

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
 Data File : BF128242.D
 Acq On : 13 May 2022 16:43
 Operator : CG\JU
 Sample : N2823-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-10

Quant Time: May 14 00:56:16 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)

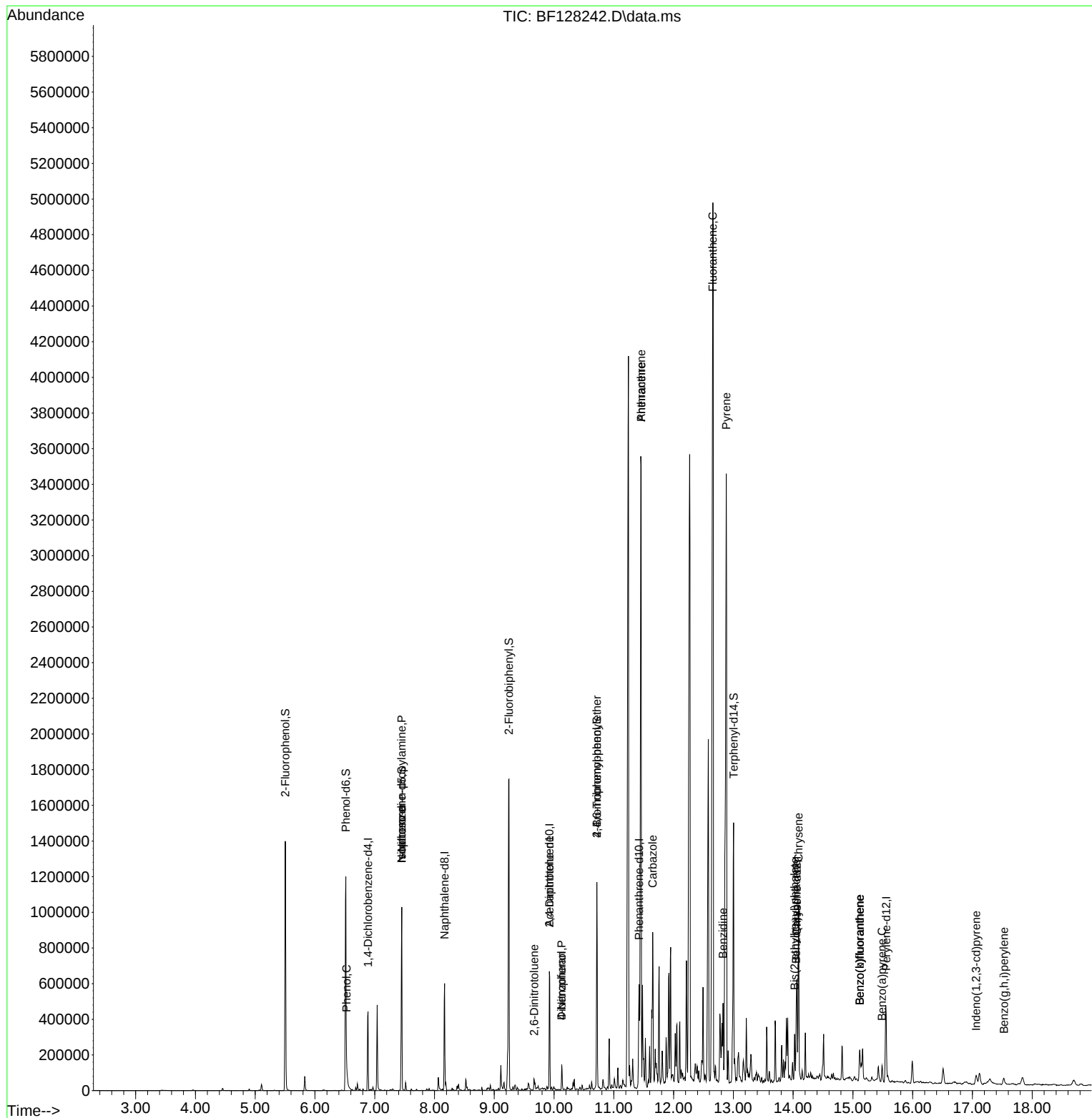
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	59890	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	237837	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	135976	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	233941	20.000	ng	0.00
76) Chrysene-d12	14.063	240	136835	20.000	ng	0.00
86) Perylene-d12	15.557	264	142537	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	323986	86.238	ng	0.00
7) Phenol-d6	6.516	99	438289	88.203	ng	-0.01
23) Nitrobenzene-d5	7.451	82	310962	58.831	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	122886	78.799	ng	-0.01
45) 2-Fluorobiphenyl	9.245	172	533224	61.359	ng	0.00
79) Terphenyl-d14	13.004	244	469079	64.325	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.440	77	651	Below Cal	#	70
10) Phenol	6.528	94	13905	2.654	ng	# 80
19) n-Nitroso-di-n-propyla...	7.451	70	42556	13.907	ng	# 80
25) Isophorone	7.451	82	311020	37.533	ng	# 68
51) 2,6-Dinitrotoluene	9.669	165	5644	2.932	ng	# 25
55) Dibenzofuran	10.128	168	46185	4.228	ng	# 98
56) 4-Nitrophenol	10.128	139	18682	12.812	ng	# 2
57) 2,4-Dinitrotoluene	9.922	165	18224	7.080	ng	# 26
67) 4-Bromophenyl-phenylether	10.716	248	7365	2.926	ng	# 1
71) Phenanthrene	11.457	178	1589558	136.457	ng	100
72) Anthracene	11.457	178	1589558	136.673	ng	99
73) Carbazole	11.651	167	316957	28.659	ng	100
75) Fluoranthene	12.657	202	3091676	244.806	ng	99
77) Benzidine	12.827	184	60512	20.418	ng	# 95
78) Pyrene	12.880	202	1753618	176.745	ng	99
81) Benzo(a)anthracene	14.051	228	145122	16.604	ng	99
83) Chrysene	14.092	228	318155	38.151	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	72013	12.921	ng	97
87) Indeno(1,2,3-cd)pyrene	17.062	276	33644	3.902	ng	96
88) Benzo(b)fluoranthene	15.116	252	122258	13.837	ng	98
89) Benzo(k)fluoranthene	15.116	252	122258	14.017	ng	97
90) Benzo(a)pyrene	15.486	252	40919	5.736	ng	98
92) Benzo(g,h,i)perylene	17.527	276	28163	3.985	ng	97

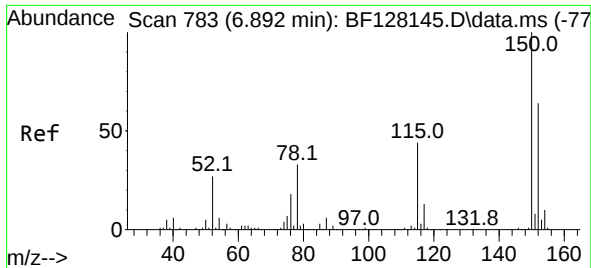
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 14 00:51:21 2022
Response via : Initial Calibration

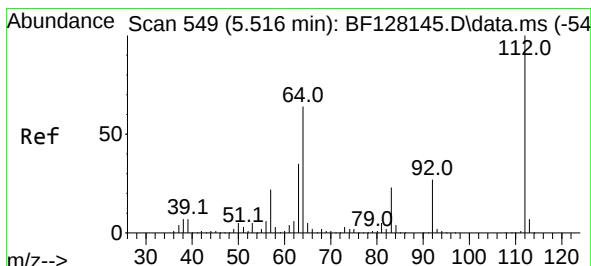
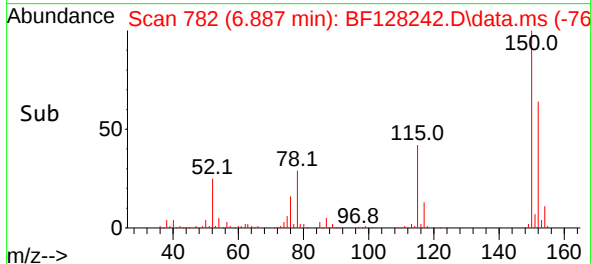
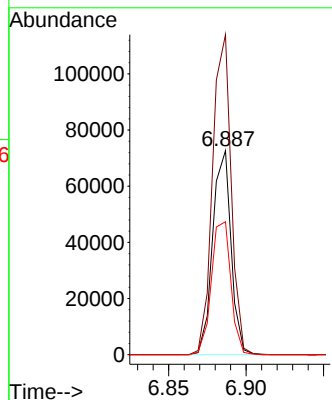
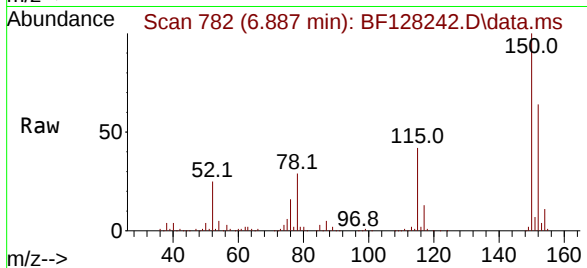




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128242.D
Acq: 13 May 2022 16:43

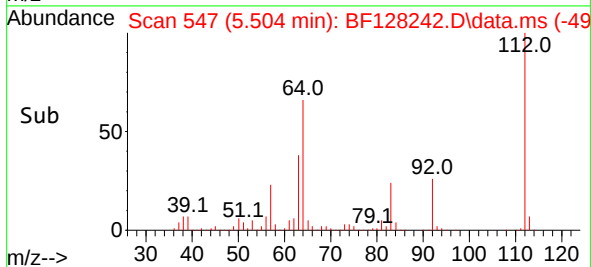
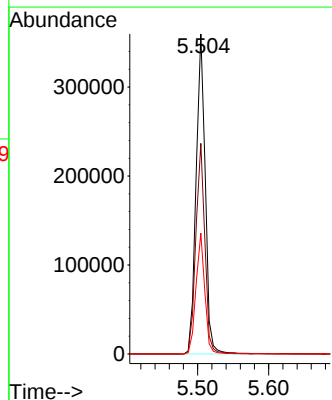
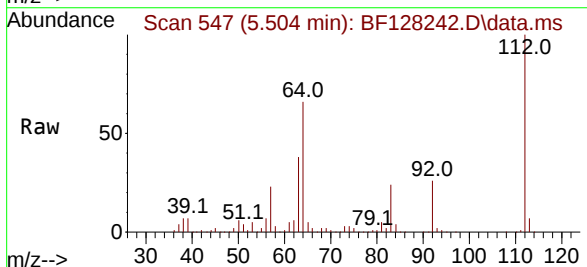
Instrument :
BNA_F
ClientSampleId :
SC-10

