

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
 Data File : BF128243.D
 Acq On : 13 May 2022 17:12
 Operator : CG\JU
 Sample : N2823-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-4

Quant Time: May 14 00:56:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 14 00:51:21 2022
 Response via : Initial Calibration

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

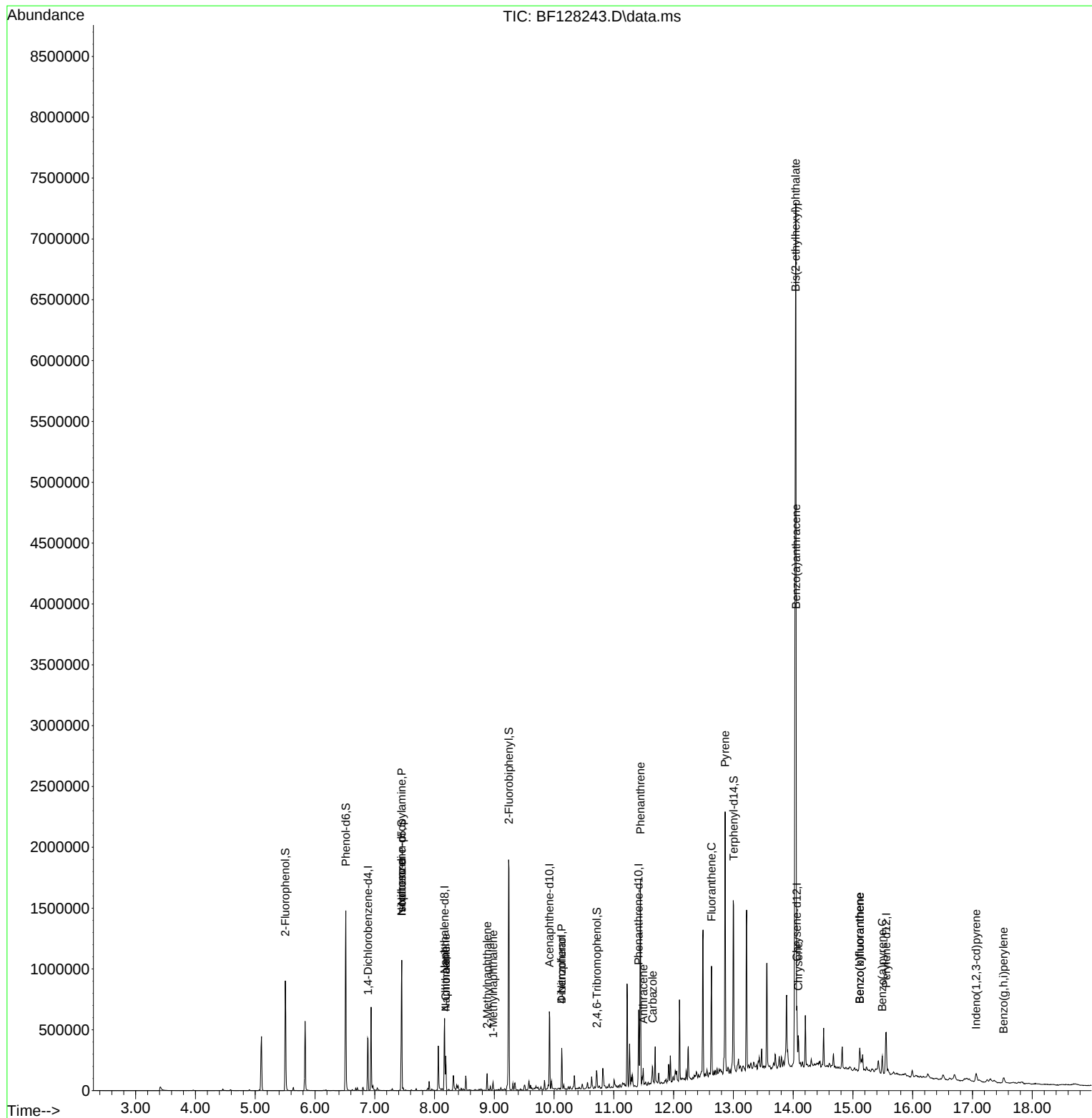
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	61028	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	233273	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	131374	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	223566	20.000	ng	0.00
76) Chrysene-d12	14.063	240	129667	20.000	ng	0.00
86) Perylene-d12	15.557	264	139730	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	217135	56.719	ng	0.00
7) Phenol-d6	6.516	99	439277	86.754	ng	-0.01
23) Nitrobenzene-d5	7.451	82	331914	64.024	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	5341	3.545	ng	-0.01
45) 2-Fluorobiphenyl	9.245	172	563862	67.157	ng	0.00
79) Terphenyl-d14	13.004	244	487424	70.535	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.445	77	318	Below Cal		95
19) n-Nitroso-di-n-propyla...	7.451	70	45765	14.677 ng	#	81
25) Isophorone	7.451	82	331906	40.837 ng	#	68
31) Naphthalene	8.186	128	83698	7.265 ng		100
33) 4-Chloroaniline	8.186	127	10912	2.386 ng	#	45
37) 2-Methylnaphthalene	8.880	142	33123	4.264 ng		95
38) 1-Methylnaphthalene	8.980	142	17259	2.314 ng		99
55) Dibenzofuran	10.127	168	112218	10.632 ng		100
56) 4-Nitrophenol	10.127	139	43222	30.681 ng	#	2
71) Phenanthrene	11.445	178	592541	53.228 ng		99
72) Anthracene	11.492	178	51598	4.642 ng		99
73) Carbazole	11.651	167	50509	4.779 ng		99
75) Fluoranthene	12.633	202	310346	25.714 ng		96
78) Pyrene	12.863	202	172826	18.382 ng		99
81) Benzo(a)anthracene	14.051	228	80180	9.681 ng		98
83) Chrysene	14.086	228	81014	10.252 ng		98
84) Bis(2-ethylhexyl)phtha...	14.045	149	2670608	505.673 ng	#	98
87) Indeno(1,2,3-cd)pyrene	17.062	276	42009	4.970 ng		93
88) Benzo(b)fluoranthene	15.115	252	137014	15.818 ng	#	95
89) Benzo(k)fluoranthene	15.115	252	137014	16.025 ng	#	93
90) Benzo(a)pyrene	15.492	252	62746	8.973 ng		97
92) Benzo(g,h,i)perylene	17.521	276	35549	5.131 ng		99

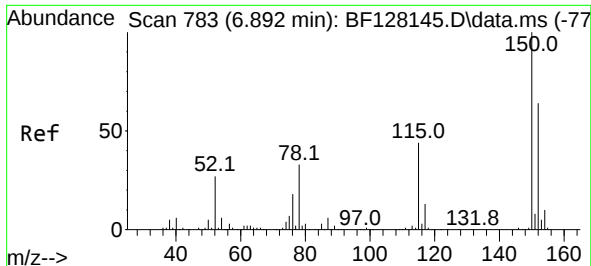
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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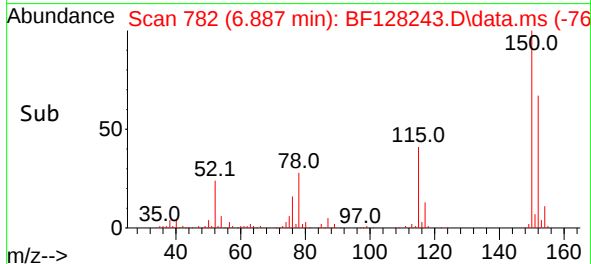
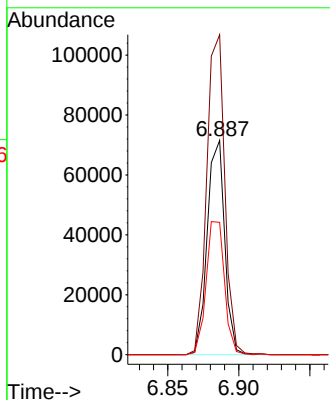
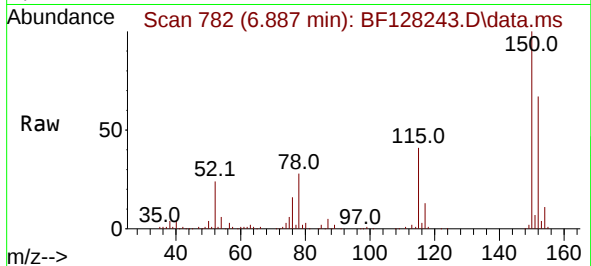




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

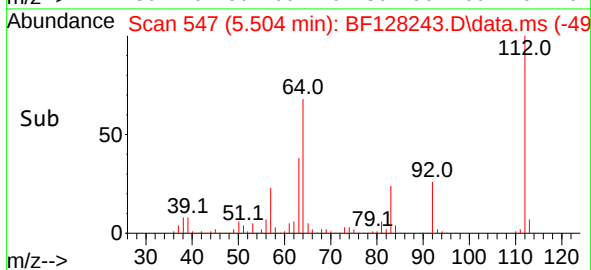
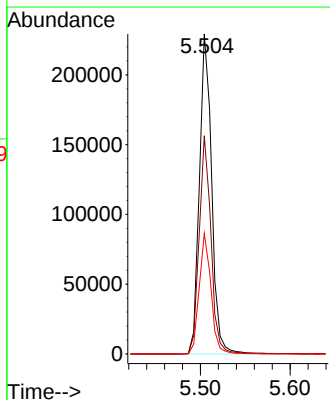
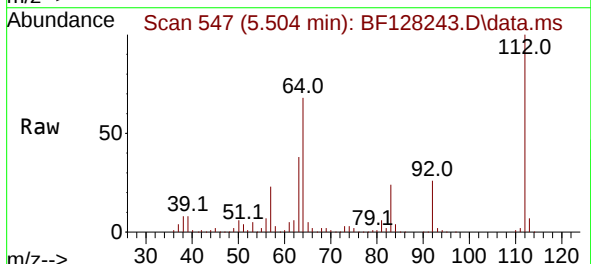
Instrument :
BNA_F
ClientSampleId :
SC-4

Tgt Ion:152 Resp: 61028
Ion Ratio Lower Upper
152 100
150 149.4 125.3 187.9
115 61.8 48.8 73.2



