

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060222\
 Data File : BF128655.D
 Acq On : 02 Jun 2022 23:40
 Operator : CG\JU
 Sample : N3104-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-6

Quant Time: Jun 03 03:28:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 17:07:23 2022
 Response via : Initial Calibration

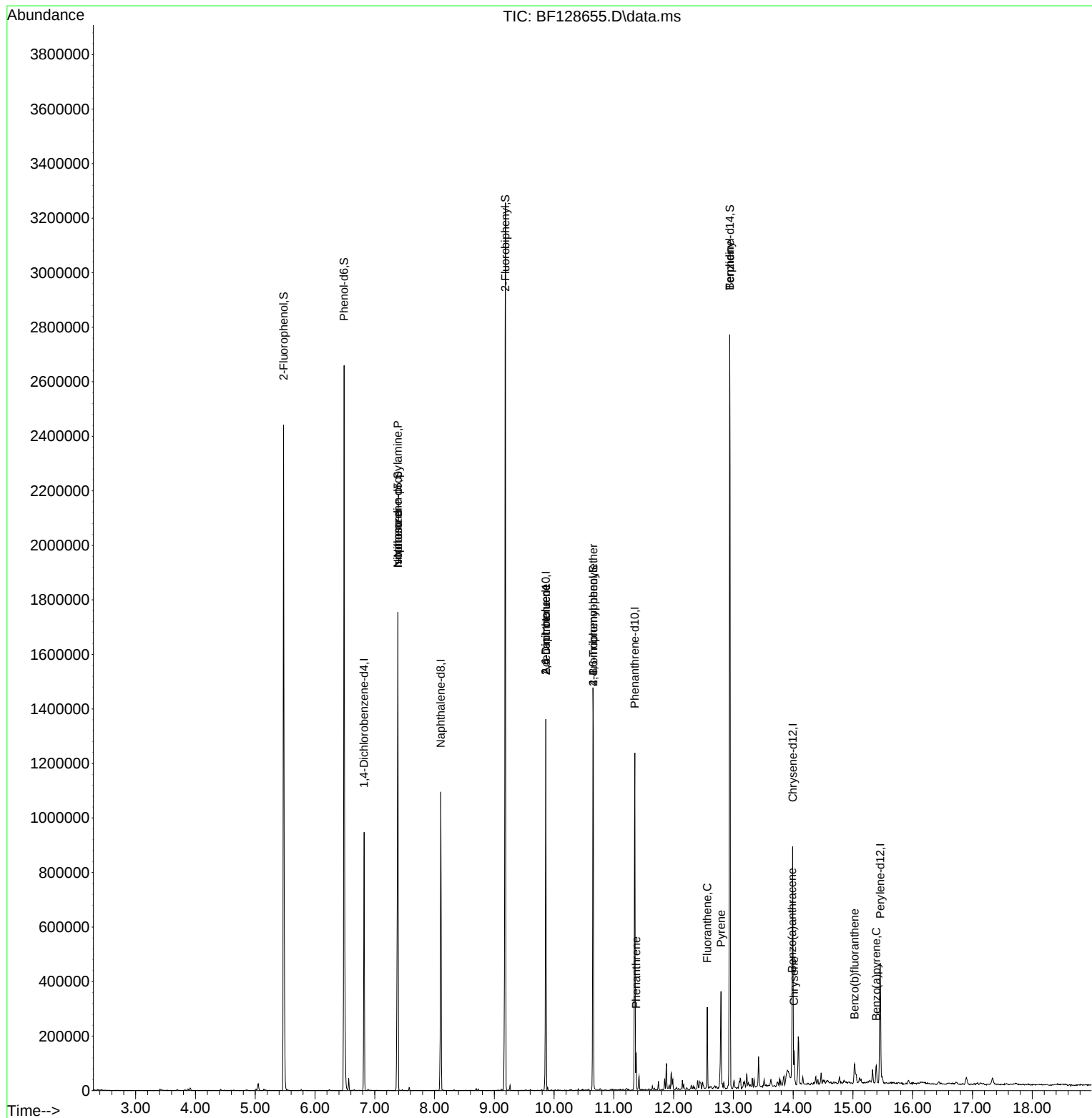
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	112905	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	434011	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	243053	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	430536	20.000	ng	# 0.00
76) Chrysene-d12	13.992	240	262546	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	202778	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	575947	81.253	ng	0.00
7) Phenol-d6	6.487	99	728491	84.194	ng	-0.01
23) Nitrobenzene-d5	7.386	82	535279	57.422	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	161109	56.100	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	984920	56.764	ng	0.00
79) Terphenyl-d14	12.939	244	942311	62.366	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.386	70	78871	14.661	ng	# 80
25) Isophorone	7.386	82	533873	37.709	ng	# 65
51) 2,6-Dinitrotoluene	9.863	165	30840	9.392	ng	# 26
57) 2,4-Dinitrotoluene	9.863	165	30840	7.038	ng	# 22
67) 4-Bromophenyl-phenylether	10.657	248	10755	2.240	ng	# 1
71) Phenanthrene	11.374	178	48285	2.236	ng	99
75) Fluoranthene	12.563	202	103925	4.604	ng	95
77) Benzidine	12.939	184	15212	2.907	ng	# 91
78) Pyrene	12.792	202	134367	6.879	ng	98
81) Benzo(a)anthracene	13.980	228	52478	3.207	ng	97
83) Chrysene	14.015	228	44196	2.833	ng	96
88) Benzo(b)fluoranthene	15.027	252	52153	4.025	ng	# 95
90) Benzo(a)pyrene	15.392	252	31178	3.061	ng	98

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

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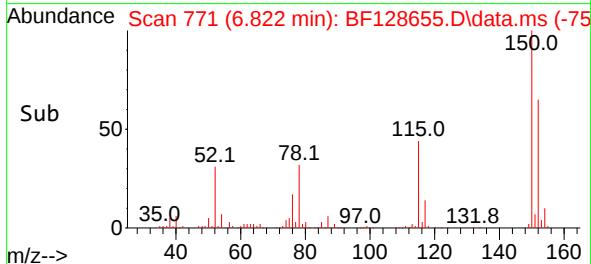
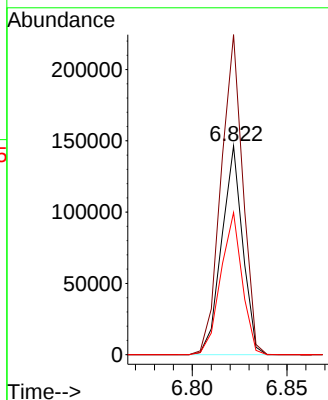
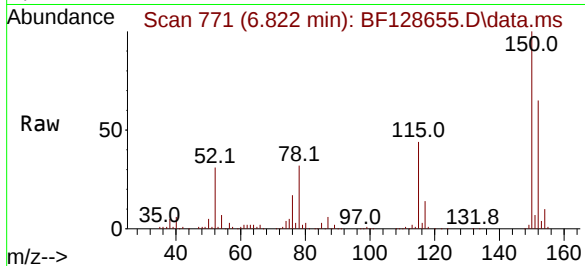




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128655.D
Acq: 02 Jun 2022 23:40

