

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061422\
 Data File : BF128811.D
 Acq On : 14 Jun 2022 20:44
 Operator : CG\JU
 Sample : N3327-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EW-WMR-COMP-3

Quant Time: Jun 15 01:02:37 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)

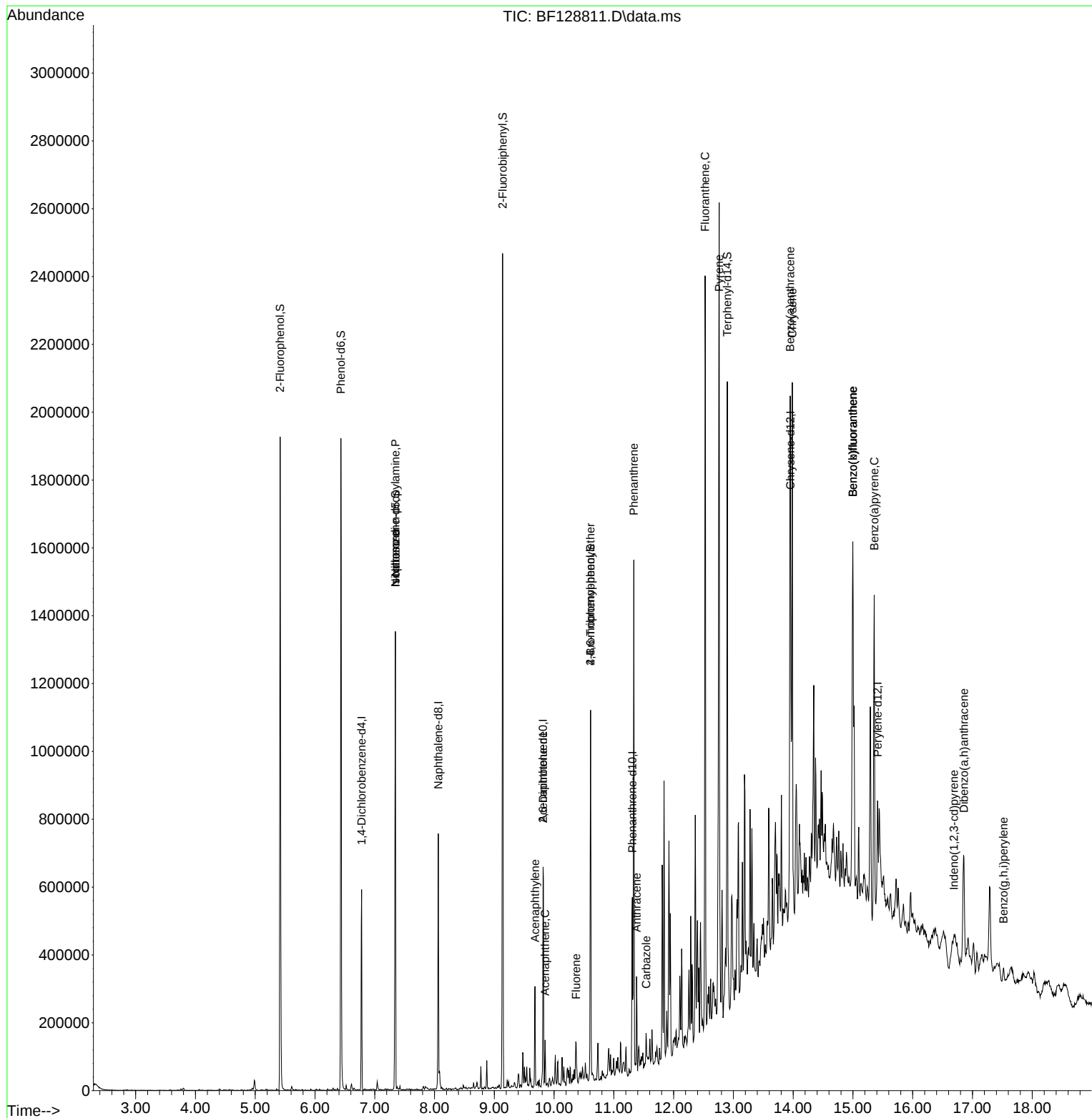
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	77189	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	273298	20.000	ng	# 0.00
39) Acenaphthene-d10	9.816	164	134795	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	200032	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	173663	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	139704	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	438258	90.437	ng	0.00
7) Phenol-d6	6.434	99	548163	92.667	ng	0.00
23) Nitrobenzene-d5	7.345	82	378265	64.441	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	115242	72.358	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	685631	71.251	ng	0.00
79) Terphenyl-d14	12.898	244	564148	56.447	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	53260	14.481	ng	# 73
25) Isophorone	7.345	82	378192	42.421	ng	# 65
49) Acenaphthylene	9.680	152	100480	8.505	ng	99
51) 2,6-Dinitrotoluene	9.816	165	18680	10.258	ng	# 26
52) Acenaphthene	9.851	154	22772	2.960	ng	95
58) Fluorene	10.369	166	33733	3.934	ng	96
67) 4-Bromophenyl-phenylether	10.610	248	7580	3.398	ng	# 1
71) Phenanthrene	11.333	178	503272	50.161	ng	98
72) Anthracene	11.380	178	94474	9.513	ng	99
73) Carbazole	11.539	167	30468	3.303	ng	99
75) Fluoranthene	12.527	202	914417	87.190	ng	97
78) Pyrene	12.763	202	1030732	79.775	ng	98
81) Benzo(a)anthracene	13.951	228	556830	51.439	ng	93
83) Chrysene	13.986	228	594638	57.618	ng	97
87) Indeno(1,2,3-cd)pyrene	16.692	276	39770	4.723	ng	94
88) Benzo(b)fluoranthene	14.998	252	790288	88.529	ng	99
89) Benzo(k)fluoranthene	14.998	252	790288	94.110	ng	98
90) Benzo(a)pyrene	15.357	252	422267	60.184	ng	95
91) Dibenzo(a,h)anthracene	16.856	278	60910	8.721	ng	95
92) Benzo(g,h,i)perylene	17.521	276	50539	7.301	ng	93

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

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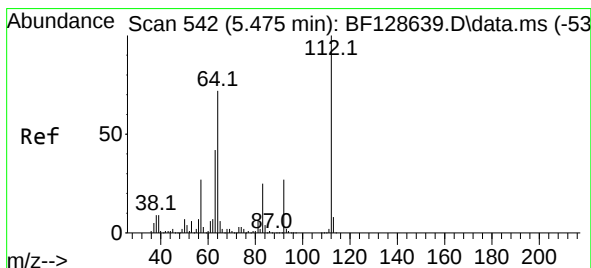
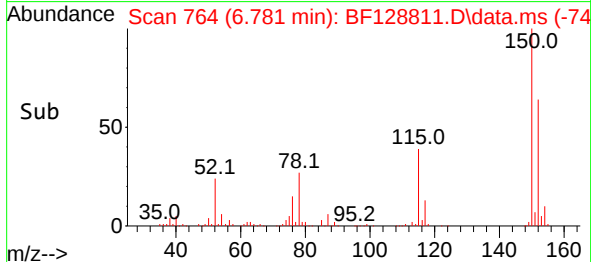
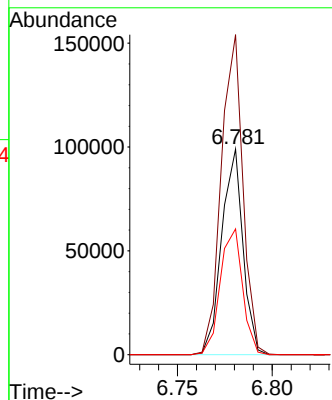
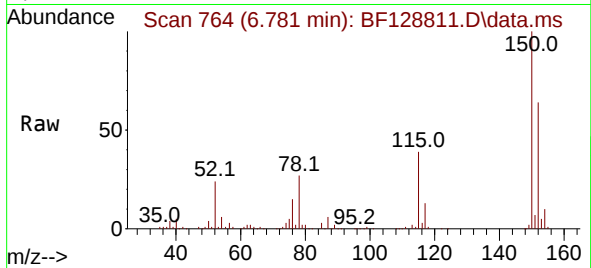




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF128811.D
Acq: 14 Jun 2022 20:44

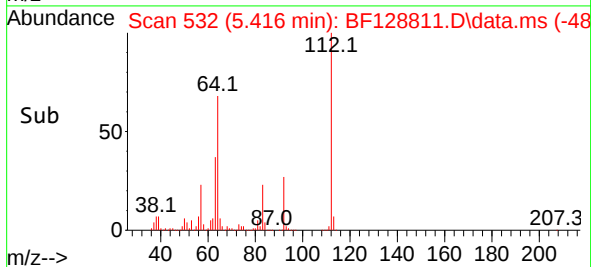
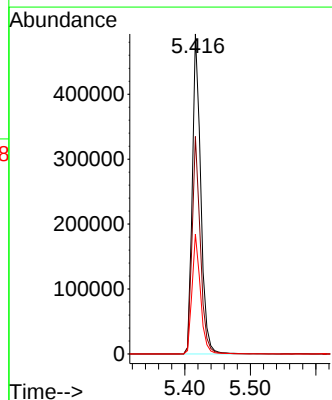
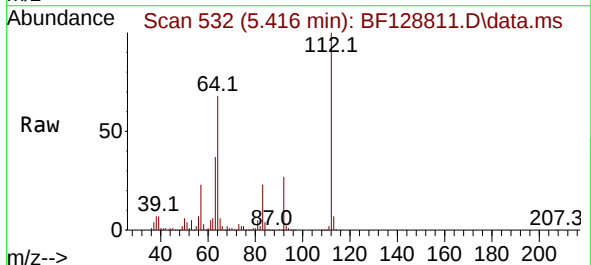
Instrument :
BNA_F
ClientSampleId :
EW-WMR-COMP-3

