

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
 Data File : BF128975.D
 Acq On : 24 Jun 2022 02:24
 Operator : CG\JU
 Sample : N3465-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-E1(0-4)

Quant Time: Jun 24 04:40:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 00:50:48 2022
 Response via : Initial Calibration

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

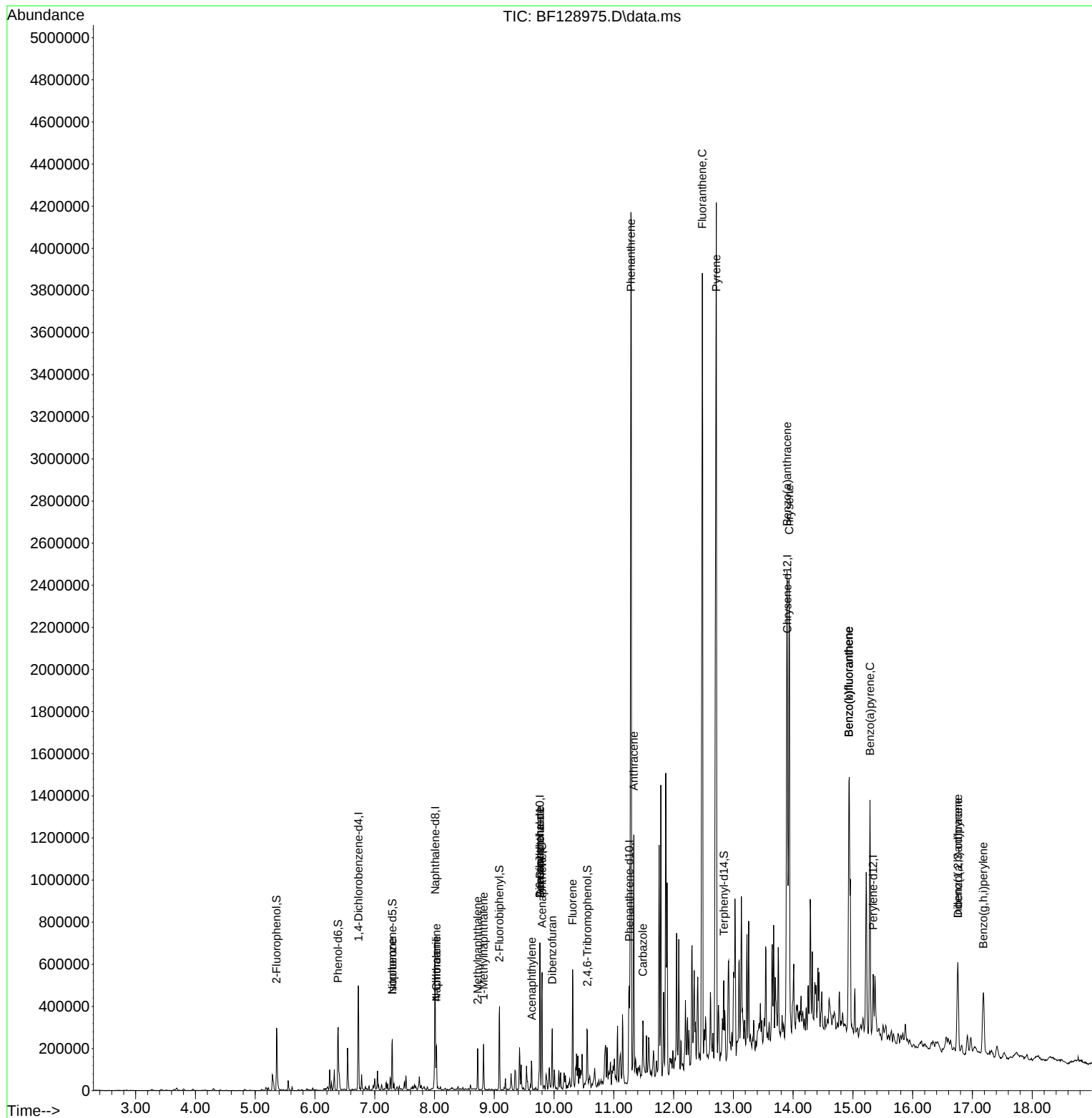
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	72835	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	262958	20.000	ng	# 0.00
39) Acenaphthene-d10	9.763	164	127785	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	208918	20.000	ng	# 0.00
76) Chrysene-d12	13.904	240	176360	20.000	ng	0.00
86) Perylene-d12	15.339	264	131980	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	77368	16.920	ng	0.00
7) Phenol-d6	6.387	99	97996	17.557	ng	0.00
23) Nitrobenzene-d5	7.293	82	66913	11.847	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	20601	13.644	ng	0.00
45) 2-Fluorobiphenyl	9.087	172	113585	12.451	ng	0.00
79) Terphenyl-d14	12.839	244	106789	10.522	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.293	82	65502	7.636	ng	# 65
31) Naphthalene	8.034	128	79925	5.922	ng	99
33) 4-Chloroaniline	8.034	127	10788	2.120	ng	# 39
37) 2-Methylnaphthalene	8.722	142	44061	5.133	ng	98
38) 1-Methylnaphthalene	8.822	142	46454	5.601	ng	99
49) Acenaphthylene	9.628	152	32393	2.892	ng	96
50) Dimethylphthalate	9.763	163	22607	2.585	ng	# 1
51) 2,6-Dinitrotoluene	9.763	165	19940	11.551	ng	# 26
52) Acenaphthene	9.798	154	103153	14.142	ng	98
55) Dibenzofuran	9.969	168	69455	6.626	ng	# 93
58) Fluorene	10.310	166	140651	17.302	ng	98
71) Phenanthrene	11.286	178	1893755	180.721	ng	100
72) Anthracene	11.334	178	383933	37.017	ng	100
73) Carbazole	11.486	167	91631	9.512	ng	98
75) Fluoranthene	12.480	202	1814435	165.648	ng	99
78) Pyrene	12.716	202	2023167	154.192	ng	99
81) Benzo(a)anthracene	13.898	228	1021470	92.919	ng	98
83) Chrysene	13.933	228	827732	78.978	ng	99
87) Indeno(1,2,3-cd)pyrene	16.757	276	250732	31.520	ng	# 87
88) Benzo(b)fluoranthene	14.933	252	953707	113.088	ng	99
89) Benzo(k)fluoranthene	14.933	252	953707	120.217	ng	98
90) Benzo(a)pyrene	15.286	252	538743	81.279	ng	96
91) Dibenzo(a,h)anthracene	16.757	278	74040	11.221	ng	# 92
92) Benzo(g,h,i)perylene	17.180	276	244885	37.447	ng	# 92

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

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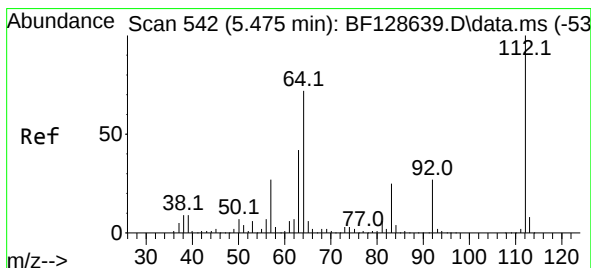
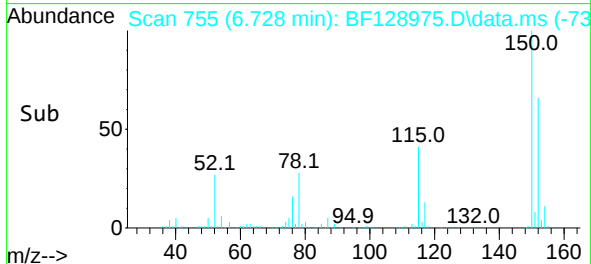
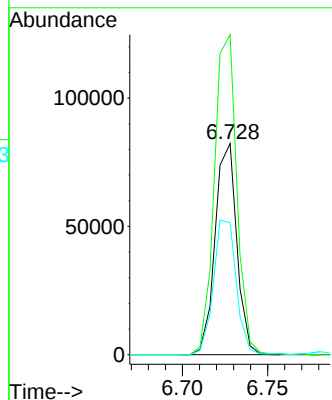
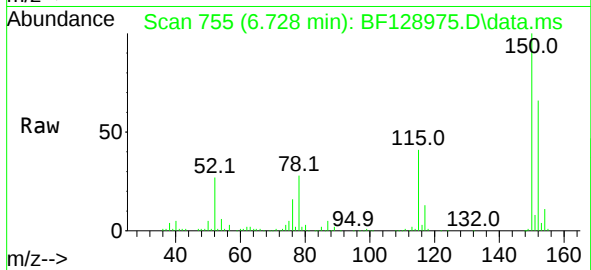




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

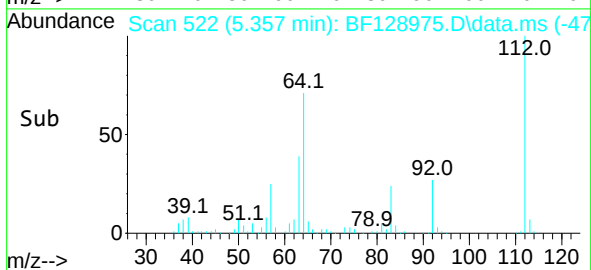
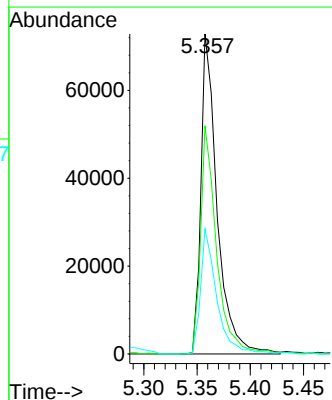
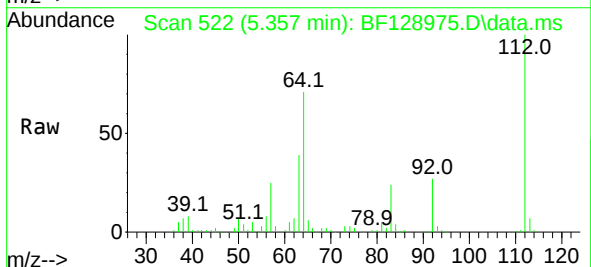
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)

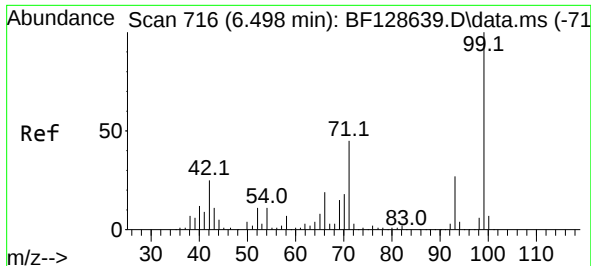
Tgt Ion:152 Resp: 72835
Ion Ratio Lower Upper
152 100
150 151.5 123.7 185.5
115 62.5 49.9 74.9



#5
2-Fluorophenol
Concen: 16.920 ng
RT: 5.357 min Scan# 522
Delta R.T. 0.000 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

