

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060822\
 Data File : BF128734.D
 Acq On : 08 Jun 2022 14:31
 Operator : CG\JU
 Sample : N3209-09RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14B-10-GRRE

Quant Time: Jun 08 15:20:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 08 14:28:39 2022
 Response via : Initial Calibration

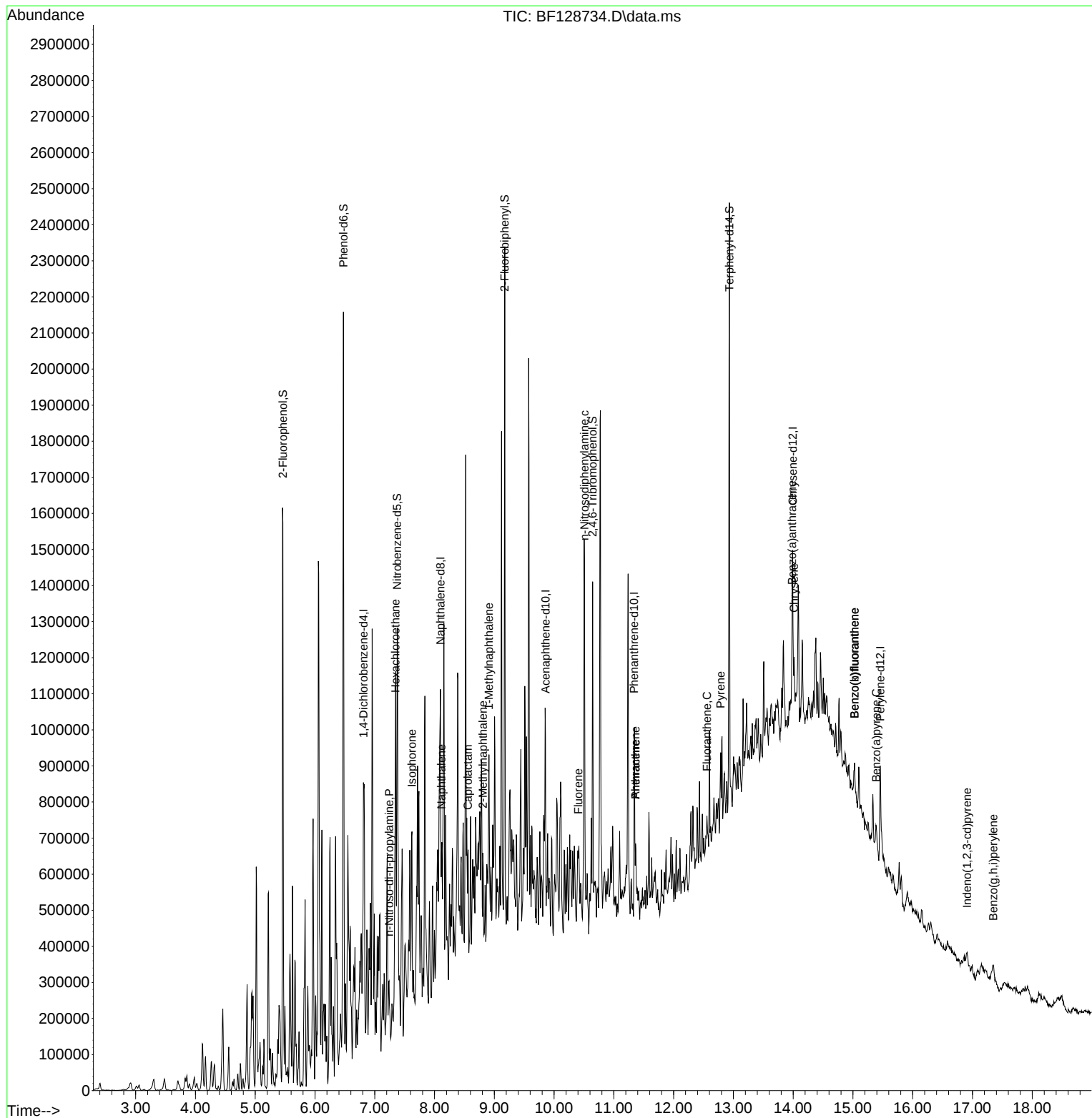
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	71947	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	210474	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	96848	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	161522	20.000	ng	0.00
76) Chrysene-d12	13.992	240	148268	20.000	ng	0.00
86) Perylene-d12	15.456	264	114387	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	415715	92.035	ng	0.00
7) Phenol-d6	6.475	99	502735	91.180	ng	0.00
23) Nitrobenzene-d5	7.375	82	306218	67.738	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	95923	83.826	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	488523	70.660	ng	0.00
79) Terphenyl-d14	12.933	244	511807	59.982	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.345	117	33372	16.622	ng	# 1
19) n-Nitroso-di-n-propyla...	7.239	70	7659	2.234	ng	# 77
25) Isophorone	7.622	82	23569	3.433	ng	# 1
31) Naphthalene	8.116	128	31911	2.954	ng	# 78
35) Caprolactam	8.557	113	3127	3.508	ng	# 1
37) 2-Methylnaphthalene	8.810	142	61362	8.931	ng	99
38) 1-Methylnaphthalene	8.910	142	96570	14.548	ng	98
58) Fluorene	10.404	166	16203	2.630	ng	# 91
66) n-Nitrosodiphenylamine	10.510	169	24569	4.949	ng	# 53
71) Phenanthrene	11.363	178	46797	5.776	ng	95
72) Anthracene	11.363	178	46797	5.836	ng	96
75) Fluoranthene	12.557	202	31068	3.669	ng	90
78) Pyrene	12.786	202	78216	7.091	ng	95
81) Benzo(a)anthracene	13.980	228	56662	6.131	ng	# 82
83) Chrysene	14.015	228	80951	9.187	ng	# 83
87) Indeno(1,2,3-cd)pyrene	16.909	276	14841	2.153	ng	95
88) Benzo(b)fluoranthene	15.027	252	35712	4.886	ng	# 67
89) Benzo(k)fluoranthene	15.027	252	35712	5.194	ng	# 67
90) Benzo(a)pyrene	15.392	252	34142	5.943	ng	# 77
92) Benzo(g,h,i)perylene	17.350	276	34793	6.139	ng	96

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

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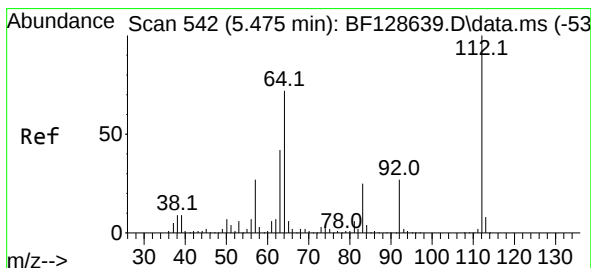
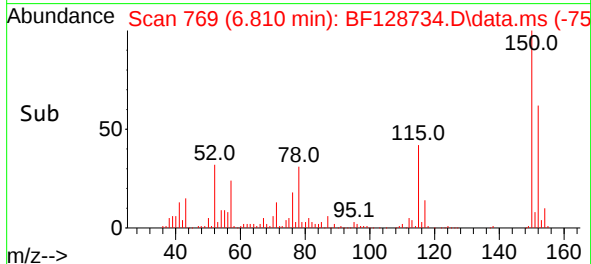
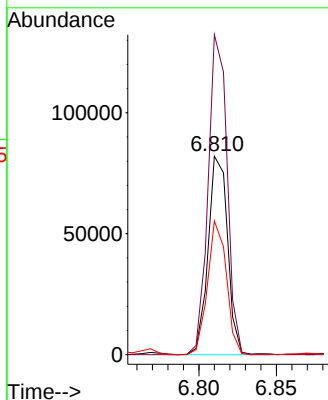
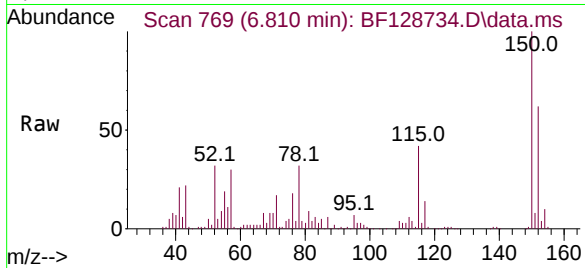




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

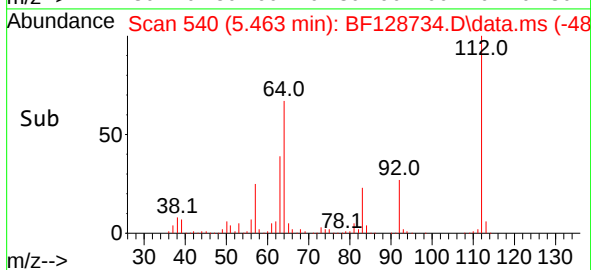
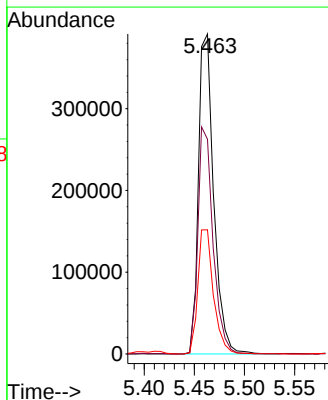
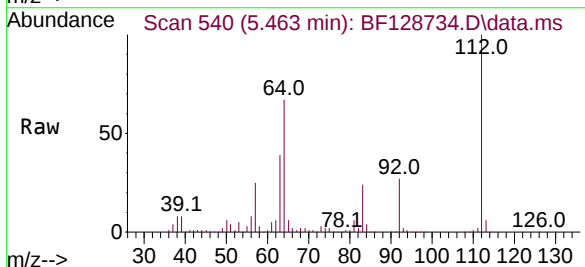
Instrument :
BNA_F
ClientSampleId :
WC-14B-10-GRRE

