R.T. -0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

Tgt Ion:166 Resp: 166197
Ion Ratio Lower Upper
166 100
165 95.7 78.1 117.1
167 13.4 10.5 15.7

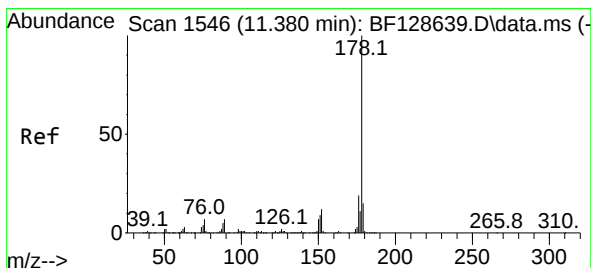
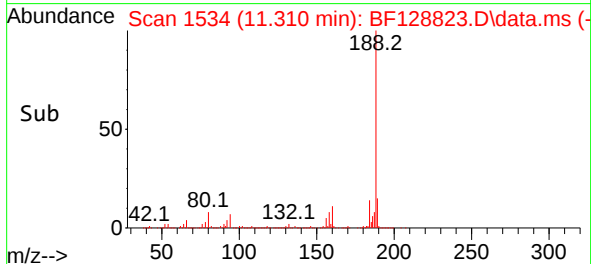
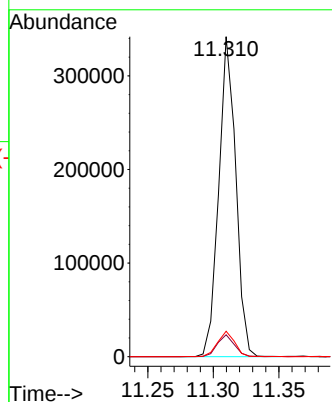
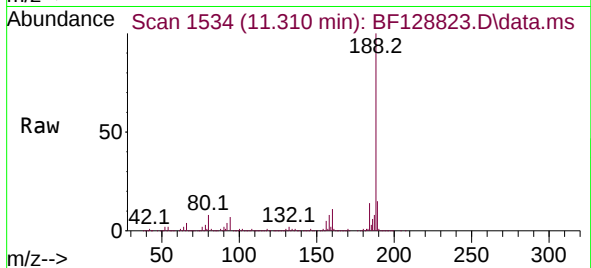




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1539
Delta R.T. -0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

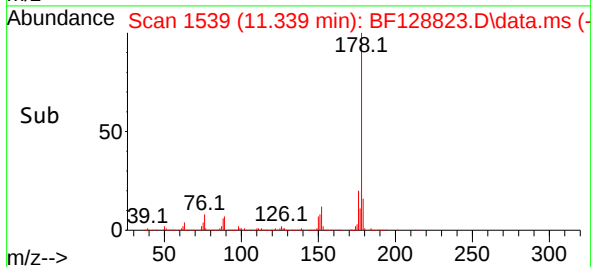
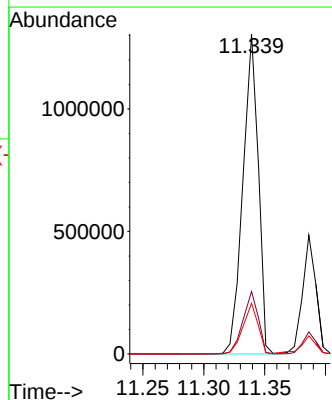
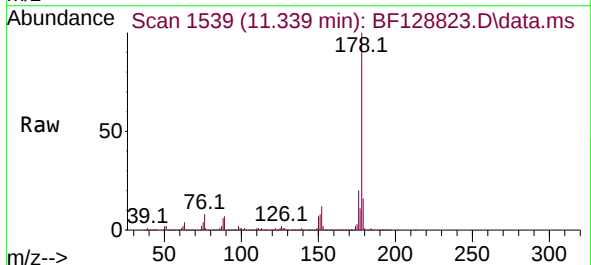
Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL

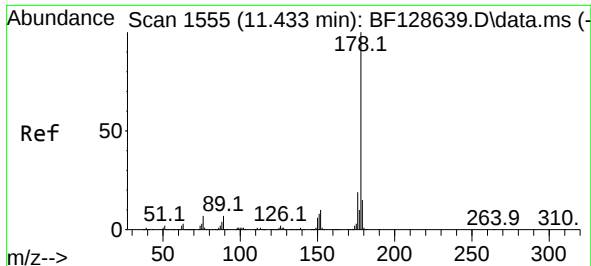
Tgt Ion:188 Resp: 307923
Ion Ratio Lower Upper
188 100
94 6.9 7.0 10.6#
80 7.9 7.6 11.4



#71
Phenanthrene
Concen: 74.486 ng
RT: 11.339 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

Tgt Ion:178 Resp: 1150417
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.9 12.6 19.0

