

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050622\
 Data File : BF128139.D
 Acq On : 06 May 2022 22:21
 Operator : CG\JU
 Sample : N2691-01DL 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEEP-WC-1DL

Quant Time: May 06 23:26:40 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)

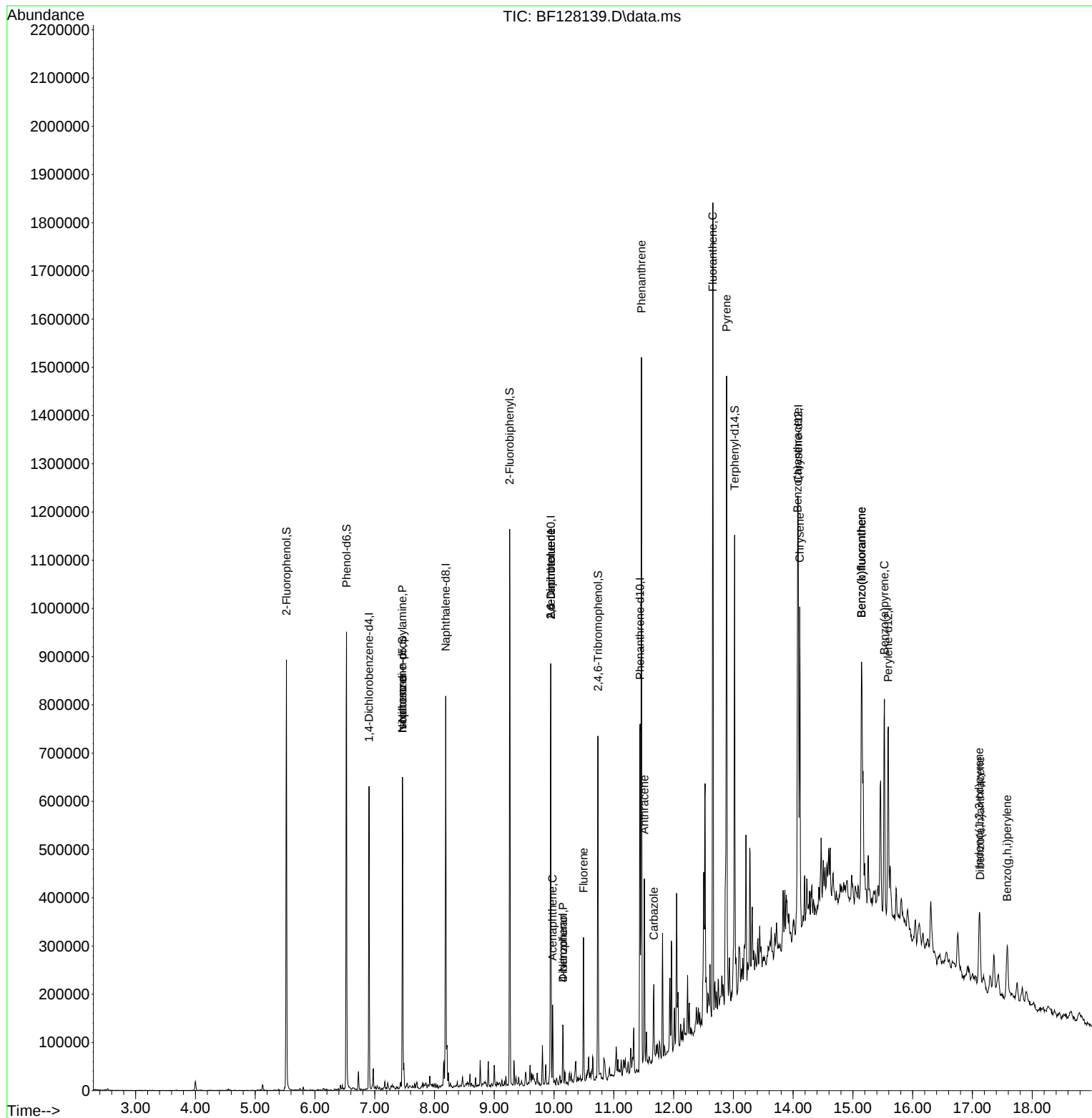
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	79490	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	306036	20.000	ng	-0.01
39) Acenaphthene-d10	9.945	164	169720	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	280506	20.000	ng	# 0.00
76) Chrysene-d12	14.086	240	196690	20.000	ng	0.00
86) Perylene-d12	15.592	264	173006	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	213286	42.737	ng	-0.01
7) Phenol-d6	6.528	99	286981	44.317	ng	-0.02
23) Nitrobenzene-d5	7.463	82	202304	31.085	ng	-0.02
42) 2,4,6-Tribromophenol	10.733	330	72099	42.200	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	326974	32.592	ng	-0.01
79) Terphenyl-d14	13.022	244	295577	27.479	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	28739	7.250	ng	# 81
25) Isophorone	7.463	82	202301	18.469	ng	# 68
51) 2,6-Dinitrotoluene	9.945	165	22883	9.285	ng	# 21
52) Acenaphthene	9.975	154	30155	3.064	ng	98
55) Dibenzofuran	10.151	168	43318	3.051	ng	96
56) 4-Nitrophenol	10.151	139	17128	8.196	ng	# 3
57) 2,4-Dinitrotoluene	9.945	165	22883	7.010	ng	# 26
58) Fluorene	10.492	166	69754	6.583	ng	99
71) Phenanthrene	11.463	178	501673	34.166	ng	99
72) Anthracene	11.510	178	135586	9.270	ng	99
73) Carbazole	11.669	167	54287	3.851	ng	99
75) Fluoranthene	12.657	202	624163	40.390	ng	97
78) Pyrene	12.886	202	512105	32.253	ng	99
81) Benzo(a)anthracene	14.074	228	282370	21.539	ng	95
83) Chrysene	14.110	228	253834	20.273	ng	98
87) Indeno(1,2,3-cd)pyrene	17.115	276	106511	9.224	ng	# 94
88) Benzo(b)fluoranthene	15.145	252	405714	37.337	ng	98
89) Benzo(k)fluoranthene	15.145	252	405714	37.060	ng	96
90) Benzo(a)pyrene	15.527	252	203533	22.581	ng	97
91) Dibenzo(a,h)anthracene	17.127	278	29970	3.236	ng	# 87
92) Benzo(g,h,i)perylene	17.580	276	94843	9.717	ng	98

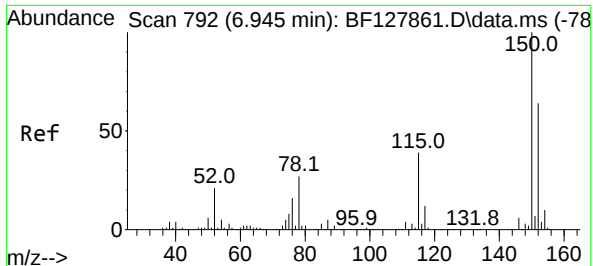
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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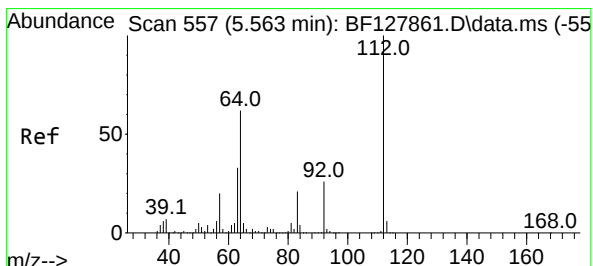
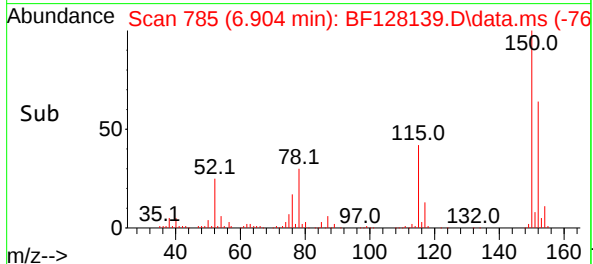
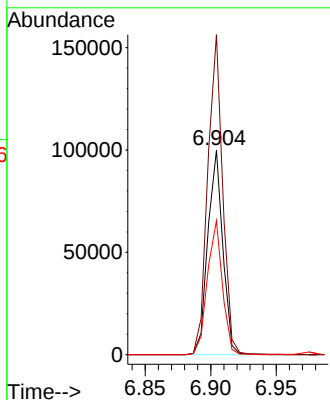
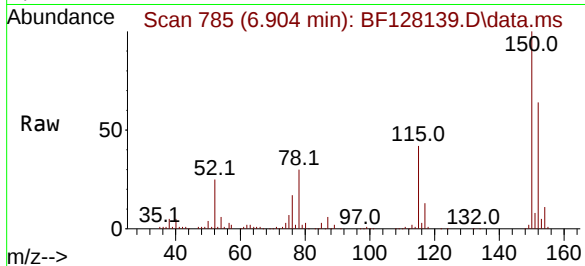




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

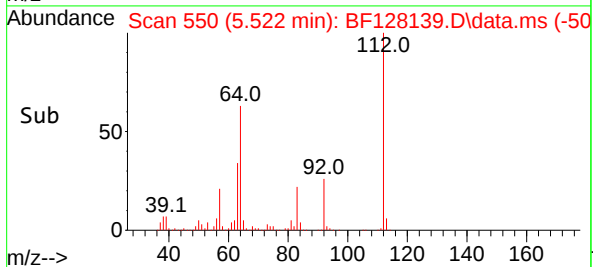
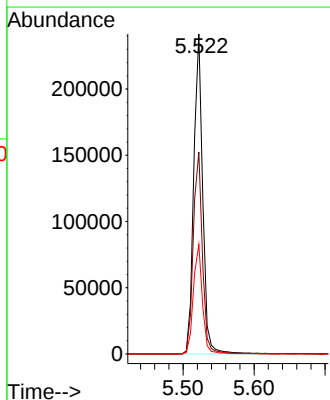
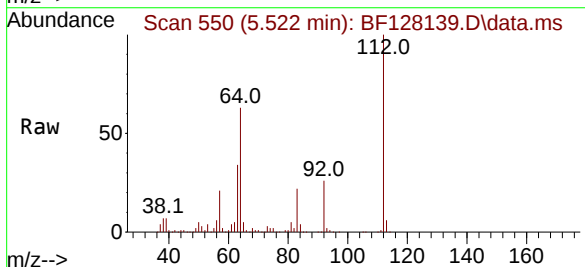
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1DL