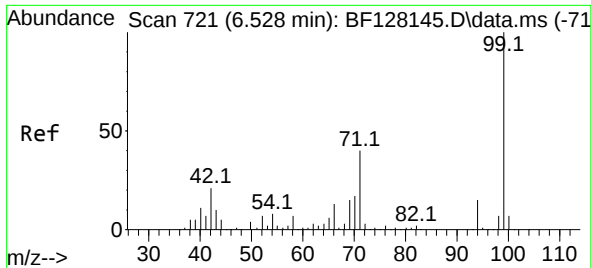
Tgt Ion:152 Resp: 59890
Ion Ratio Lower Upper
152 100
150 156.9 125.3 187.9
115 65.2 48.8 73.2



#5
2-Fluorophenol
Concen: 86.238 ng
RT: 5.504 min Scan# 547
Delta R.T. -0.006 min
Lab File: BF128242.D
Acq: 13 May 2022 16:43

Tgt Ion:112 Resp: 323986
Ion Ratio Lower Upper
112 100
64 65.8 49.5 74.3
63 37.8 26.3 39.5





#7

Phenol-d6

Concen: 88.203 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF128242.D

Acq: 13 May 2022 16:43

Instrument :

BNA_F

ClientSampleId :

SC-10

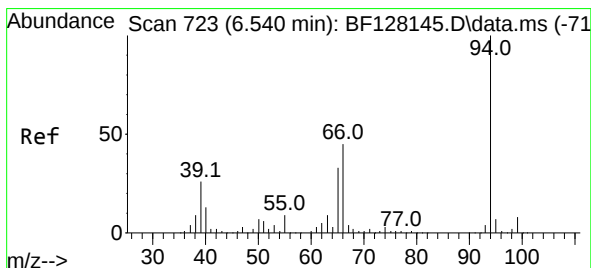
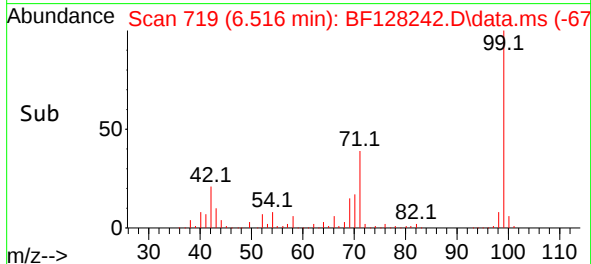
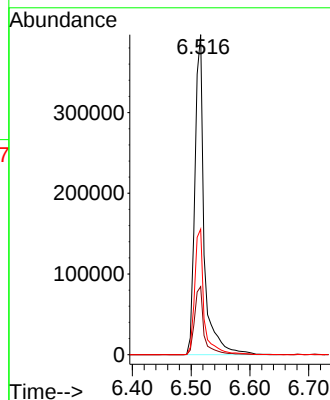
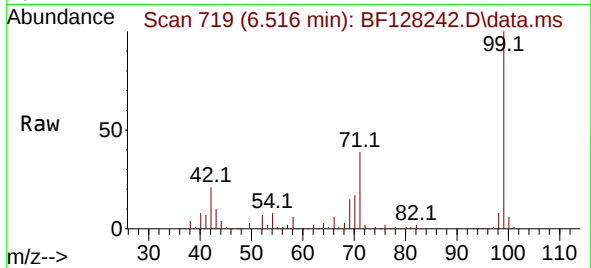
Tgt Ion: 99 Resp: 438289

Ion Ratio Lower Upper

99 100

42 21.3 16.6 24.8

71 39.3 30.0 45.0



#10

Phenol

Concen: 2.654 ng

RT: 6.528 min Scan# 721

Delta R.T. -0.012 min

Lab File: BF128242.D

Acq: 13 May 2022 16:43

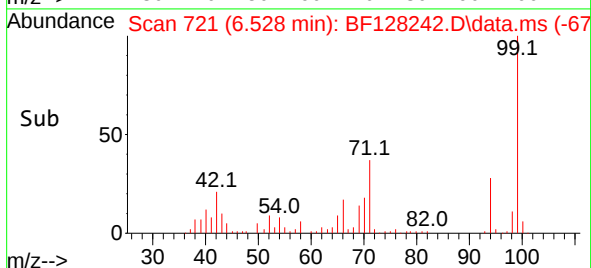
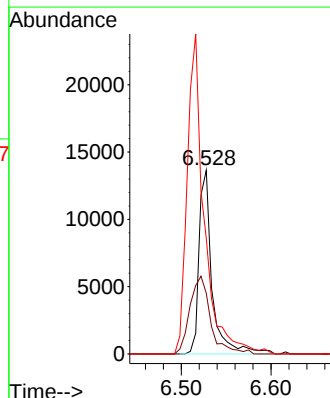
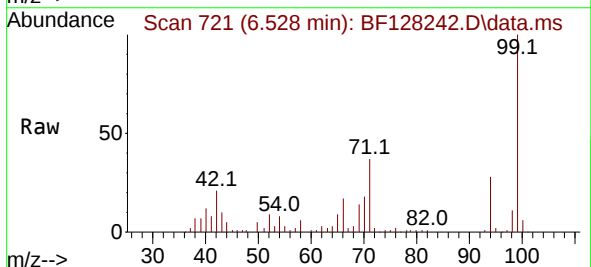
Tgt Ion: 94 Resp: 13905

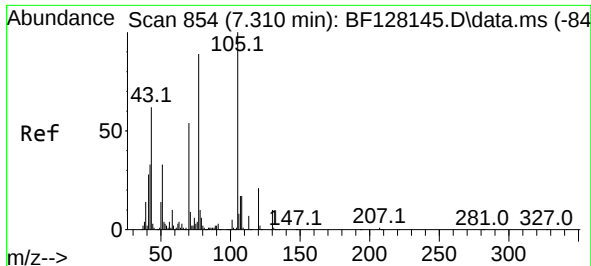
Ion Ratio Lower Upper

94 100

65 33.0 10.6 50.6

66 63.0 22.6 62.6#

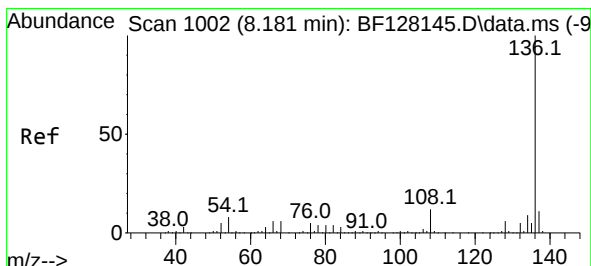
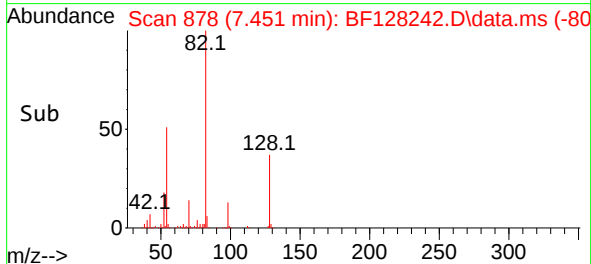
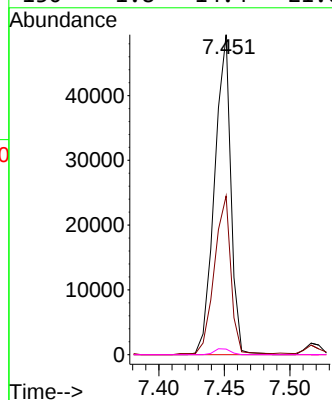
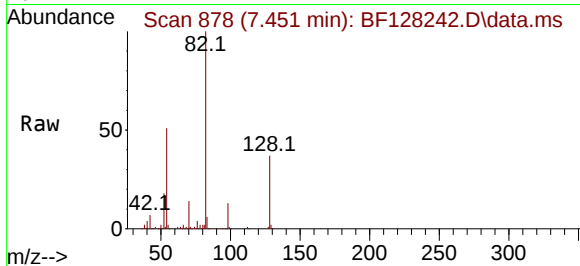




#19
n-Nitroso-di-n-propylamine
Concen: 13.907 ng
RT: 7.451 min Scan# 81
Delta R.T. 0.147 min
Lab File: BF128242.D
Acq: 13 May 2022 16:43

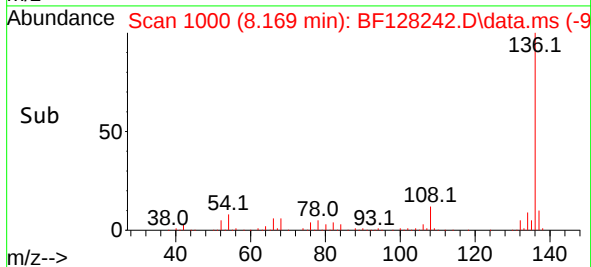
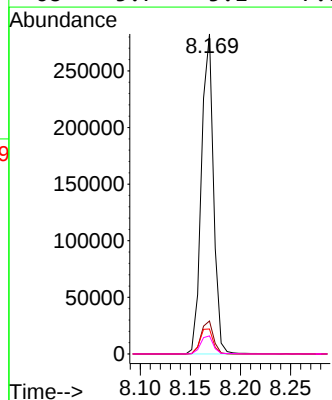
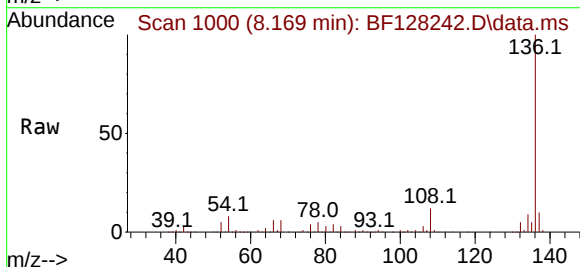
Instrument :
BNA_F
ClientSampleId :
SC-10

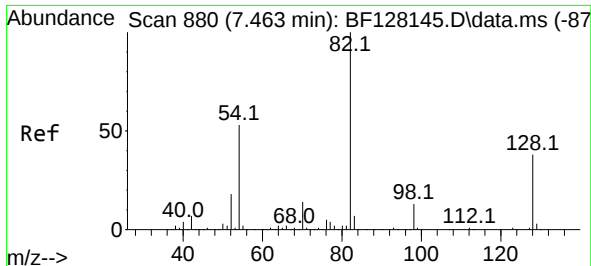
Tgt Ion: 70 Resp: 42556
Ion Ratio Lower Upper
70 100
42 49.6 48.7 73.1
101 0.0 7.2 10.8#
130 1.8 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BF128242.D
Acq: 13 May 2022 16:43

Tgt Ion: 136 Resp: 237837
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 7.8 6.8 10.2
68 5.7 5.1 7.7