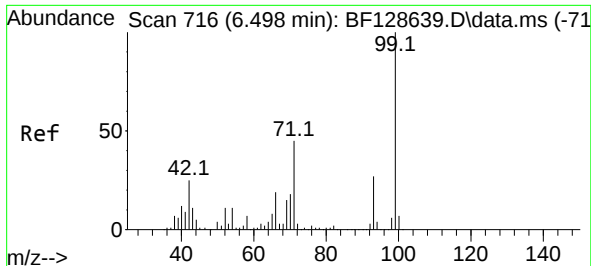
Tgt Ion:152 Resp: 71947
Ion Ratio Lower Upper
152 100
150 161.1 123.7 185.5
115 67.4 49.9 74.9



#5
2-Fluorophenol
Concen: 92.035 ng
RT: 5.463 min Scan# 540
Delta R.T. 0.006 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

Tgt Ion:112 Resp: 415715
Ion Ratio Lower Upper
112 100
64 67.1 53.3 79.9
63 38.8 28.0 42.0

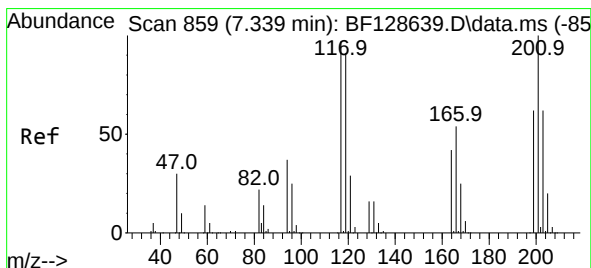
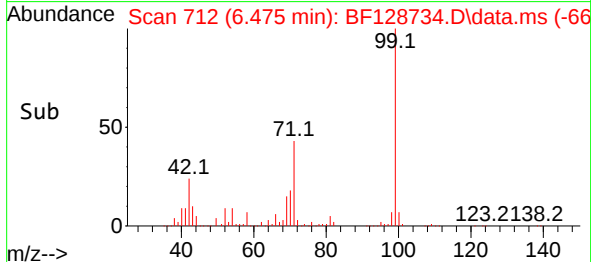
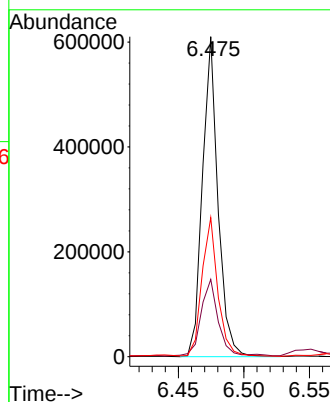
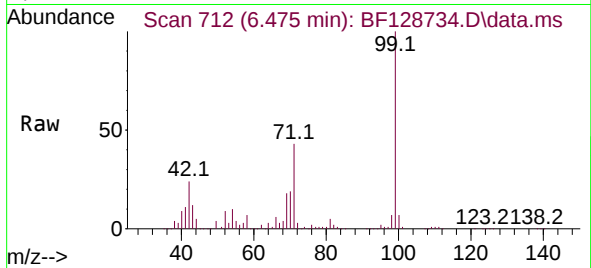




#7
Phenol-d6
Concen: 91.180 ng
RT: 6.475 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

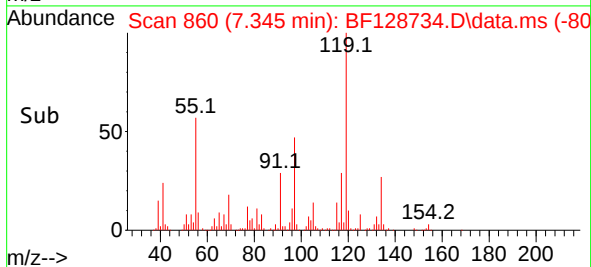
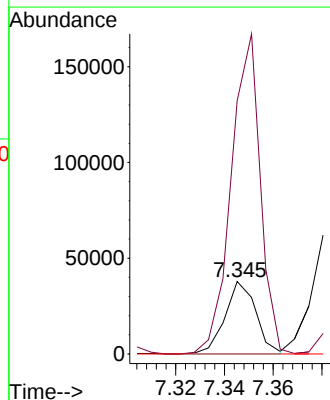
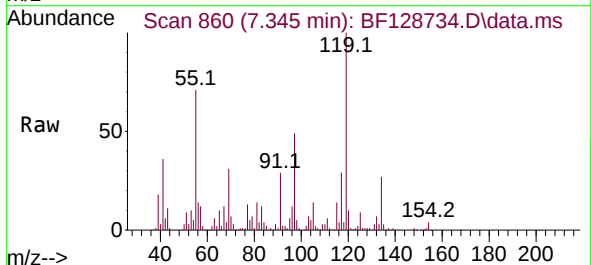
Instrument :
BNA_F
ClientSampleId :
WC-14B-10-GRRE

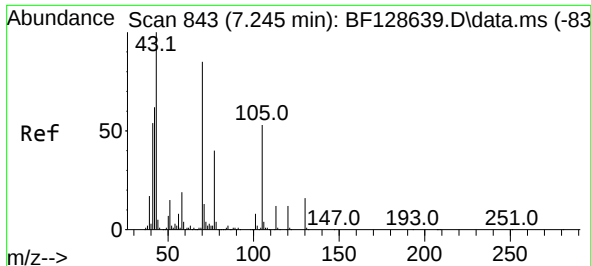
Tgt Ion: 99 Resp: 502735
Ion Ratio Lower Upper
99 100
42 24.1 17.3 25.9
71 43.5 28.9 43.3#



#18
Hexachloroethane
Concen: 16.622 ng
RT: 7.345 min Scan# 860
Delta R.T. 0.023 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

Tgt Ion: 117 Resp: 33372
Ion Ratio Lower Upper
117 100
119 349.6 77.4 116.2#
201 0.0 84.6 127.0#

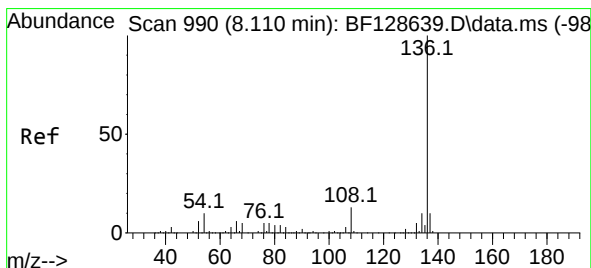
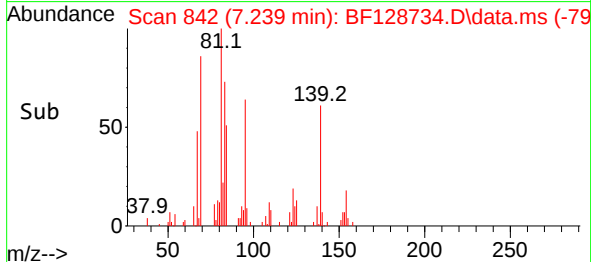
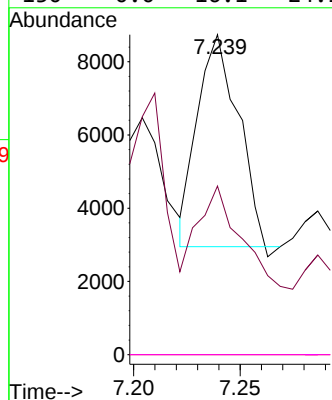
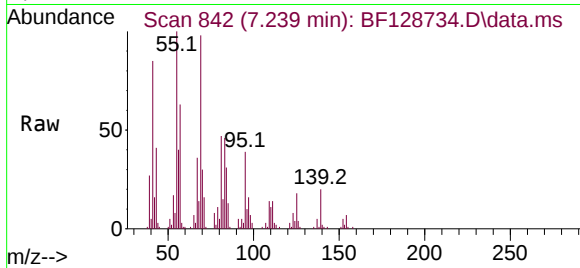




#19
n-Nitroso-di-n-propylamine
Concen: 2.234 ng
RT: 7.239 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

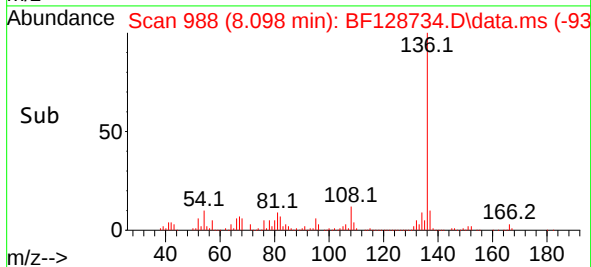
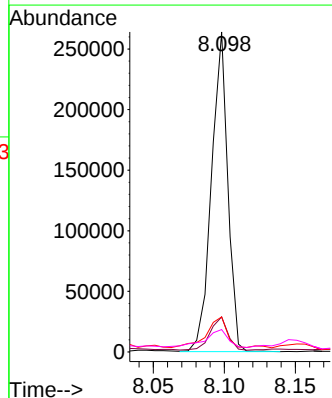
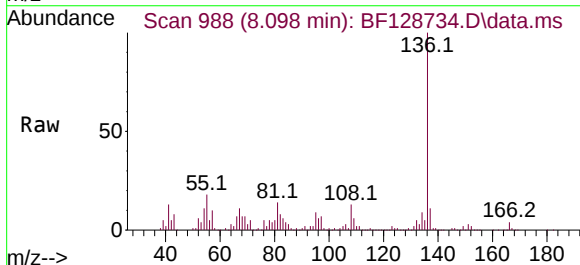
Instrument :
BNA_F
ClientSampleId :
WC-14B-10-GRRE

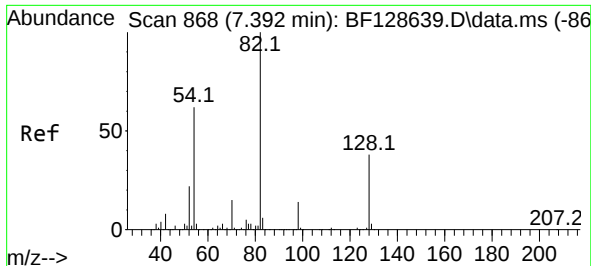
Tgt Ion: 70 Resp: 7659
Ion Ratio Lower Upper
70 100
42 52.7 52.3 78.5
101 0.0 7.5 11.3#
130 0.0 16.1 24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 988
Delta R.T. -0.000 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

