

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
 Data File : BF128110.D
 Acq On : 05 May 2022 22:46
 Operator : CG\JU
 Sample : N2691-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEEP-WC-1

Quant Time: May 06 05:03:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 05 17:56:23 2022
 Response via : Initial Calibration

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

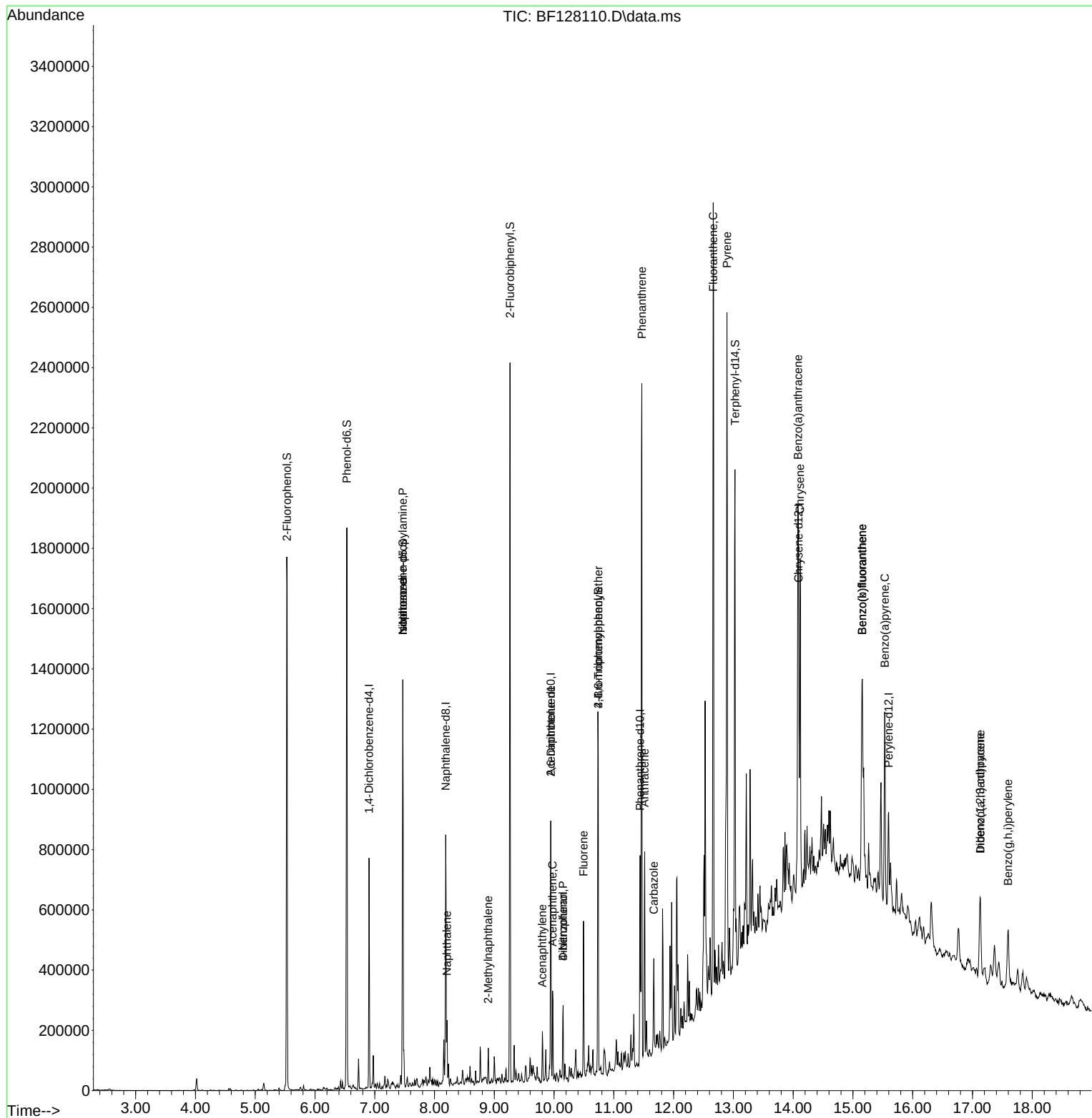
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	92109	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	331998	20.000	ng	-0.01
39) Acenaphthene-d10	9.945	164	160879	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	248210	20.000	ng	0.00
76) Chrysene-d12	14.092	240	174583	20.000	ng	0.00
86) Perylene-d12	15.598	264	122734	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	471618	81.554	ng	0.00
7) Phenol-d6	6.534	99	616940	82.218	ng	-0.01
23) Nitrobenzene-d5	7.469	82	445563	63.109	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	131919	81.456	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	647884	68.129	ng	0.00
79) Terphenyl-d14	13.027	244	551854	57.801	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.469	70	63315	13.784	ng	# 79
25) Isophorone	7.469	82	445453	37.487	ng	# 68
31) Naphthalene	8.210	128	70870	4.191	ng	99
37) 2-Methylnaphthalene	8.898	142	27723	2.481	ng	99
49) Acenaphthylene	9.804	152	55706	4.014	ng	99
51) 2,6-Dinitrotoluene	9.945	165	23061	9.872	ng	# 22
52) Acenaphthene	9.974	154	58969	6.321	ng	99
55) Dibenzofuran	10.151	168	81756	6.074	ng	97
56) 4-Nitrophenol	10.151	139	31593	15.949	ng	# 3
58) Fluorene	10.492	166	127445	12.688	ng	99
67) 4-Bromophenyl-phenylether	10.739	248	8210	2.984	ng	# 1
71) Phenanthrene	11.468	178	854701	65.783	ng	99
72) Anthracene	11.516	178	244533	18.894	ng	99
73) Carbazole	11.668	167	101508	8.138	ng	99
75) Fluoranthene	12.663	202	1152273	84.266	ng	99
78) Pyrene	12.892	202	949252	67.355	ng	99
81) Benzo(a)anthracene	14.080	228	507256	43.592	ng	95
83) Chrysene	14.115	228	443824	39.936	ng	97
87) Indeno(1,2,3-cd)pyrene	17.127	276	175712	21.449	ng	# 95
88) Benzo(b)fluoranthene	15.156	252	604087	78.363	ng	96
89) Benzo(k)fluoranthene	15.156	252	604087	77.782	ng	94
90) Benzo(a)pyrene	15.533	252	289482	45.272	ng	96
91) Dibenzo(a,h)anthracene	17.133	278	48939	7.449	ng	# 84
92) Benzo(g,h,i)perylene	17.598	276	162908	23.528	ng	97

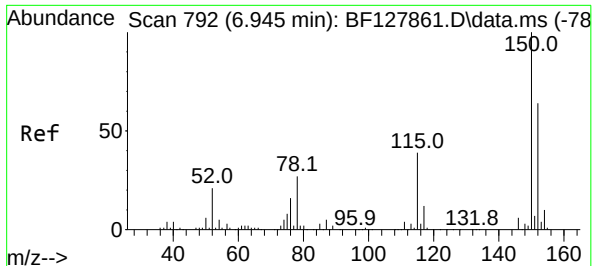
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 05 17:56:23 2022
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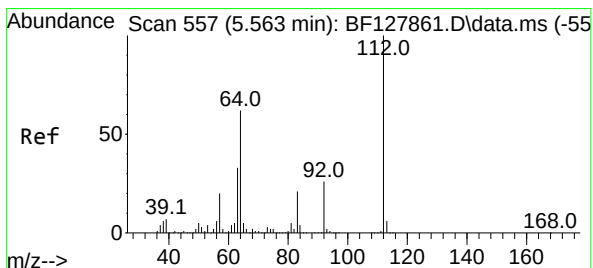
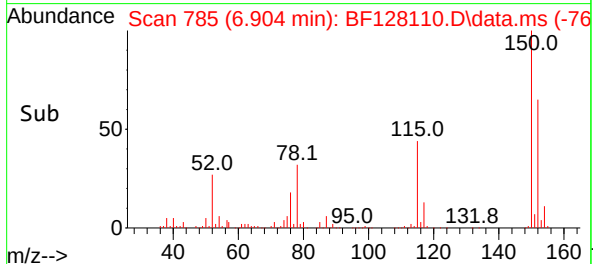
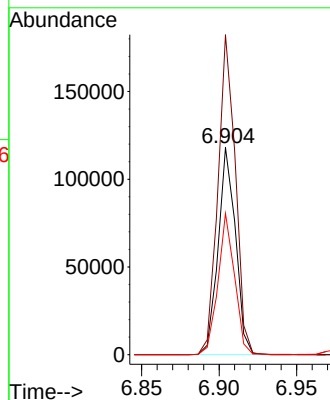
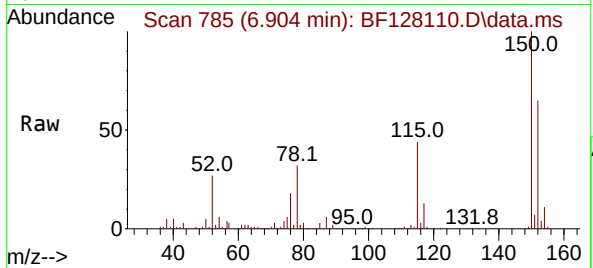




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

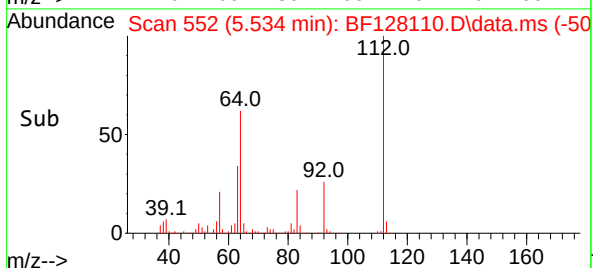
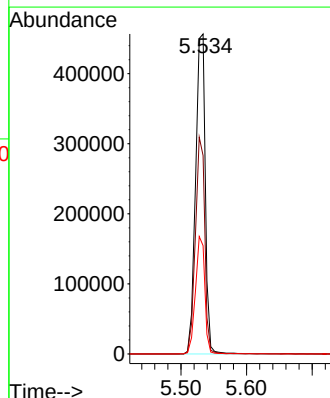
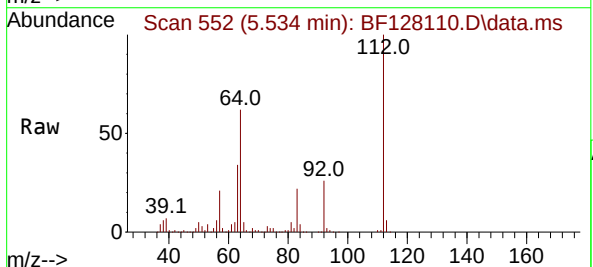
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1