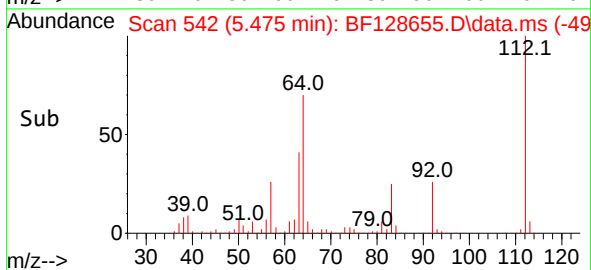
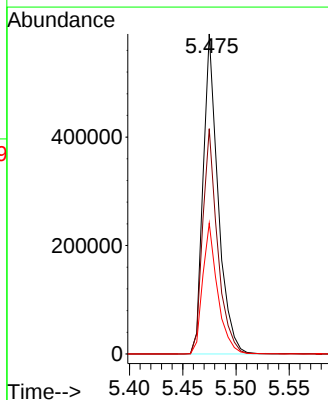
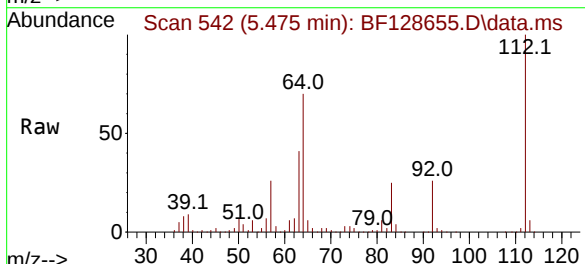
Instrument :
BNA_F
ClientSampleId :
WC-6

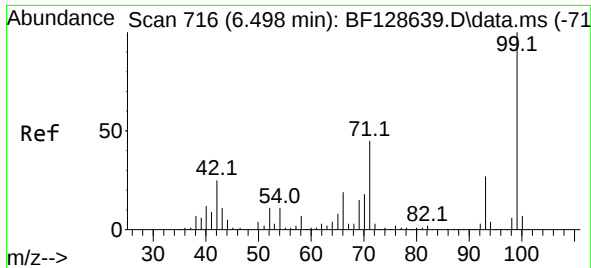
Tgt Ion:152 Resp: 112905
Ion Ratio Lower Upper
152 100
150 153.3 123.7 185.5
115 68.0 49.9 74.9



#5
2-Fluorophenol
Concen: 81.253 ng
RT: 5.475 min Scan# 542
Delta R.T. -0.000 min
Lab File: BF128655.D
Acq: 02 Jun 2022 23:40

Tgt Ion:112 Resp: 575947
Ion Ratio Lower Upper
112 100
64 70.4 53.3 79.9
63 40.9 28.0 42.0

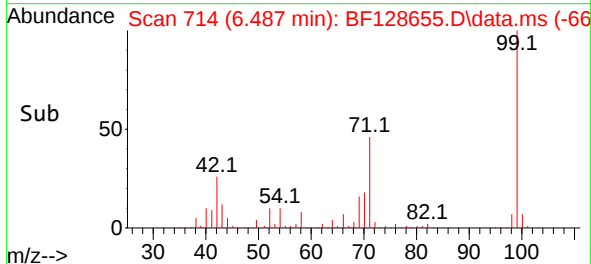
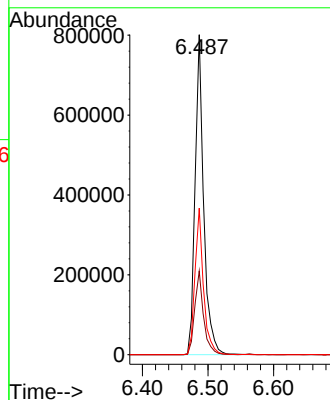
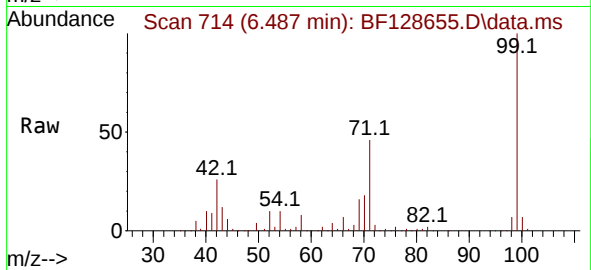




#7
Phenol-d6
Concen: 84.194 ng
RT: 6.487 min Scan# 716
Delta R.T. -0.011 min
Lab File: BF128655.D
Acq: 02 Jun 2022 23:40

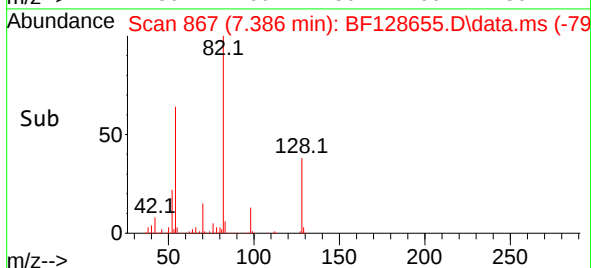
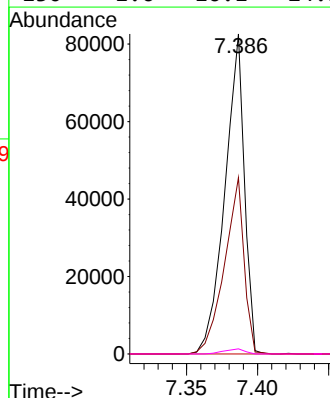
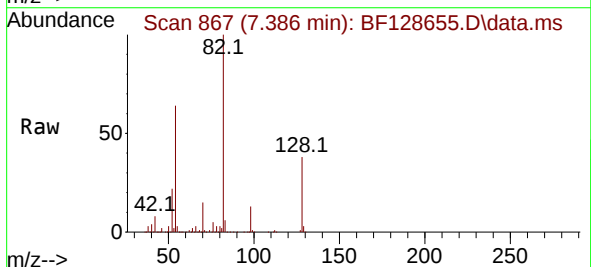
Instrument :
BNA_F
ClientSampleId :
WC-6

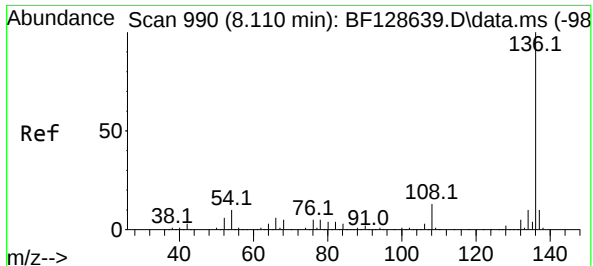
Tgt Ion: 99 Resp: 728491
Ion Ratio Lower Upper
99 100
42 26.2 17.3 25.9#
71 45.8 28.9 43.3#



#19
n-Nitroso-di-n-propylamine
Concen: 14.661 ng
RT: 7.386 min Scan# 867
Delta R.T. 0.141 min
Lab File: BF128655.D
Acq: 02 Jun 2022 23:40

Tgt Ion: 70 Resp: 78871
Ion Ratio Lower Upper
70 100
42 55.1 52.3 78.5
101 0.0 7.5 11.3#
130 1.6 16.1 24.1#