Tgt Ion:136 Resp: 210474
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 11.0 7.5 11.3
68 7.0 4.7 7.1





#23

Nitrobenzene-d5

Concen: 67.738 ng

RT: 7.375 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF128734.D

Acq: 08 Jun 2022 14:31

Instrument :

BNA_F

ClientSampleId :

WC-14B-10-GRRE

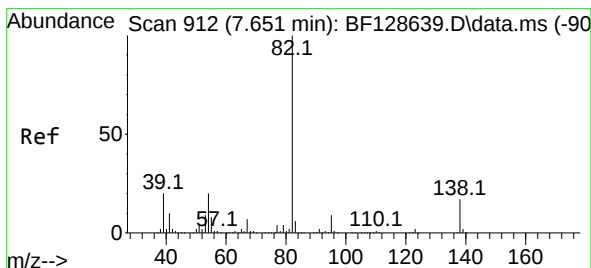
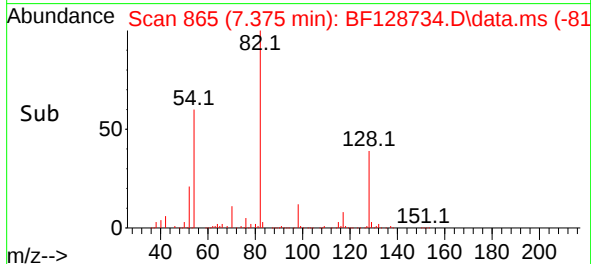
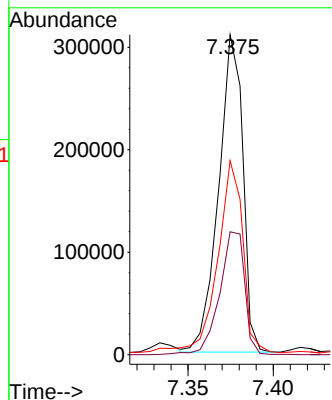
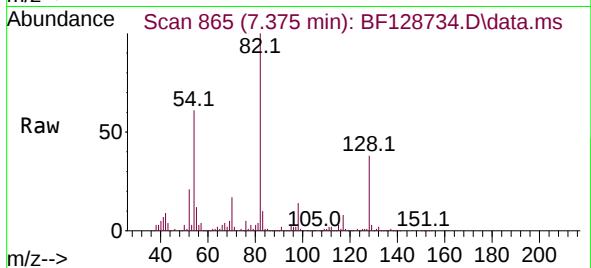
Tgt Ion: 82 Resp: 306218

Ion Ratio Lower Upper

82 100

128 38.4 34.0 51.0

54 60.6 46.9 70.3



#25

Isophorone

Concen: 3.433 ng

RT: 7.622 min Scan# 907

Delta R.T. -0.018 min

Lab File: BF128734.D

Acq: 08 Jun 2022 14:31

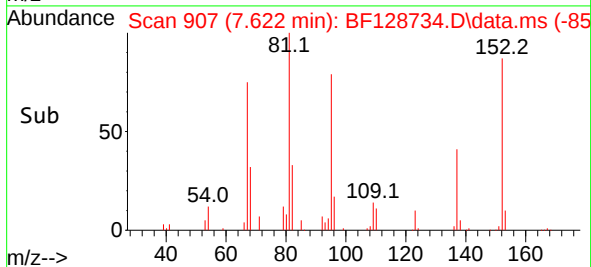
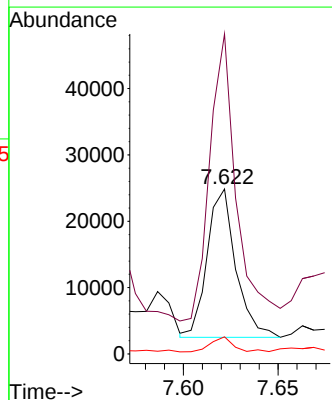
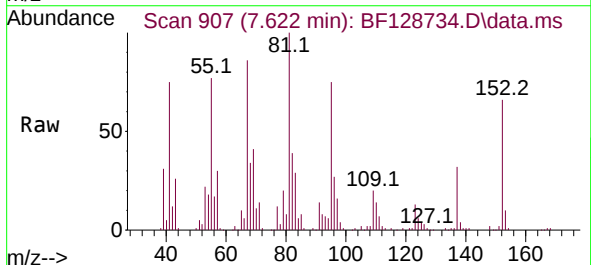
Tgt Ion: 82 Resp: 23569

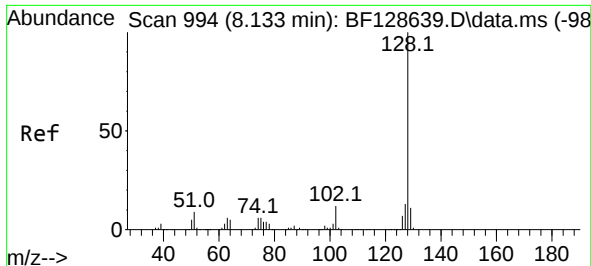
Ion Ratio Lower Upper

82 100

95 194.0 5.7 8.5#

138 10.4 14.2 21.2#

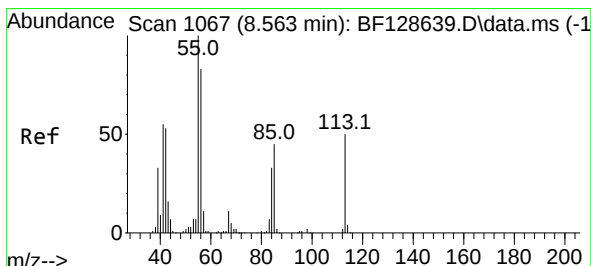
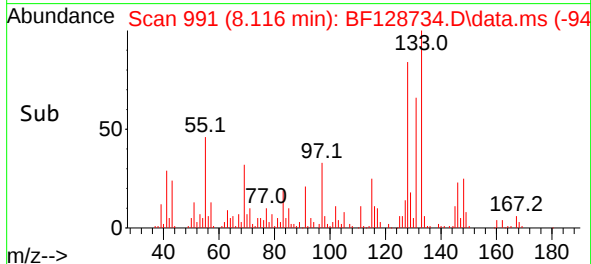
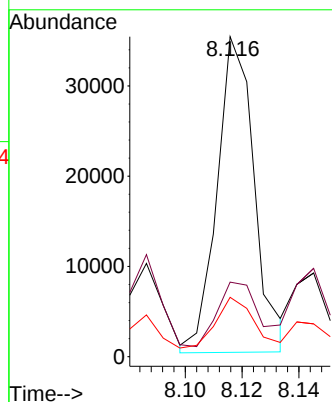
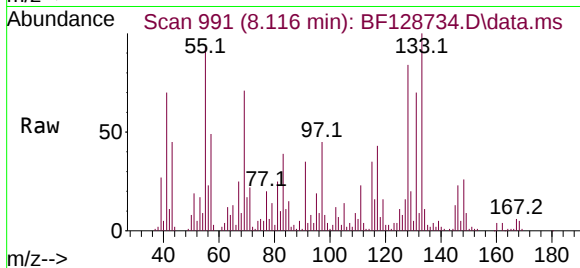




#31
Naphthalene
Concen: 2.954 ng
RT: 8.116 min Scan# 994
Delta R.T. -0.006 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

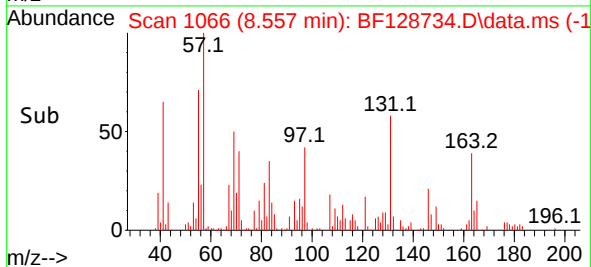
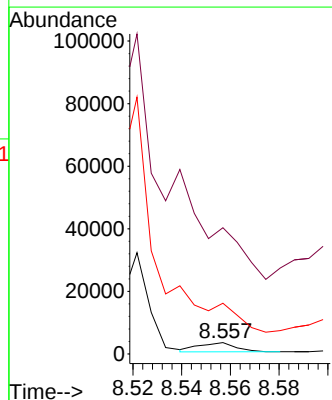
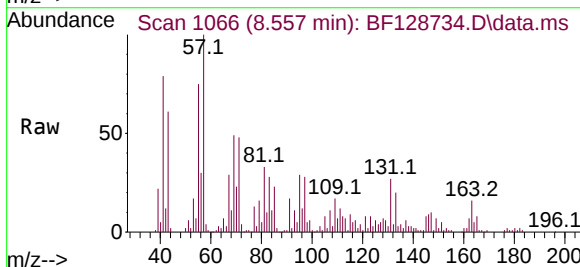
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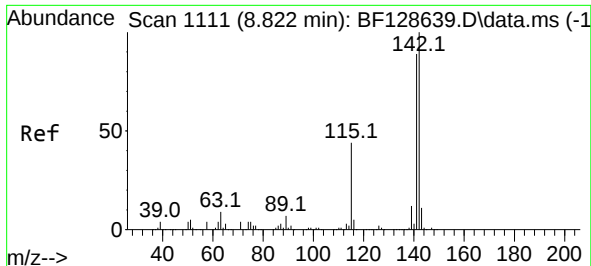
Tgt Ion:128 Resp: 31911
Ion Ratio Lower Upper
128 100
129 23.3 9.2 13.8#
127 18.5 10.5 15.7#



#35
Caprolactam
Concen: 3.508 ng
RT: 8.557 min Scan# 1066
Delta R.T. -0.000 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

Tgt Ion:113 Resp: 3127
Ion Ratio Lower Upper
113 100
55 1118.6 188.5 228.5#
56 450.0 130.6 170.6#