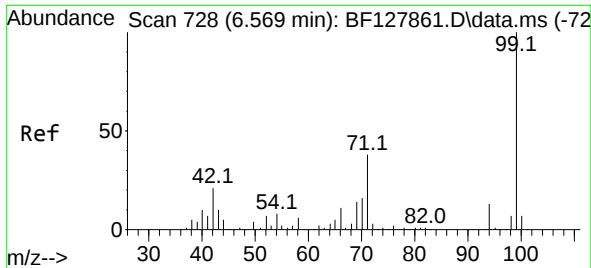
Tgt Ion:152 Resp: 79490
Ion Ratio Lower Upper
152 100
150 156.5 125.3 187.9
115 65.5 48.8 73.2



#5
2-Fluorophenol
Concen: 42.737 ng
RT: 5.522 min Scan# 550
Delta R.T. -0.012 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

Tgt Ion:112 Resp: 213286
Ion Ratio Lower Upper
112 100
64 63.1 49.5 74.3
63 34.2 26.3 39.5

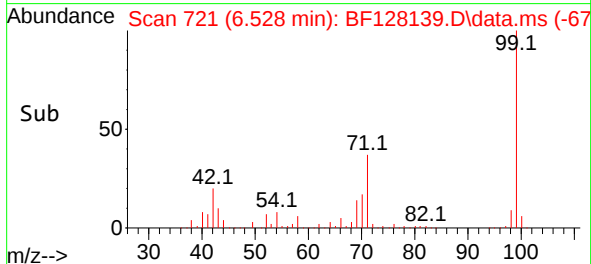
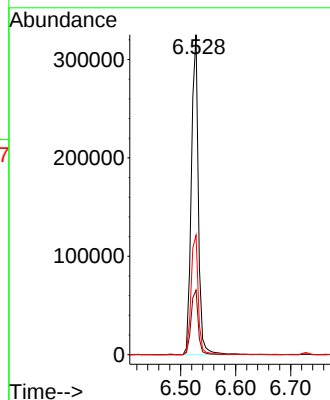
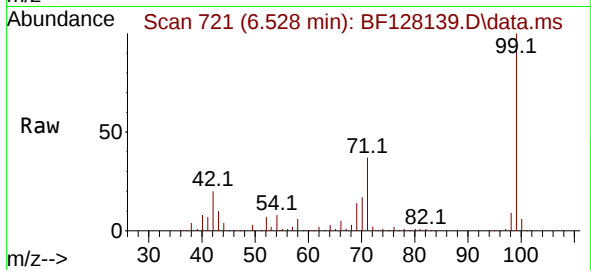




#7
Phenol-d6
Concen: 44.317 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

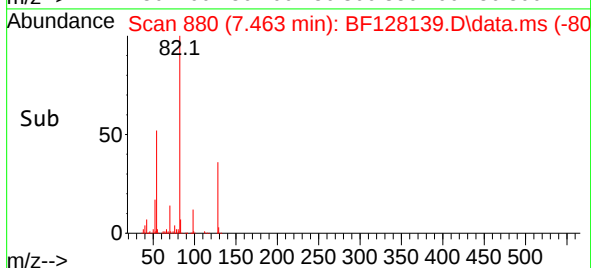
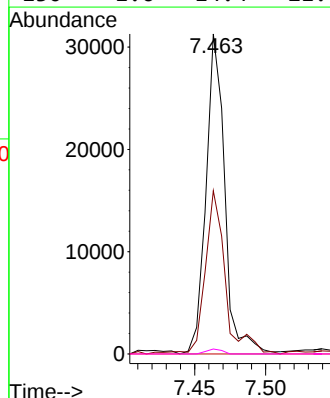
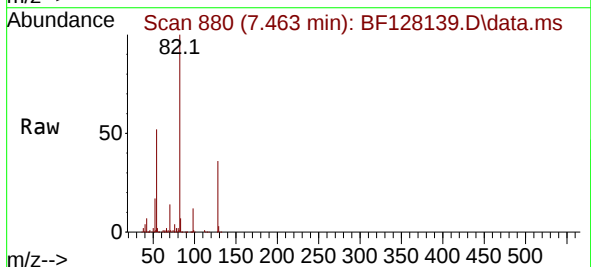
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1DL

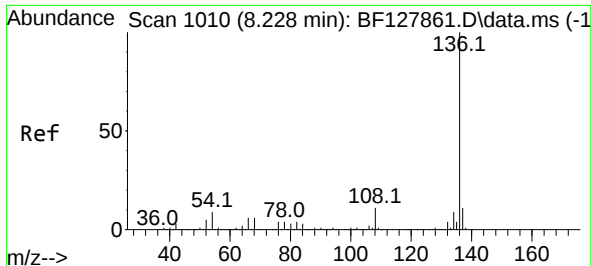
Tgt Ion: 99 Resp: 286981
Ion Ratio Lower Upper
99 100
42 20.1 16.6 24.8
71 37.3 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 7.250 ng
RT: 7.463 min Scan# 880
Delta R.T. 0.135 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

Tgt Ion: 70 Resp: 28739
Ion Ratio Lower Upper
70 100
42 51.0 48.7 73.1
101 0.0 7.2 10.8#
130 1.6 14.4 21.6#

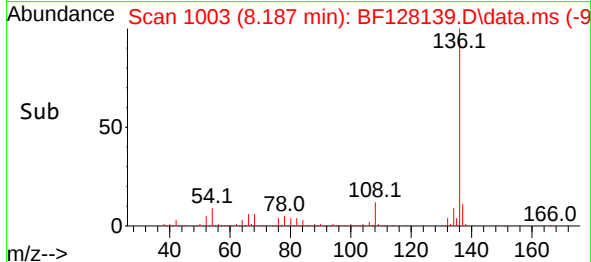
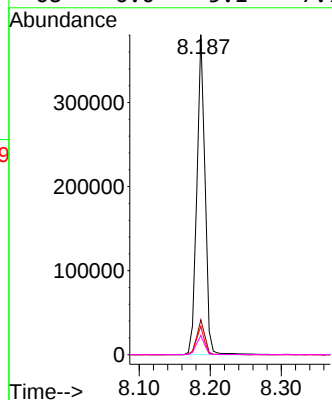
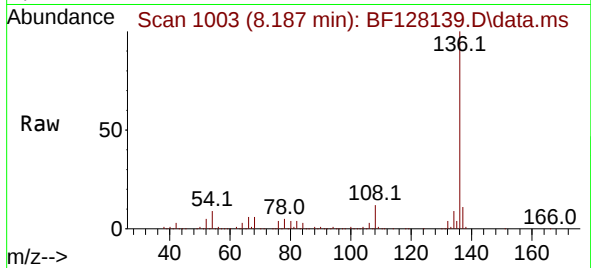




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

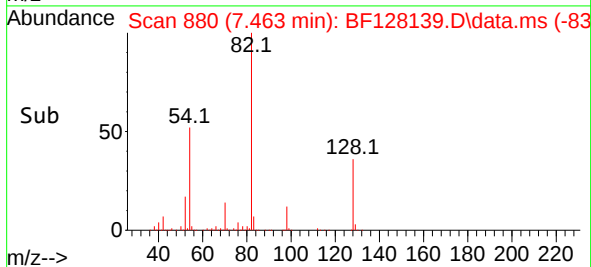
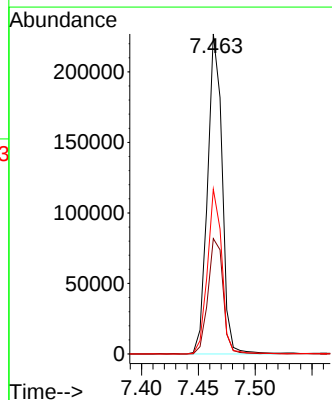
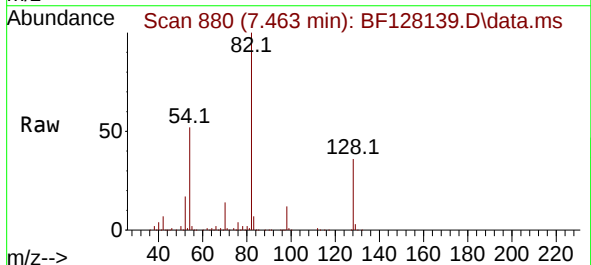
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1DL

Tgt Ion:	136	Resp:	306036
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.8	6.8	10.2
68	6.0	5.1	7.7



#23
Nitrobenzene-d5
Concen: 31.085 ng
RT: 7.463 min Scan# 880
Delta R.T. -0.017 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

Tgt Ion:	82	Resp:	202304
Ion	Ratio	Lower	Upper
82	100		
128	36.1	30.0	45.0
54	51.5	41.3	61.9