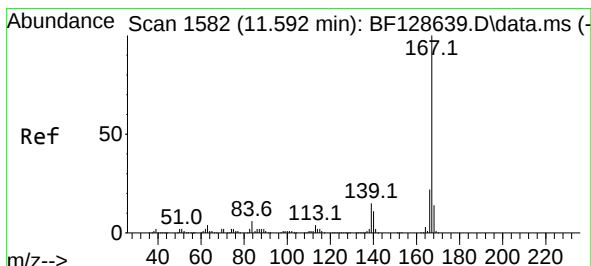
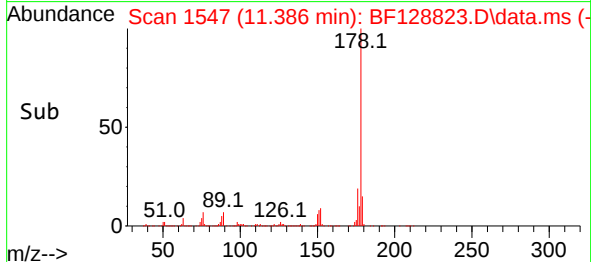
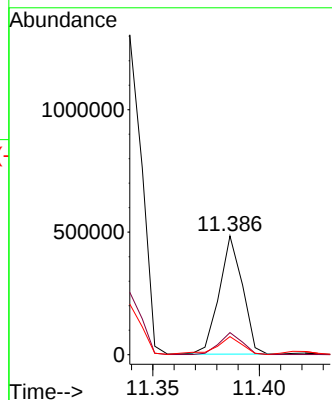
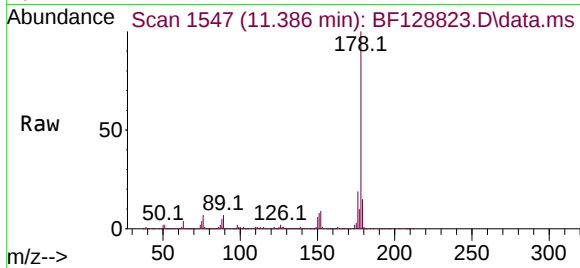




#72
 Anthracene
 Concen: 23.952 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128823.D
 Acq: 15 Jun 2022 13:36

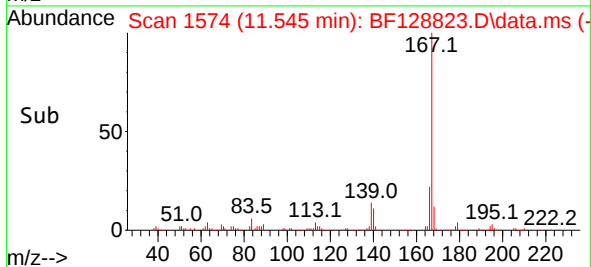
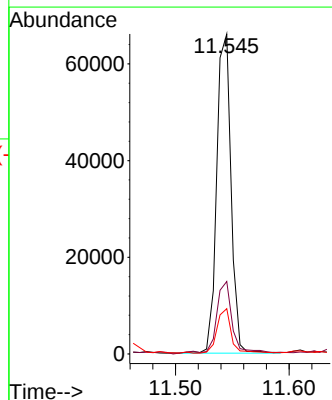
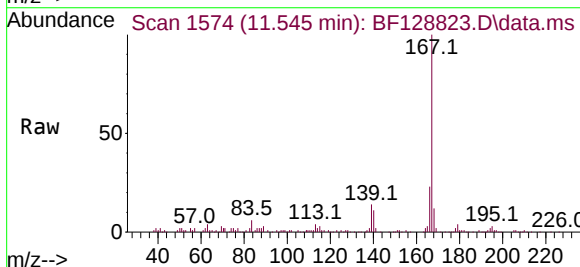
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061322DL

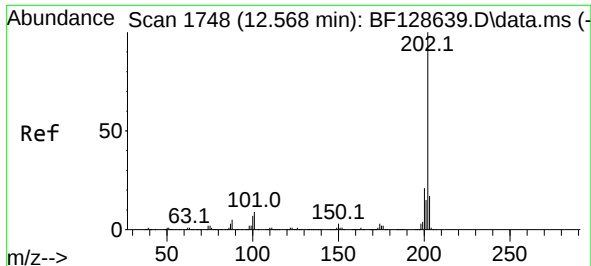
Tgt Ion:178 Resp: 366152
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.2
 179 15.2 12.6 19.0



#73
 Carbazole
 Concen: 4.070 ng
 RT: 11.545 min Scan# 1574
 Delta R.T. -0.006 min
 Lab File: BF128823.D
 Acq: 15 Jun 2022 13:36

Tgt Ion:167 Resp: 57787
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.7 26.5
 139 14.2 11.2 16.8