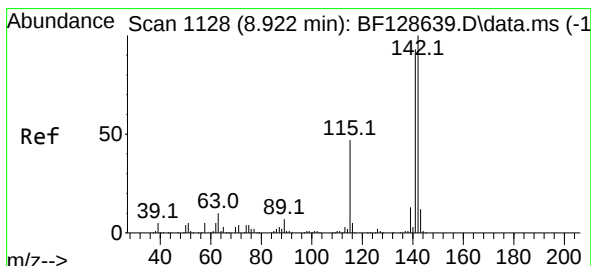
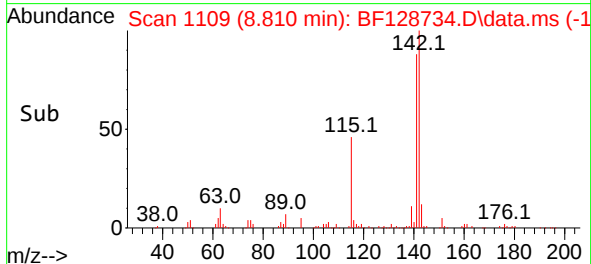
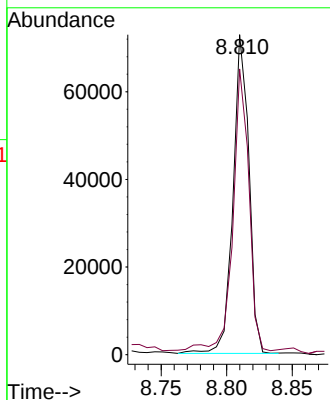
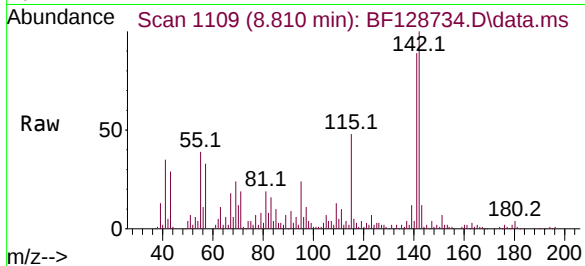




#37
2-Methylnaphthalene
Concen: 8.931 ng
RT: 8.810 min Scan# 1111
Delta R.T. -0.000 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

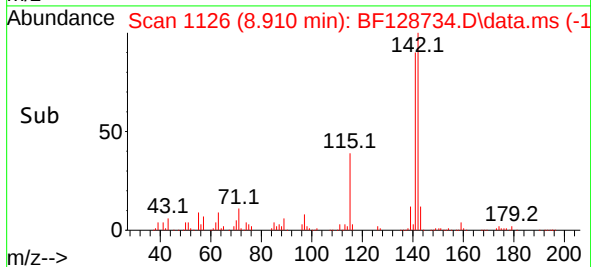
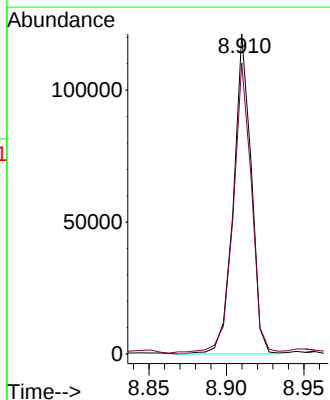
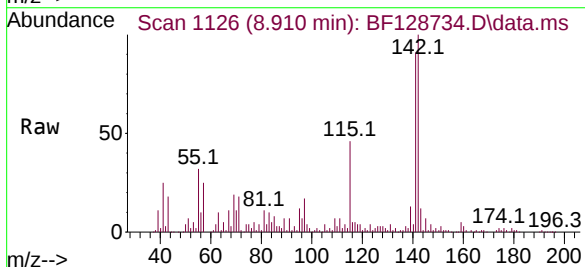
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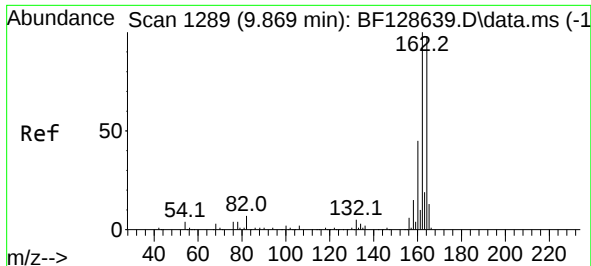
Tgt Ion:142 Resp: 61362
Ion Ratio Lower Upper
142 100
141 89.3 71.0 106.4



#38
1-Methylnaphthalene
Concen: 14.548 ng
RT: 8.910 min Scan# 1126
Delta R.T. -0.000 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

Tgt Ion:142 Resp: 96570
Ion Ratio Lower Upper
142 100
141 91.0 74.2 111.4

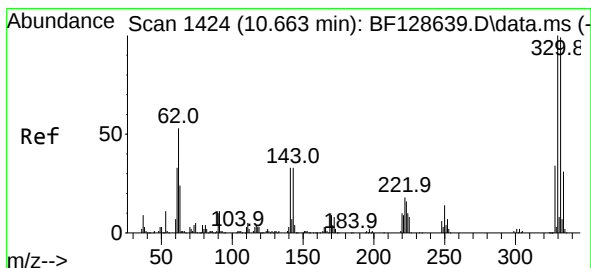
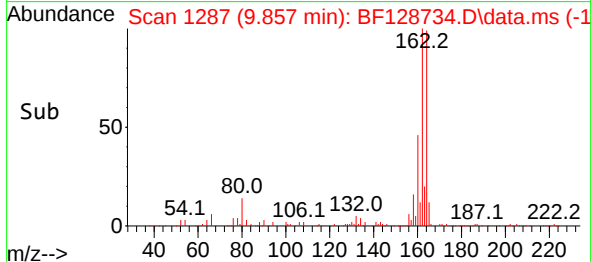
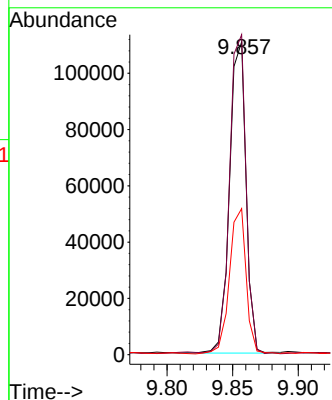
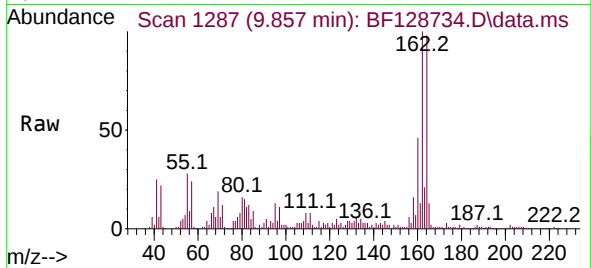




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

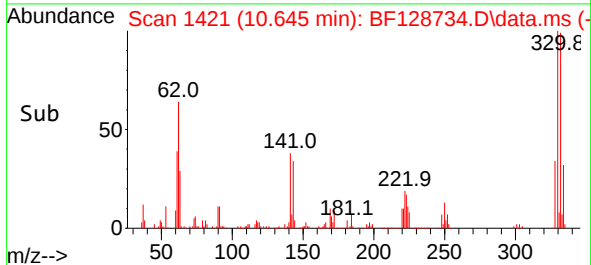
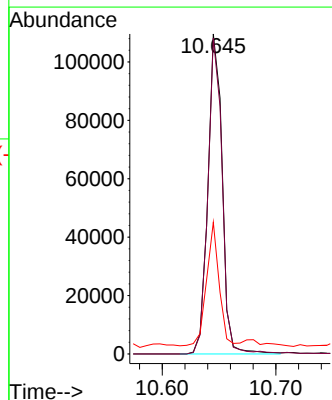
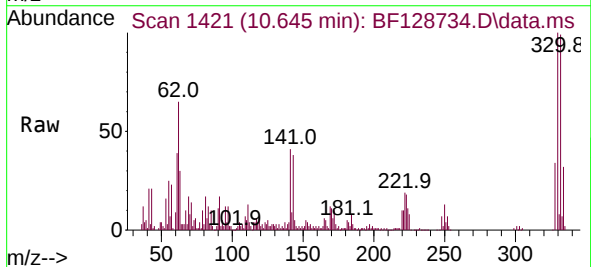
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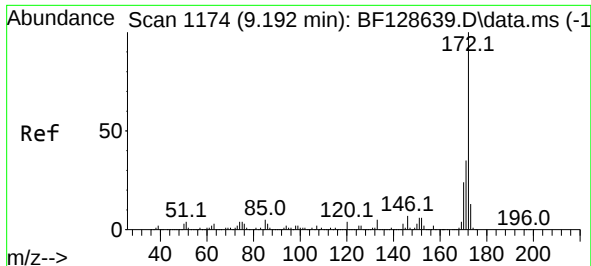
Tgt Ion:164 Resp: 96848
Ion Ratio Lower Upper
164 100
162 102.3 79.5 119.3
160 46.7 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 83.826 ng
RT: 10.645 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

Tgt Ion:330 Resp: 95923
Ion Ratio Lower Upper
330 100
332 98.1 76.8 115.2
141 33.8 28.0 42.0