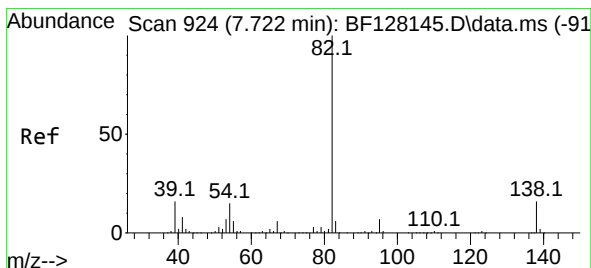
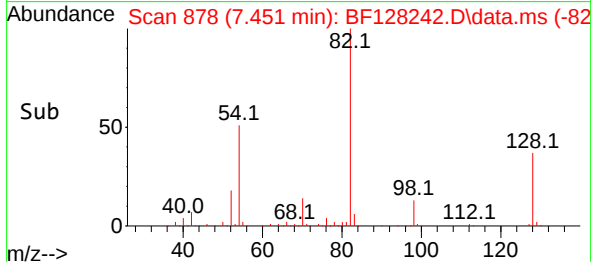
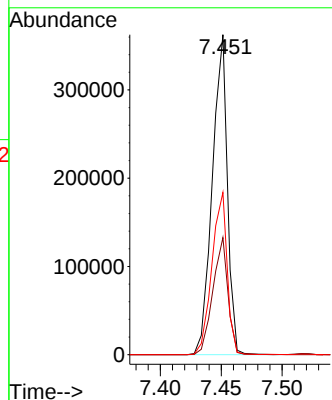
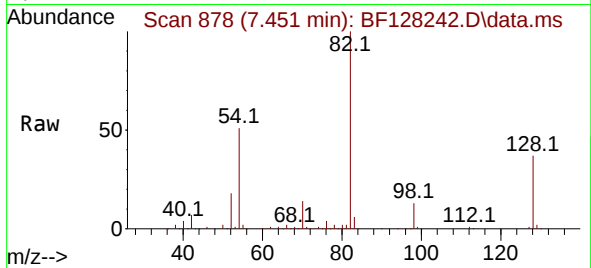




#23
Nitrobenzene-d5
Concen: 58.831 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128242.D
Acq: 13 May 2022 16:43

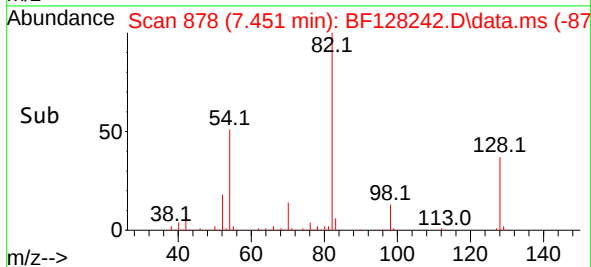
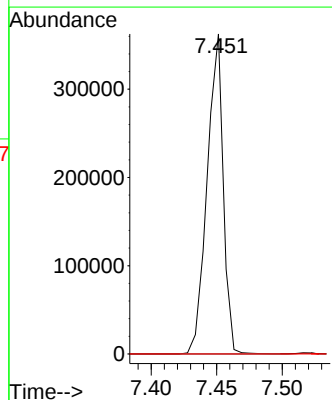
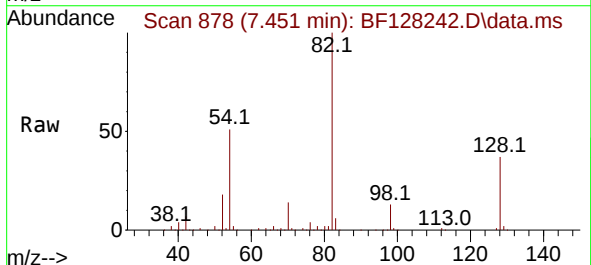
Instrument :
BNA_F
ClientSampleId :
SC-10

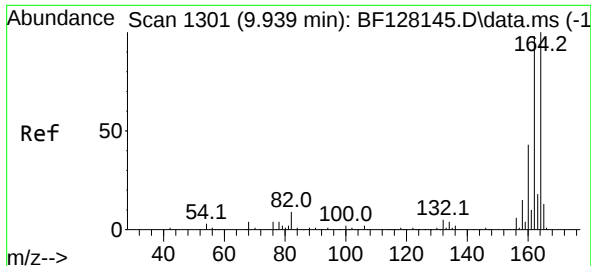
Tgt Ion: 82 Resp: 310962
Ion Ratio Lower Upper
82 100
128 36.6 30.0 45.0
54 50.7 41.3 61.9



#25
Isophorone
Concen: 37.533 ng
RT: 7.451 min Scan# 878
Delta R.T. -0.265 min
Lab File: BF128242.D
Acq: 13 May 2022 16:43

Tgt Ion: 82 Resp: 311020
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF128242.D

Acq: 13 May 2022 16:43

Instrument :

BNA_F

ClientSampleId :

SC-10

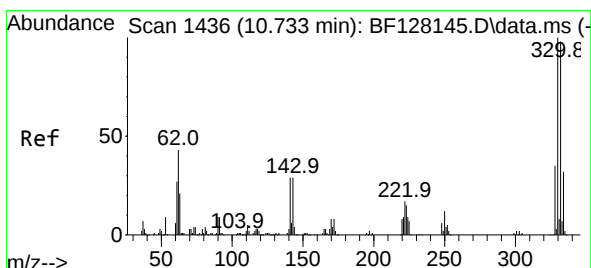
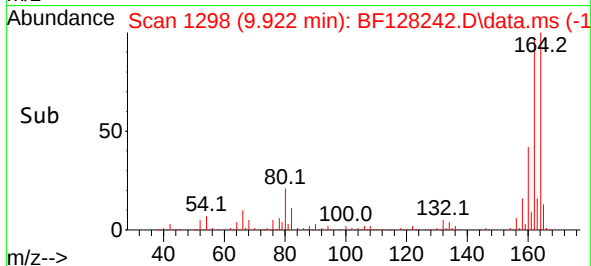
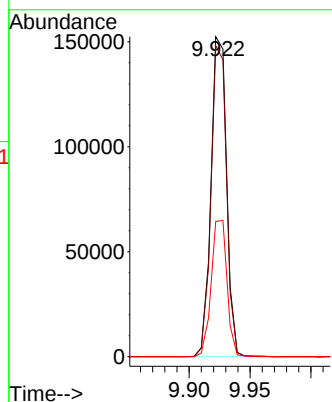
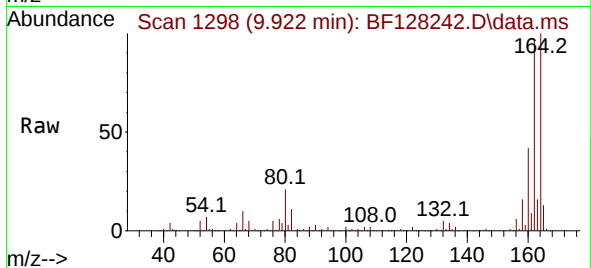
Tgt Ion:164 Resp: 135976

Ion Ratio Lower Upper

164 100

162 97.1 76.0 114.0

160 42.3 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 78.799 ng

RT: 10.716 min Scan# 1433

Delta R.T. -0.012 min

Lab File: BF128242.D

Acq: 13 May 2022 16:43

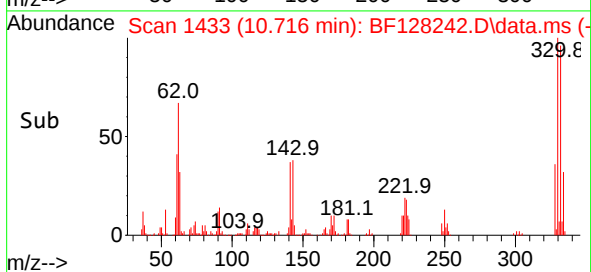
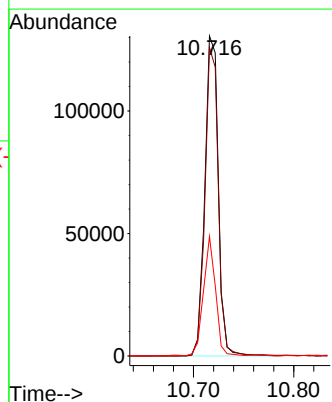
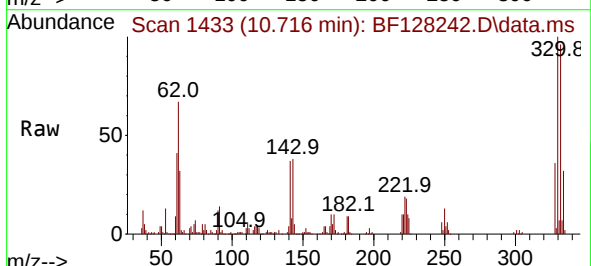
Tgt Ion:330 Resp: 122886

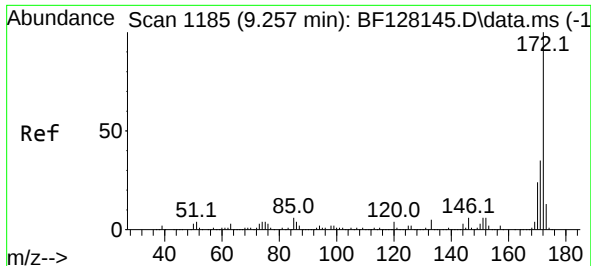
Ion Ratio Lower Upper

330 100

332 95.2 79.0 118.4

141 33.9 28.9 43.3

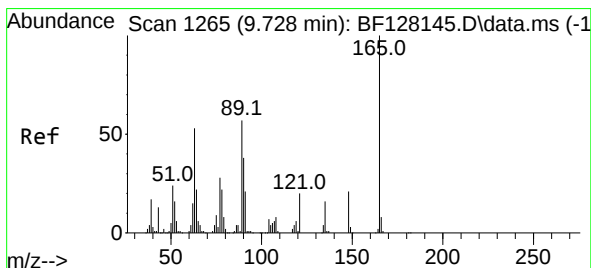
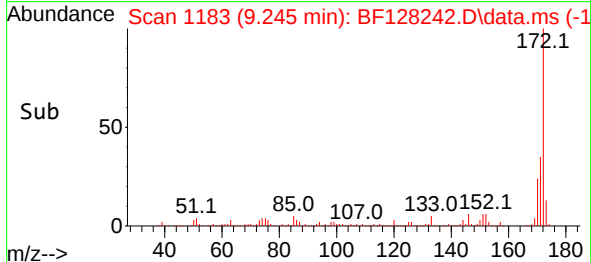
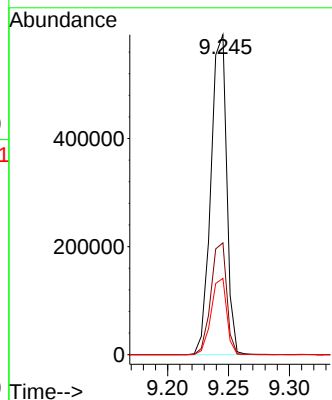
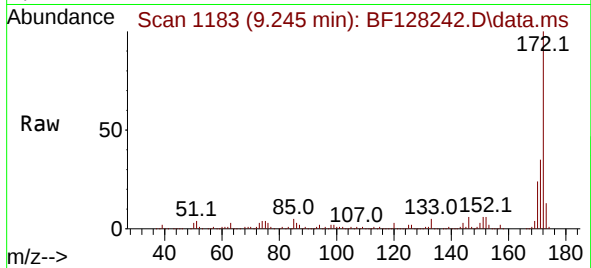




