

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
 Data File : BF129562.D
 Acq On : 04 Aug 2022 03:05
 Operator : CG\JU
 Sample : N4016-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-ES

Quant Time: Aug 04 04:00:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 01:11:25 2022
 Response via : Initial Calibration

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

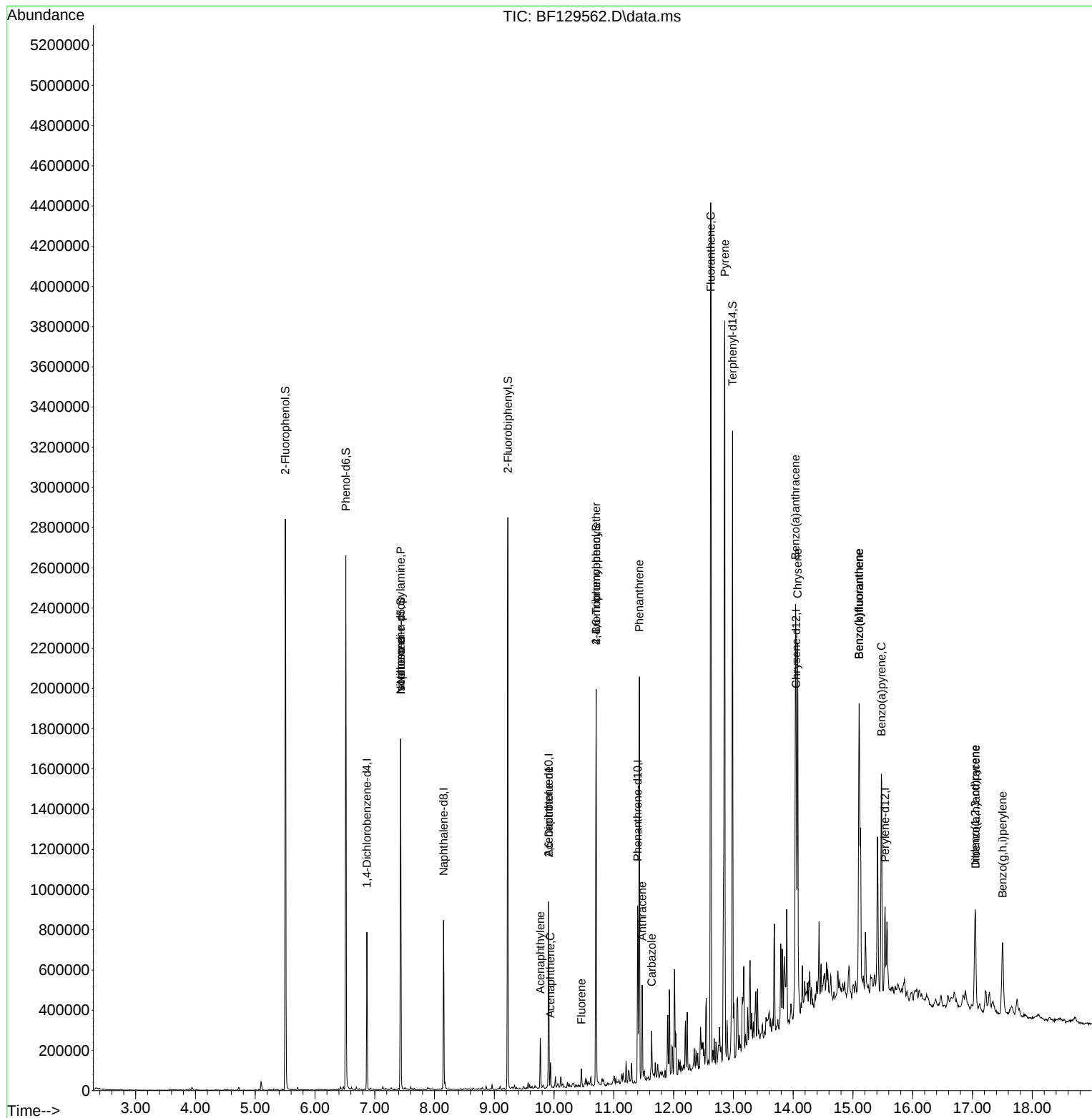
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	100451	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	336981	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	166724	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	317258	20.000	ng	# 0.00
76) Chrysene-d12	14.051	240	222866	20.000	ng	0.00
86) Perylene-d12	15.539	264	168149	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	731905	118.692	ng	0.00
7) Phenol-d6	6.516	99	823234	106.212	ng	0.00
23) Nitrobenzene-d5	7.433	82	494708	80.139	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	204643	127.668	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	791563	73.445	ng	0.00
79) Terphenyl-d14	12.986	244	952323	80.615	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.433	70	64949	13.842	ng	# 73
25) Isophorone	7.433	82	494700	44.707	ng	# 65
49) Acenaphthylene	9.769	152	100895	6.751	ng	100
51) 2,6-Dinitrotoluene	9.910	165	22369	8.683	ng	# 26
52) Acenaphthene	9.939	154	24873	2.548	ng	96
58) Fluorene	10.457	166	21959	2.039	ng	98
67) 4-Bromophenyl-phenylether	10.704	248	13076	3.764	ng	# 1
71) Phenanthrene	11.427	178	707101	40.830	ng	99
72) Anthracene	11.474	178	162444	9.545	ng	97
73) Carbazole	11.633	167	79416	4.957	ng	97
75) Fluoranthene	12.621	202	1797287	102.425	ng	98
78) Pyrene	12.857	202	1636483	87.810	ng	99
81) Benzo(a)anthracene	14.039	228	799038	52.486	ng	98
83) Chrysene	14.074	228	682560	47.572	ng	97
87) Indeno(1,2,3-cd)pyrene	17.045	276	325759	28.769	ng	95
88) Benzo(b)fluoranthene	15.104	252	1076541	96.518	ng	# 98
89) Benzo(k)fluoranthene	15.104	252	1076541	98.491	ng	98
90) Benzo(a)pyrene	15.480	252	525640	58.054	ng	97
91) Dibenzo(a,h)anthracene	17.051	278	84835	9.205	ng	# 88
92) Benzo(g,h,i)perylene	17.503	276	306800	32.578	ng	98

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

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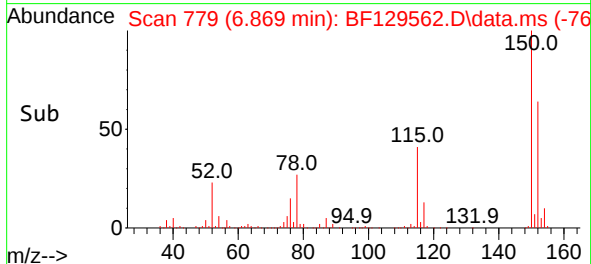
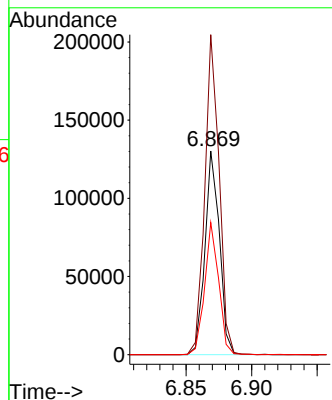
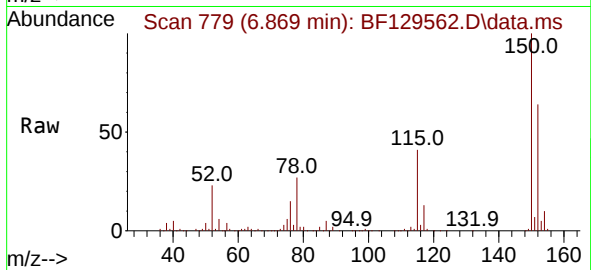




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

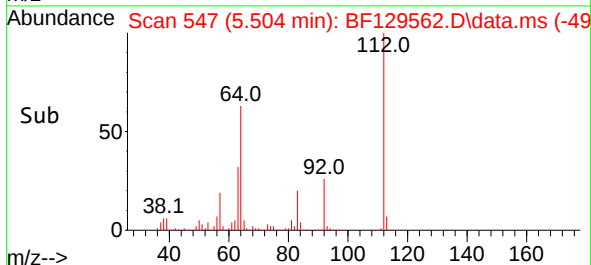
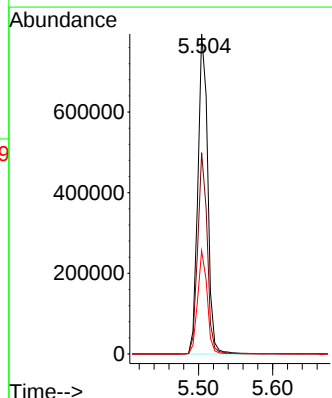
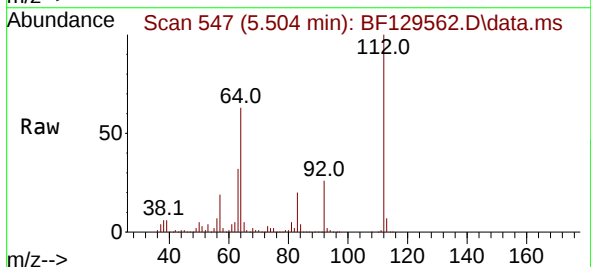
Instrument :
BNA_F
ClientSampleId :
MH-ES

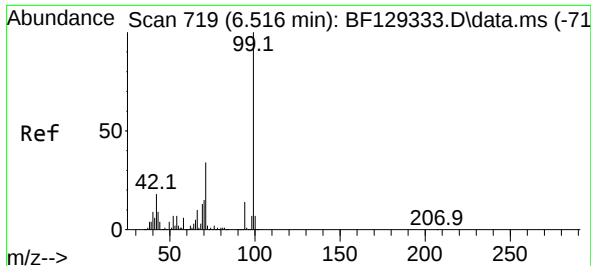
Tgt Ion:152 Resp: 100451
Ion Ratio Lower Upper
152 100
150 157.1 123.7 185.5
115 64.9 49.9 74.9