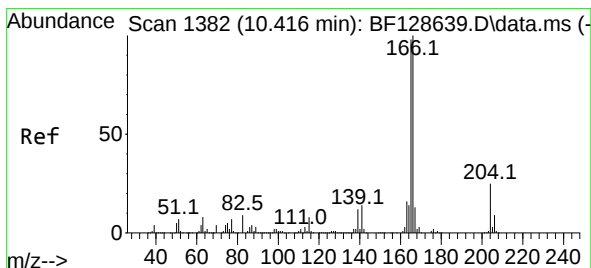
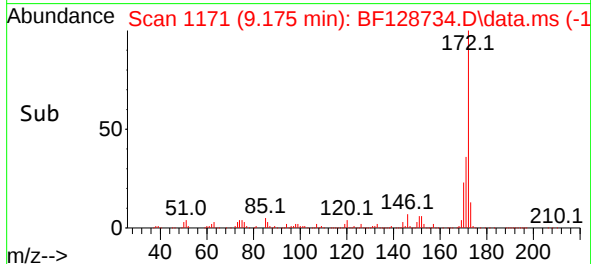
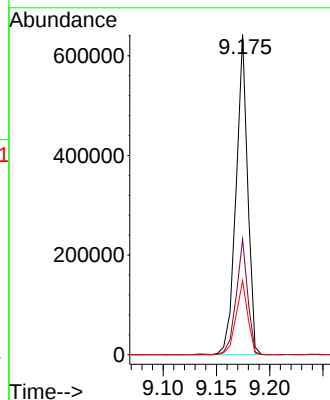
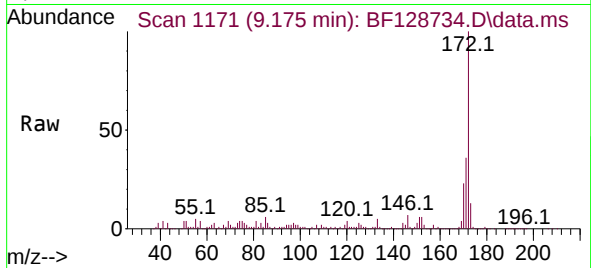




#45
2-Fluorobiphenyl
Concen: 70.660 ng
RT: 9.175 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

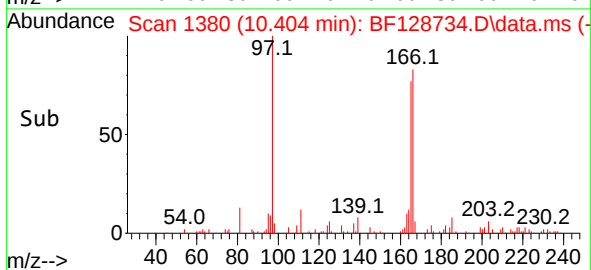
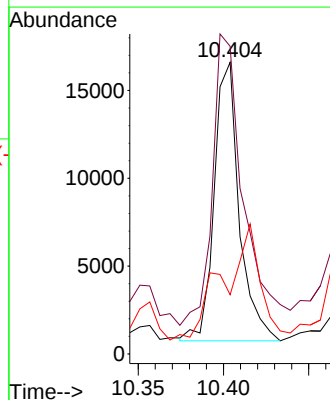
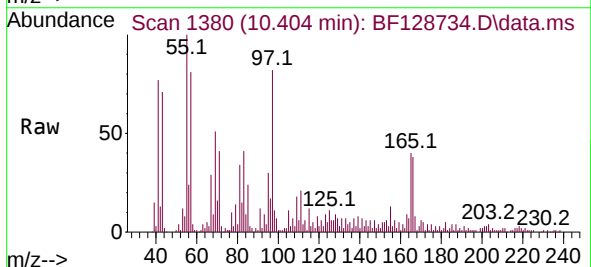
Instrument :
BNA_F
ClientSampleId :
WC-14B-10-GRRE

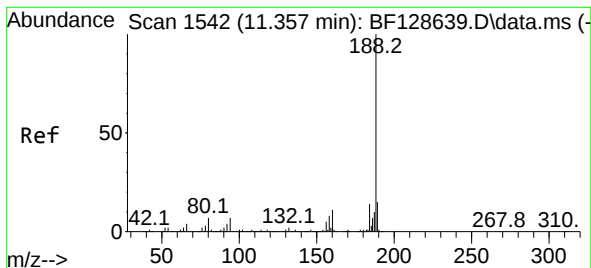
Tgt Ion:172 Resp: 488523
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 23.1 19.8 29.8



#58
Fluorene
Concen: 2.630 ng
RT: 10.404 min Scan# 1380
Delta R.T. -0.000 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

Tgt Ion:166 Resp: 16203
Ion Ratio Lower Upper
166 100
165 105.5 78.1 117.1
167 20.3 10.5 15.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF128734.D

Acq: 08 Jun 2022 14:31

Instrument :

BNA_F

ClientSampleId :

WC-14B-10-GRRE

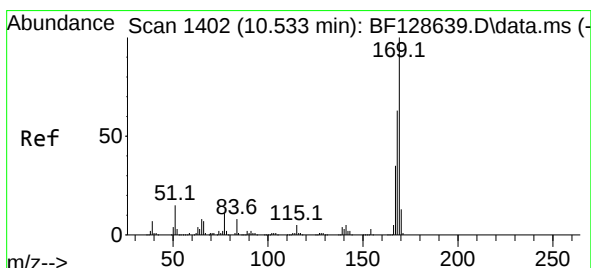
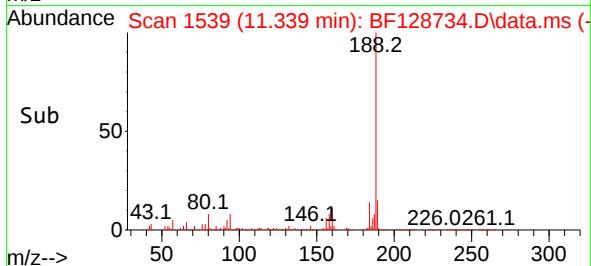
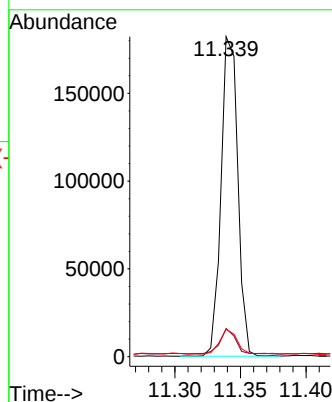
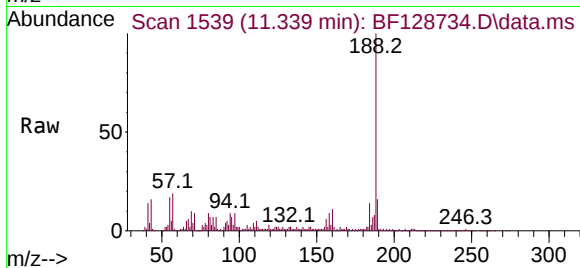
Tgt Ion:188 Resp: 161522

Ion Ratio Lower Upper

188 100

94 8.8 7.0 10.6

80 8.5 7.6 11.4



#66

n-Nitrosodiphenylamine

Concen: 4.949 ng

RT: 10.510 min Scan# 1398

Delta R.T. -0.006 min

Lab File: BF128734.D

Acq: 08 Jun 2022 14:31

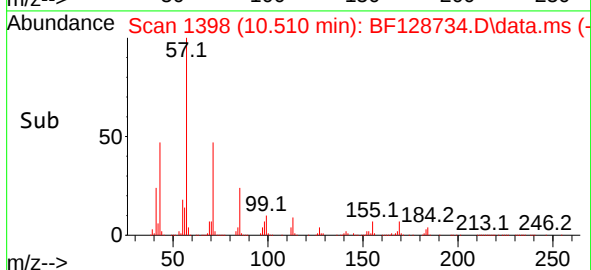
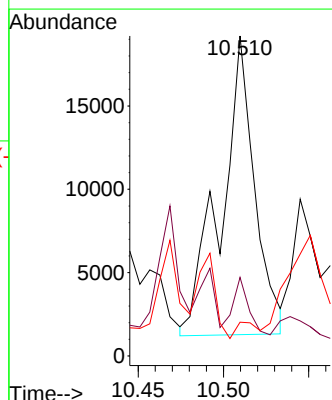
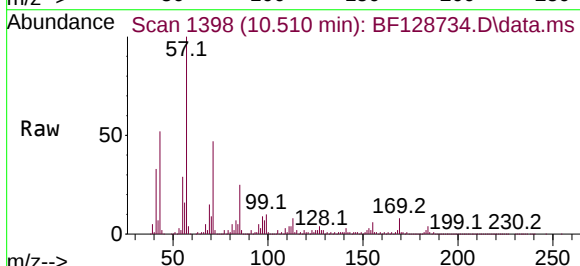
Tgt Ion:169 Resp: 24569

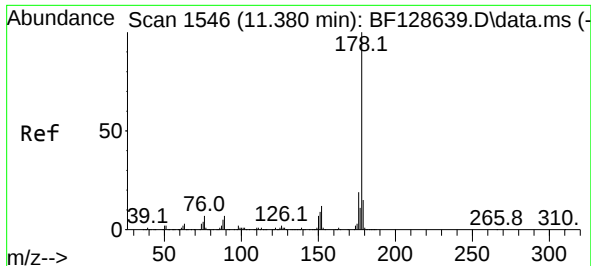
Ion Ratio Lower Upper

169 100

168 24.5 50.1 75.1#

167 10.5 27.9 41.9#

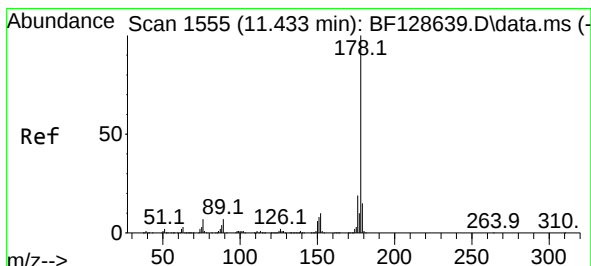
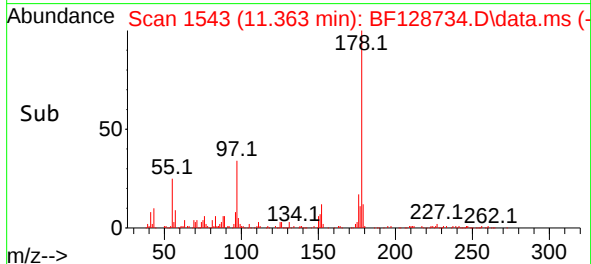
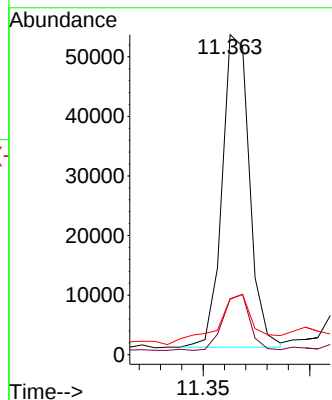
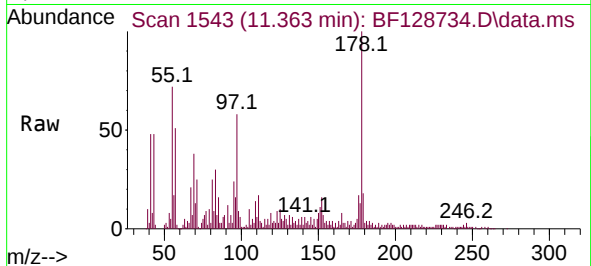