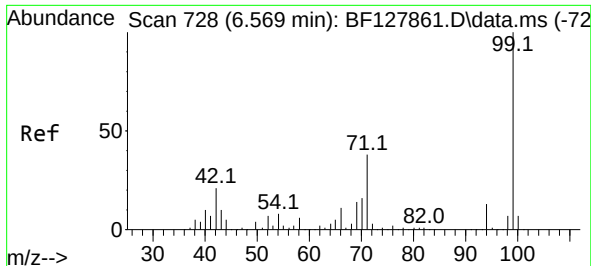
Tgt Ion:152 Resp: 92109
Ion Ratio Lower Upper
152 100
150 154.5 125.3 187.9
115 68.2 48.8 73.2



#5
2-Fluorophenol
Concen: 81.554 ng
RT: 5.534 min Scan# 552
Delta R.T. -0.000 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Tgt Ion:112 Resp: 471618
Ion Ratio Lower Upper
112 100
64 62.0 49.5 74.3
63 33.9 26.3 39.5

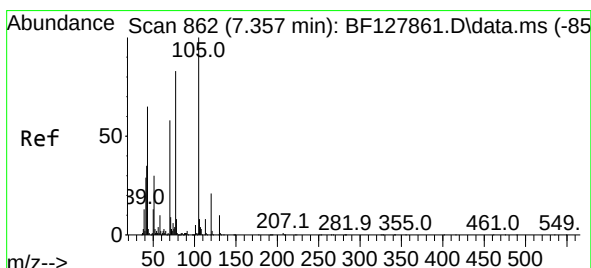
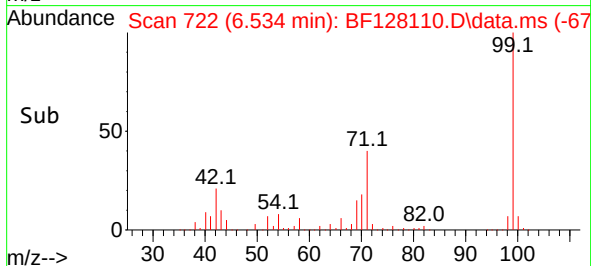
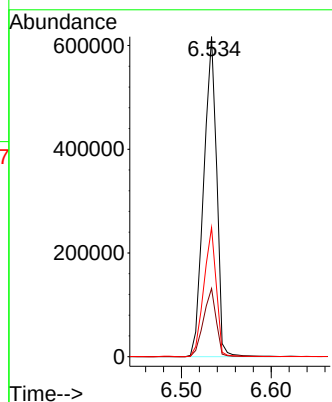
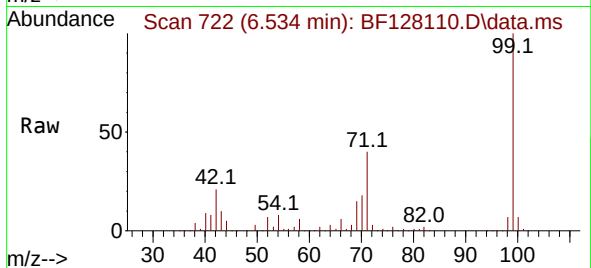




#7
Phenol-d6
Concen: 82.218 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

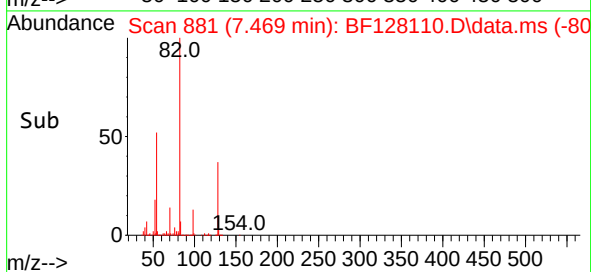
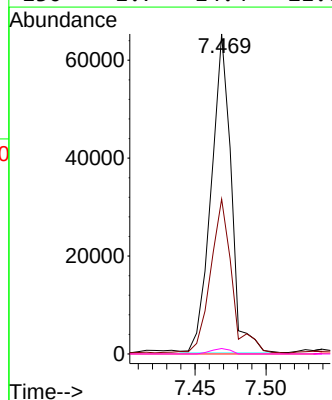
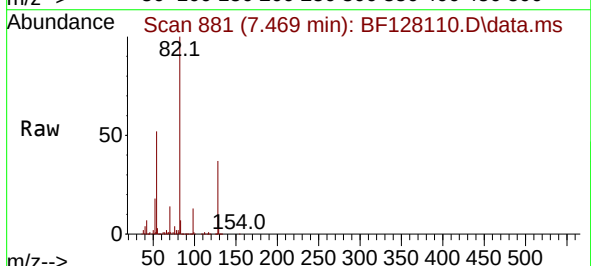
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1

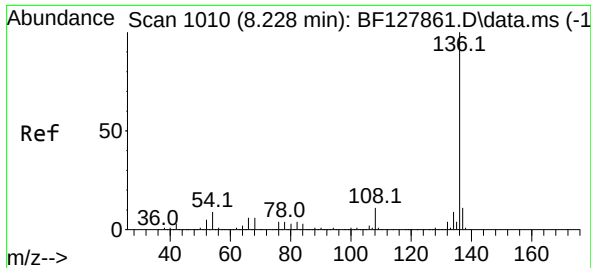
Tgt Ion: 99 Resp: 616940
Ion Ratio Lower Upper
99 100
42 21.3 16.6 24.8
71 40.3 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.784 ng
RT: 7.469 min Scan# 881
Delta R.T. 0.141 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Tgt Ion: 70 Resp: 63315
Ion Ratio Lower Upper
70 100
42 48.4 48.7 73.1#
101 0.0 7.2 10.8#
130 1.7 14.4 21.6#



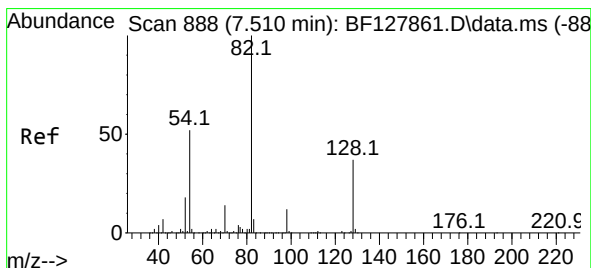
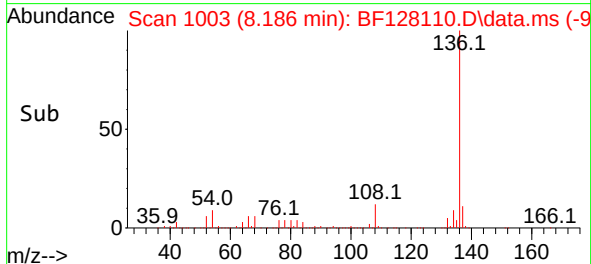
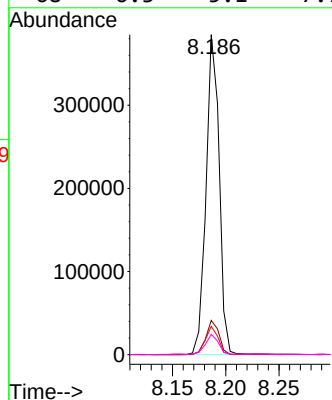
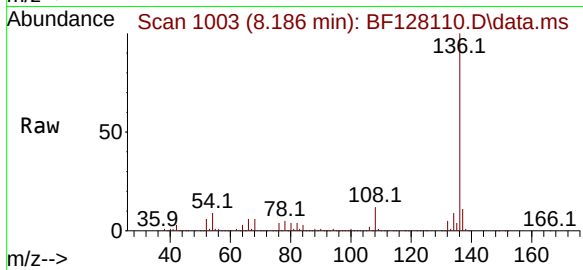


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1

Tgt Ion:136 Resp: 331998

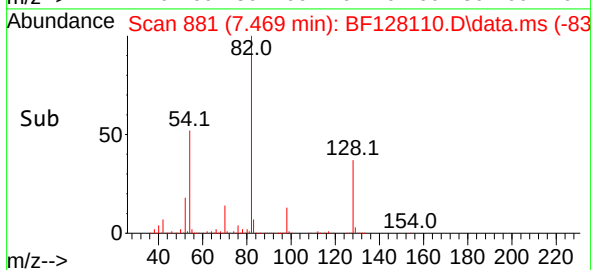
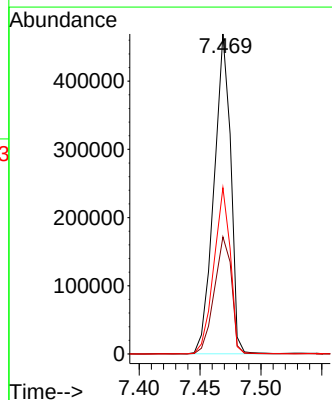
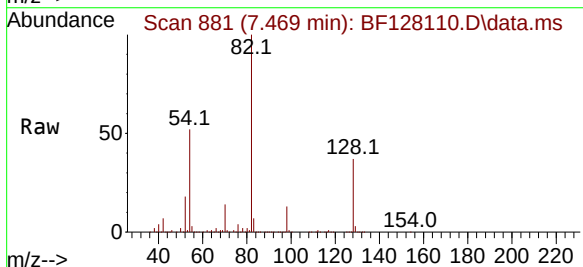
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.8	6.8	10.2
68	6.3	5.1	7.7

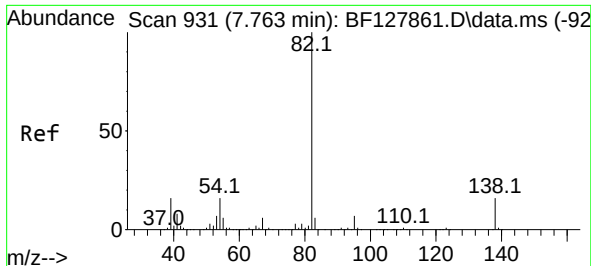


#23
Nitrobenzene-d5
Concen: 63.109 ng
RT: 7.469 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Tgt Ion: 82 Resp: 445563

Ion	Ratio	Lower	Upper
82	100		
128	36.6	30.0	45.0
54	52.0	41.3	61.9

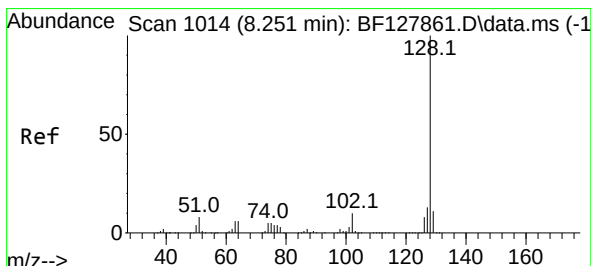
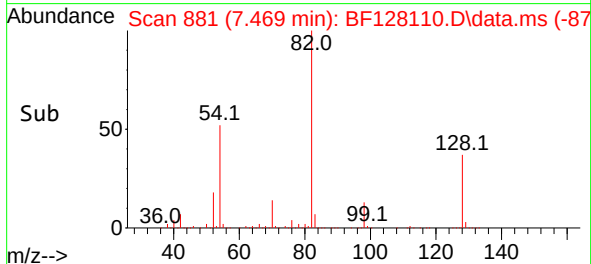
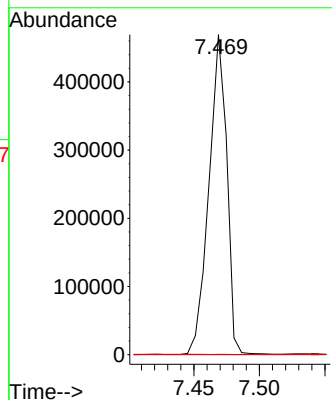
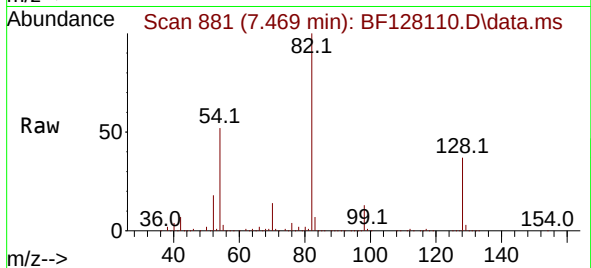




