

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061322\
 Data File : BF128795.D
 Acq On : 13 Jun 2022 20:46
 Operator : CG\JU
 Sample : N3304-04 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14A-1A-9-G

Quant Time: Jun 14 01:57:23 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)

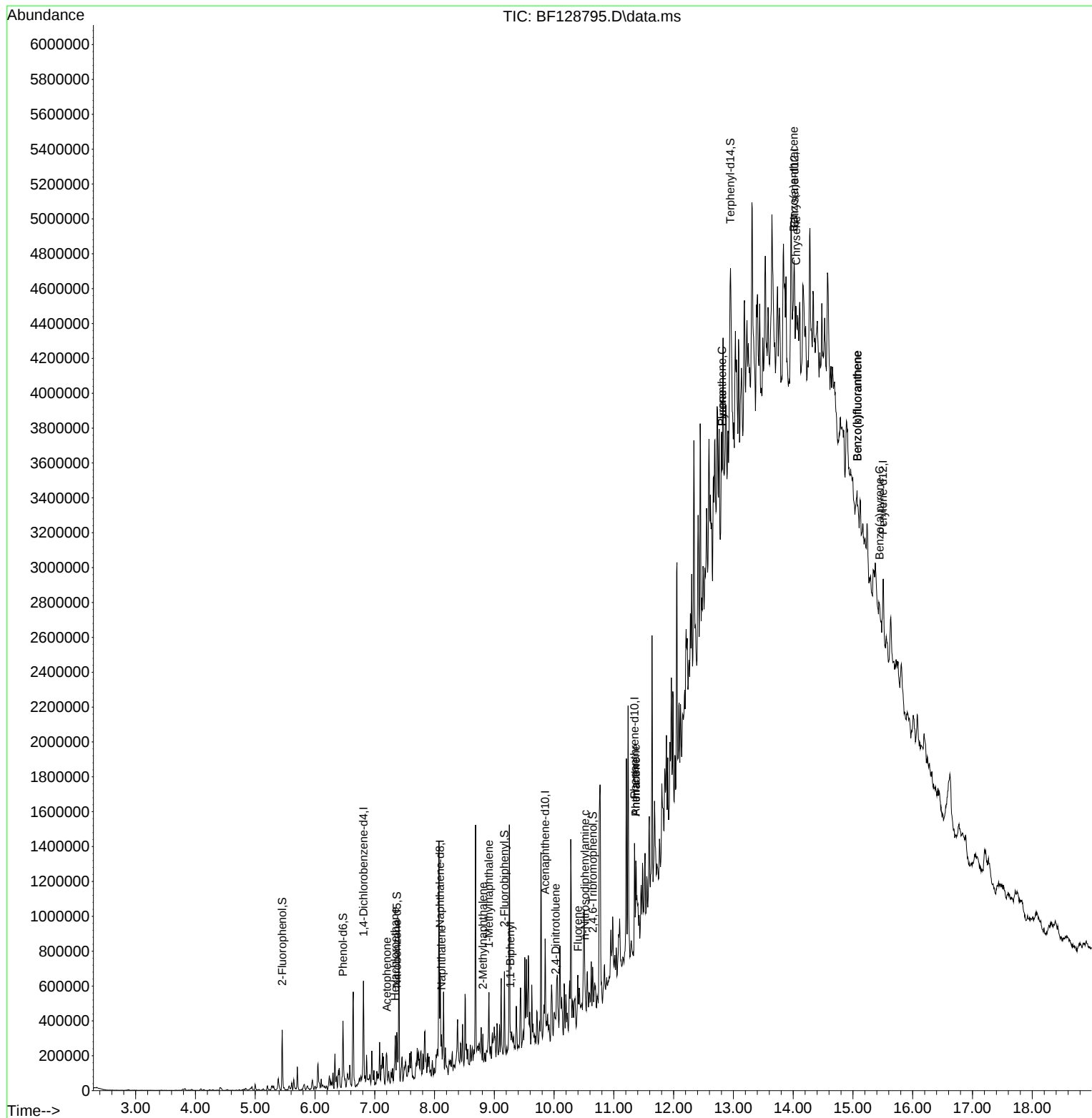
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	67793	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	219892	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	103885	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	170507	20.000	ng	0.00
76) Chrysene-d12	14.021	240	122958	20.000	ng	# 0.04
86) Perylene-d12	15.504	264	93072	20.000	ng	# 0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	86255	20.266	ng	0.00
7) Phenol-d6	6.469	99	105506	20.308	ng	-0.01
23) Nitrobenzene-d5	7.369	82	60158	12.737	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	21163	17.241	ng	0.00
45) 2-Fluorobiphenyl	9.169	172	125740	16.955	ng	0.00
79) Terphenyl-d14	12.951	244	121442	17.162	ng	0.02
Target Compounds						
						Qvalue
18) Hexachloroethane	7.340	117	6546	3.460	ng	# 1
22) Acetophenone	7.204	105	15729	2.735	ng	# 58
31) Naphthalene	8.116	128	44105	3.908	ng	# 95
37) 2-Methylnaphthalene	8.810	142	35169	4.900	ng	98
38) 1-Methylnaphthalene	8.910	142	84749	12.221	ng	99
46) 1,1'-Biphenyl	9.269	154	16332	2.095	ng	99
57) 2,4-Dinitrotoluene	10.028	165	4057	2.166	ng	# 50
58) Fluorene	10.404	166	22412	3.391	ng	# 91
66) n-Nitrosodiphenylamine	10.516	169	33346	6.363	ng	# 50
71) Phenanthrene	11.369	178	164829	19.273	ng	96
72) Anthracene	11.369	178	164829	19.472	ng	97
75) Fluoranthene	12.810	202	93949	10.509	ng	91
78) Pyrene	12.810	202	96203	10.516	ng	# 92
81) Benzo(a)anthracene	14.010	228	38793	5.061	ng	# 34
83) Chrysene	14.051	228	64659	8.849	ng	# 62
88) Benzo(b)fluoranthene	15.074	252	18762	3.155	ng	# 1
89) Benzo(k)fluoranthene	15.074	252	18751	3.352	ng	# 1
90) Benzo(a)pyrene	15.445	252	12460	2.666	ng	# 1