Tgt Ion:112 Resp: 77368
Ion Ratio Lower Upper
112 100
64 71.3 53.3 79.9
63 39.1 28.0 42.0

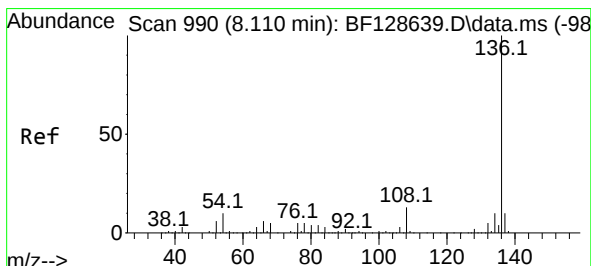
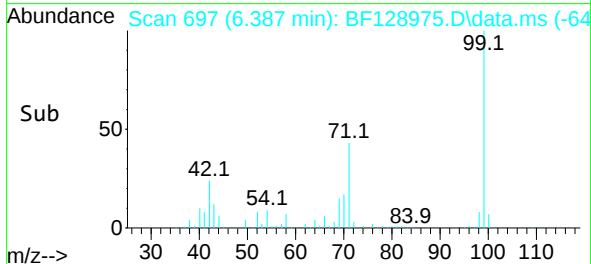
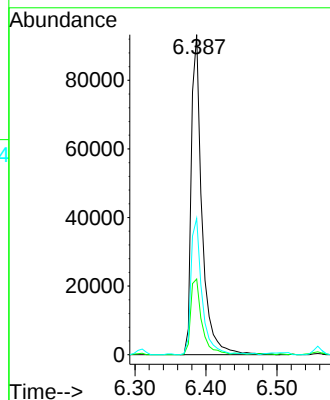
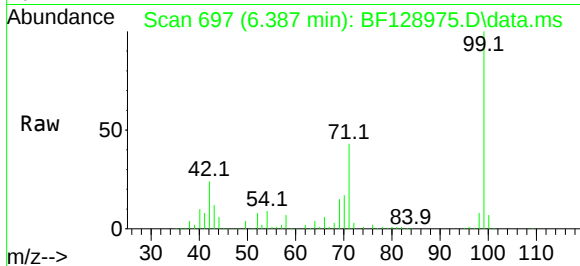




#7
Phenol-d6
Concen: 17.557 ng
RT: 6.387 min Scan# 64
Delta R.T. 0.000 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

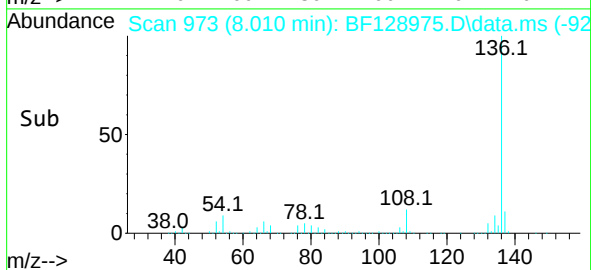
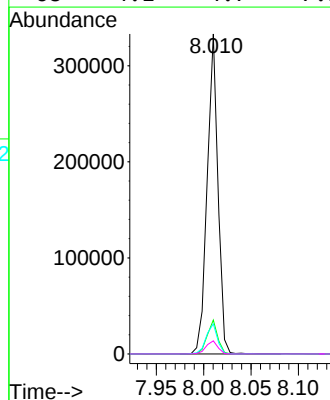
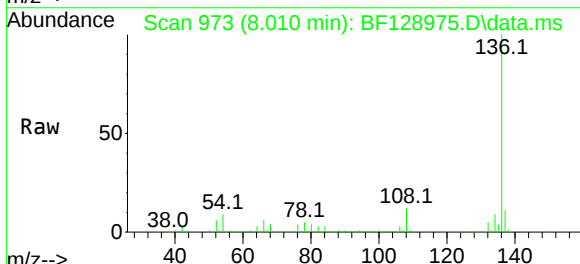
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)

Tgt Ion: 99 Resp: 97996
Ion Ratio Lower Upper
99 100
42 23.6 17.3 25.9
71 42.6 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 973
Delta R.T. 0.000 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

Tgt Ion: 136 Resp: 262958
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 9.4 7.5 11.3
68 4.1 4.7 7.1#





#23

Nitrobenzene-d5

Concen: 11.847 ng

RT: 7.293 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128975.D

Acq: 24 Jun 2022 02:24

Instrument :

BNA_F

ClientSampleId :

WC-E1(0-4)

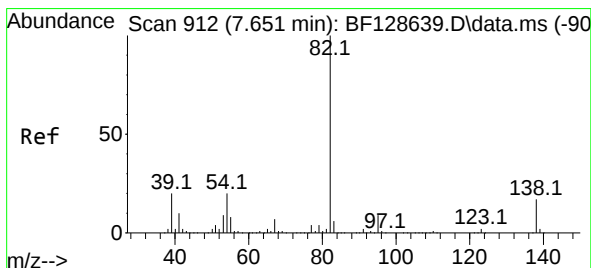
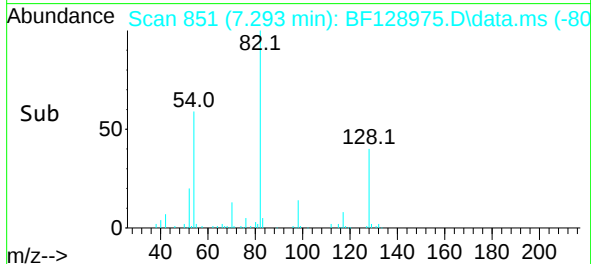
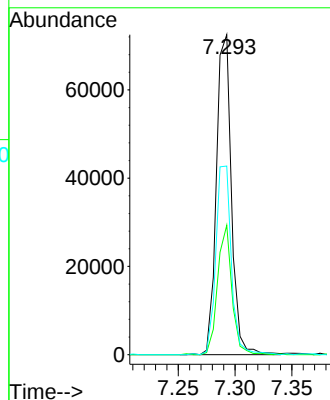
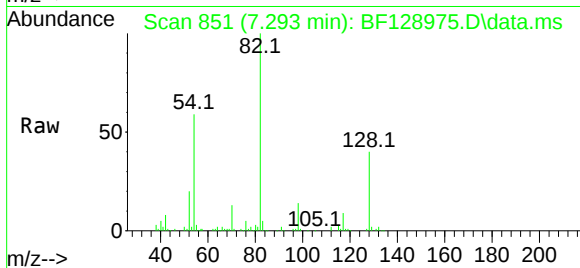
Tgt Ion: 82 Resp: 66913

Ion Ratio Lower Upper

82 100

128 40.5 34.0 51.0

54 58.9 46.9 70.3



#25

Isophorone

Concen: 7.636 ng

RT: 7.293 min Scan# 851

Delta R.T. -0.270 min

Lab File: BF128975.D

Acq: 24 Jun 2022 02:24

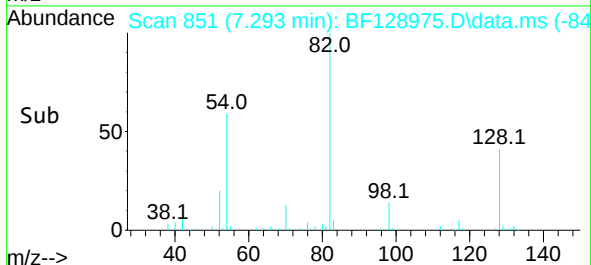
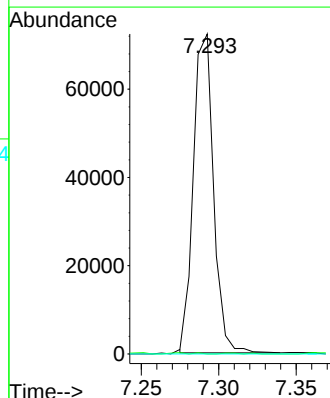
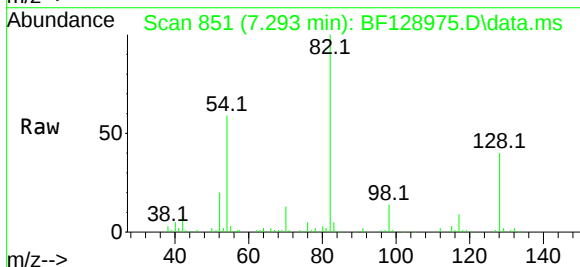
Tgt Ion: 82 Resp: 65502

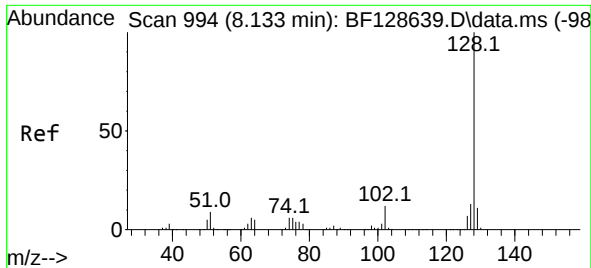
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.2#

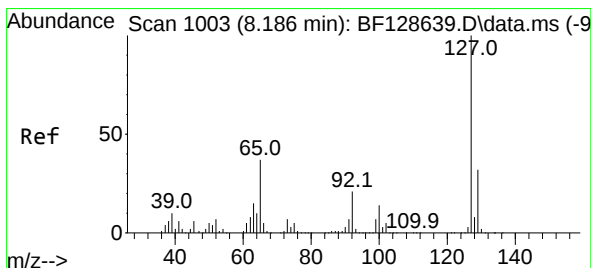
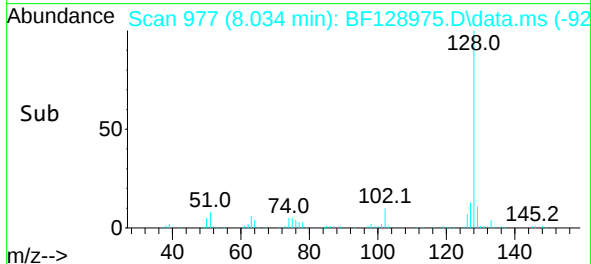
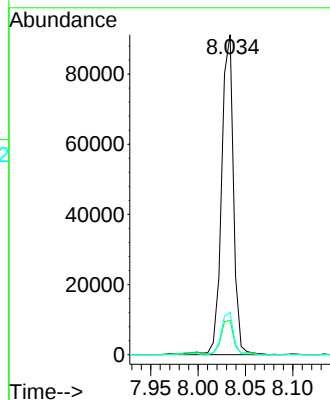
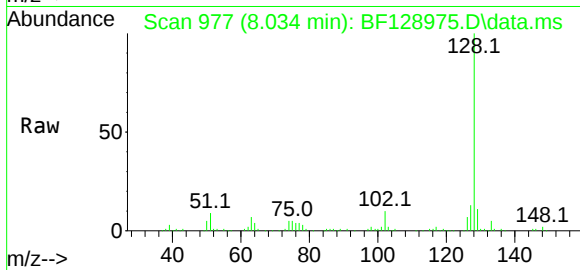




#31
Naphthalene
Concen: 5.922 ng
RT: 8.034 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