#5
2-Fluorophenol
Concen: 56.719 ng
RT: 5.504 min Scan# 547
Delta R.T. -0.006 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

Tgt Ion:112 Resp: 217135
Ion Ratio Lower Upper
112 100
64 68.2 49.5 74.3
63 37.7 26.3 39.5

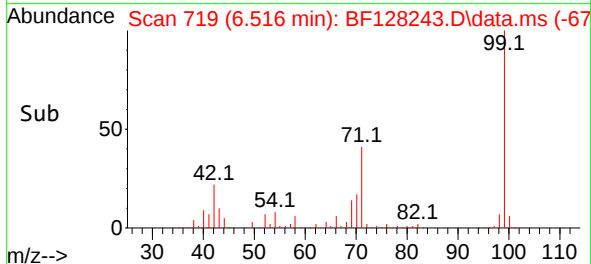
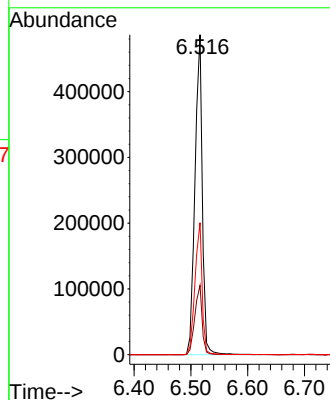
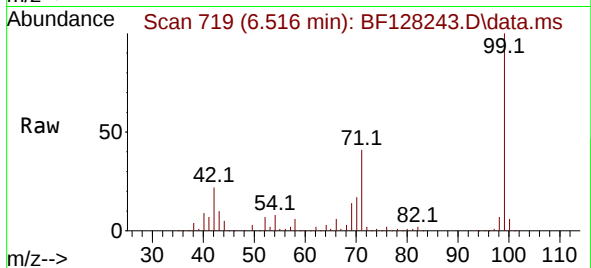




#7
Phenol-d6
Concen: 86.754 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

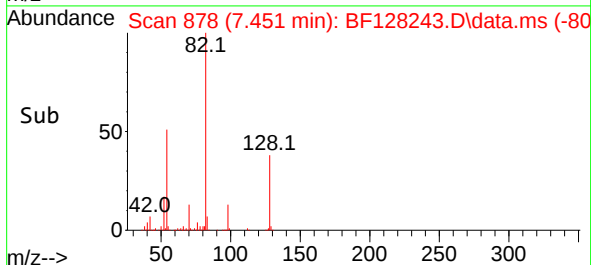
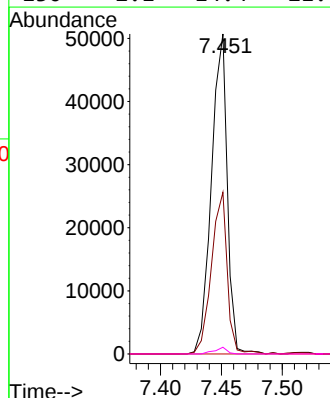
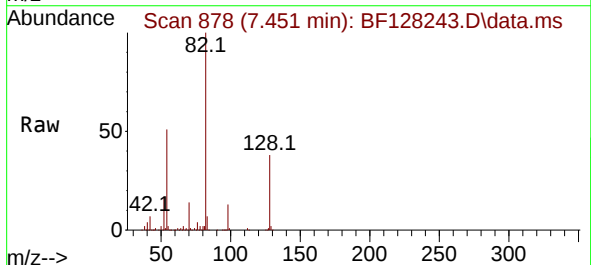
Instrument :
BNA_F
ClientSampleId :
SC-4

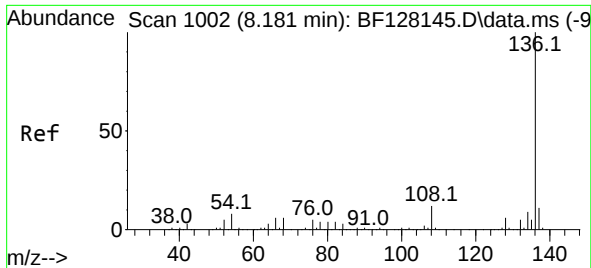
Tgt Ion: 99 Resp: 439277
Ion Ratio Lower Upper
99 100
42 21.6 16.6 24.8
71 41.3 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 14.677 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.147 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

Tgt Ion: 70 Resp: 45765
Ion Ratio Lower Upper
70 100
42 50.5 48.7 73.1
101 0.0 7.2 10.8#
130 2.1 14.4 21.6#

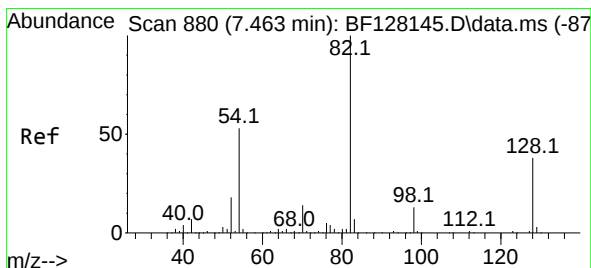
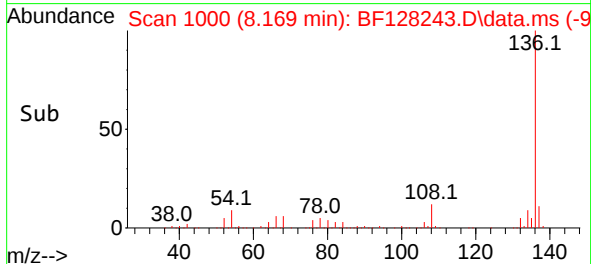
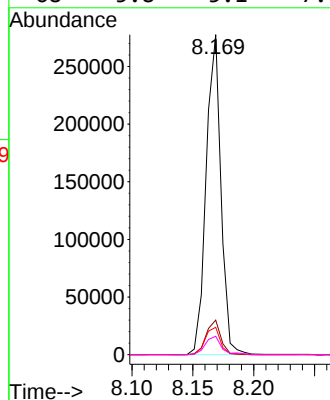
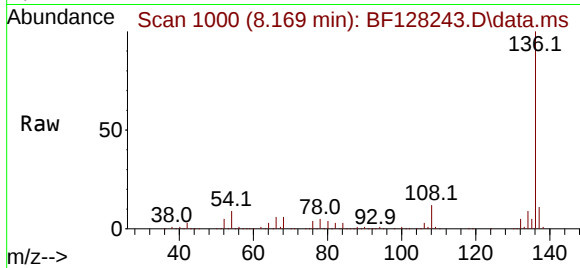




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

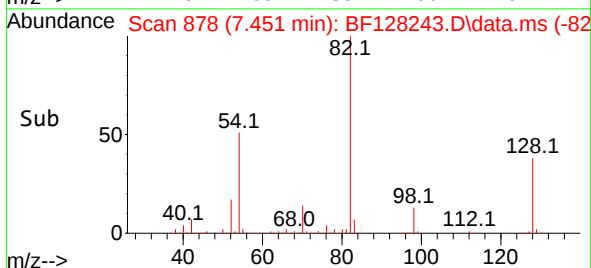
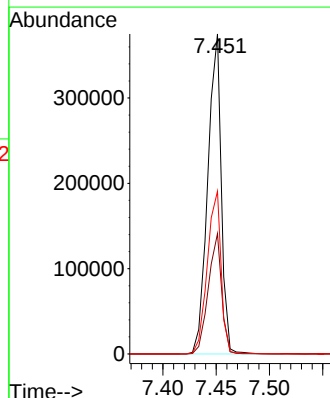
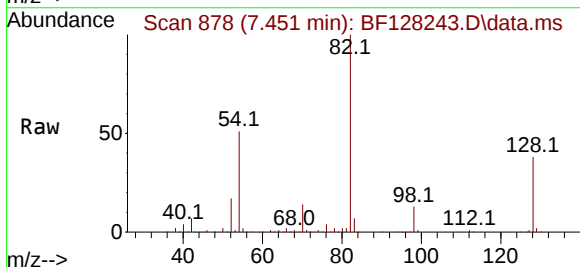
Instrument :
BNA_F
ClientSampleId :
SC-4

Tgt	Ion:136	Resp:	233273
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.5	6.8	10.2
68	5.8	5.1	7.7



#23
Nitrobenzene-d5
Concen: 64.024 ng
RT: 7.451 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

Tgt Ion: 82	Resp: 331914
Ion Ratio	Lower Upper
82 100	
128 37.6	30.0 45.0
54 50.8	41.3 61.9

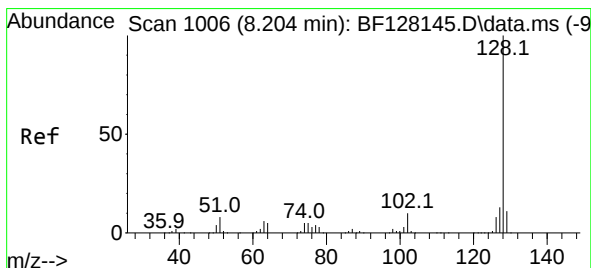
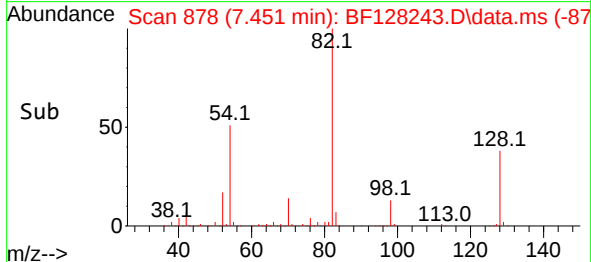
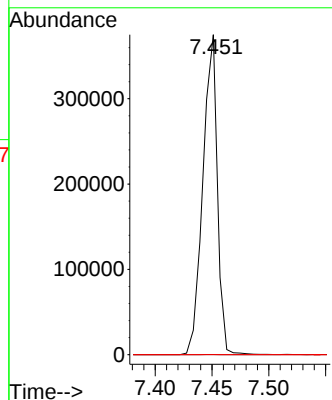
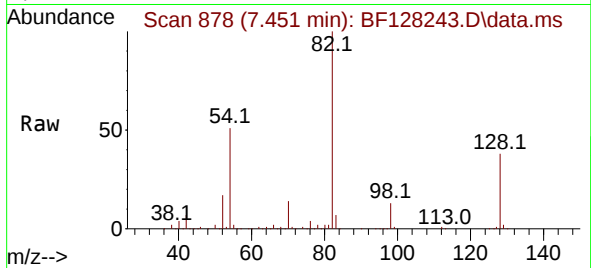