#25
Isophorone
Concen: 37.487 ng
RT: 7.469 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

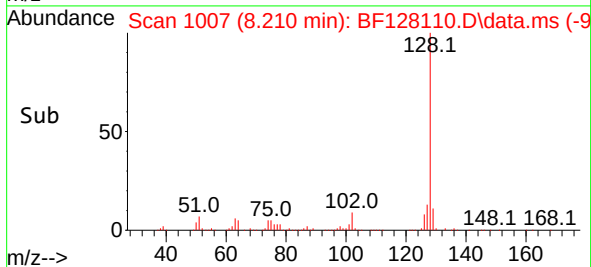
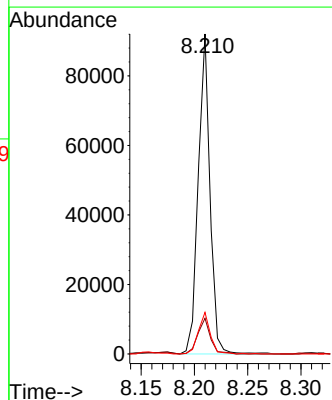
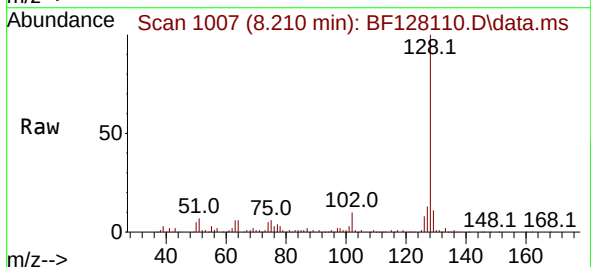
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1

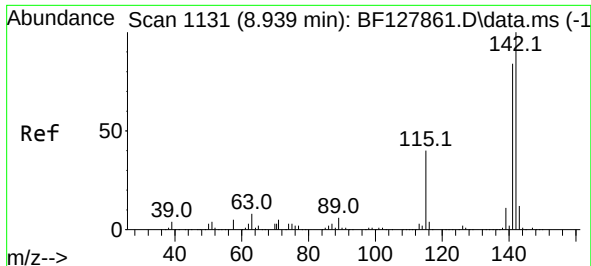
Tgt Ion: 82 Resp: 445453
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 12.5 18.7#



#31
Naphthalene
Concen: 4.191 ng
RT: 8.210 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Tgt Ion: 128 Resp: 70870
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.0 10.6 16.0





#37

2-Methylnaphthalene

Concen: 2.481 ng

RT: 8.898 min Scan# 1124

Delta R.T. -0.012 min

Lab File: BF128110.D

Acq: 05 May 2022 22:46

Instrument :

BNA_F

ClientSampleId :

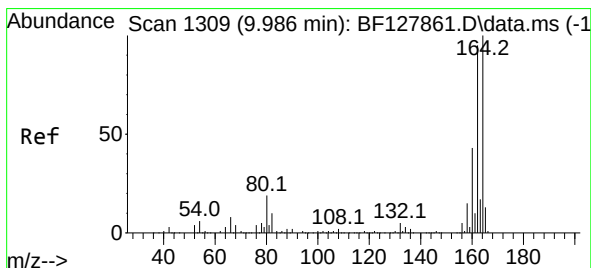
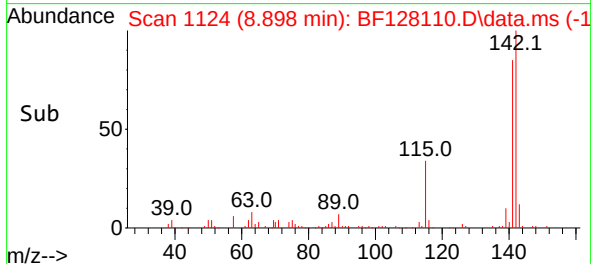
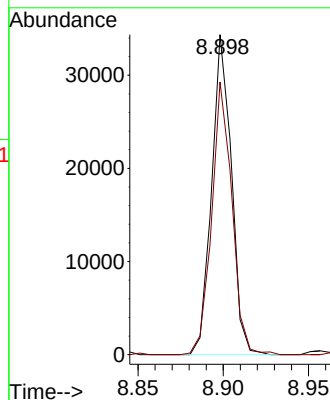
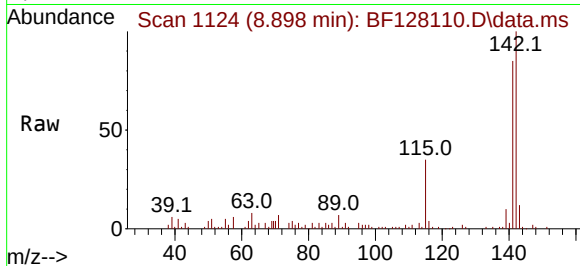
DEEP-WC-1

Tgt Ion:142 Resp: 27723

Ion Ratio Lower Upper

142 100

141 85.2 67.4 101.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.945 min Scan# 1302

Delta R.T. -0.006 min

Lab File: BF128110.D

Acq: 05 May 2022 22:46

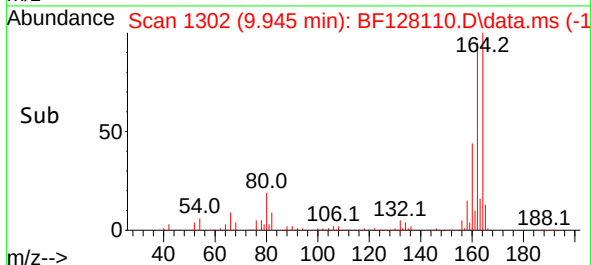
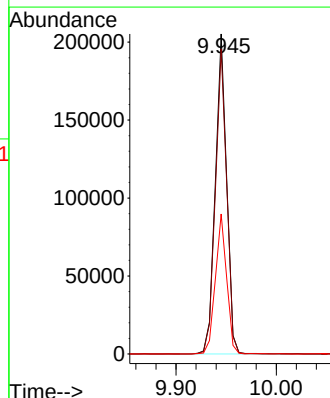
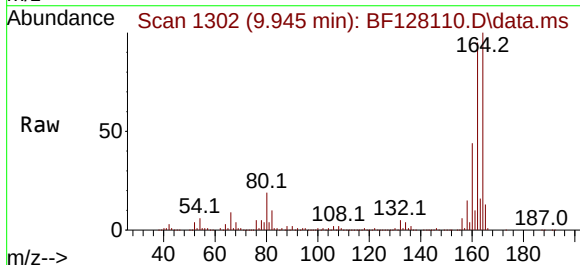
Tgt Ion:164 Resp: 160879

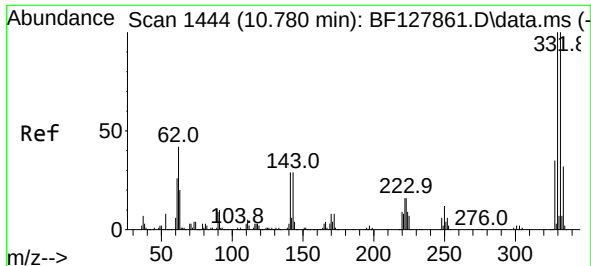
Ion Ratio Lower Upper

164 100

162 95.3 76.0 114.0

160 43.8 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 81.456 ng

RT: 10.739 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF128110.D

Acq: 05 May 2022 22:46

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1

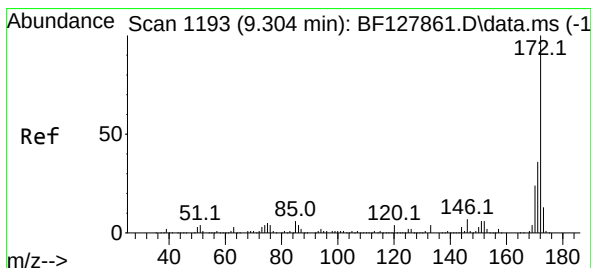
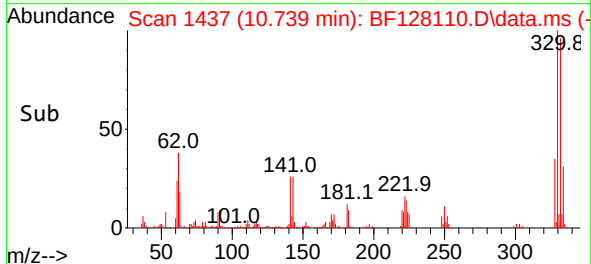
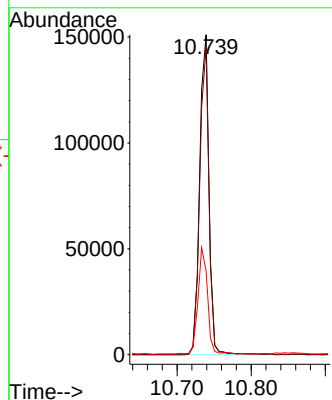
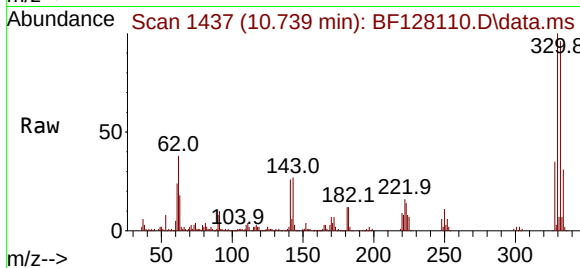
Tgt Ion:330 Resp: 131919