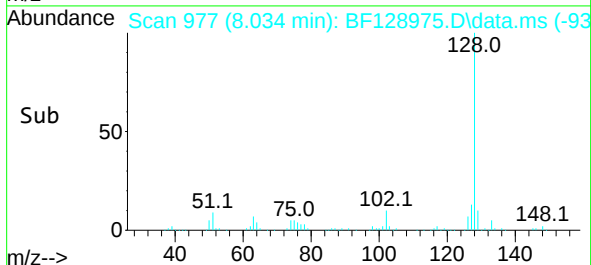
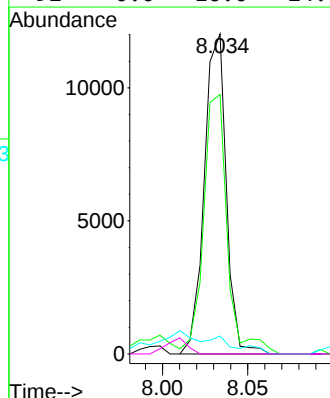
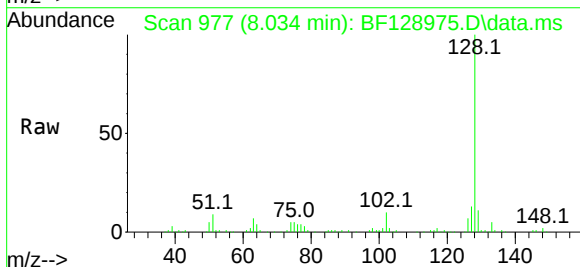
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)

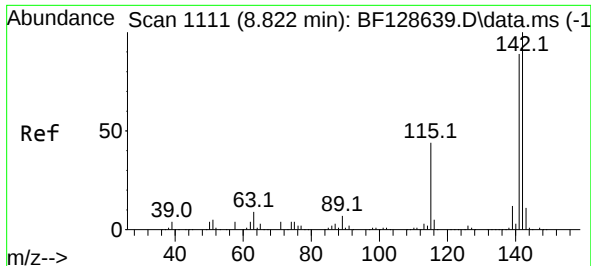
Tgt Ion:128 Resp: 79925
Ion Ratio Lower Upper
128 100
129 10.7 9.2 13.8
127 13.2 10.5 15.7



#33
4-Chloroaniline
Concen: 2.120 ng
RT: 8.034 min Scan# 977
Delta R.T. -0.059 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

Tgt Ion:127 Resp: 10788
Ion Ratio Lower Upper
127 100
129 81.1 26.4 39.6#
65 5.6 26.4 39.6#
92 0.0 16.0 24.0#

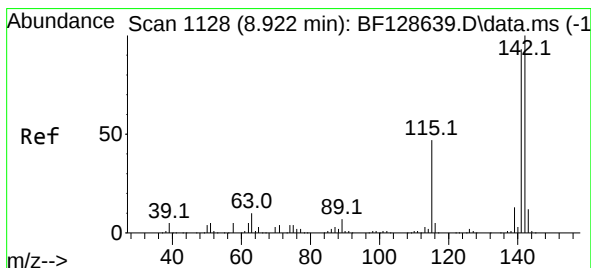
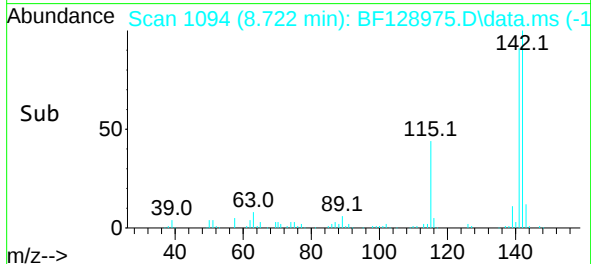
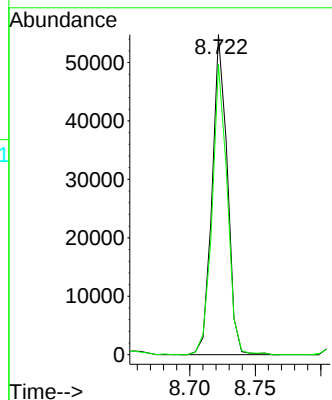
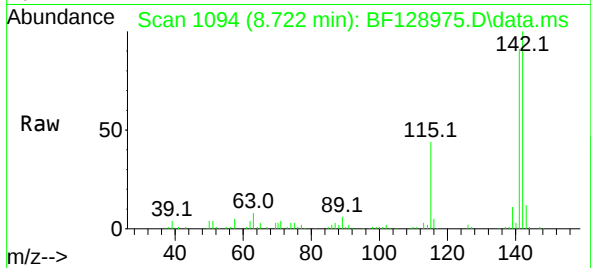




#37
2-Methylnaphthalene
Concen: 5.133 ng
RT: 8.722 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

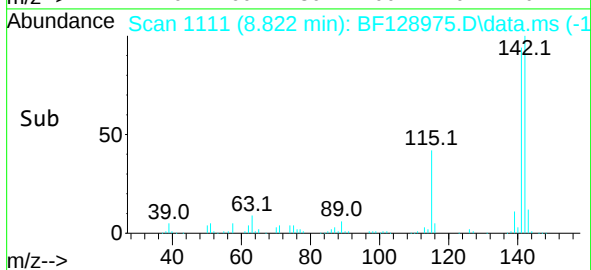
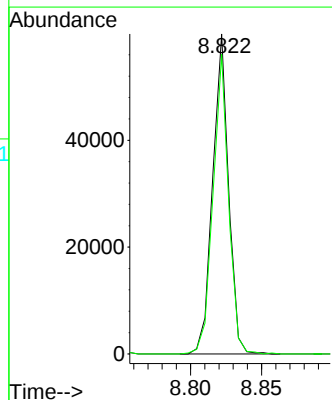
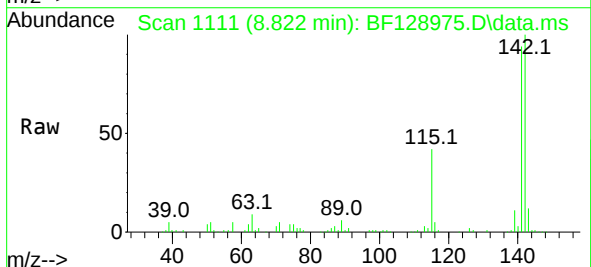
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)

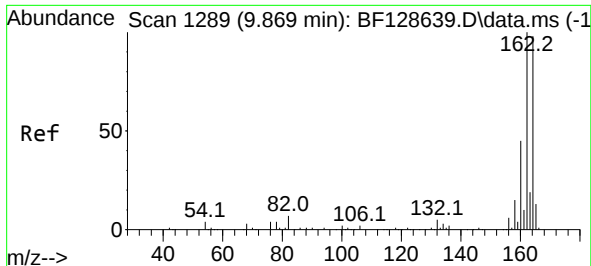
Tgt Ion:142 Resp: 44061
Ion Ratio Lower Upper
142 100
141 90.8 71.0 106.4



#38
1-Methylnaphthalene
Concen: 5.601 ng
RT: 8.822 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

Tgt Ion:142 Resp: 46454
Ion Ratio Lower Upper
142 100
141 93.6 74.2 111.4

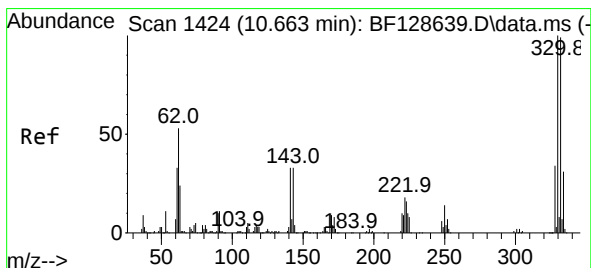
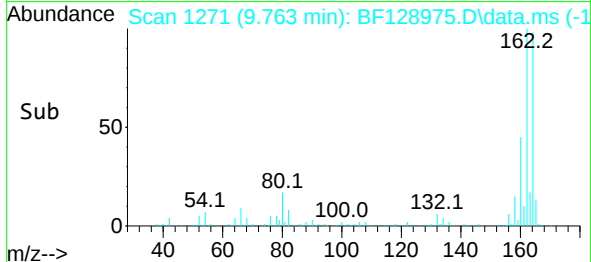
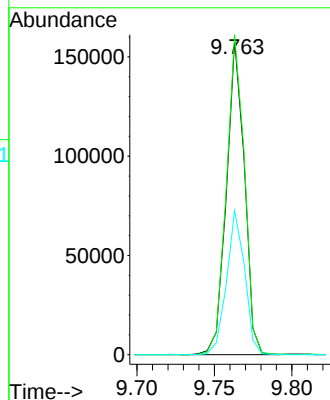
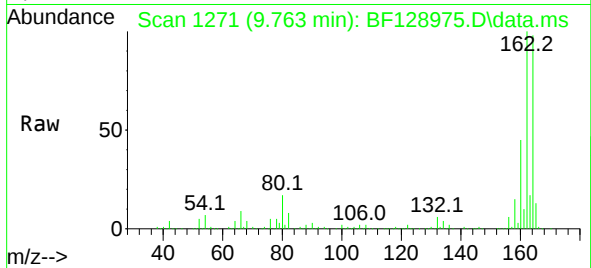




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

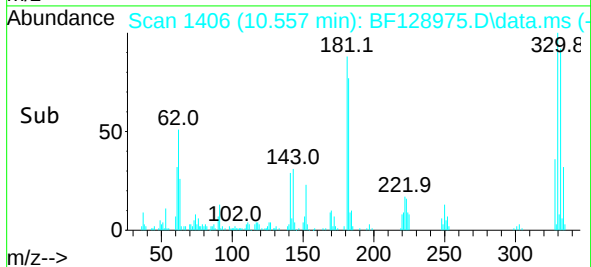
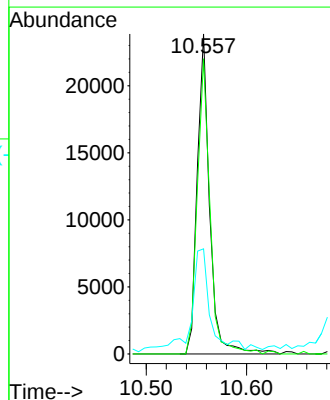
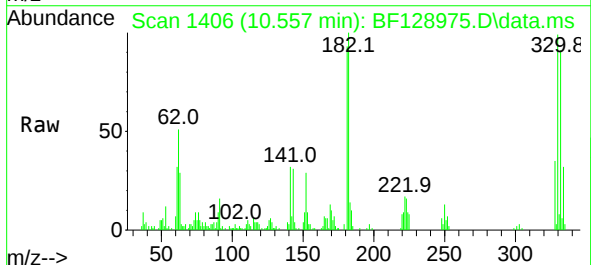
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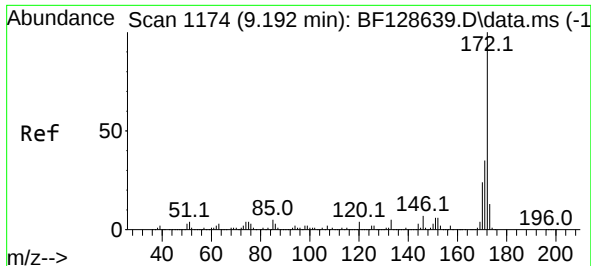
Tgt Ion:164 Resp: 127785
Ion Ratio Lower Upper
164 100
162 101.7 79.5 119.3
160 45.8 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 13.644 ng
RT: 10.557 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