#25
Isophorone
Concen: 40.837 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

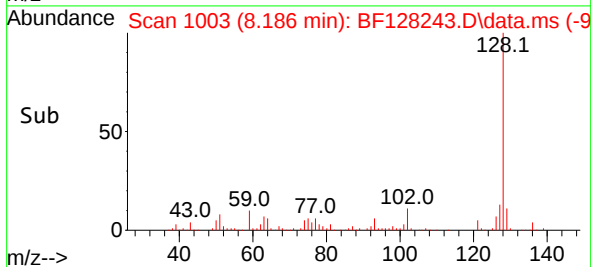
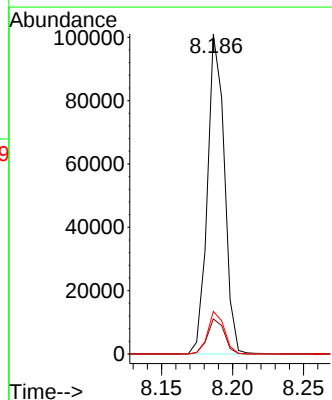
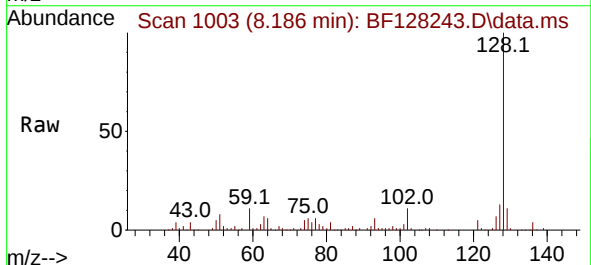
Instrument :
BNA_F
ClientSampleId :
SC-4

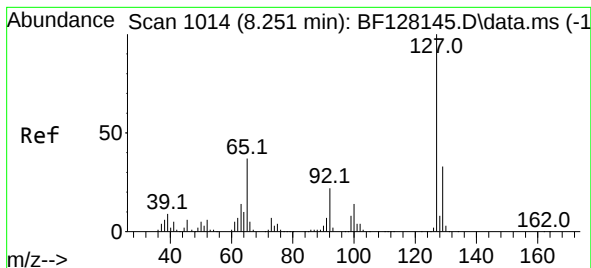
Tgt Ion: 82 Resp: 331906
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 12.5 18.7#



#31
Naphthalene
Concen: 7.265 ng
RT: 8.186 min Scan# 1003
Delta R.T. -0.012 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

Tgt Ion: 128 Resp: 83698
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 13.3 10.6 16.0





#33

4-Chloroaniline

Concen: 2.386 ng

RT: 8.186 min Scan# 10912

Delta R.T. -0.059 min

Lab File: BF128243.D

Acq: 13 May 2022 17:12

Instrument :

BNA_F

ClientSampleId :

SC-4

Tgt Ion:127 Resp: 10912

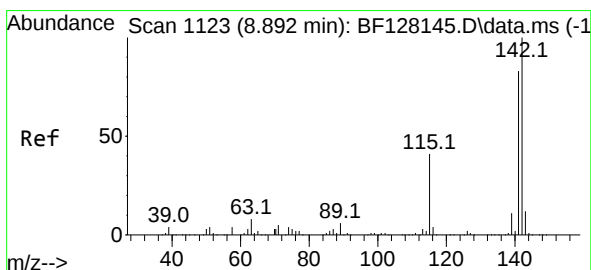
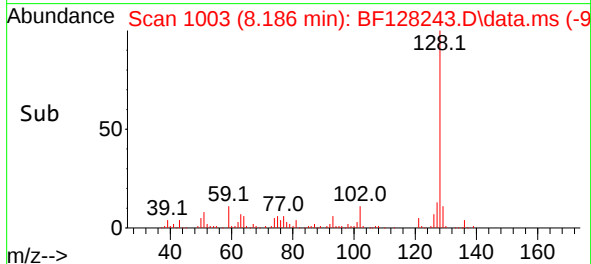
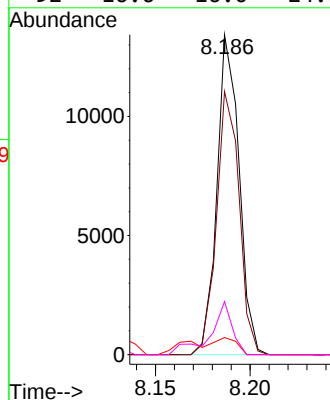
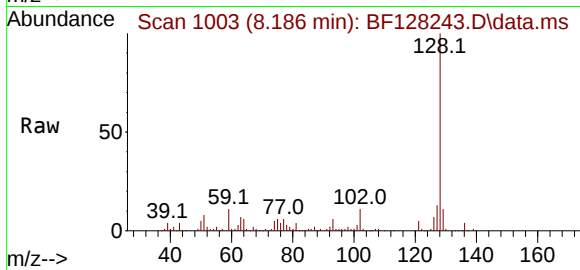
Ion Ratio Lower Upper

127 100

129 82.2 25.8 38.8#

65 5.4 26.7 40.1#

92 16.6 16.0 24.0



#37

2-Methylnaphthalene

Concen: 4.264 ng

RT: 8.880 min Scan# 1121

Delta R.T. -0.006 min

Lab File: BF128243.D

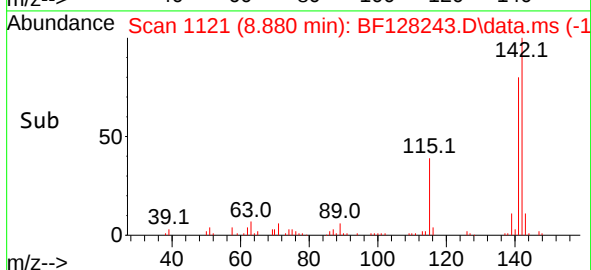
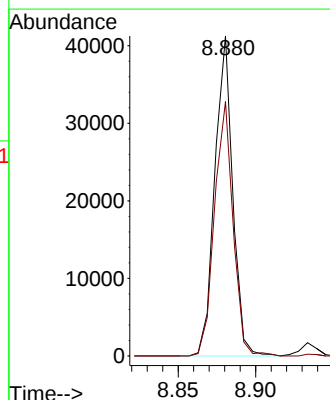
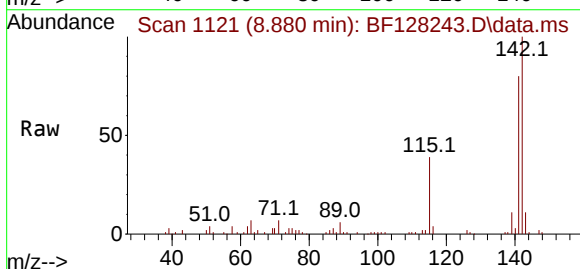
Acq: 13 May 2022 17:12

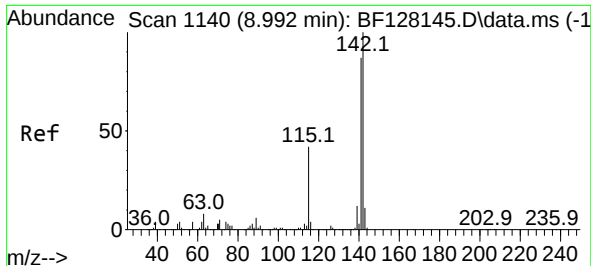
Tgt Ion:142 Resp: 33123

Ion Ratio Lower Upper

142 100

141 79.5 67.4 101.2





#38

1-Methylnaphthalene

Concen: 2.314 ng

RT: 8.980 min Scan# 1140

Delta R.T. -0.006 min

Lab File: BF128243.D

Acq: 13 May 2022 17:12

Instrument :

BNA_F

ClientSampleId :

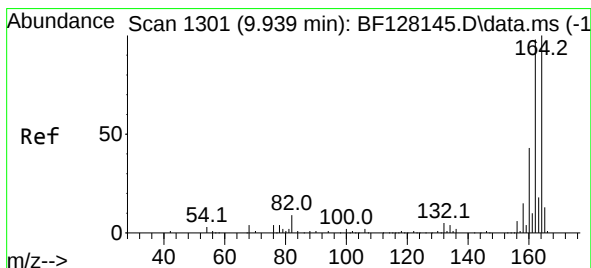
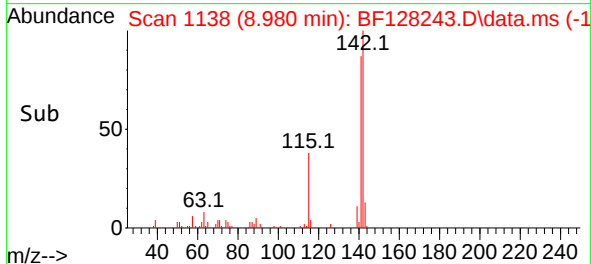
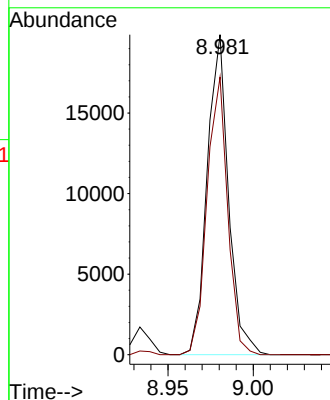
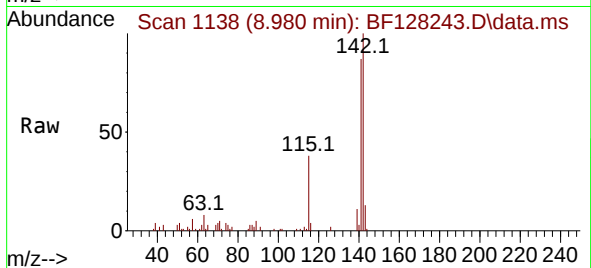
SC-4

