

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
 Data File : BF128245.D
 Acq On : 13 May 2022 18:11
 Operator : CG\JU
 Sample : N2823-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-13

Quant Time: May 14 00:56:38 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)

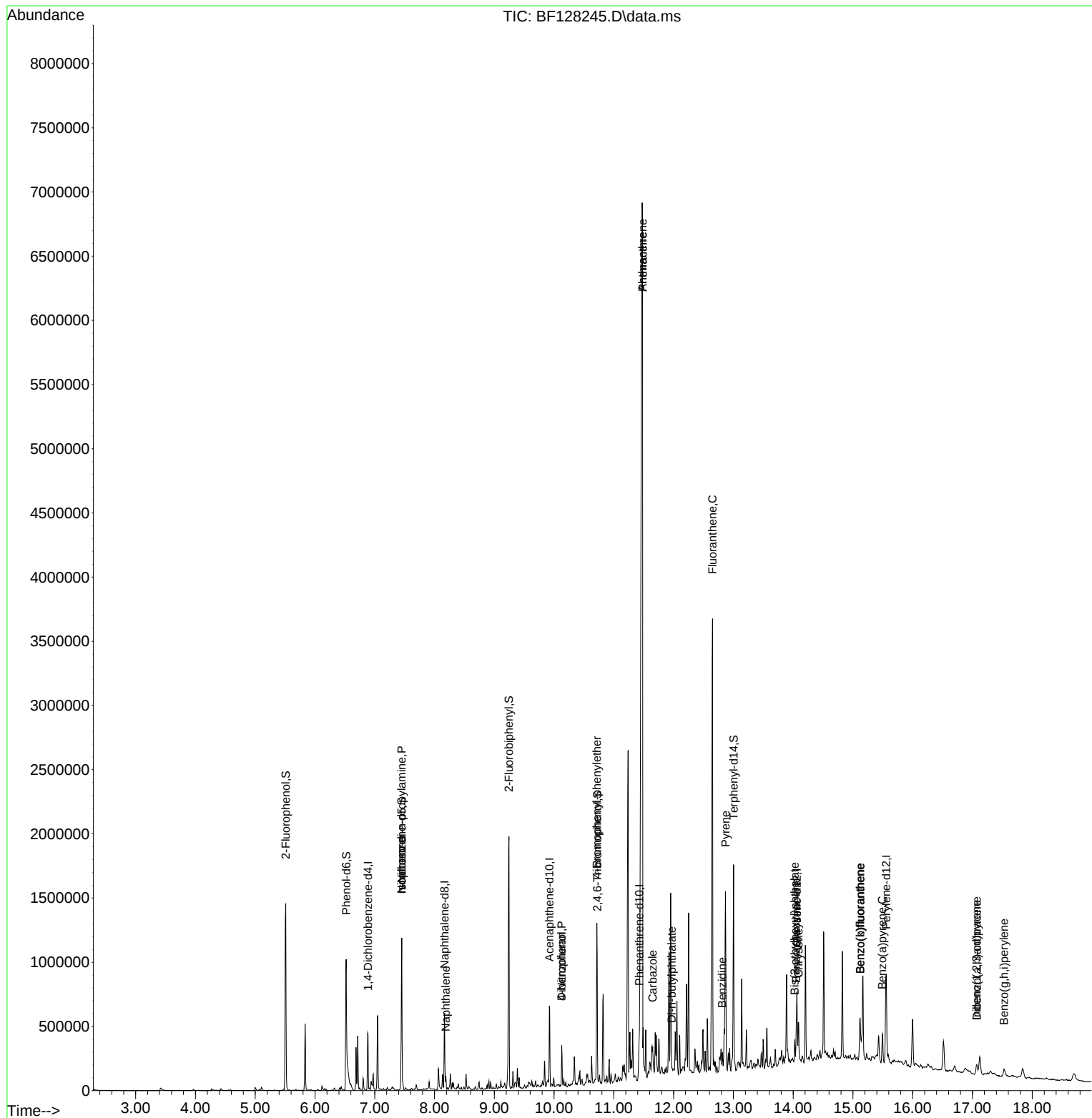
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	60909	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	232664	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	129283	20.000	ng	-0.01
64) Phenanthrene-d10	11.427	188	205333	20.000	ng	0.00
76) Chrysene-d12	14.062	240	136003	20.000	ng	0.00
86) Perylene-d12	15.556	264	127581	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	380986	99.713	ng	0.00
7) Phenol-d6	6.522	99	527456	104.372	ng	0.00
23) Nitrobenzene-d5	7.451	82	362589	70.124	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	125106	84.376	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	604081	73.111	ng	0.00
79) Terphenyl-d14	13.004	244	497549	68.646	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.439	77	3665	Below Cal	#	87
19) n-Nitroso-di-n-propyla...	7.451	70	50472	16.218	ng	# 80
25) Isophorone	7.451	82	362584	44.728	ng	# 68
31) Naphthalene	8.186	128	34186	2.975	ng	99
55) Dibenzofuran	10.127	168	104667	10.077	ng	98
56) 4-Nitrophenol	10.127	139	41843	30.182	ng	# 2
67) 4-Bromophenyl-phenylether	10.716	248	7741	3.504	ng	# 1
71) Phenanthrene	11.480	178	5498457	537.783	ng	98
72) Anthracene	11.480	178	5498457	538.635	ng	97
73) Carbazole	11.651	167	68023	7.008	ng	100
74) Di-n-butylphthalate	11.968	149	23226	2.078	ng	# 95
75) Fluoranthene	12.651	202	1721215	155.278	ng	98
77) Benzidine	12.815	184	18572	6.305	ng	96
78) Pyrene	12.868	202	517983	52.526	ng	100
81) Benzo(a)anthracene	14.051	228	99507	11.455	ng	97
83) Chrysene	14.092	228	126520	15.264	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	40820	7.369	ng	98
87) Indeno(1,2,3-cd)pyrene	17.068	276	47635	6.172	ng	# 94
88) Benzo(b)fluoranthene	15.121	252	259331	32.791	ng	# 98
89) Benzo(k)fluoranthene	15.121	252	259331	33.218	ng	# 97
90) Benzo(a)pyrene	15.492	252	104947	16.437	ng	98
91) Dibenzo(a,h)anthracene	17.074	278	17157	2.746	ng	# 85
92) Benzo(g,h,i)perylene	17.527	276	41384	6.542	ng	96

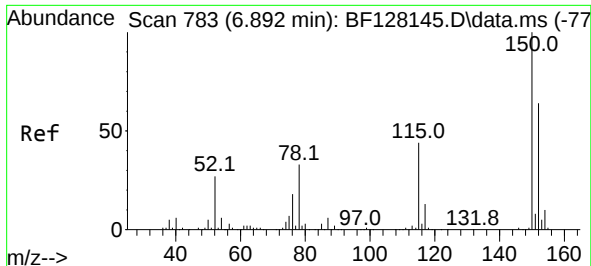
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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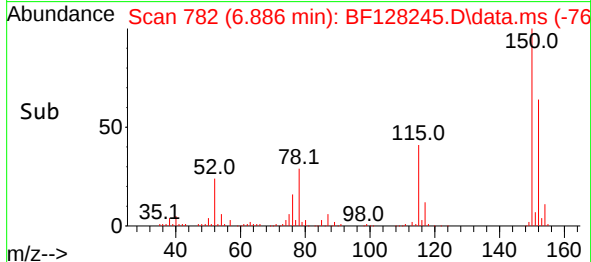
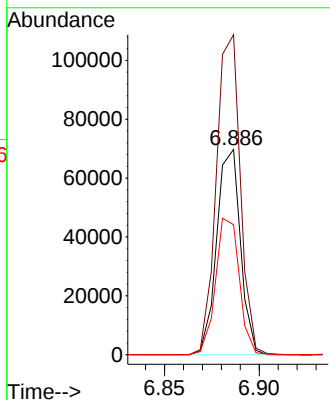
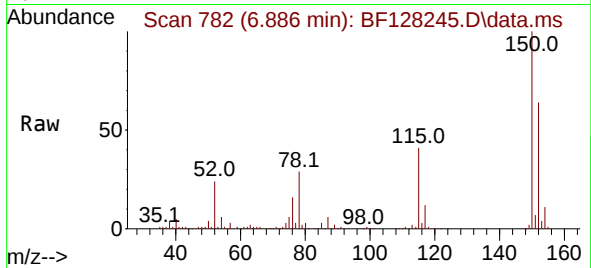




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 71
Delta R.T. -0.001 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

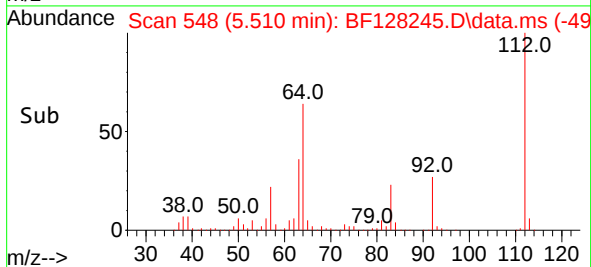
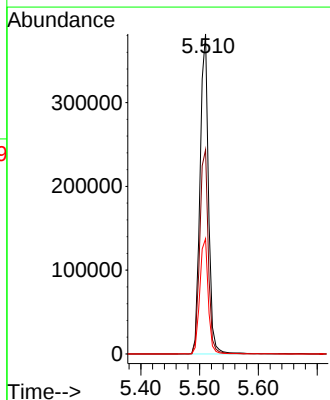
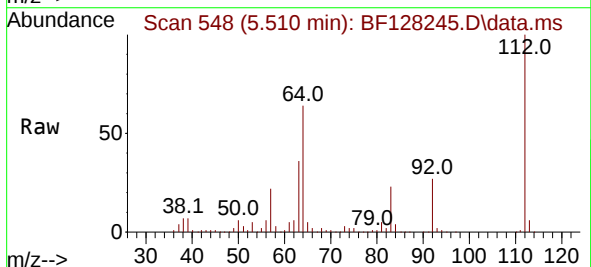
Instrument :
BNA_F
ClientSampleId :
SC-13

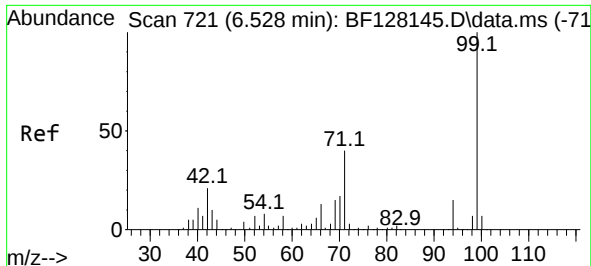
Tgt Ion:152 Resp: 60909
Ion Ratio Lower Upper
152 100
150 155.9 125.3 187.9
115 63.3 48.8 73.2