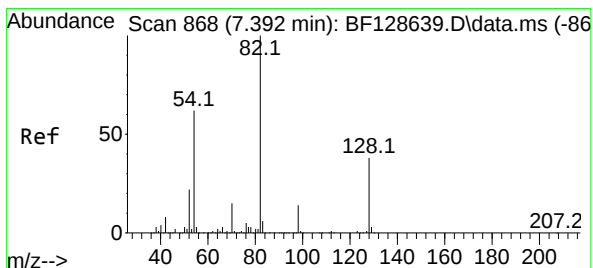
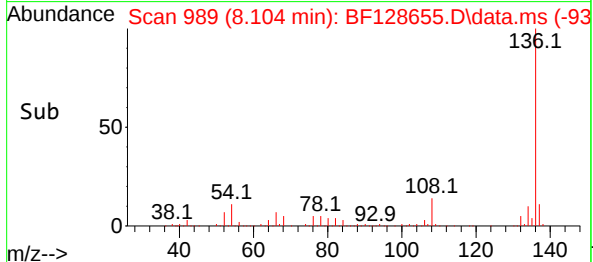
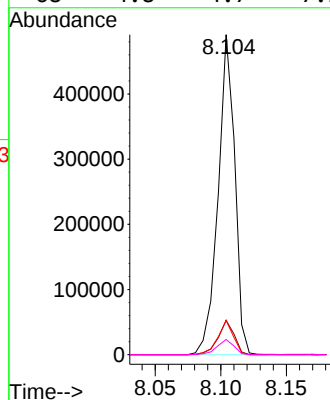
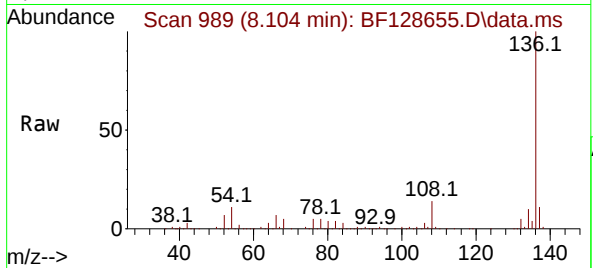




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128655.D
Acq: 02 Jun 2022 23:40

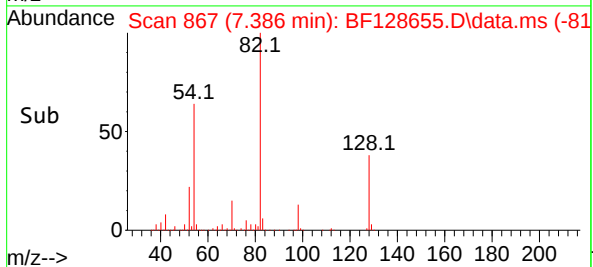
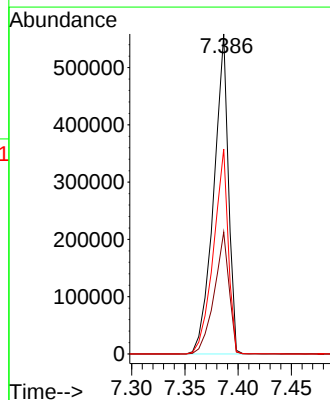
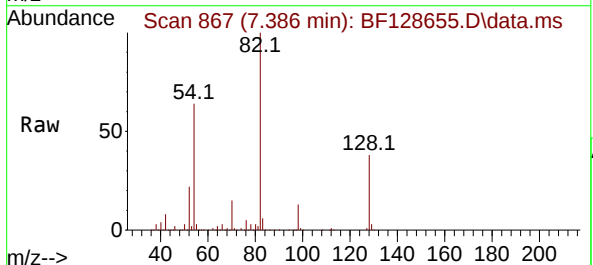
Instrument :
BNA_F
ClientSampleId :
WC-6

Tgt Ion:136 Resp: 434011
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 10.7 7.5 11.3
68 4.8 4.7 7.1



#23
Nitrobenzene-d5
Concen: 57.422 ng
RT: 7.386 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF128655.D
Acq: 02 Jun 2022 23:40

Tgt Ion: 82 Resp: 535279
Ion Ratio Lower Upper
82 100
128 38.1 34.0 51.0
54 64.1 46.9 70.3

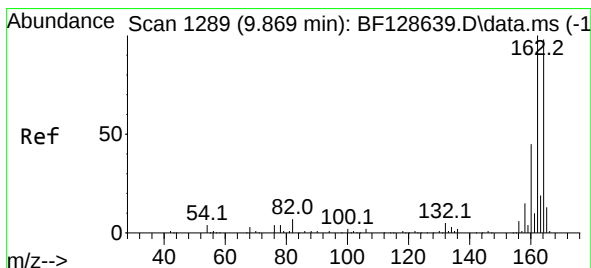
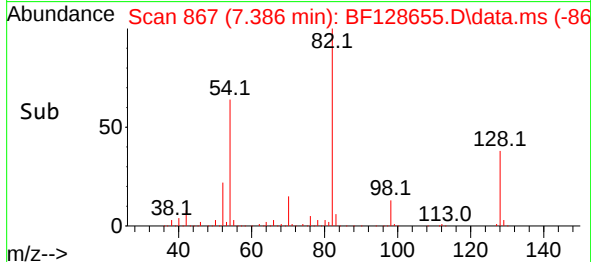
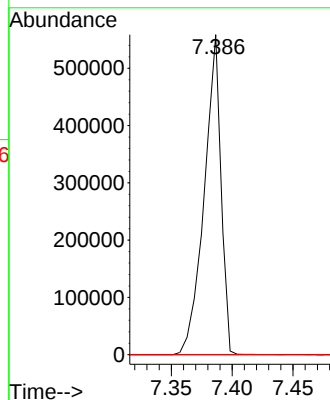
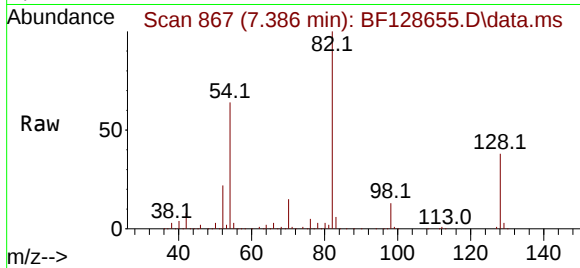




#25
Isophorone
Concen: 37.709 ng
RT: 7.386 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF128655.D
Acq: 02 Jun 2022 23:40

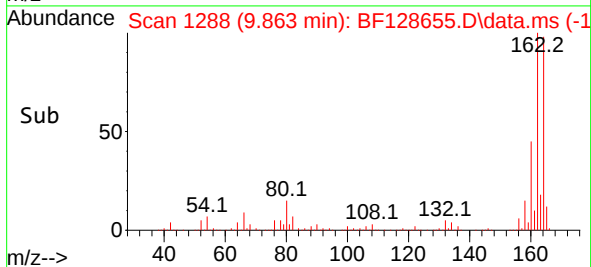
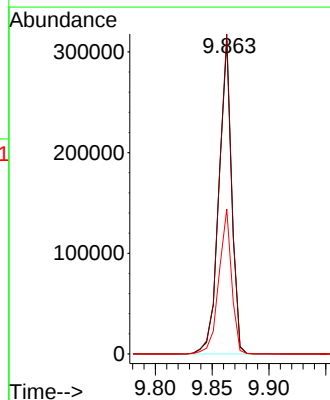
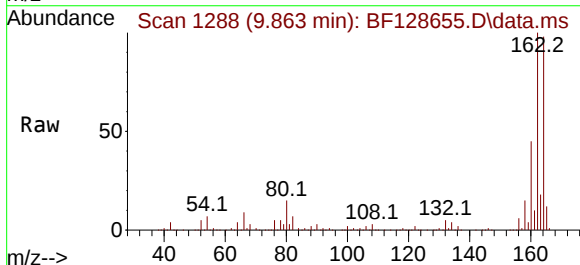
Instrument :
BNA_F
ClientSampleId :
WC-6

Tgt Ion: 82 Resp: 533873
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF128655.D
Acq: 02 Jun 2022 23:40

Tgt Ion:164 Resp: 243053
Ion Ratio Lower Upper
164 100
162 102.1 79.5 119.3
160 46.3 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 56.100 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF128655.D