Tgt Ion:152 Resp: 77189
Ion Ratio Lower Upper
152 100
150 155.6 123.7 185.5
115 61.2 49.9 74.9



#5
2-Fluorophenol
Concen: 90.437 ng
RT: 5.416 min Scan# 532
Delta R.T. -0.000 min
Lab File: BF128811.D
Acq: 14 Jun 2022 20:44

Tgt Ion:112 Resp: 438258
Ion Ratio Lower Upper
112 100
64 68.0 53.3 79.9
63 37.5 28.0 42.0

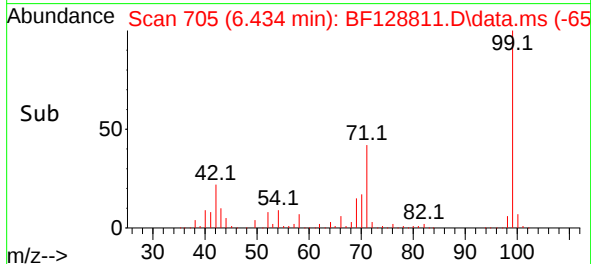
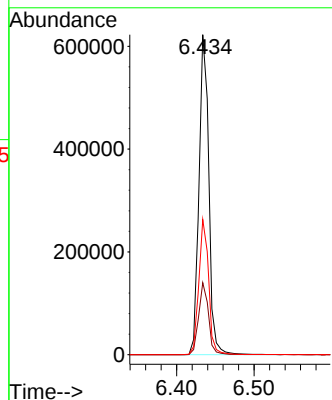
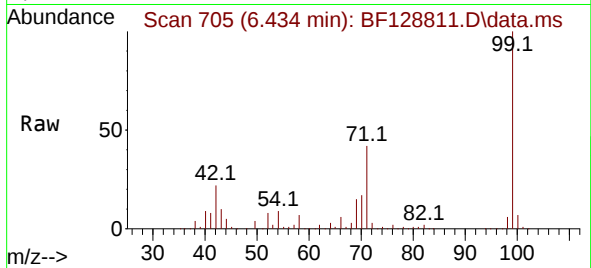




#7
Phenol-d6
Concen: 92.667 ng
RT: 6.434 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF128811.D
Acq: 14 Jun 2022 20:44

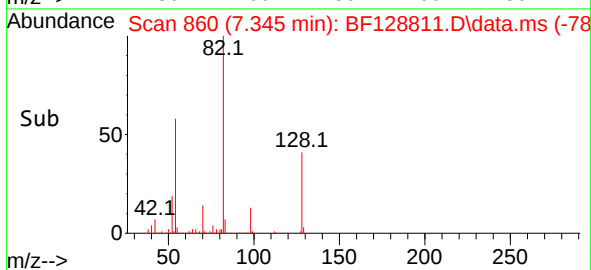
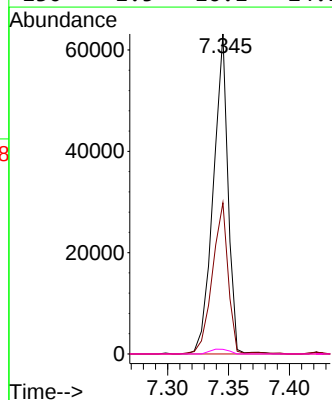
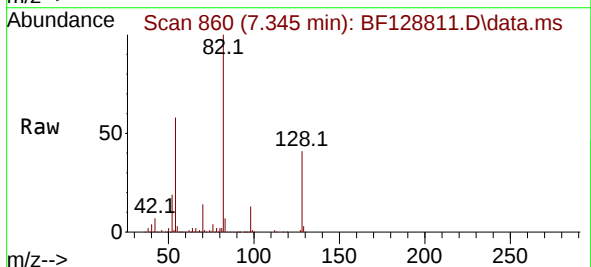
Instrument :
BNA_F
ClientSampleId :
EW-WMR-COMP-3

Tgt Ion: 99 Resp: 548163
Ion Ratio Lower Upper
99 100
42 22.5 17.3 25.9
71 42.2 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 14.481 ng
RT: 7.345 min Scan# 860
Delta R.T. 0.141 min
Lab File: BF128811.D
Acq: 14 Jun 2022 20:44

Tgt Ion: 70 Resp: 53260
Ion Ratio Lower Upper
70 100
42 47.3 52.3 78.5#
101 0.0 7.5 11.3#
130 1.5 16.1 24.1#

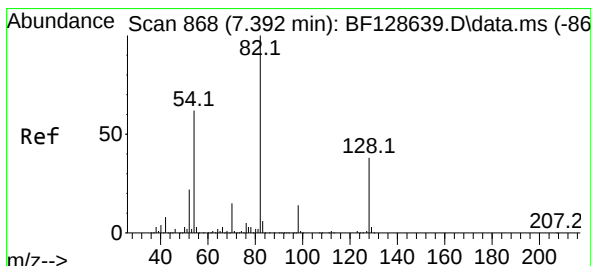
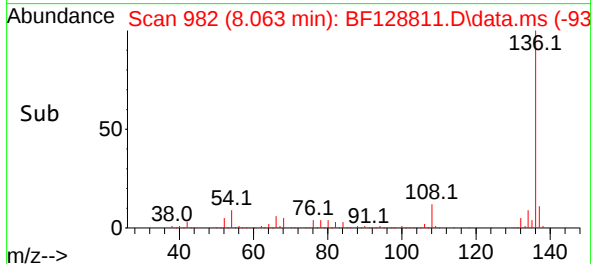
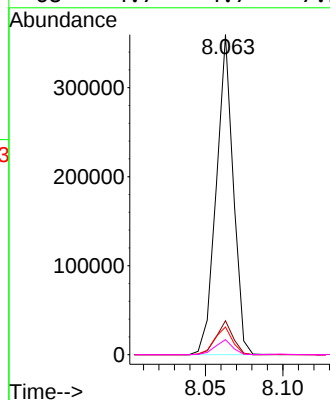
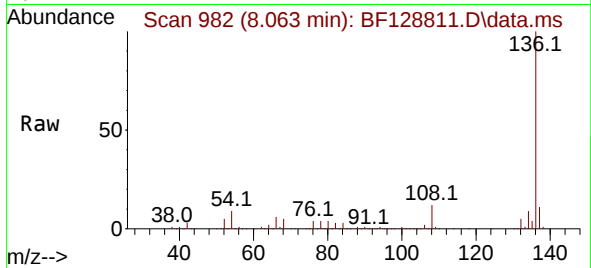




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128811.D
Acq: 14 Jun 2022 20:44

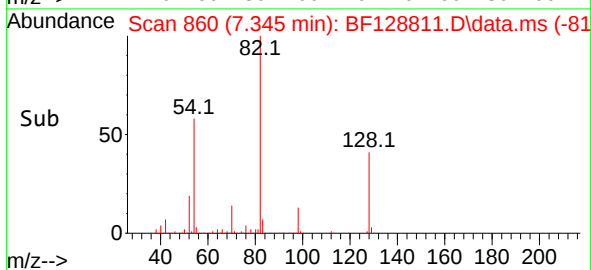
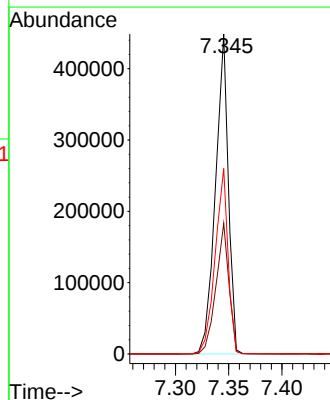
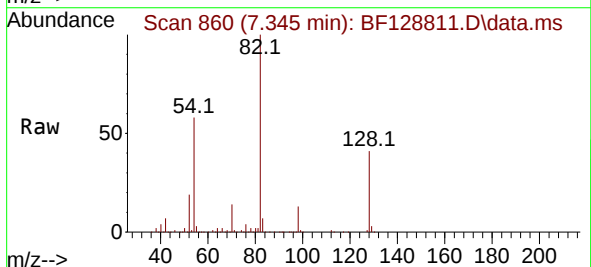
Instrument :
BNA_F
ClientSampleId :
EW-WMR-COMP-3

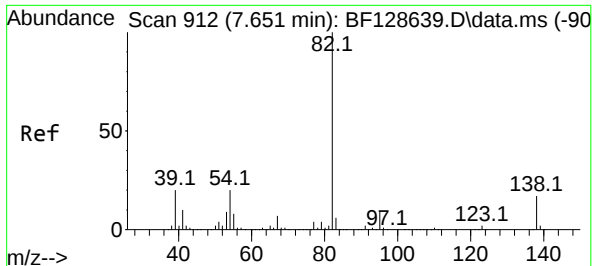
Tgt Ion:136 Resp: 273298
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.7 7.5 11.3
68 4.7 4.7 7.1#



#23
Nitrobenzene-d5
Concen: 64.441 ng
RT: 7.345 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF128811.D
Acq: 14 Jun 2022 20:44

Tgt Ion: 82 Resp: 378265
Ion Ratio Lower Upper
82 100
128 40.9 34.0 51.0
54 57.9 46.9 70.3