#5
2-Fluorophenol
Concen: 118.692 ng
RT: 5.504 min Scan# 547
Delta R.T. -0.000 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

Tgt Ion:112 Resp: 731905
Ion Ratio Lower Upper
112 100
64 62.9 53.3 79.9
63 32.2 28.0 42.0

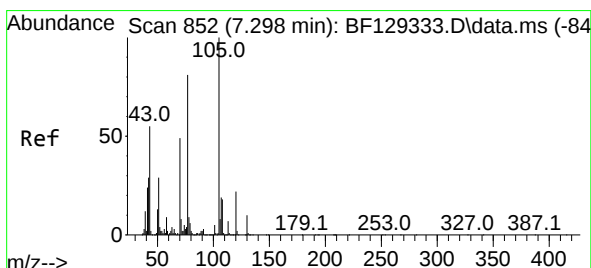
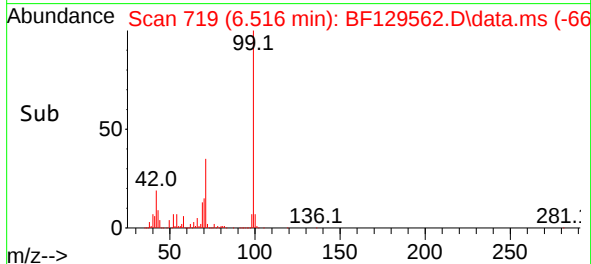
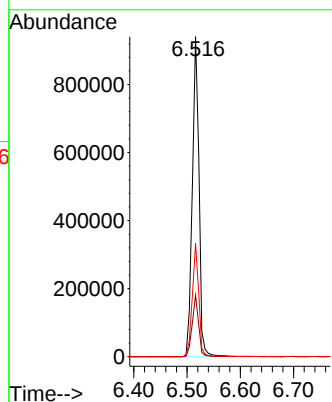
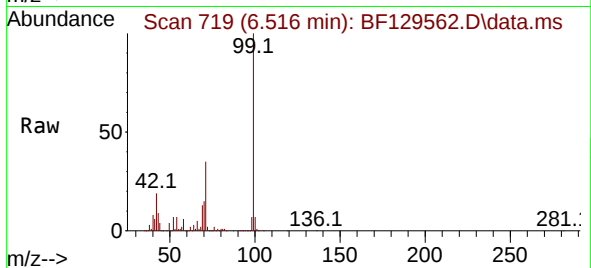




#7
Phenol-d6
Concen: 106.212 ng
RT: 6.516 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

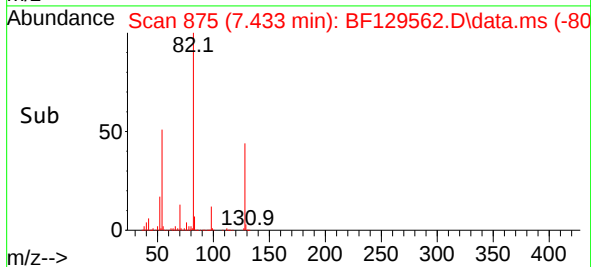
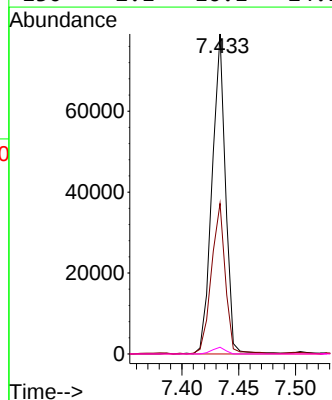
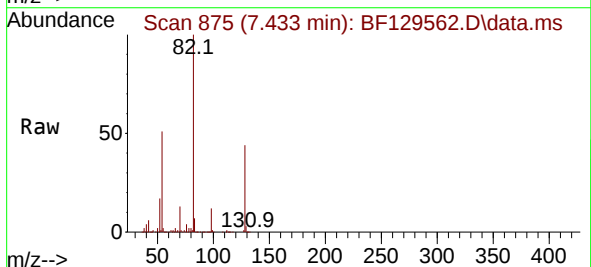
Instrument :
BNA_F
ClientSampleId :
MH-ES

Tgt Ion: 99 Resp: 823234
Ion Ratio Lower Upper
99 100
42 19.1 17.3 25.9
71 35.4 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 13.842 ng
RT: 7.433 min Scan# 875
Delta R.T. 0.141 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

Tgt Ion: 70 Resp: 64949
Ion Ratio Lower Upper
70 100
42 47.1 52.3 78.5#
101 0.0 7.5 11.3#
130 2.1 16.1 24.1#



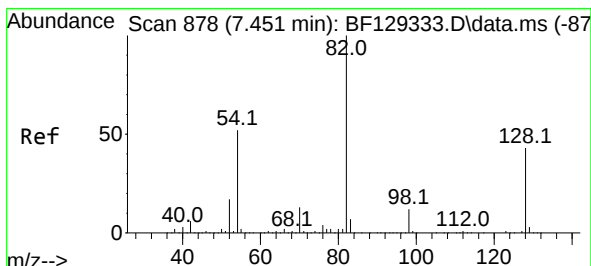
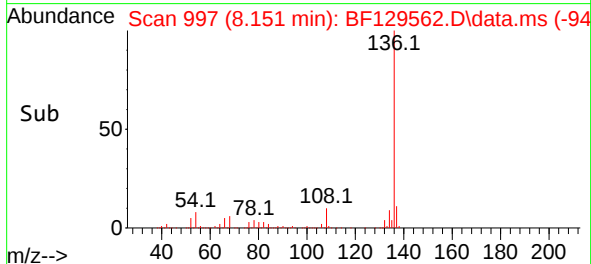
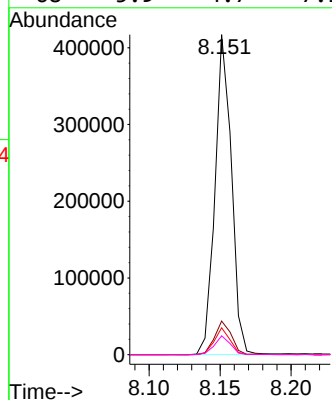
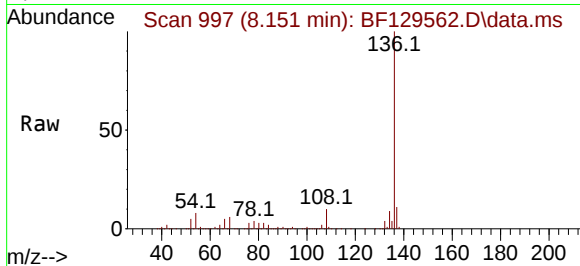


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

Instrument :
BNA_F
ClientSampleId :
MH-ES

Tgt Ion:136 Resp: 336981

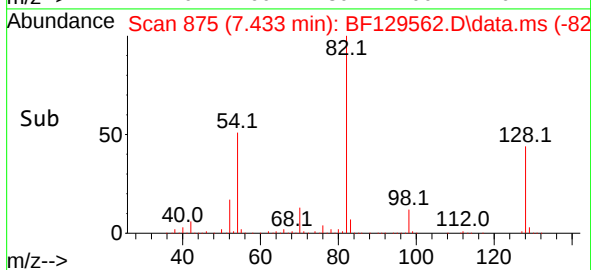
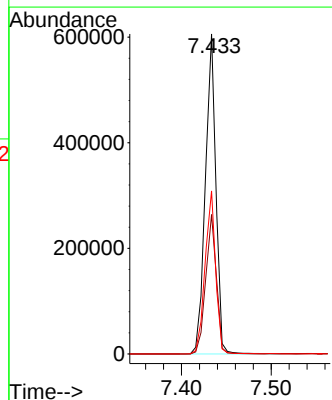
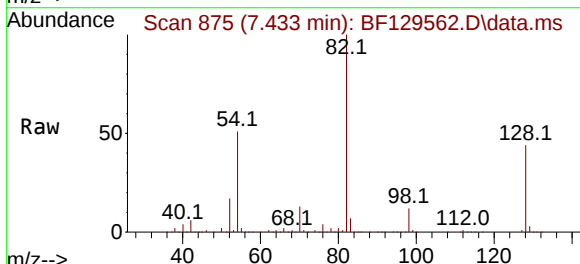
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	8.4	7.5	11.3
68	5.9	4.7	7.1

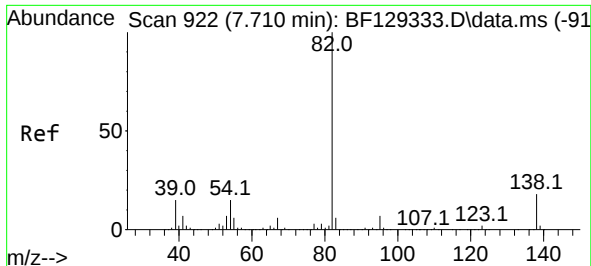


#23
Nitrobenzene-d5
Concen: 80.139 ng
RT: 7.433 min Scan# 875
Delta R.T. -0.012 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