Acq: 02 Jun 2022 23:40

Instrument :

BNA_F

ClientSampleId :

WC-6

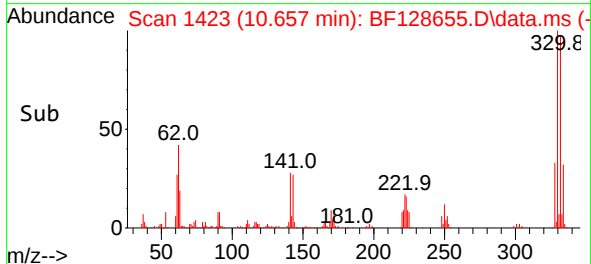
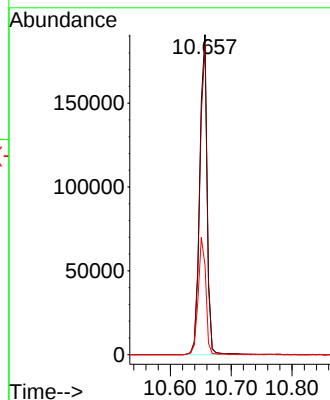
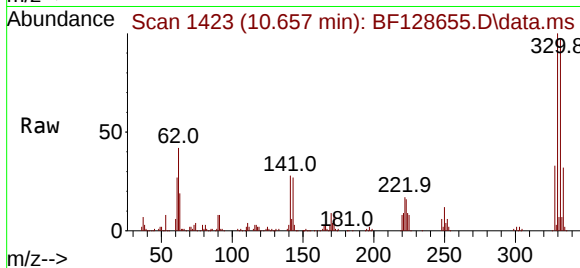
Tgt Ion:330 Resp: 161109

Ion Ratio Lower Upper

330 100

332 95.3 76.8 115.2

141 37.6 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 56.764 ng

RT: 9.186 min Scan# 1173

Delta R.T. -0.006 min

Lab File: BF128655.D

Acq: 02 Jun 2022 23:40

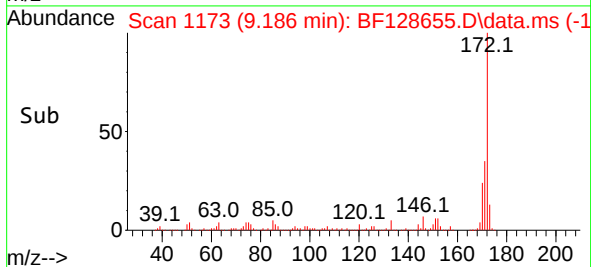
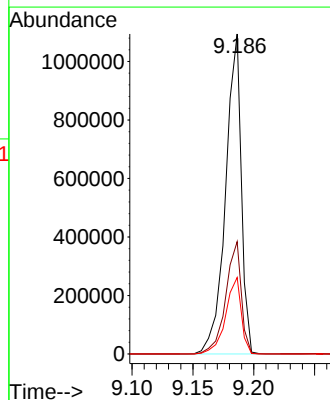
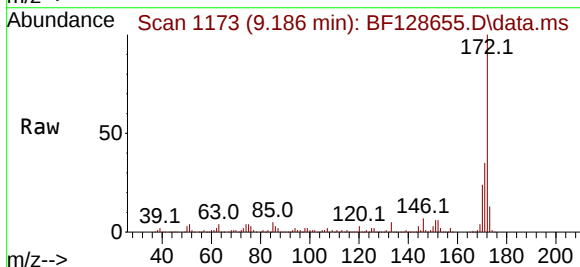
Tgt Ion:172 Resp: 984920

Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 23.9 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 9.392 ng

RT: 9.863 min Scan# 1288

Delta R.T. 0.206 min

Lab File: BF128655.D

Acq: 02 Jun 2022 23:40

Instrument :

BNA_F

ClientSampleId :

WC-6

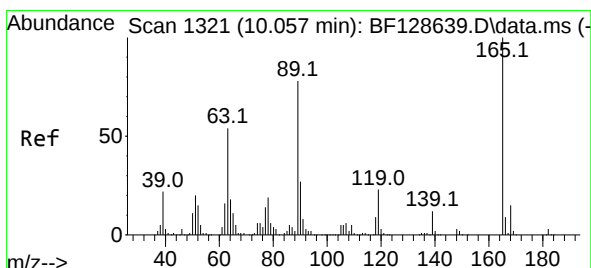
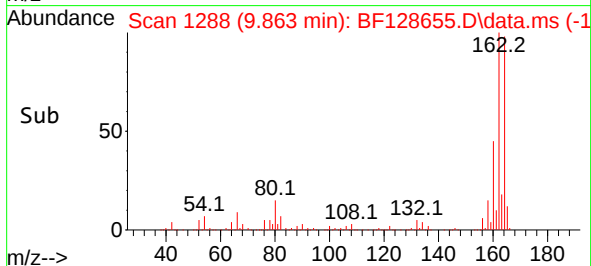
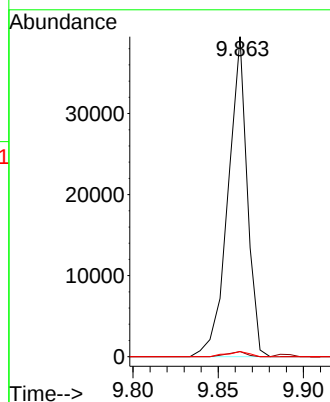
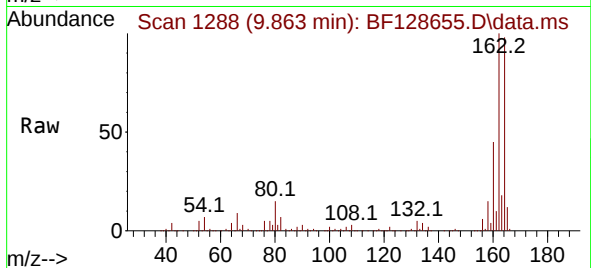
Tgt Ion:165 Resp: 30840

Ion Ratio Lower Upper

165 100

63 1.6 44.9 67.3#

89 1.6 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 7.038 ng

RT: 9.863 min Scan# 1288

Delta R.T. -0.194 min

Lab File: BF128655.D

Acq: 02 Jun 2022 23:40

Tgt Ion:165 Resp: 30840

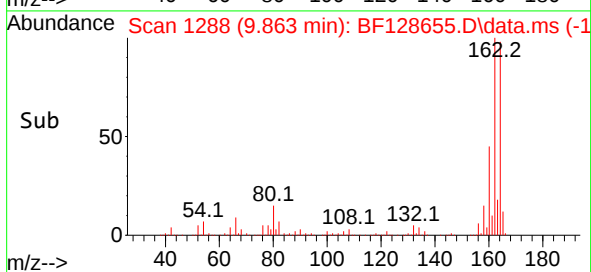
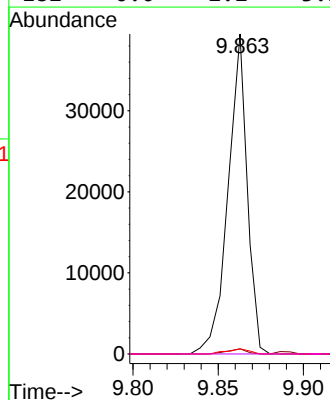
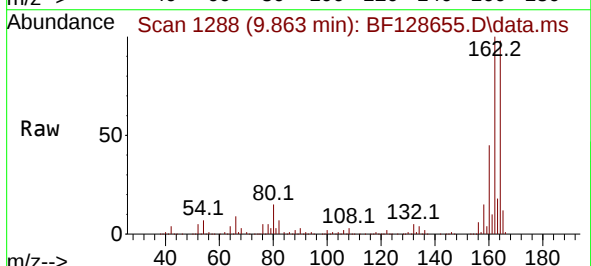
Ion Ratio Lower Upper