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

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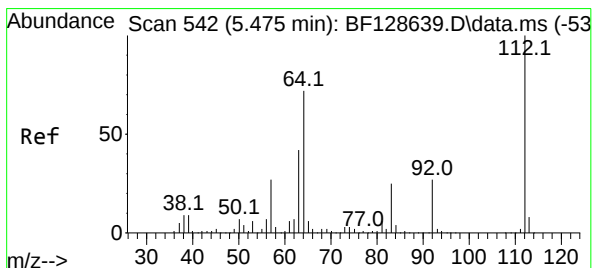
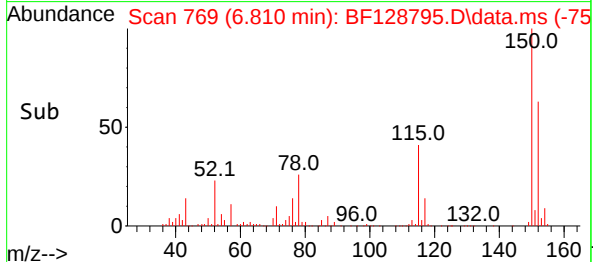
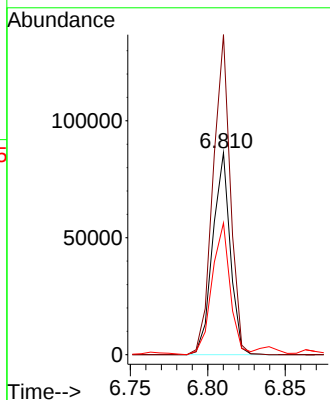
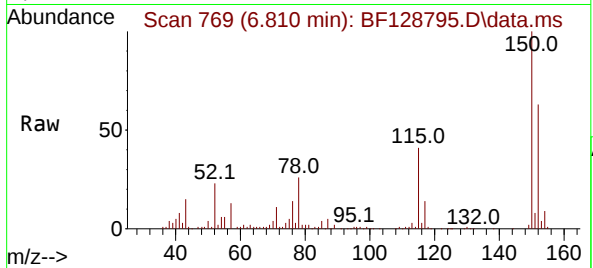