Tgt Ion: 82 Resp: 494708

Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.0	51.0
54	51.0	46.9	70.3

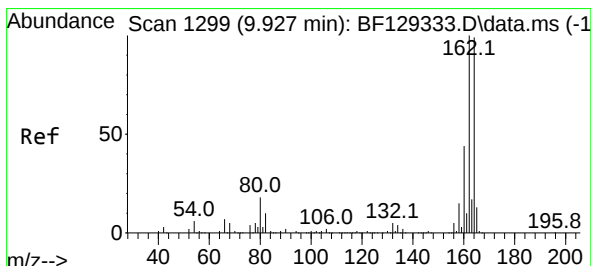
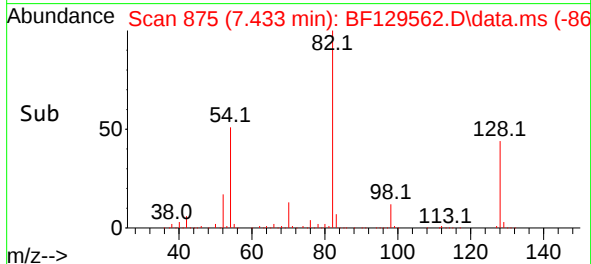
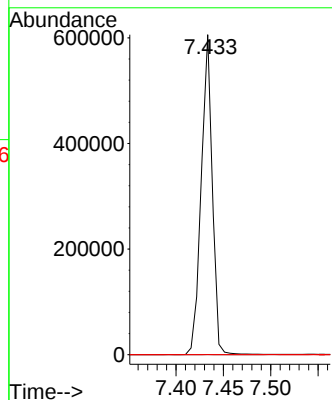
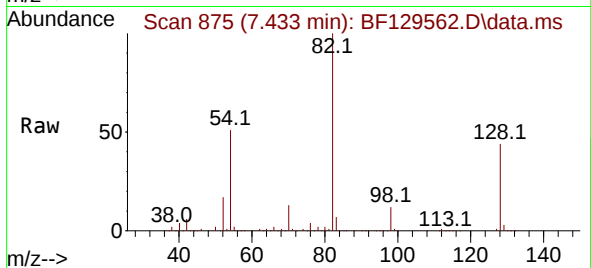




#25
Isophorone
Concen: 44.707 ng
RT: 7.433 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

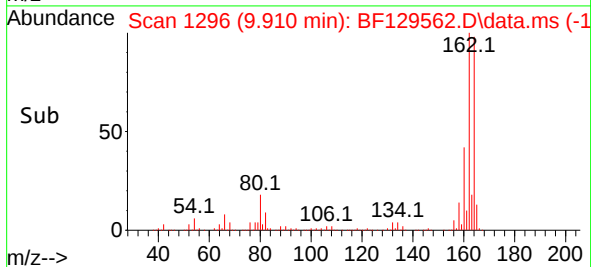
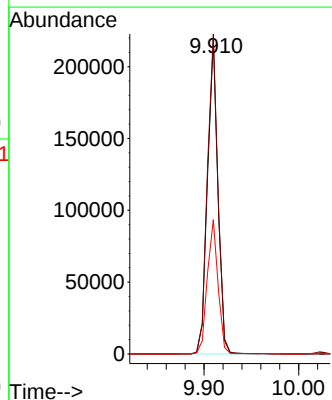
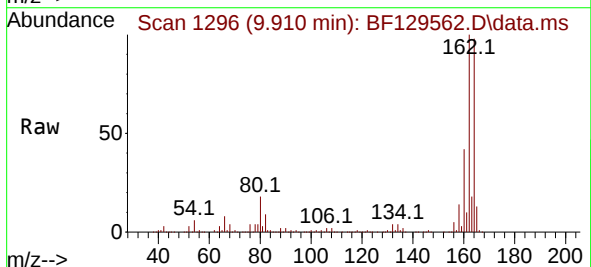
Instrument :
BNA_F
ClientSampleId :
MH-ES

Tgt Ion: 82 Resp: 494700
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: 9.910 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

Tgt Ion:164 Resp: 166724
Ion Ratio Lower Upper
164 100
162 101.6 79.5 119.3
160 42.6 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 127.668 ng

RT: 10.704 min Scan# 1434

Delta R.T. -0.006 min

Lab File: BF129562.D

Acq: 04 Aug 2022 03:05

Instrument :

BNA_F

ClientSampleId :

MH-ES

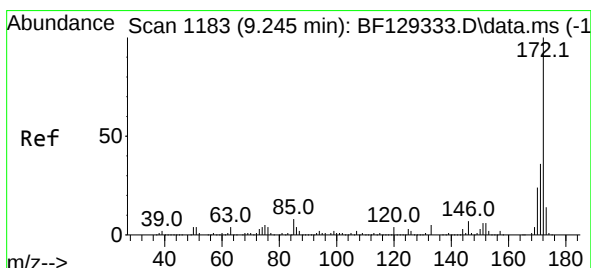
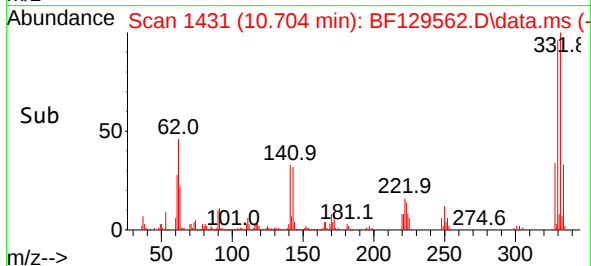
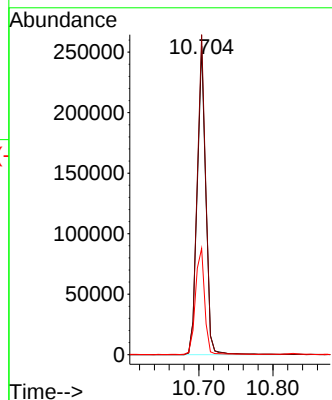
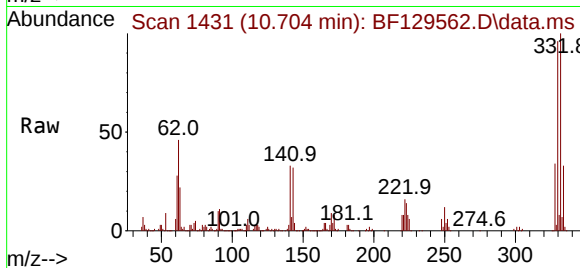
Tgt Ion:330 Resp: 204643

Ion Ratio Lower Upper

330 100

332 102.9 76.8 115.2

141 37.3 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 73.445 ng

RT: 9.227 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF129562.D

Acq: 04 Aug 2022 03:05

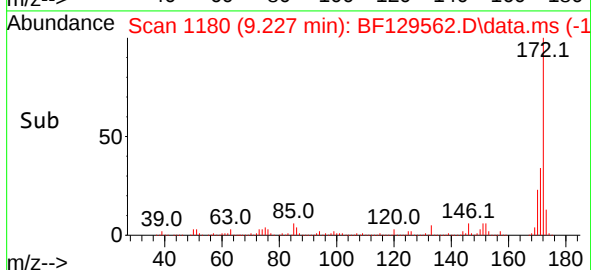
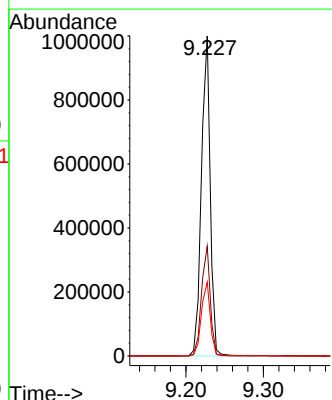
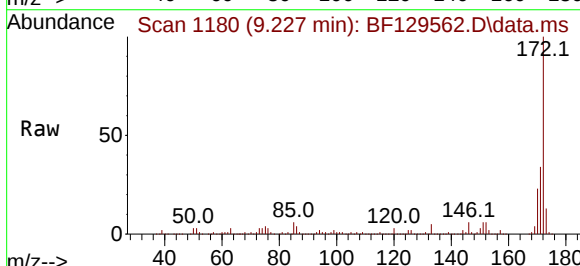
Tgt Ion:172 Resp: 791563

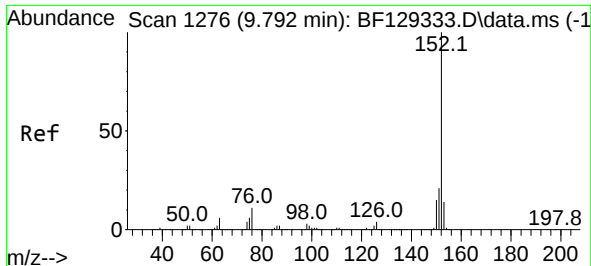
Ion Ratio Lower Upper

172 100

171 34.3 28.8 43.2

170 23.1 19.8 29.8





#49

Acenaphthylene

Concen: 6.751 ng

RT: 9.769 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129562.D

Acq: 04 Aug 2022 03:05

Instrument :

BNA_F

ClientSampleId :

MH-ES

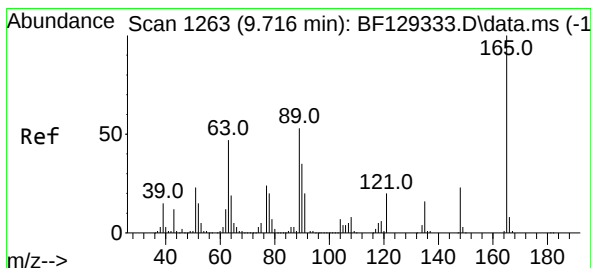
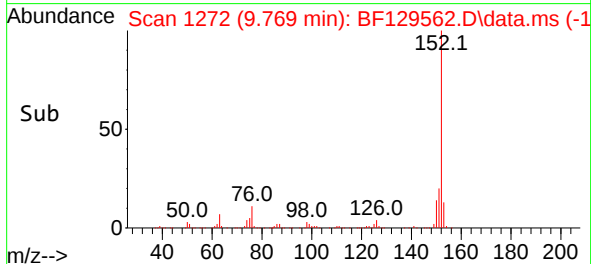
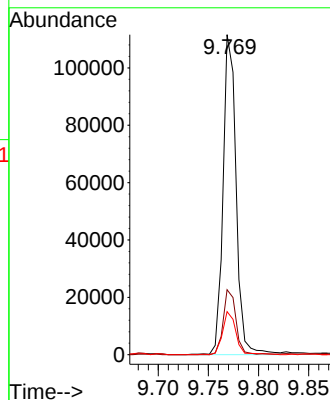
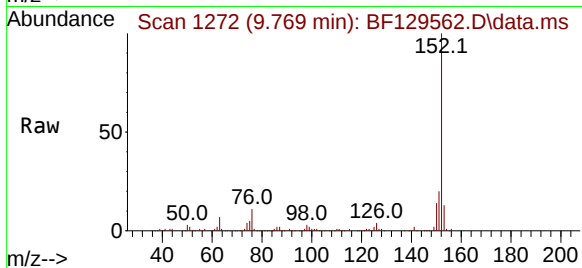
Tgt Ion:152 Resp: 100895