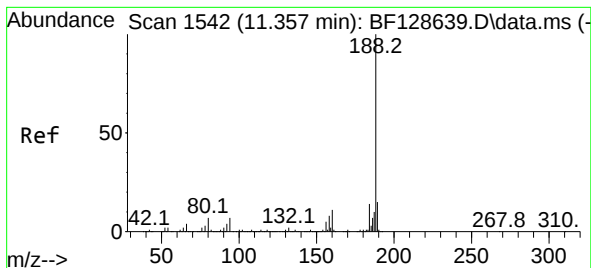
165 100

63 1.6 39.8 59.6#

89 1.6 60.2 90.2#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128655.D

Acq: 02 Jun 2022 23:40

Instrument :

BNA_F

ClientSampleId :

WC-6

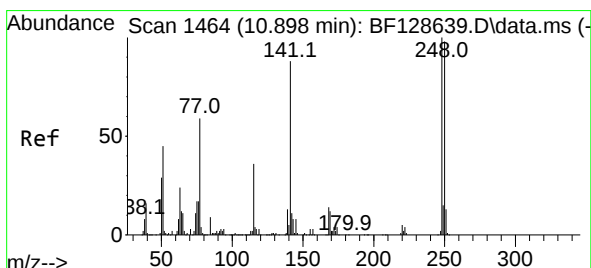
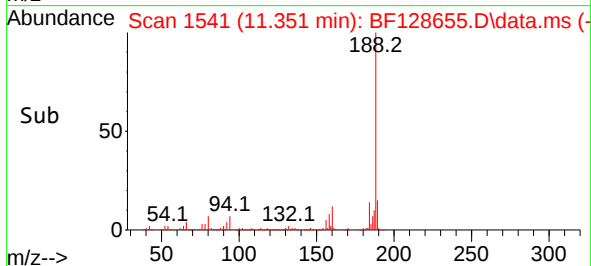
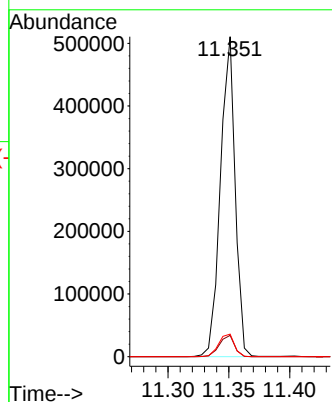
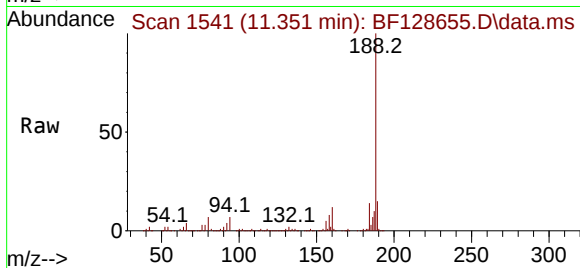
Tgt Ion:188 Resp: 430536

Ion Ratio Lower Upper

188 100

94 6.6 7.0 10.6#

80 7.1 7.6 11.4#



#67

4-Bromophenyl-phenylether

Concen: 2.240 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.241 min

Lab File: BF128655.D

Acq: 02 Jun 2022 23:40

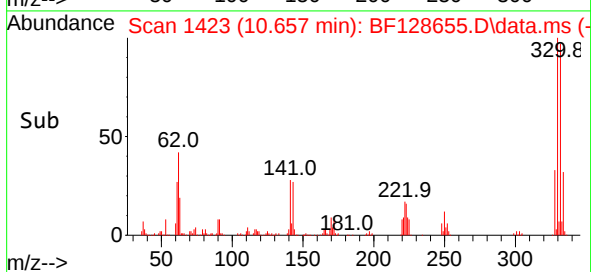
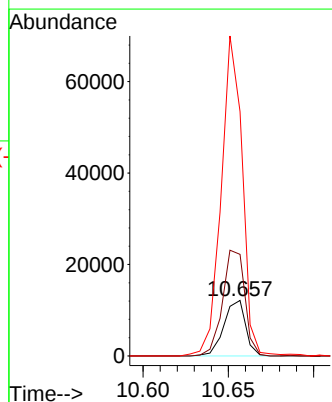
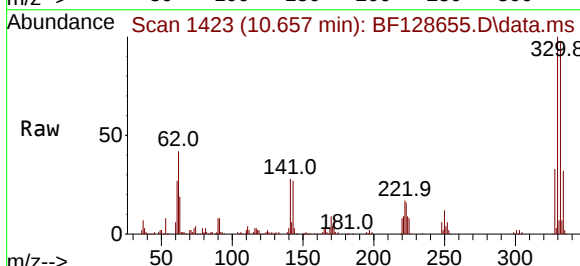
Tgt Ion:248 Resp: 10755

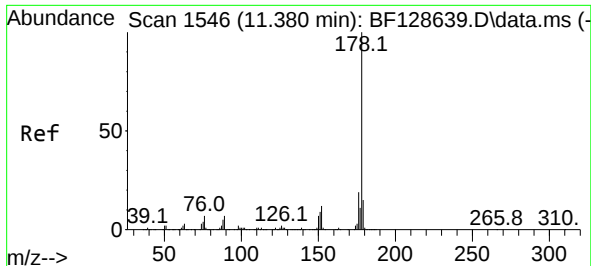
Ion Ratio Lower Upper

248 100

250 183.1 80.6 120.8#

141 440.0 58.9 88.3#

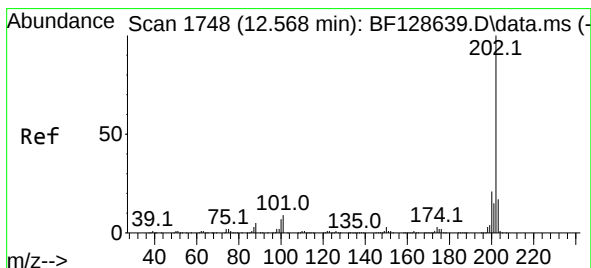
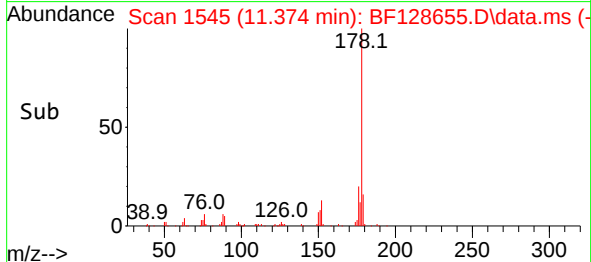
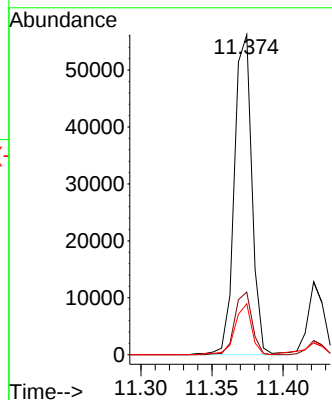
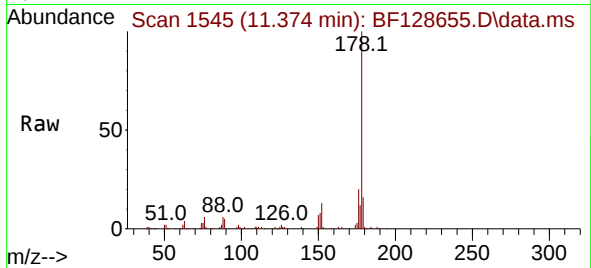