Ion Ratio Lower Upper

330 100

332 95.5 79.0 118.4

141 33.8 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 68.129 ng

RT: 9.263 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF128110.D

Acq: 05 May 2022 22:46

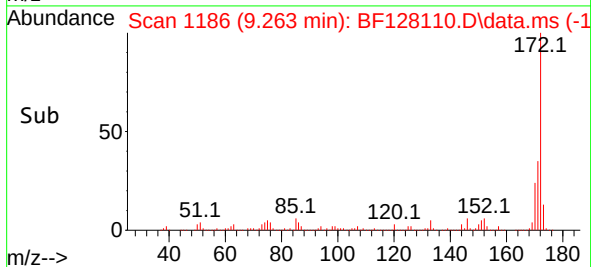
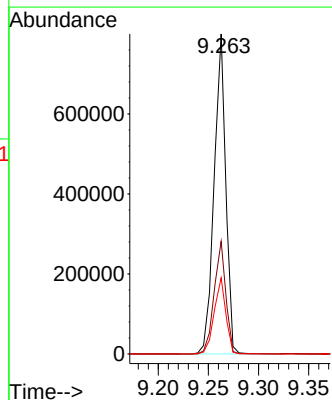
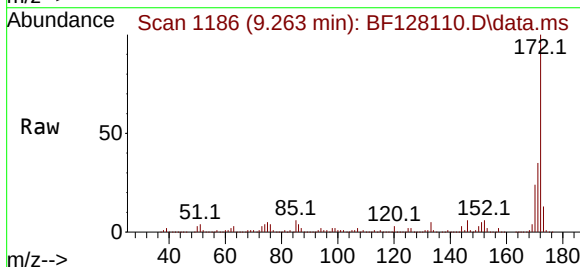
Tgt Ion:172 Resp: 647884

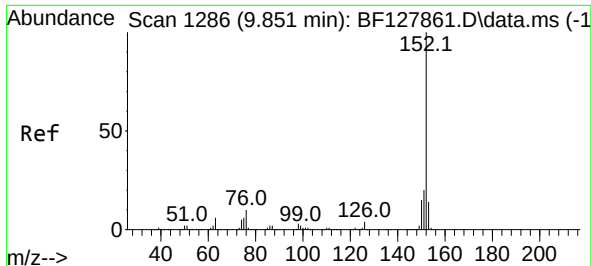
Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 23.8 19.1 28.7





#49

Acenaphthylene

Concen: 4.014 ng

RT: 9.804 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF128110.D

Acq: 05 May 2022 22:46

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1

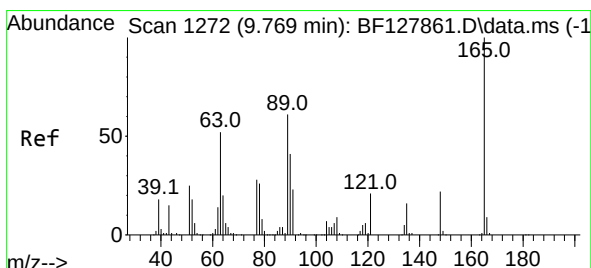
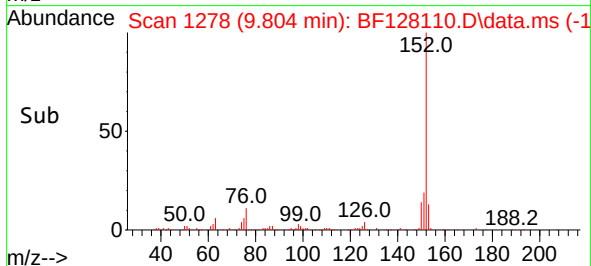
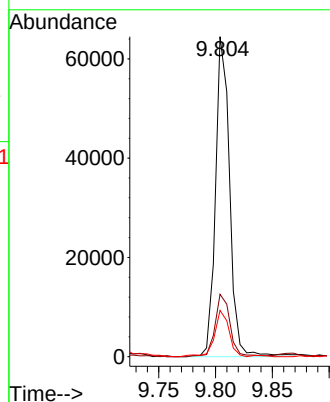
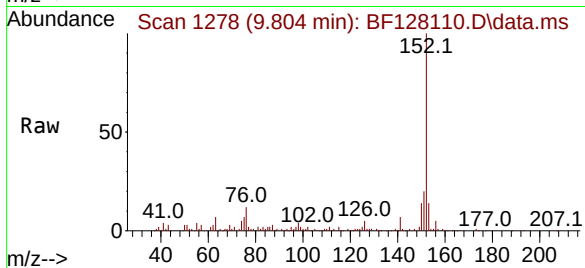
Tgt Ion:152 Resp: 55706

Ion Ratio Lower Upper

152 100

151 19.5 16.2 24.2

153 14.4 11.2 16.8



#51

2,6-Dinitrotoluene

Concen: 9.872 ng

RT: 9.945 min Scan# 1302

Delta R.T. 0.206 min

Lab File: BF128110.D

Acq: 05 May 2022 22:46

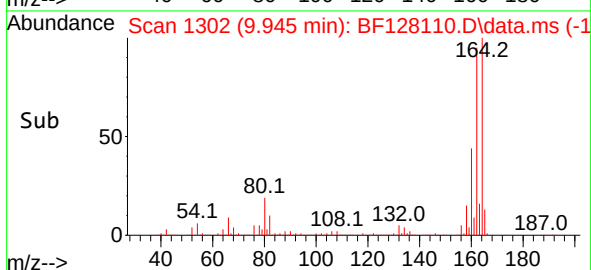
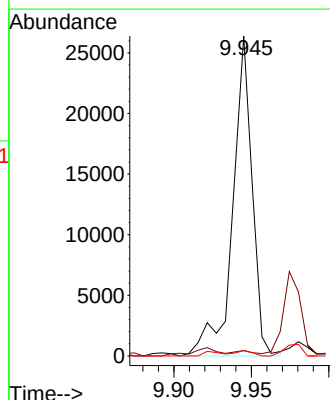
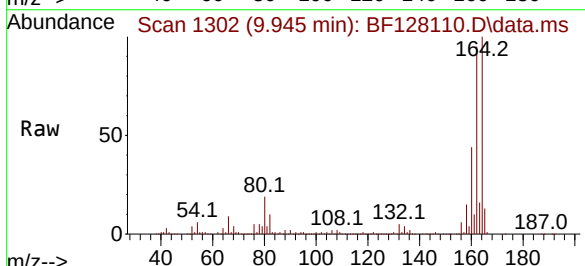
Tgt Ion:165 Resp: 23061

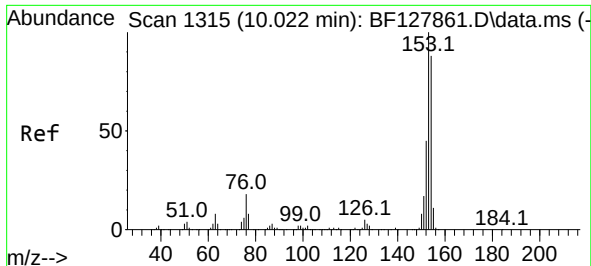
Ion Ratio Lower Upper

165 100

63 1.7 49.5 74.3#

89 1.7 49.0 73.4#

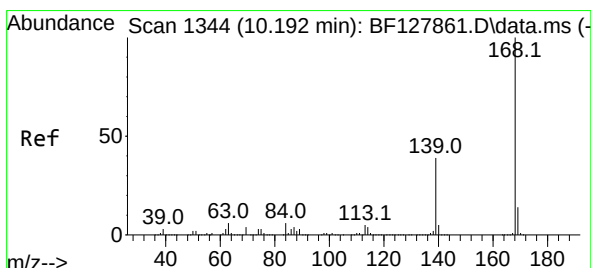
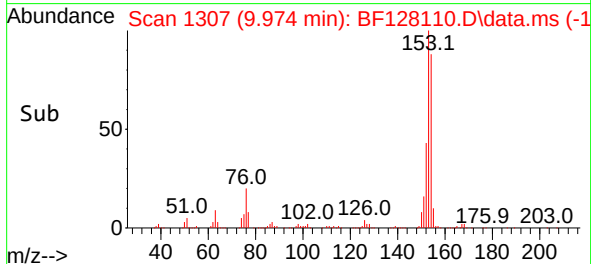
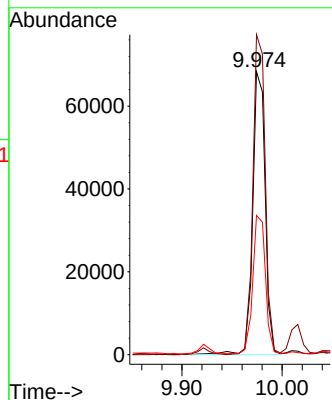
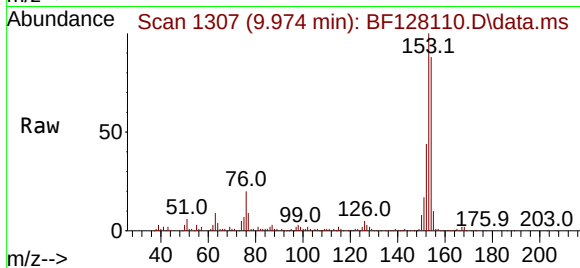




#52
Acenaphthene
Concen: 6.321 ng
RT: 9.974 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

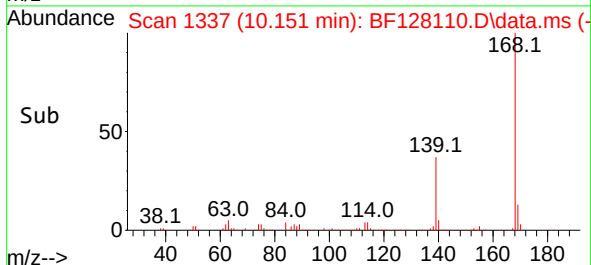
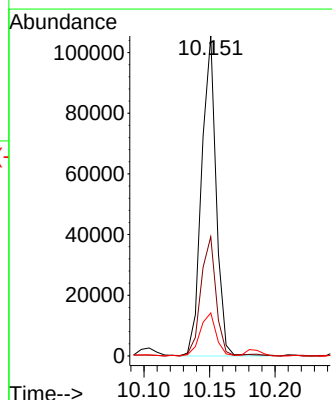
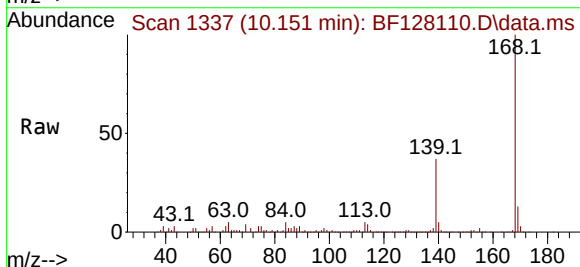
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1

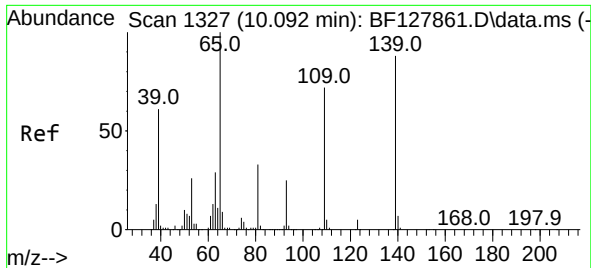
Tgt Ion:154 Resp: 58969
Ion Ratio Lower Upper
154 100
153 113.0 90.5 135.7
152 49.2 41.0 61.6



#55
Dibenzofuran
Concen: 6.074 ng
RT: 10.151 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Tgt Ion:168 Resp: 81756
Ion Ratio Lower Upper
168 100
139 37.2 31.7 47.5
169 13.5 10.9 16.3