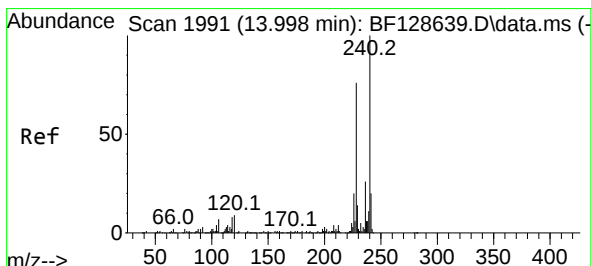
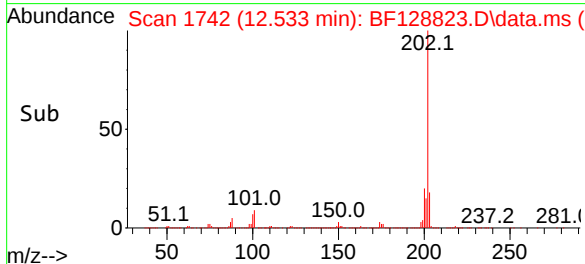
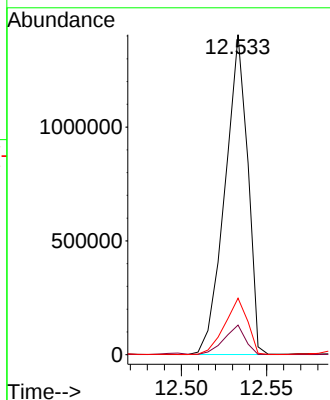
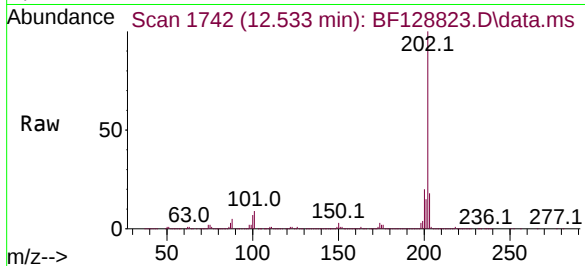




#75
Fluoranthene
Concen: 80.494 ng
RT: 12.533 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

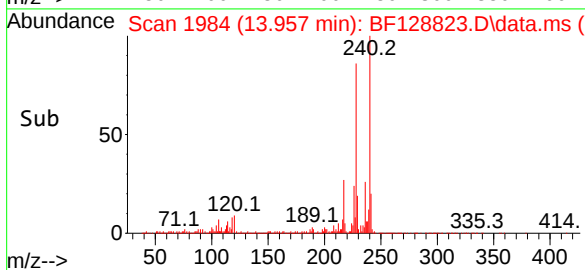
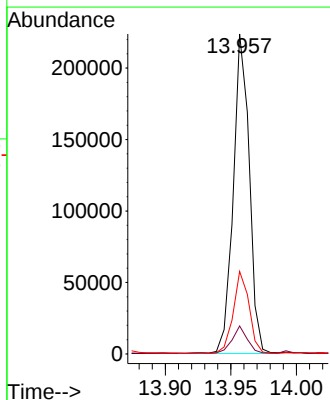
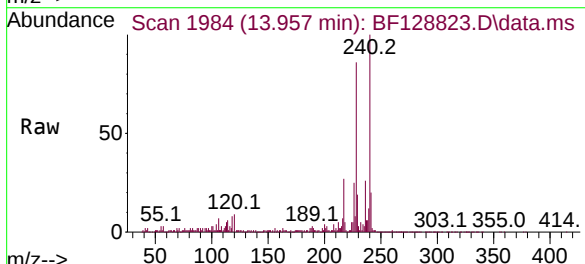
Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL

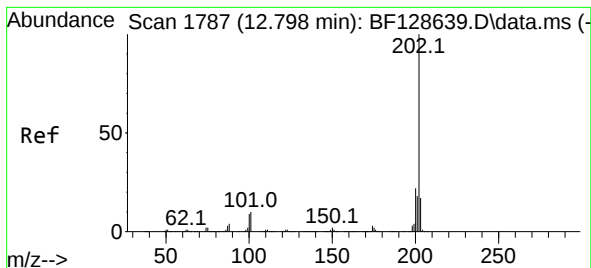
Tgt Ion:202 Resp: 1299520
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.4
203 17.6 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

Tgt Ion:240 Resp: 190446
Ion Ratio Lower Upper
240 100
120 8.8 8.9 13.3#
236 25.8 20.8 31.2





#78

Pyrene

Concen: 73.965 ng

RT: 12.763 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF128823.D

Acq: 15 Jun 2022 13:36

Instrument :

BNA_F

ClientSampleId :