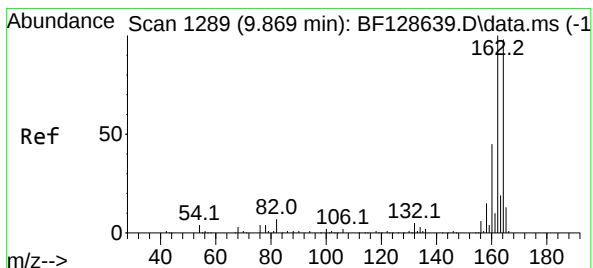
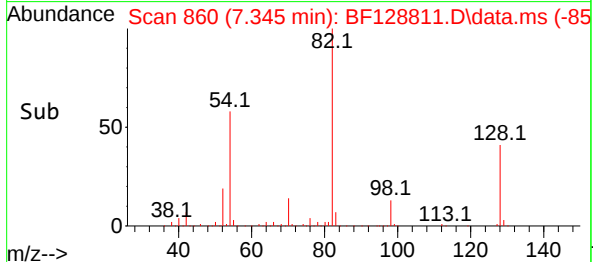
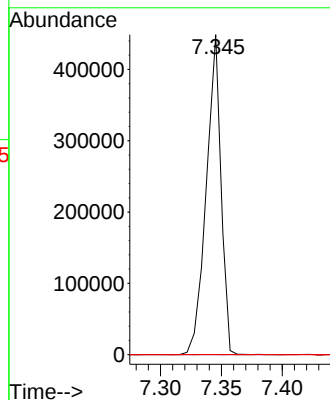
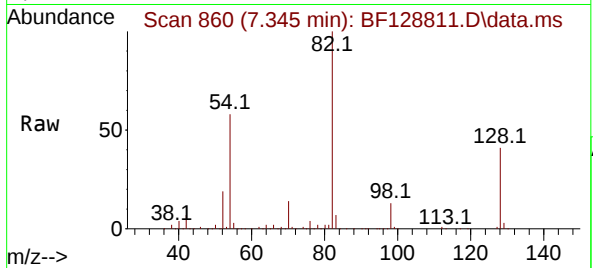




#25
Isophorone
Concen: 42.421 ng
RT: 7.345 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF128811.D
Acq: 14 Jun 2022 20:44

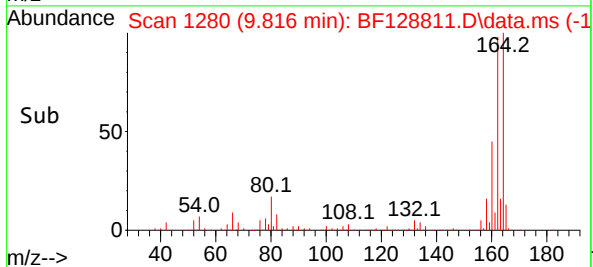
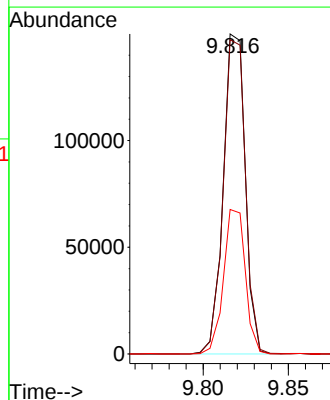
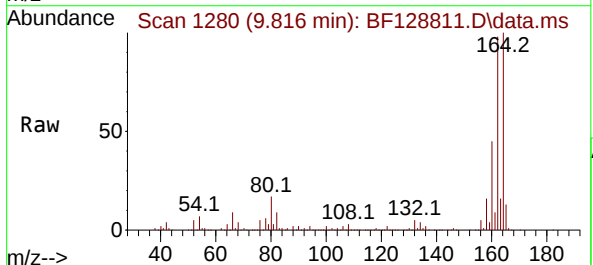
Instrument :
BNA_F
ClientSampleId :
EW-WMR-COMP-3

Tgt Ion: 82 Resp: 378192
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1280
Delta R.T. -0.012 min
Lab File: BF128811.D
Acq: 14 Jun 2022 20:44

Tgt Ion:164 Resp: 134795
Ion Ratio Lower Upper
164 100
162 98.2 79.5 119.3
160 45.2 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 72.358 ng

RT: 10.610 min Scan# 1415

Delta R.T. -0.012 min

Lab File: BF128811.D

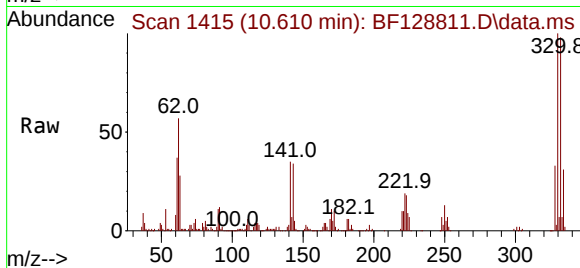
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Instrument :

BNA_F

ClientSampleId :

EW-WMR-COMP-3



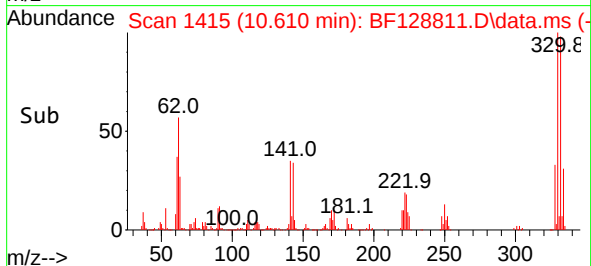
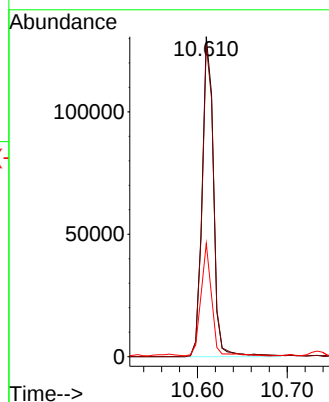
Tgt Ion:330 Resp: 115242

Ion Ratio Lower Upper

330 100

332 97.4 76.8 115.2

141 33.2 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 71.251 ng

RT: 9.139 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF128811.D

Acq: 14 Jun 2022 20:44

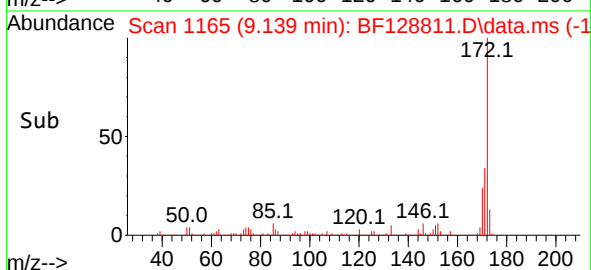
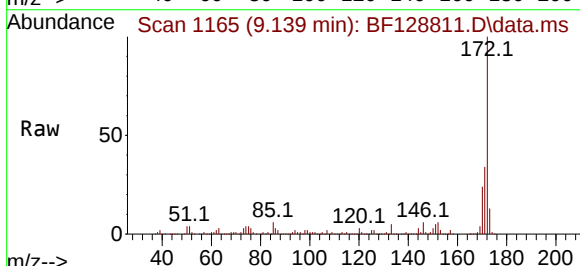
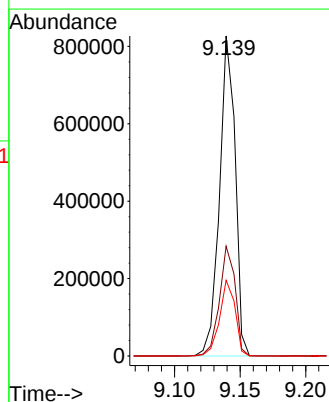
Tgt Ion:172 Resp: 685631

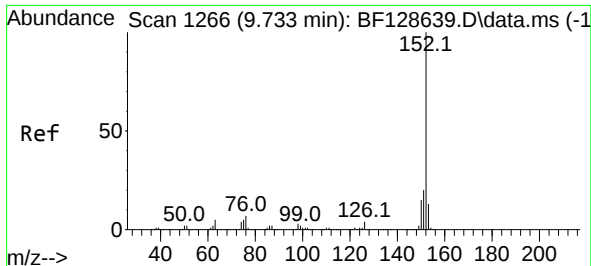
Ion Ratio Lower Upper

172 100

171 34.3 28.8 43.2

170 23.6 19.8 29.8





#49

Acenaphthylene

Concen: 8.505 ng

RT: 9.680 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128811.D

Acq: 14 Jun 2022 20:44

Instrument :

BNA_F

ClientSampleId :

EW-WMR-COMP-3

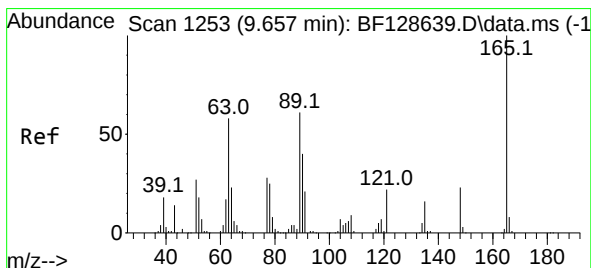
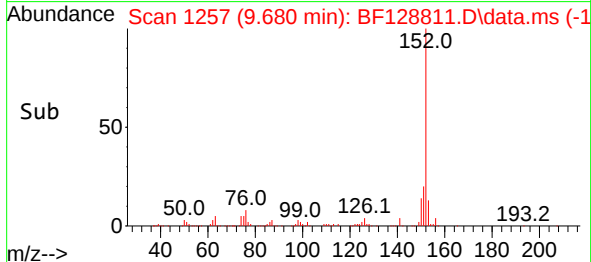
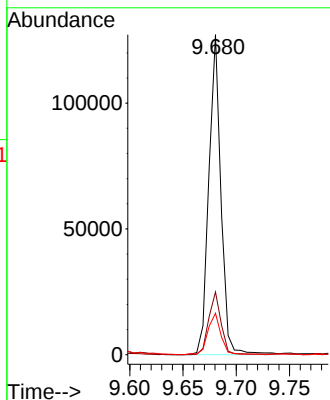
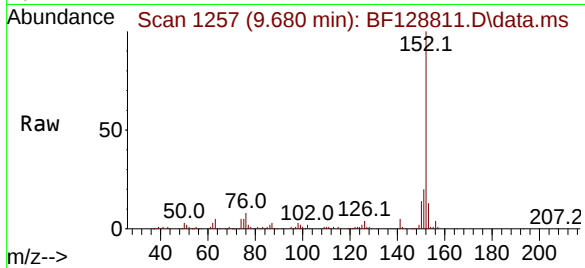
Tgt Ion:152 Resp: 100480