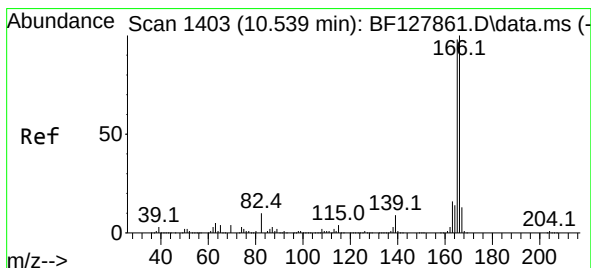
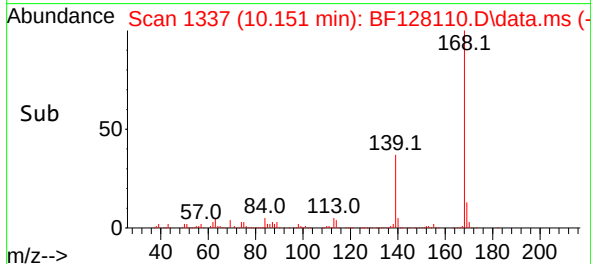
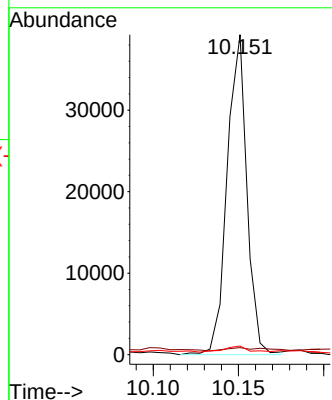
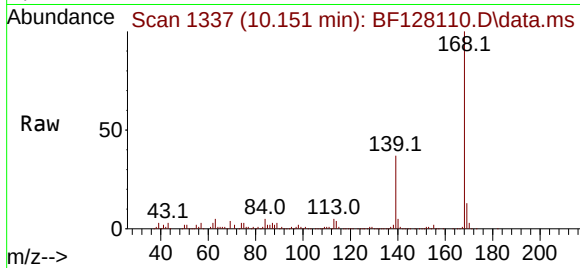




#56
4-Nitrophenol
Concen: 15.949 ng
RT: 10.151 min Scan# 1337
Delta R.T. 0.076 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

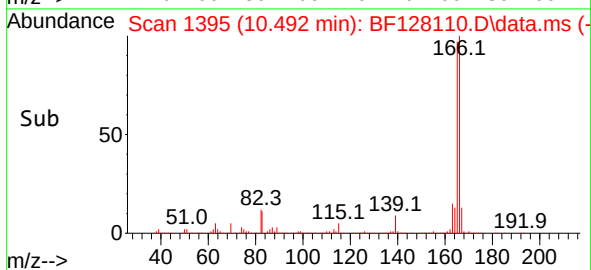
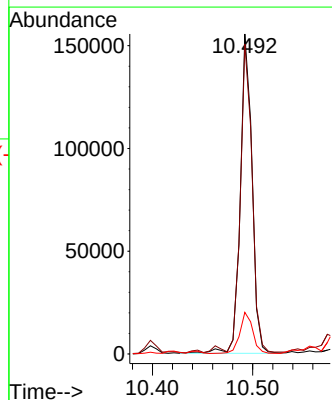
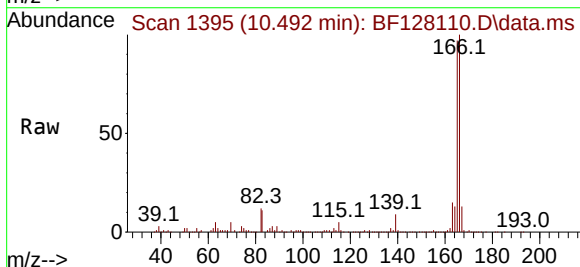
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1

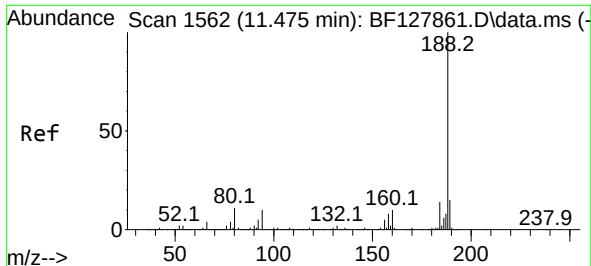
Tgt Ion:139 Resp: 31593
Ion Ratio Lower Upper
139 100
109 2.2 61.9 101.9#
65 2.7 93.5 133.5#



#58
Fluorene
Concen: 12.688 ng
RT: 10.492 min Scan# 1395
Delta R.T. -0.012 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Tgt Ion:166 Resp: 127445
Ion Ratio Lower Upper
166 100
165 96.9 78.6 117.8
167 13.0 10.5 15.7

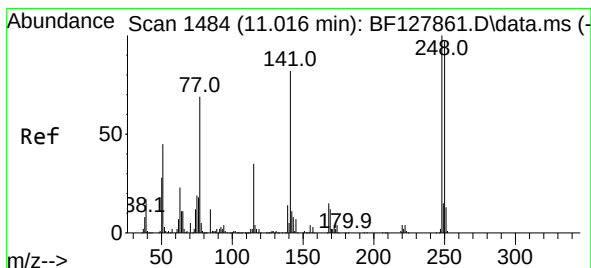
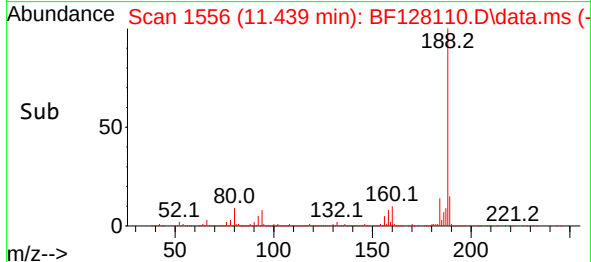
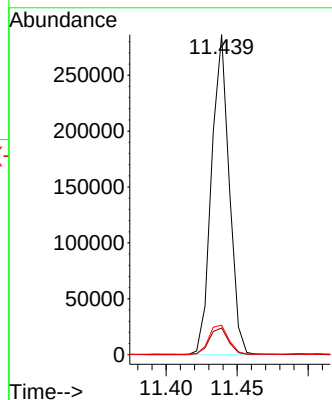
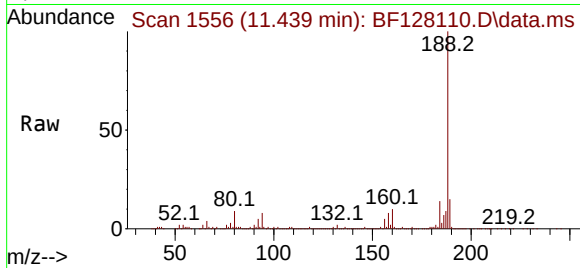




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

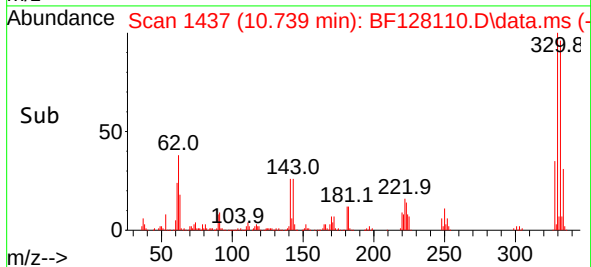
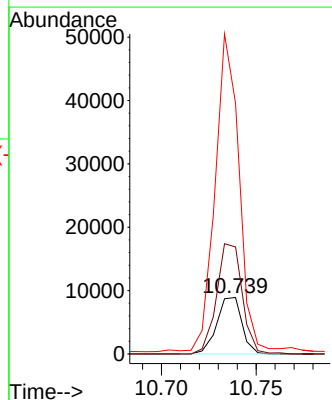
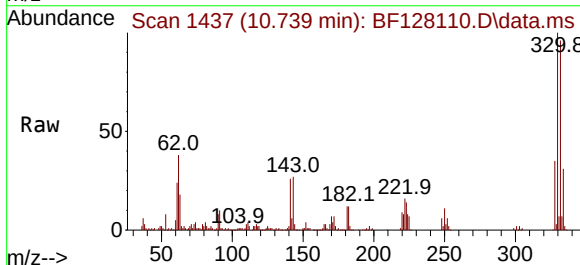
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1

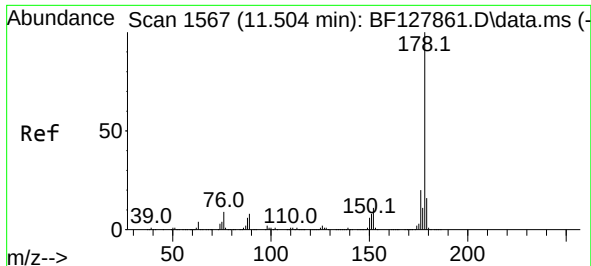
Tgt Ion:188 Resp: 248210
Ion Ratio Lower Upper
188 100
94 8.3 8.0 12.0
80 9.2 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 2.984 ng
RT: 10.739 min Scan# 1437
Delta R.T. -0.247 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Tgt Ion:248 Resp: 8210
Ion Ratio Lower Upper
248 100
250 189.7 77.7 116.5#
141 443.8 65.6 98.4#

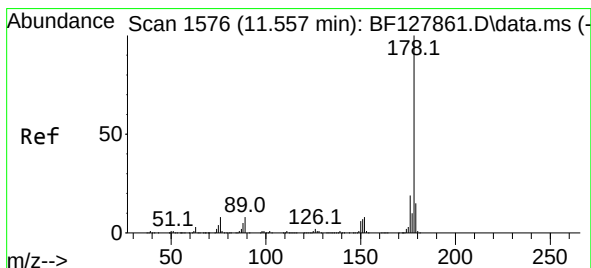
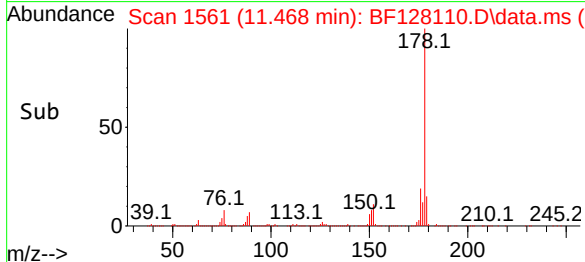
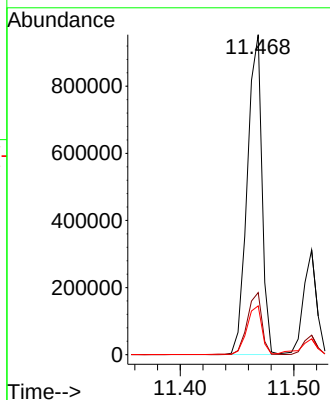
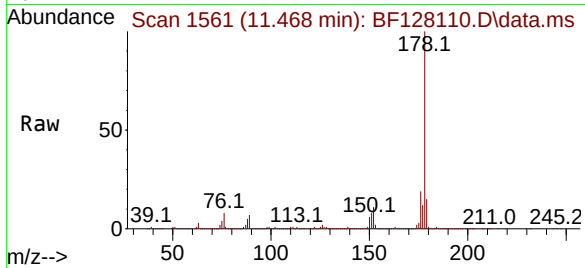