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.4

153 13.4 10.7 16.1



#51

2,6-Dinitrotoluene

Concen: 8.683 ng

RT: 9.910 min Scan# 1296

Delta R.T. 0.206 min

Lab File: BF129562.D

Acq: 04 Aug 2022 03:05

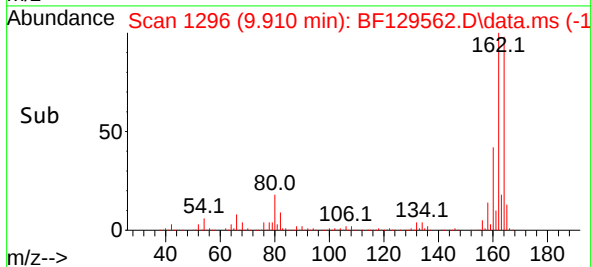
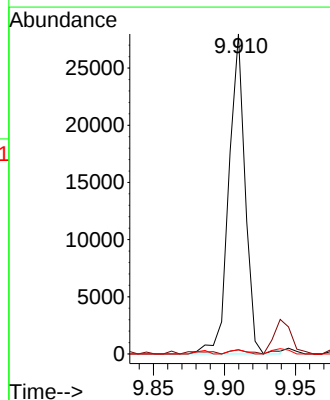
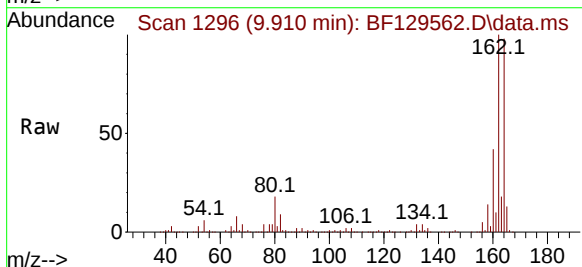
Tgt Ion:165 Resp: 22369

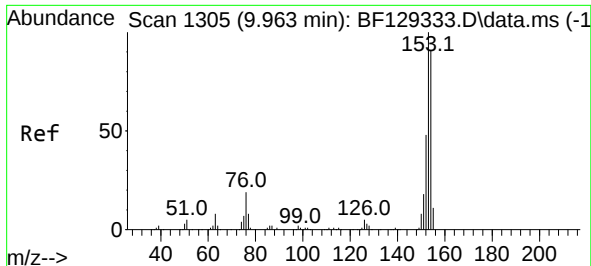
Ion Ratio Lower Upper

165 100

63 1.3 44.9 67.3#

89 1.3 43.6 65.4#

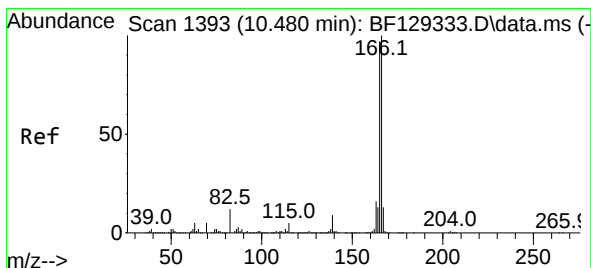
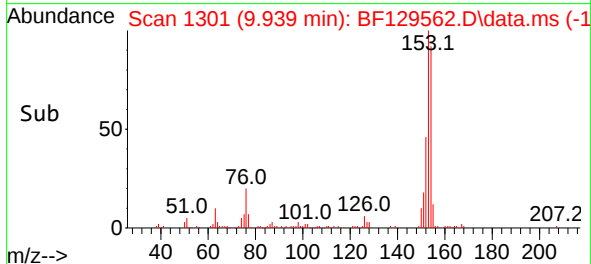
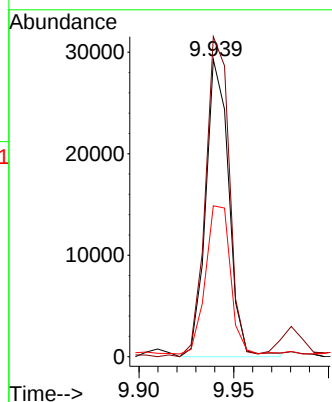
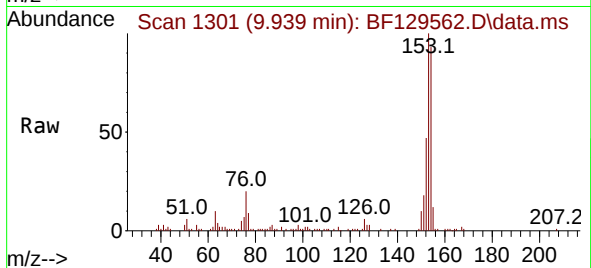




#52
Acenaphthene
Concen: 2.548 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

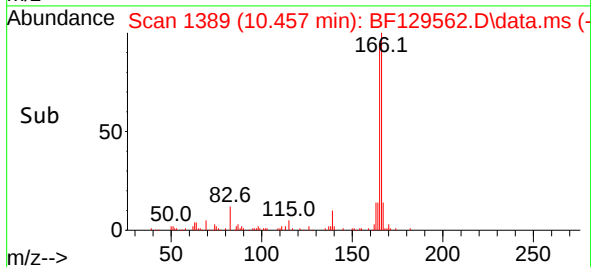
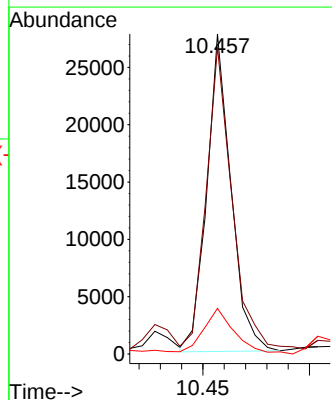
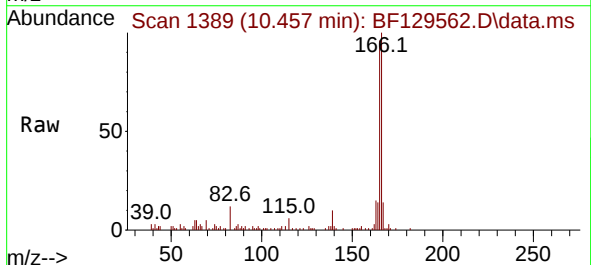
Instrument :
BNA_F
ClientSampleId :
MH-ES

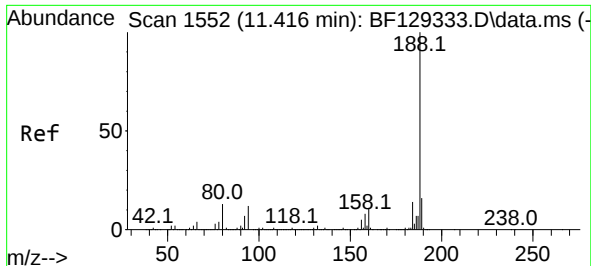
Tgt Ion:154 Resp: 24873
Ion Ratio Lower Upper
154 100
153 107.6 89.6 134.4
152 50.8 42.4 63.6



#58
Fluorene
Concen: 2.039 ng
RT: 10.457 min Scan# 1389
Delta R.T. -0.012 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

Tgt Ion:166 Resp: 21959
Ion Ratio Lower Upper
166 100
165 95.9 78.1 117.1
167 14.2 10.5 15.7

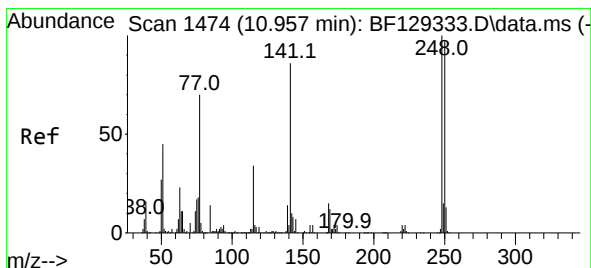
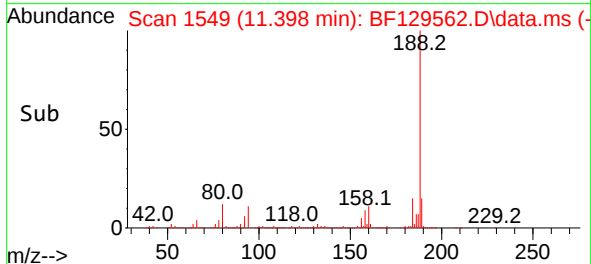
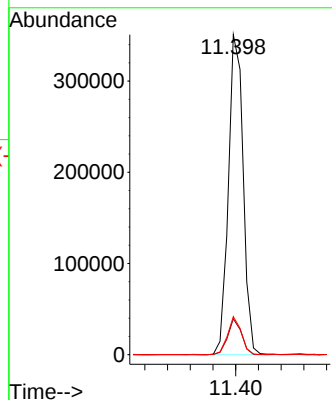
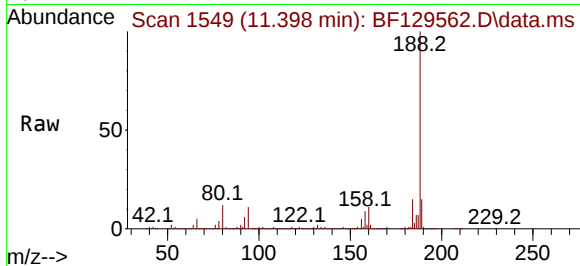