#5
2-Fluorophenol
Concen: 99.713 ng
RT: 5.510 min Scan# 548
Delta R.T. -0.000 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

Tgt Ion:112 Resp: 380986
Ion Ratio Lower Upper
112 100
64 63.8 49.5 74.3
63 36.0 26.3 39.5

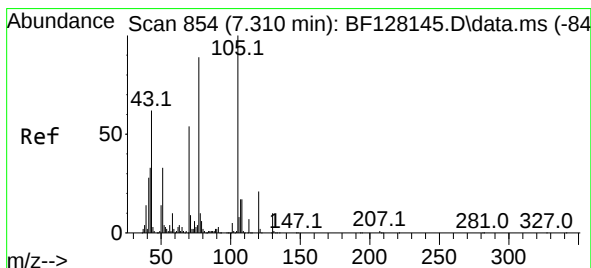
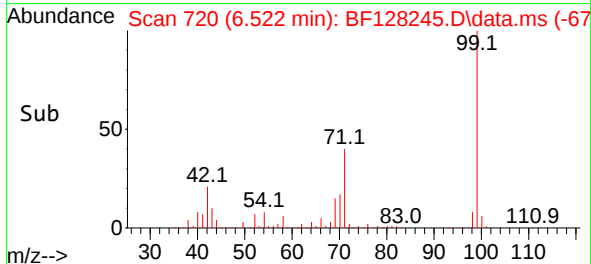
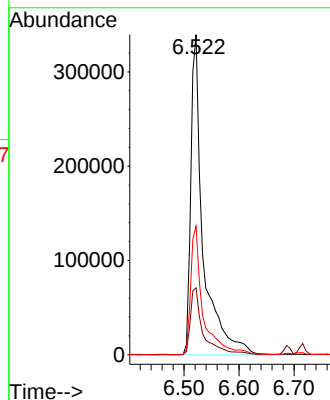
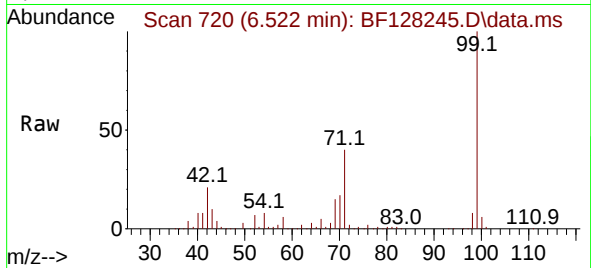




#7
Phenol-d6
Concen: 104.372 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

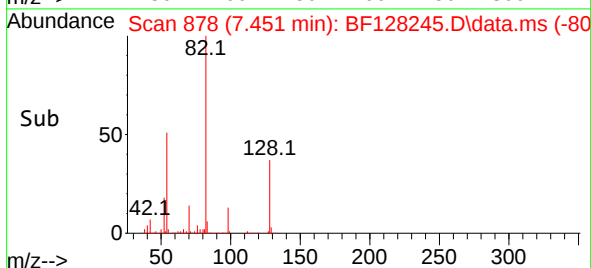
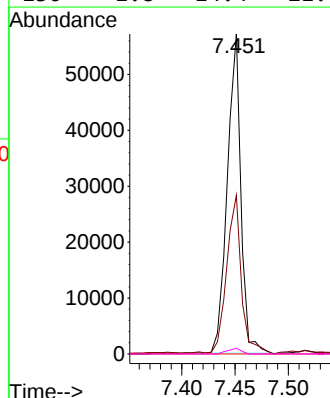
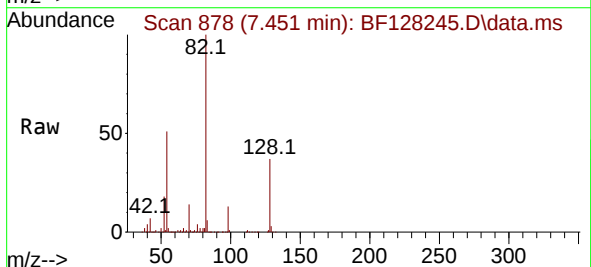
Instrument :
BNA_F
ClientSampleId :
SC-13

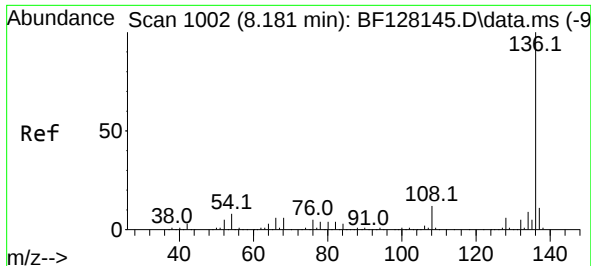
Tgt Ion: 99 Resp: 527456
Ion Ratio Lower Upper
99 100
42 20.9 16.6 24.8
71 40.2 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 16.218 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.147 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

Tgt Ion: 70 Resp: 50472
Ion Ratio Lower Upper
70 100
42 49.6 48.7 73.1
101 0.0 7.2 10.8#
130 1.8 14.4 21.6#



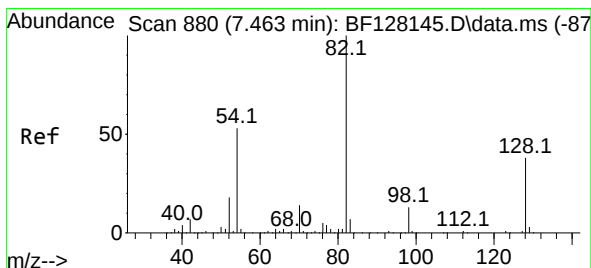
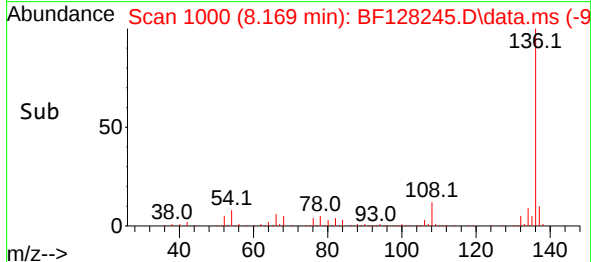
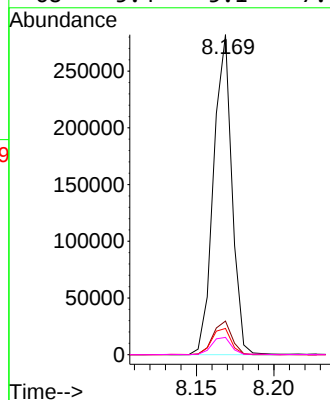
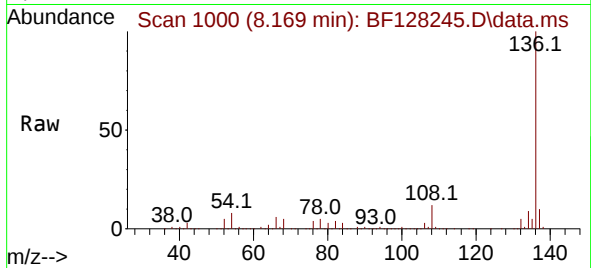


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

Instrument :
BNA_F
ClientSampleId :
SC-13

Tgt Ion:136 Resp: 232664

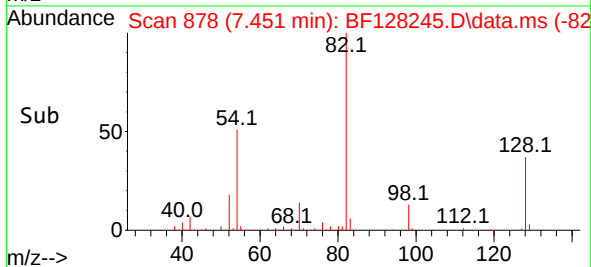
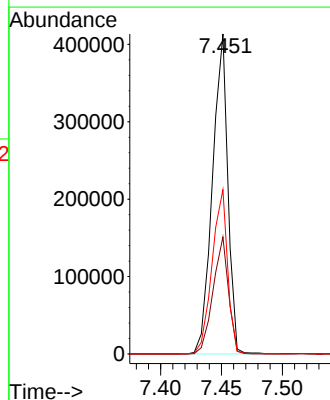
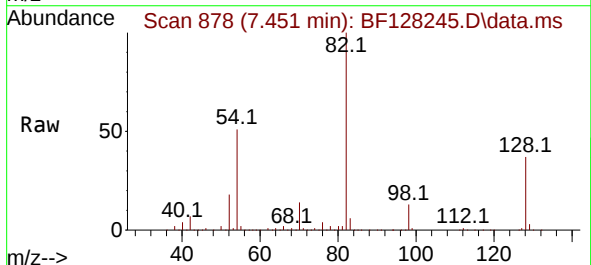
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	8.2	6.8	10.2
68	5.4	5.1	7.7



#23
Nitrobenzene-d5
Concen: 70.124 ng
RT: 7.451 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

Tgt Ion: 82 Resp: 362589

Ion	Ratio	Lower	Upper
82	100		
128	36.5	30.0	45.0
54	51.3	41.3	61.9

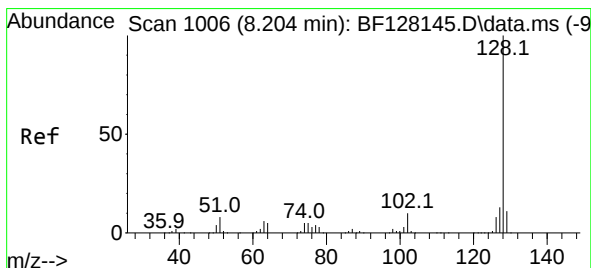
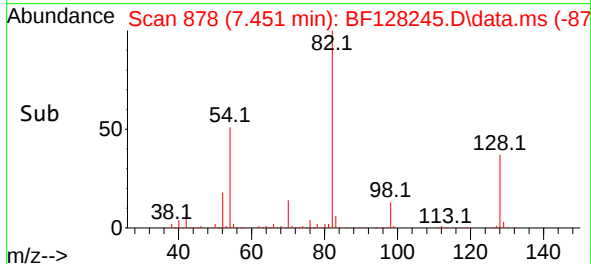
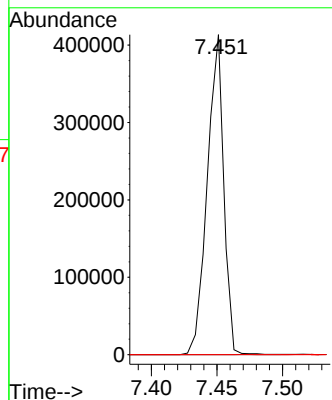
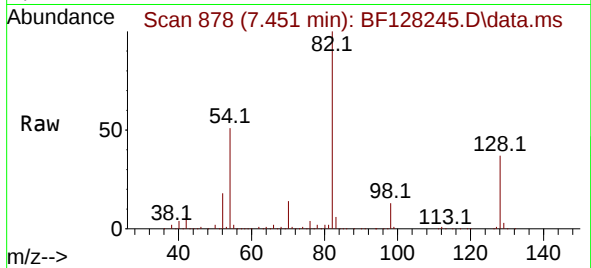