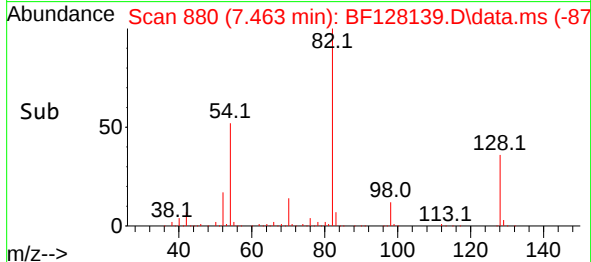
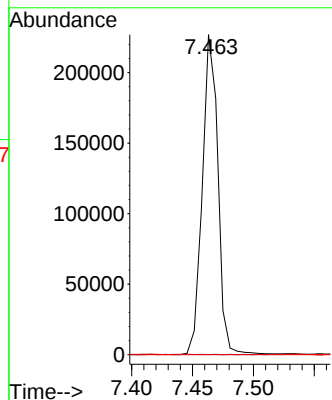
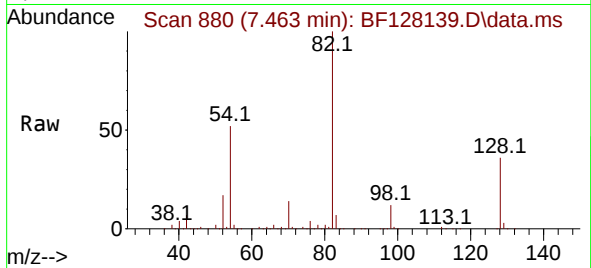




#25
Isophorone
Concen: 18.469 ng
RT: 7.463 min Scan# 81
Delta R.T. -0.276 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

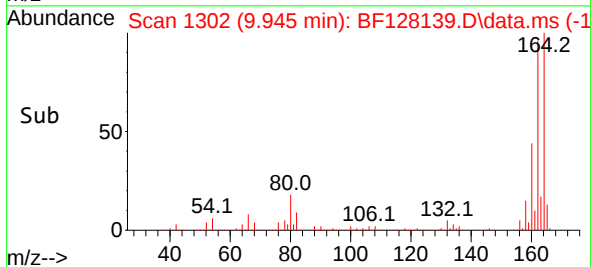
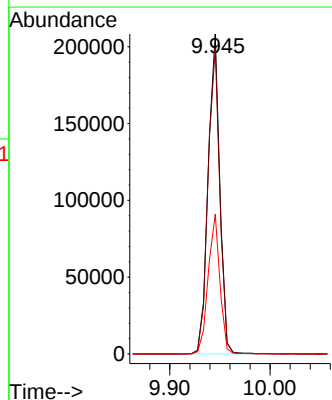
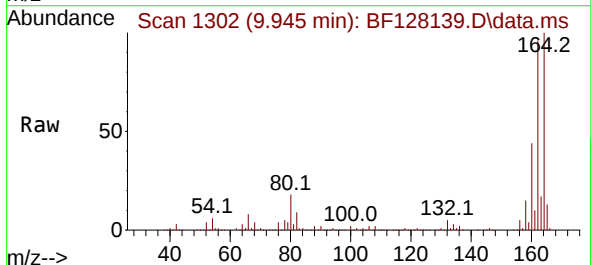
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1DL

Tgt Ion: 82 Resp: 202301
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

Tgt Ion:164 Resp: 169720
Ion Ratio Lower Upper
164 100
162 95.6 76.0 114.0
160 43.7 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 42.200 ng

RT: 10.733 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF128139.D

Acq: 06 May 2022 22:21

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1DL

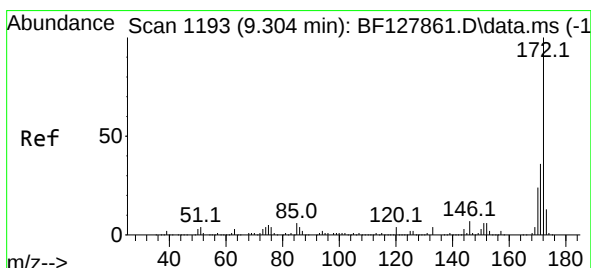
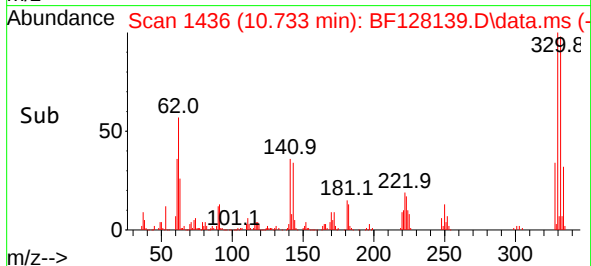
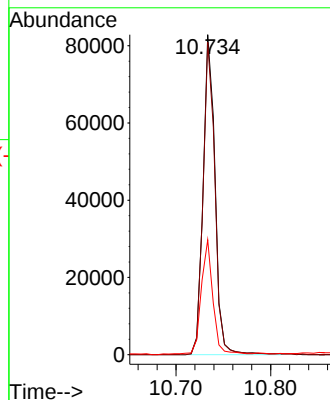
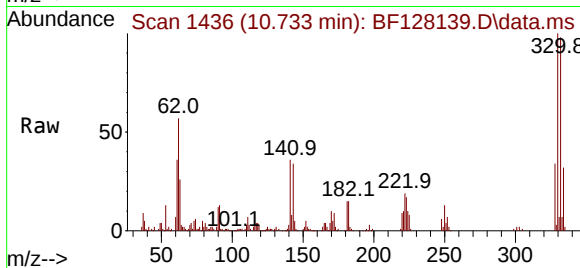
Tgt Ion:330 Resp: 72099

Ion Ratio Lower Upper

330 100

332 97.2 79.0 118.4

141 35.9 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 32.592 ng

RT: 9.257 min Scan# 1185

Delta R.T. -0.012 min

Lab File: BF128139.D

Acq: 06 May 2022 22:21

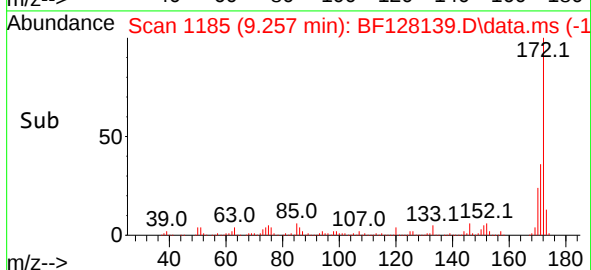
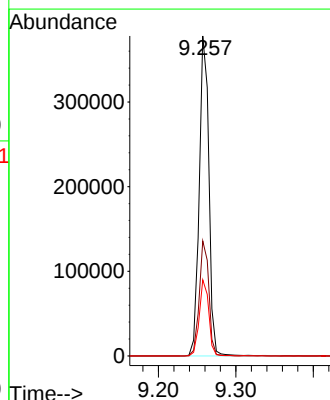
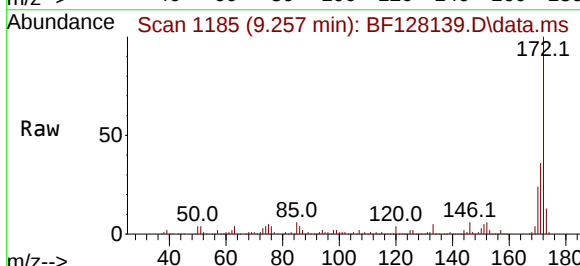
Tgt Ion:172 Resp: 326974

Ion Ratio Lower Upper

172 100

171 35.9 28.6 42.8

170 23.8 19.1 28.7

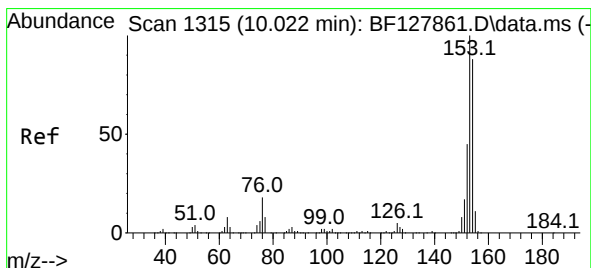
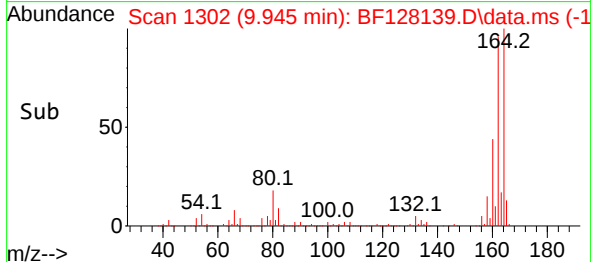
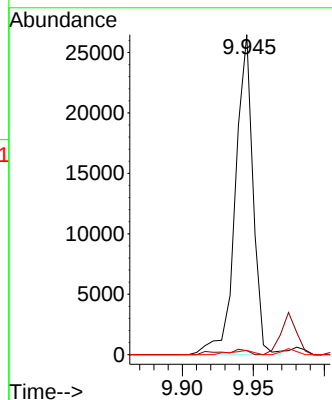
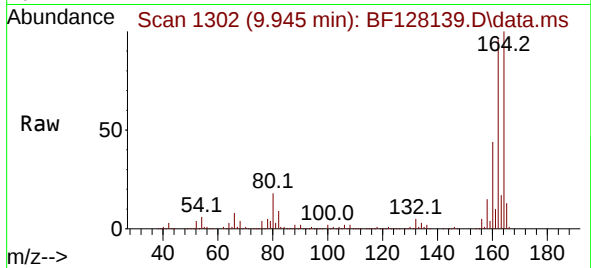




#51
2,6-Dinitrotoluene
Concen: 9.285 ng
RT: 9.945 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