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

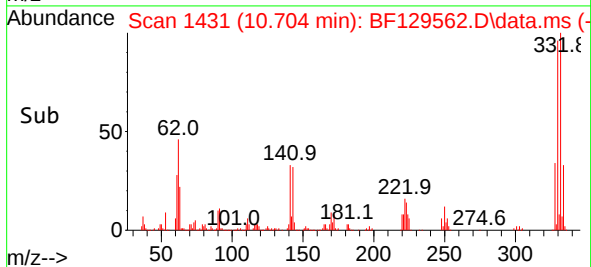
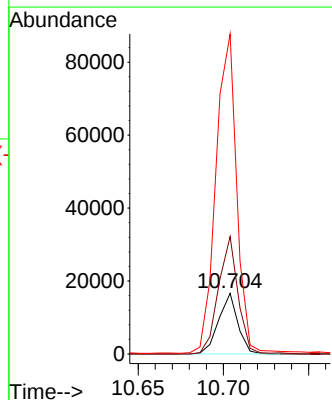
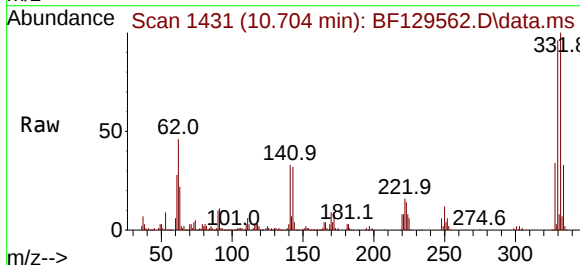
Instrument :
BNA_F
ClientSampleId :
MH-ES

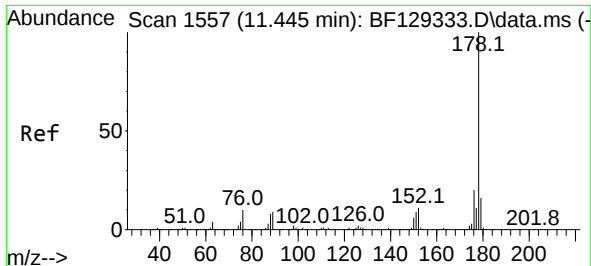
Tgt Ion:188 Resp: 317258
Ion Ratio Lower Upper
188 100
94 11.2 7.0 10.6#
80 11.9 7.6 11.4#



#67
4-Bromophenyl-phenylether
Concen: 3.764 ng
RT: 10.704 min Scan# 1431
Delta R.T. -0.241 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

Tgt Ion:248 Resp: 13076
Ion Ratio Lower Upper
248 100
250 193.6 80.6 120.8#
141 527.6 58.9 88.3#

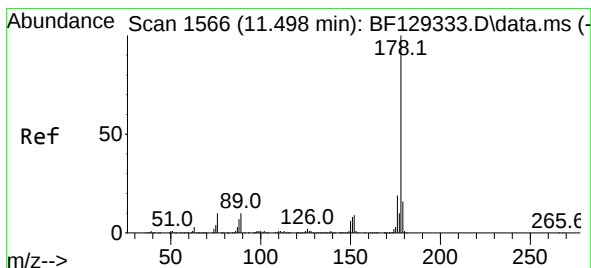
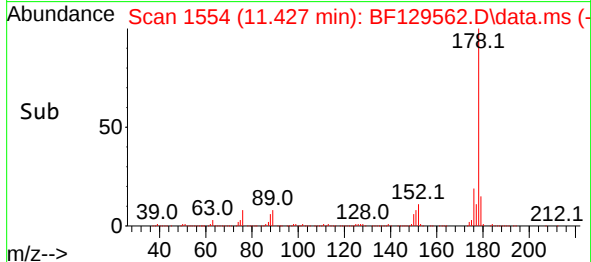
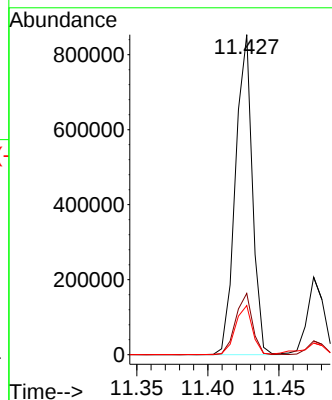
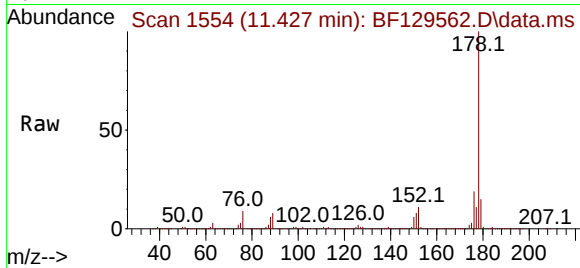




#71
Phenanthrene
Concen: 40.830 ng
RT: 11.427 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

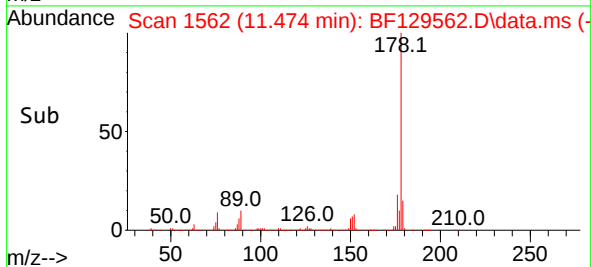
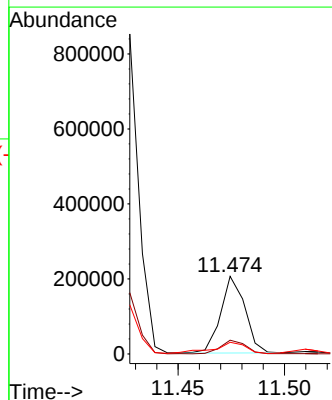
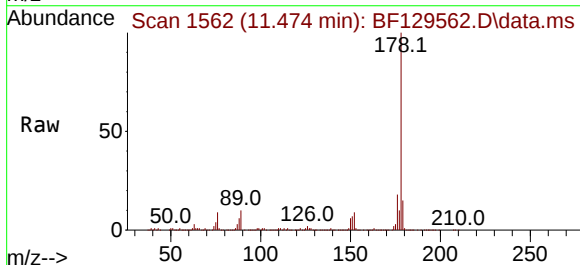
Instrument :
BNA_F
ClientSampleId :
MH-ES

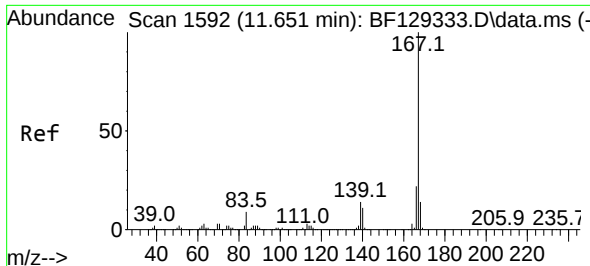
Tgt Ion:178 Resp: 707101
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.4 12.6 19.0



#72
Anthracene
Concen: 9.545 ng
RT: 11.474 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

Tgt Ion:178 Resp: 162444
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.2
179 15.2 12.6 19.0

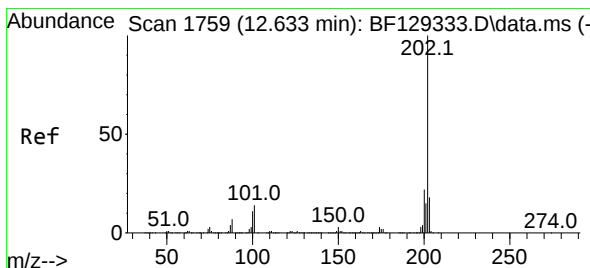
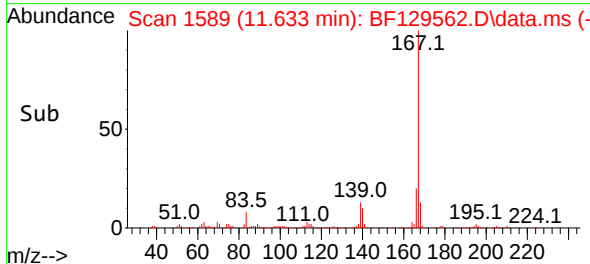
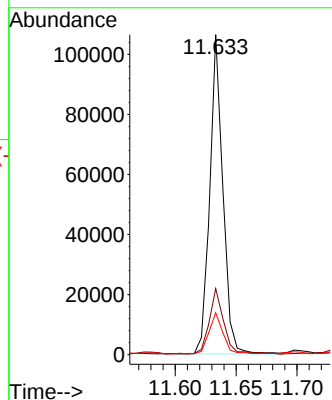
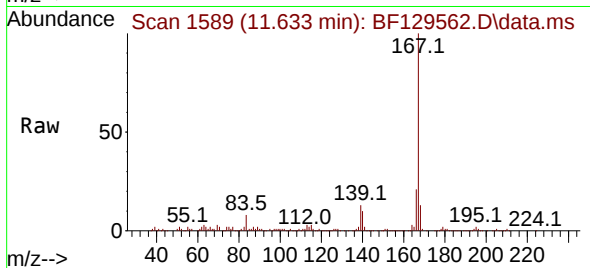