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

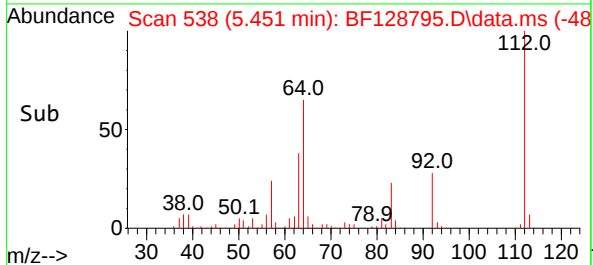
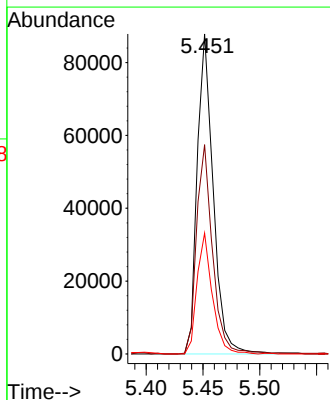
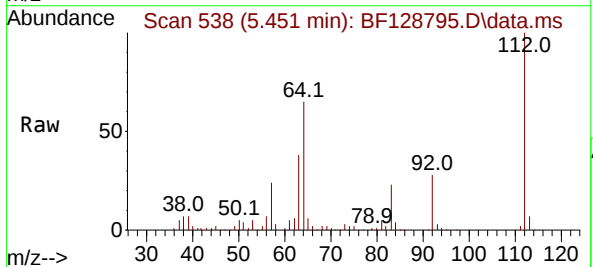
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-9-G

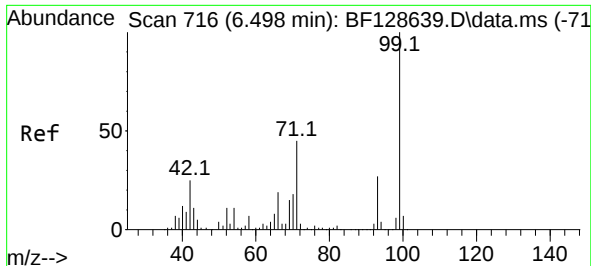
Tgt Ion:152 Resp: 67793
Ion Ratio Lower Upper
152 100
150 158.5 123.7 185.5
115 65.2 49.9 74.9



#5
2-Fluorophenol
Concen: 20.266 ng
RT: 5.451 min Scan# 538
Delta R.T. -0.006 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

Tgt Ion:112 Resp: 86255
Ion Ratio Lower Upper
112 100
64 65.4 53.3 79.9
63 37.8 28.0 42.0

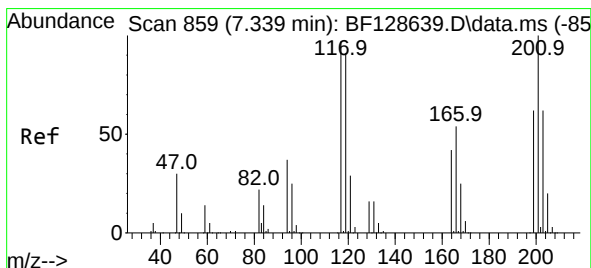
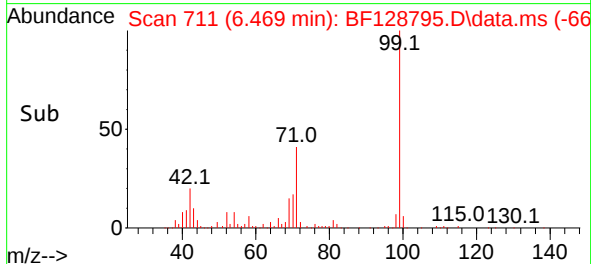
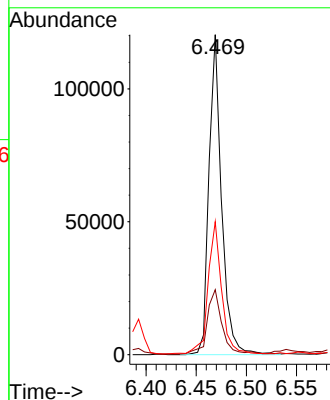
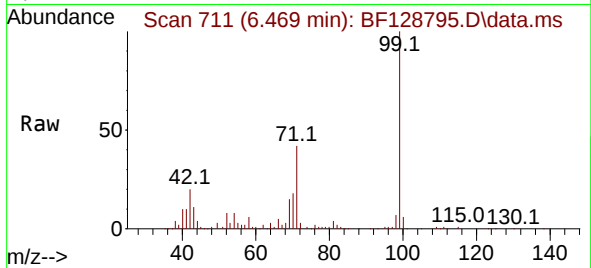