#25
Isophorone
Concen: 44.728 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

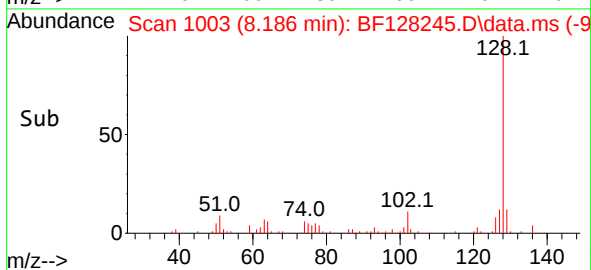
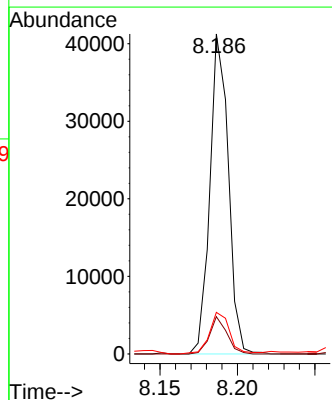
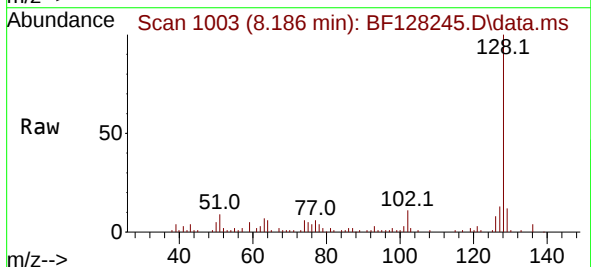
Instrument :
BNA_F
ClientSampleId :
SC-13

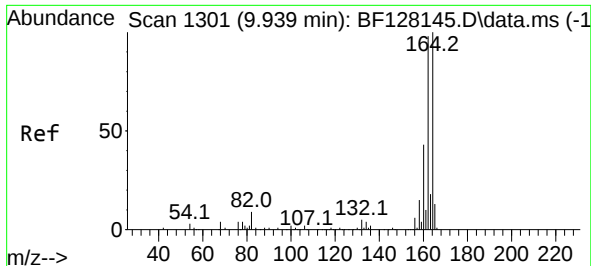
Tgt Ion: 82 Resp: 362584
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#31
Naphthalene
Concen: 2.975 ng
RT: 8.186 min Scan# 1003
Delta R.T. -0.012 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

Tgt Ion: 128 Resp: 34186
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.4
127 13.0 10.6 16.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF128245.D

Acq: 13 May 2022 18:11

Instrument :

BNA_F

ClientSampleId :

SC-13

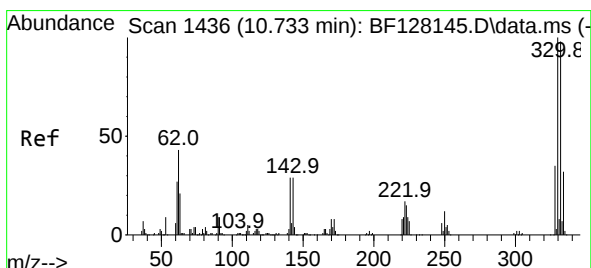
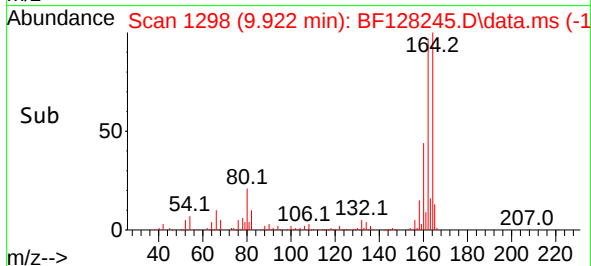
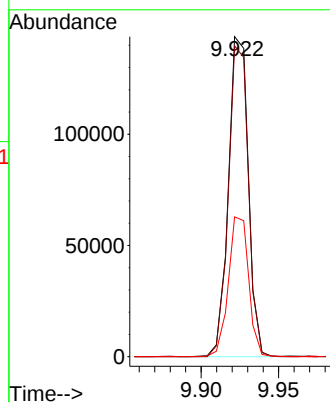
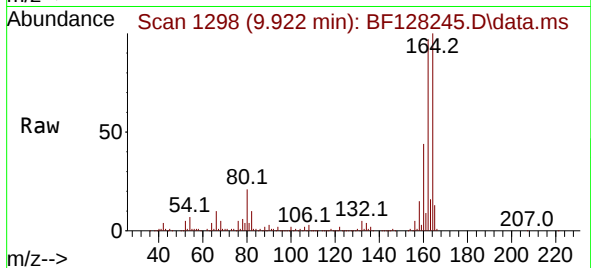
Tgt Ion:164 Resp: 129283

Ion Ratio Lower Upper

164 100

162 97.1 76.0 114.0

160 43.7 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 84.376 ng

RT: 10.722 min Scan# 1434

Delta R.T. -0.006 min

Lab File: BF128245.D

Acq: 13 May 2022 18:11

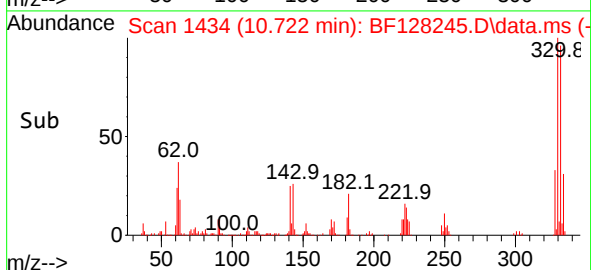
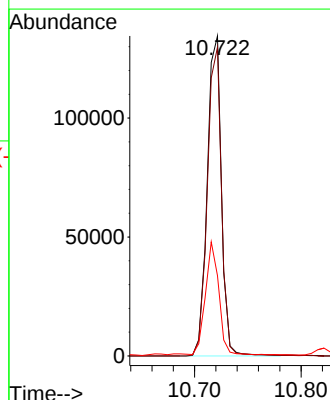
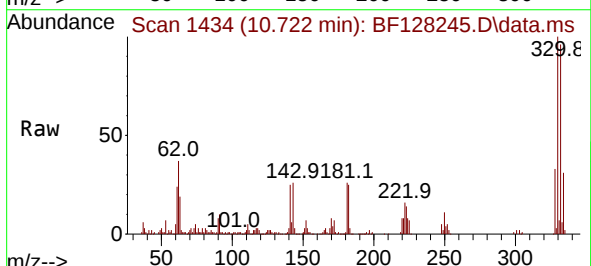
Tgt Ion:330 Resp: 125106

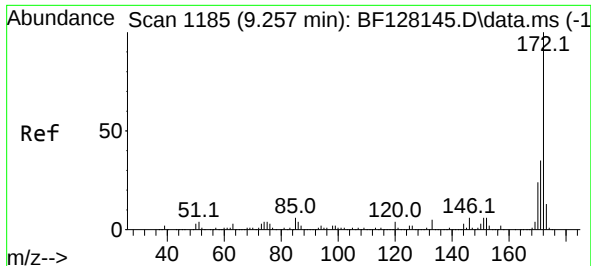
Ion Ratio Lower Upper

330 100

332 96.4 79.0 118.4

141 33.4 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 73.111 ng

RT: 9.245 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF128245.D

Acq: 13 May 2022 18:11

Instrument :

BNA_F

ClientSampleId :

SC-13

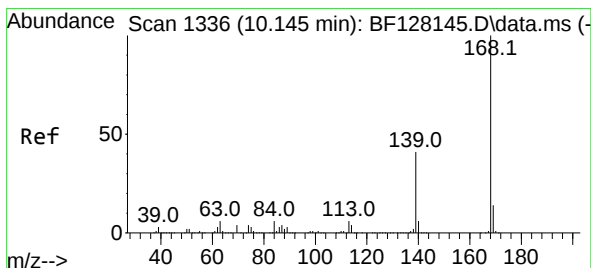
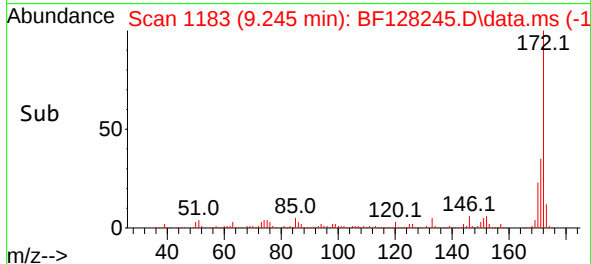
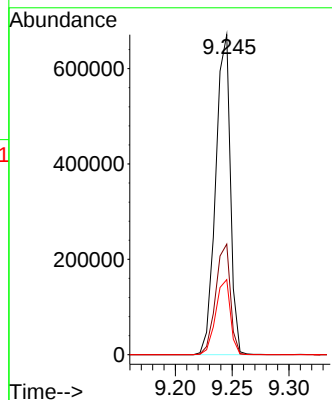
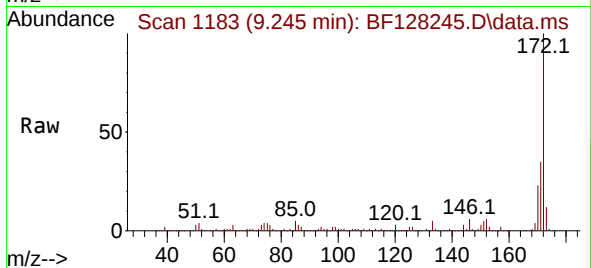
Tgt Ion:172 Resp: 604081