SU-02-061322DL

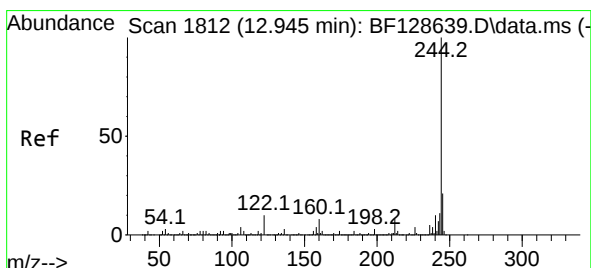
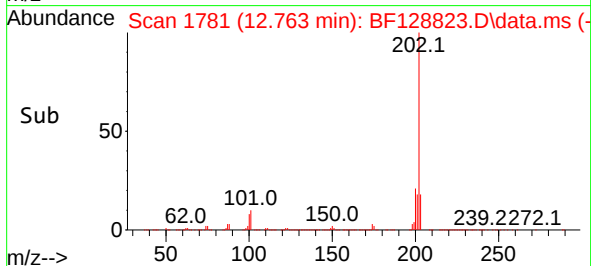
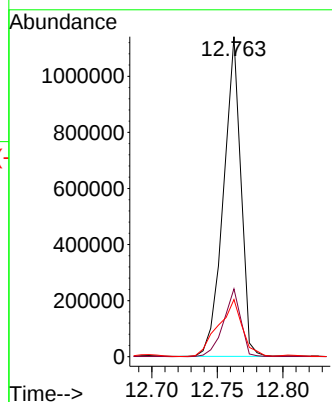
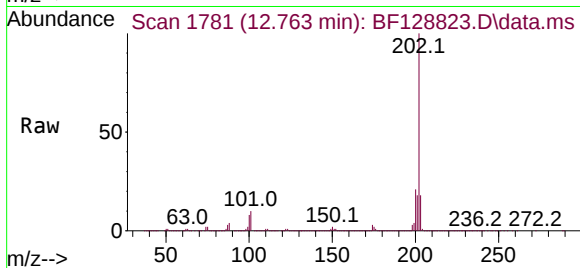
Tgt Ion:202 Resp: 1048014

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

203 17.9 14.6 21.8



#79

Terphenyl-d14

Concen: 6.103 ng

RT: 12.898 min Scan# 1804

Delta R.T. -0.006 min

Lab File: BF128823.D

Acq: 15 Jun 2022 13:36

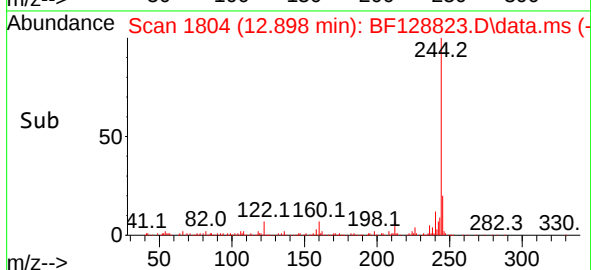
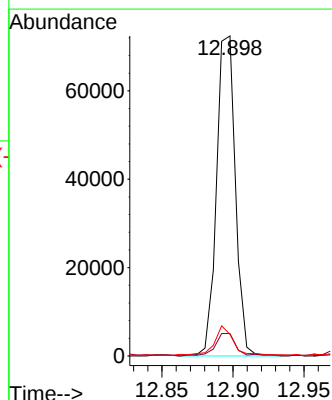
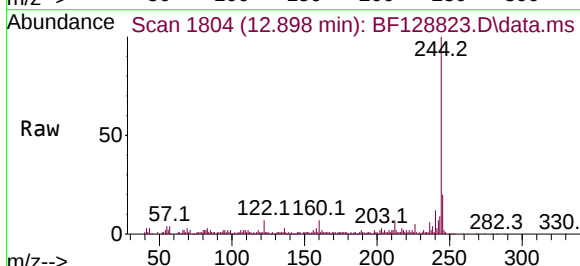
Tgt Ion:244 Resp: 66893

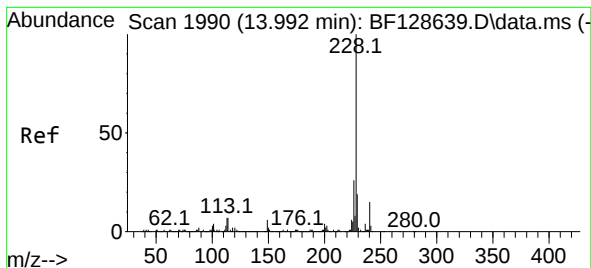
Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

122 6.8 8.8 13.2#





#81

Benzo(a)anthracene

Concen: 44.596 ng

RT: 13.951 min Scan# 1983

Delta R.T. -0.000 min

Lab File: BF128823.D

Acq: 15 Jun 2022 13:36

Instrument :

BNA_F

ClientSampleId :