#71
Phenanthrene
Concen: 5.776 ng
RT: 11.363 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

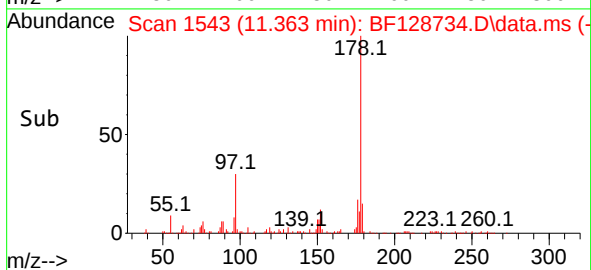
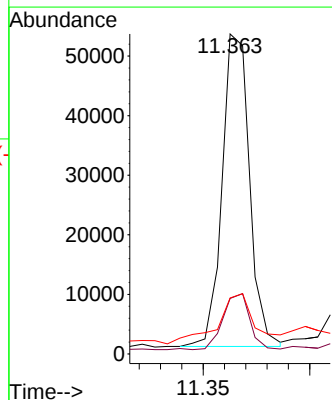
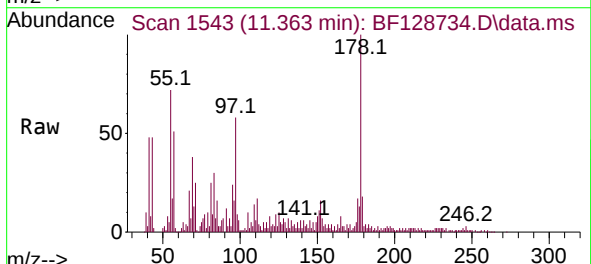
Instrument :
BNA_F
ClientSampleId :
WC-14B-10-GRRE

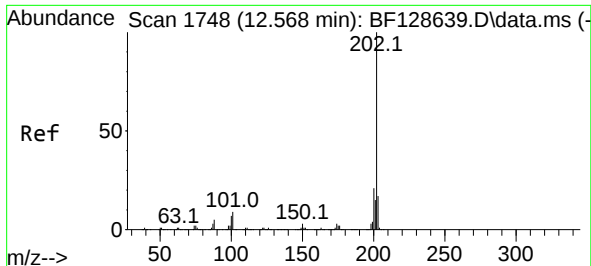
Tgt Ion:178 Resp: 46797
Ion Ratio Lower Upper
178 100
176 17.4 16.0 24.0
179 17.5 12.6 19.0



#72
Anthracene
Concen: 5.836 ng
RT: 11.363 min Scan# 1543
Delta R.T. -0.059 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

Tgt Ion:178 Resp: 46797
Ion Ratio Lower Upper
178 100
176 17.4 15.4 23.2
179 17.5 12.6 19.0

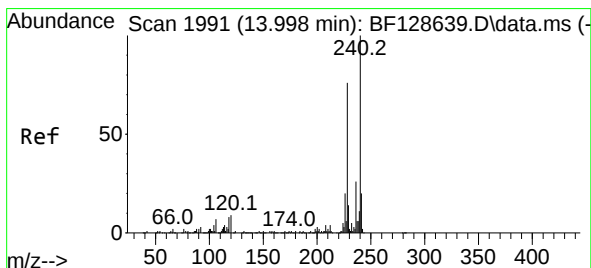
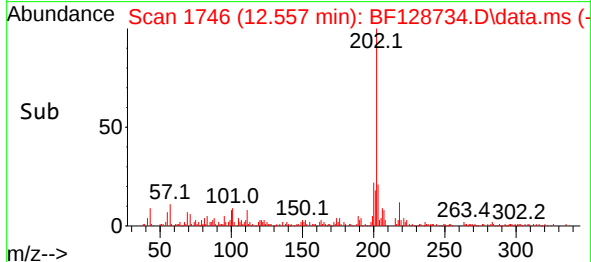
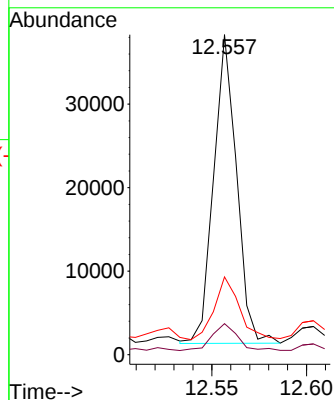
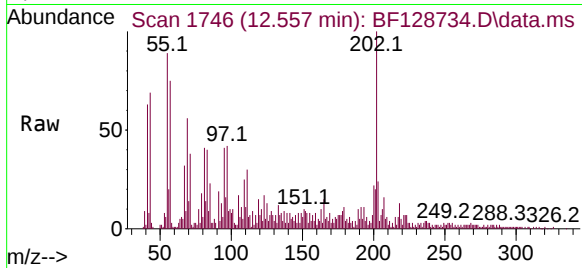




#75
Fluoranthene
Concen: 3.669 ng
RT: 12.557 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

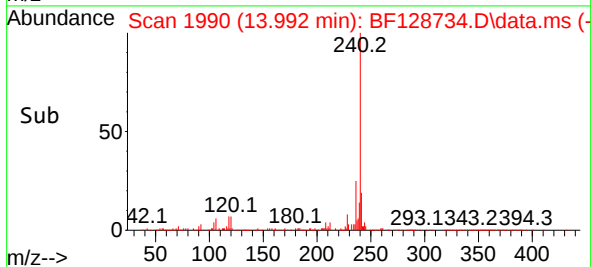
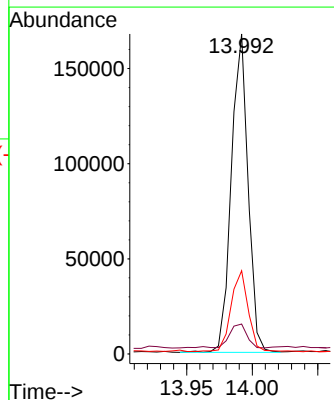
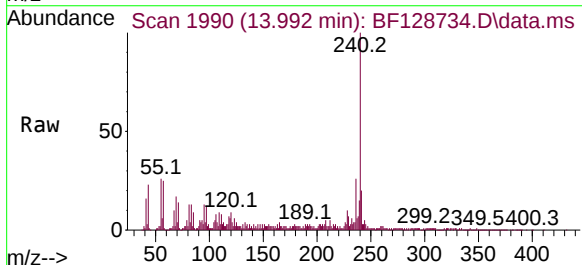
Instrument :
BNA_F
ClientSampleId :
WC-14B-10-GRRE

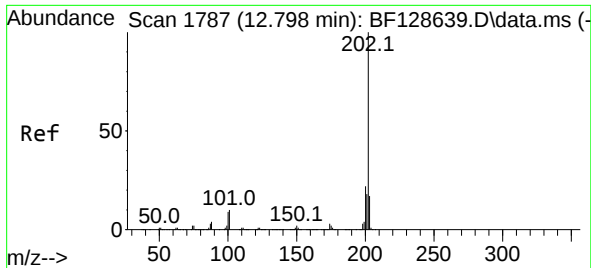
Tgt Ion:202 Resp: 31068
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.4
203 24.3 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 1990
Delta R.T. 0.006 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

Tgt Ion:240 Resp: 148268
Ion Ratio Lower Upper
240 100
120 9.3 8.9 13.3
236 26.0 20.8 31.2

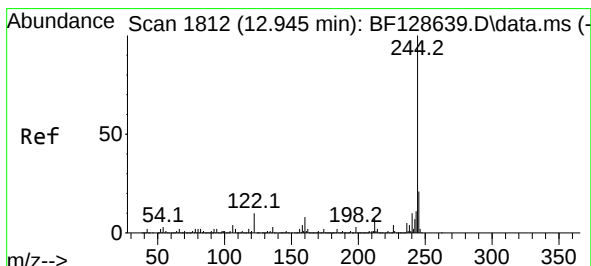
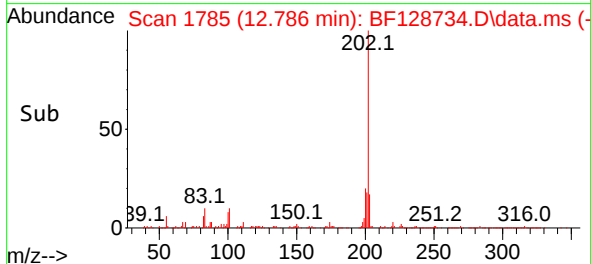
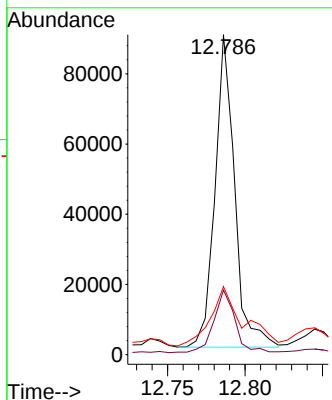
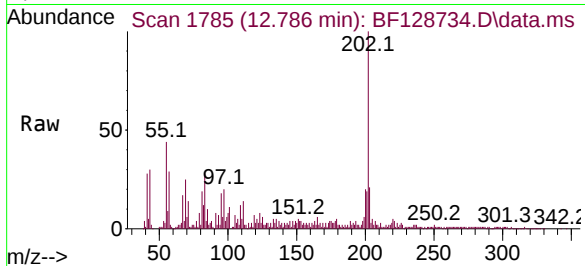