#45
2-Fluorobiphenyl
Concen: 61.359 ng
RT: 9.245 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF128242.D
Acq: 13 May 2022 16:43

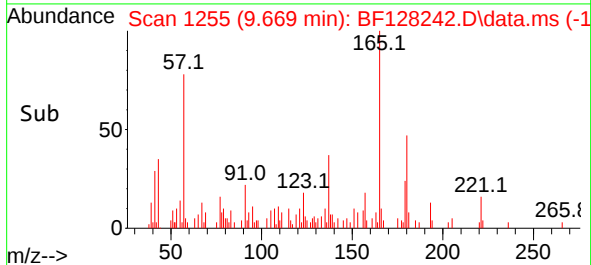
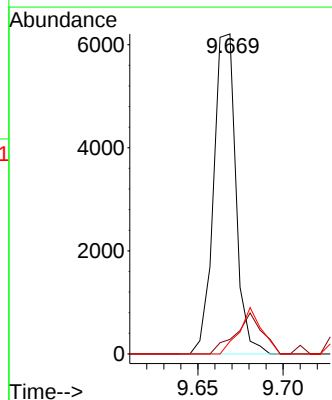
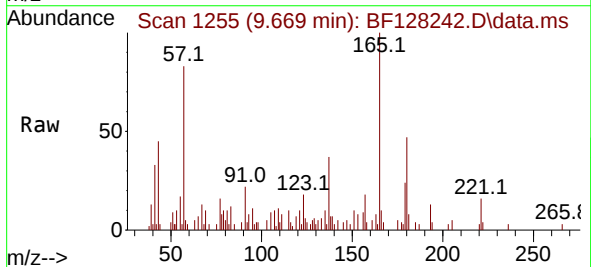
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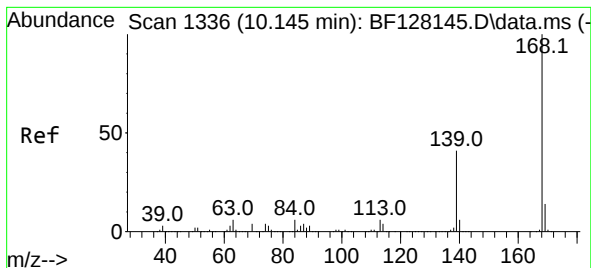
Tgt Ion:172 Resp: 533224
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.8 19.1 28.7



#51
2,6-Dinitrotoluene
Concen: 2.932 ng
RT: 9.669 min Scan# 1255
Delta R.T. -0.053 min
Lab File: BF128242.D
Acq: 13 May 2022 16:43

Tgt Ion:165 Resp: 5644
Ion Ratio Lower Upper
165 100
63 4.6 49.5 74.3#
89 3.9 49.0 73.4#





#55

Dibenzenofuran

Concen: 4.228 ng

RT: 10.128 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF128242.D

Acq: 13 May 2022 16:43

Instrument :

BNA_F

ClientSampleId :

SC-10

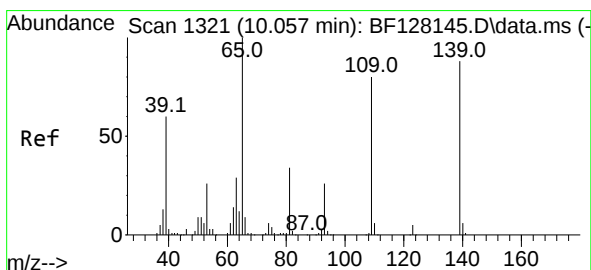
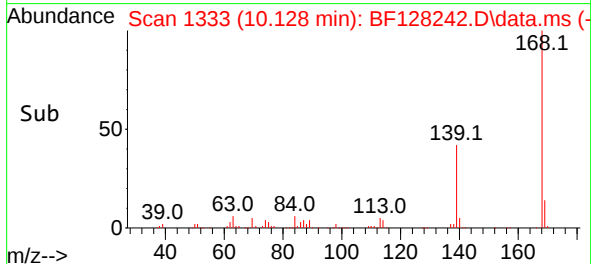
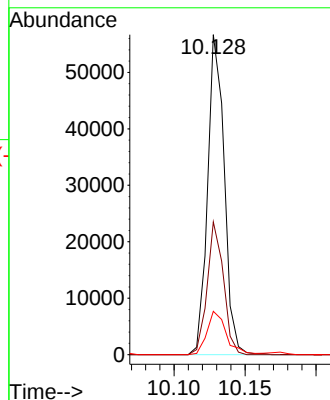
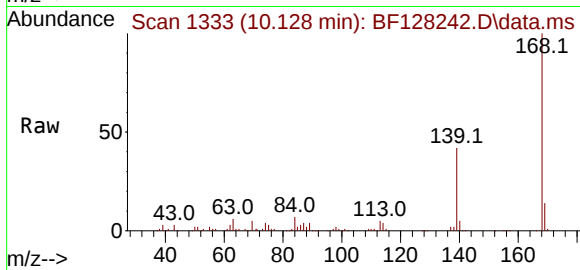
Tgt Ion:168 Resp: 46185

Ion Ratio Lower Upper

168 100

139 41.5 31.7 47.5

169 13.6 10.9 16.3



#56

4-Nitrophenol

Concen: 12.812 ng

RT: 10.128 min Scan# 1333

Delta R.T. 0.071 min

Lab File: BF128242.D

Acq: 13 May 2022 16:43

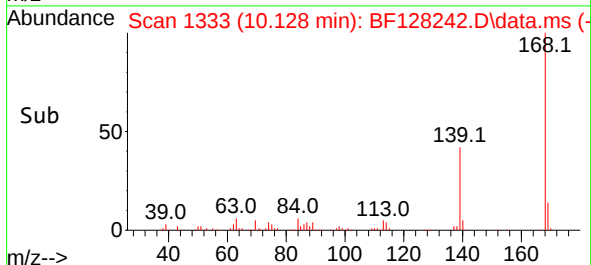
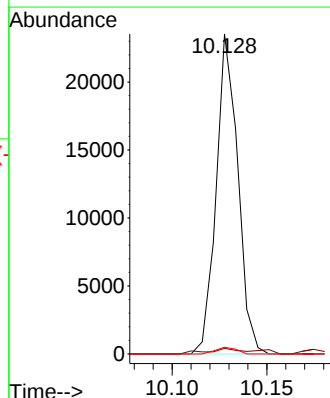
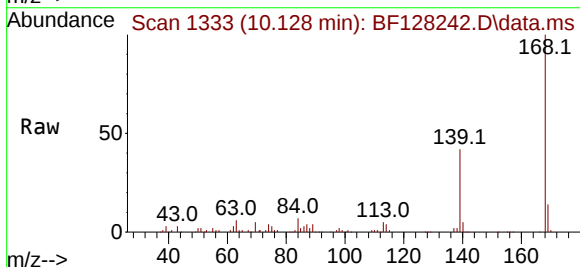
Tgt Ion:139 Resp: 18682

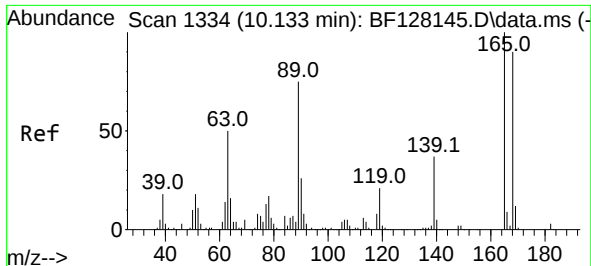
Ion Ratio Lower Upper

139 100

109 1.7 61.9 101.9#

65 2.1 93.5 133.5#

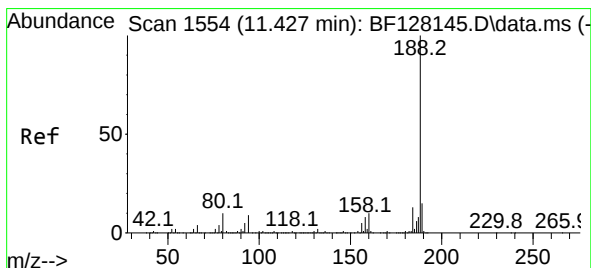
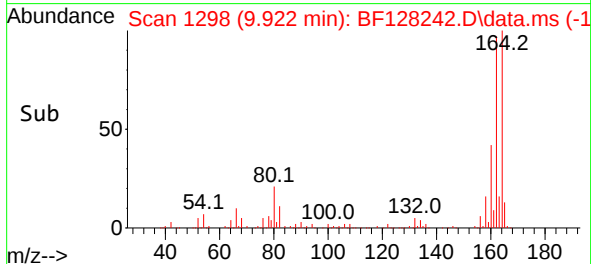
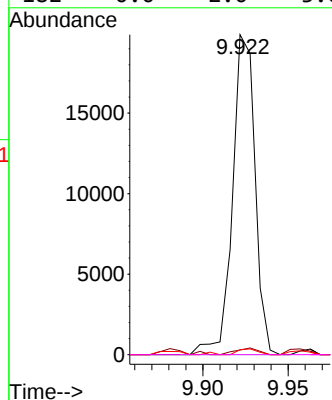
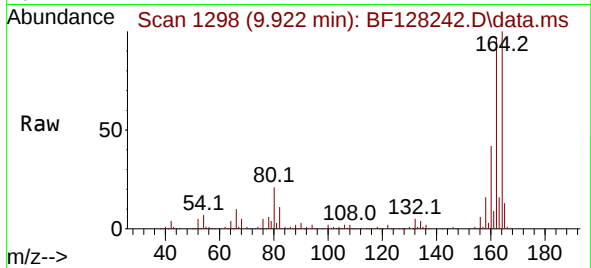




#57
2,4-Dinitrotoluene
Concen: 7.080 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF128242.D
Acq: 13 May 2022 16:43