Tgt Ion:142 Resp: 17259

Ion Ratio Lower Upper

142 100

141 86.7 70.1 105.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1298

Delta R.T. -0.012 min

Lab File: BF128243.D

Acq: 13 May 2022 17:12

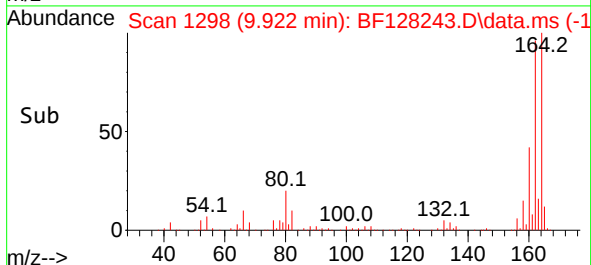
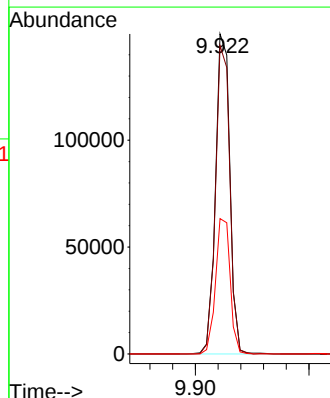
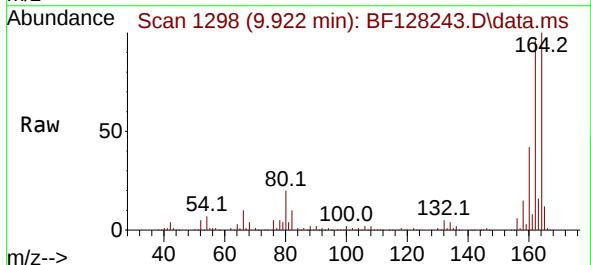
Tgt Ion:164 Resp: 131374

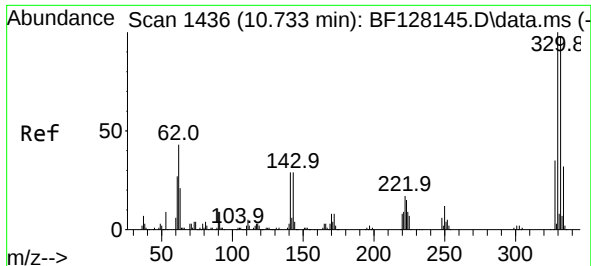
Ion Ratio Lower Upper

164 100

162 96.4 76.0 114.0

160 42.3 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 3.545 ng

RT: 10.716 min Scan# 1433

Delta R.T. -0.012 min

Lab File: BF128243.D

Acq: 13 May 2022 17:12

Instrument :

BNA_F

ClientSampleId :

SC-4

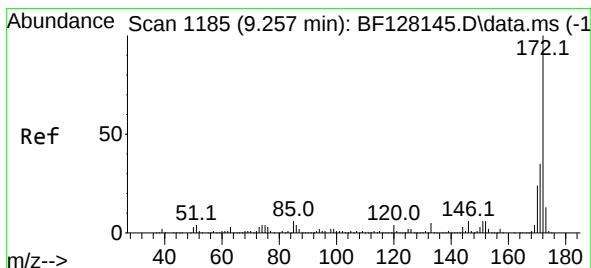
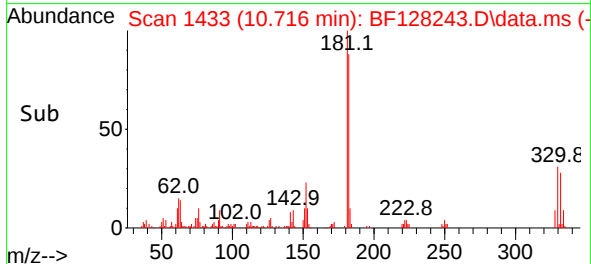
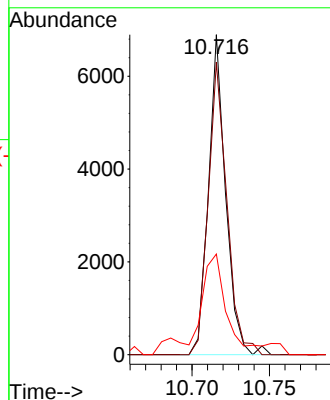
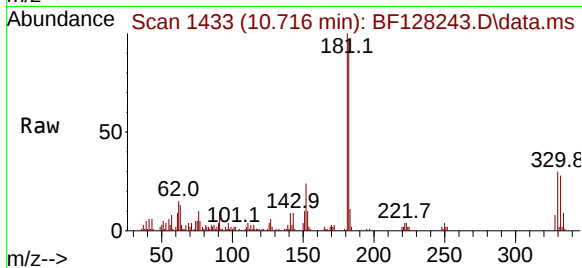
Tgt Ion:330 Resp: 5341

Ion Ratio Lower Upper

330 100

332 98.9 79.0 118.4

141 51.3 28.9 43.3#



#45

2-Fluorobiphenyl

Concen: 67.157 ng

RT: 9.245 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF128243.D

Acq: 13 May 2022 17:12

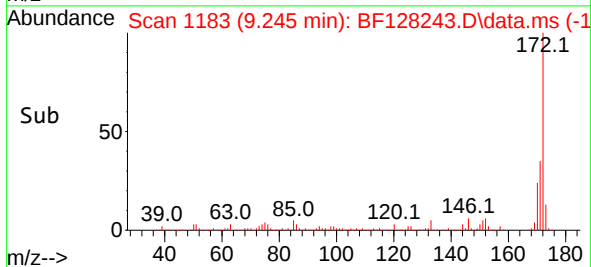
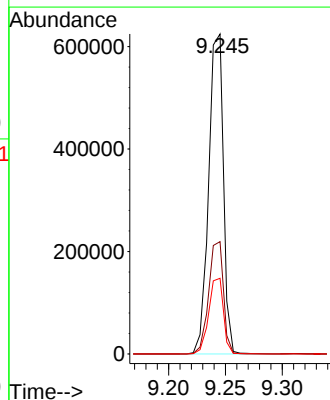
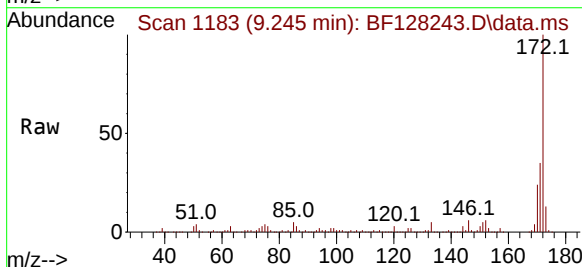
Tgt Ion:172 Resp: 563862

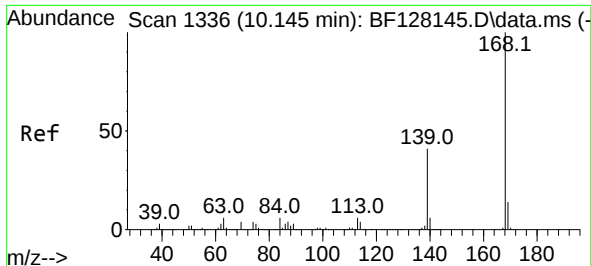
Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 23.7 19.1 28.7

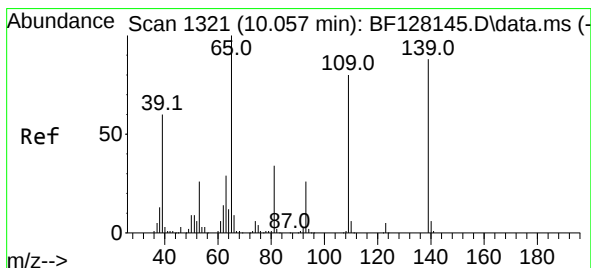
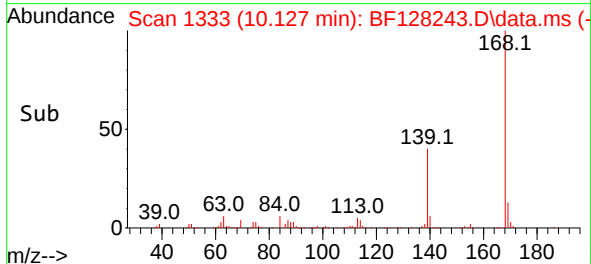
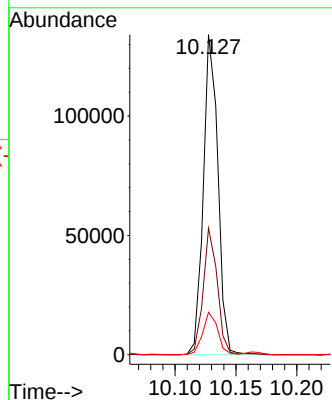
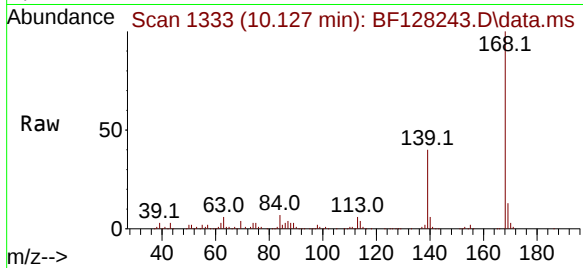




#55
Dibenzenofuran
Concen: 10.632 ng
RT: 10.127 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