Ion Ratio Lower Upper

152 100

151 19.6 16.2 24.4

153 12.9 10.7 16.1



#51

2,6-Dinitrotoluene

Concen: 10.258 ng

RT: 9.816 min Scan# 1280

Delta R.T. 0.200 min

Lab File: BF128811.D

Acq: 14 Jun 2022 20:44

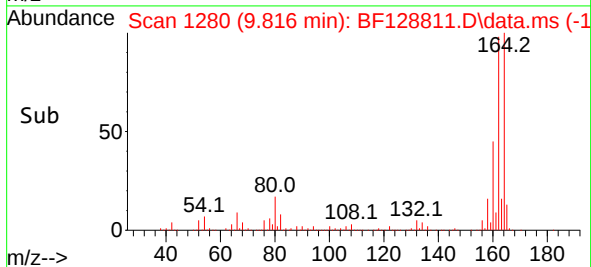
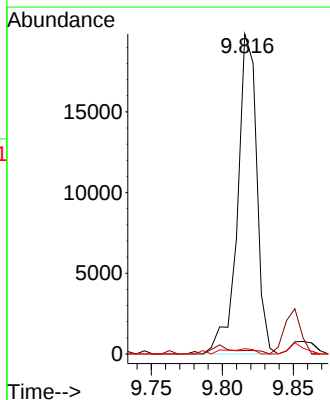
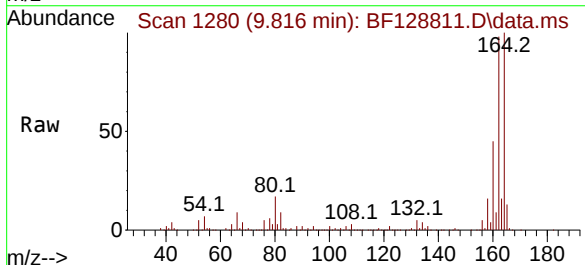
Tgt Ion:165 Resp: 18680

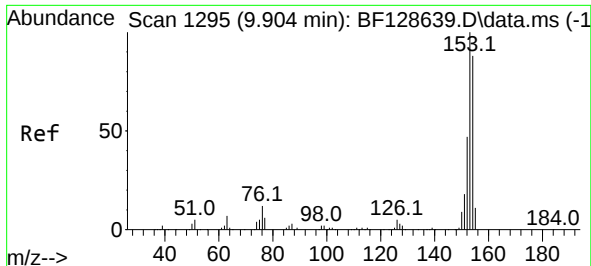
Ion Ratio Lower Upper

165 100

63 1.1 44.9 67.3#

89 1.7 43.6 65.4#

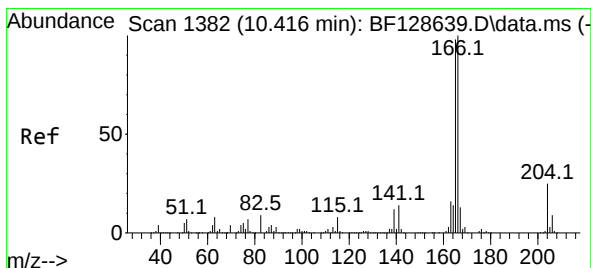
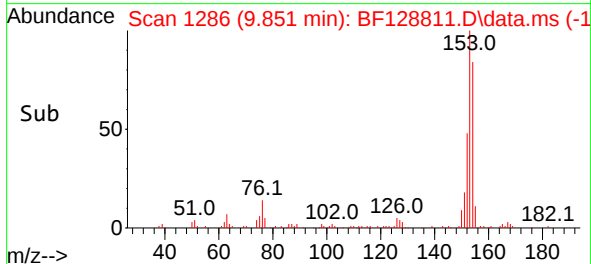
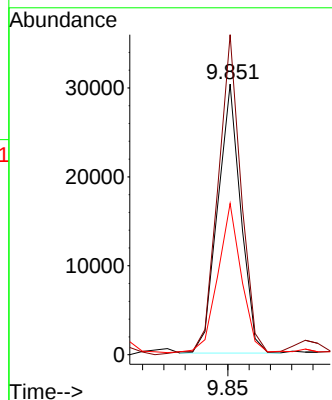
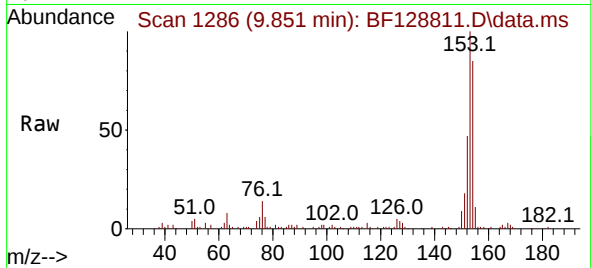




#52
Acenaphthene
Concen: 2.960 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128811.D
Acq: 14 Jun 2022 20:44

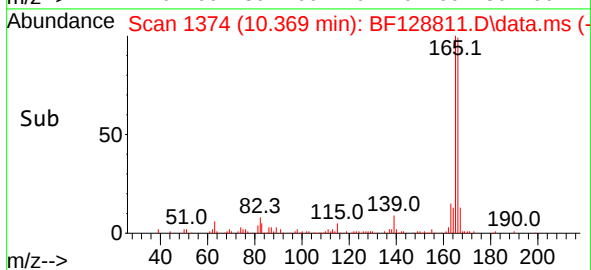
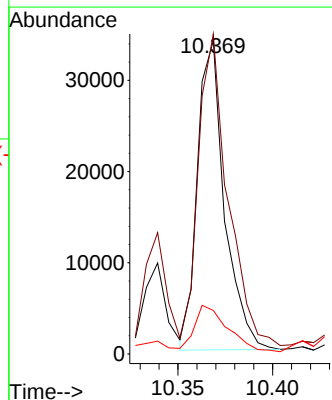
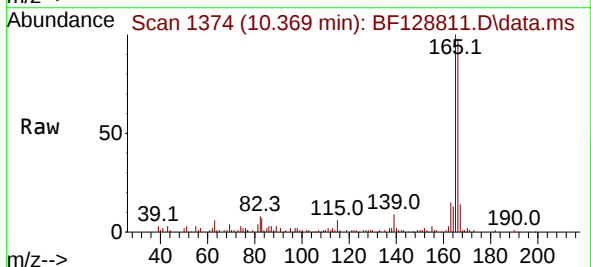
Instrument :
BNA_F
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EW-WMR-COMP-3

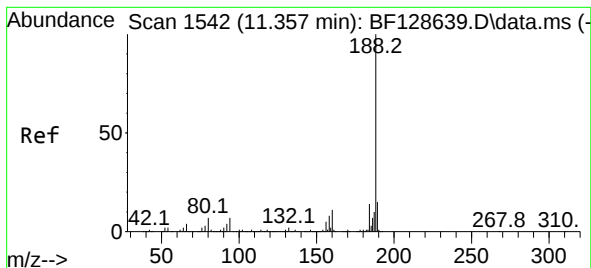
Tgt Ion:154 Resp: 22772
Ion Ratio Lower Upper
154 100
153 118.2 89.6 134.4
152 55.9 42.4 63.6



#58
Fluorene
Concen: 3.934 ng
RT: 10.369 min Scan# 1374
Delta R.T. -0.006 min
Lab File: BF128811.D
Acq: 14 Jun 2022 20:44

Tgt Ion:166 Resp: 33733
Ion Ratio Lower Upper
166 100
165 102.2 78.1 117.1
167 13.9 10.5 15.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128811.D

Acq: 14 Jun 2022 20:44

Instrument :

BNA_F

ClientSampleId :

EW-WMR-COMP-3

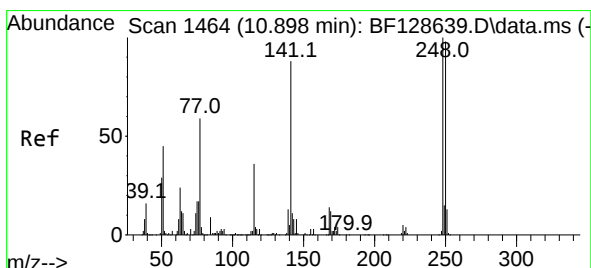
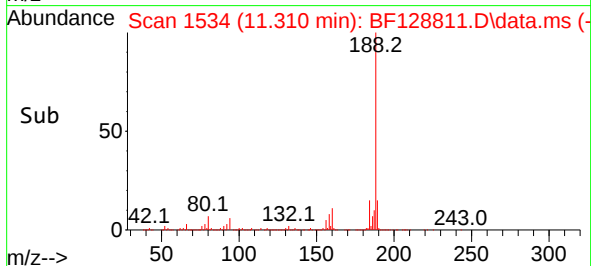
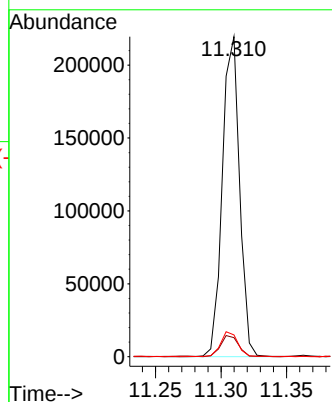
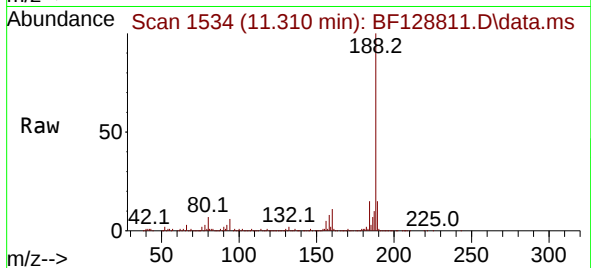
Tgt Ion:188 Resp: 200032