#7
Phenol-d6
Concen: 20.308 ng
RT: 6.469 min Scan# 716
Delta R.T. -0.012 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

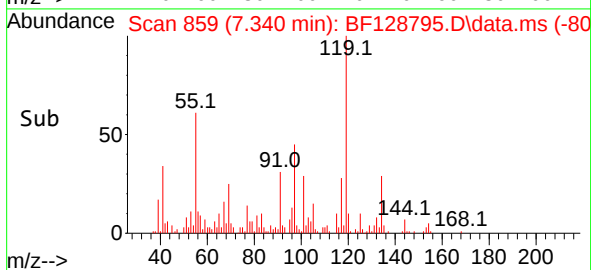
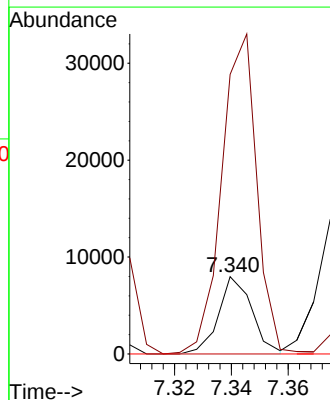
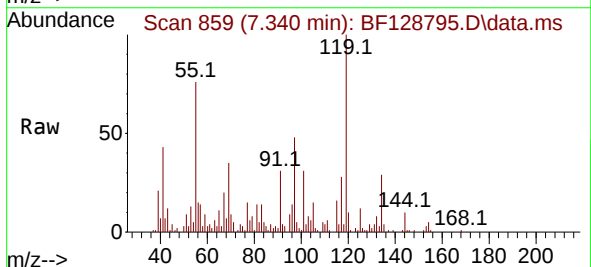
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-9-G

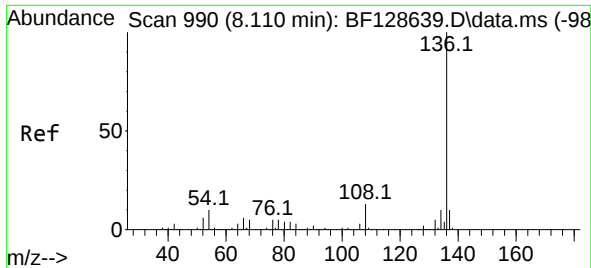
Tgt Ion: 99 Resp: 105506
Ion Ratio Lower Upper
99 100
42 20.3 17.3 25.9
71 41.5 28.9 43.3



#18
Hexachloroethane
Concen: 3.460 ng
RT: 7.340 min Scan# 859
Delta R.T. 0.017 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

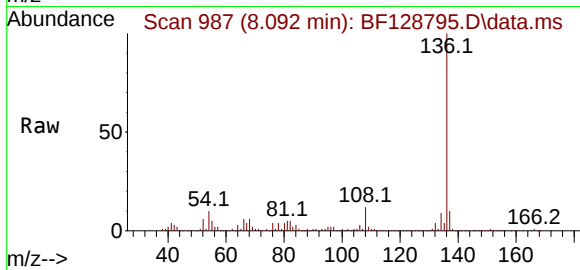
Tgt Ion: 117 Resp: 6546
Ion Ratio Lower Upper
117 100
119 361.4 77.4 116.2#
201 0.0 84.6 127.0#