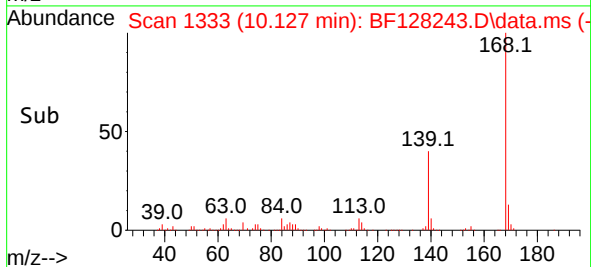
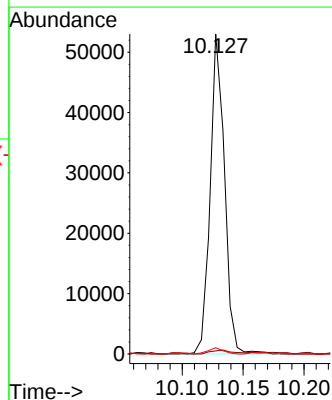
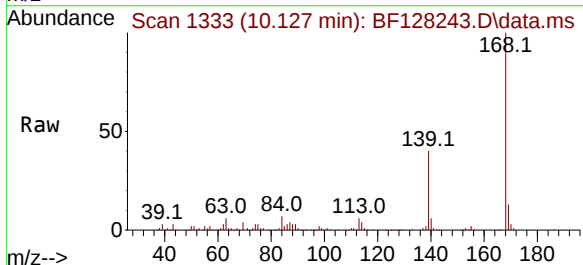
Instrument :
BNA_F
ClientSampleId :
SC-4

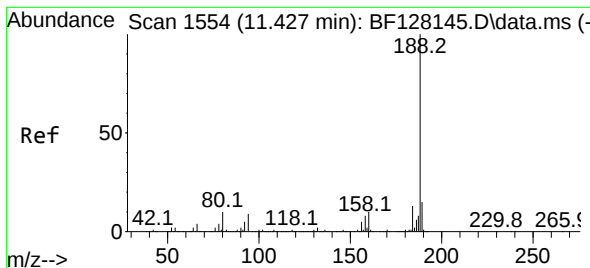
Tgt Ion:168 Resp: 112218
Ion Ratio Lower Upper
168 100
139 39.5 31.7 47.5
169 13.3 10.9 16.3



#56
4-Nitrophenol
Concen: 30.681 ng
RT: 10.127 min Scan# 1333
Delta R.T. 0.071 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

Tgt Ion:139 Resp: 43222
Ion Ratio Lower Upper
139 100
109 0.9 61.9 101.9#
65 1.9 93.5 133.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128243.D

Acq: 13 May 2022 17:12

Instrument :

BNA_F

ClientSampleId :

SC-4

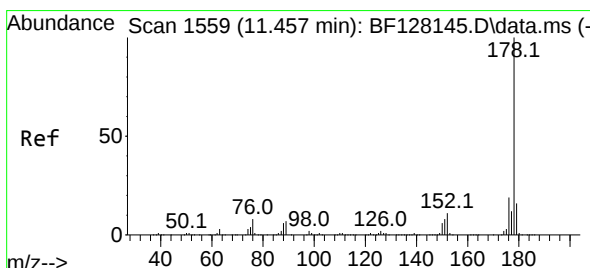
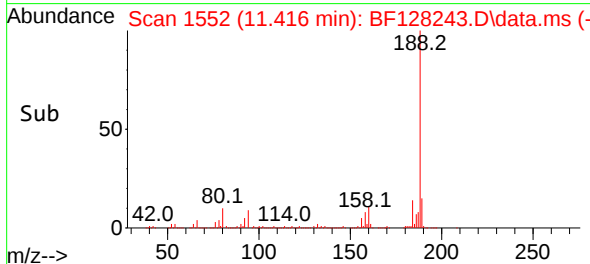
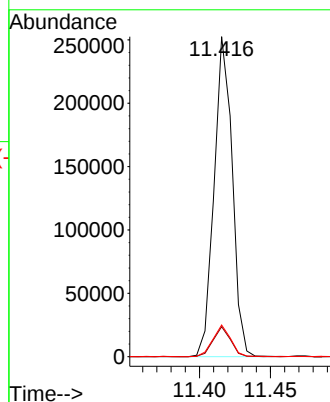
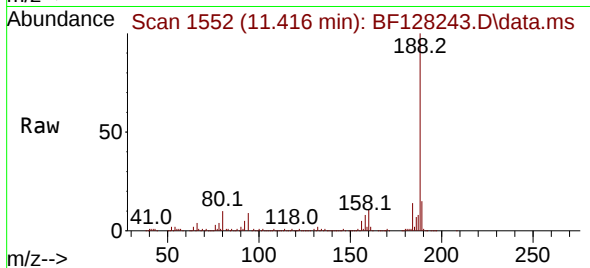
Tgt Ion:188 Resp: 223566

Ion Ratio Lower Upper

188 100

94 9.4 8.0 12.0

80 9.9 8.9 13.3



#71

Phenanthrene

Concen: 53.228 ng

RT: 11.445 min Scan# 1557

Delta R.T. -0.006 min

Lab File: BF128243.D

Acq: 13 May 2022 17:12

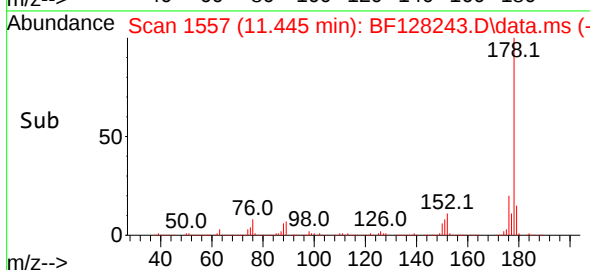
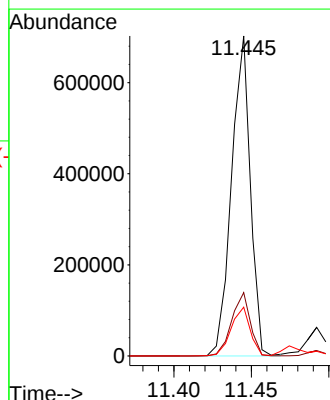
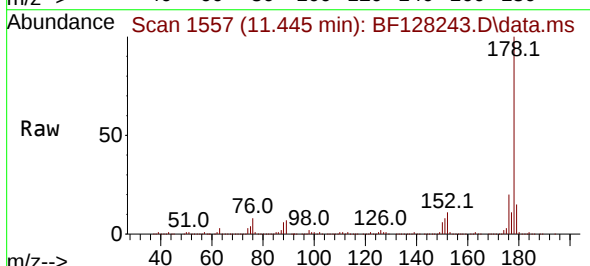
Tgt Ion:178 Resp: 592541

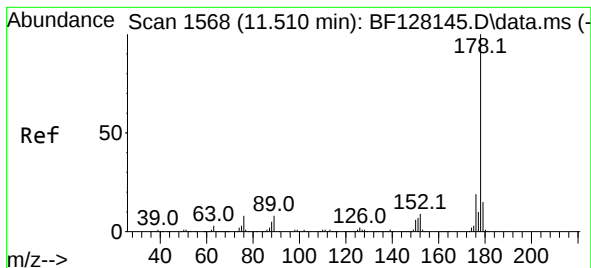
Ion Ratio Lower Upper

178 100

176 19.8 15.7 23.5

179 15.3 12.6 19.0





#72

Anthracene

Concen: 4.642 ng

RT: 11.492 min Scan# 1565

Delta R.T. -0.012 min

Lab File: BF128243.D

Acq: 13 May 2022 17:12

Instrument :

BNA_F

ClientSampleId :

SC-4

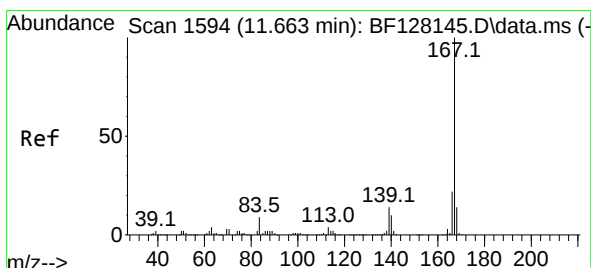
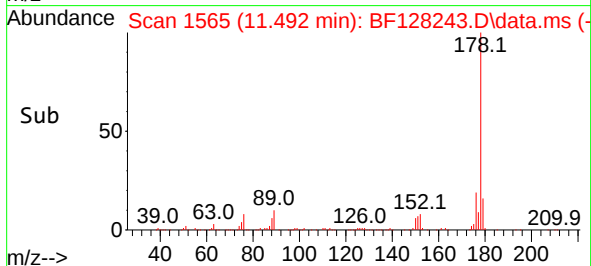
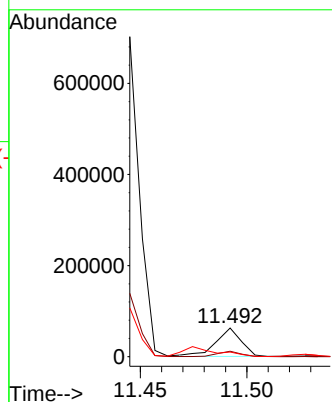
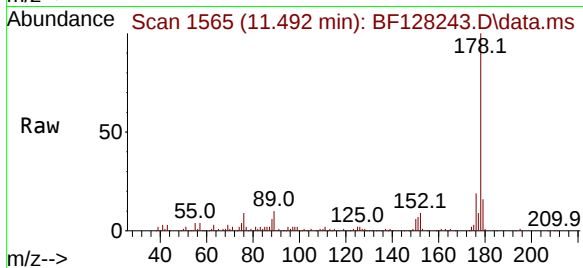
Tgt Ion:178 Resp: 51598

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.6

179 16.4 12.4 18.6



#73

Carbazole

Concen: 4.779 ng

RT: 11.651 min Scan# 1592

Delta R.T. -0.006 min

Lab File: BF128243.D

Acq: 13 May 2022 17:12

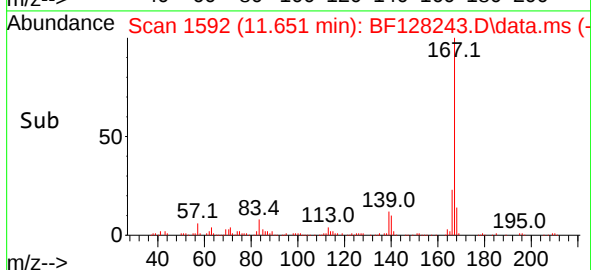
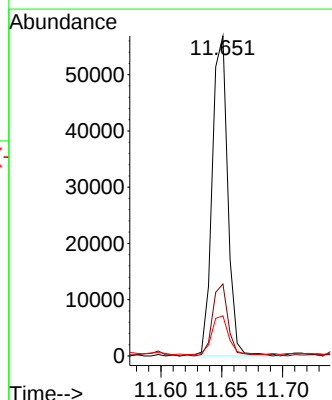
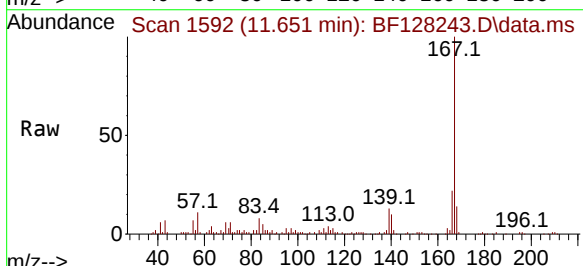
Tgt Ion:167 Resp: 50509