#78
Pyrene
Concen: 7.091 ng
RT: 12.786 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

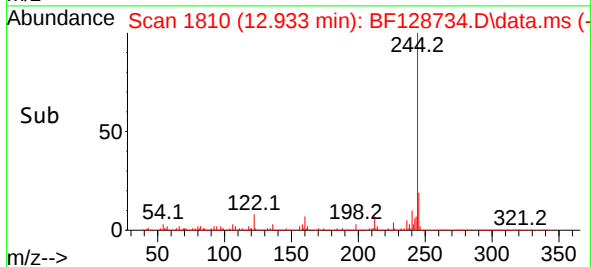
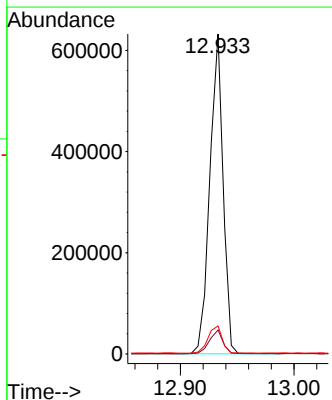
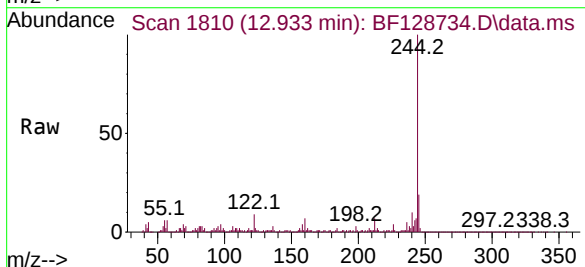
Instrument :
BNA_F
ClientSampleId :
WC-14B-10-GRRE

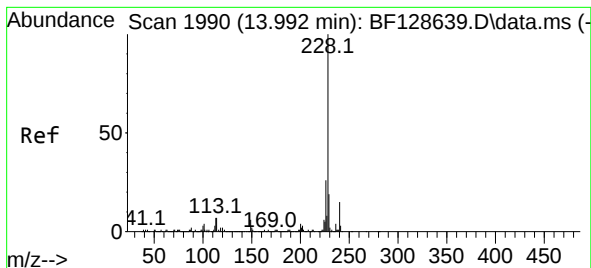
Tgt Ion:202 Resp: 78216
Ion Ratio Lower Upper
202 100
200 20.2 17.7 26.5
203 21.3 14.6 21.8



#79
Terphenyl-d14
Concen: 59.982 ng
RT: 12.933 min Scan# 1810
Delta R.T. -0.000 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

Tgt Ion:244 Resp: 511807
Ion Ratio Lower Upper
244 100
212 7.5 6.1 9.1
122 8.7 8.8 13.2#





#81

Benzo(a)anthracene

Concen: 6.131 ng

RT: 13.980 min Scan# 1988

Delta R.T. 0.006 min

Lab File: BF128734.D

Acq: 08 Jun 2022 14:31

Instrument :

BNA_F

ClientSampleId :

WC-14B-10-GRRE

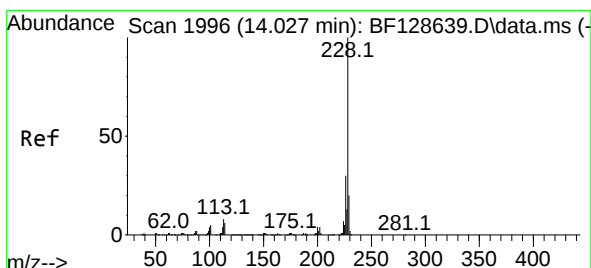
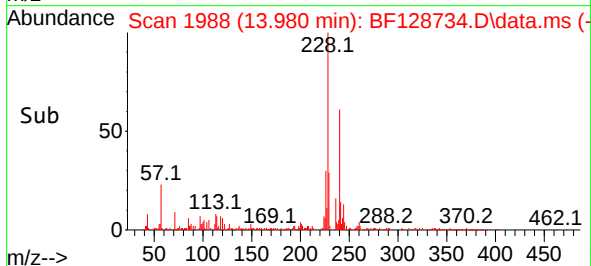
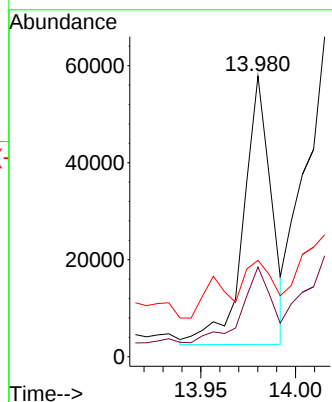
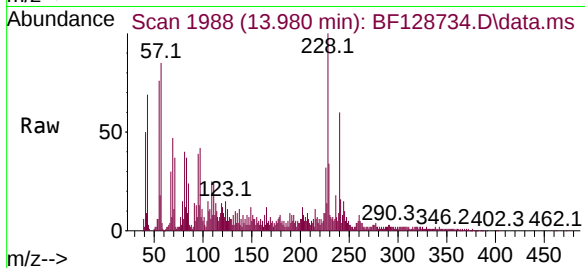
Tgt Ion:228 Resp: 56662

Ion Ratio Lower Upper

228 100

226 31.9 22.1 33.1

229 34.3 15.8 23.8#



#83

Chrysene

Concen: 9.187 ng

RT: 14.015 min Scan# 1994

Delta R.T. -0.000 min

Lab File: BF128734.D

Acq: 08 Jun 2022 14:31

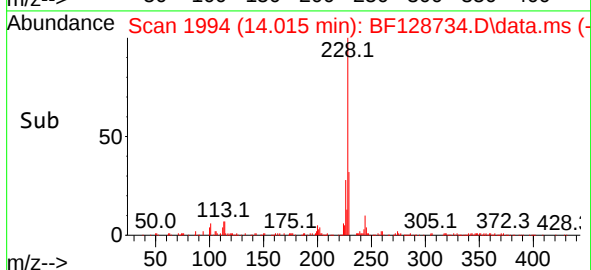
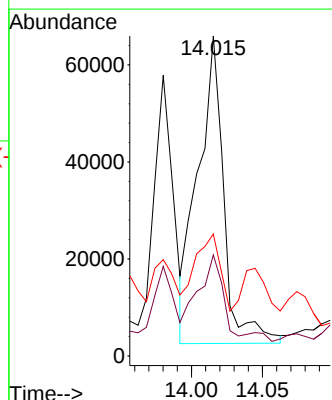
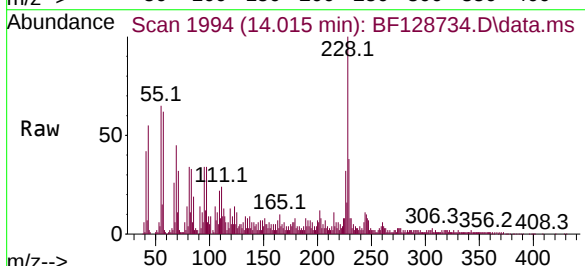
Tgt Ion:228 Resp: 80951

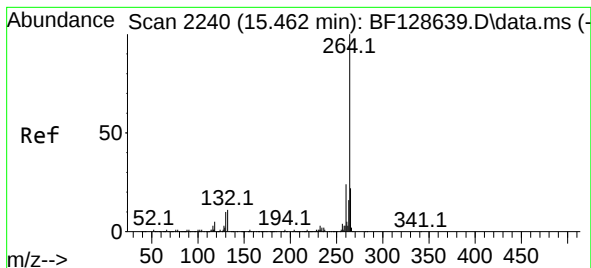
Ion Ratio Lower Upper

228 100

226 31.6 24.3 36.5

229 38.1 15.9 23.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.456 min Scan# 21

Delta R.T. 0.011 min

Lab File: BF128734.D

Acq: 08 Jun 2022 14:31

Instrument :

BNA_F

ClientSampleId :

WC-14B-10-GRRE

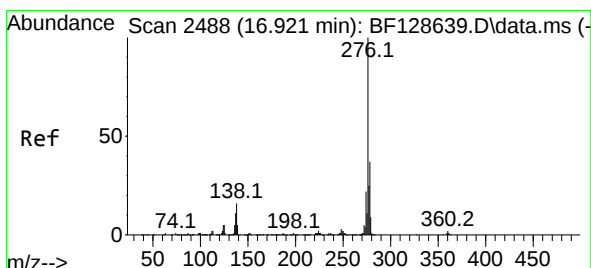
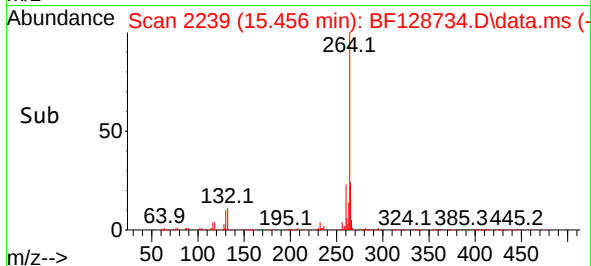
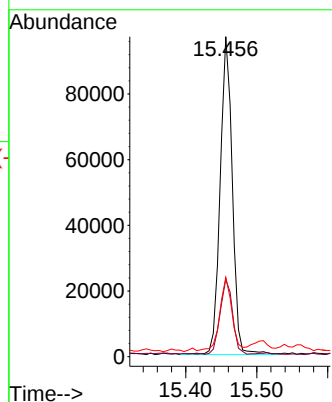
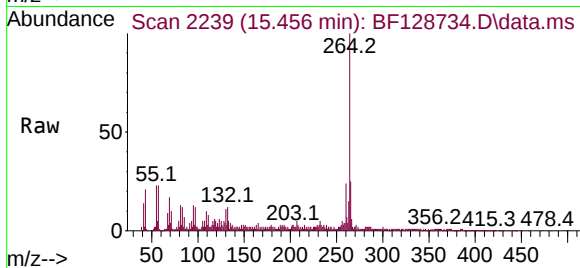
Tgt Ion:264 Resp: 114387