#71
Phenanthrene
Concen: 2.236 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128655.D
Acq: 02 Jun 2022 23:40

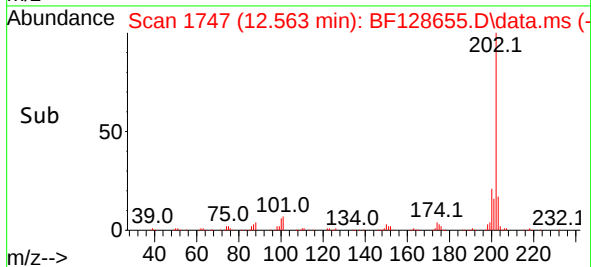
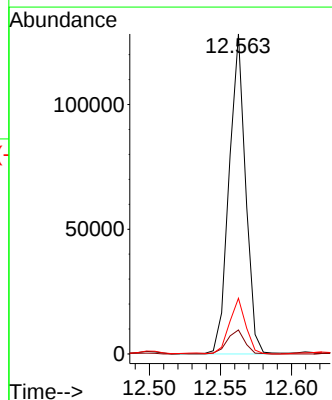
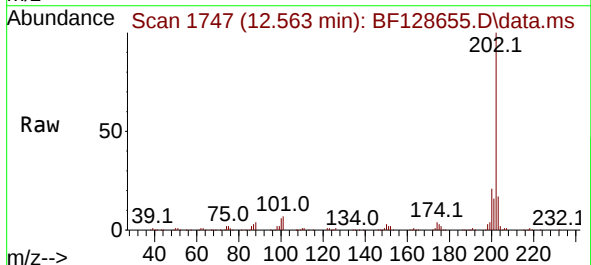
Instrument :
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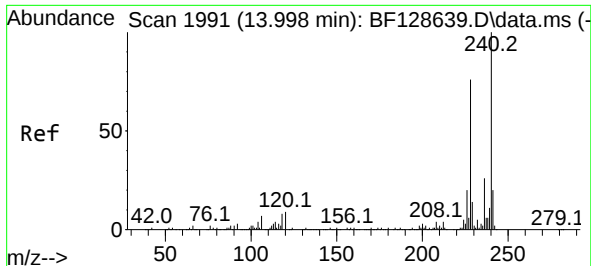
Tgt Ion:178 Resp: 48285
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 15.9 12.6 19.0



#75
Fluoranthene
Concen: 4.604 ng
RT: 12.563 min Scan# 1747
Delta R.T. -0.006 min
Lab File: BF128655.D
Acq: 02 Jun 2022 23:40

Tgt Ion:202 Resp: 103925
Ion Ratio Lower Upper
202 100
101 7.5 0.0 31.4
203 17.4 0.0 38.0

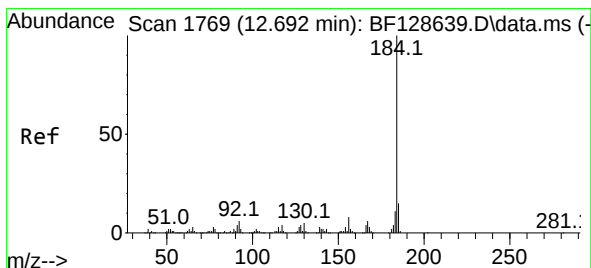
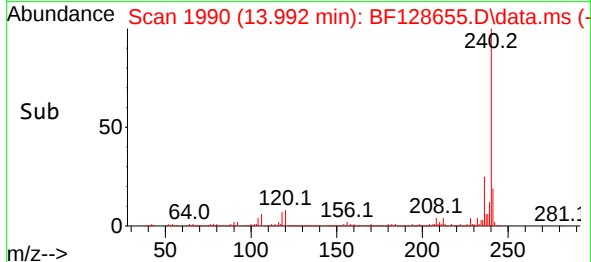
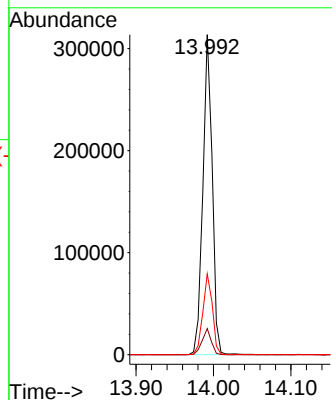
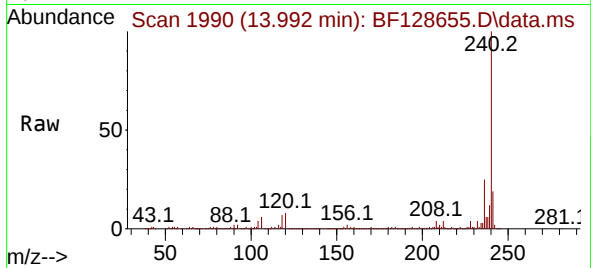




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF128655.D
Acq: 02 Jun 2022 23:40

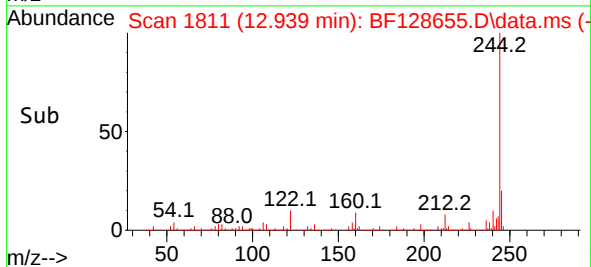
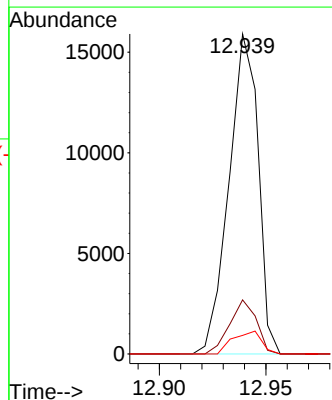
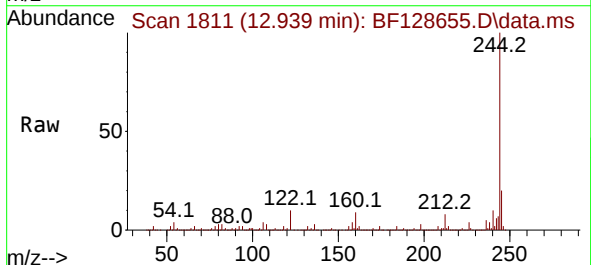
Instrument :
BNA_F
ClientSampleId :
WC-6

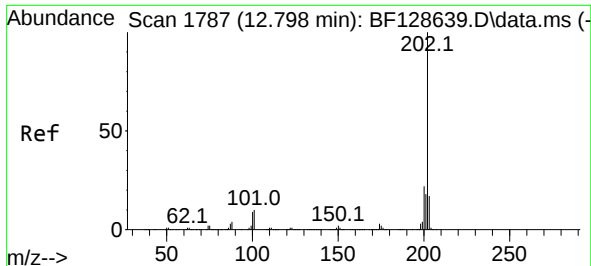
Tgt Ion:240 Resp: 262546
Ion Ratio Lower Upper
240 100
120 8.1 8.9 13.3#
236 25.3 20.8 31.2



#77
Benzidine
Concen: 2.907 ng
RT: 12.939 min Scan# 1811
Delta R.T. 0.247 min
Lab File: BF128655.D
Acq: 02 Jun 2022 23:40