#71
Phenanthrene
Concen: 65.783 ng
RT: 11.468 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

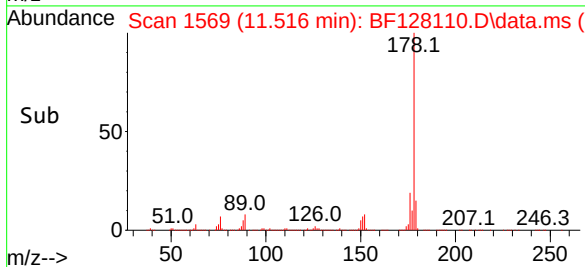
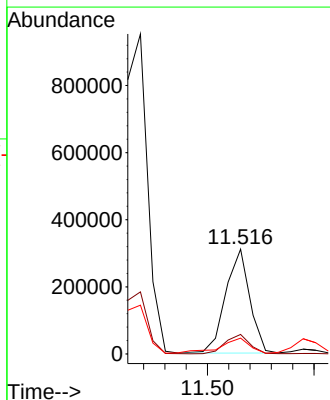
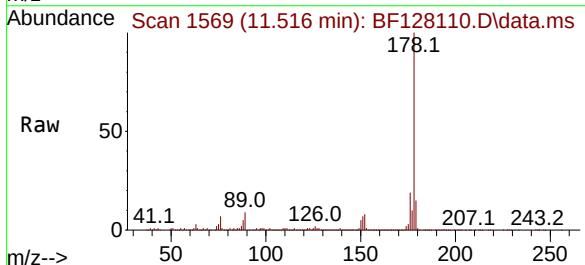
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1

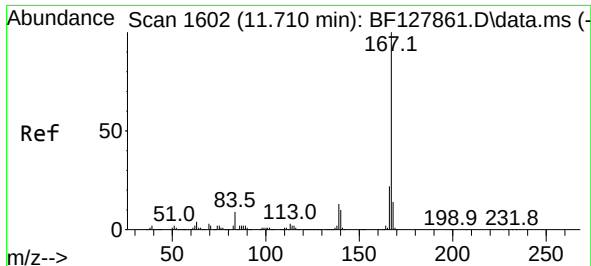
Tgt Ion:178 Resp: 854701
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.2 12.6 19.0



#72
Anthracene
Concen: 18.894 ng
RT: 11.516 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Tgt Ion:178 Resp: 244533
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.1 12.4 18.6

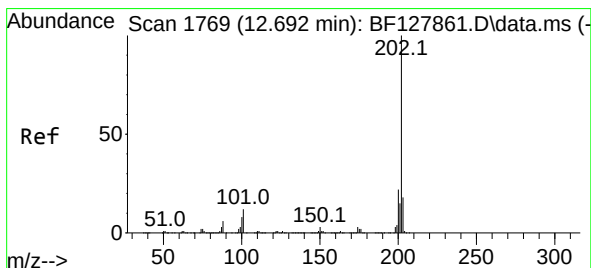
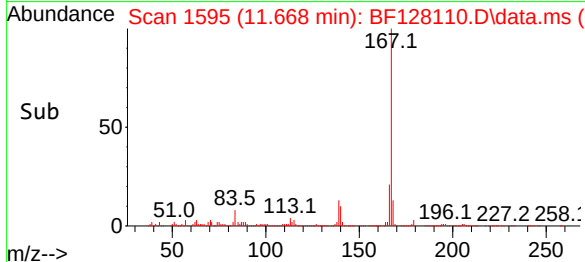
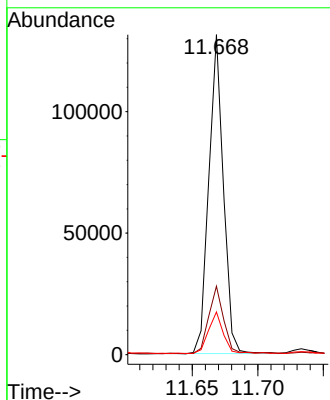
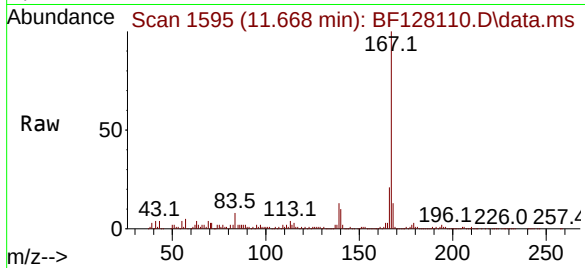




#73
 Carbazole
 Concen: 8.138 ng
 RT: 11.668 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128110.D
 Acq: 05 May 2022 22:46

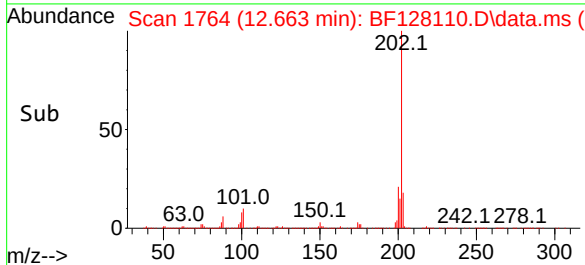
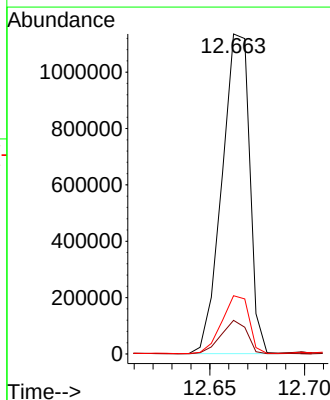
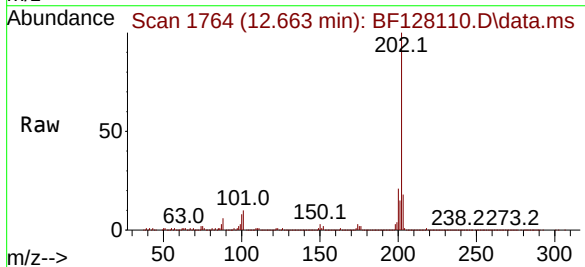
Instrument :
 BNA_F
 ClientSampleId :
 DEEP-WC-1

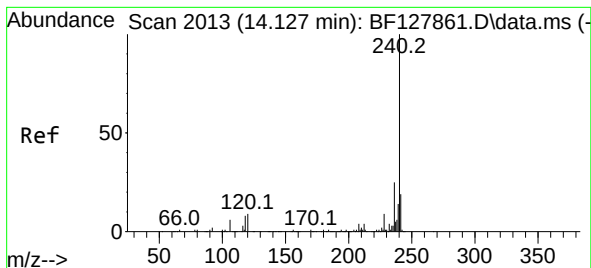
Tgt Ion:167 Resp: 101508
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.6 26.4
 139 13.4 10.7 16.1



#75
 Fluoranthene
 Concen: 84.266 ng
 RT: 12.663 min Scan# 1764
 Delta R.T. -0.000 min
 Lab File: BF128110.D
 Acq: 05 May 2022 22:46

Tgt Ion:202 Resp: 1152273
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 31.6
 203 18.2 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF128110.D

Acq: 05 May 2022 22:46

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1

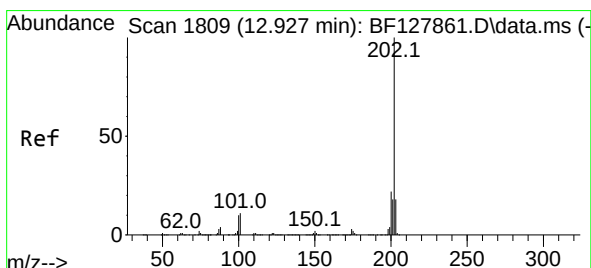
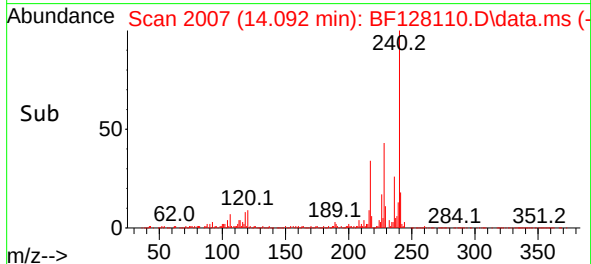
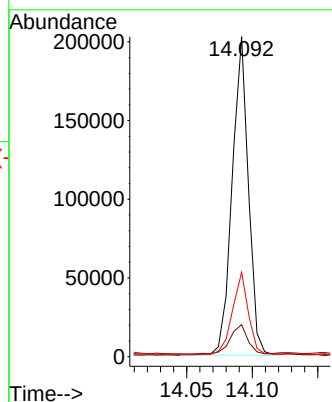
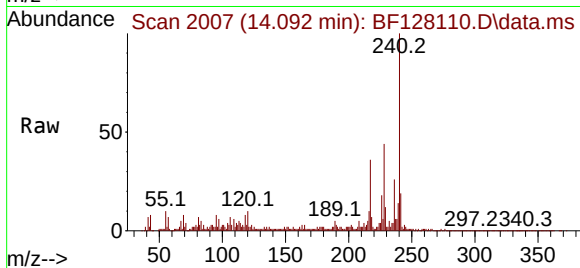
Tgt Ion:240 Resp: 174583

Ion Ratio Lower Upper

240 100

120 10.0 7.0 10.6

236 26.4 20.3 30.5



#78

Pyrene

Concen: 67.355 ng

RT: 12.892 min Scan# 1803

Delta R.T. -0.000 min

Lab File: BF128110.D

Acq: 05 May 2022 22:46

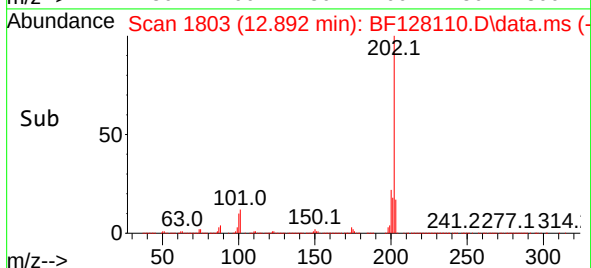
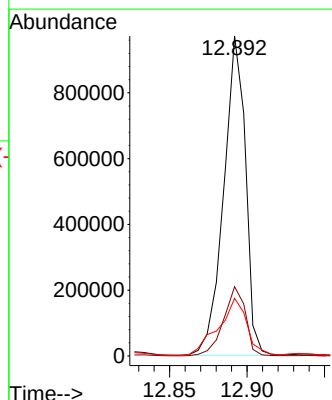
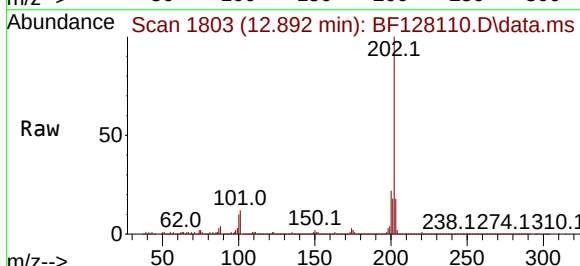
Tgt Ion:202 Resp: 949252