Ion Ratio Lower Upper

172 100

171 34.5 28.6 42.8

170 23.5 19.1 28.7



#55

Dibenzofuran

Concen: 10.077 ng

RT: 10.127 min Scan# 1333

Delta R.T. -0.012 min

Lab File: BF128245.D

Acq: 13 May 2022 18:11

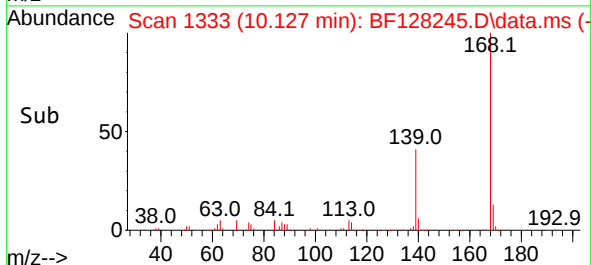
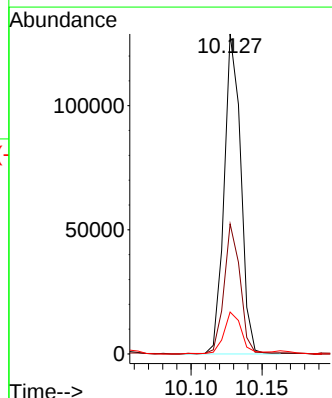
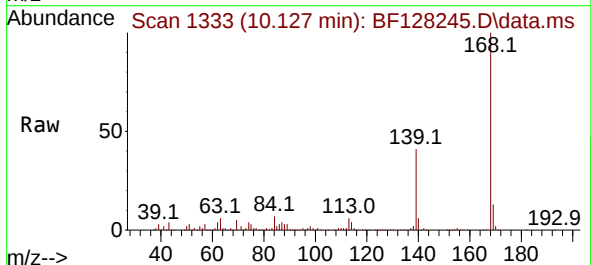
Tgt Ion:168 Resp: 104667

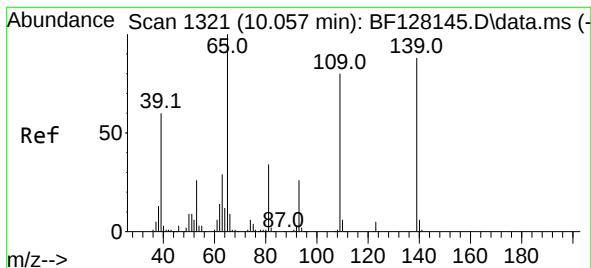
Ion Ratio Lower Upper

168 100

139 40.6 31.7 47.5

169 13.1 10.9 16.3

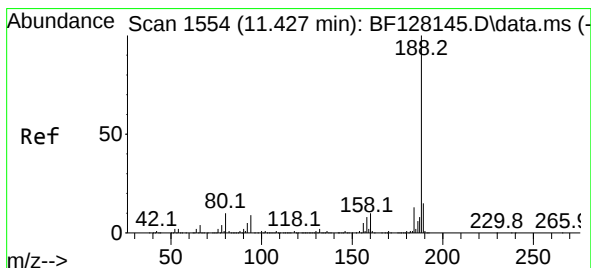
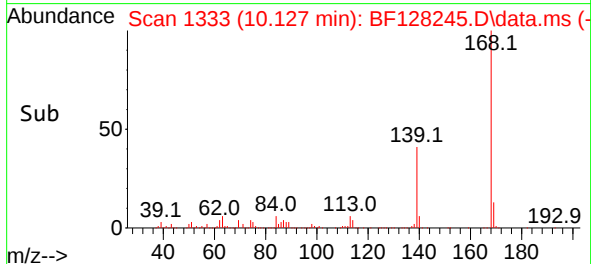
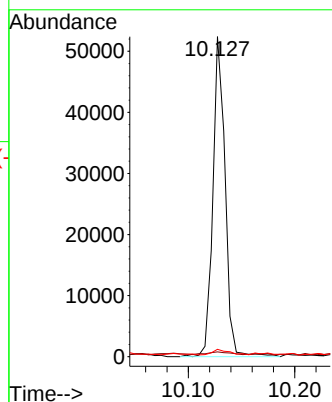
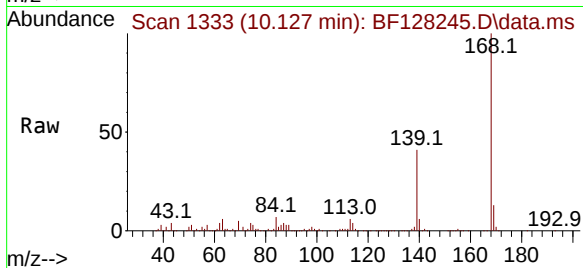




#56
4-Nitrophenol
Concen: 30.182 ng
RT: 10.127 min Scan# 11
Delta R.T. 0.070 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

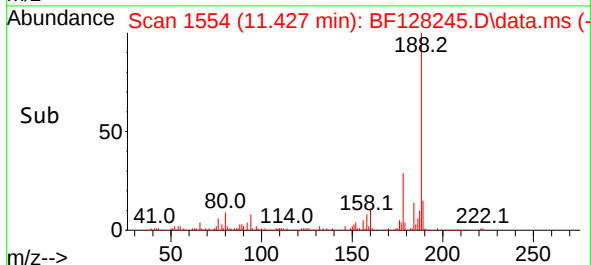
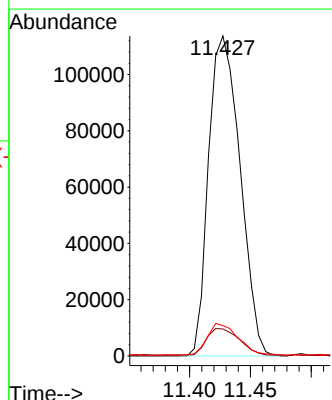
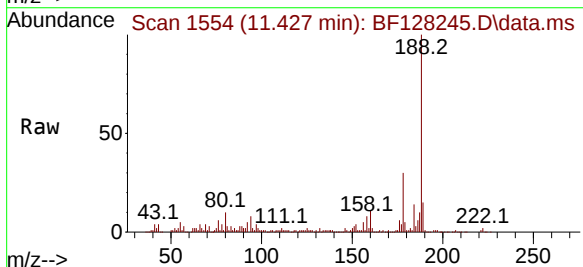
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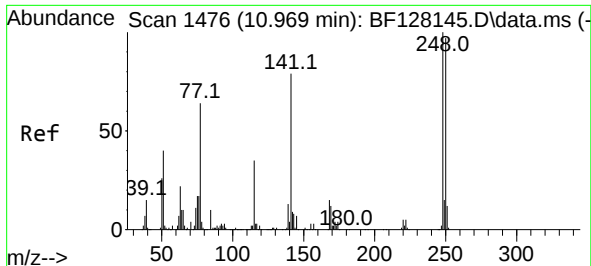
Tgt Ion:139 Resp: 41843
Ion Ratio Lower Upper
139 100
109 1.5 61.9 101.9#
65 2.3 93.5 133.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1554
Delta R.T. 0.006 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

Tgt Ion:188 Resp: 205333
Ion Ratio Lower Upper
188 100
94 8.4 8.0 12.0
80 9.5 8.9 13.3

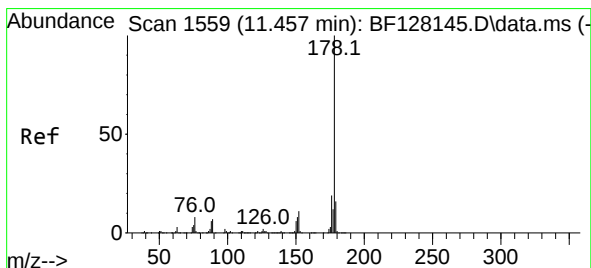
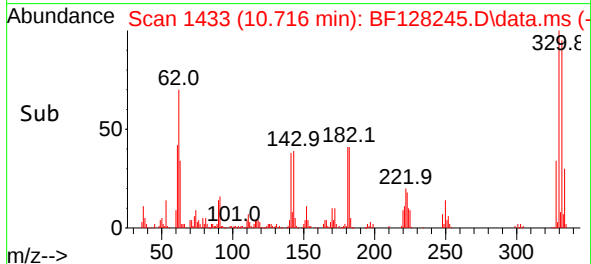
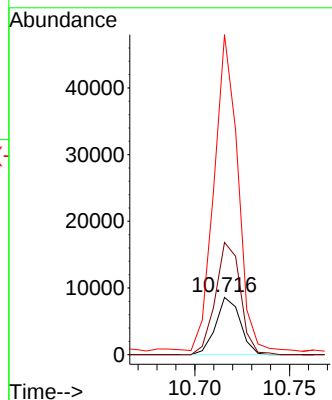
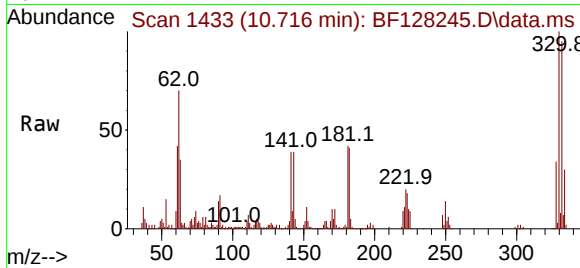




#67
4-Bromophenyl-phenylether
Concen: 3.504 ng
RT: 10.716 min Scan# 1476
Delta R.T. -0.247 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

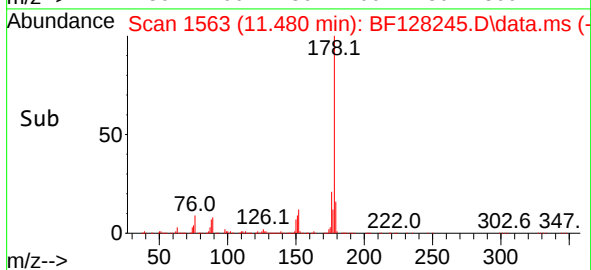
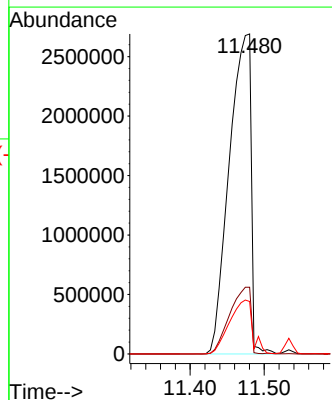
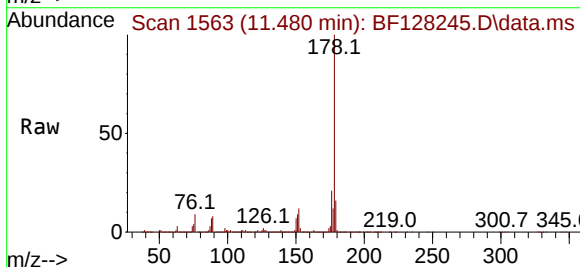
Instrument :
BNA_F
ClientSampleId :
SC-13