Tgt Ion:330 Resp: 20601
Ion Ratio Lower Upper
330 100
332 94.6 76.8 115.2
141 51.2 28.0 42.0#

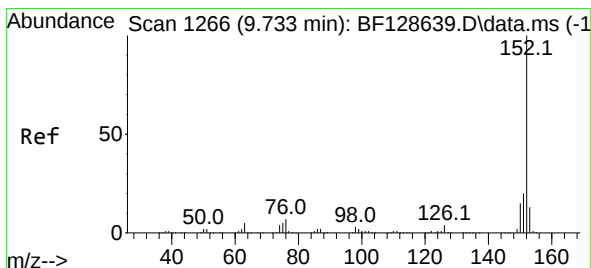
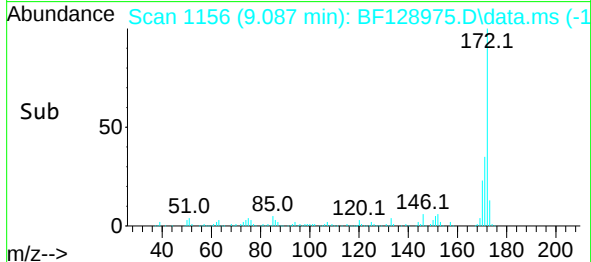
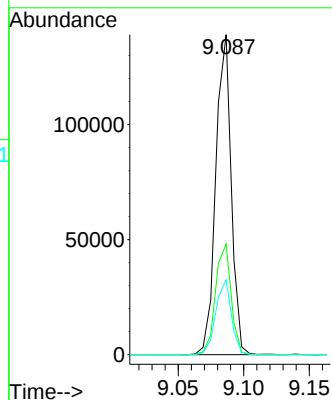
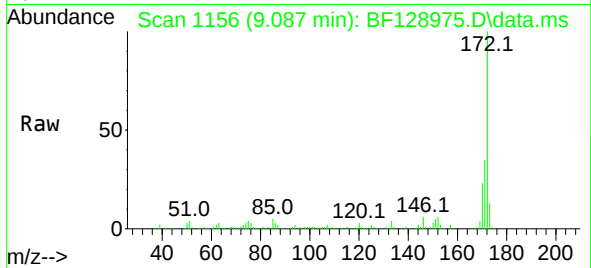




#45
2-Fluorobiphenyl
Concen: 12.451 ng
RT: 9.087 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

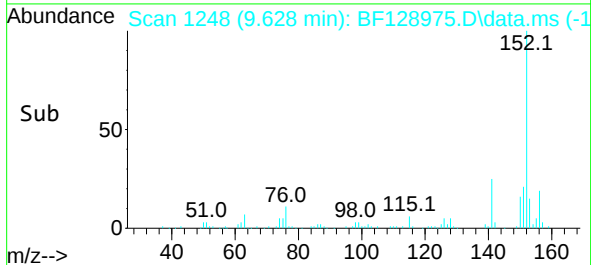
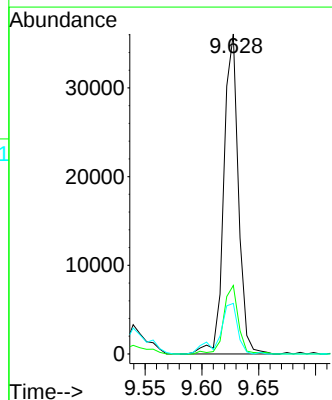
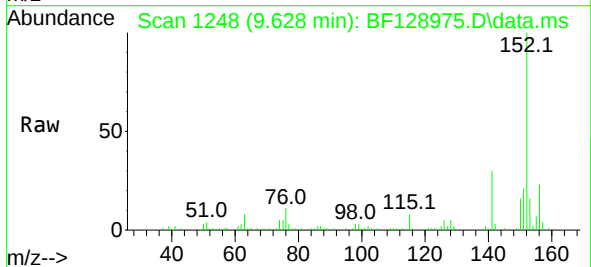
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)

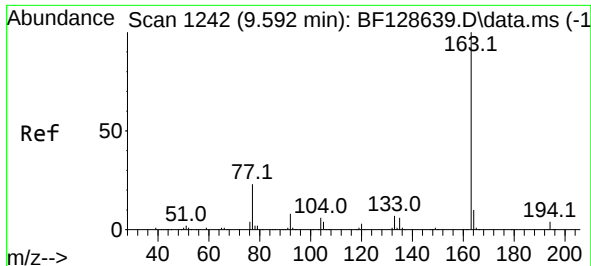
Tgt Ion:172 Resp: 113585
Ion Ratio Lower Upper
172 100
171 34.5 28.8 43.2
170 23.4 19.8 29.8



#49
Acenaphthylene
Concen: 2.892 ng
RT: 9.628 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

Tgt Ion:152 Resp: 32393
Ion Ratio Lower Upper
152 100
151 21.4 16.2 24.4
153 15.8 10.7 16.1

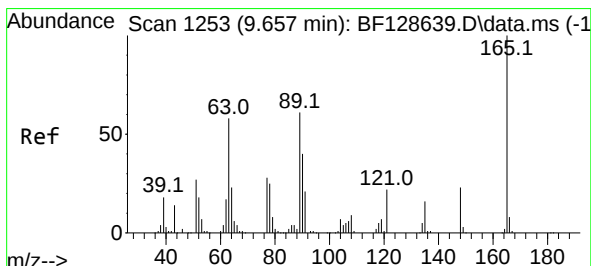
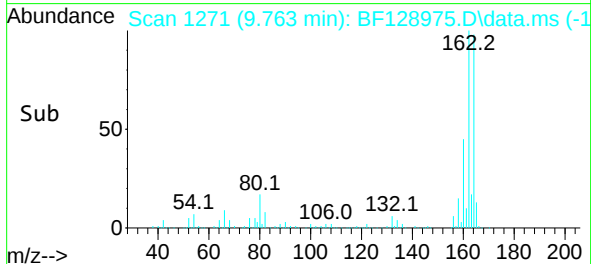
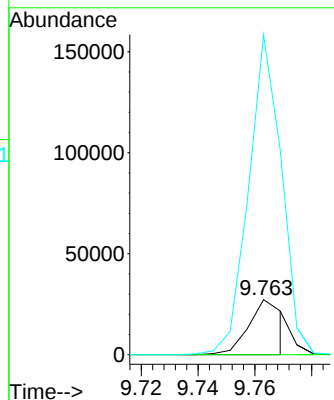
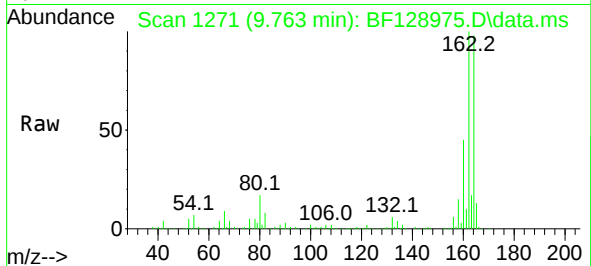




#50
Dimethylphthalate
Concen: 2.585 ng
RT: 9.763 min Scan# 1242
Delta R.T. 0.265 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

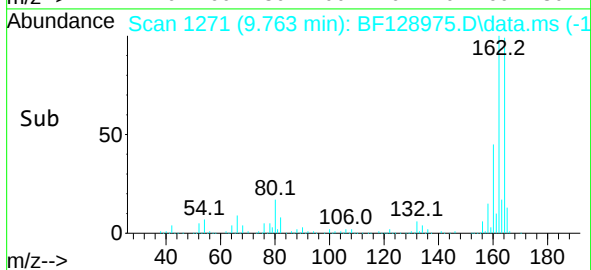
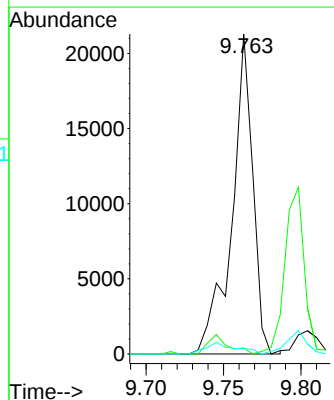
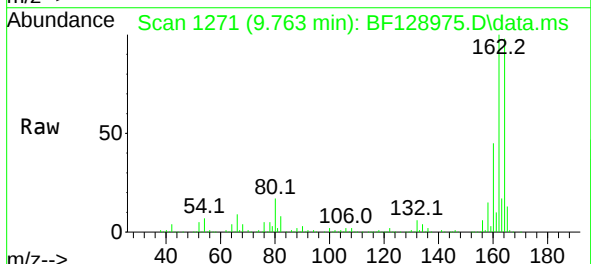
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)

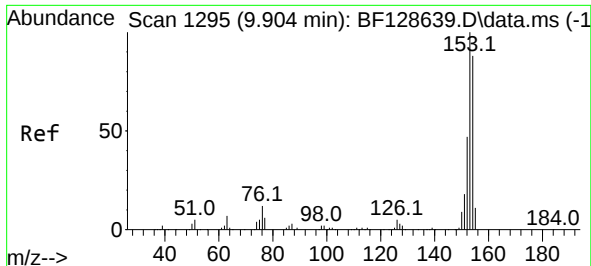
Tgt Ion:163 Resp: 22607
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 581.9 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 11.551 ng
RT: 9.763 min Scan# 1271
Delta R.T. 0.200 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

Tgt Ion:165 Resp: 19940
Ion Ratio Lower Upper
165 100
63 1.9 44.9 67.3#
89 1.7 43.6 65.4#

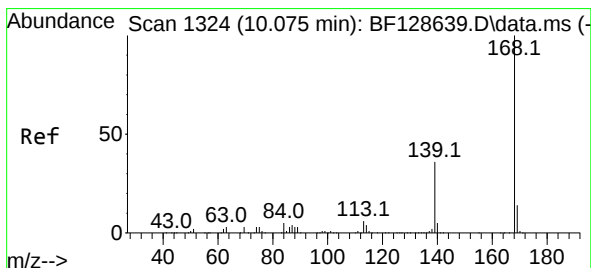
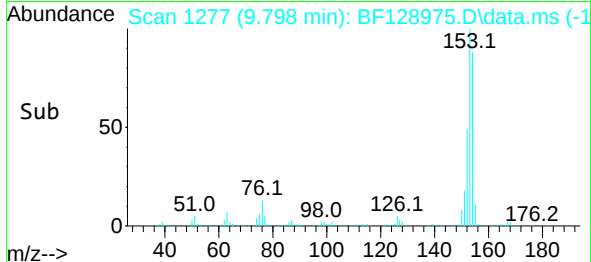
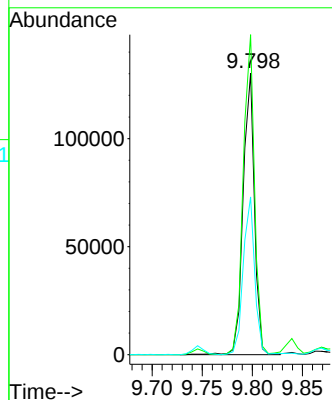
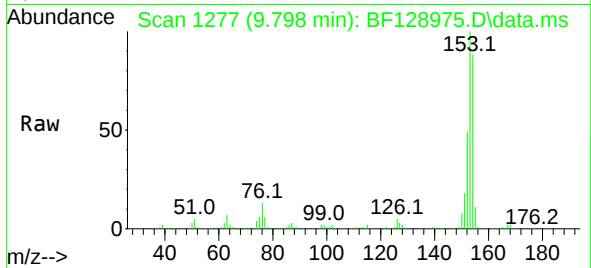