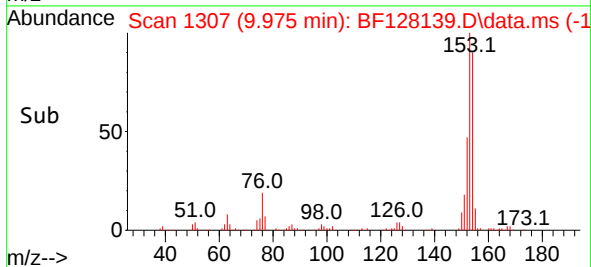
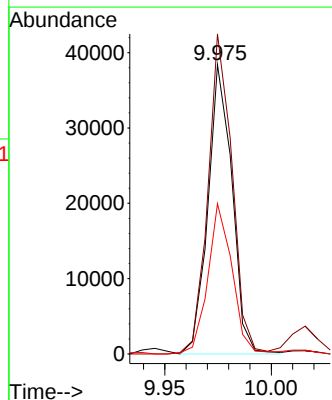
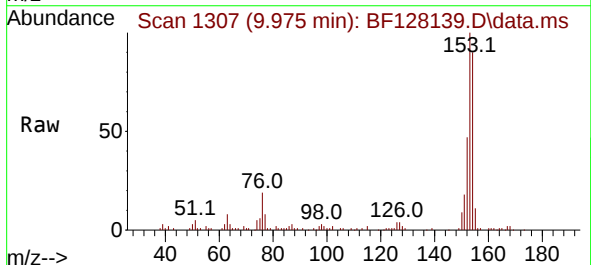
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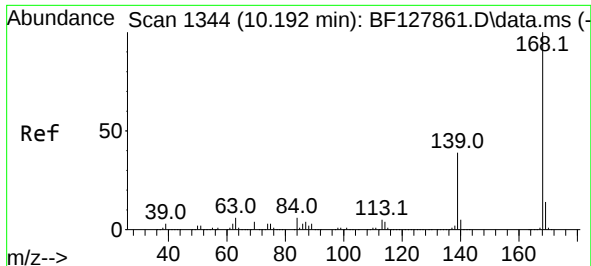
Tgt Ion:165 Resp: 22883
Ion Ratio Lower Upper
165 100
63 1.3 49.5 74.3#
89 1.3 49.0 73.4#



#52
Acenaphthene
Concen: 3.064 ng
RT: 9.975 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

Tgt Ion:154 Resp: 30155
Ion Ratio Lower Upper
154 100
153 110.6 90.5 135.7
152 51.9 41.0 61.6

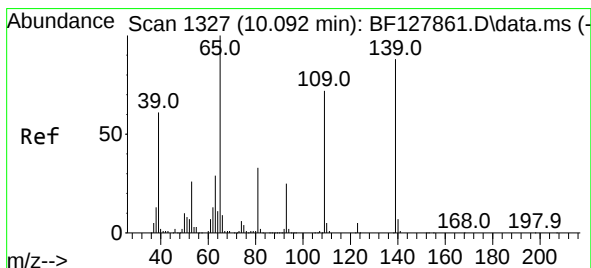
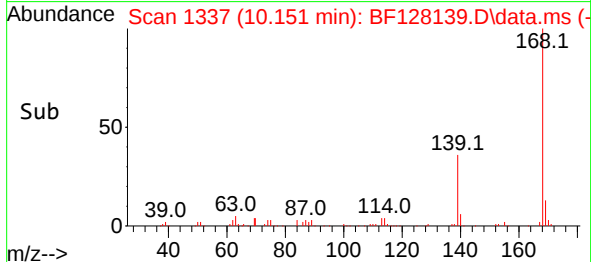
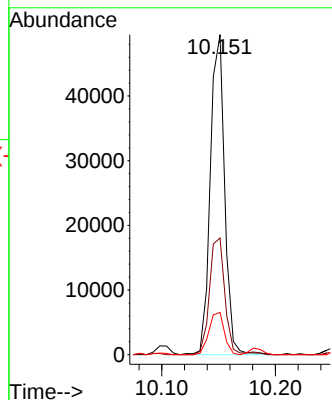
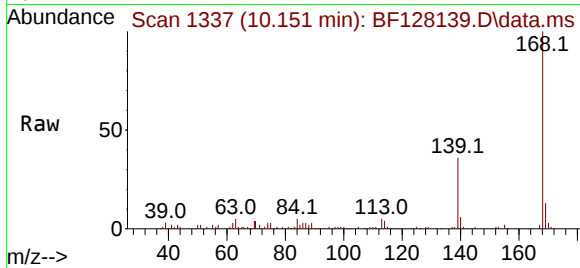




#55
Dibenzenofuran
Concen: 3.051 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

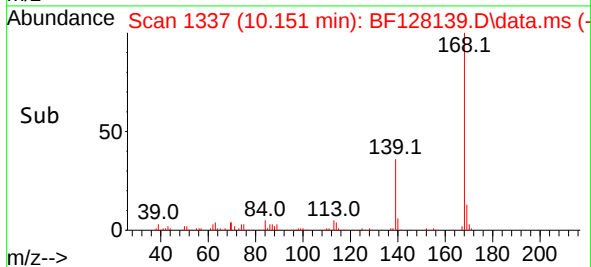
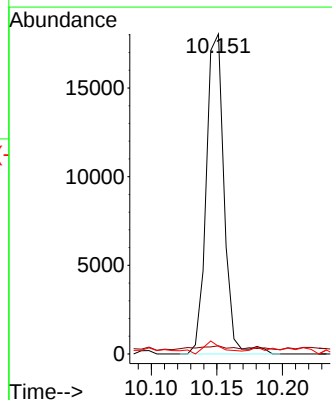
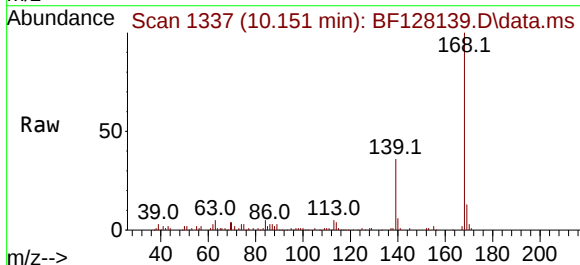
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1DL

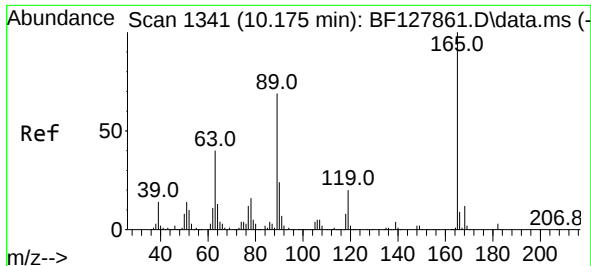
Tgt Ion:168 Resp: 43318
Ion Ratio Lower Upper
168 100
139 36.5 31.7 47.5
169 13.2 10.9 16.3



#56
4-Nitrophenol
Concen: 8.196 ng
RT: 10.151 min Scan# 1337
Delta R.T. 0.077 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

Tgt Ion:139 Resp: 17128
Ion Ratio Lower Upper
139 100
109 2.6 61.9 101.9#
65 2.4 93.5 133.5#

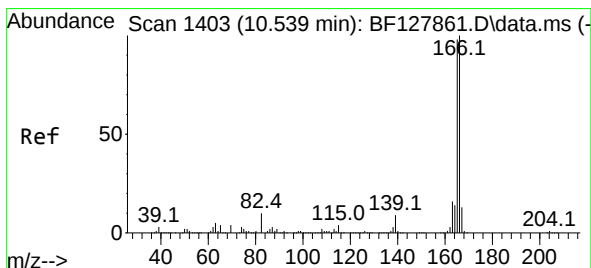
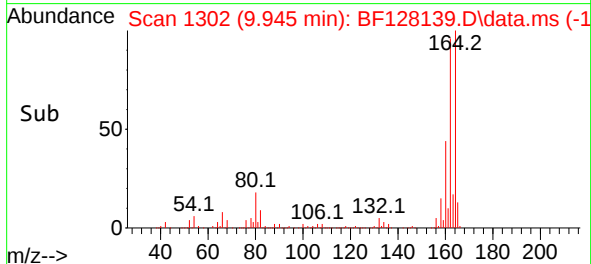
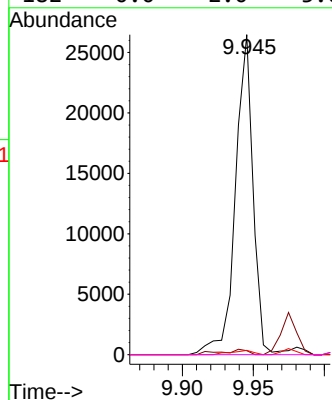
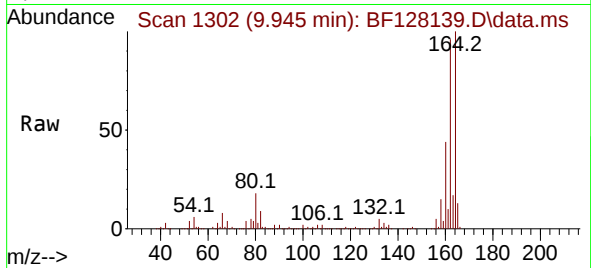




#57
2,4-Dinitrotoluene
Concen: 7.010 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

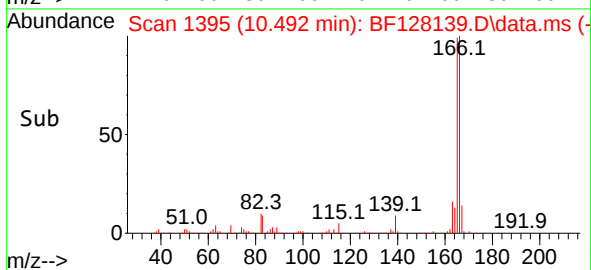
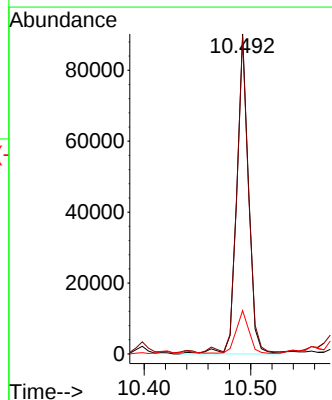
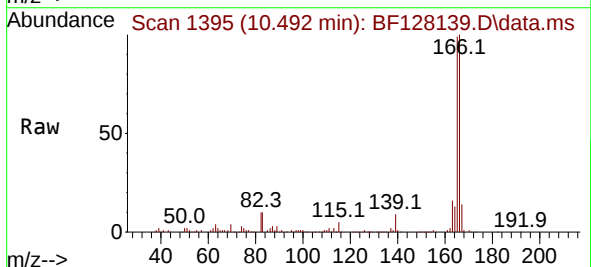
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1DL