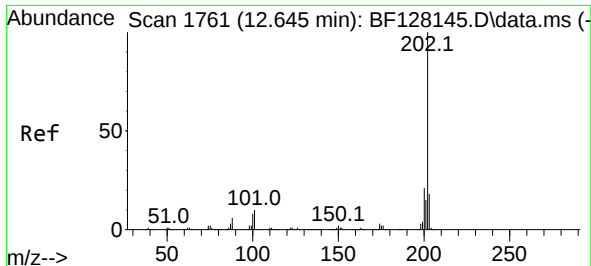
Ion Ratio Lower Upper

167 100

166 22.5 17.6 26.4

139 12.6 10.7 16.1

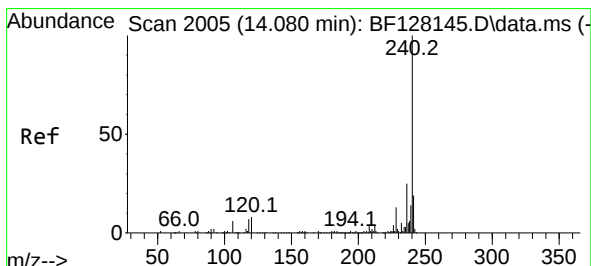
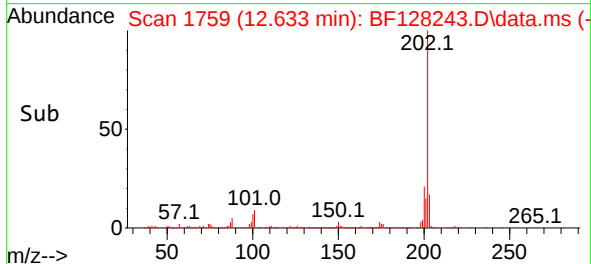
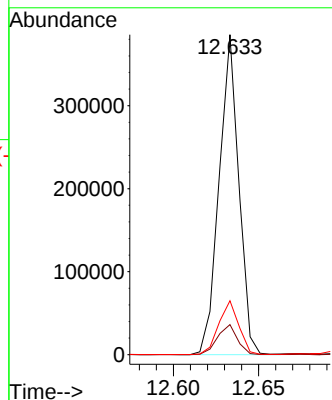
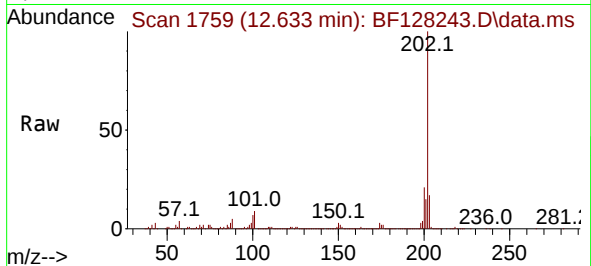




#75
Fluoranthene
Concen: 25.714 ng
RT: 12.633 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

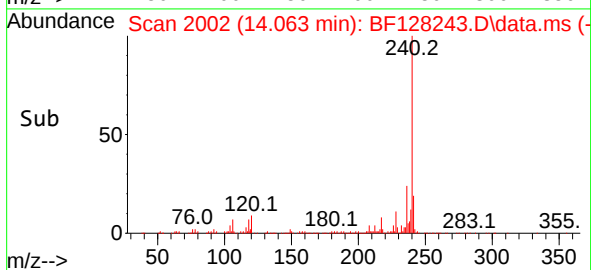
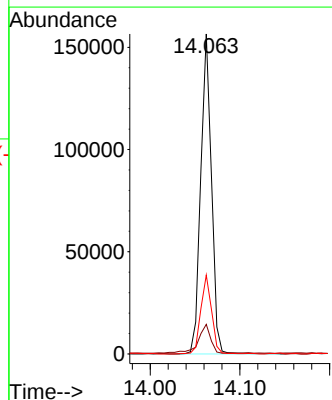
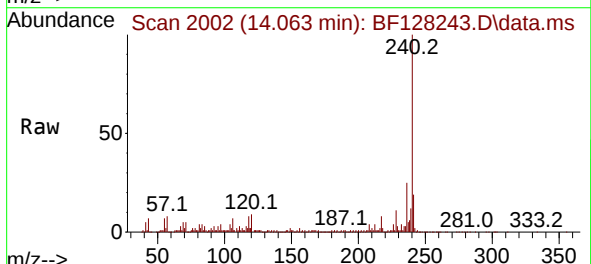
Instrument :
BNA_F
ClientSampleId :
SC-4

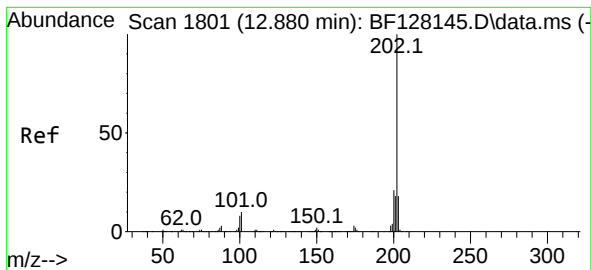
Tgt Ion:202 Resp: 310346
Ion Ratio Lower Upper
202 100
101 9.4 0.0 31.6
203 16.9 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

Tgt Ion:240 Resp: 129667
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.6
236 24.7 20.3 30.5





#78

Pyrene

Concen: 18.382 ng

RT: 12.863 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128243.D

Acq: 13 May 2022 17:12

Instrument :

BNA_F

ClientSampleId :

SC-4

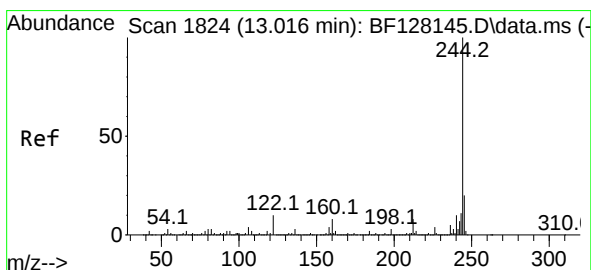
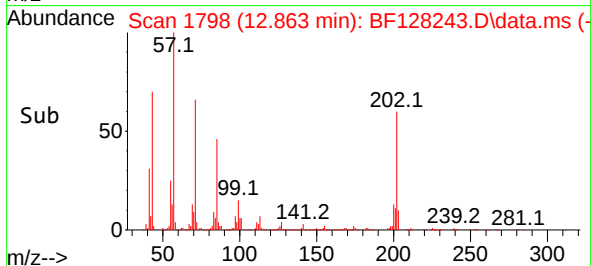
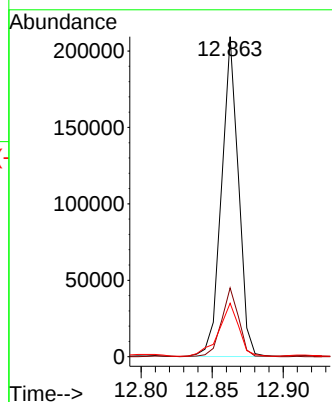
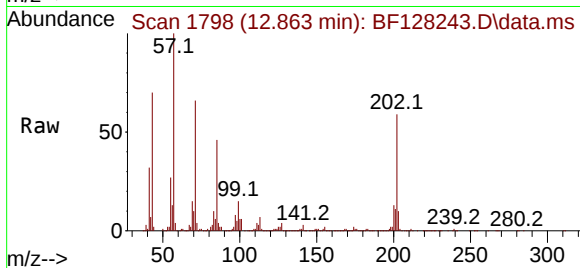
Tgt Ion:202 Resp: 172826

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

203 16.7 14.0 21.0



#79

Terphenyl-d14

Concen: 70.535 ng

RT: 13.004 min Scan# 1822

Delta R.T. -0.006 min

Lab File: BF128243.D

Acq: 13 May 2022 17:12

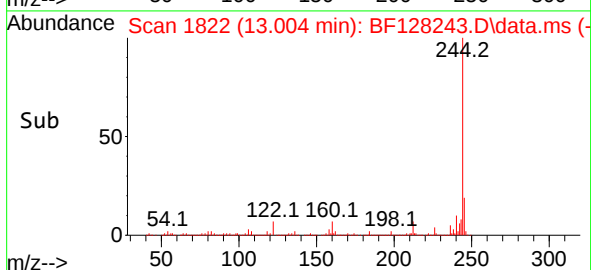
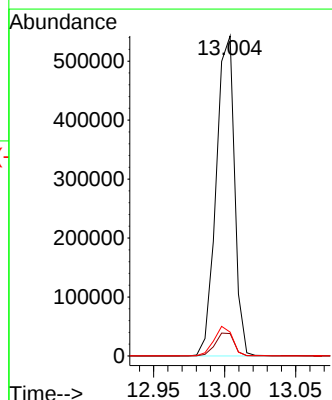
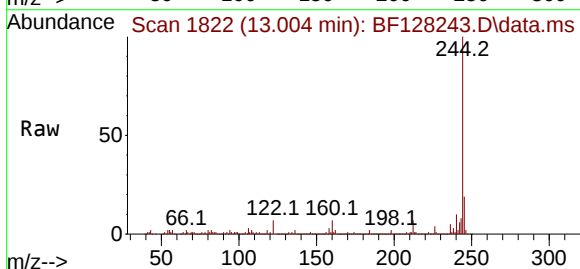
Tgt Ion:244 Resp: 487424