SU-02-061322DL

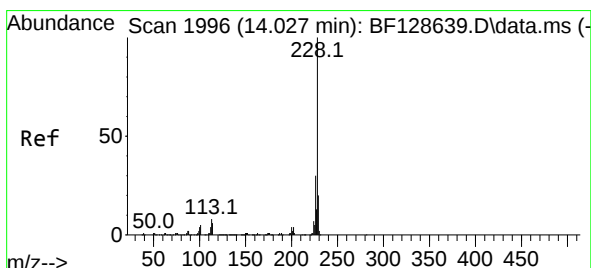
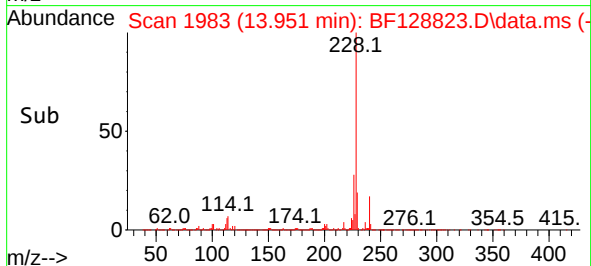
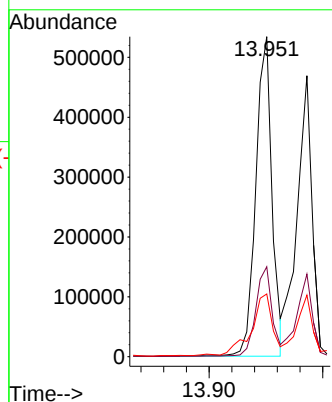
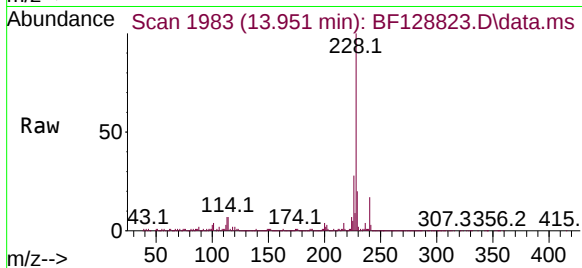
Tgt Ion:228 Resp: 529403

Ion Ratio Lower Upper

228 100

226 28.1 22.1 33.1

229 19.6 15.8 23.8



#83

Chrysene

Concen: 38.357 ng

RT: 13.986 min Scan# 1989

Delta R.T. -0.006 min

Lab File: BF128823.D

Acq: 15 Jun 2022 13:36

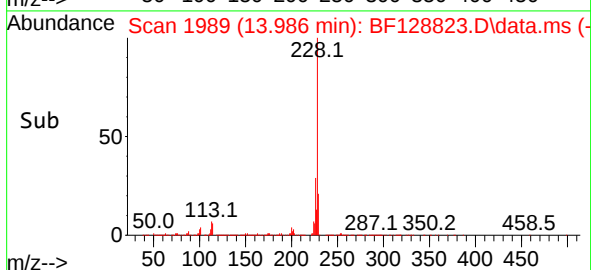
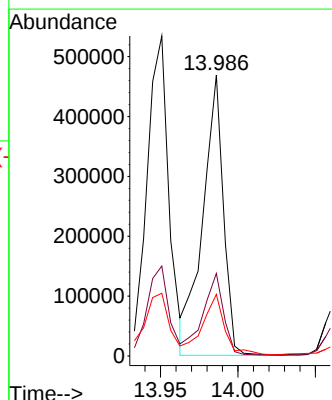
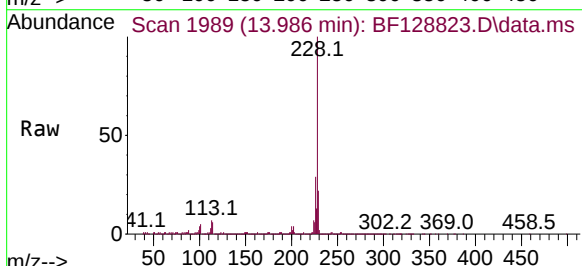
Tgt Ion:228 Resp: 434116

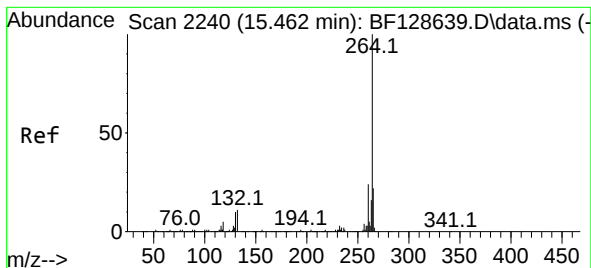
Ion Ratio Lower Upper

228 100

226 29.4 24.3 36.5

229 21.9 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF128823.D

Acq: 15 Jun 2022 13:36

Instrument :

BNA_F

ClientSampleId :