#52
Acenaphthene
Concen: 14.142 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

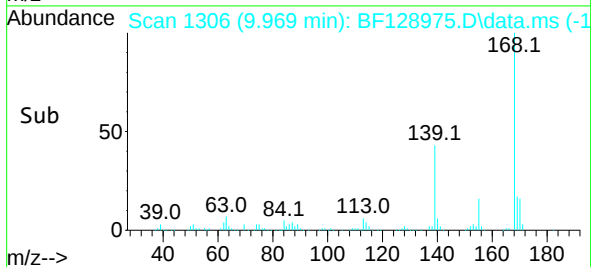
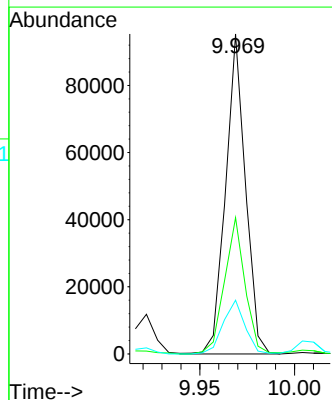
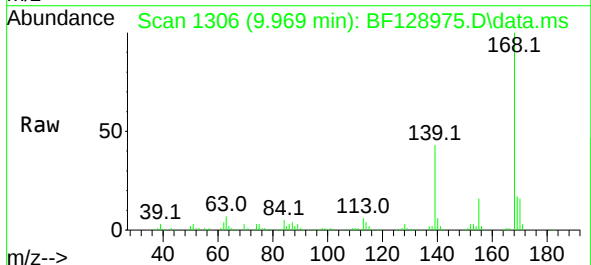
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)

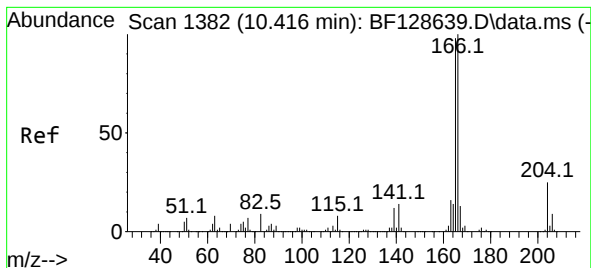
Tgt Ion:154 Resp: 103153
Ion Ratio Lower Upper
154 100
153 113.7 89.6 134.4
152 56.0 42.4 63.6



#55
Dibenzofuran
Concen: 6.626 ng
RT: 9.969 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

Tgt Ion:168 Resp: 69455
Ion Ratio Lower Upper
168 100
139 42.6 30.6 46.0
169 16.8 11.0 16.6#





#58

Fluorene

Concen: 17.302 ng

RT: 10.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128975.D

Acq: 24 Jun 2022 02:24

Instrument :

BNA_F

ClientSampleId :

WC-E1(0-4)

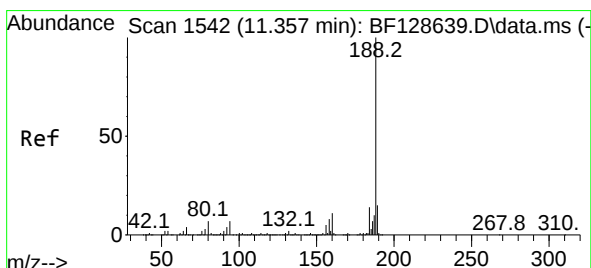
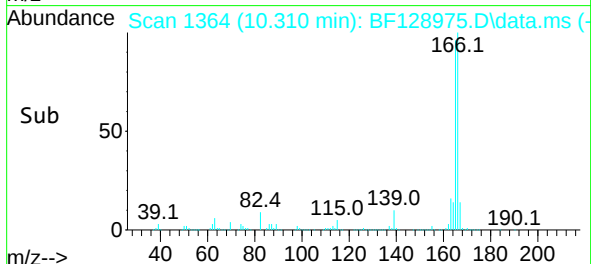
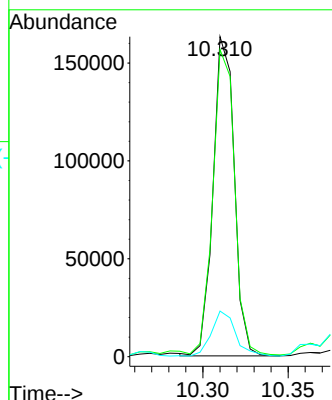
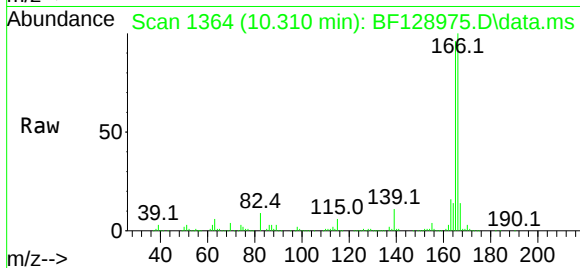
Tgt Ion:166 Resp: 140651

Ion Ratio Lower Upper

166 100

165 96.0 78.1 117.1

167 14.2 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.257 min Scan# 1525

Delta R.T. 0.006 min

Lab File: BF128975.D

Acq: 24 Jun 2022 02:24

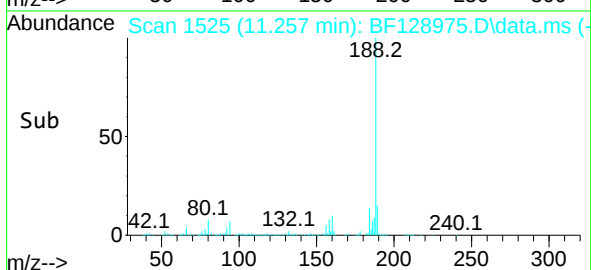
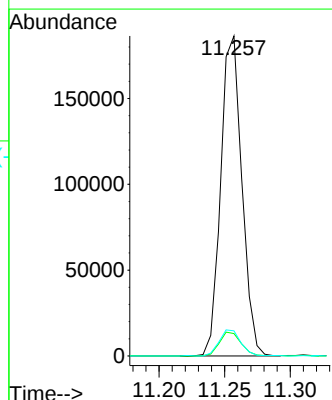
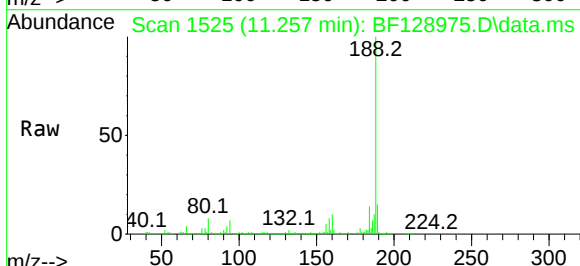
Tgt Ion:188 Resp: 208918

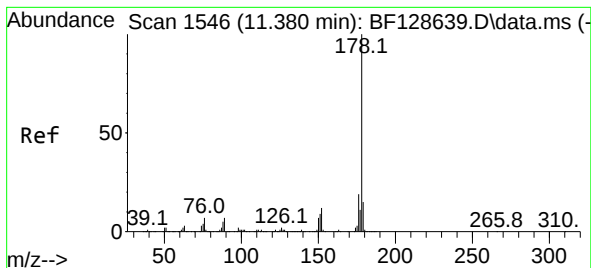
Ion Ratio Lower Upper

188 100

94 7.0 7.0 10.6#

80 7.8 7.6 11.4





#71

Phenanthrene

Concen: 180.721 ng

RT: 11.286 min Scan# 1530

Delta R.T. 0.006 min

Lab File: BF128975.D

Acq: 24 Jun 2022 02:24

Instrument :

BNA_F

ClientSampleId :

WC-E1(0-4)

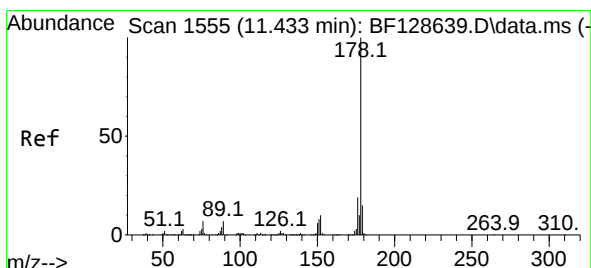
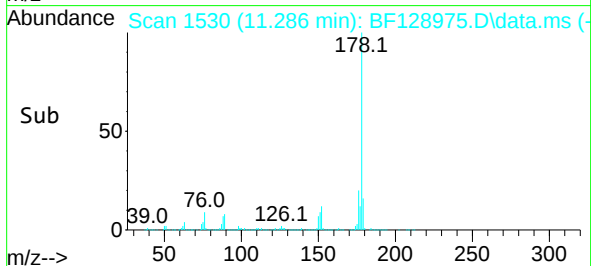
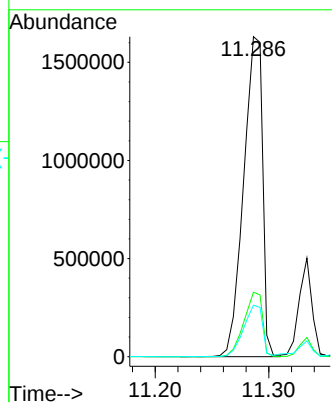
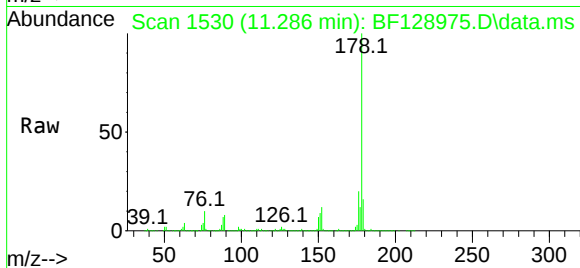
Tgt Ion:178 Resp: 1893755