#73
 Carbazole
 Concen: 4.957 ng
 RT: 11.633 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129562.D
 Acq: 04 Aug 2022 03:05

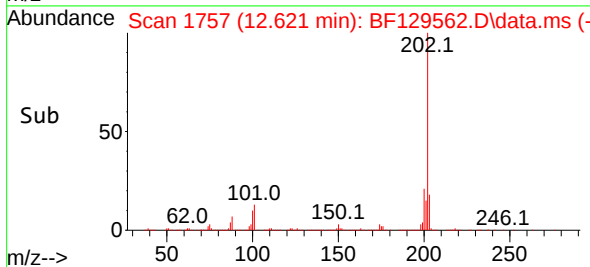
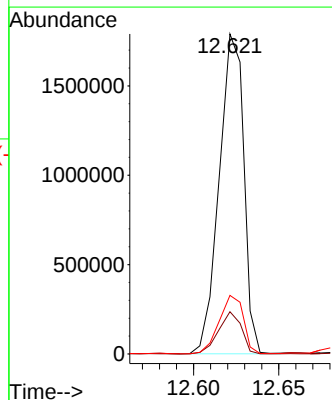
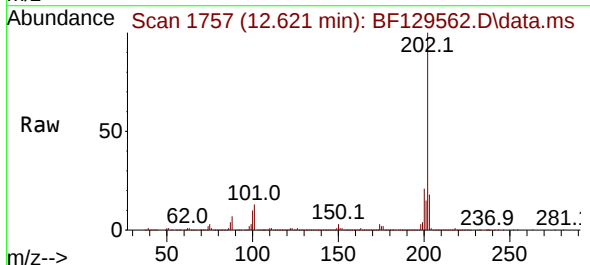
Instrument :
 BNA_F
 ClientSampleId :
 MH-ES

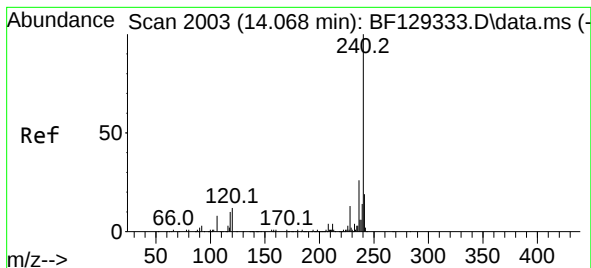
Tgt Ion:167 Resp: 79416
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.7 26.5
 139 13.1 11.2 16.8



#75
 Fluoranthene
 Concen: 102.425 ng
 RT: 12.621 min Scan# 1757
 Delta R.T. -0.000 min
 Lab File: BF129562.D
 Acq: 04 Aug 2022 03:05

Tgt Ion:202 Resp: 1797287
 Ion Ratio Lower Upper
 202 100
 101 13.2 0.0 31.4
 203 18.3 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2000

Delta R.T. -0.000 min

Lab File: BF129562.D

Acq: 04 Aug 2022 03:05

Instrument :

BNA_F

ClientSampleId :

MH-ES

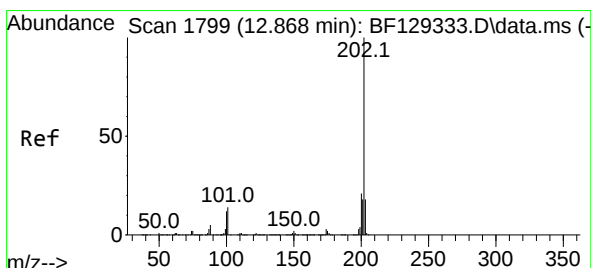
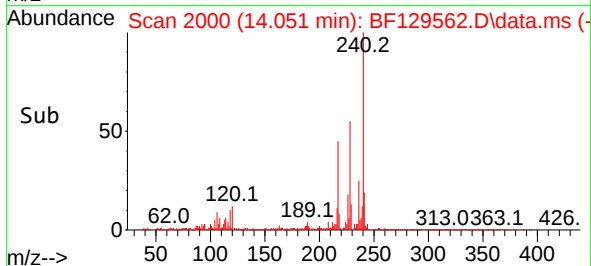
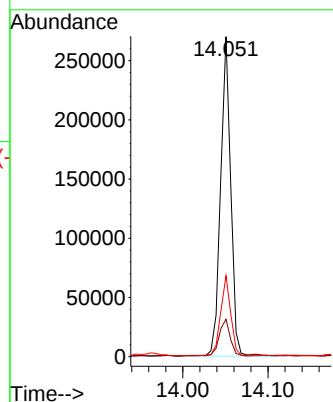
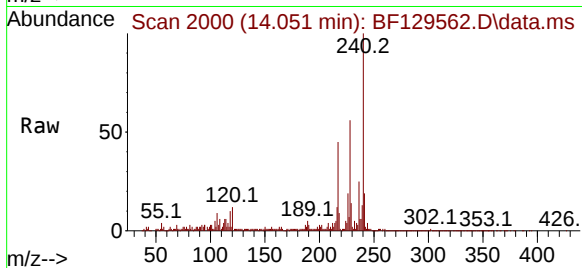
Tgt Ion:240 Resp: 222866

Ion Ratio Lower Upper

240 100

120 11.7 8.9 13.3

236 25.3 20.8 31.2



#78

Pyrene

Concen: 87.810 ng

RT: 12.857 min Scan# 1797

Delta R.T. 0.006 min

Lab File: BF129562.D

Acq: 04 Aug 2022 03:05

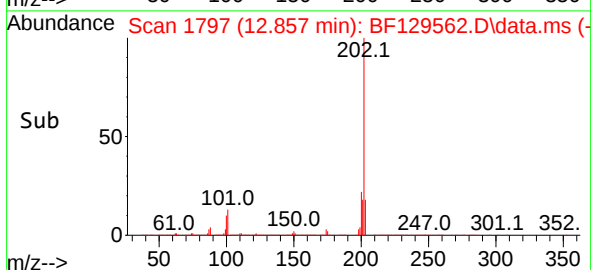
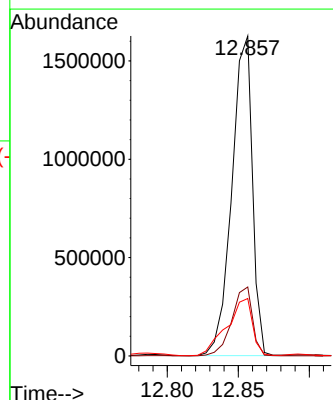
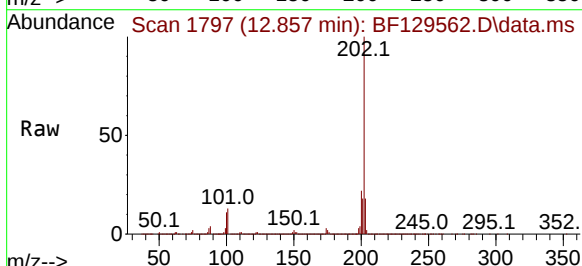
Tgt Ion:202 Resp: 1636483

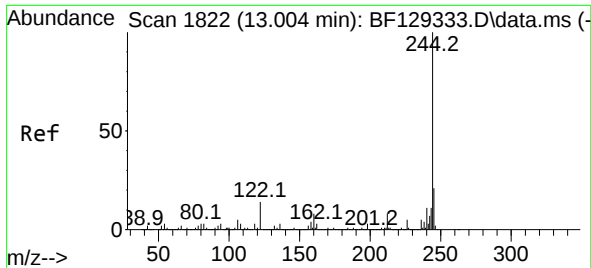
Ion Ratio Lower Upper

202 100

200 21.5 17.7 26.5

203 17.9 14.6 21.8

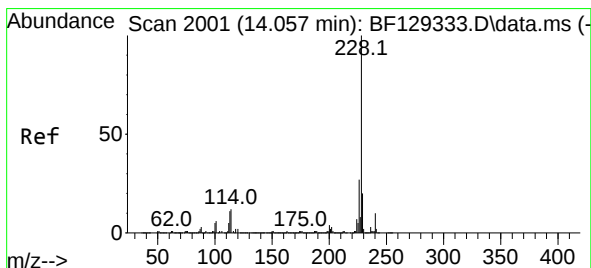
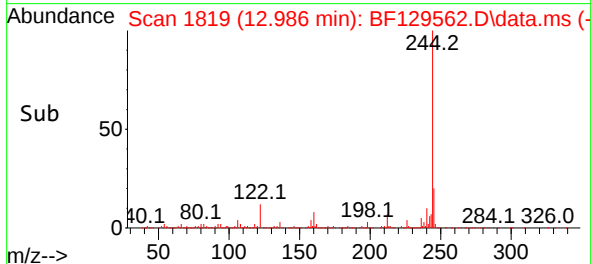
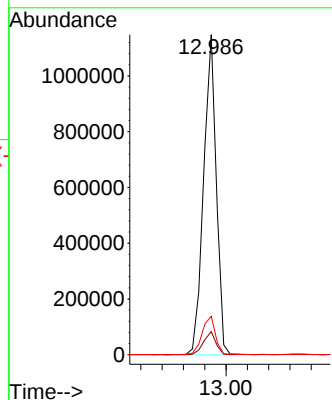
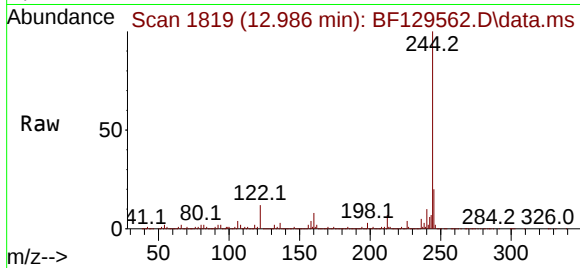