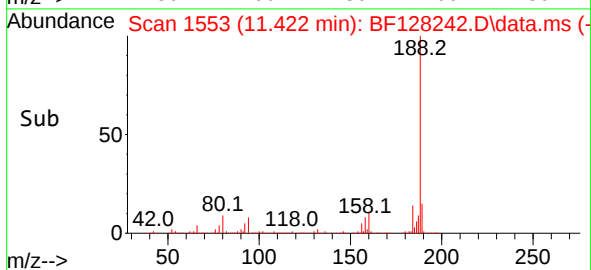
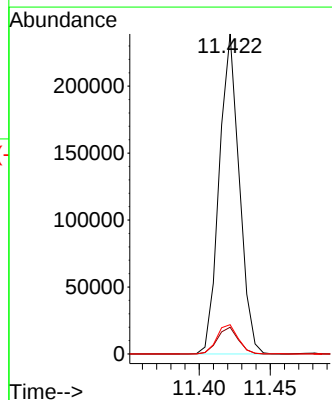
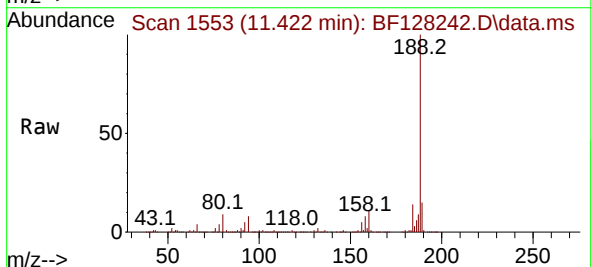
Instrument :
BNA_F
ClientSampleId :
SC-10

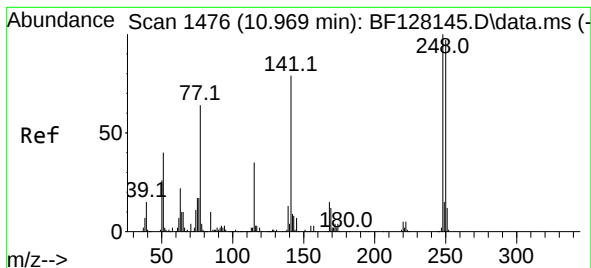
Tgt Ion:165 Resp: 18224
Ion Ratio Lower Upper
165 100
63 1.4 32.6 49.0#
89 1.5 55.2 82.8#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1553
Delta R.T. 0.000 min
Lab File: BF128242.D
Acq: 13 May 2022 16:43

Tgt Ion:188 Resp: 233941
Ion Ratio Lower Upper
188 100
94 8.3 8.0 12.0
80 9.1 8.9 13.3

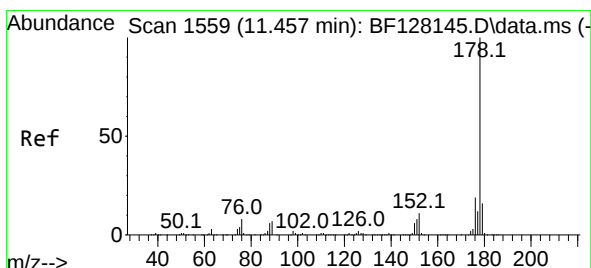
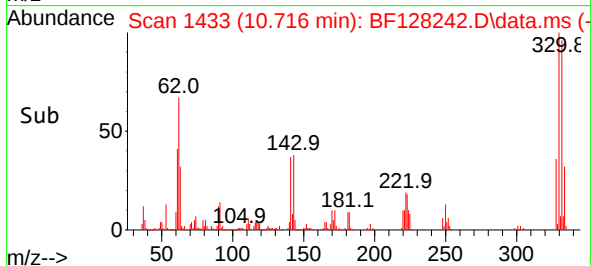
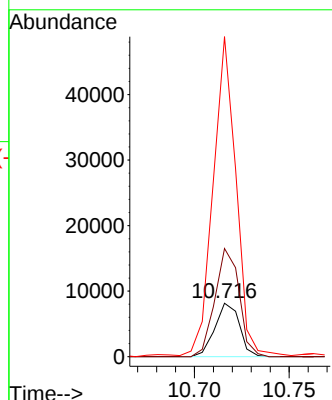
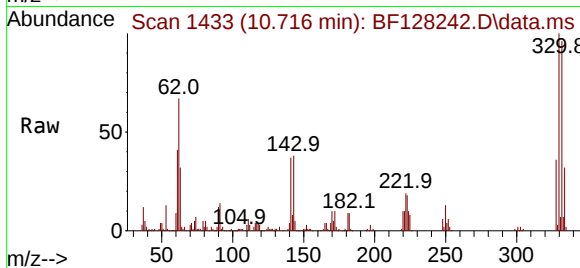




#67
4-Bromophenyl-phenylether
Concen: 2.926 ng
RT: 10.716 min Scan# 1476
Delta R.T. -0.247 min
Lab File: BF128242.D
Acq: 13 May 2022 16:43

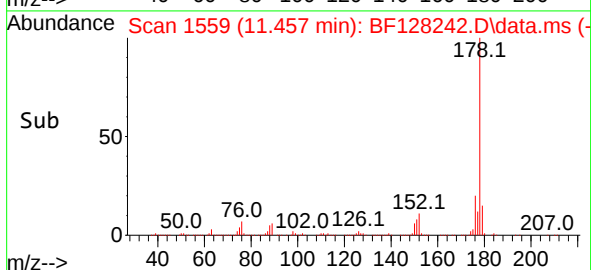
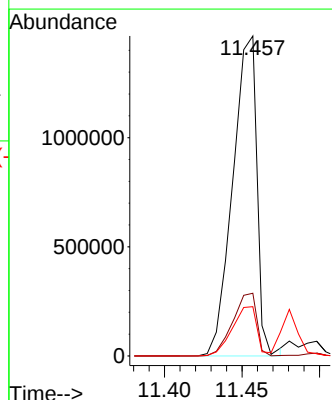
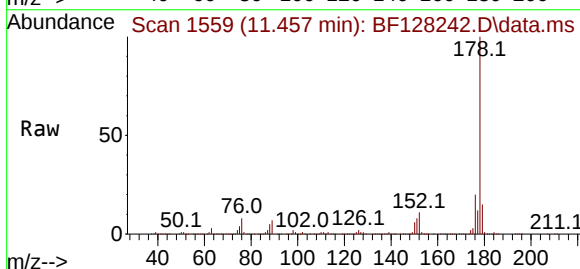
Instrument :
BNA_F
ClientSampleId :
SC-10

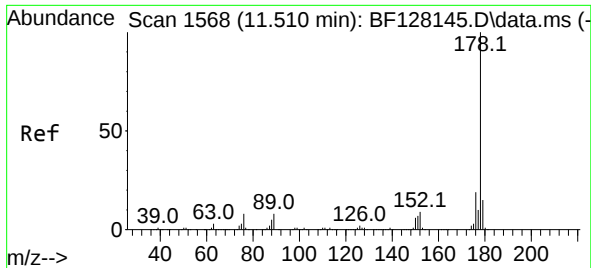
Tgt Ion:248 Resp: 7365
Ion Ratio Lower Upper
248 100
250 202.3 77.7 116.5#
141 598.1 65.6 98.4#



#71
Phenanthrene
Concen: 136.457 ng
RT: 11.457 min Scan# 1559
Delta R.T. 0.006 min
Lab File: BF128242.D
Acq: 13 May 2022 16:43

Tgt Ion:178 Resp: 1589558
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.4 12.6 19.0

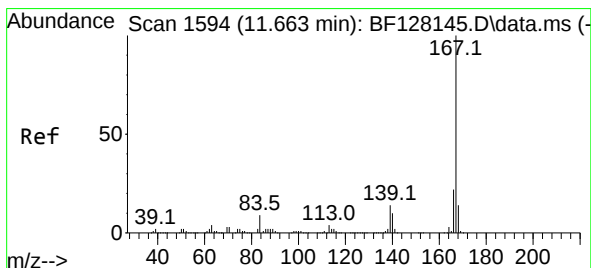
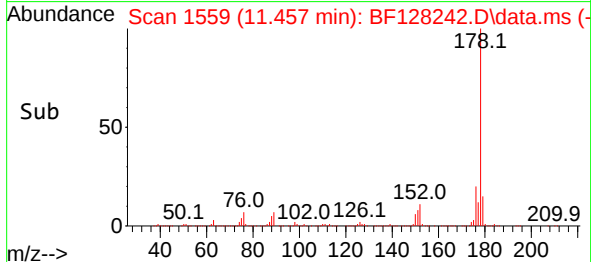
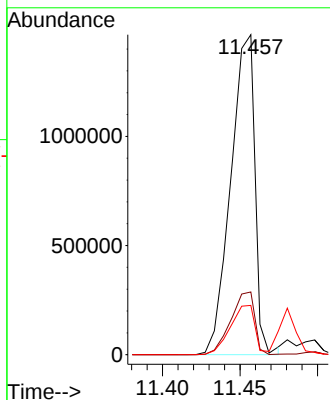
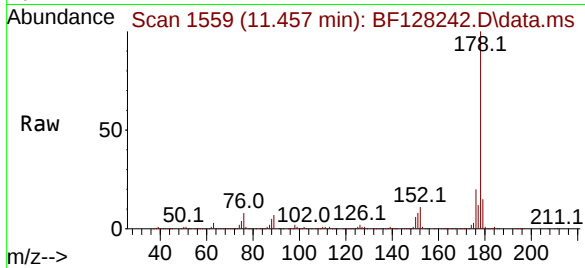




#72
 Anthracene
 Concen: 136.673 ng
 RT: 11.457 min Scan# 11
 Delta R.T. -0.047 min
 Lab File: BF128242.D
 Acq: 13 May 2022 16:43

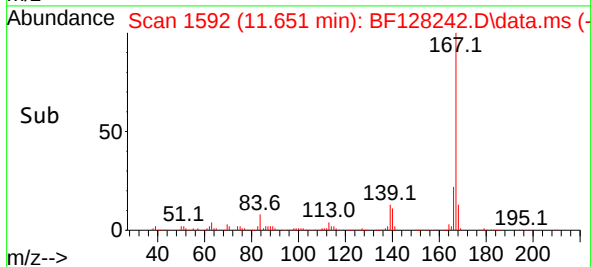
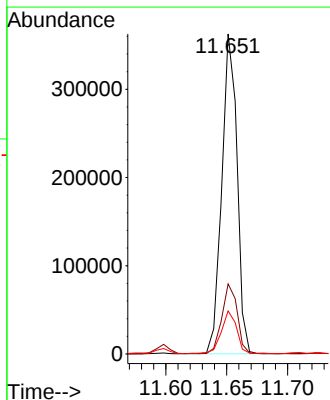
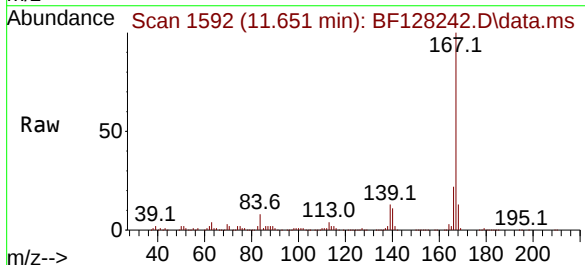
Instrument :
 BNA_F
 ClientSampleId :
 SC-10