Ion Ratio Lower Upper

178 100

176 20.1 16.0 24.0

179 16.1 12.6 19.0



#72

Anthracene

Concen: 37.017 ng

RT: 11.334 min Scan# 1538

Delta R.T. 0.000 min

Lab File: BF128975.D

Acq: 24 Jun 2022 02:24

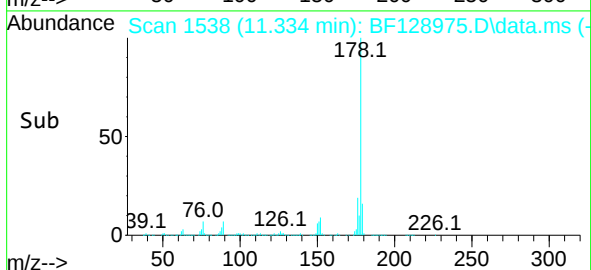
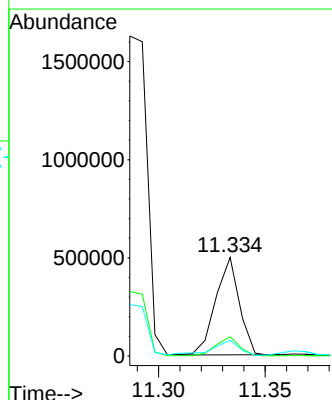
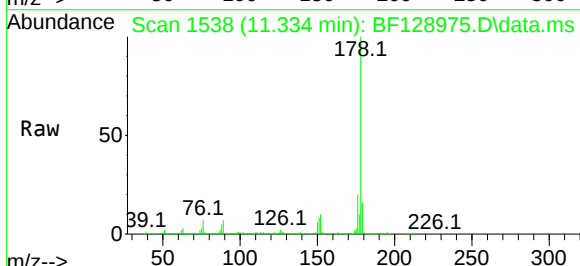
Tgt Ion:178 Resp: 383933

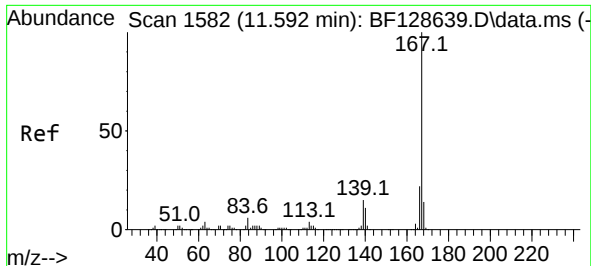
Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

179 15.9 12.6 19.0

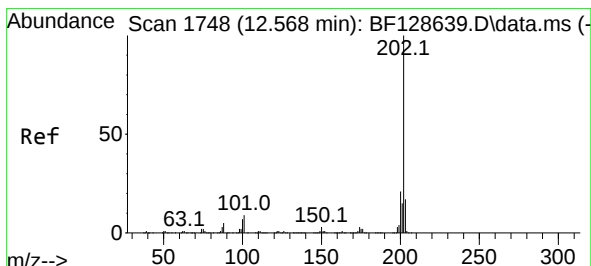
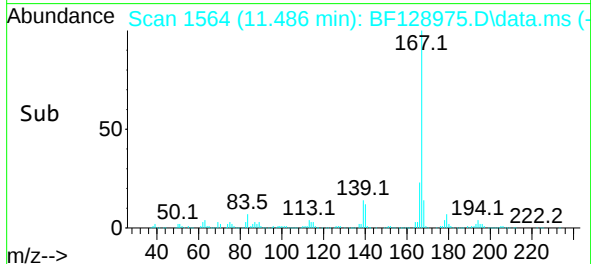
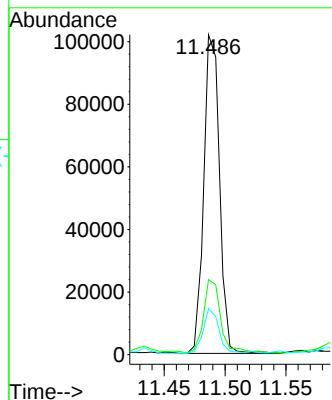
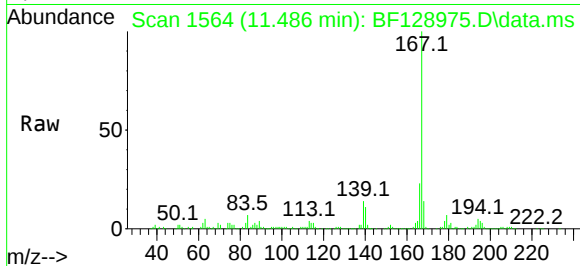




#73
 Carbazole
 Concen: 9.512 ng
 RT: 11.486 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128975.D
 Acq: 24 Jun 2022 02:24

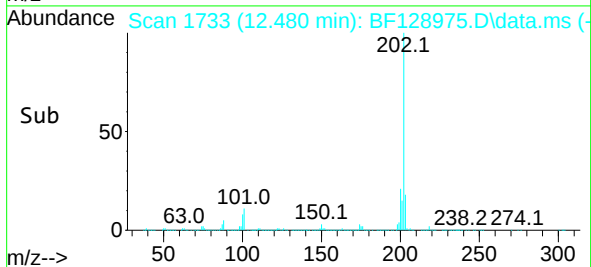
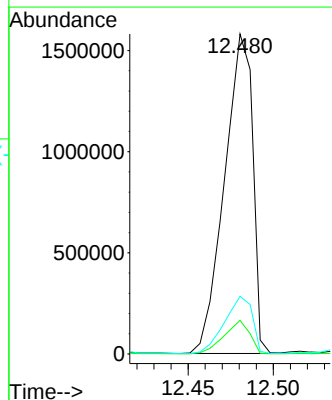
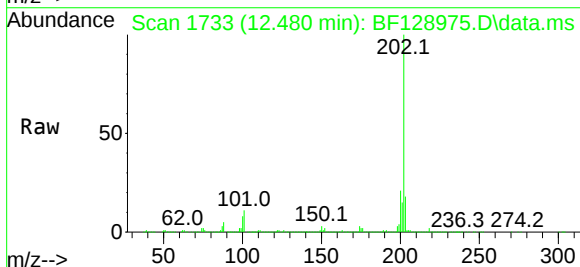
Instrument :
 BNA_F
 ClientSampleId :
 WC-E1(0-4)

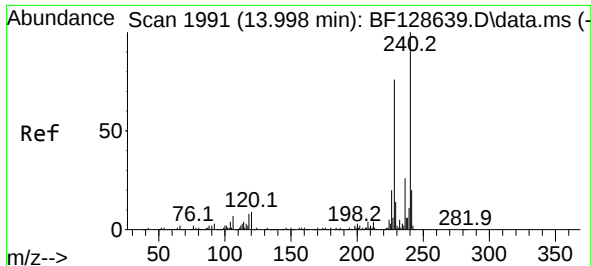
Tgt Ion:167 Resp: 91631
 Ion Ratio Lower Upper
 167 100
 166 23.5 17.7 26.5
 139 14.4 11.2 16.8



#75
 Fluoranthene
 Concen: 165.648 ng
 RT: 12.480 min Scan# 1733
 Delta R.T. 0.012 min
 Lab File: BF128975.D
 Acq: 24 Jun 2022 02:24

Tgt Ion:202 Resp: 1814435
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 31.4
 203 18.0 0.0 38.0

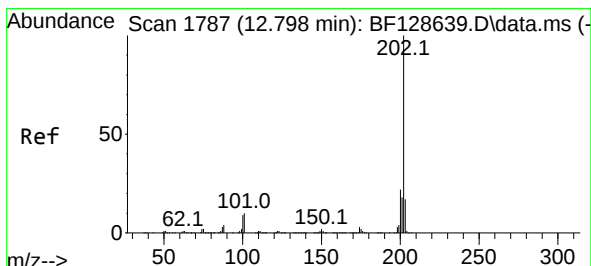
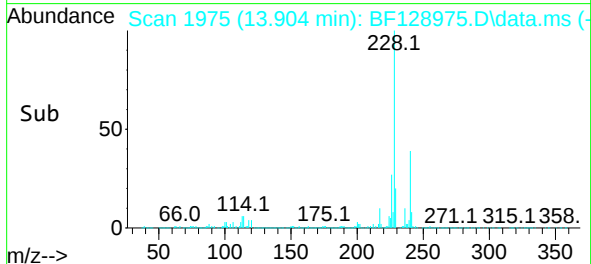
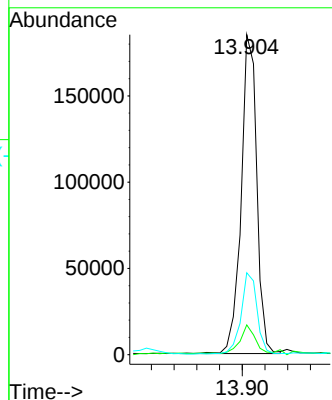
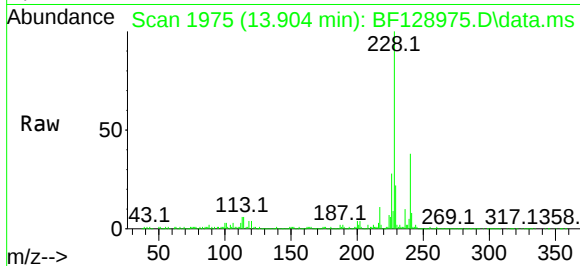




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.904 min Scan# 1991
Delta R.T. 0.006 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

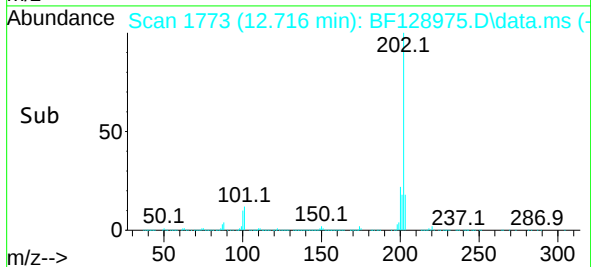
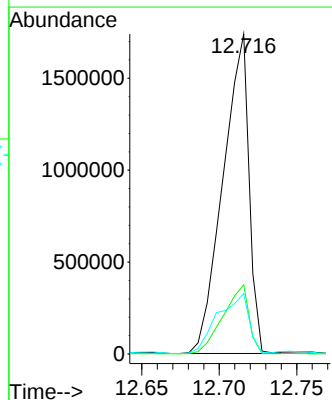
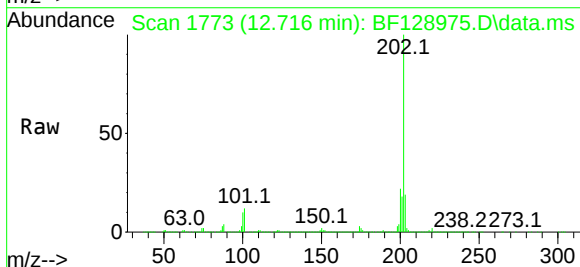
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)

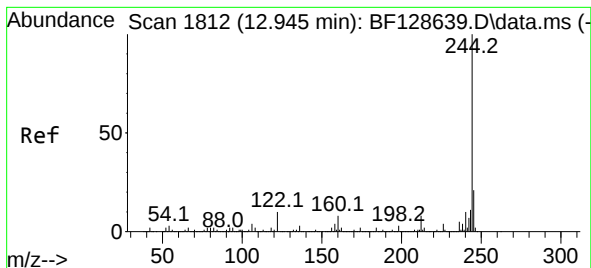
Tgt Ion:240 Resp: 176360
Ion Ratio Lower Upper
240 100
120 9.3 8.9 13.3
236 25.6 20.8 31.2