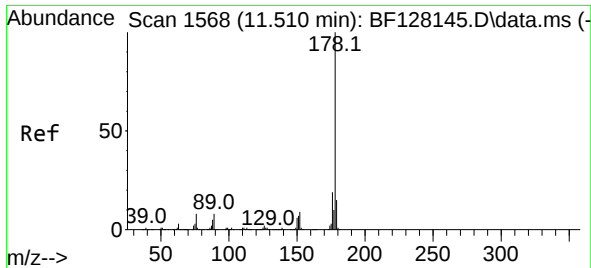
Tgt Ion:248 Resp: 7741
Ion Ratio Lower Upper
248 100
250 196.1 77.7 116.5#
141 558.5 65.6 98.4#



#71
Phenanthrene
Concen: 537.783 ng
RT: 11.480 min Scan# 1563
Delta R.T. 0.029 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

Tgt Ion:178 Resp: 5498457
Ion Ratio Lower Upper
178 100
176 20.9 15.7 23.5
179 16.4 12.6 19.0

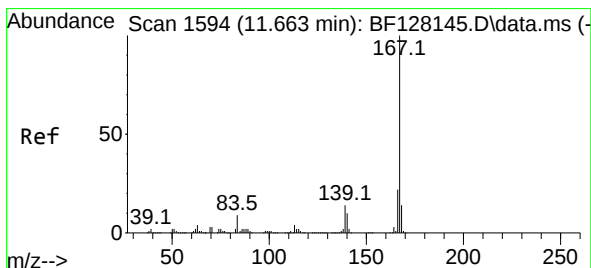
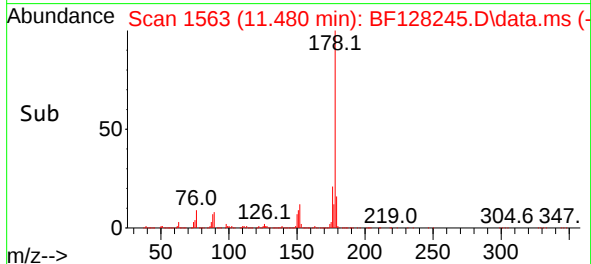
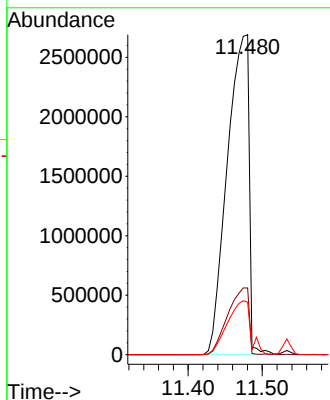
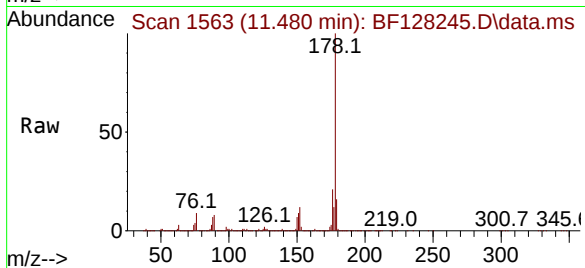




#72
 Anthracene
 Concen: 538.635 ng
 RT: 11.480 min Scan# 1563
 Delta R.T. -0.024 min
 Lab File: BF128245.D
 Acq: 13 May 2022 18:11

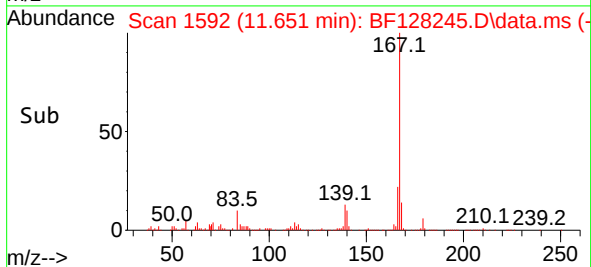
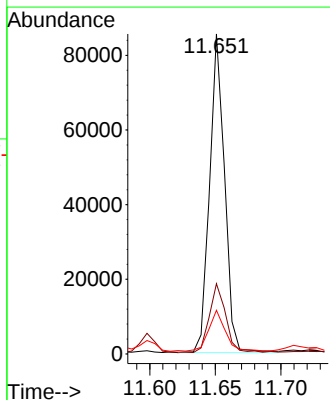
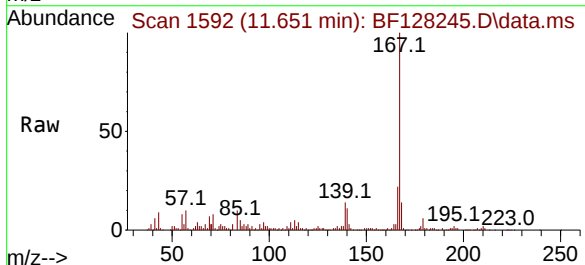
Instrument :
 BNA_F
 ClientSampleId :
 SC-13

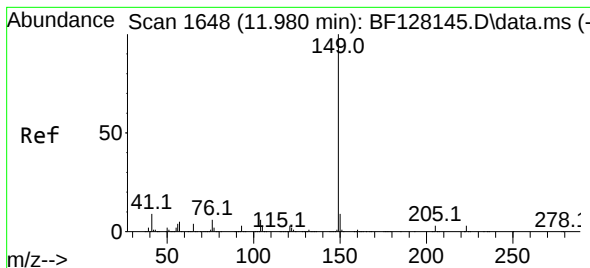
Tgt Ion:178 Resp: 5498457
 Ion Ratio Lower Upper
 178 100
 176 20.9 15.0 22.6
 179 16.4 12.4 18.6



#73
 Carbazole
 Concen: 7.008 ng
 RT: 11.651 min Scan# 1592
 Delta R.T. -0.006 min
 Lab File: BF128245.D
 Acq: 13 May 2022 18:11

Tgt Ion:167 Resp: 68023
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.6 26.4
 139 13.7 10.7 16.1





#74

Di-n-butylphthalate

Concen: 2.078 ng

RT: 11.968 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128245.D

Acq: 13 May 2022 18:11

Instrument :

BNA_F

ClientSampleId :

SC-13

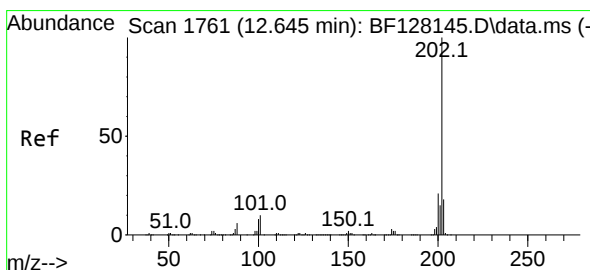
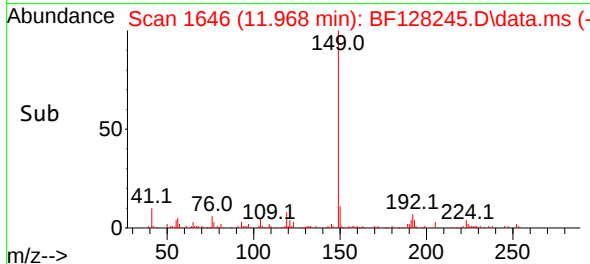
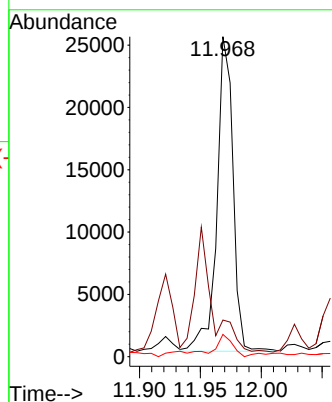
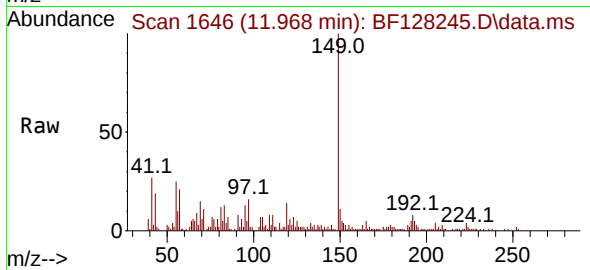
Tgt Ion:149 Resp: 23226

Ion Ratio Lower Upper

149 100

150 11.5 7.5 11.3#

104 7.0 4.3 6.5#



#75

Fluoranthene

Concen: 155.278 ng

RT: 12.651 min Scan# 1762

Delta R.T. 0.012 min

Lab File: BF128245.D

Acq: 13 May 2022 18:11

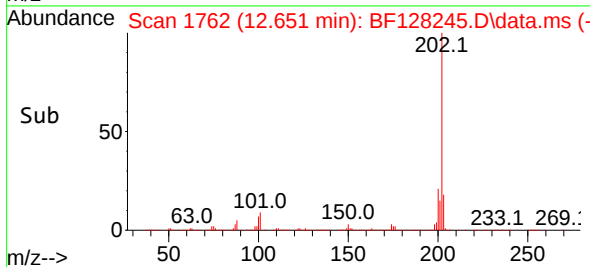
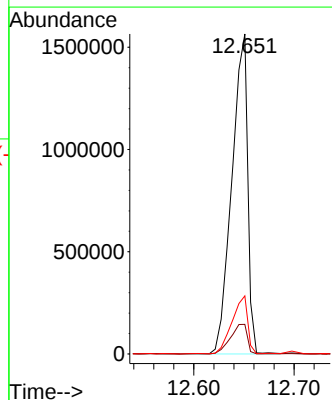
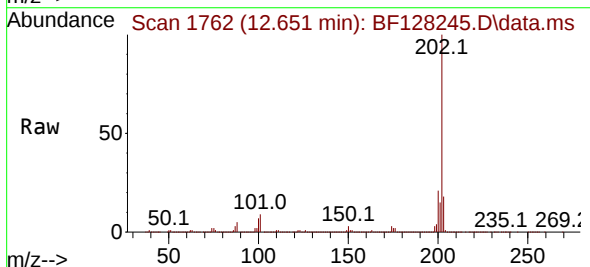
Tgt Ion:202 Resp: 1721215