Ion Ratio Lower Upper

188 100

94 5.9 7.0 10.6#

80 6.8 7.6 11.4#



#67

4-Bromophenyl-phenylether

Concen: 3.398 ng

RT: 10.610 min Scan# 1415

Delta R.T. -0.247 min

Lab File: BF128811.D

Acq: 14 Jun 2022 20:44

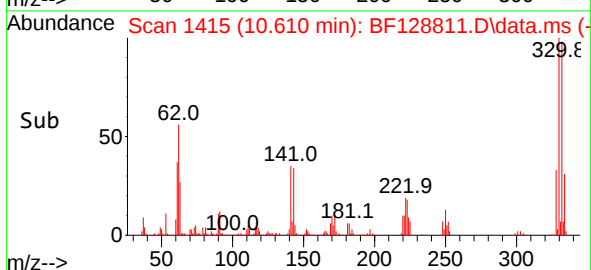
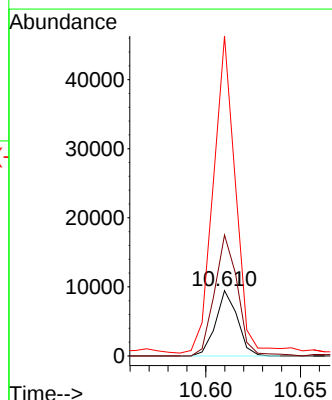
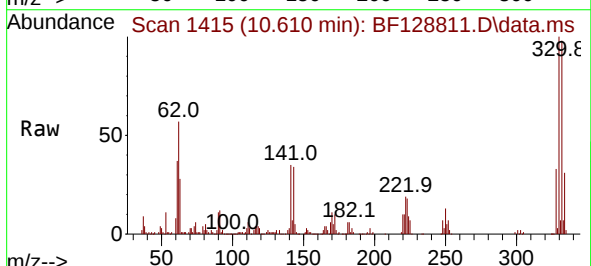
Tgt Ion:248 Resp: 7580

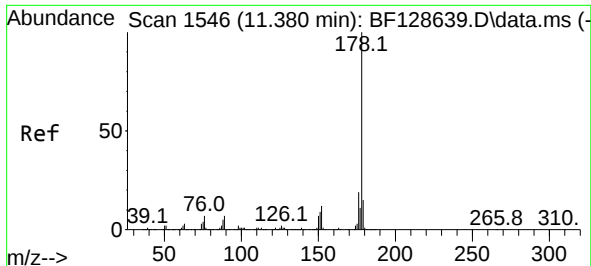
Ion Ratio Lower Upper

248 100

250 185.6 80.6 120.8#

141 490.6 58.9 88.3#

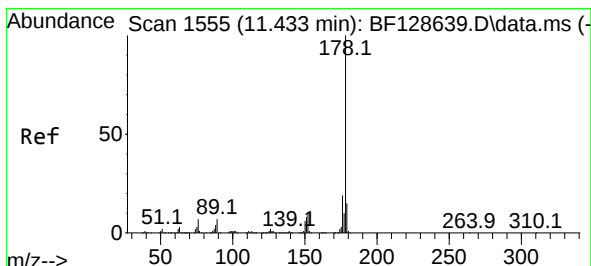
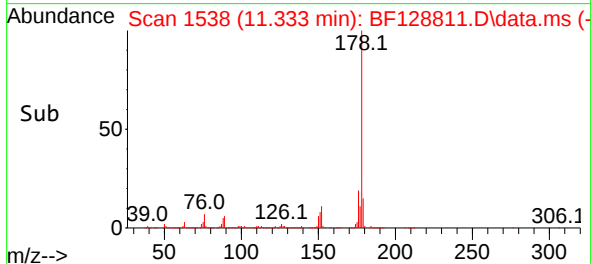
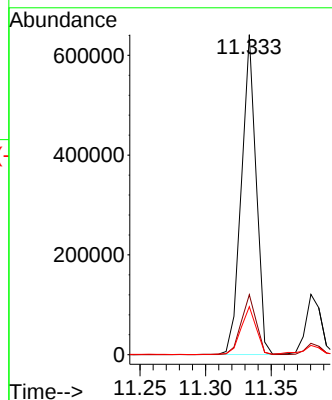
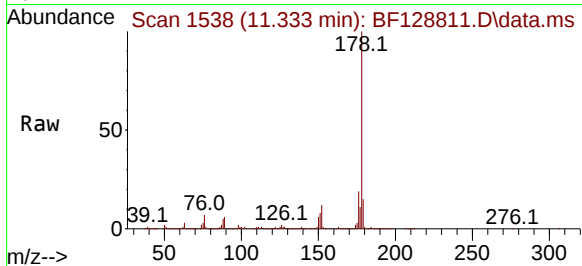




#71
Phenanthrene
Concen: 50.161 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128811.D
Acq: 14 Jun 2022 20:44

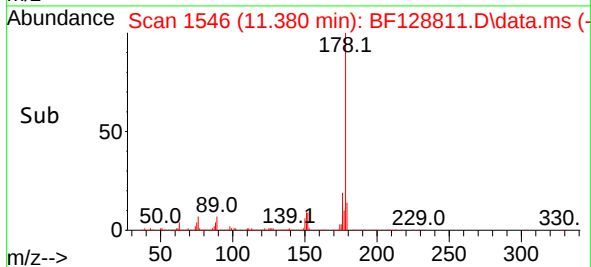
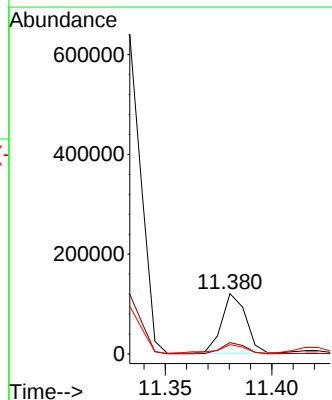
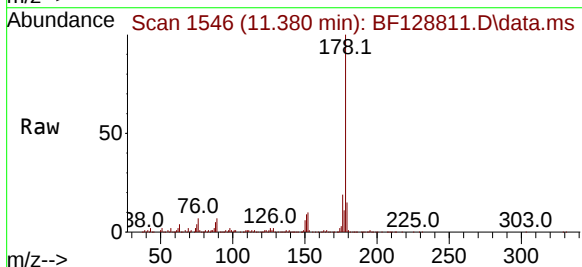
Instrument :
BNA_F
ClientSampleId :
EW-WMR-COMP-3

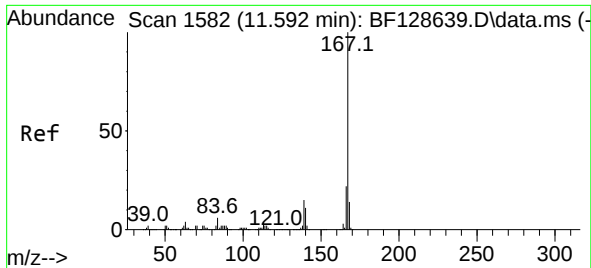
Tgt Ion:178 Resp: 503272
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 15.0 12.6 19.0



#72
Anthracene
Concen: 9.513 ng
RT: 11.380 min Scan# 1546
Delta R.T. -0.012 min
Lab File: BF128811.D
Acq: 14 Jun 2022 20:44

Tgt Ion:178 Resp: 94474
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.3 12.6 19.0

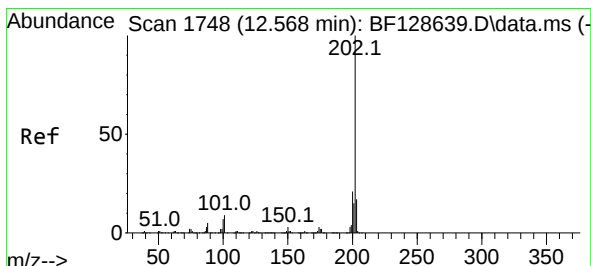
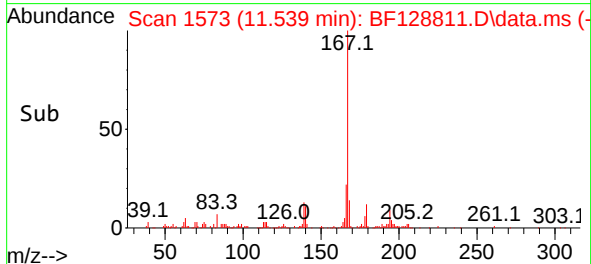
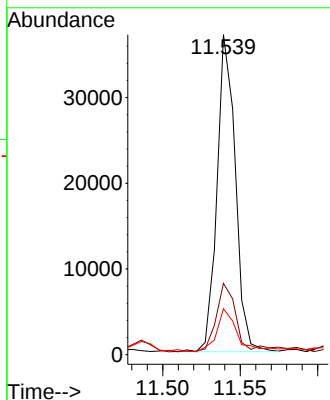
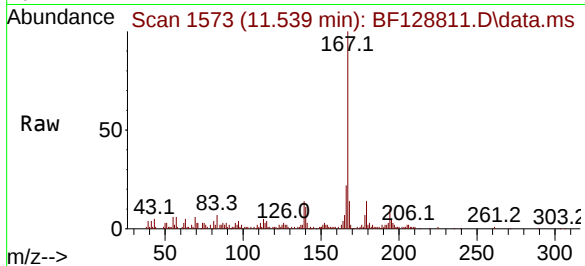




#73
 Carbazole
 Concen: 3.303 ng
 RT: 11.539 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128811.D
 Acq: 14 Jun 2022 20:44