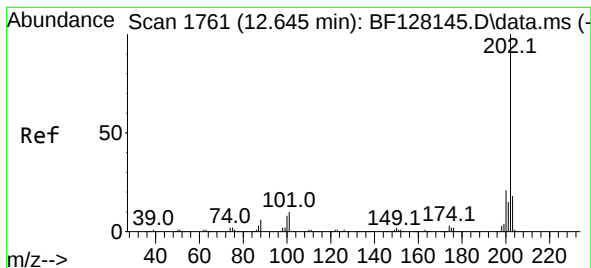
Tgt Ion:178 Resp: 1589558
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.0 22.6
 179 15.4 12.4 18.6



#73
 Carbazole
 Concen: 28.659 ng
 RT: 11.651 min Scan# 1592
 Delta R.T. -0.006 min
 Lab File: BF128242.D
 Acq: 13 May 2022 16:43

Tgt Ion:167 Resp: 316957
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.6 26.4
 139 13.5 10.7 16.1





#75

Fluoranthene

Concen: 244.806 ng

RT: 12.657 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF128242.D

Acq: 13 May 2022 16:43

Instrument :

BNA_F

ClientSampleId :

SC-10

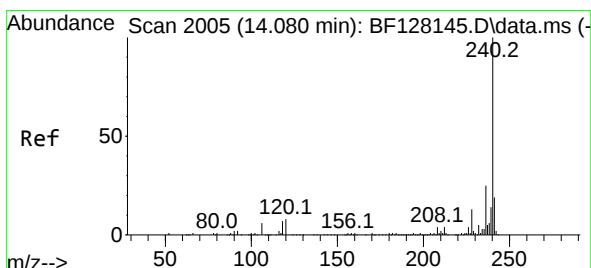
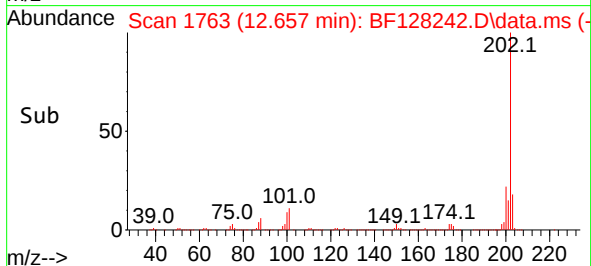
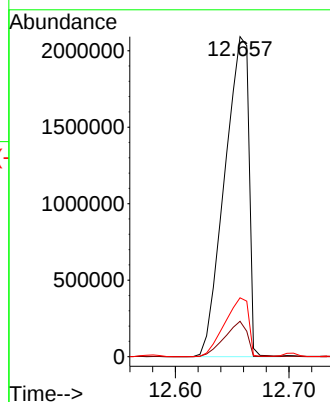
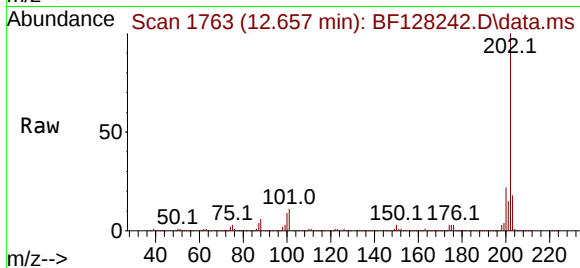
Tgt Ion:202 Resp: 3091676

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.6

203 18.4 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: BF128242.D

Acq: 13 May 2022 16:43

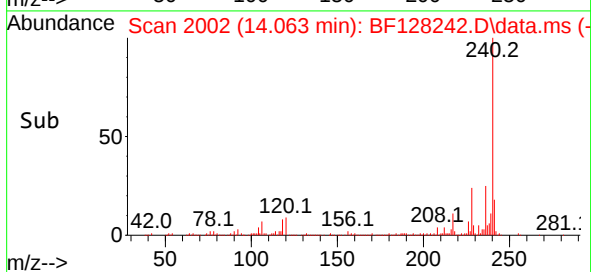
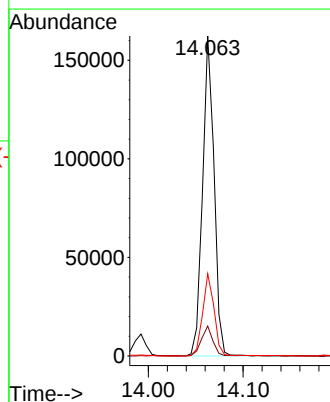
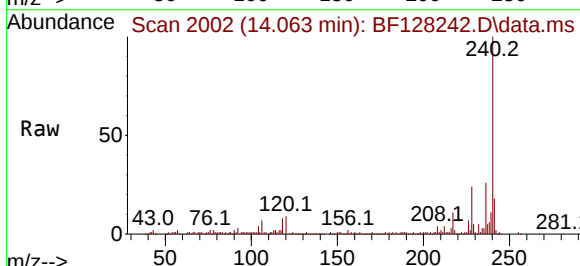
Tgt Ion:240 Resp: 136835

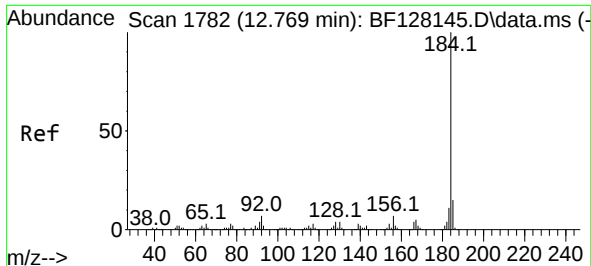
Ion Ratio Lower Upper

240 100

120 9.4 7.0 10.6

236 25.7 20.3 30.5

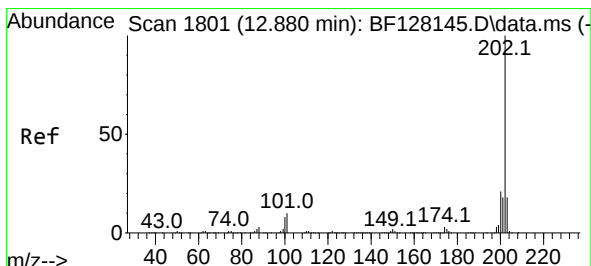
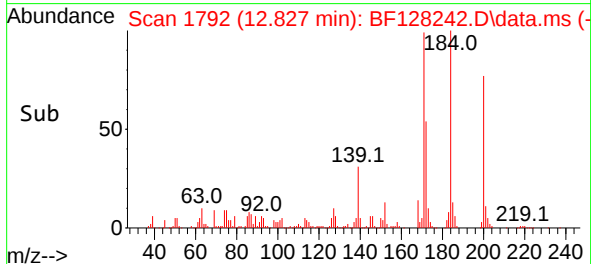
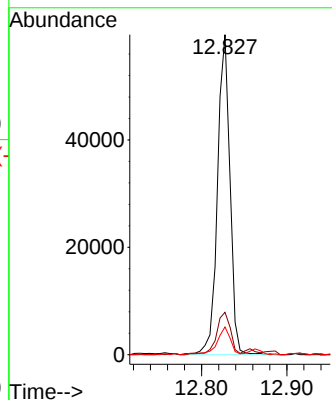
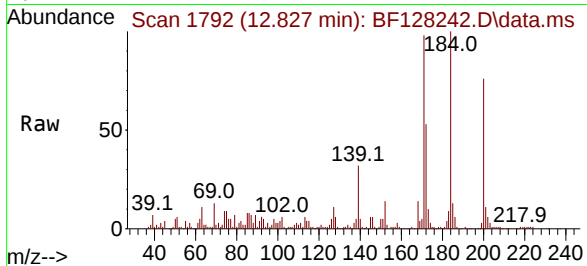




#77
Benzidine
Concen: 20.418 ng
RT: 12.827 min Scan# 1792
Delta R.T. 0.071 min
Lab File: BF128242.D
Acq: 13 May 2022 16:43

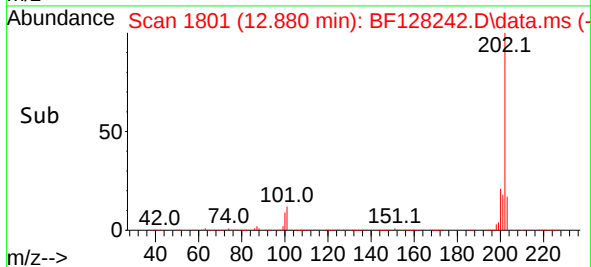
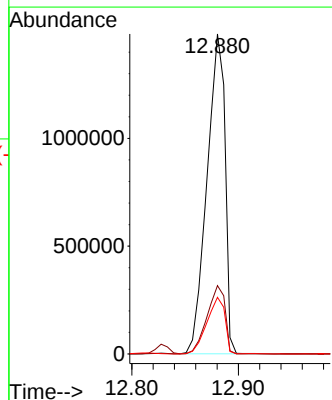
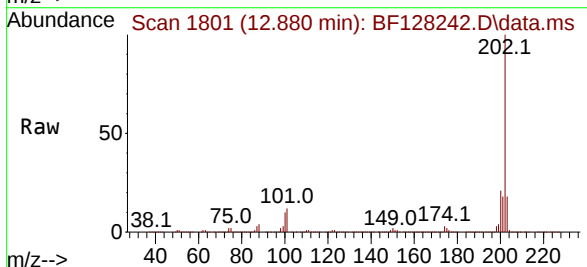
Instrument :
BNA_F
ClientSampleId :
SC-10

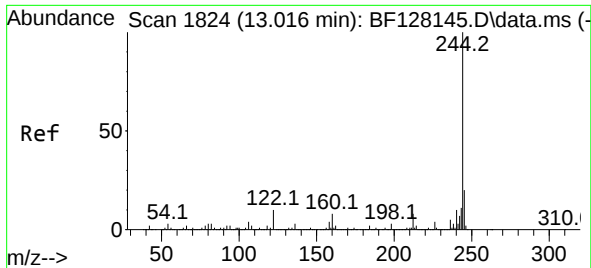
Tgt Ion:184 Resp: 60512
Ion Ratio Lower Upper
184 100
185 13.2 12.1 18.1
183 8.7 9.0 13.4#



#78
Pyrene
Concen: 176.745 ng
RT: 12.880 min Scan# 1801
Delta R.T. 0.012 min
Lab File: BF128242.D
Acq: 13 May 2022 16:43

Tgt Ion:202 Resp: 1753618
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.7 14.0 21.0