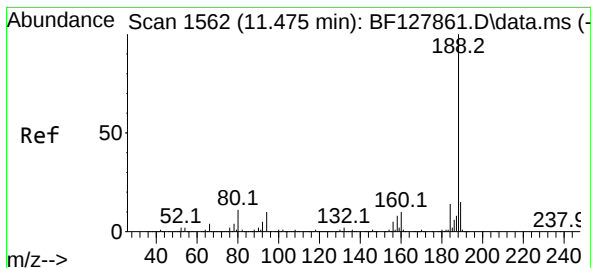
Tgt Ion:165 Resp: 22883
Ion Ratio Lower Upper
165 100
63 1.3 32.6 49.0#
89 1.3 55.2 82.8#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 6.583 ng
RT: 10.492 min Scan# 1395
Delta R.T. -0.012 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

Tgt Ion:166 Resp: 69754
Ion Ratio Lower Upper
166 100
165 99.2 78.6 117.8
167 13.6 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: BF128139.D

Acq: 06 May 2022 22:21

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1DL

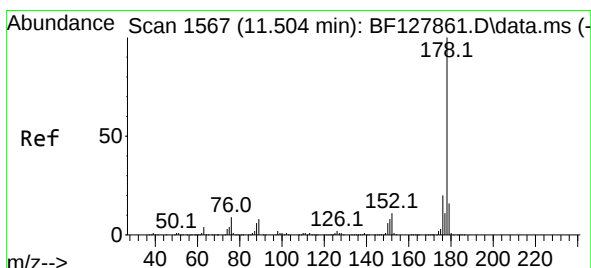
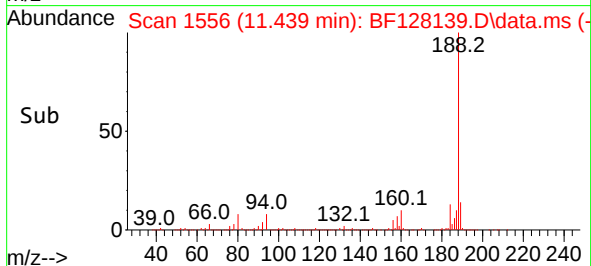
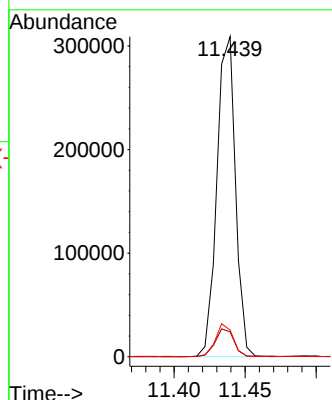
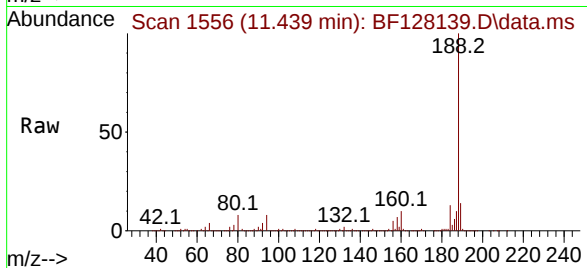
Tgt Ion:188 Resp: 280506

Ion Ratio Lower Upper

188 100

94 7.8 8.0 12.0#

80 8.3 8.9 13.3#



#71

Phenanthrene

Concen: 34.166 ng

RT: 11.463 min Scan# 1560

Delta R.T. -0.012 min

Lab File: BF128139.D

Acq: 06 May 2022 22:21

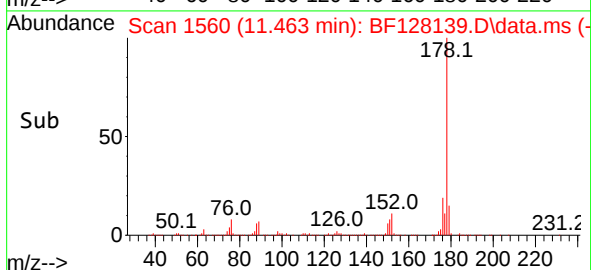
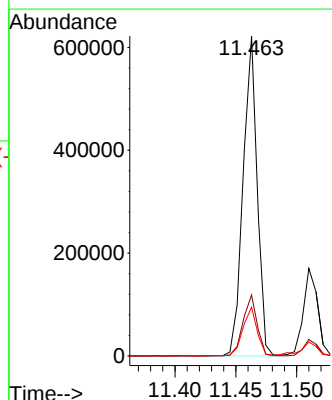
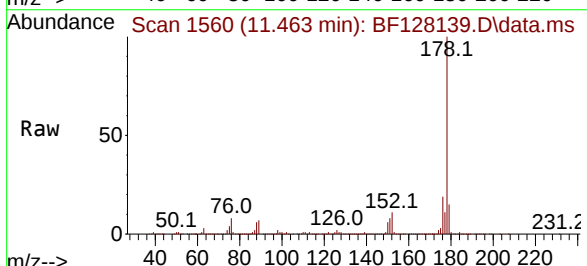
Tgt Ion:178 Resp: 501673

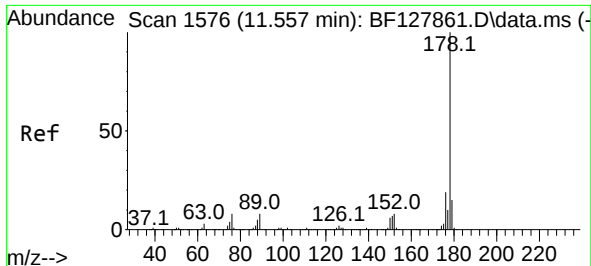
Ion Ratio Lower Upper

178 100

176 19.1 15.7 23.5

179 15.2 12.6 19.0

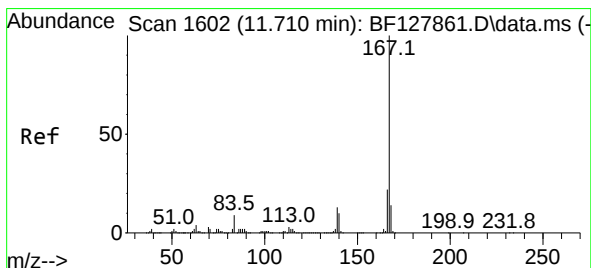
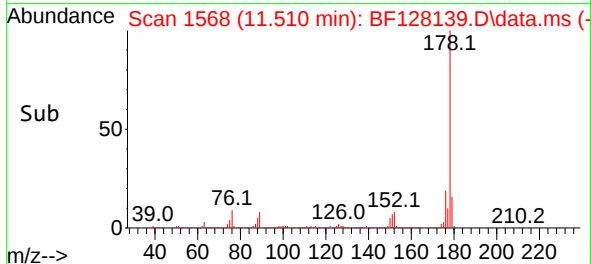
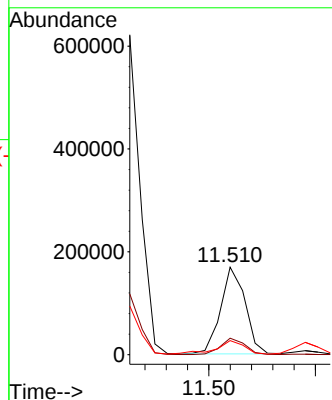
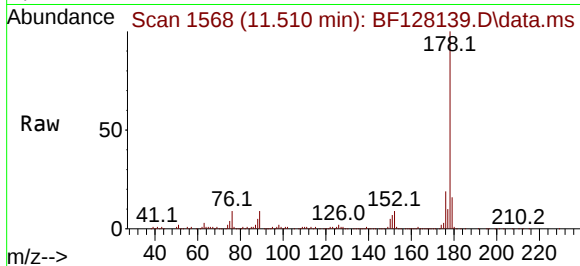




#72
 Anthracene
 Concen: 9.270 ng
 RT: 11.510 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128139.D
 Acq: 06 May 2022 22:21

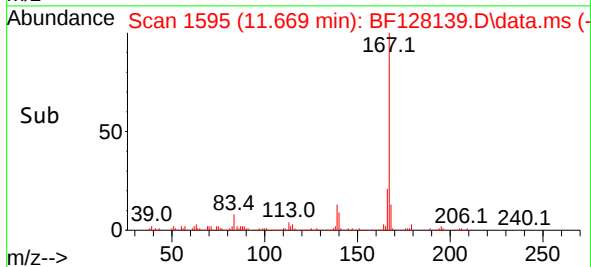
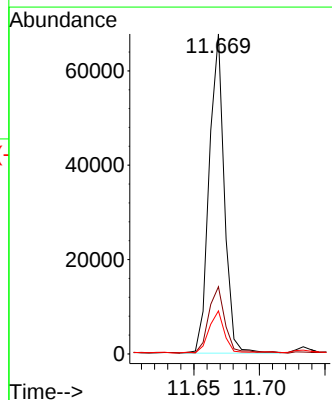
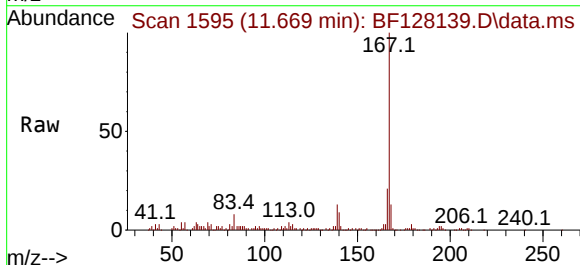
Instrument :
 BNA_F
 ClientSampleId :
 DEEP-WC-1DL