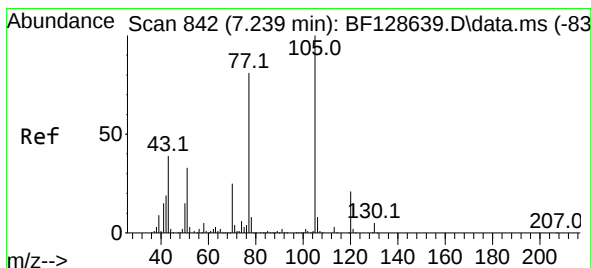
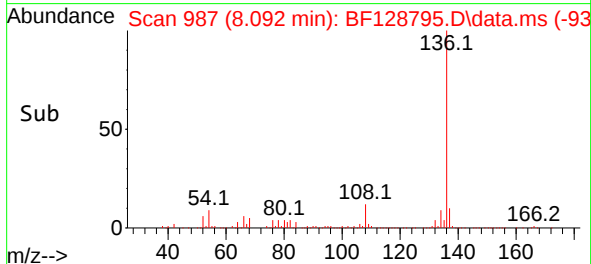
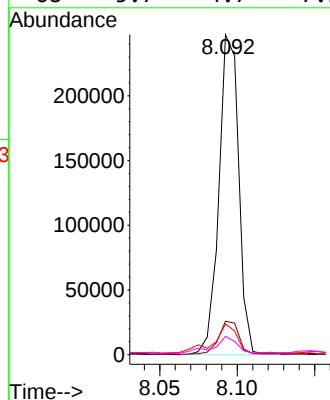
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-9-G



Tgt Ion:136 Resp: 219892

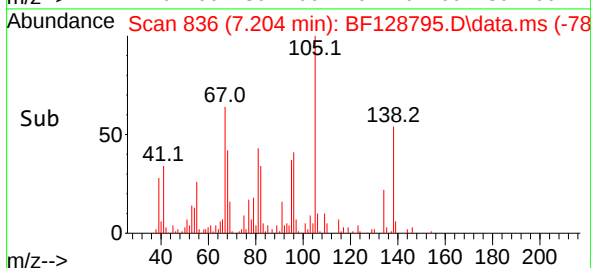
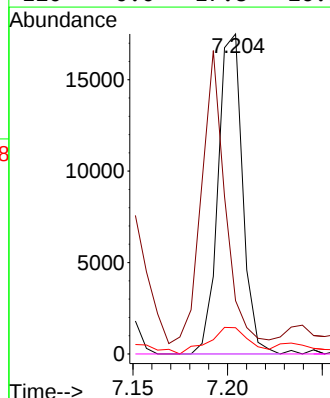
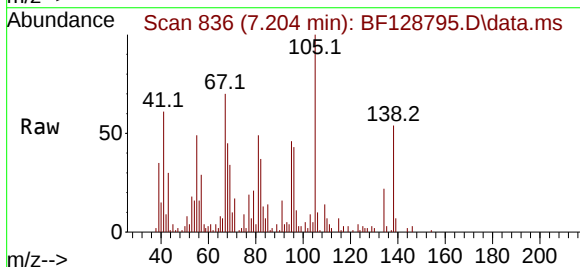
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	9.6	7.5	11.3
68	5.7	4.7	7.1

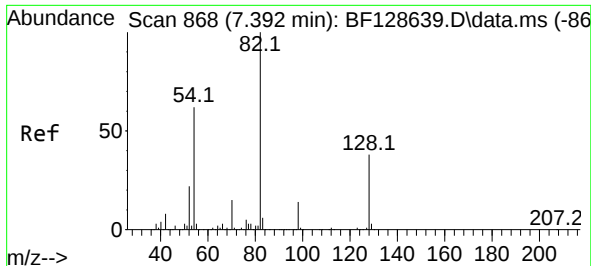


#22
Acetophenone
Concen: 2.735 ng
RT: 7.204 min Scan# 836
Delta R.T. -0.024 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