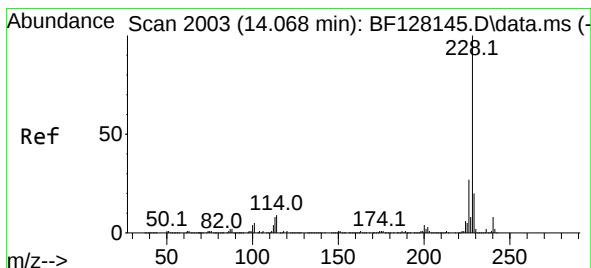
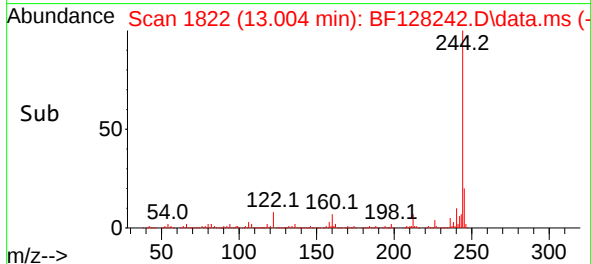
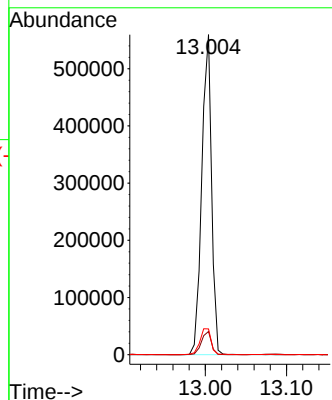
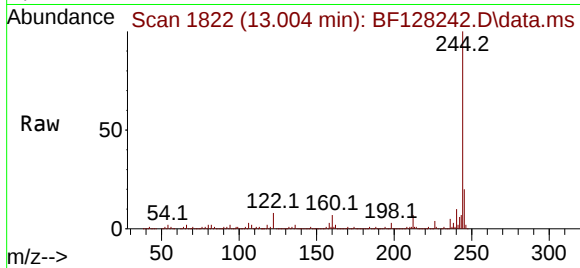




#79
 Terphenyl-d14
 Concen: 64.325 ng
 RT: 13.004 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128242.D
 Acq: 13 May 2022 16:43

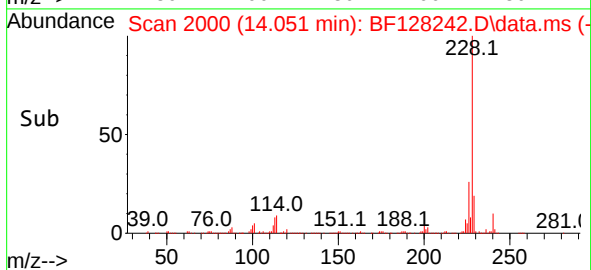
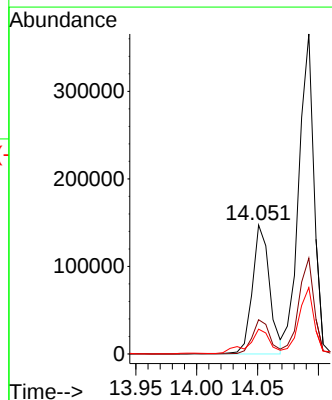
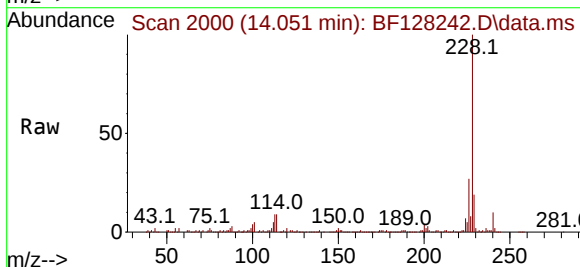
Instrument :
 BNA_F
 ClientSampleId :
 SC-10

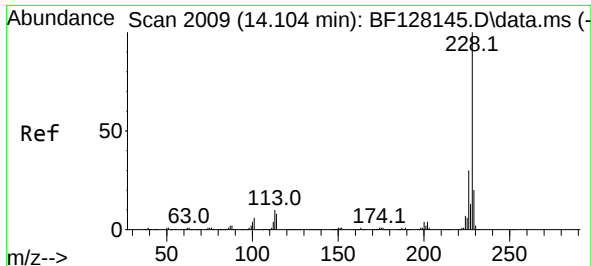
Tgt Ion:244 Resp: 469079
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.4
 122 8.0 8.6 12.8#



#81
 Benzo(a)anthracene
 Concen: 16.604 ng
 RT: 14.051 min Scan# 2000
 Delta R.T. -0.006 min
 Lab File: BF128242.D
 Acq: 13 May 2022 16:43

Tgt Ion:228 Resp: 145122
 Ion Ratio Lower Upper
 228 100
 226 26.6 21.7 32.5
 229 19.3 15.4 23.2

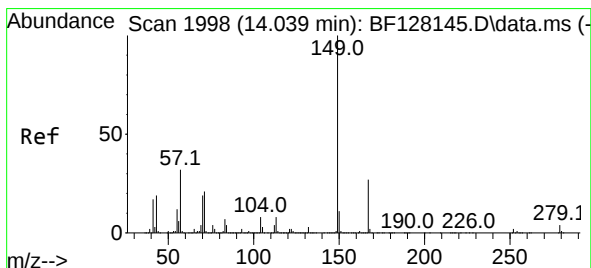
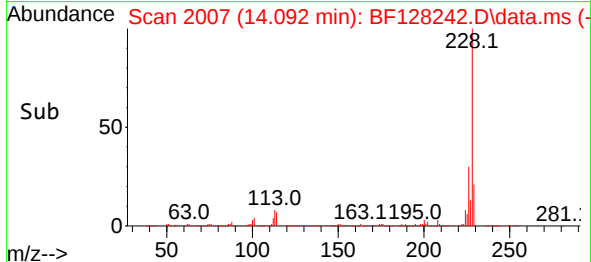
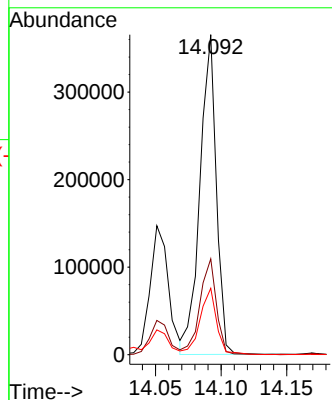
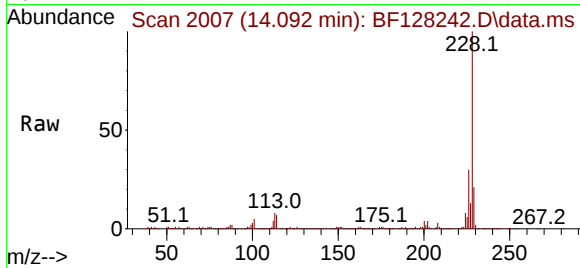




#83
Chrysene
Concen: 38.151 ng
RT: 14.092 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF128242.D
Acq: 13 May 2022 16:43

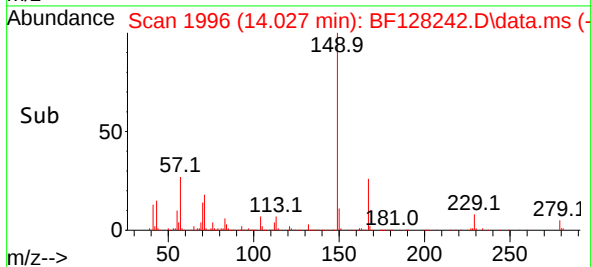
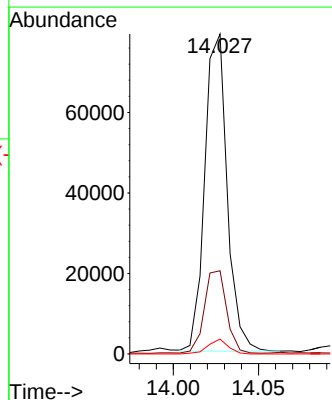
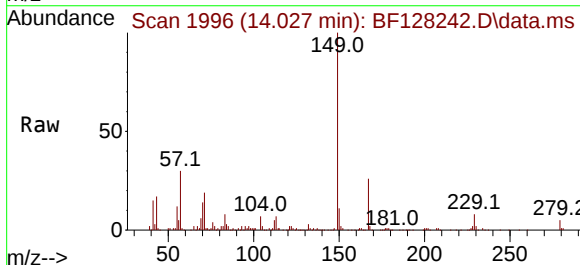
Instrument :
BNA_F
ClientSampleId :
SC-10

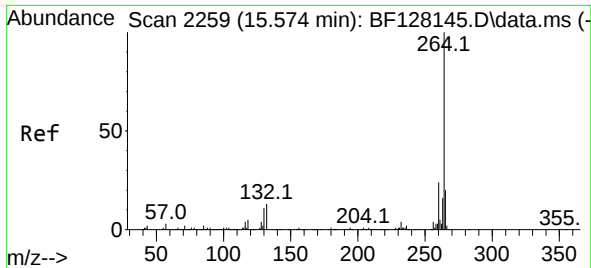
Tgt Ion:228 Resp: 318155
Ion Ratio Lower Upper
228 100
226 30.0 24.4 36.6
229 20.7 15.8 23.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 12.921 ng
RT: 14.027 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BF128242.D
Acq: 13 May 2022 16:43

Tgt Ion:149 Resp: 72013
Ion Ratio Lower Upper
149 100
167 26.0 22.0 33.0
279 4.7 3.4 5.0

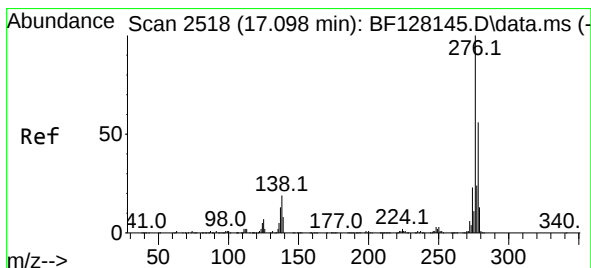
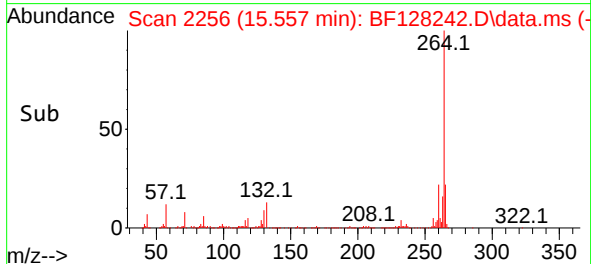
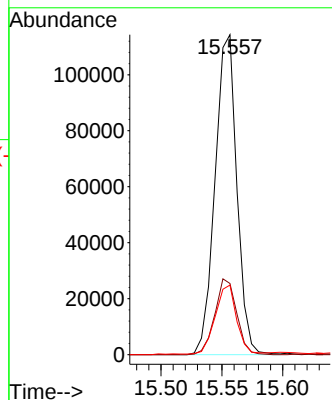
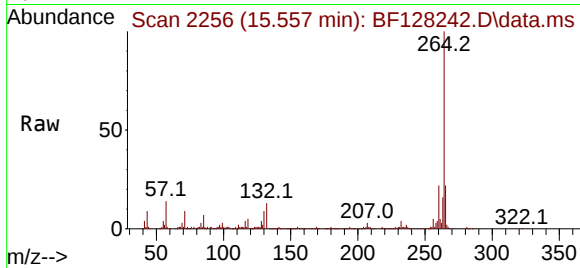