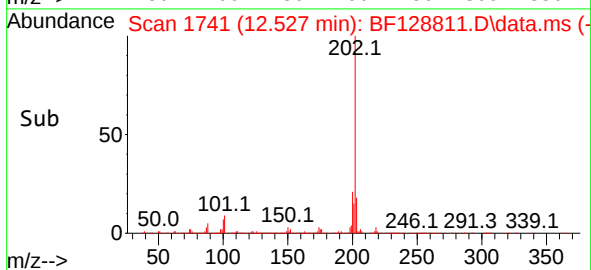
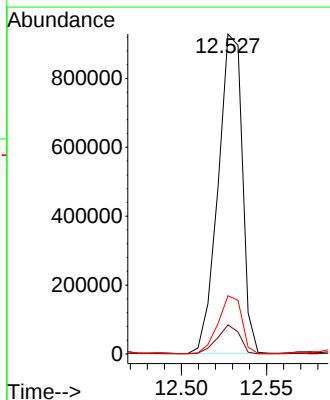
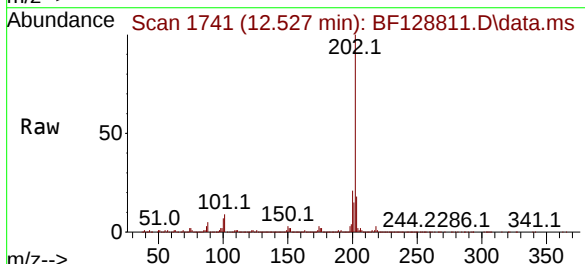
Instrument :
 BNA_F
 ClientSampleId :
 EW-WMR-COMP-3

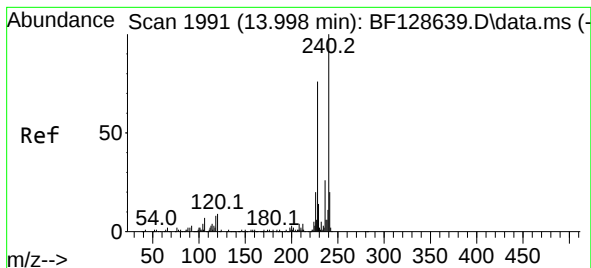
Tgt Ion:167 Resp: 30468
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.7 26.5
 139 14.4 11.2 16.8



#75
 Fluoranthene
 Concen: 87.190 ng
 RT: 12.527 min Scan# 1741
 Delta R.T. -0.000 min
 Lab File: BF128811.D
 Acq: 14 Jun 2022 20:44

Tgt Ion:202 Resp: 914417
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 31.4
 203 18.2 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 1991

Delta R.T. -0.006 min

Lab File: BF128811.D

Acq: 14 Jun 2022 20:44

Instrument :

BNA_F

ClientSampleId :

EW-WMR-COMP-3

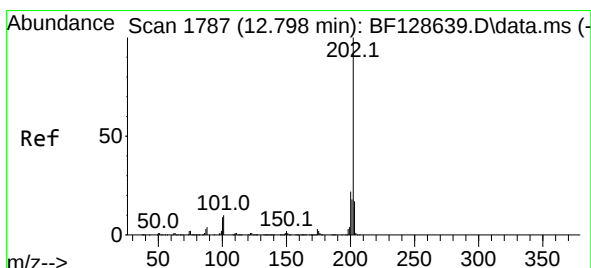
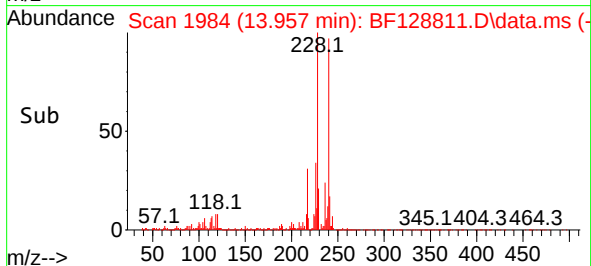
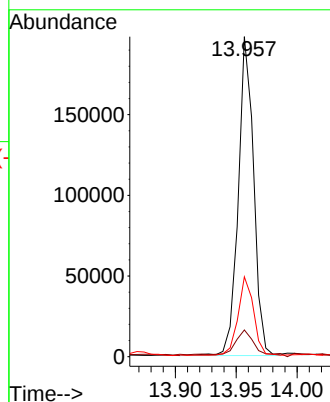
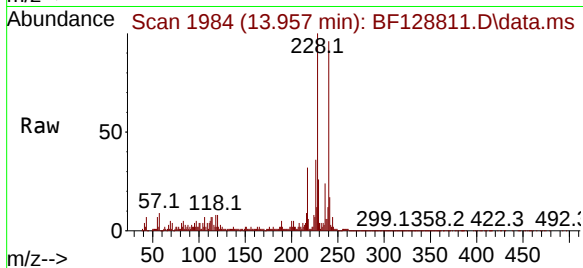
Tgt Ion:240 Resp: 173663

Ion Ratio Lower Upper

240 100

120 8.4 8.9 13.3#

236 24.9 20.8 31.2



#78

Pyrene

Concen: 79.775 ng

RT: 12.763 min Scan# 1781

Delta R.T. 0.006 min

Lab File: BF128811.D

Acq: 14 Jun 2022 20:44

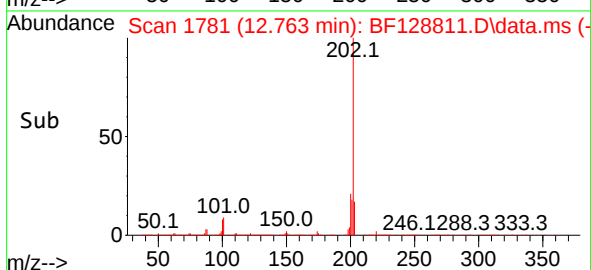
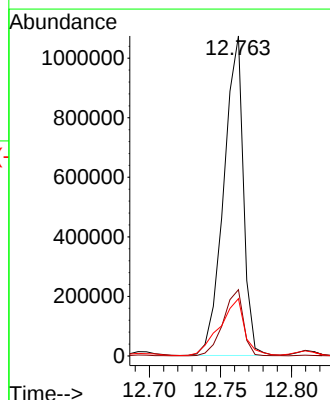
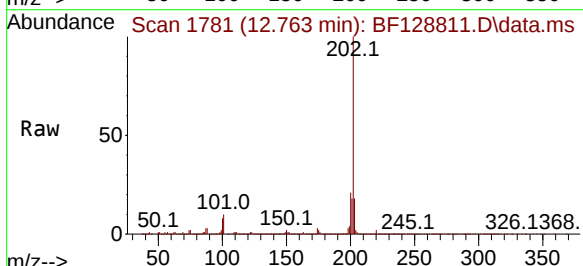
Tgt Ion:202 Resp: 1030732

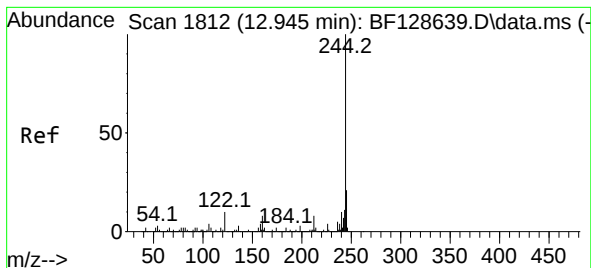
Ion Ratio Lower Upper

202 100

200 20.7 17.7 26.5

203 17.9 14.6 21.8





#79

Terphenyl-d14

Concen: 56.447 ng

RT: 12.898 min Scan# 1804

Delta R.T. -0.006 min

Lab File: BF128811.D

Acq: 14 Jun 2022 20:44

Instrument :

BNA_F

ClientSampleId :

EW-WMR-COMP-3

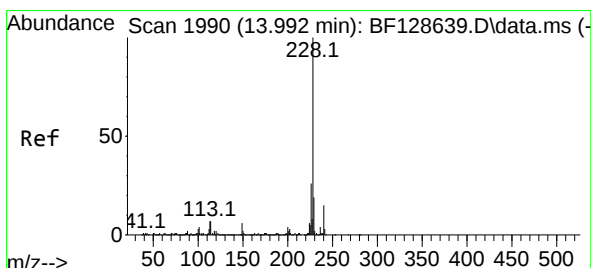
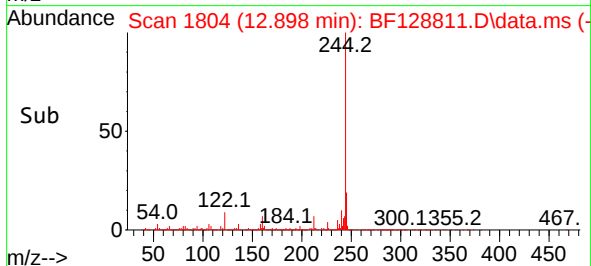
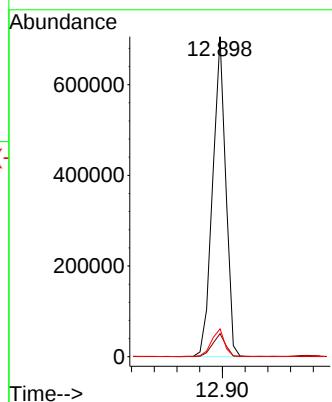
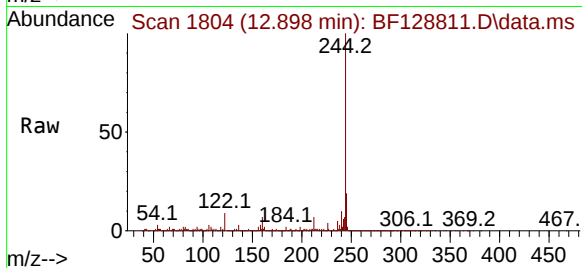
Tgt Ion:244 Resp: 564148