#78
Pyrene
Concen: 154.192 ng
RT: 12.716 min Scan# 1773
Delta R.T. 0.018 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

Tgt Ion:202 Resp: 2023167
Ion Ratio Lower Upper
202 100
200 21.6 17.7 26.5
203 18.9 14.6 21.8





#79

Terphenyl-d14

Concen: 10.522 ng

RT: 12.839 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF128975.D

Acq: 24 Jun 2022 02:24

Instrument :

BNA_F

ClientSampleId :

WC-E1(0-4)

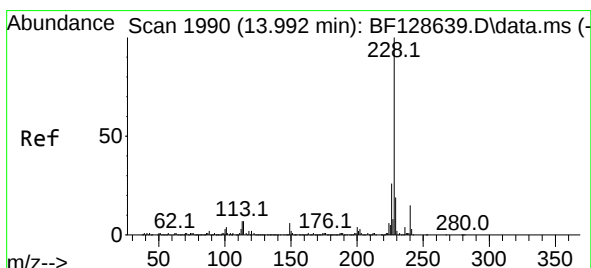
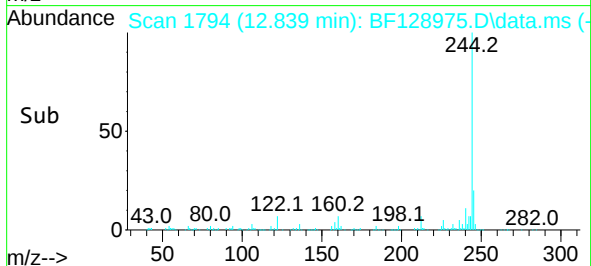
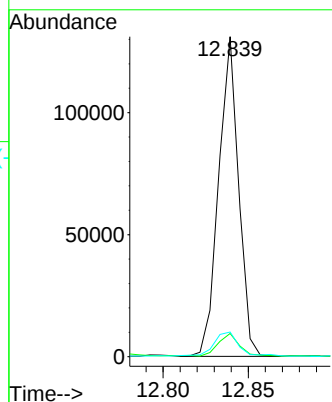
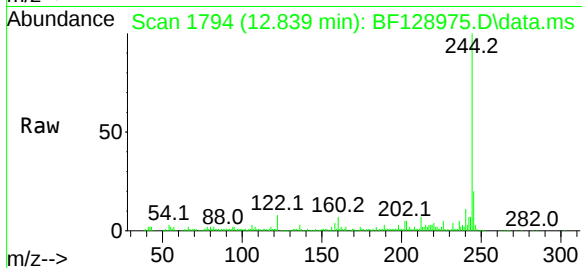
Tgt Ion:244 Resp: 106789

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 7.7 8.8 13.2#



#81

Benzo(a)anthracene

Concen: 92.919 ng

RT: 13.898 min Scan# 1974

Delta R.T. 0.012 min

Lab File: BF128975.D

Acq: 24 Jun 2022 02:24

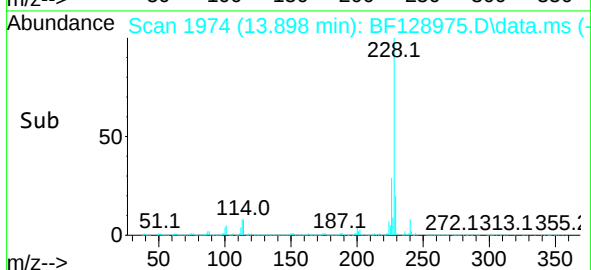
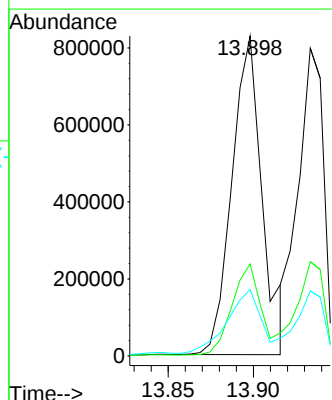
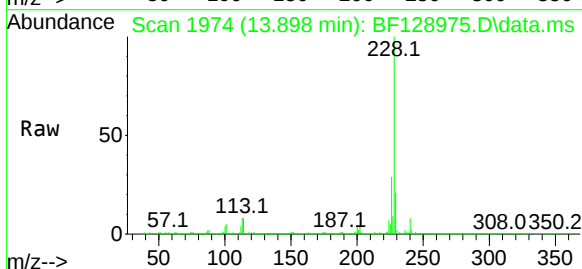
Tgt Ion:228 Resp: 1021470

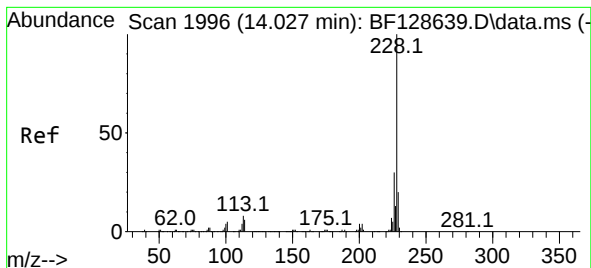
Ion Ratio Lower Upper

228 100

226 28.8 22.1 33.1

229 20.8 15.8 23.8





#83

Chrysene

Concen: 78.978 ng

RT: 13.933 min Scan# 1996

Delta R.T. 0.006 min

Lab File: BF128975.D

Acq: 24 Jun 2022 02:24

Instrument :

BNA_F

ClientSampleId :

WC-E1(0-4)

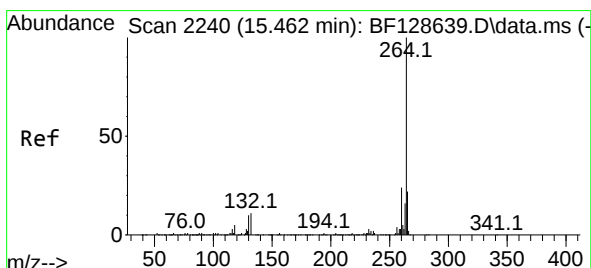
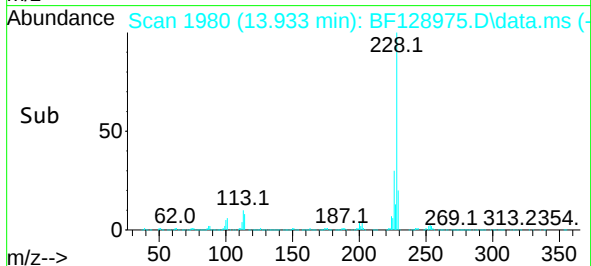
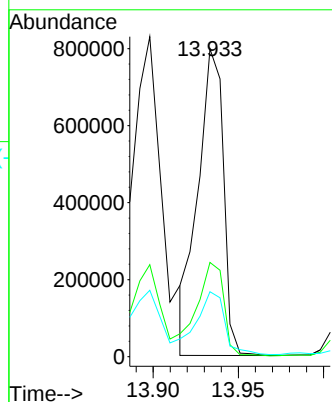
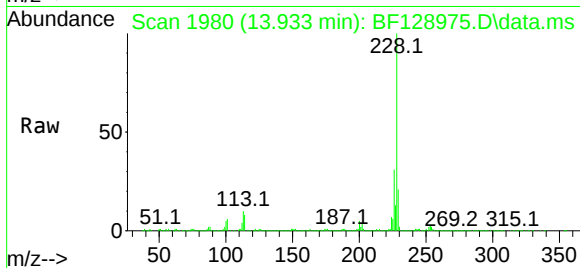
Tgt Ion:228 Resp: 827732

Ion Ratio Lower Upper

228 100

226 30.6 24.3 36.5

229 21.1 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.339 min Scan# 2219

Delta R.T. 0.012 min

Lab File: BF128975.D

Acq: 24 Jun 2022 02:24

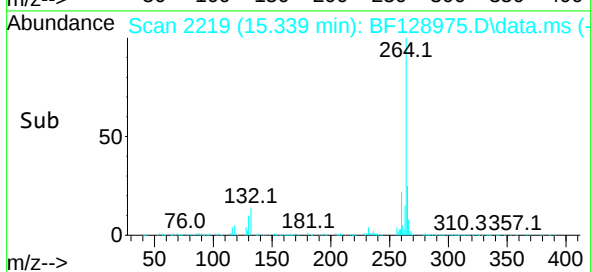
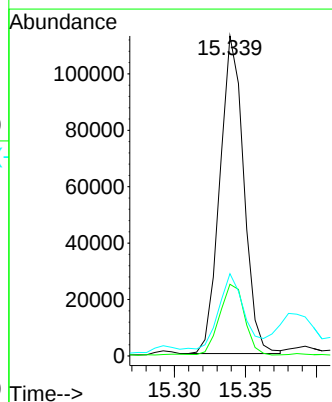
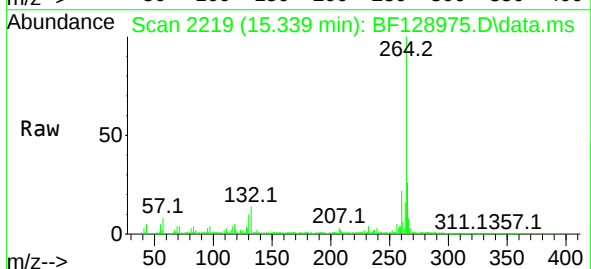
Tgt Ion:264 Resp: 131980

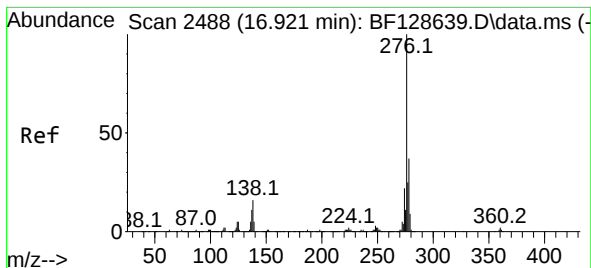
Ion Ratio Lower Upper

264 100

260 22.4 18.4 27.6

265 25.7 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 31.520 ng

RT: 16.757 min Scan# 24

Delta R.T. 0.012 min

Lab File: BF128975.D

Acq: 24 Jun 2022 02:24

Instrument :

BNA_F

ClientSampleId :

WC-E1(0-4)