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128242.D
Acq: 13 May 2022 16:43

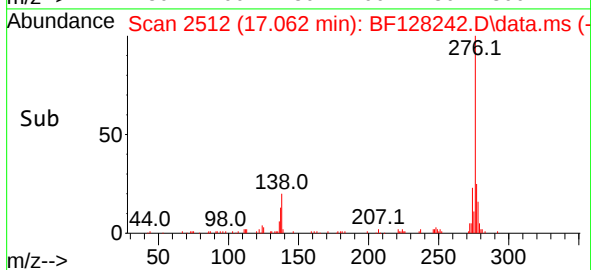
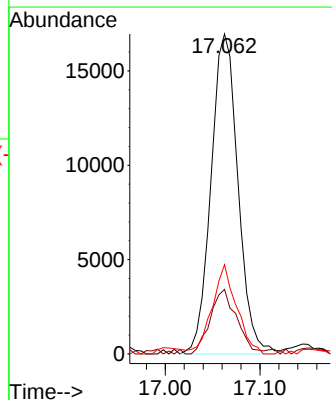
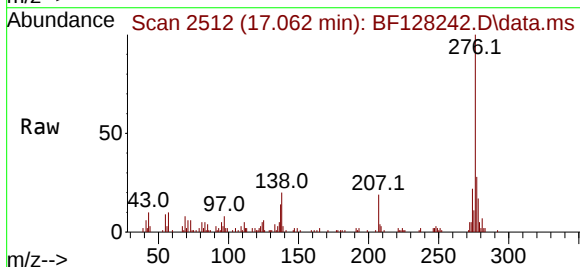
Instrument :
BNA_F
ClientSampleId :
SC-10

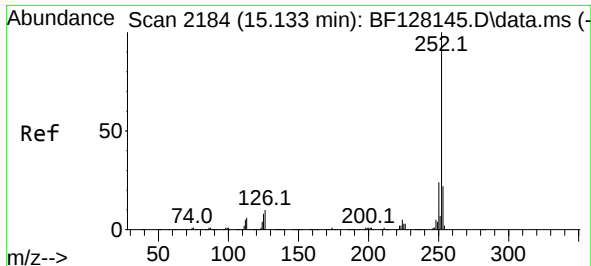
Tgt Ion:264 Resp: 142537
Ion Ratio Lower Upper
264 100
260 22.2 20.1 30.1
265 21.8 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.902 ng
RT: 17.062 min Scan# 2512
Delta R.T. -0.023 min
Lab File: BF128242.D
Acq: 13 May 2022 16:43

Tgt Ion:276 Resp: 33644
Ion Ratio Lower Upper
276 100
138 20.3 19.0 28.4
277 25.4 20.1 30.1

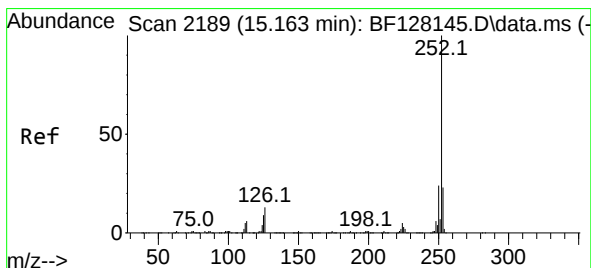
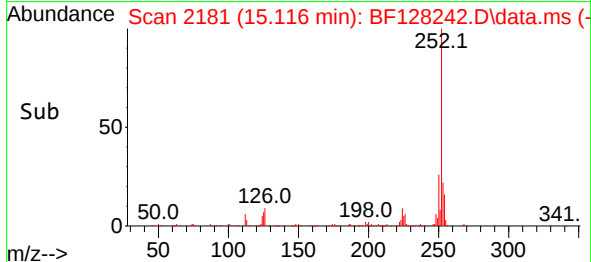
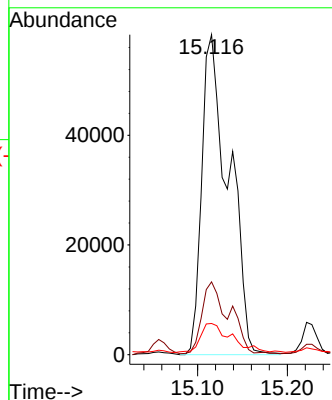
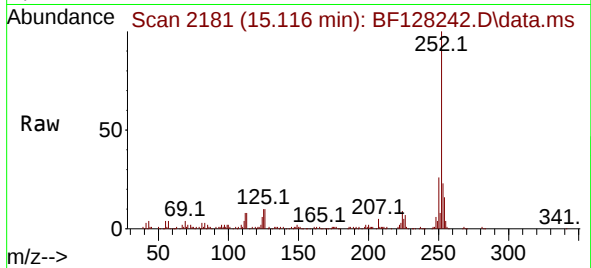




#88
Benzo(b)fluoranthene
Concen: 13.837 ng
RT: 15.116 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BF128242.D
Acq: 13 May 2022 16:43

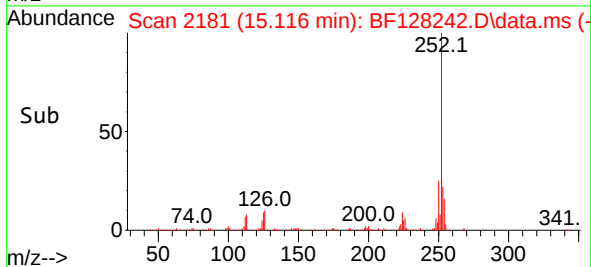
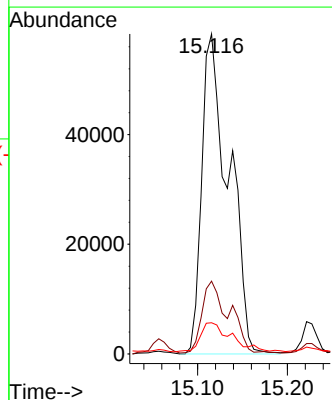
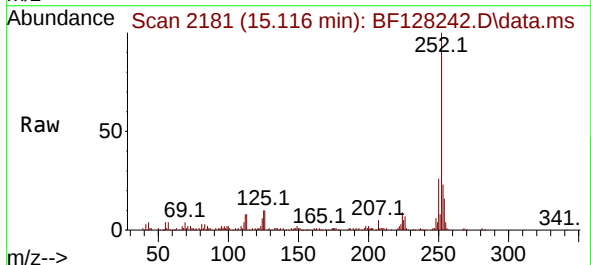
Instrument :
BNA_F
ClientSampleId :
SC-10

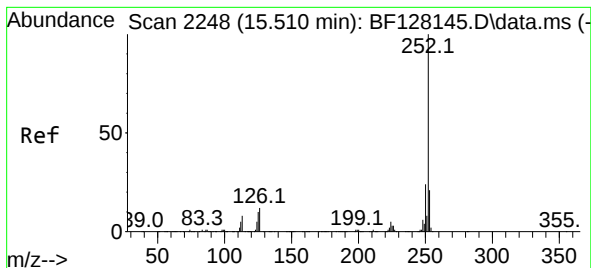
Tgt Ion:252 Resp: 122258
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 9.8 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 14.017 ng
RT: 15.116 min Scan# 2181
Delta R.T. -0.035 min
Lab File: BF128242.D
Acq: 13 May 2022 16:43

Tgt Ion:252 Resp: 122258
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 9.8 6.8 10.2





#90

Benzo(a)pyrene

Concen: 5.736 ng

RT: 15.486 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF128242.D

Acq: 13 May 2022 16:43

Instrument :

BNA_F

ClientSampleId :

SC-10

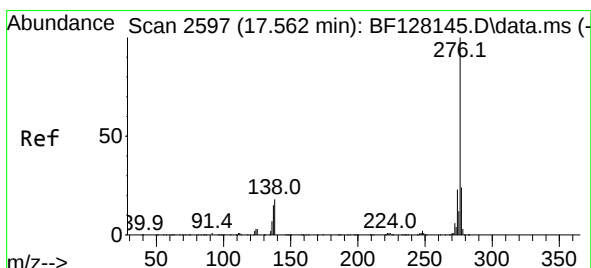
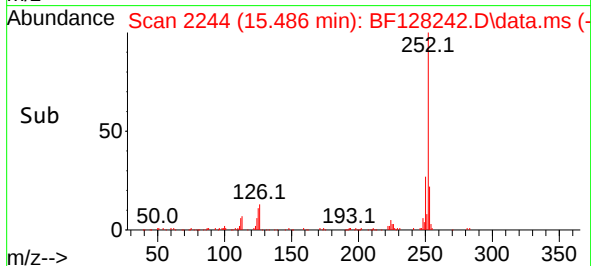
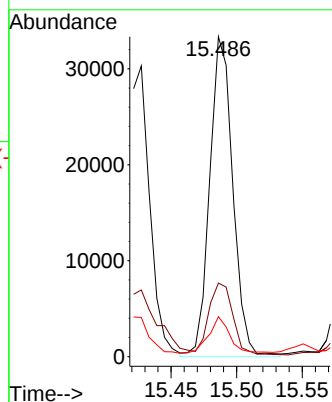
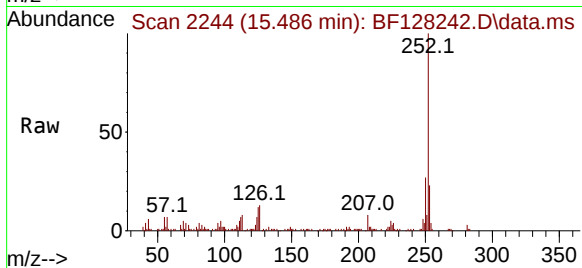
Tgt Ion:252 Resp: 40919

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

125 12.5 9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 3.985 ng

RT: 17.527 min Scan# 2591

Delta R.T. -0.023 min

Lab File: BF128242.D

Acq: 13 May 2022 16:43

Tgt Ion:276 Resp: 28163

Ion Ratio Lower Upper

276 100

277 23.4 18.8 28.2

138 23.4 16.2 24.2