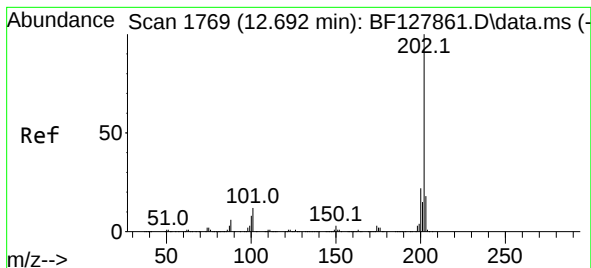
Tgt Ion:178 Resp: 135586
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.0 22.6
 179 16.1 12.4 18.6



#73
 Carbazole
 Concen: 3.851 ng
 RT: 11.669 min Scan# 1595
 Delta R.T. -0.012 min
 Lab File: BF128139.D
 Acq: 06 May 2022 22:21

Tgt Ion:167 Resp: 54287
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.6 26.4
 139 13.5 10.7 16.1





#75

Fluoranthene

Concen: 40.390 ng

RT: 12.657 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128139.D

Acq: 06 May 2022 22:21

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1DL

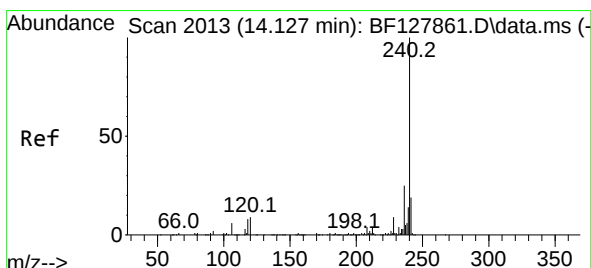
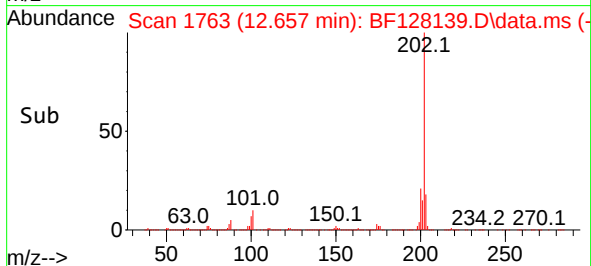
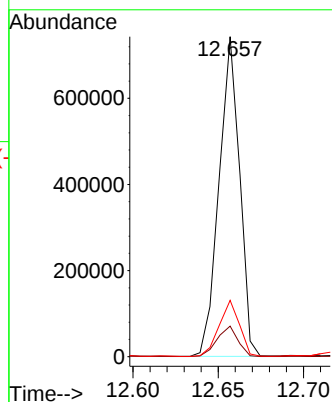
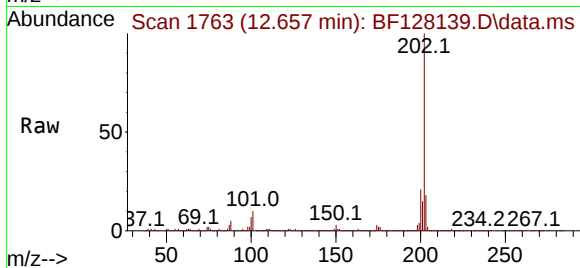
Tgt Ion:202 Resp: 624163

Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.6

203 17.6 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.086 min Scan# 2006

Delta R.T. -0.006 min

Lab File: BF128139.D

Acq: 06 May 2022 22:21

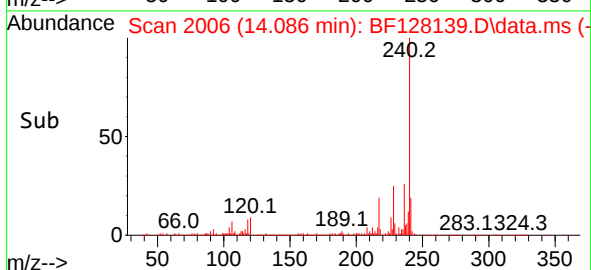
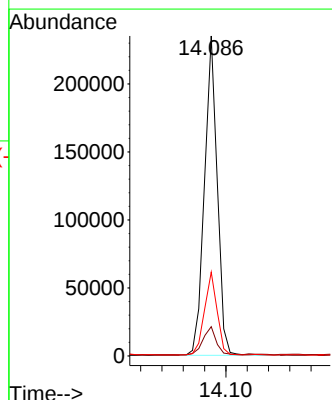
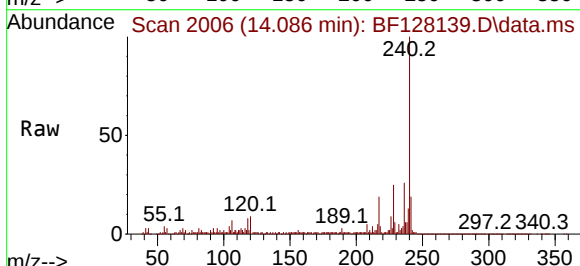
Tgt Ion:240 Resp: 196690

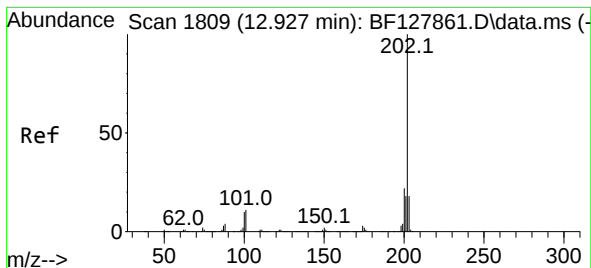
Ion Ratio Lower Upper

240 100

120 9.2 7.0 10.6

236 26.2 20.3 30.5





#78

Pyrene

Concen: 32.253 ng

RT: 12.886 min Scan# 1802

Delta R.T. -0.006 min

Lab File: BF128139.D

Acq: 06 May 2022 22:21

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1DL

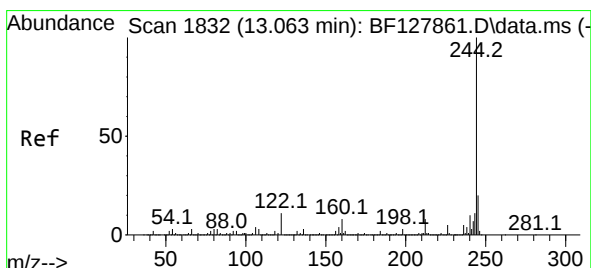
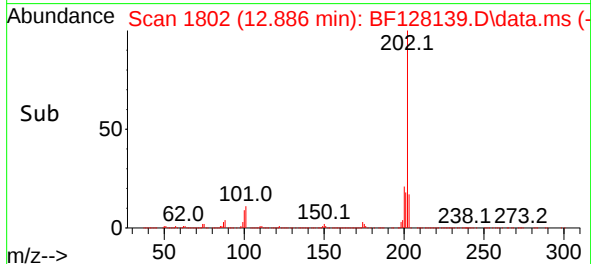
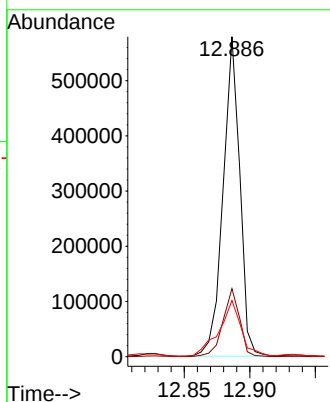
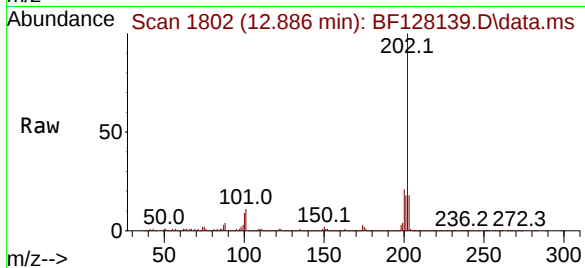
Tgt Ion:202 Resp: 512105

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

203 17.6 14.0 21.0



#79

Terphenyl-d14

Concen: 27.479 ng

RT: 13.022 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF128139.D

Acq: 06 May 2022 22:21

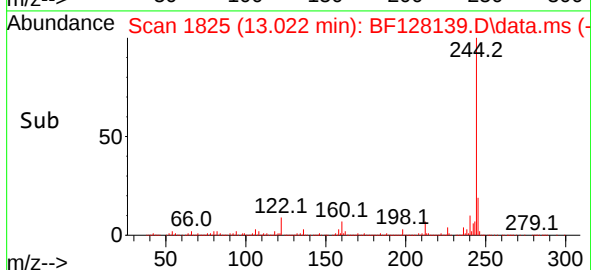
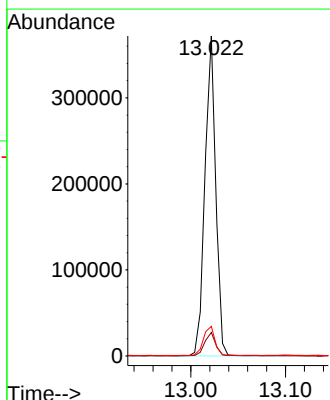
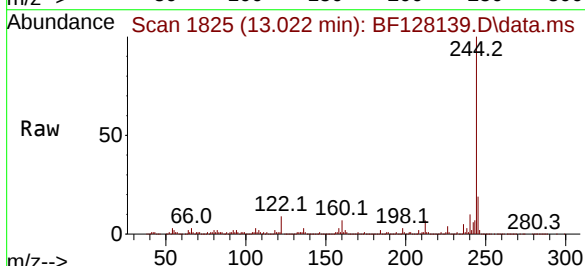
Tgt Ion:244 Resp: 295577