#79
 Terphenyl-d14
 Concen: 80.615 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF129562.D
 Acq: 04 Aug 2022 03:05

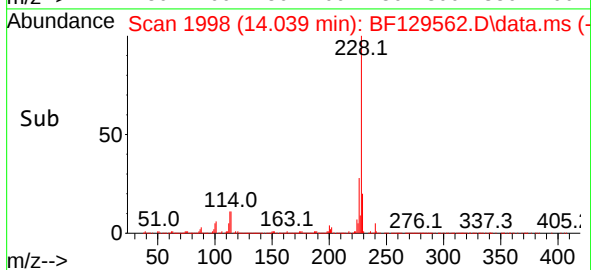
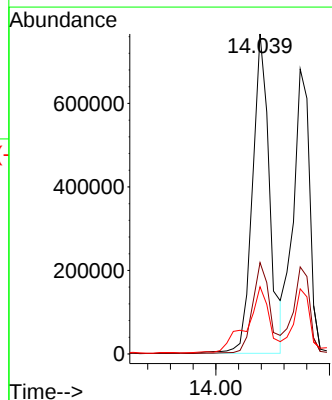
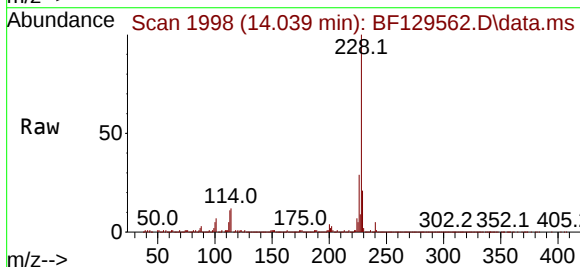
Instrument :
 BNA_F
 ClientSampleId :
 MH-ES

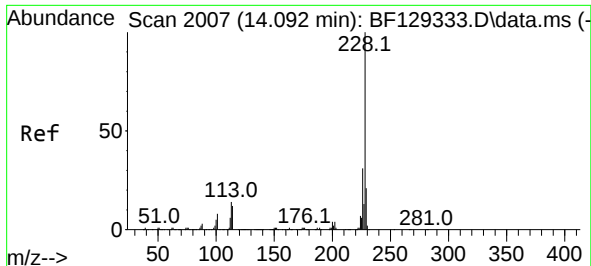
Tgt Ion:244 Resp: 952323
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 12.0 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 52.486 ng
 RT: 14.039 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: BF129562.D
 Acq: 04 Aug 2022 03:05

Tgt Ion:228 Resp: 799038
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.1 33.1
 229 21.0 15.8 23.8

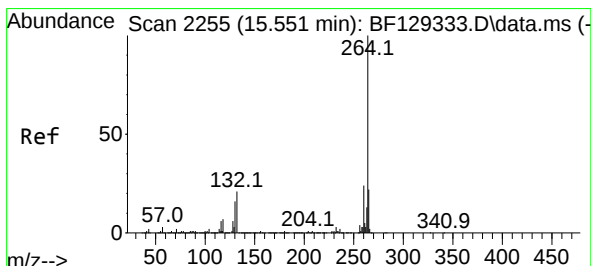
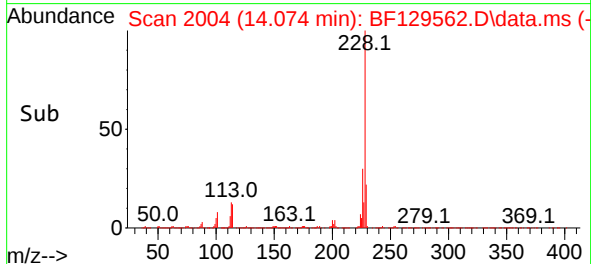
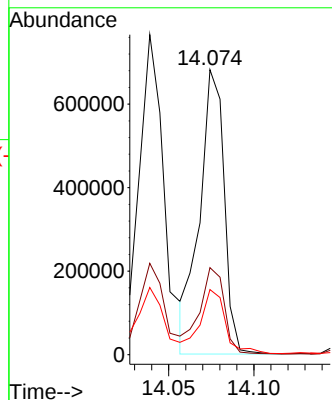
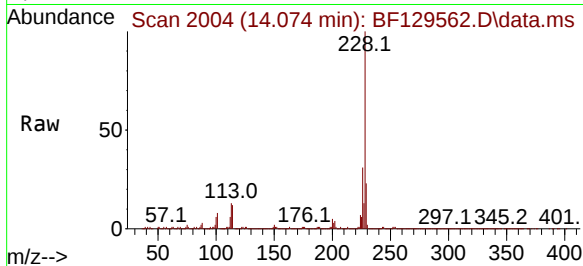




#83
Chrysene
Concen: 47.572 ng
RT: 14.074 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

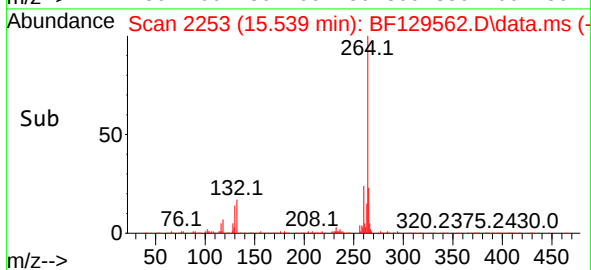
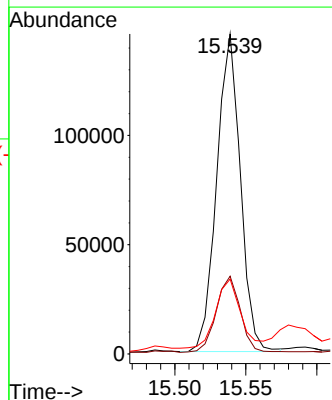
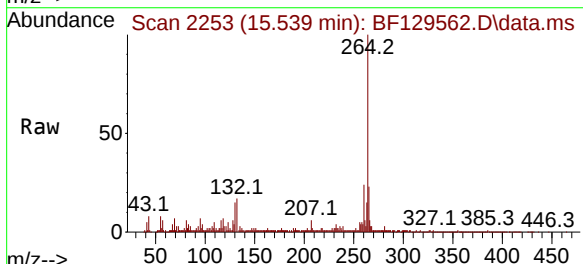
Instrument :
BNA_F
ClientSampleId :
MH-ES

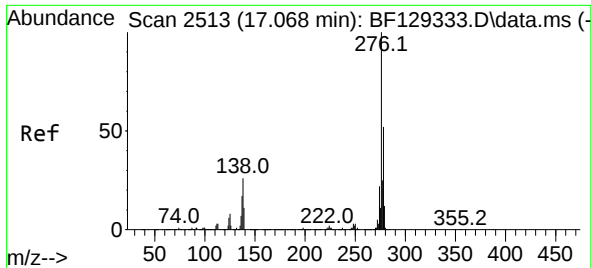
Tgt Ion:228 Resp: 682560
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 22.9 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2253
Delta R.T. 0.012 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

Tgt Ion:264 Resp: 168149
Ion Ratio Lower Upper
264 100
260 24.3 18.4 27.6
265 23.4 17.2 25.8

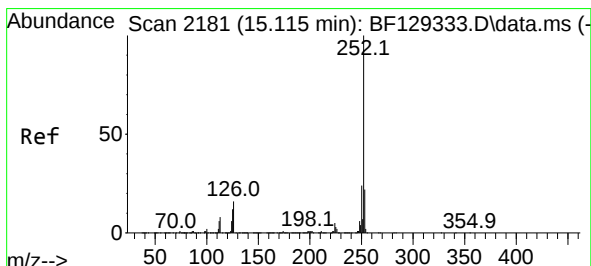
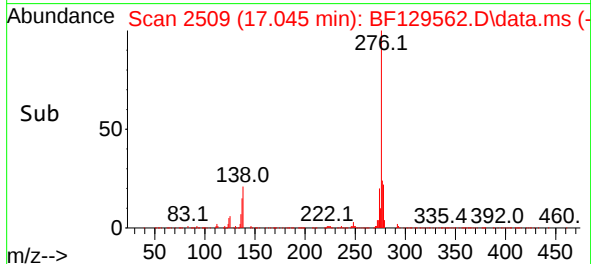
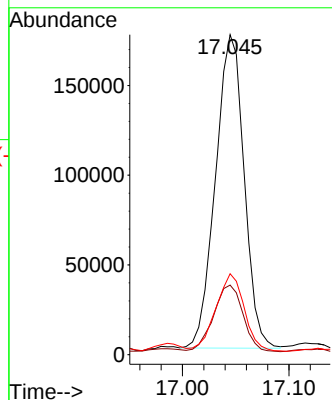
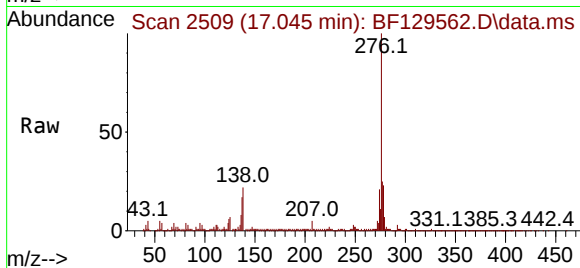




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 28.769 ng
 RT: 17.045 min Scan# 2179
 Delta R.T. 0.012 min
 Lab File: BF129562.D
 Acq: 04 Aug 2022 03:05