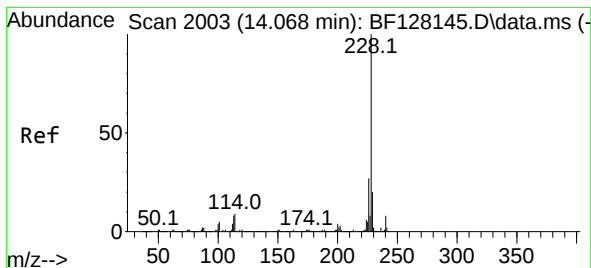
Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.4

122 7.4 8.6 12.8#





#81

Benzo(a)anthracene

Concen: 9.681 ng

RT: 14.051 min Scan# 2000

Delta R.T. -0.006 min

Lab File: BF128243.D

Acq: 13 May 2022 17:12

Instrument :

BNA_F

ClientSampleId :

SC-4

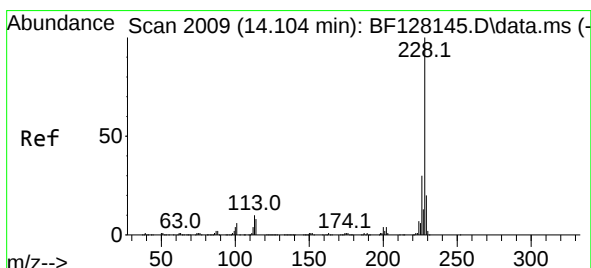
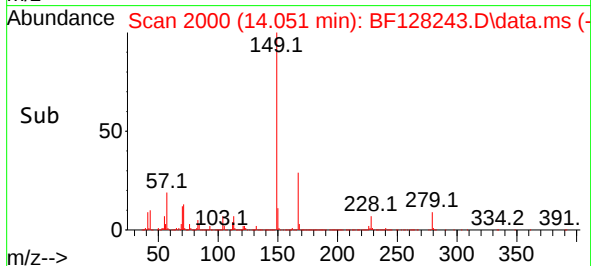
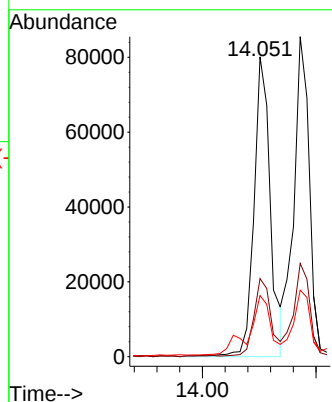
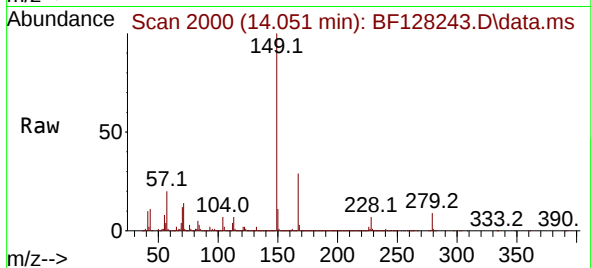
Tgt Ion:228 Resp: 80180

Ion Ratio Lower Upper

228 100

226 26.1 21.7 32.5

229 20.4 15.4 23.2



#83

Chrysene

Concen: 10.252 ng

RT: 14.086 min Scan# 2006

Delta R.T. -0.012 min

Lab File: BF128243.D

Acq: 13 May 2022 17:12

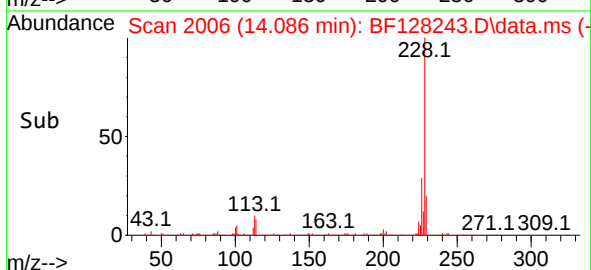
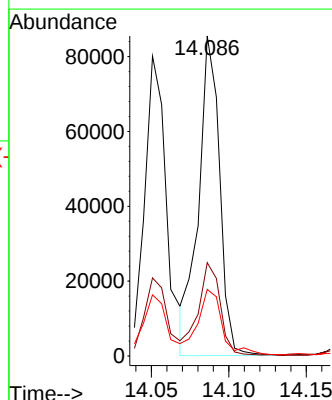
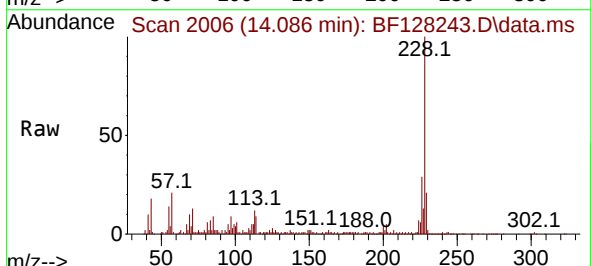
Tgt Ion:228 Resp: 81014

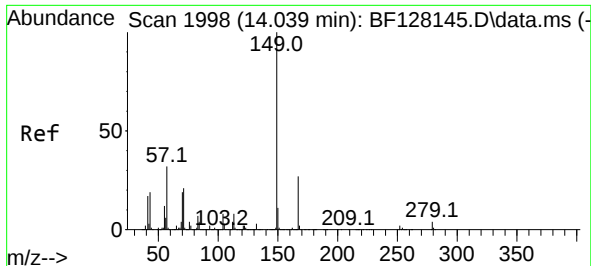
Ion Ratio Lower Upper

228 100

226 29.1 24.4 36.6

229 20.8 15.8 23.8

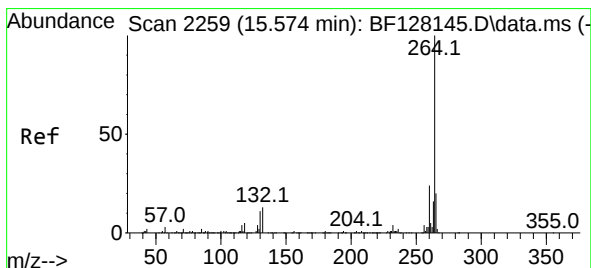
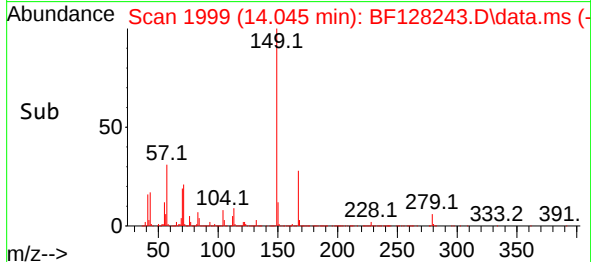
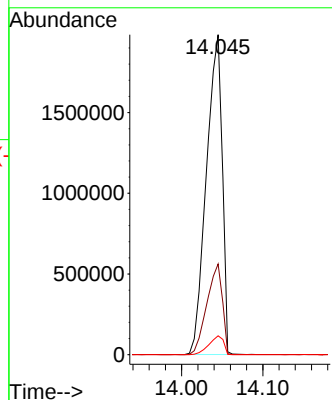
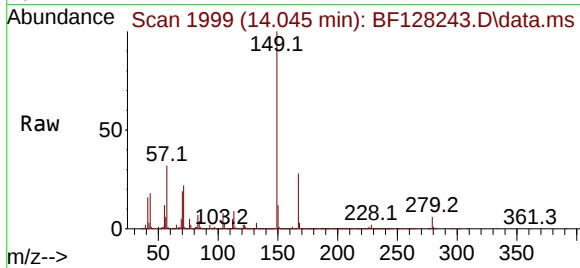




#84
Bis(2-ethylhexyl)phthalate
Concen: 505.673 ng
RT: 14.045 min Scan# 1999
Delta R.T. 0.018 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

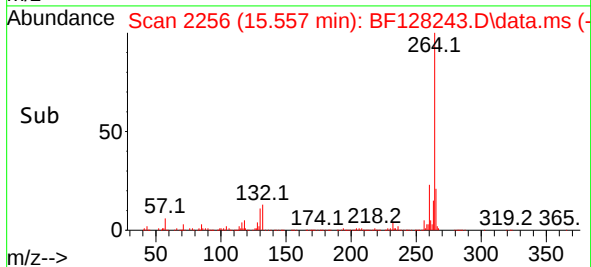
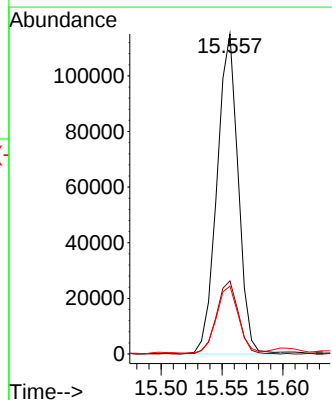
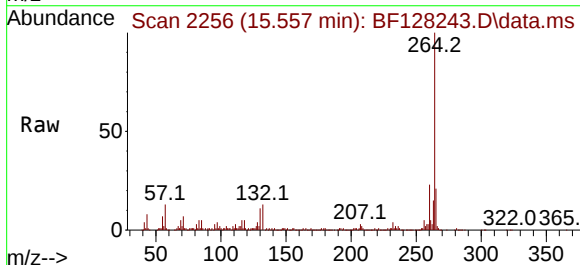
Instrument :
BNA_F
ClientSampleId :
SC-4

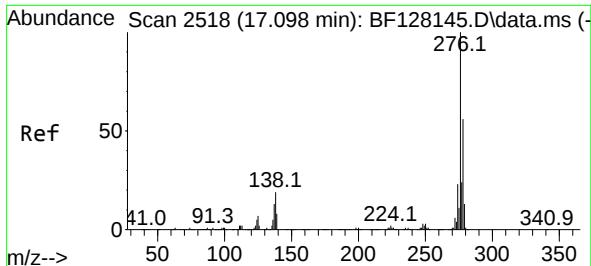
Tgt Ion:149 Resp: 2670608
Ion Ratio Lower Upper
149 100
167 28.3 22.0 33.0
279 5.9 3.4 5.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

Tgt Ion:264 Resp: 139730
Ion Ratio Lower Upper
264 100
260 22.9 20.1 30.1
265 21.2 17.5 26.3