SU-02-061322DL

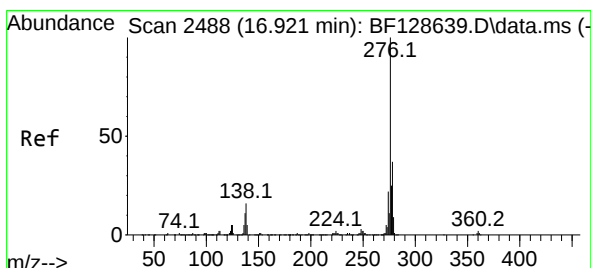
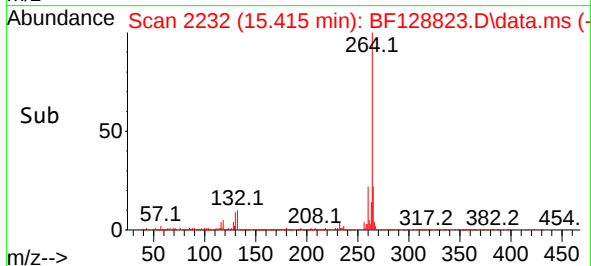
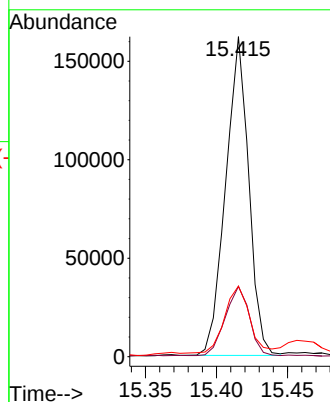
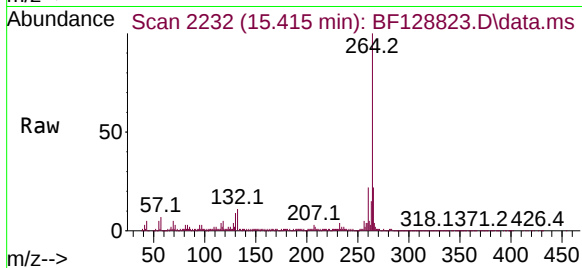
Tgt Ion:264 Resp: 182511

Ion Ratio Lower Upper

264 100

260 22.0 18.4 27.6

265 22.1 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 16.517 ng

RT: 16.856 min Scan# 2477

Delta R.T. -0.006 min

Lab File: BF128823.D

Acq: 15 Jun 2022 13:36

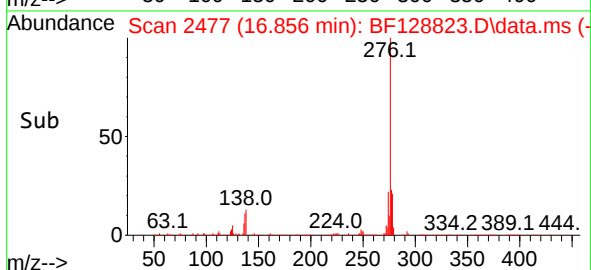
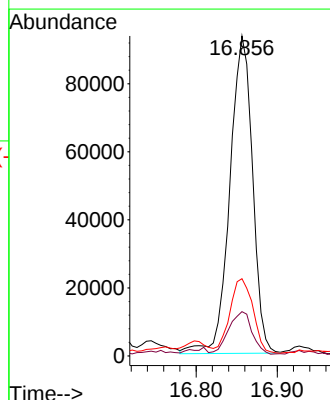
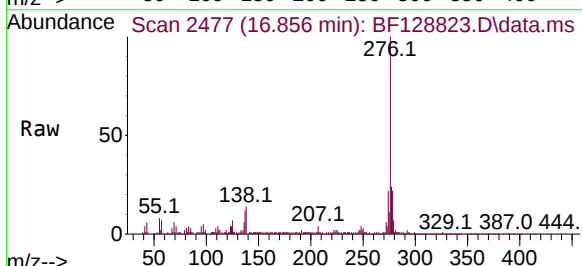
Tgt Ion:276 Resp: 181689

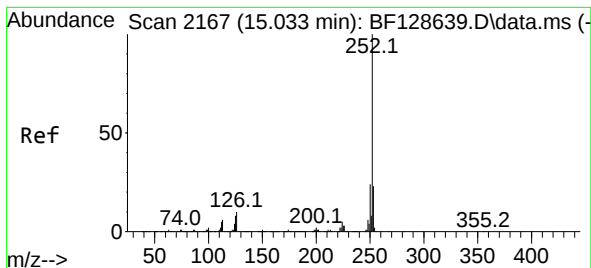
Ion Ratio Lower Upper

276 100

138 13.9 21.1 31.7#

277 23.6 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 62.960 ng

RT: 14.998 min Scan# 2161

Delta R.T. 0.006 min

Lab File: BF128823.D

Acq: 15 Jun 2022 13:36

Instrument :

BNA_F

ClientSampleId :