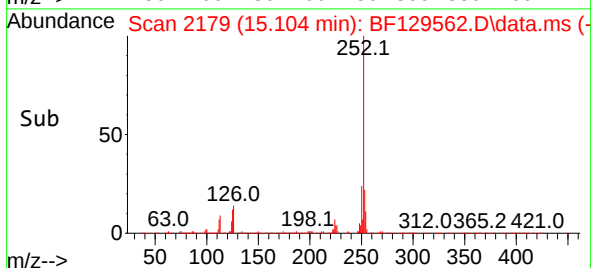
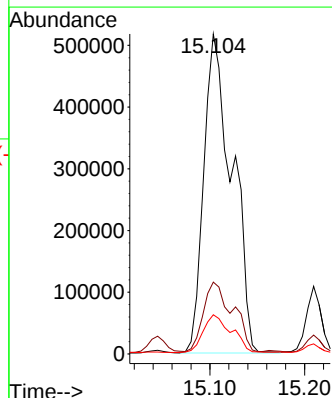
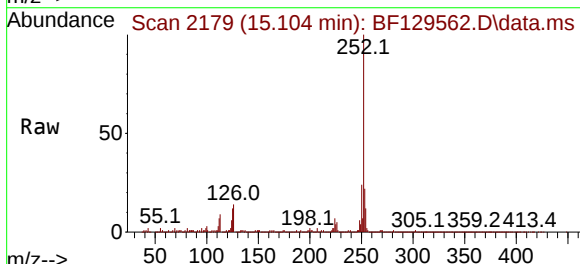
Instrument :
 BNA_F
 ClientSampleId :
 MH-ES

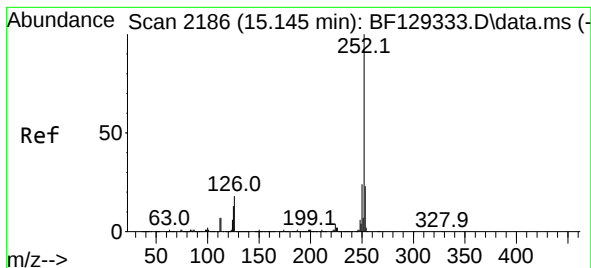
Tgt Ion:276 Resp: 325759
 Ion Ratio Lower Upper
 276 100
 138 22.2 21.1 31.7
 277 24.8 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 96.518 ng
 RT: 15.104 min Scan# 2179
 Delta R.T. 0.012 min
 Lab File: BF129562.D
 Acq: 04 Aug 2022 03:05

Tgt Ion:252 Resp: 1076541
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.7 26.5
 125 12.3 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 98.491 ng

RT: 15.104 min Scan# 2186

Delta R.T. -0.018 min

Lab File: BF129562.D

Acq: 04 Aug 2022 03:05

Instrument :

BNF

ClientSampleId :

MH-ES

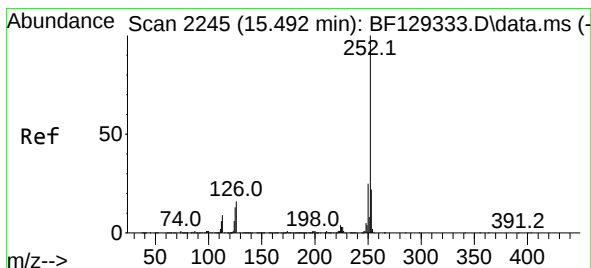
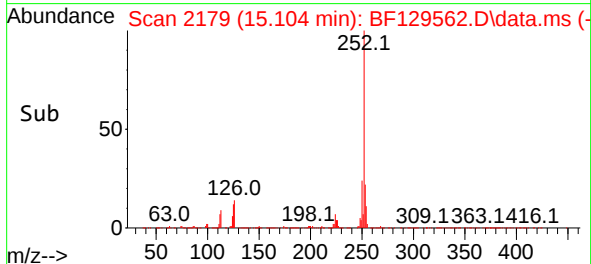
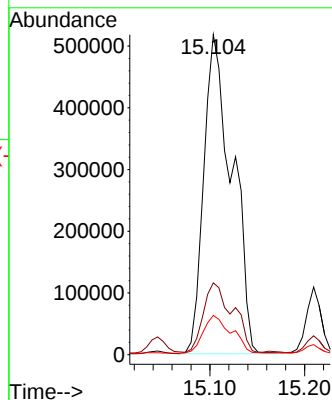
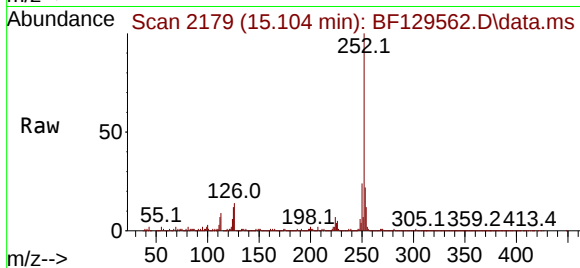
Tgt Ion:252 Resp: 1076541

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 12.3 8.3 12.5



#90

Benzo(a)pyrene

Concen: 58.054 ng

RT: 15.480 min Scan# 2243

Delta R.T. 0.012 min

Lab File: BF129562.D

Acq: 04 Aug 2022 03:05

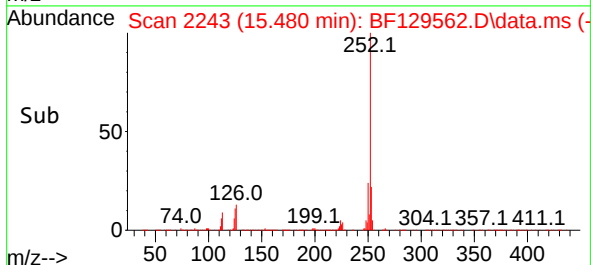
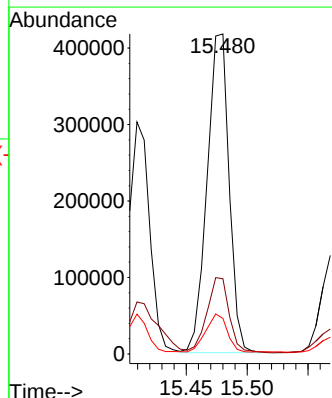
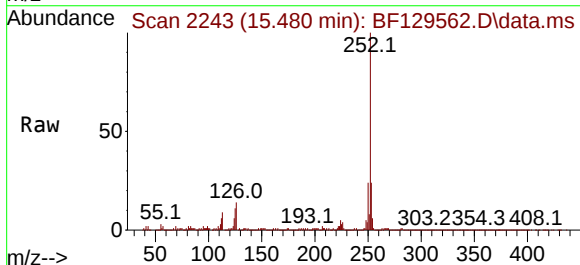
Tgt Ion:252 Resp: 525640

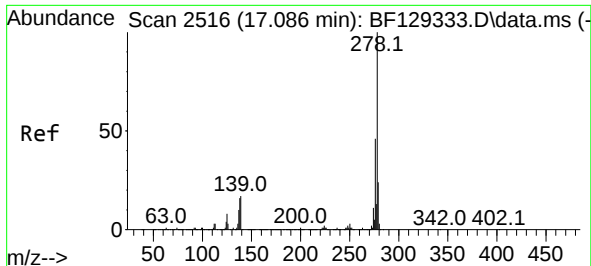
Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.6

125 11.1 8.8 13.2

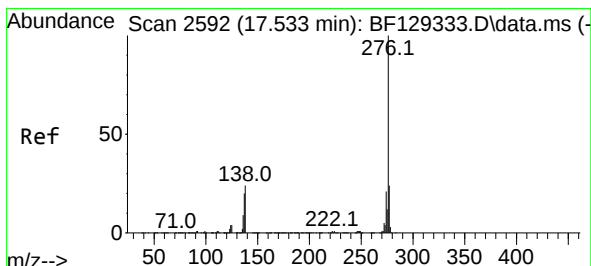
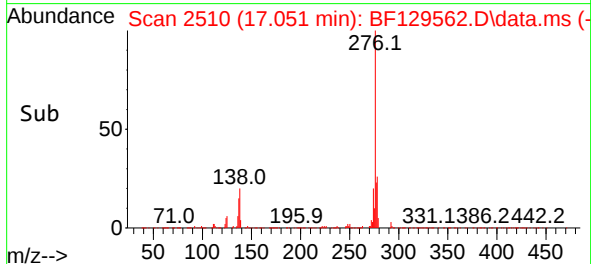
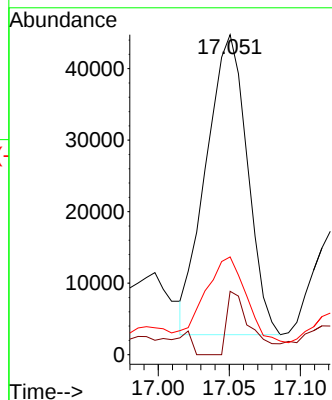
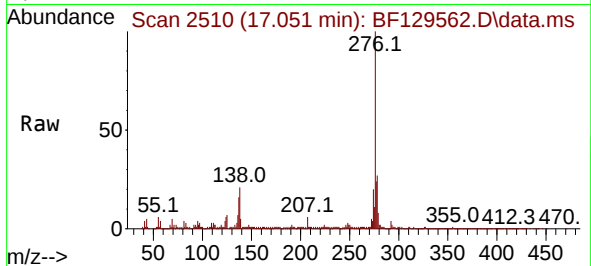




#91
Dibenzo(a,h)anthracene
Concen: 9.205 ng
RT: 17.051 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

Instrument :
BNA_F
ClientSampleId :
MH-ES

Tgt Ion:278 Resp: 84835
Ion Ratio Lower Upper
278 100
139 19.8 12.8 19.2#
279 30.5 18.6 28.0#



#92
Benzo(g,h,i)perylene
Concen: 32.578 ng
RT: 17.503 min Scan# 2587
Delta R.T. 0.012 min
Lab File: BF129562.D
Acq: 04 Aug 2022 03:05

Tgt Ion:276 Resp: 306800
Ion Ratio Lower Upper
276 100
277 23.3 19.1 28.7
138 20.8 18.0 27.0