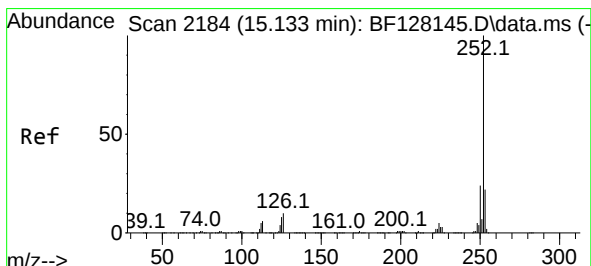
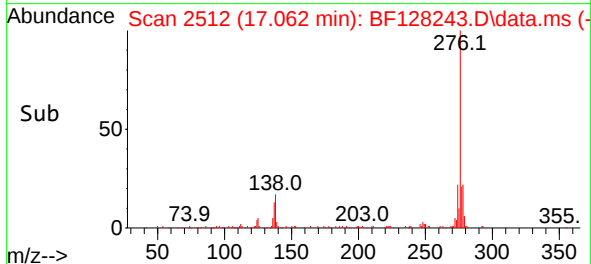
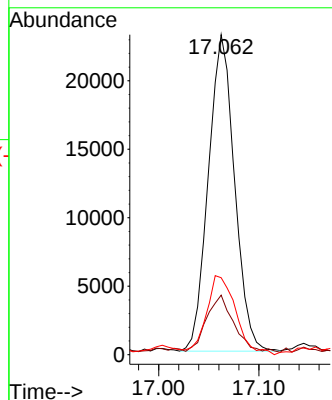
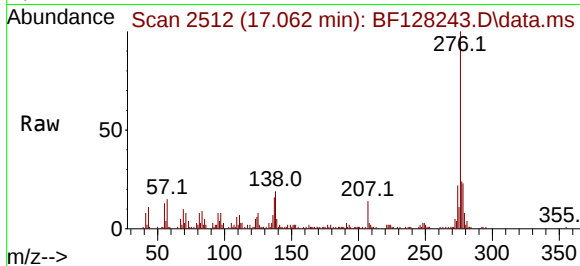




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.970 ng
RT: 17.062 min Scan# 2181
Delta R.T. -0.024 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

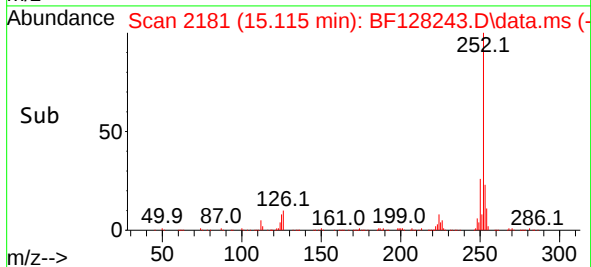
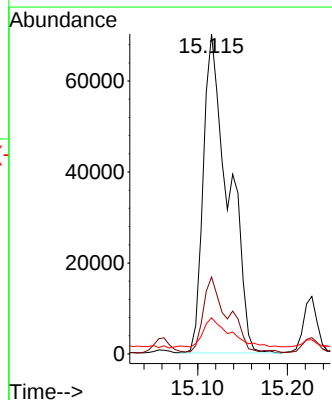
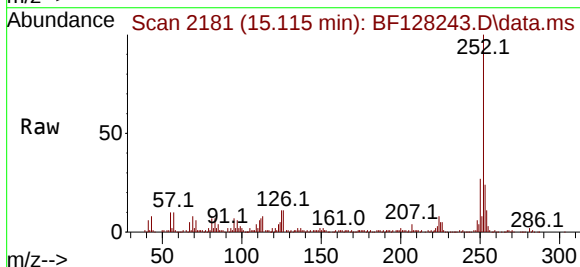
Instrument :
BNA_F
ClientSampleId :
SC-4

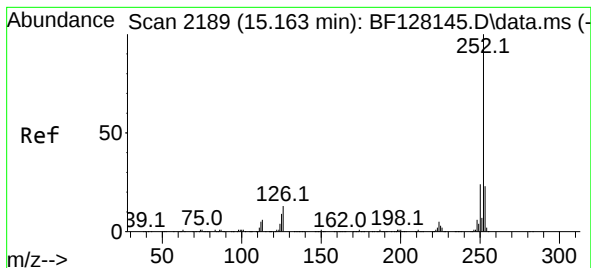
Tgt Ion:276 Resp: 42009
Ion Ratio Lower Upper
276 100
138 19.6 19.0 28.4
277 28.1 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 15.818 ng
RT: 15.115 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BF128243.D
Acq: 13 May 2022 17:12

Tgt Ion:252 Resp: 137014
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 11.3 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 16.025 ng

RT: 15.115 min Scan# 2189

Delta R.T. -0.035 min

Lab File: BF128243.D

Acq: 13 May 2022 17:12

Instrument :

BNA_F

ClientSampleId :

SC-4

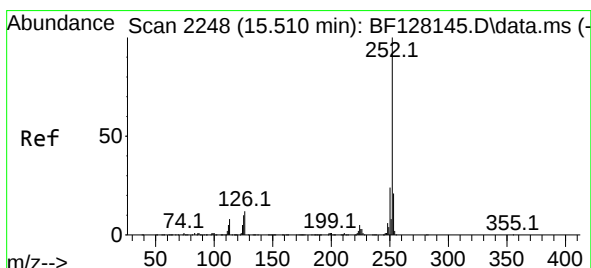
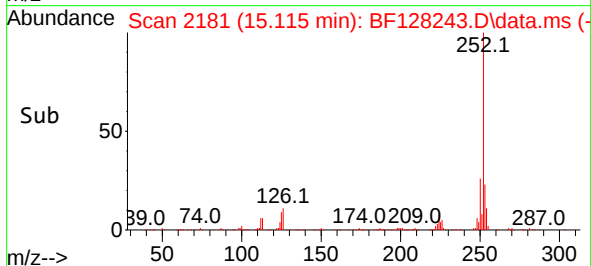
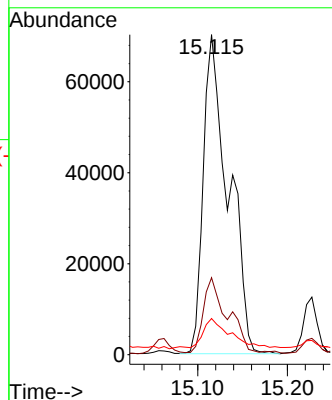
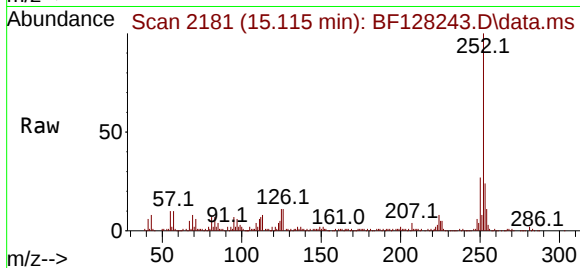
Tgt Ion:252 Resp: 137014

Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.4

125 11.3 6.8 10.2#



#90

Benzo(a)pyrene

Concen: 8.973 ng

RT: 15.492 min Scan# 2245

Delta R.T. -0.006 min

Lab File: BF128243.D

Acq: 13 May 2022 17:12

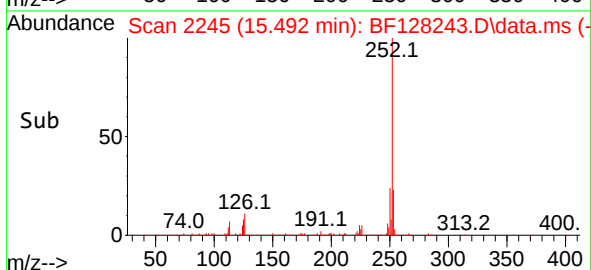
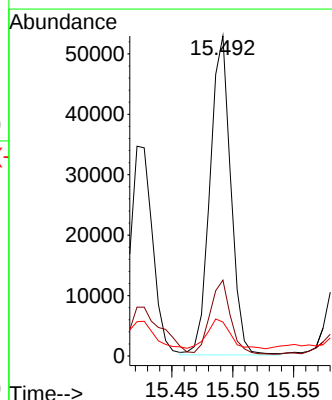
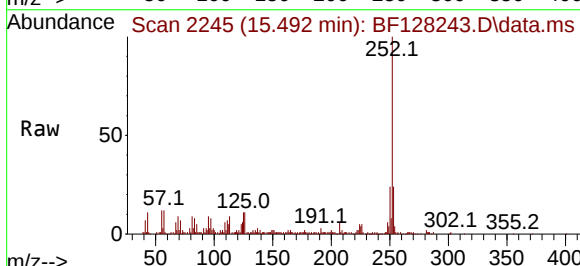
Tgt Ion:252 Resp: 62746

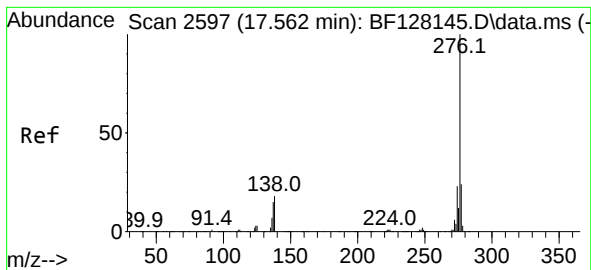
Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

125 10.6 9.2 13.8





#92

Benzo(g,h,i)perylene

Concen: 5.131 ng

RT: 17.521 min Scan# 2

Delta R.T. -0.029 min

Lab File: BF128243.D

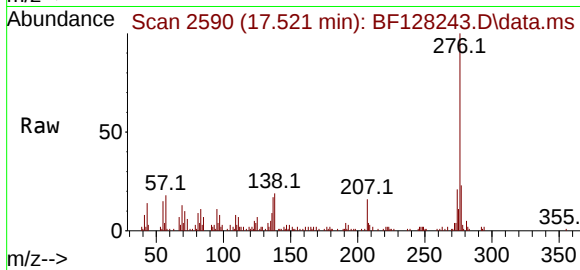
Acq: 13 May 2022 17:12

Instrument :

BNA_F

ClientSampleId :

SC-4



Tgt Ion:276 Resp: 35549

Ion Ratio Lower Upper

276 100

277 23.1 18.8 28.2

138 19.5 16.2 24.2