SU-02-061322DL

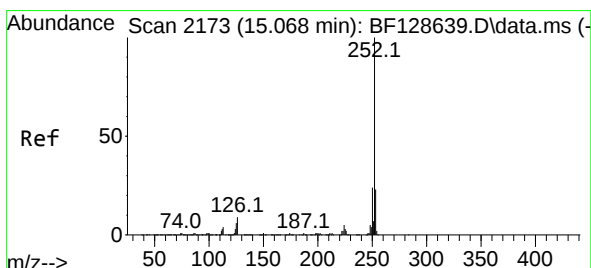
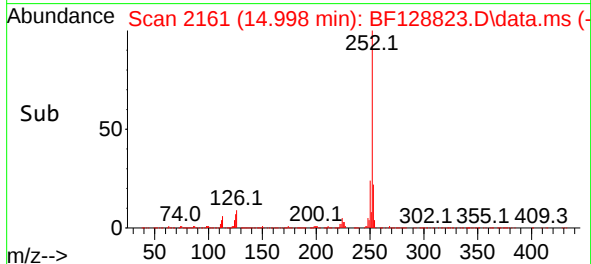
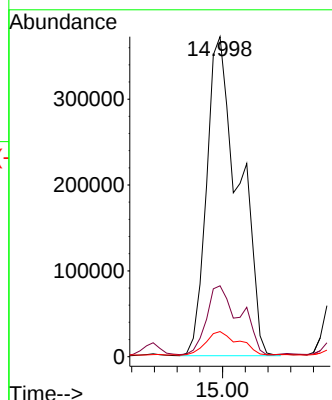
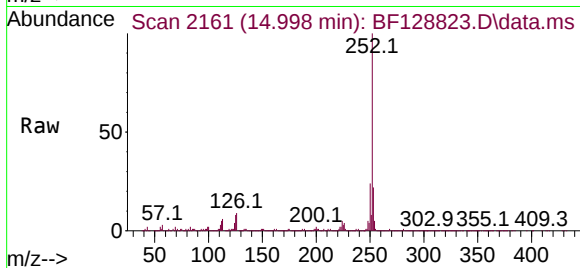
Tgt Ion:252 Resp: 734251

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 7.9 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 20.949 ng

RT: 15.292 min Scan# 2211

Delta R.T. 0.265 min

Lab File: BF128823.D

Acq: 15 Jun 2022 13:36

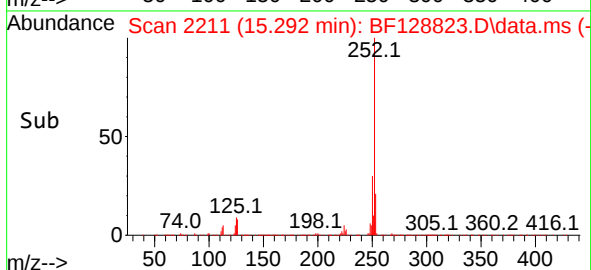
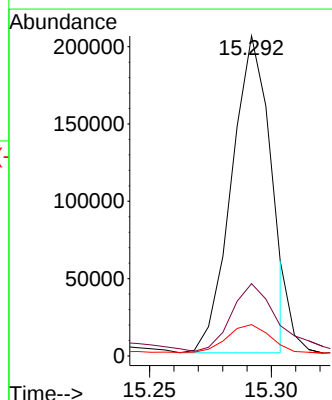
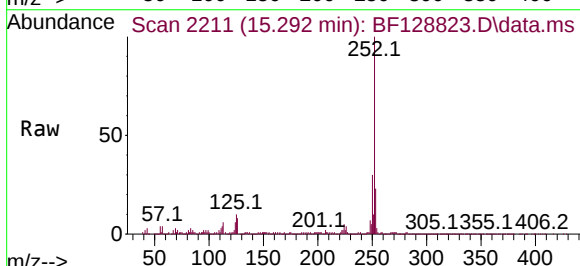
Tgt Ion:252 Resp: 229822

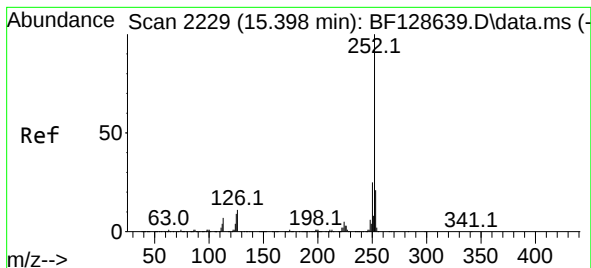
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

125 9.8 8.3 12.5





#90

Benzo(a)pyrene

Concen: 26.009 ng

RT: 15.292 min Scan# 211

Delta R.T. -0.065 min

Lab File: BF128823.D

Acq: 15 Jun 2022 13:36

Instrument :

BNA_F

ClientSampleId :