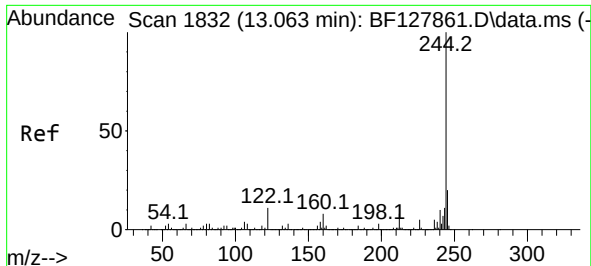
Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

203 18.0 14.0 21.0

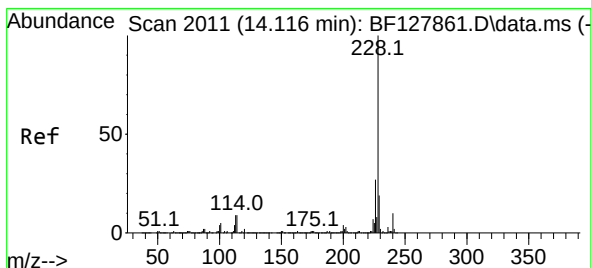
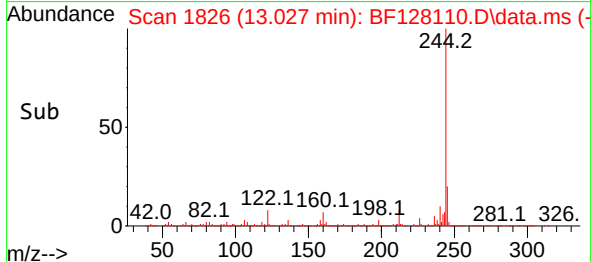
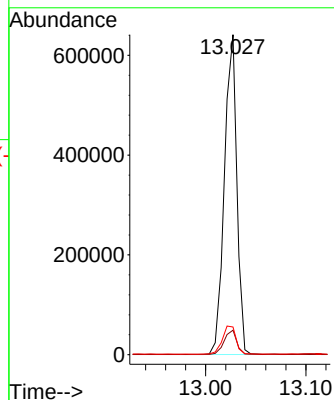
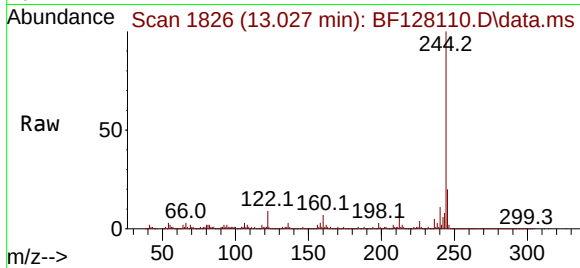




#79
 Terphenyl-d14
 Concen: 57.801 ng
 RT: 13.027 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128110.D
 Acq: 05 May 2022 22:46

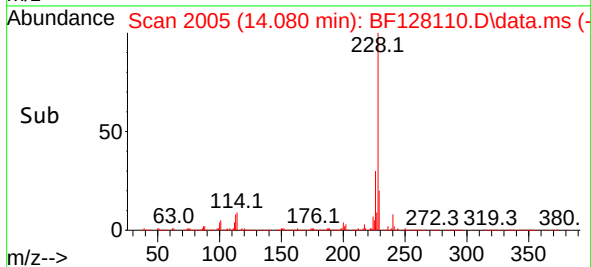
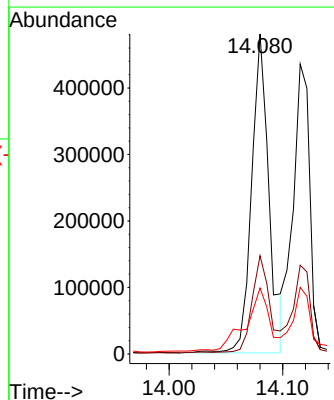
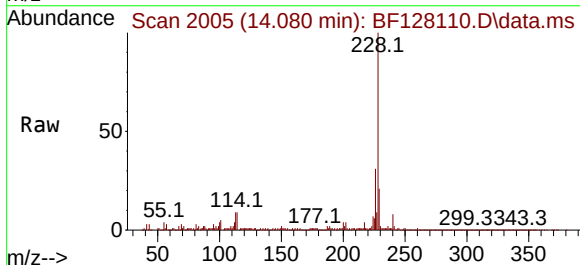
Instrument :
 BNA_F
 ClientSampleId :
 DEEP-WC-1

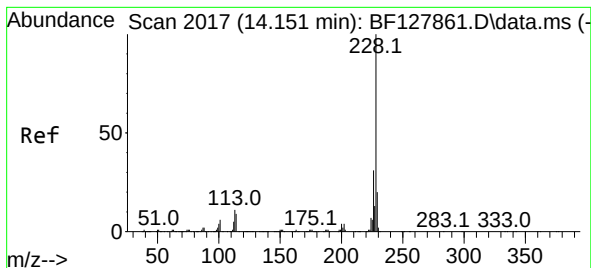
Tgt Ion:244 Resp: 551854
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.4
 122 8.6 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 43.592 ng
 RT: 14.080 min Scan# 2005
 Delta R.T. -0.000 min
 Lab File: BF128110.D
 Acq: 05 May 2022 22:46

Tgt Ion:228 Resp: 507256
 Ion Ratio Lower Upper
 228 100
 226 30.7 21.7 32.5
 229 20.6 15.4 23.2





#83

Chrysene

Concen: 39.936 ng

RT: 14.115 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF128110.D

Acq: 05 May 2022 22:46

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1

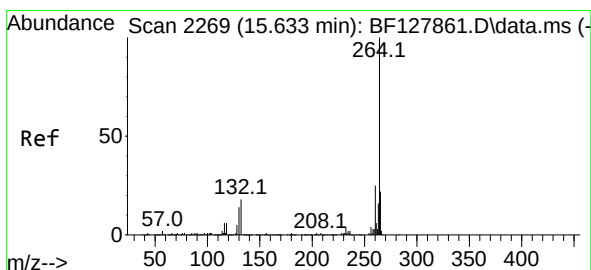
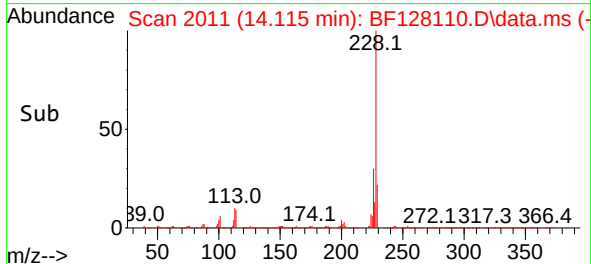
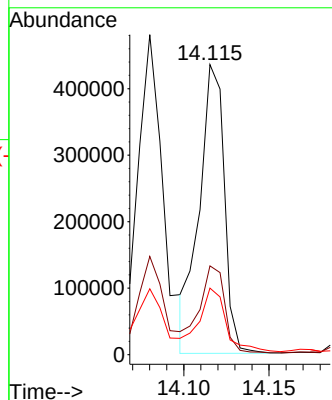
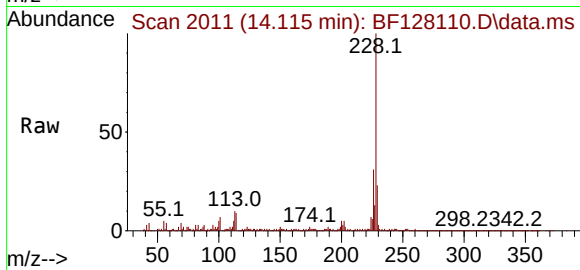
Tgt Ion:228 Resp: 443824

Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

229 22.9 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.598 min Scan# 2263

Delta R.T. 0.006 min

Lab File: BF128110.D

Acq: 05 May 2022 22:46

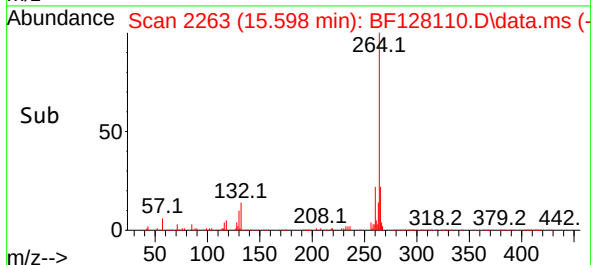
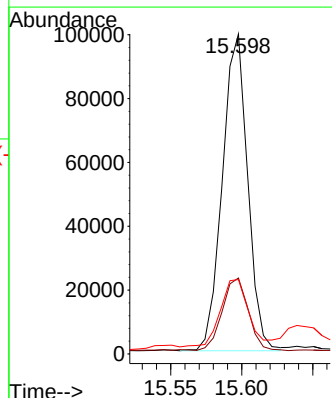
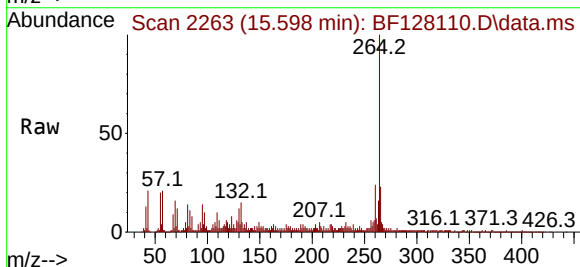
Tgt Ion:264 Resp: 122734

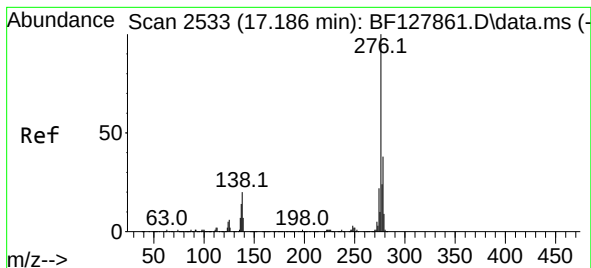
Ion Ratio Lower Upper

264 100

260 23.7 20.1 30.1

265 23.3 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 21.449 ng

RT: 17.127 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF128110.D

Acq: 05 May 2022 22:46

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1

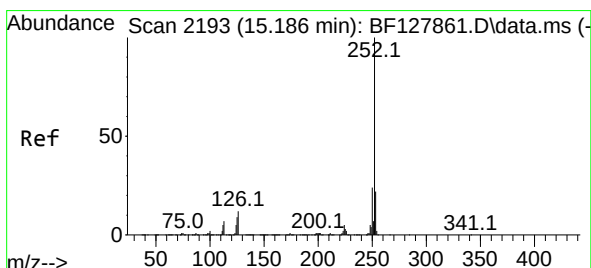
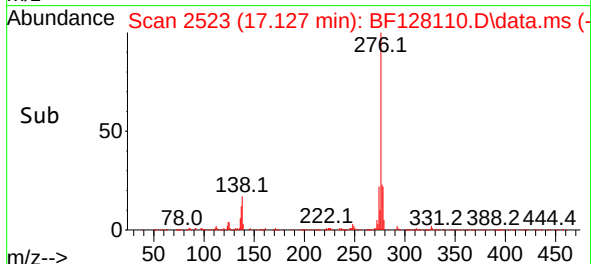
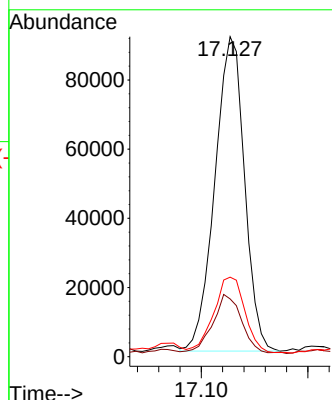
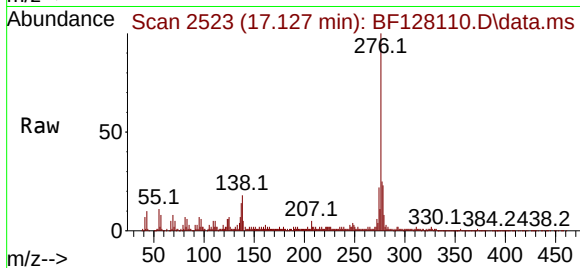
Tgt Ion:276 Resp: 175712