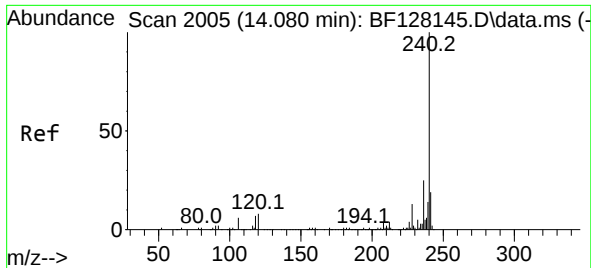
Ion Ratio Lower Upper

202 100

101 9.3 0.0 31.6

203 18.1 0.0 38.1

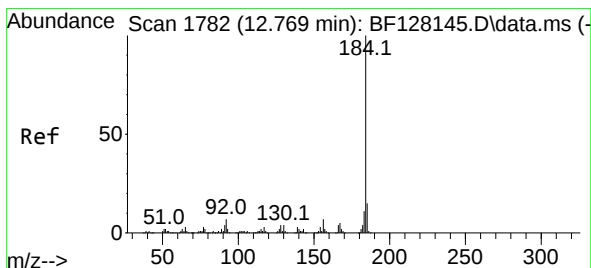
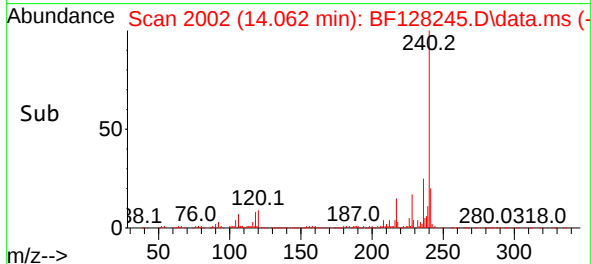
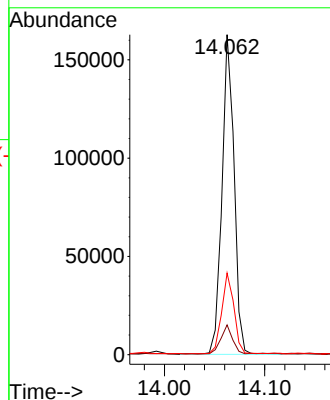
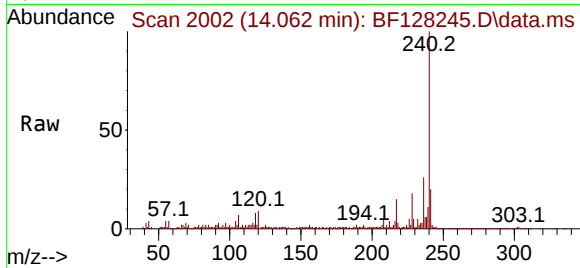




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

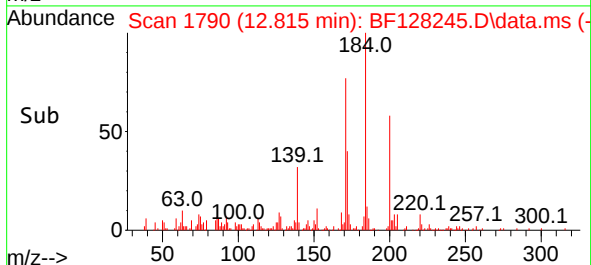
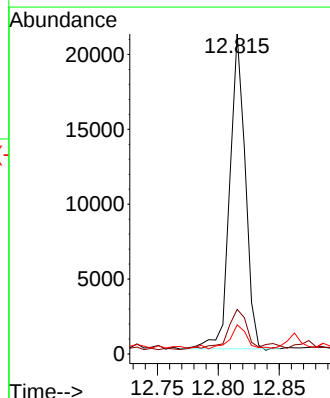
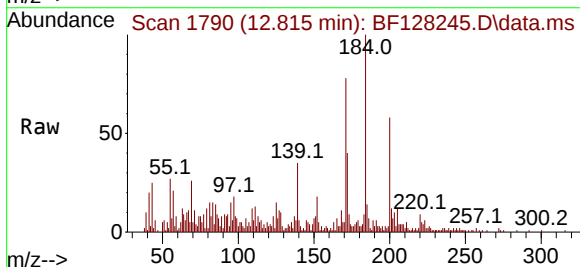
Instrument :
BNA_F
ClientSampleId :
SC-13

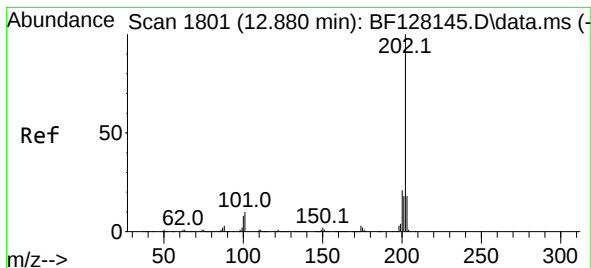
Tgt Ion:240 Resp: 136003
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.6
236 25.5 20.3 30.5



#77
Benzidine
Concen: 6.305 ng
RT: 12.815 min Scan# 1790
Delta R.T. 0.059 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

Tgt Ion:184 Resp: 18572
Ion Ratio Lower Upper
184 100
185 14.0 12.1 18.1
183 9.1 9.0 13.4





#78

Pyrene

Concen: 52.526 ng

RT: 12.868 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF128245.D

Acq: 13 May 2022 18:11

Instrument :

BNA_F

ClientSampleId :

SC-13

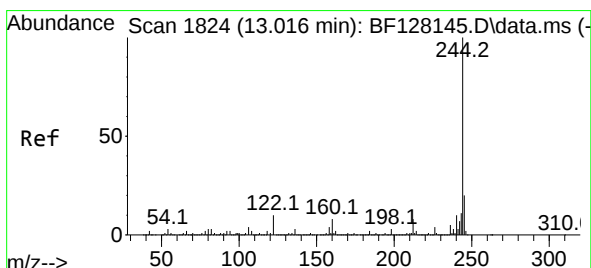
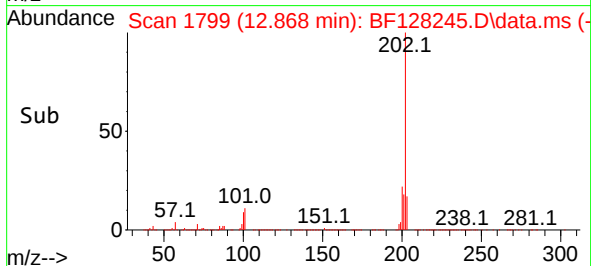
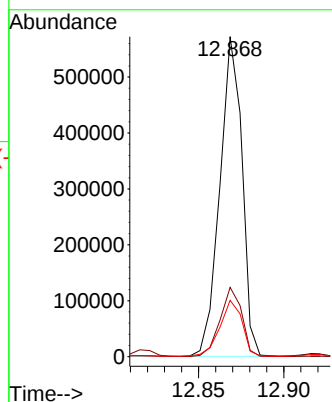
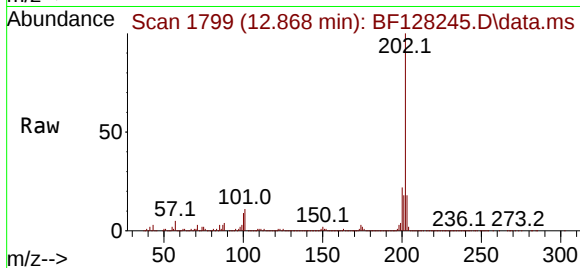
Tgt Ion:202 Resp: 517983

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

203 17.6 14.0 21.0



#79

Terphenyl-d14

Concen: 68.646 ng

RT: 13.004 min Scan# 1822

Delta R.T. -0.006 min

Lab File: BF128245.D

Acq: 13 May 2022 18:11

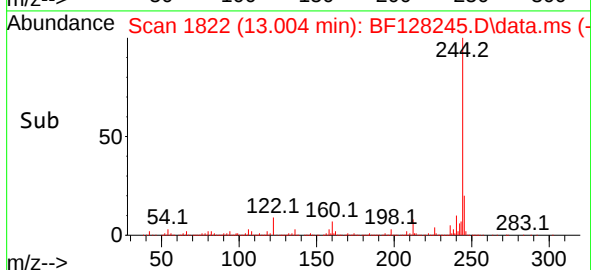
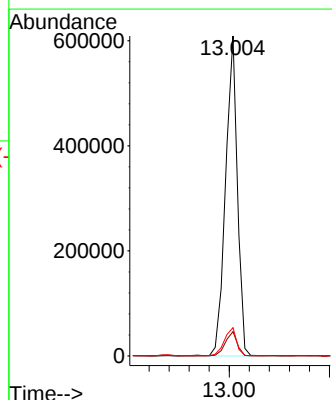
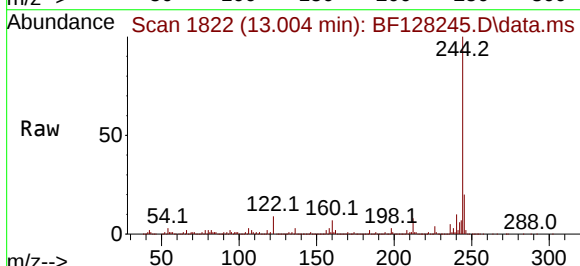
Tgt Ion:244 Resp: 497549

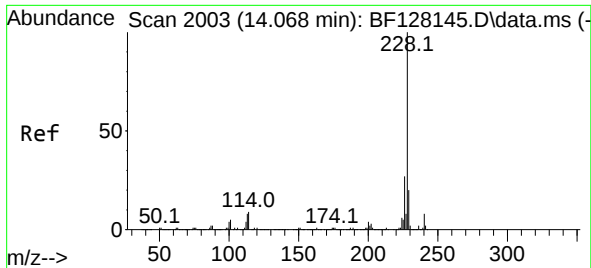
Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.4