SU-02-061322DL

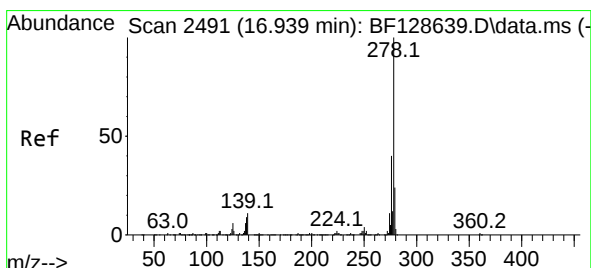
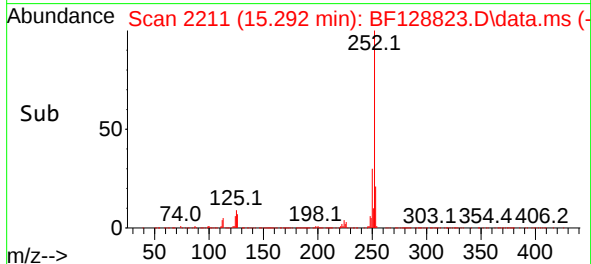
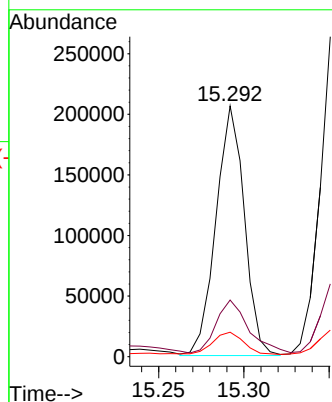
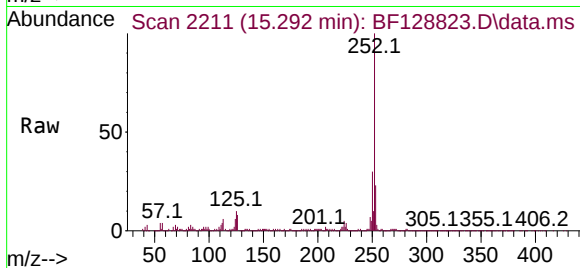
Tgt Ion:252 Resp: 238401

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.6

125 9.8 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 2.253 ng

RT: 17.080 min Scan# 2515

Delta R.T. 0.206 min

Lab File: BF128823.D

Acq: 15 Jun 2022 13:36

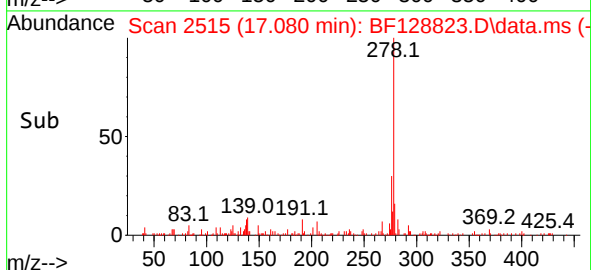
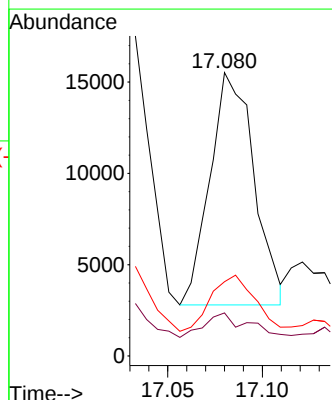
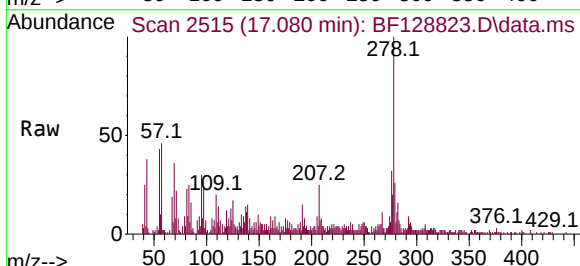
Tgt Ion:278 Resp: 20560

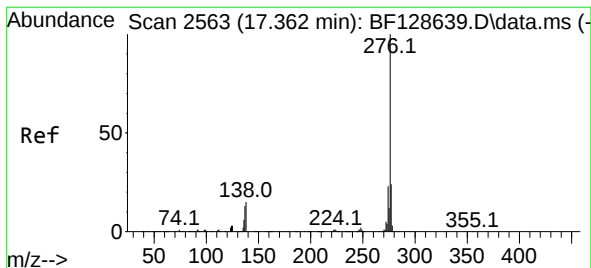
Ion Ratio Lower Upper

278 100

139 15.2 12.8 19.2

279 26.2 18.6 28.0





#92

Benzo(g,h,i)perylene

Concen: 17.377 ng

RT: 17.292 min Scan# 2551

Delta R.T. -0.006 min

Lab File: BF128823.D

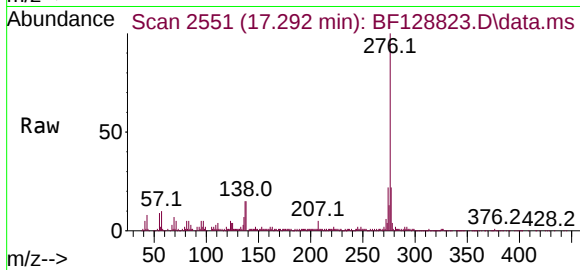
Acq: 15 Jun 2022 13:36

Instrument :

BNA_F

ClientSampleId :

SU-02-061322DL



Tgt Ion:276 Resp: 157147

Ion Ratio Lower Upper

276 100

277 22.1 19.1 28.7

138 14.5 18.0 27.0#