Tgt Ion:184 Resp: 15212
Ion Ratio Lower Upper
184 100
185 16.9 11.9 17.9
183 5.8 9.3 13.9#

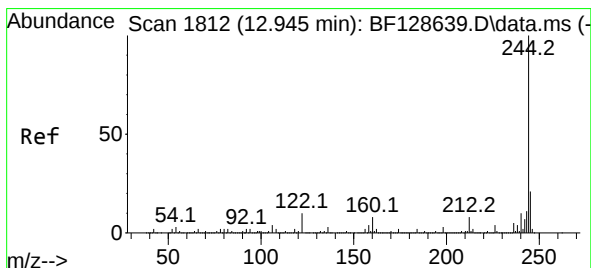
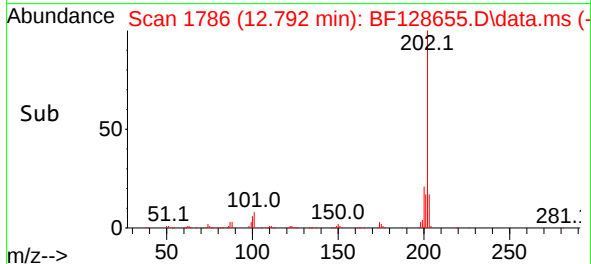
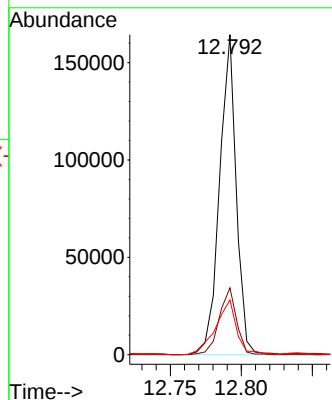
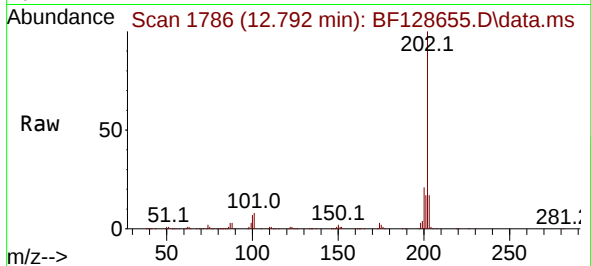




#78
Pyrene
Concen: 6.879 ng
RT: 12.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128655.D
Acq: 02 Jun 2022 23:40

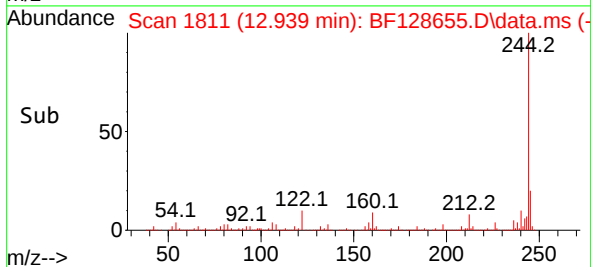
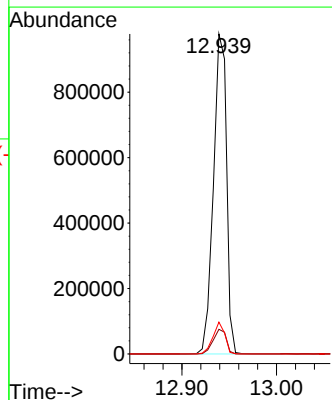
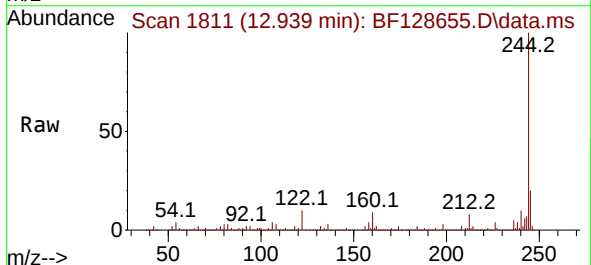
Instrument :
BNA_F
ClientSampleId :
WC-6

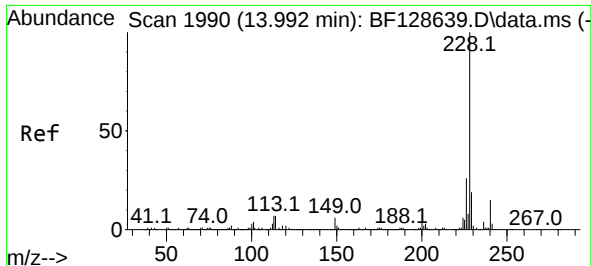
Tgt Ion:202 Resp: 134367
Ion Ratio Lower Upper
202 100
200 20.9 17.7 26.5
203 17.1 14.6 21.8



#79
Terphenyl-d14
Concen: 62.366 ng
RT: 12.939 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF128655.D
Acq: 02 Jun 2022 23:40

Tgt Ion:244 Resp: 942311
Ion Ratio Lower Upper
244 100
212 7.7 6.1 9.1
122 9.9 8.8 13.2

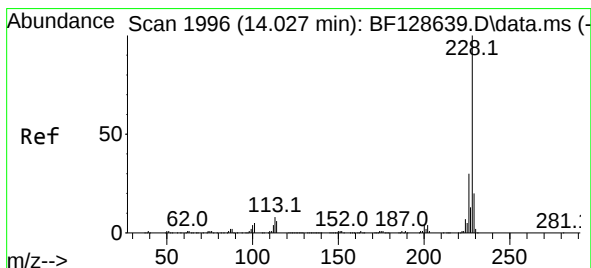
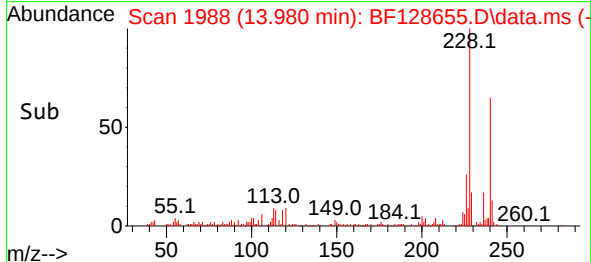
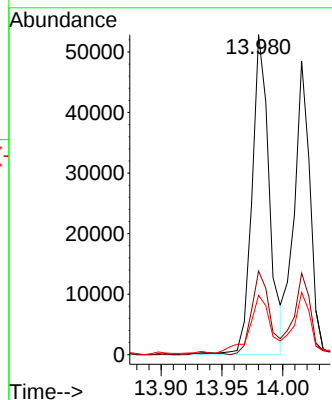
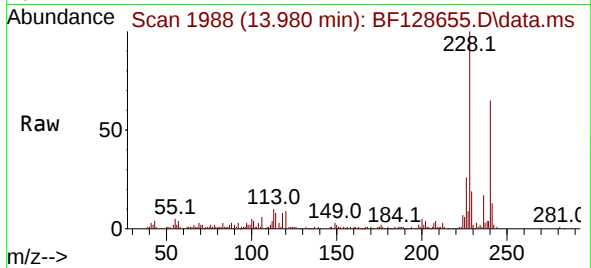




#81
Benzo(a)anthracene
Concen: 3.207 ng
RT: 13.980 min Scan# 1988
Delta R.T. -0.012 min
Lab File: BF128655.D
Acq: 02 Jun 2022 23:40