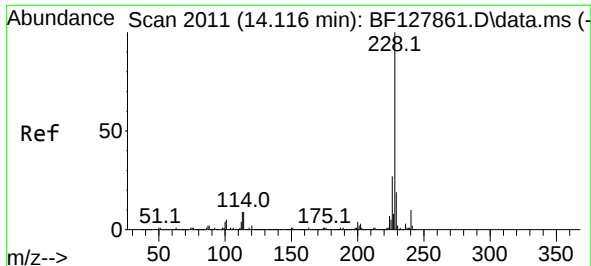
Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.4

122 9.3 8.6 12.8

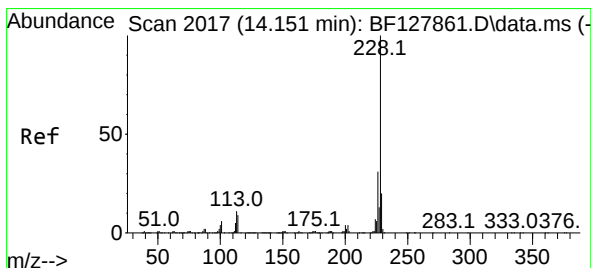
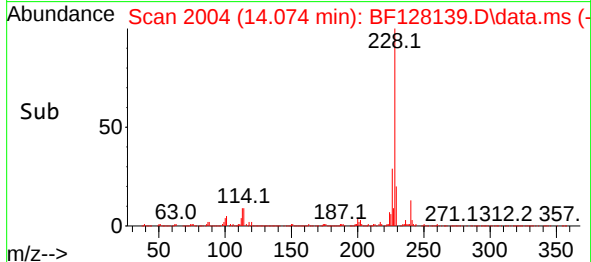
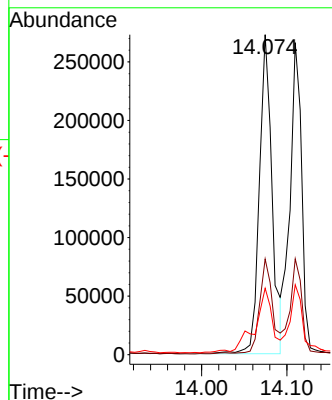
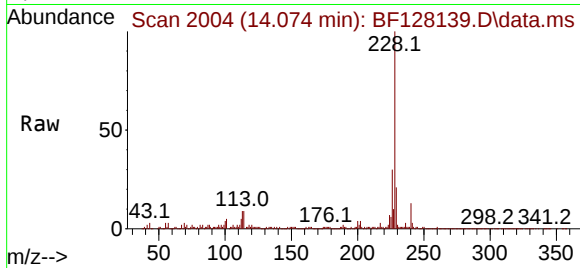




#81
Benzo(a)anthracene
Concen: 21.539 ng
RT: 14.074 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

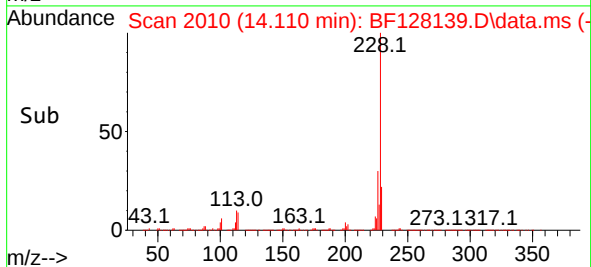
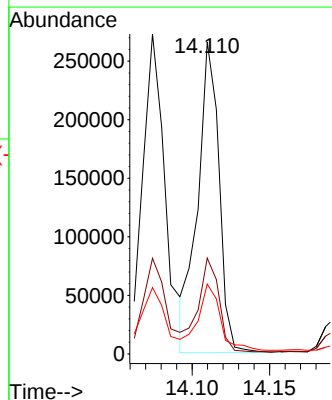
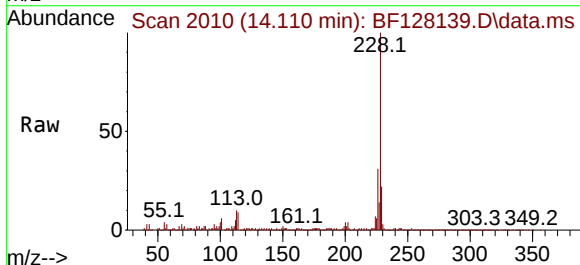
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1DL

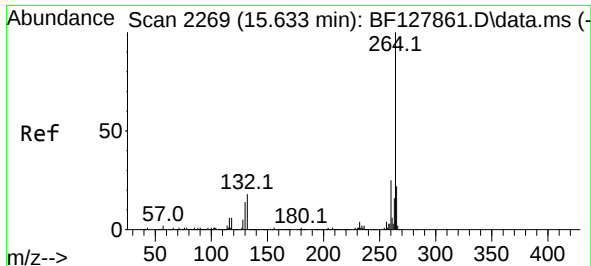
Tgt Ion:228 Resp: 282370
Ion Ratio Lower Upper
228 100
226 29.9 21.7 32.5
229 20.8 15.4 23.2



#83
Chrysene
Concen: 20.273 ng
RT: 14.110 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

Tgt Ion:228 Resp: 253834
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 22.4 15.8 23.8

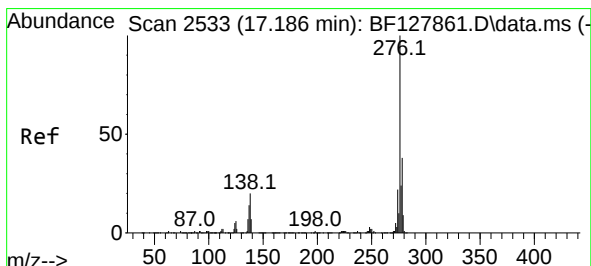
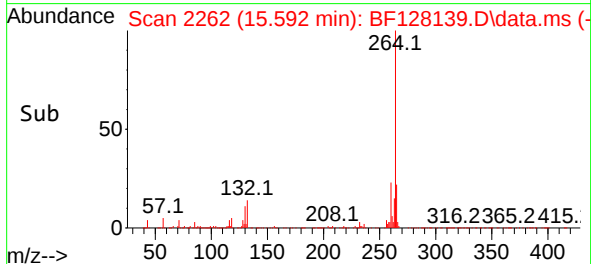
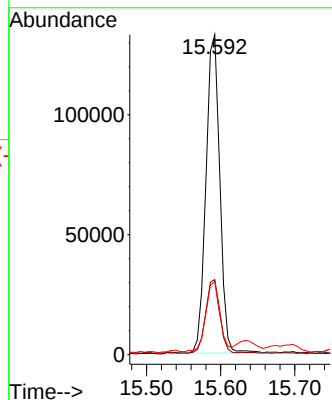
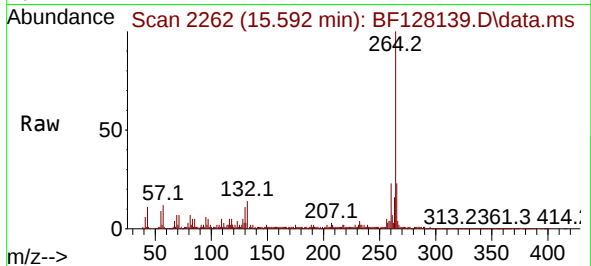




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

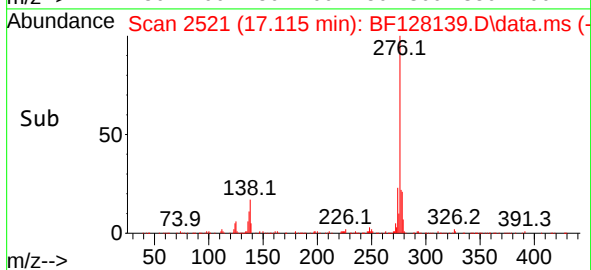
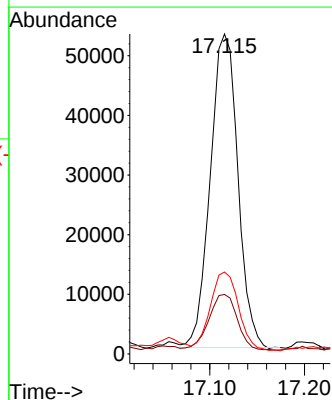
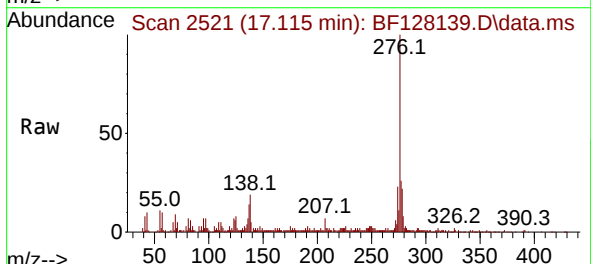
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1DL

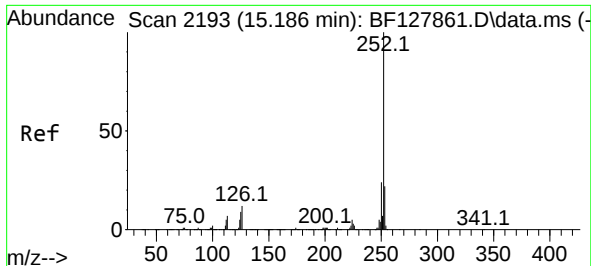
Tgt Ion:264 Resp: 173006
Ion Ratio Lower Upper
264 100
260 23.4 20.1 30.1
265 22.8 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.224 ng
RT: 17.115 min Scan# 2521
Delta R.T. -0.012 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

Tgt Ion:276 Resp: 106511
Ion Ratio Lower Upper
276 100
138 18.4 19.0 28.4#
277 25.9 20.1 30.1