Ion Ratio Lower Upper

264 100

260 24.2 18.4 27.6

265 24.8 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.153 ng

RT: 16.909 min Scan# 2486

Delta R.T. 0.011 min

Lab File: BF128734.D

Acq: 08 Jun 2022 14:31

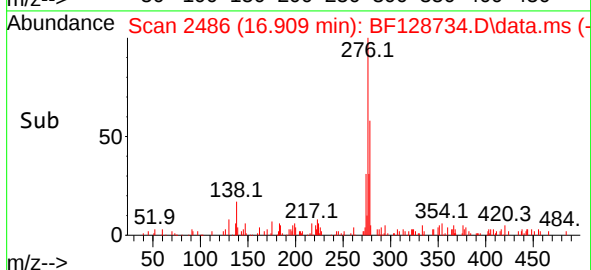
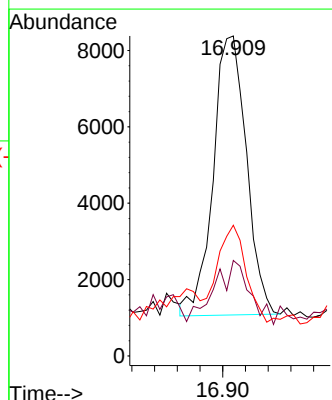
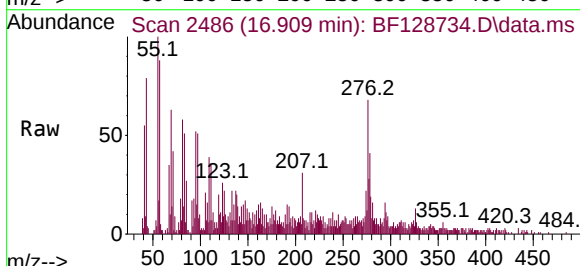
Tgt Ion:276 Resp: 14841

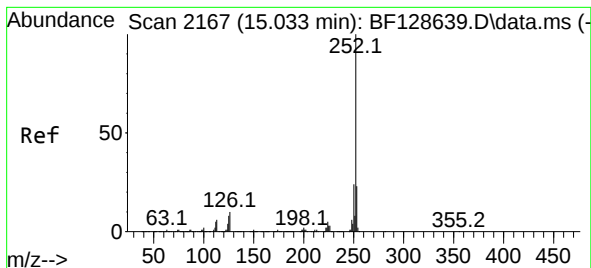
Ion Ratio Lower Upper

276 100

138 24.5 21.1 31.7

277 28.4 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 4.886 ng

RT: 15.027 min Scan# 2166

Delta R.T. 0.006 min

Lab File: BF128734.D

Acq: 08 Jun 2022 14:31

Instrument :

BNA_F

ClientSampleId :

WC-14B-10-GRRE

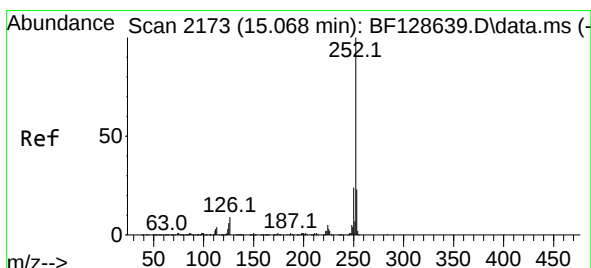
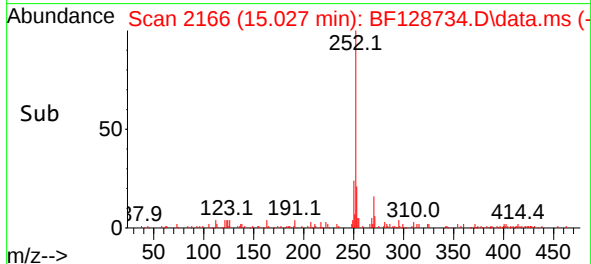
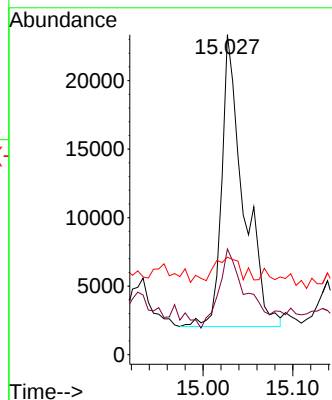
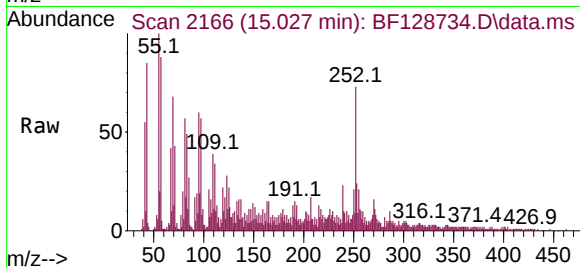
Tgt Ion:252 Resp: 35712

Ion Ratio Lower Upper

252 100

253 33.1 17.7 26.5#

125 30.5 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 5.194 ng

RT: 15.027 min Scan# 2166

Delta R.T. -0.024 min

Lab File: BF128734.D

Acq: 08 Jun 2022 14:31

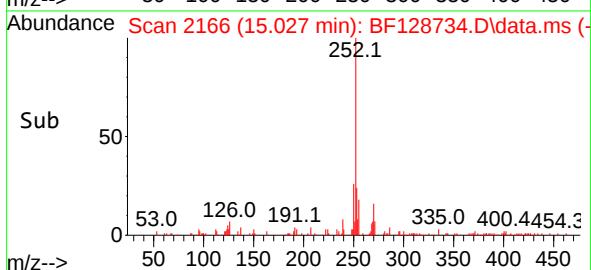
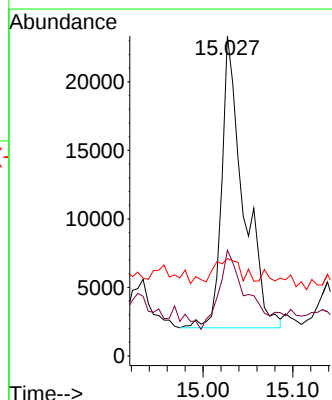
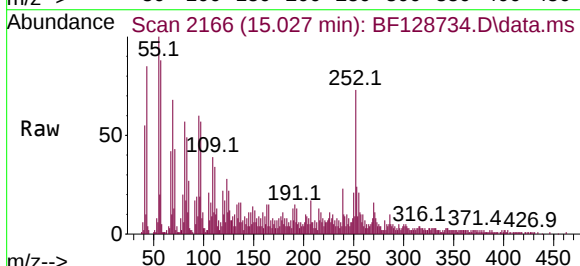
Tgt Ion:252 Resp: 35712

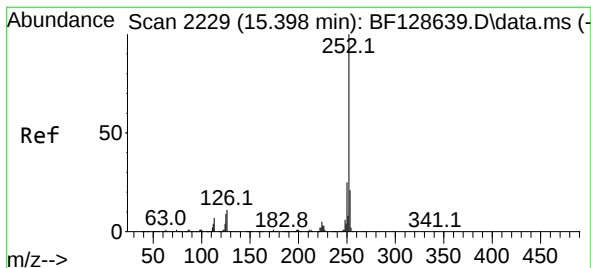
Ion Ratio Lower Upper

252 100

253 33.1 17.8 26.6#

125 30.5 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 5.943 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF128734.D

Acq: 08 Jun 2022 14:31

Instrument :

BNA_F

ClientSampleId :

WC-14B-10-GRRE

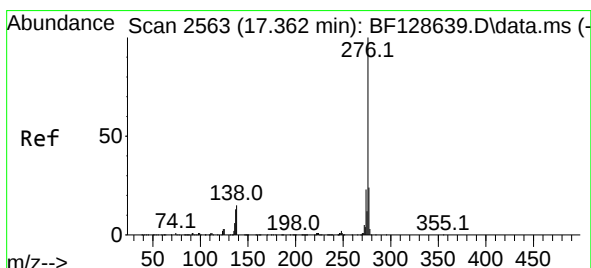
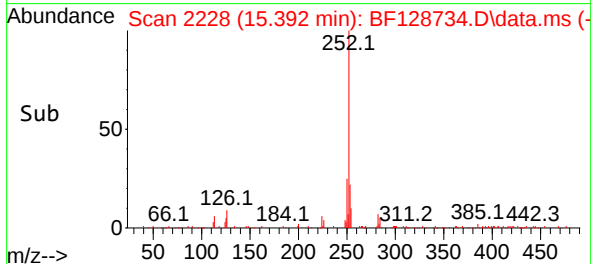
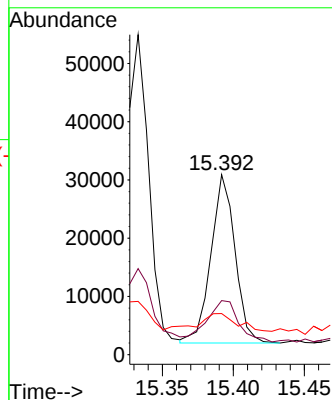
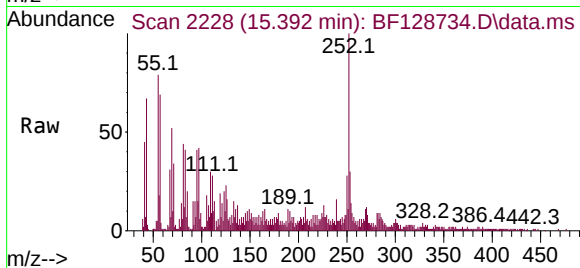
Tgt Ion:252 Resp: 34142

Ion Ratio Lower Upper

252 100

253 30.1 17.0 25.6#

125 22.8 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 6.139 ng

RT: 17.350 min Scan# 2561

Delta R.T. 0.011 min

Lab File: BF128734.D

Acq: 08 Jun 2022 14:31

Tgt Ion:276 Resp: 34793

Ion Ratio Lower Upper

276 100

277 27.1 19.1 28.7

138 21.5 18.0 27.0