122 8.8 8.6 12.8

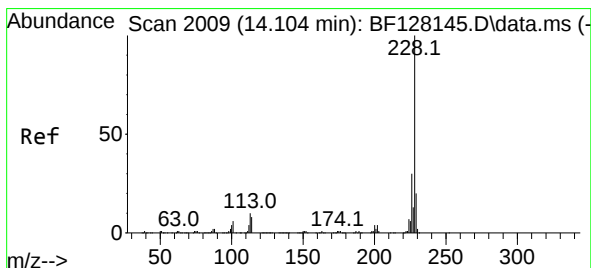
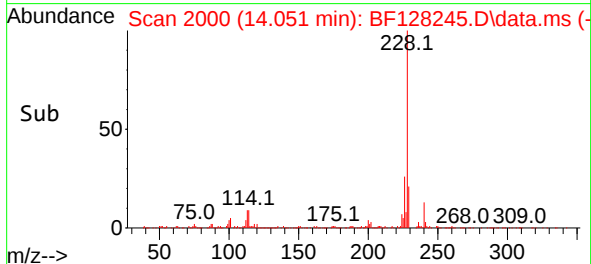
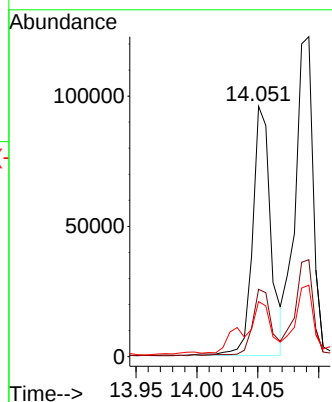
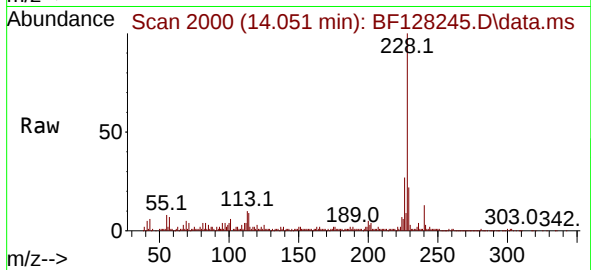




#81
Benzo(a)anthracene
Concen: 11.455 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

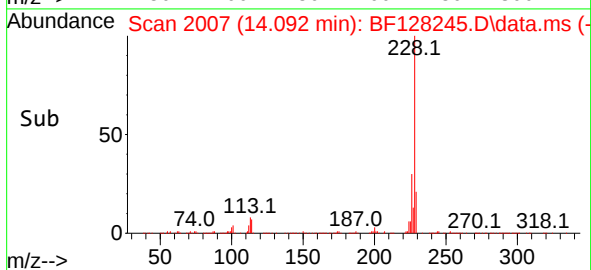
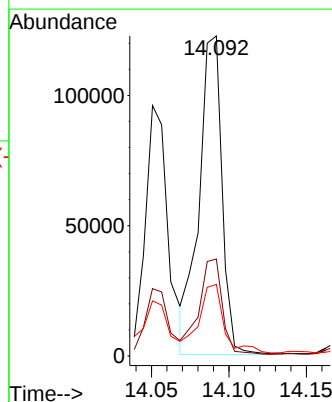
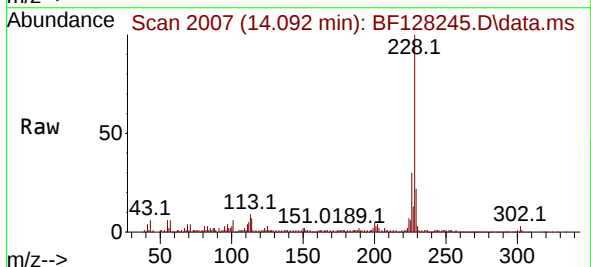
Instrument :
BNA_F
ClientSampleId :
SC-13

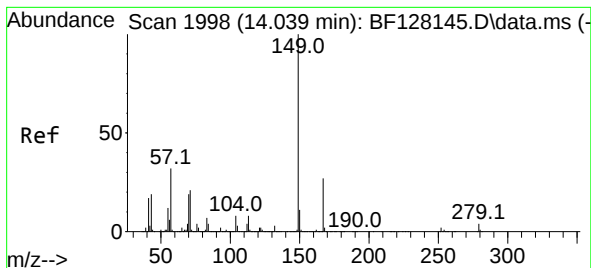
Tgt Ion:228 Resp: 99507
Ion Ratio Lower Upper
228 100
226 26.9 21.7 32.5
229 22.0 15.4 23.2



#83
Chrysene
Concen: 15.264 ng
RT: 14.092 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

Tgt Ion:228 Resp: 126520
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 22.3 15.8 23.8

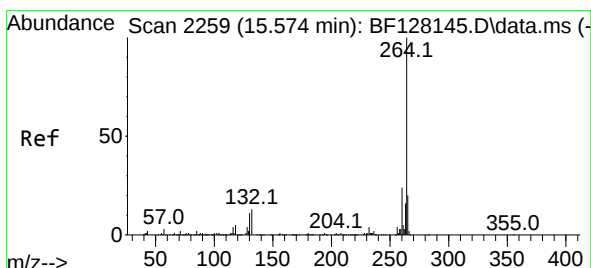
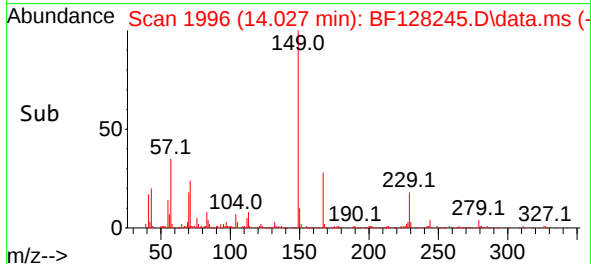
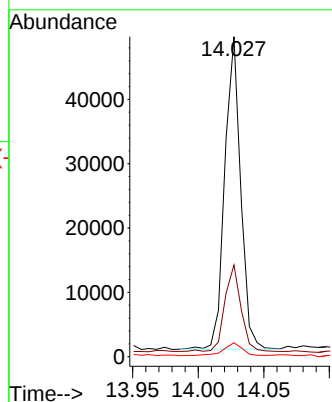
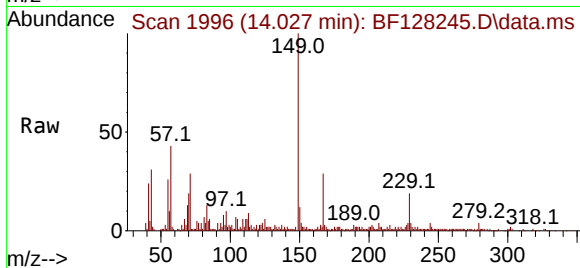




#84
Bis(2-ethylhexyl)phthalate
Concen: 7.369 ng
RT: 14.027 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

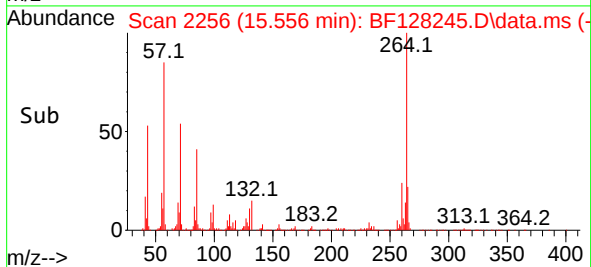
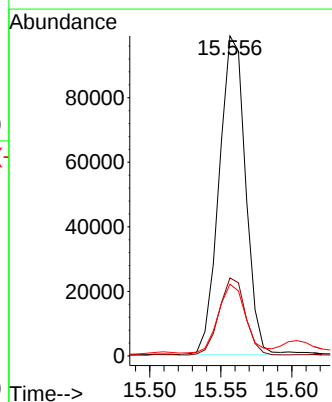
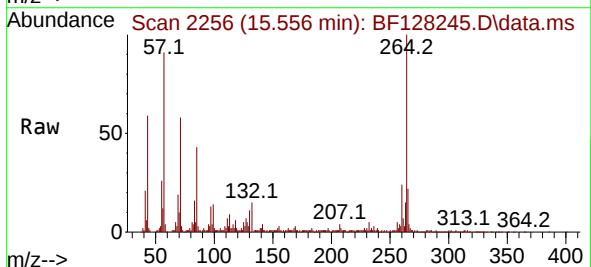
Instrument :
BNA_F
ClientSampleId :
SC-13

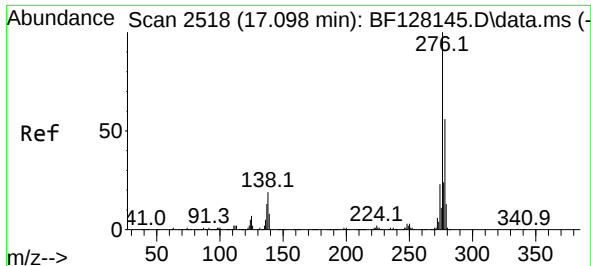
Tgt Ion:149 Resp: 40820
Ion Ratio Lower Upper
149 100
167 28.7 22.0 33.0
279 4.3 3.4 5.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.556 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

Tgt Ion:264 Resp: 127581
Ion Ratio Lower Upper
264 100
260 24.4 20.1 30.1
265 22.4 17.5 26.3

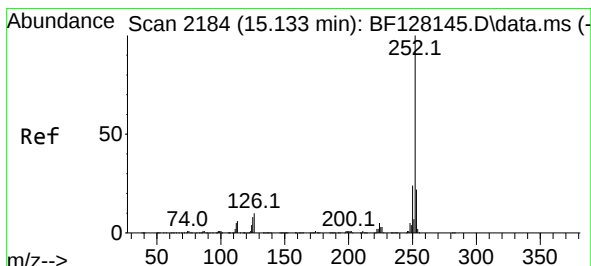
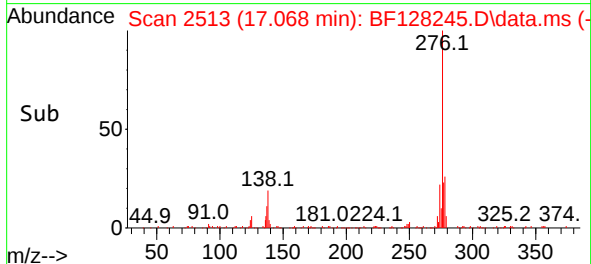
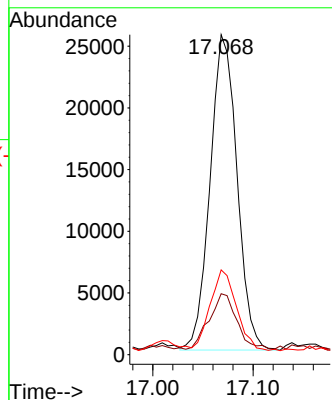
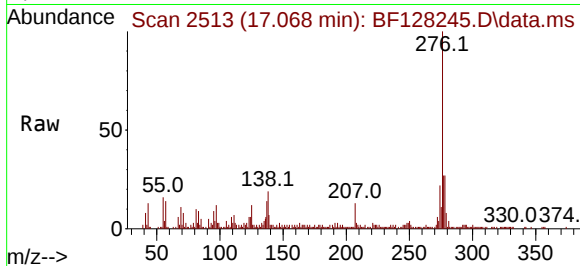