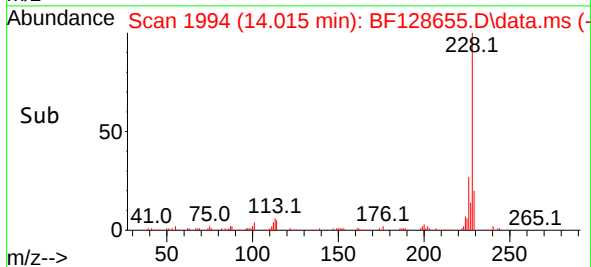
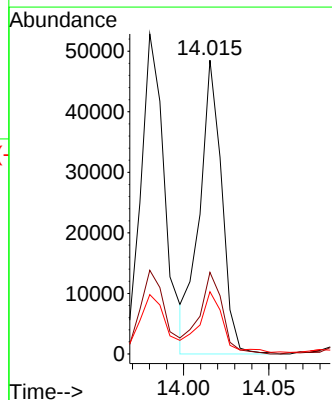
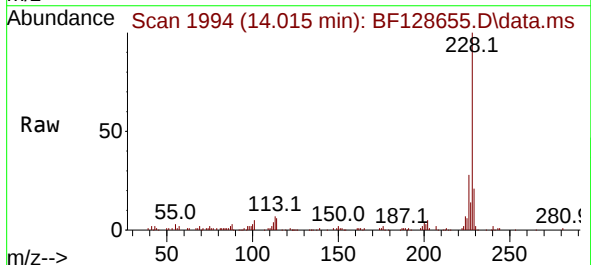
Instrument :
BNA_F
ClientSampleId :
WC-6

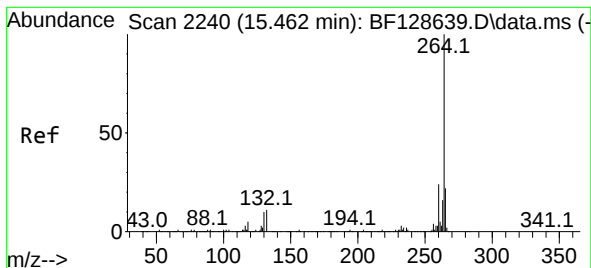
Tgt Ion:228 Resp: 52478
Ion Ratio Lower Upper
228 100
226 26.2 22.1 33.1
229 18.6 15.8 23.8



#83
Chrysene
Concen: 2.833 ng
RT: 14.015 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF128655.D
Acq: 02 Jun 2022 23:40

Tgt Ion:228 Resp: 44196
Ion Ratio Lower Upper
228 100
226 27.8 24.3 36.5
229 21.2 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.005 min

Lab File: BF128655.D

Acq: 02 Jun 2022 23:40

Instrument :

BNA_F

ClientSampleId :

WC-6

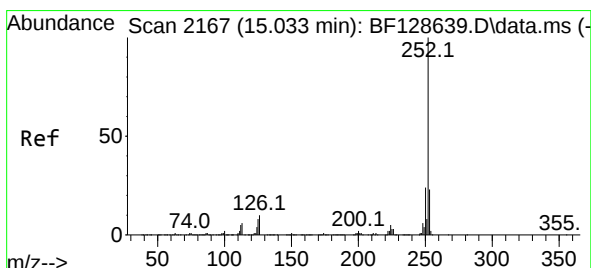
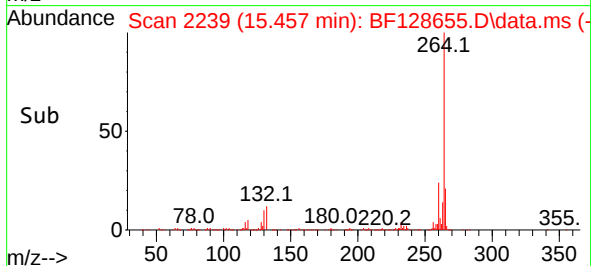
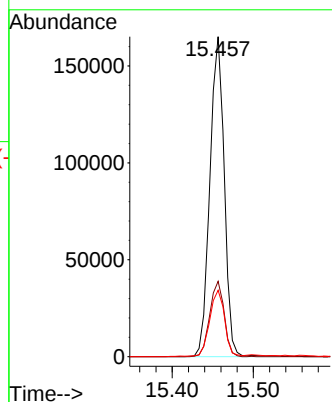
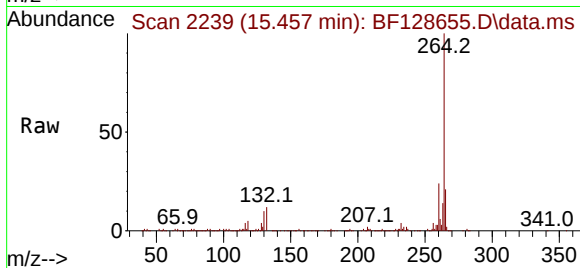
Tgt Ion:264 Resp: 202778

Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 20.8 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 4.025 ng

RT: 15.027 min Scan# 2166

Delta R.T. -0.006 min

Lab File: BF128655.D

Acq: 02 Jun 2022 23:40

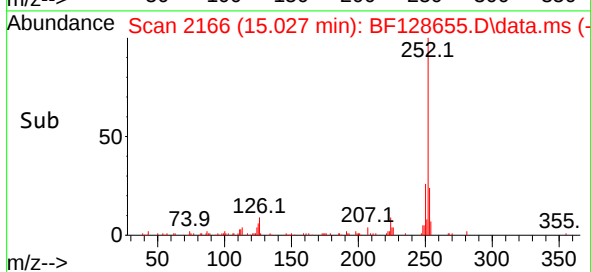
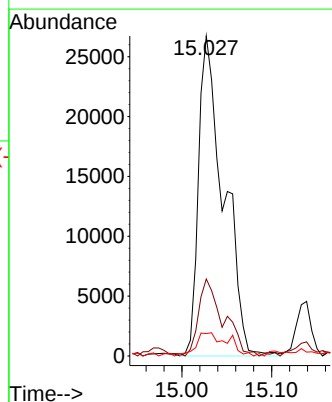
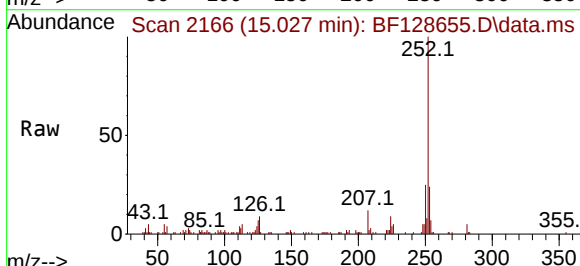
Tgt Ion:252 Resp: 52153

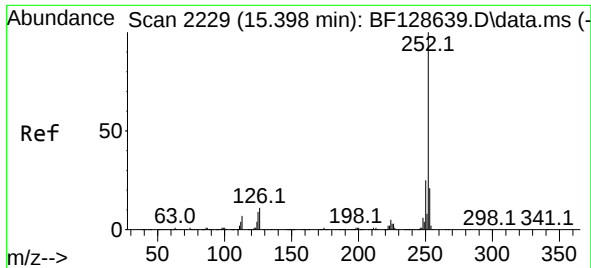
Ion Ratio Lower Upper

252 100

253 24.0 17.7 26.5

125 7.0 8.0 12.0#





#90
 Benzo(a)pyrene
 Concen: 3.061 ng
 RT: 15.392 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF128655.D
 Acq: 02 Jun 2022 23:40

Instrument :
 BNA_F
 ClientSampleId :
 WC-6

Tgt Ion:252 Resp: 31178
 Ion Ratio Lower Upper
 252 100
 253 20.8 17.0 25.6
 125 9.0 8.8 13.2