Ion Ratio Lower Upper

276 100

138 18.5 19.0 28.4#

277 25.0 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 78.363 ng

RT: 15.156 min Scan# 2188

Delta R.T. 0.006 min

Lab File: BF128110.D

Acq: 05 May 2022 22:46

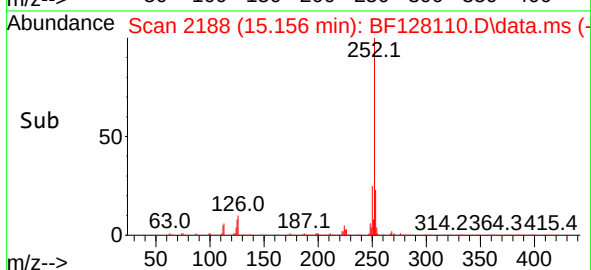
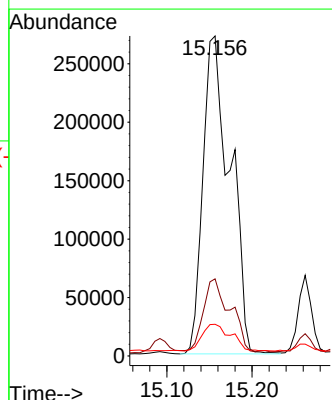
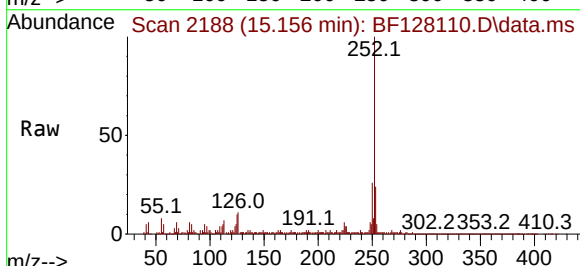
Tgt Ion:252 Resp: 604087

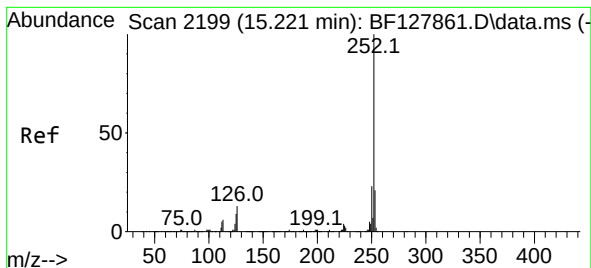
Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.2

125 9.9 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 77.782 ng

RT: 15.156 min Scan# 2199

Delta R.T. -0.024 min

Lab File: BF128110.D

Acq: 05 May 2022 22:46

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1

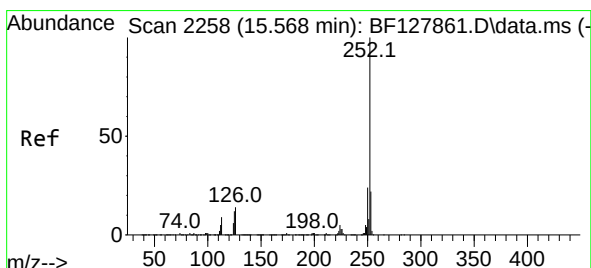
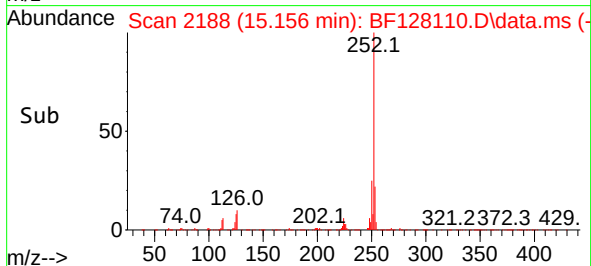
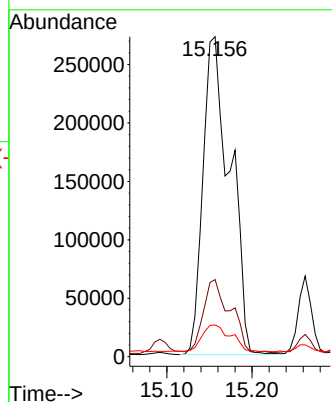
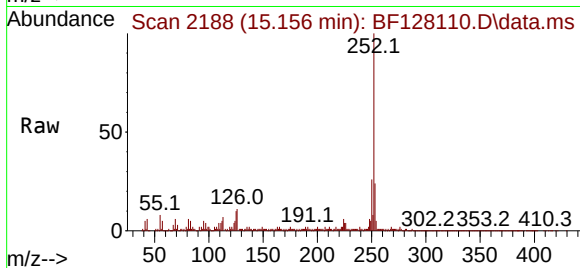
Tgt Ion:252 Resp: 604087

Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.4

125 9.9 6.8 10.2



#90

Benzo(a)pyrene

Concen: 45.272 ng

RT: 15.533 min Scan# 2252

Delta R.T. -0.000 min

Lab File: BF128110.D

Acq: 05 May 2022 22:46

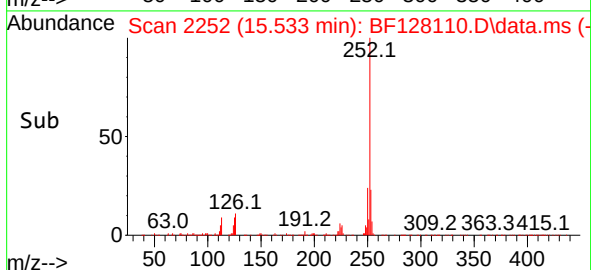
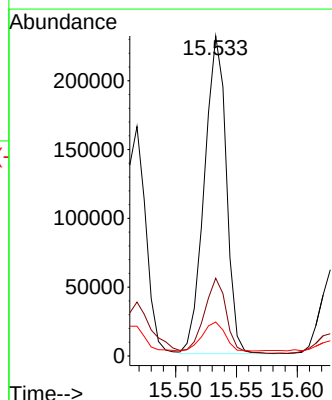
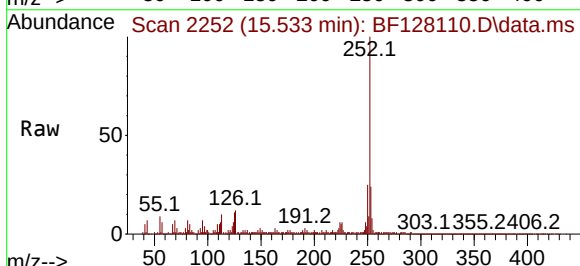
Tgt Ion:252 Resp: 289482

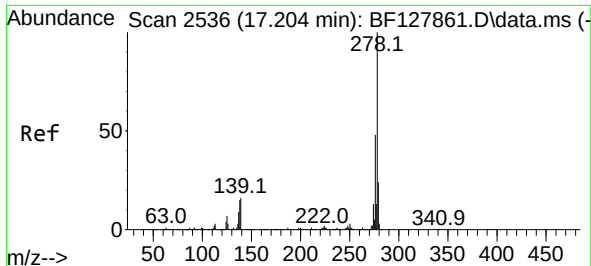
Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.6

125 10.6 9.2 13.8

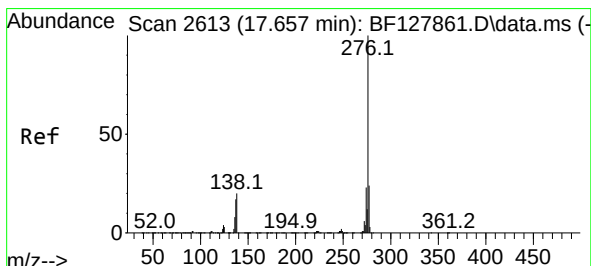
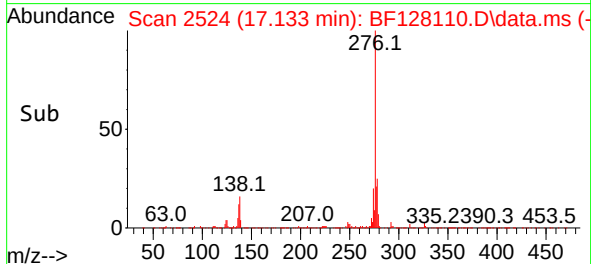
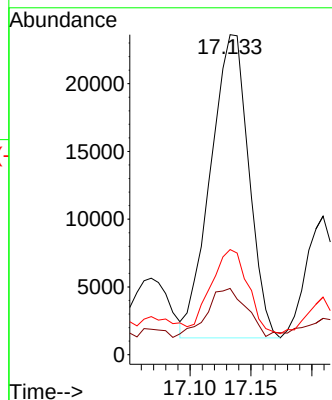
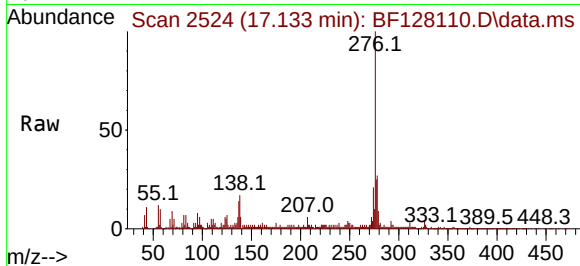




#91
Dibenzo(a,h)anthracene
Concen: 7.449 ng
RT: 17.133 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1

Tgt Ion:278 Resp: 48939
Ion Ratio Lower Upper
278 100
139 20.7 12.6 19.0#
279 32.9 18.9 28.3#



#92
Benzo(g,h,i)perylene
Concen: 23.528 ng
RT: 17.598 min Scan# 2603
Delta R.T. -0.000 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Tgt Ion:276 Resp: 162908
Ion Ratio Lower Upper
276 100
277 23.4 18.8 28.2
138 17.5 16.2 24.2