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

122 8.7 8.8 13.2#



#81

Benzo(a)anthracene

Concen: 51.439 ng

RT: 13.951 min Scan# 1983

Delta R.T. -0.000 min

Lab File: BF128811.D

Acq: 14 Jun 2022 20:44

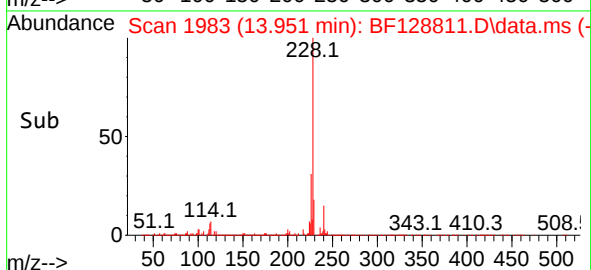
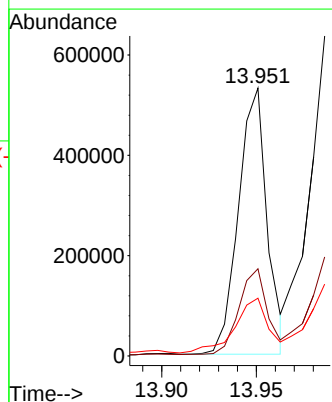
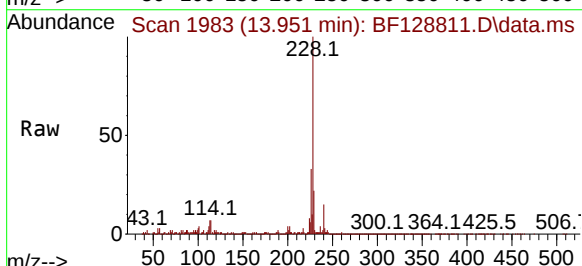
Tgt Ion:228 Resp: 556830

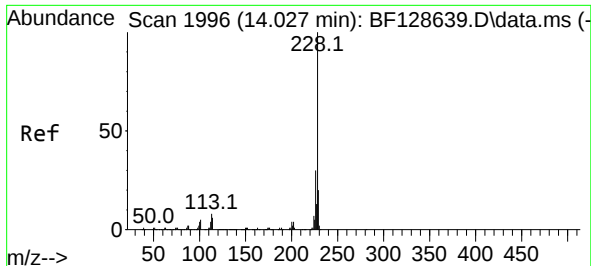
Ion Ratio Lower Upper

228 100

226 32.6 22.1 33.1

229 21.5 15.8 23.8





#83

Chrysene

Concen: 57.618 ng

RT: 13.986 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BF128811.D

Acq: 14 Jun 2022 20:44

Instrument :

BNA_F

ClientSampleId :

EW-WMR-COMP-3

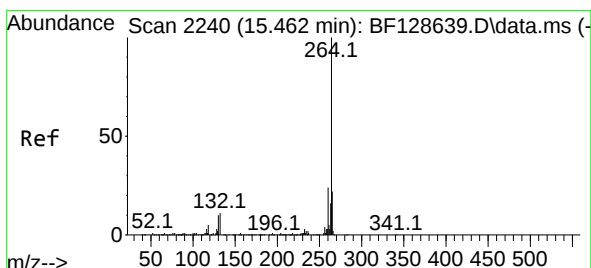
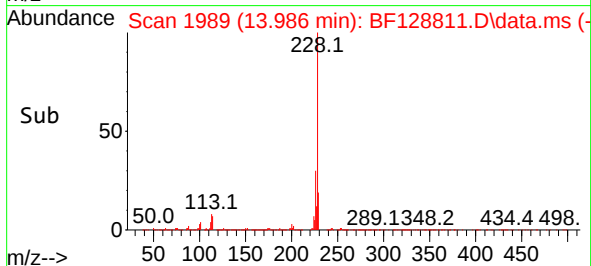
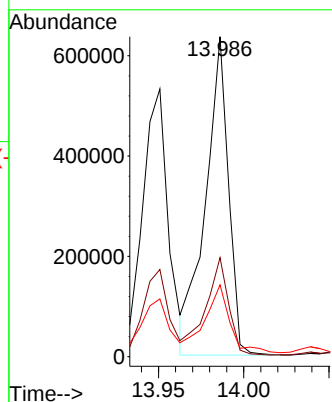
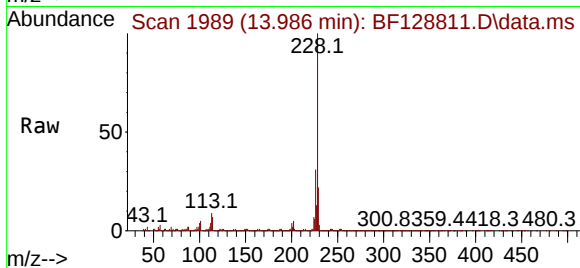
Tgt Ion:228 Resp: 594638

Ion Ratio Lower Upper

228 100

226 31.0 24.3 36.5

229 22.4 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2232

Delta R.T. -0.000 min

Lab File: BF128811.D

Acq: 14 Jun 2022 20:44

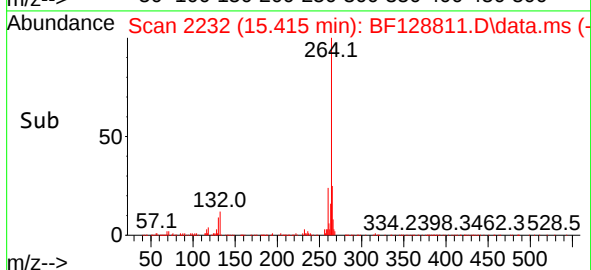
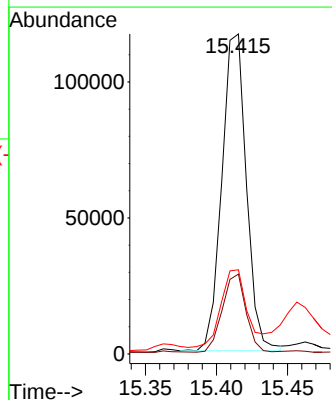
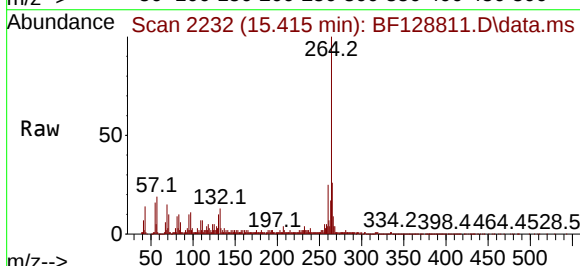
Tgt Ion:264 Resp: 139704

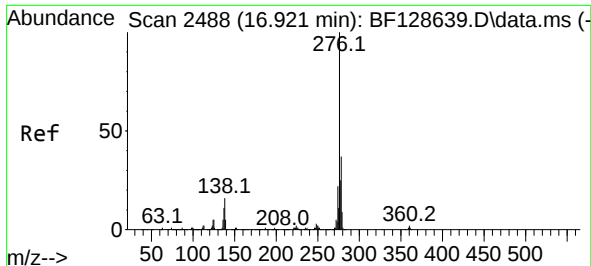
Ion Ratio Lower Upper

264 100

260 24.9 18.4 27.6

265 26.3 17.2 25.8#

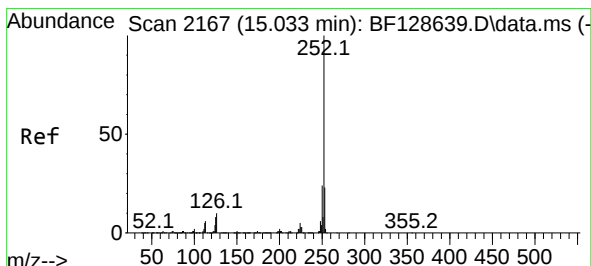
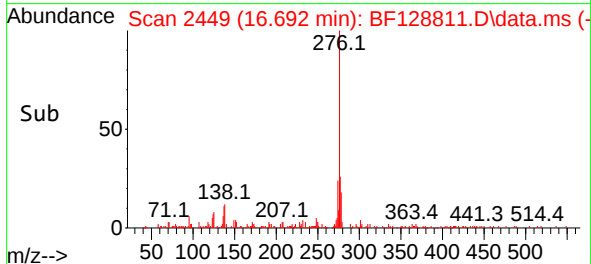
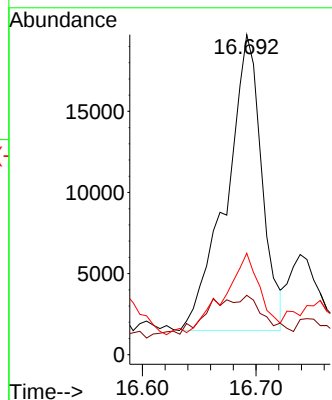
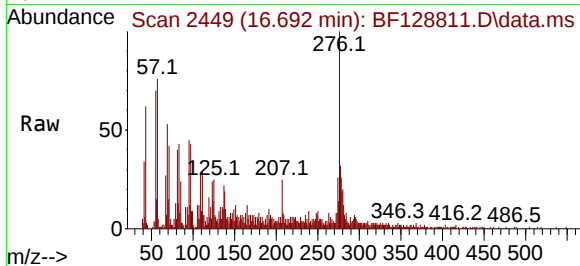




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.723 ng
RT: 16.692 min Scan# 2488
Delta R.T. -0.171 min
Lab File: BF128811.D
Acq: 14 Jun 2022 20:44