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.172 ng
 RT: 17.068 min Scan# 2182
 Delta R.T. -0.018 min
 Lab File: BF128245.D
 Acq: 13 May 2022 18:11

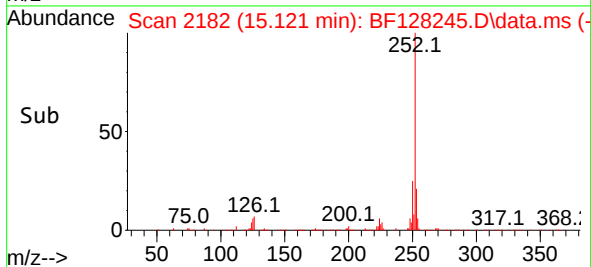
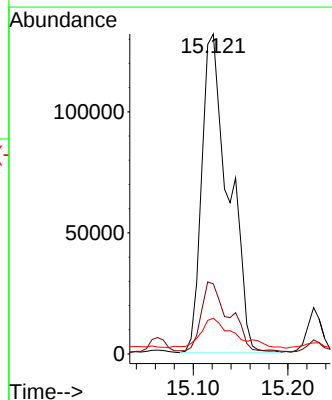
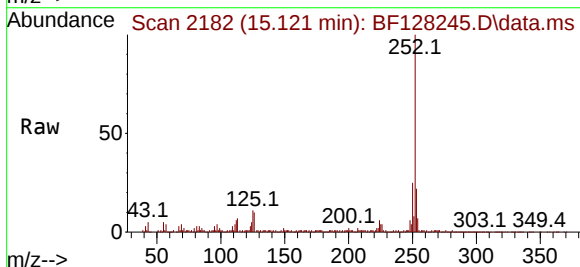
Instrument :
 BNA_F
 ClientSampleId :
 SC-13

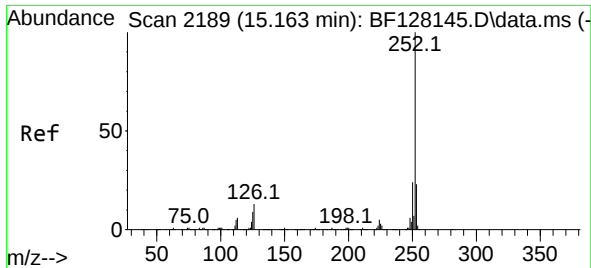
Tgt Ion:276 Resp: 47635
 Ion Ratio Lower Upper
 276 100
 138 18.0 19.0 28.4#
 277 25.2 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 32.791 ng
 RT: 15.121 min Scan# 2182
 Delta R.T. -0.000 min
 Lab File: BF128245.D
 Acq: 13 May 2022 18:11

Tgt Ion:252 Resp: 259331
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.4 26.2
 125 11.2 7.4 11.2#

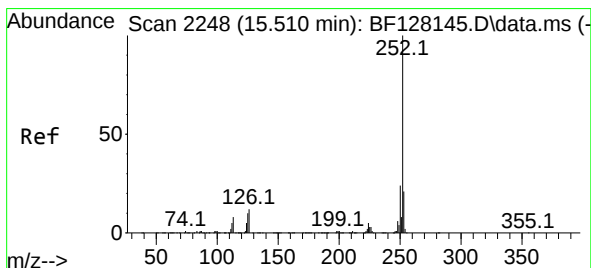
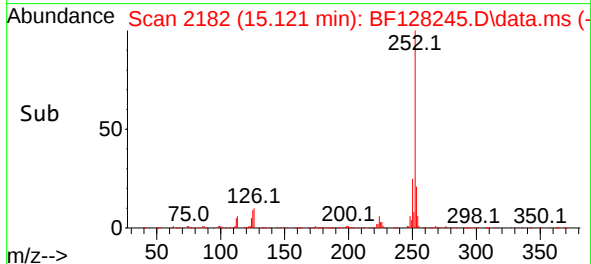
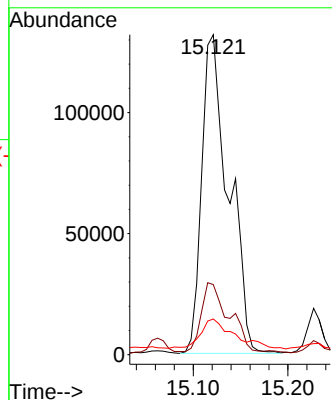
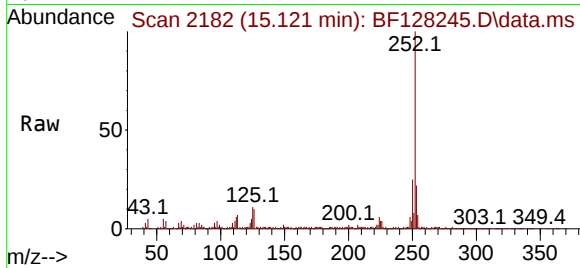




#89
Benzo(k)fluoranthene
Concen: 33.218 ng
RT: 15.121 min Scan# 2189
Delta R.T. -0.030 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

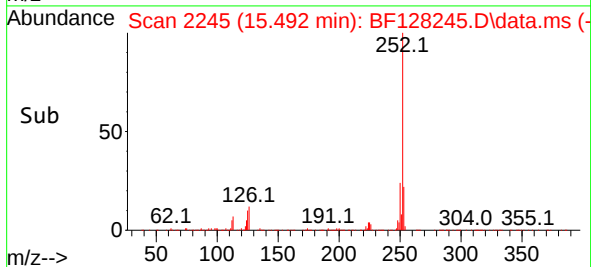
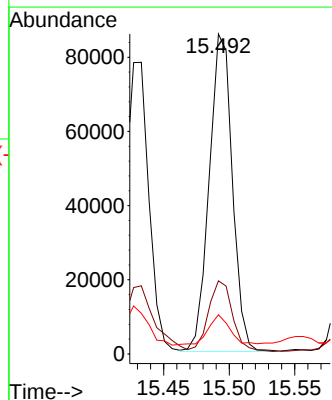
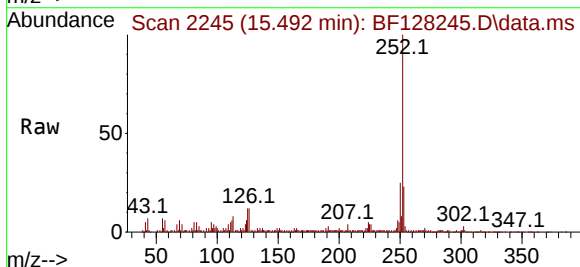
Instrument :
BNA_F
ClientSampleId :
SC-13

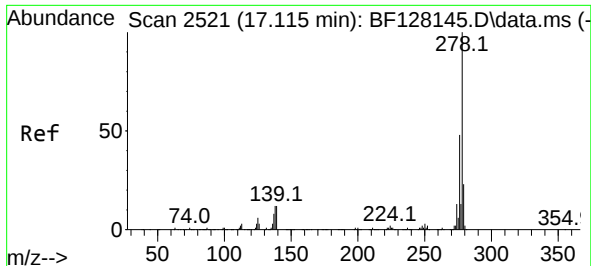
Tgt Ion:252 Resp: 259331
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.4
125 11.2 6.8 10.2#



#90
Benzo(a)pyrene
Concen: 16.437 ng
RT: 15.492 min Scan# 2245
Delta R.T. -0.006 min
Lab File: BF128245.D
Acq: 13 May 2022 18:11

Tgt Ion:252 Resp: 104947
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 12.3 9.2 13.8





#91

Dibenzo(a,h)anthracene

Concen: 2.746 ng

RT: 17.074 min Scan# 2514

Delta R.T. -0.024 min

Lab File: BF128245.D

Acq: 13 May 2022 18:11

Instrument :

BNA_F

ClientSampleId :

SC-13

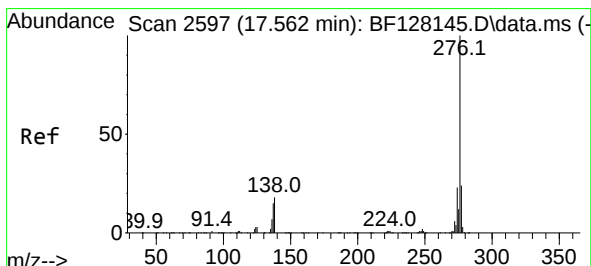
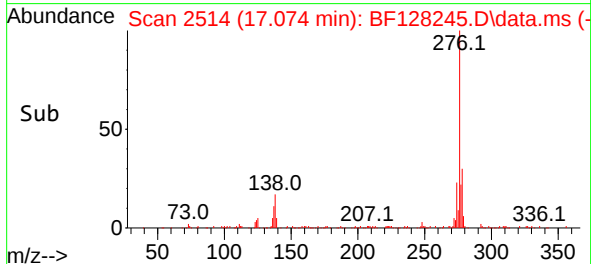
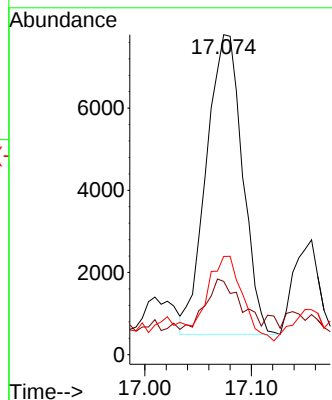
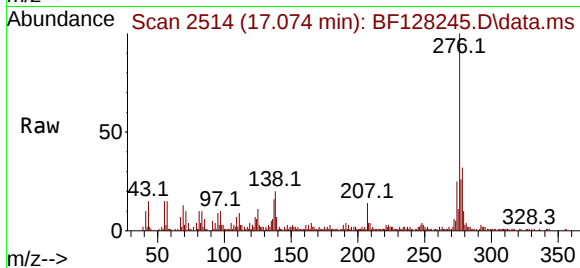
Tgt Ion:278 Resp: 17157

Ion Ratio Lower Upper

278 100

139 22.9 12.6 19.0#

279 30.7 18.9 28.3#



#92

Benzo(g,h,i)perylene

Concen: 6.542 ng

RT: 17.527 min Scan# 2591

Delta R.T. -0.024 min

Lab File: BF128245.D

Acq: 13 May 2022 18:11

Tgt Ion:276 Resp: 41384

Ion Ratio Lower Upper

276 100

277 26.7 18.8 28.2

138 19.9 16.2 24.2