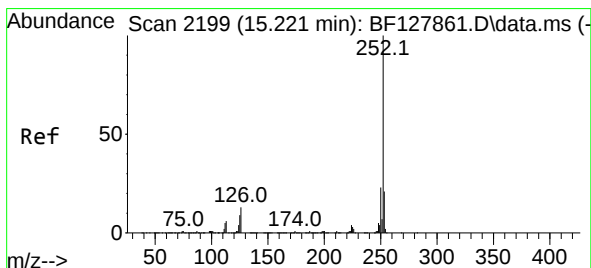
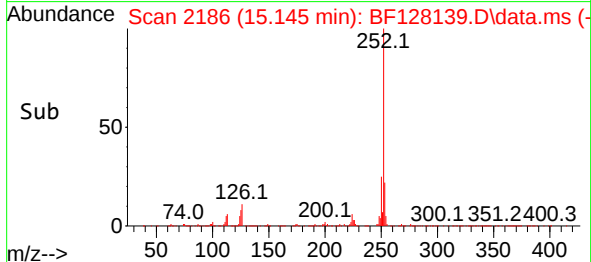
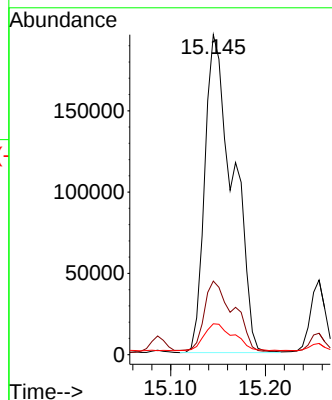
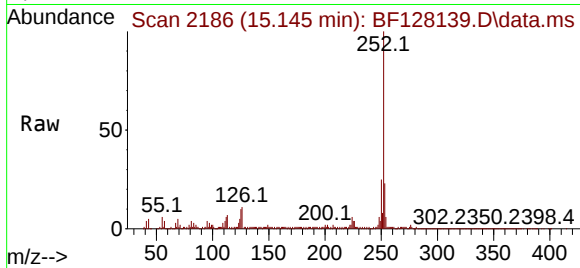




#88
Benzo(b)fluoranthene
Concen: 37.337 ng
RT: 15.145 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

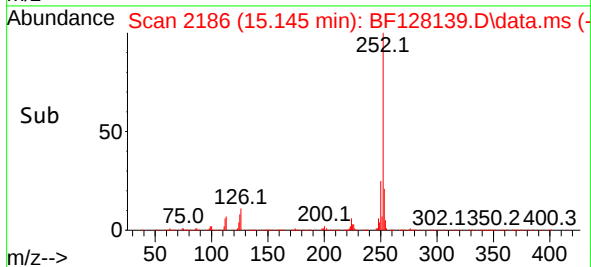
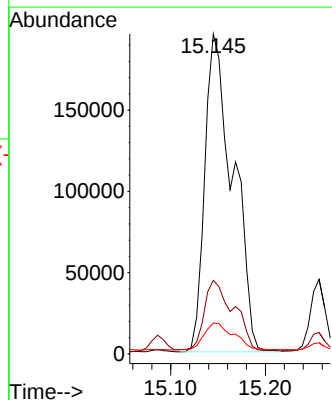
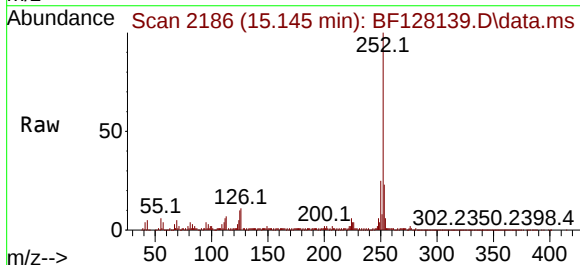
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1DL

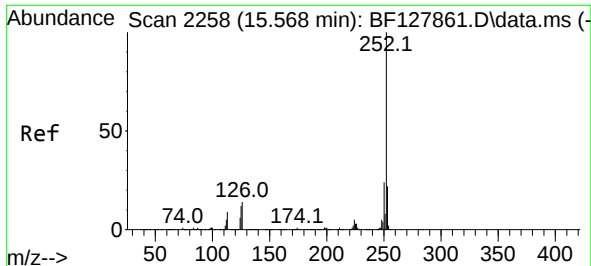
Tgt Ion:252 Resp: 405714
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 9.7 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 37.060 ng
RT: 15.145 min Scan# 2186
Delta R.T. -0.035 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

Tgt Ion:252 Resp: 405714
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.4
125 9.7 6.8 10.2

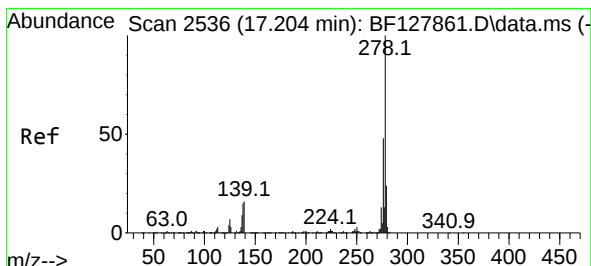
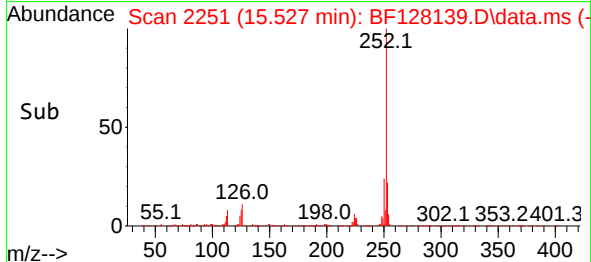
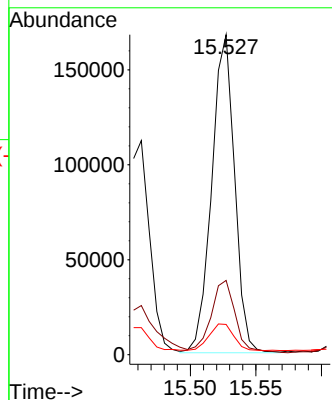
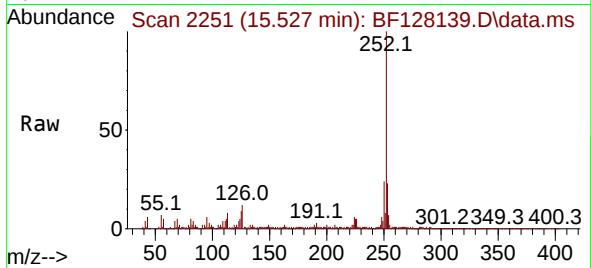




#90
Benzo(a)pyrene
Concen: 22.581 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

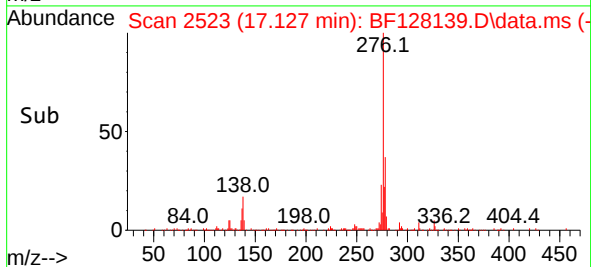
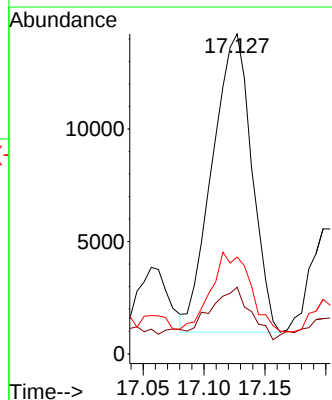
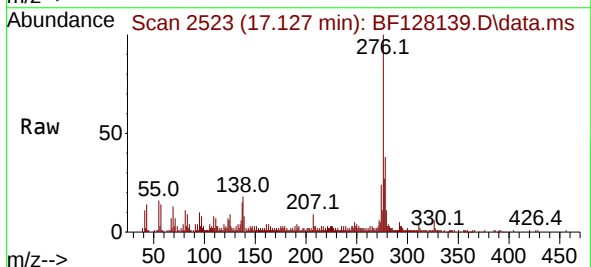
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1DL

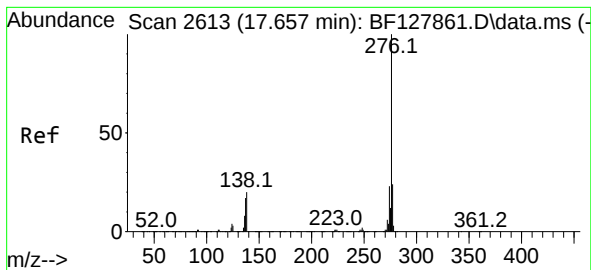
Tgt Ion:252 Resp: 203533
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 9.4 9.2 13.8



#91
Dibenzo(a,h)anthracene
Concen: 3.236 ng
RT: 17.127 min Scan# 2523
Delta R.T. -0.017 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

Tgt Ion:278 Resp: 29970
Ion Ratio Lower Upper
278 100
139 20.9 12.6 19.0#
279 30.3 18.9 28.3#





#92

Benzo(g,h,i)perylene

Concen: 9.717 ng

RT: 17.580 min Scan# 20

Delta R.T. -0.017 min

Lab File: BF128139.D

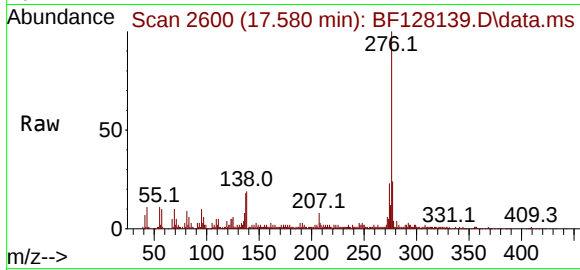
Acq: 06 May 2022 22:21

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1DL



Tgt Ion:276 Resp: 94843

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 19.4 16.2 24.2