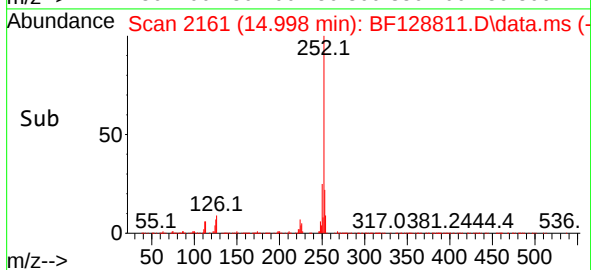
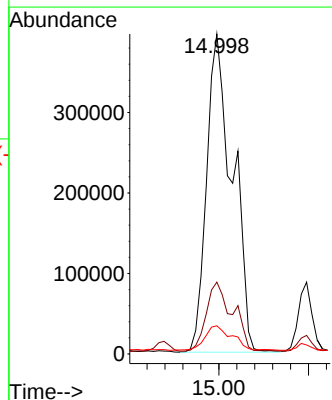
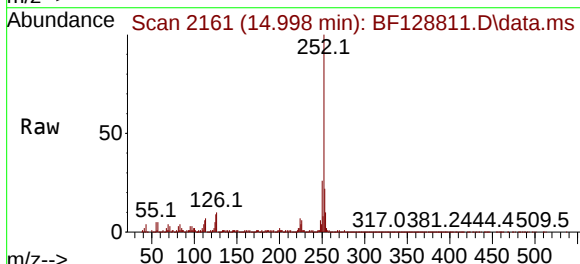
Instrument :
BNA_F
ClientSampleId :
EW-WMR-COMP-3

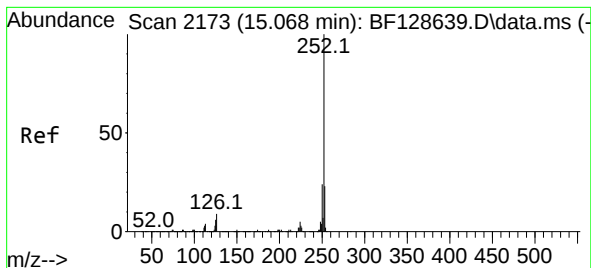
Tgt Ion:276 Resp: 39770
Ion Ratio Lower Upper
276 100
138 24.4 21.1 31.7
277 29.1 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 88.529 ng
RT: 14.998 min Scan# 2161
Delta R.T. 0.006 min
Lab File: BF128811.D
Acq: 14 Jun 2022 20:44

Tgt Ion:252 Resp: 790288
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 8.8 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 94.110 ng

RT: 14.998 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF128811.D

Acq: 14 Jun 2022 20:44

Instrument :

BNA_F

ClientSampleId :

EW-WMR-COMP-3

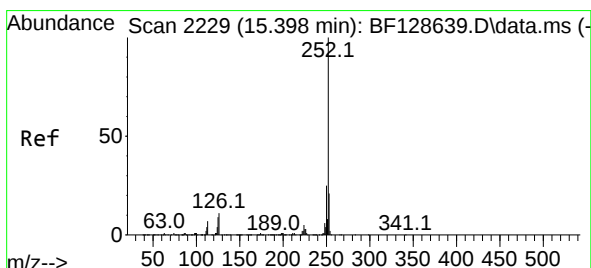
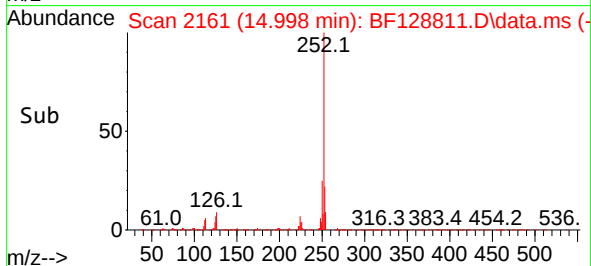
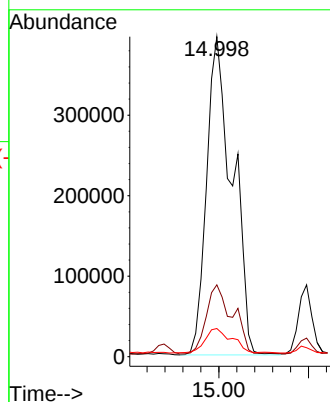
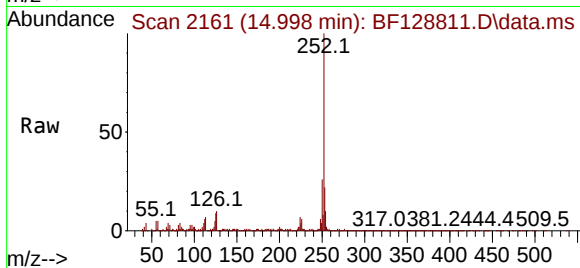
Tgt Ion:252 Resp: 790288

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

125 8.8 8.3 12.5



#90

Benzo(a)pyrene

Concen: 60.184 ng

RT: 15.357 min Scan# 2222

Delta R.T. -0.000 min

Lab File: BF128811.D

Acq: 14 Jun 2022 20:44

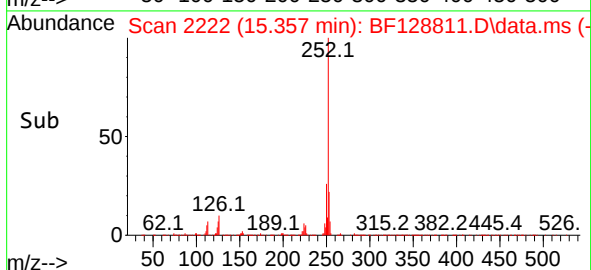
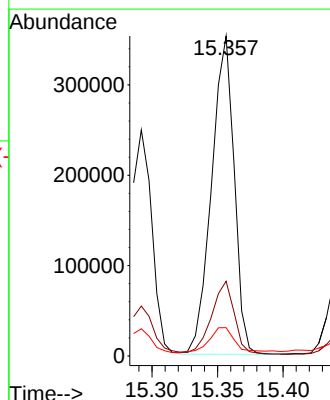
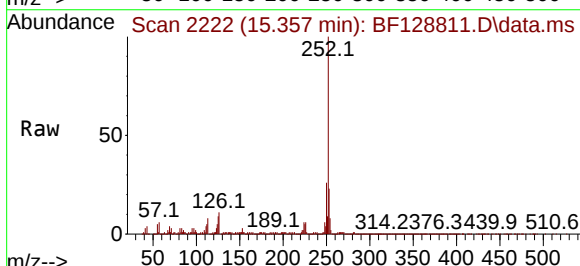
Tgt Ion:252 Resp: 422267

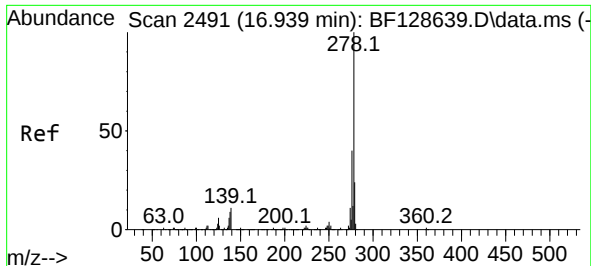
Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

125 8.8 8.8 13.2

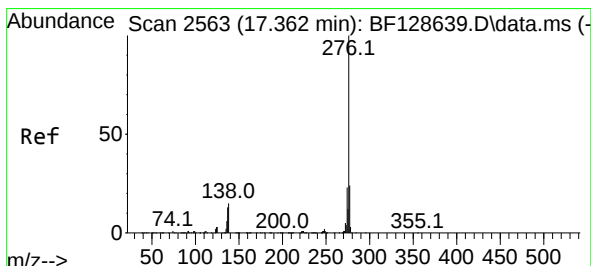
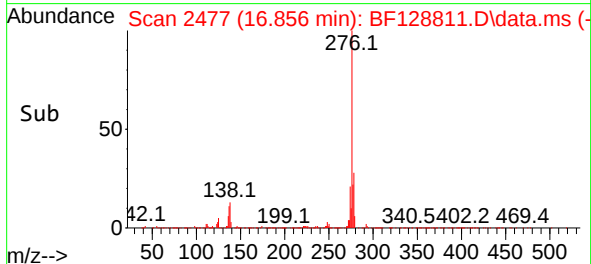
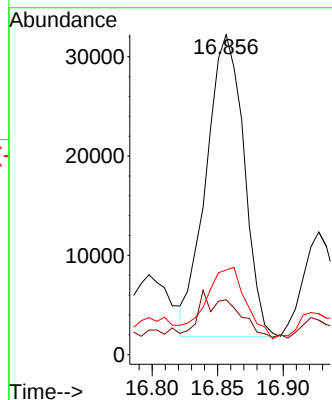
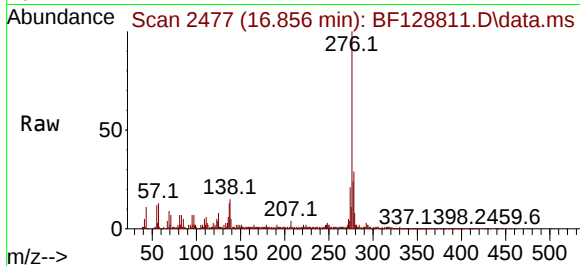




#91
Dibenzo(a,h)anthracene
Concen: 8.721 ng
RT: 16.856 min Scan# 2491
Delta R.T. -0.018 min
Lab File: BF128811.D
Acq: 14 Jun 2022 20:44

Instrument :
BNA_F
ClientSampleId :
EW-WMR-COMP-3

Tgt Ion:278 Resp: 60910
Ion Ratio Lower Upper
278 100
139 17.1 12.8 19.2
279 26.4 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 7.301 ng
RT: 17.521 min Scan# 2590
Delta R.T. 0.223 min
Lab File: BF128811.D
Acq: 14 Jun 2022 20:44

Tgt Ion:276 Resp: 50539
Ion Ratio Lower Upper
276 100
277 27.3 19.1 28.7
138 19.1 18.0 27.0