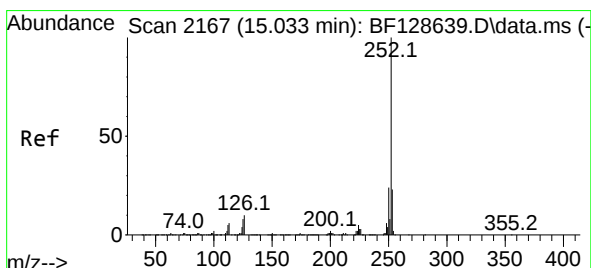
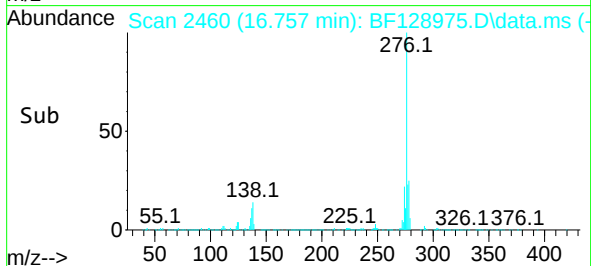
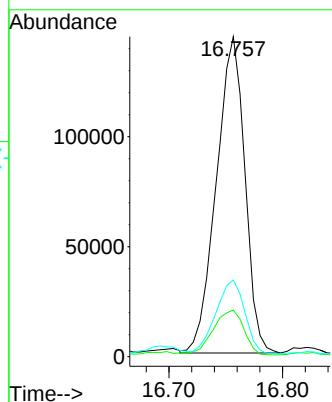
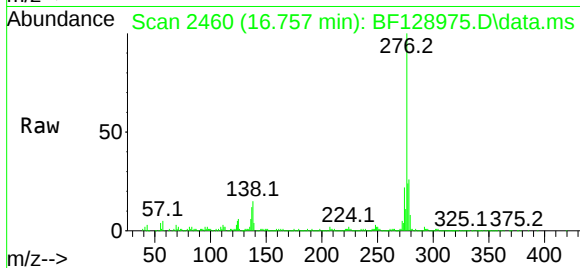
Tgt Ion:276 Resp: 250732

Ion Ratio Lower Upper

276 100

138 15.3 21.1 31.7#

277 23.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 113.088 ng

RT: 14.933 min Scan# 2150

Delta R.T. 0.012 min

Lab File: BF128975.D

Acq: 24 Jun 2022 02:24

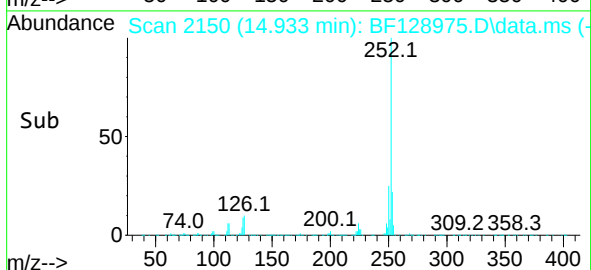
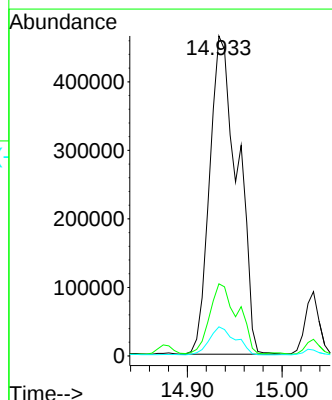
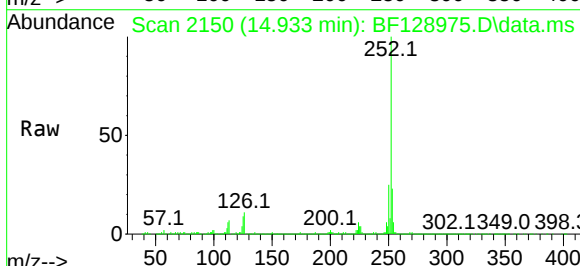
Tgt Ion:252 Resp: 953707

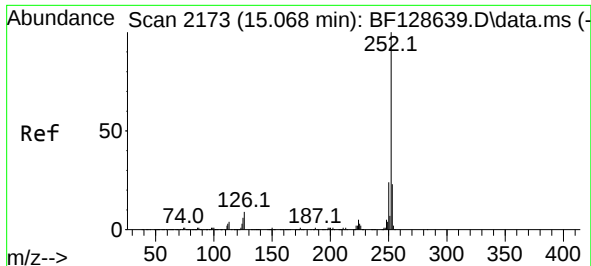
Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 9.1 8.0 12.0

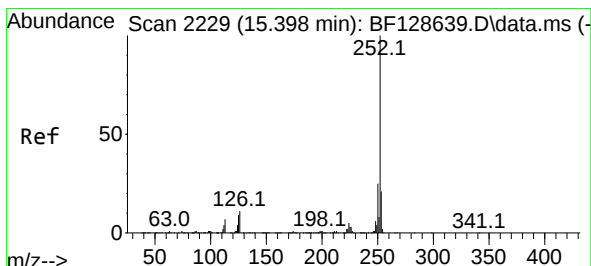
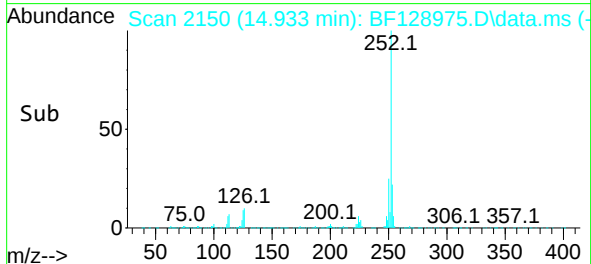
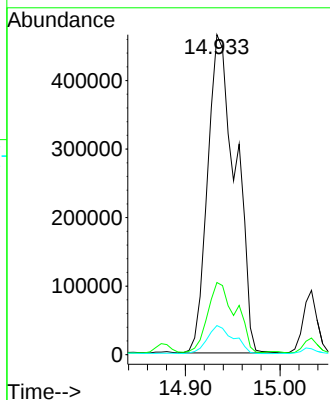
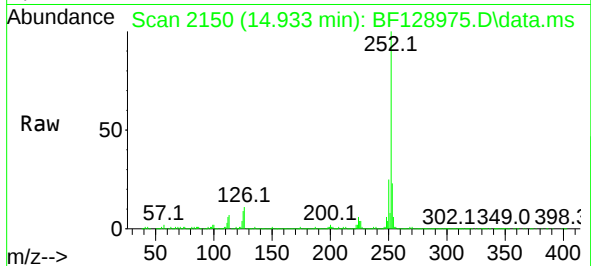




#89
Benzo(k)fluoranthene
Concen: 120.217 ng
RT: 14.933 min Scan# 2173
Delta R.T. -0.018 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

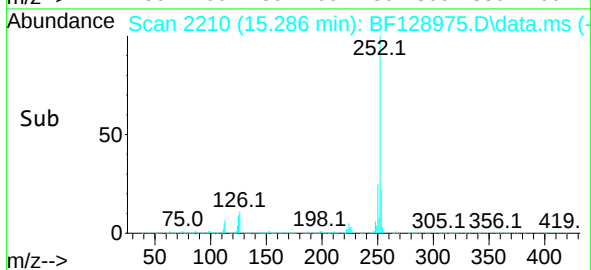
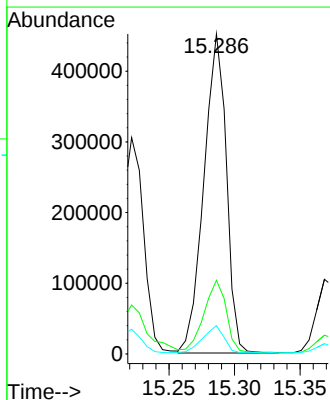
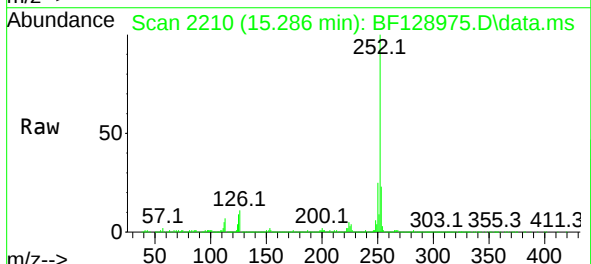
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)

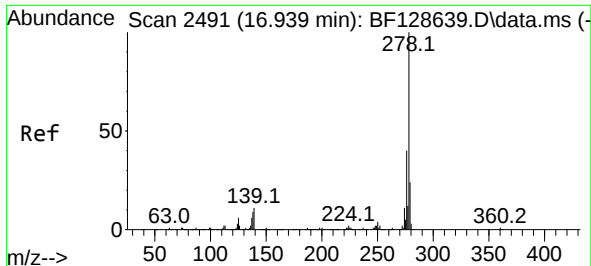
Tgt Ion:252 Resp: 953707
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 9.1 8.3 12.5



#90
Benzo(a)pyrene
Concen: 81.279 ng
RT: 15.286 min Scan# 2210
Delta R.T. 0.012 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

Tgt Ion:252 Resp: 538743
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 8.9 8.8 13.2

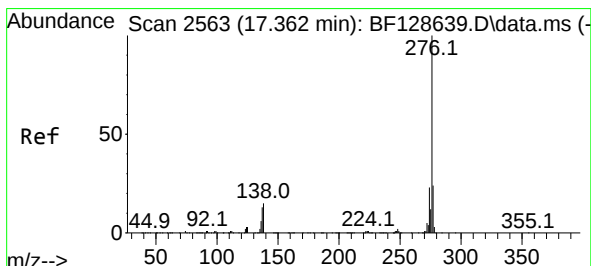
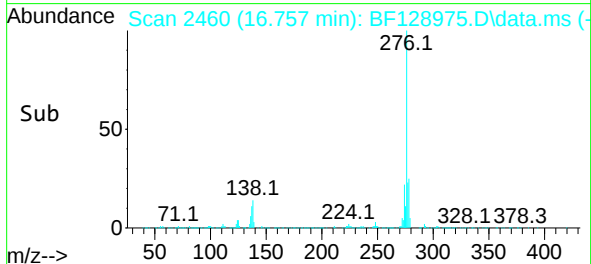
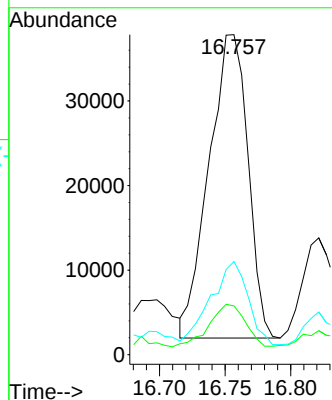
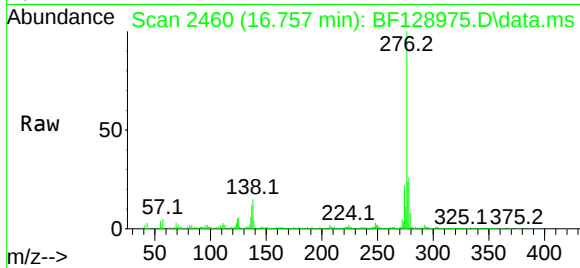




#91
Dibenzo(a,h)anthracene
Concen: 11.221 ng
RT: 16.757 min Scan# 2491
Delta R.T. 0.006 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)

Tgt Ion:278 Resp: 74040
Ion Ratio Lower Upper
278 100
139 15.2 12.8 19.2
279 29.1 18.6 28.0#



#92
Benzo(g,h,i)perylene
Concen: 37.447 ng
RT: 17.180 min Scan# 2532
Delta R.T. 0.012 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

Tgt Ion:276 Resp: 244885
Ion Ratio Lower Upper
276 100
277 25.2 19.1 28.7
138 16.2 18.0 27.0#