Tgt Ion:105 Resp: 15729

Ion	Ratio	Lower	Upper
105	100		
71	16.6	5.0	7.4#
51	8.2	25.0	37.4#
120	0.0	17.8	26.8#

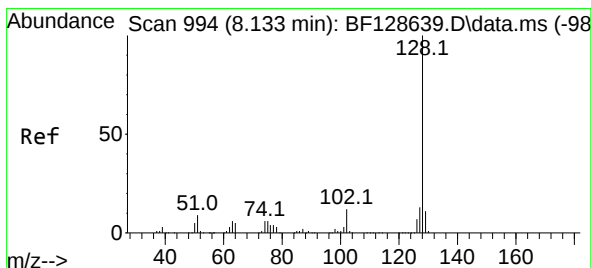
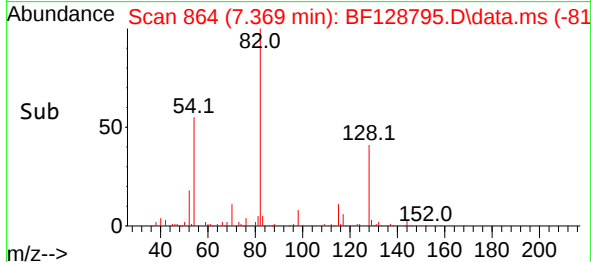
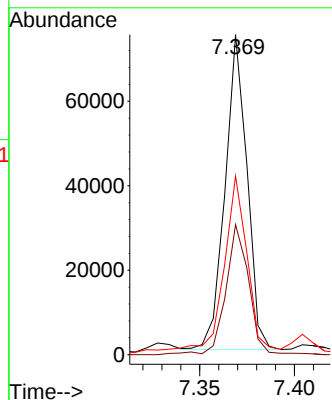
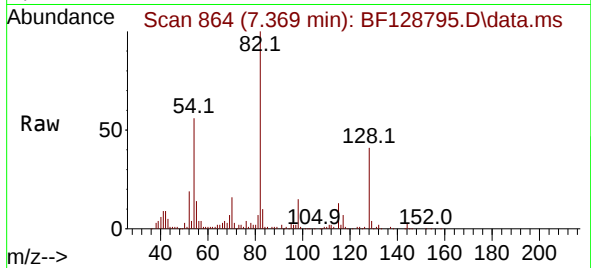




#23
Nitrobenzene-d5
Concen: 12.737 ng
RT: 7.369 min Scan# 864
Delta R.T. -0.012 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

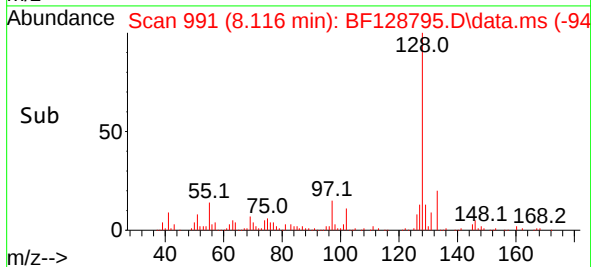
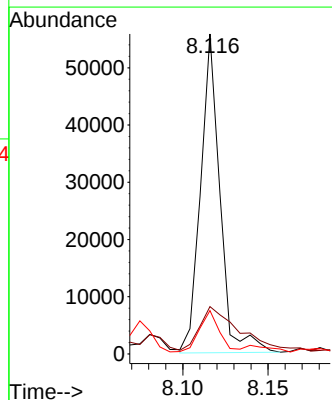
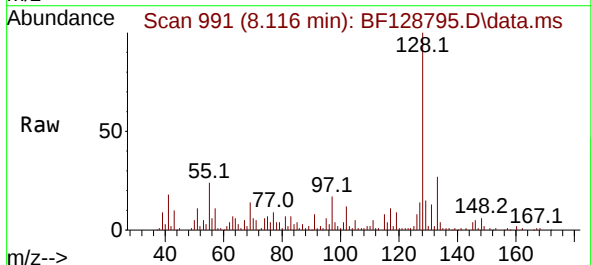
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-9-G

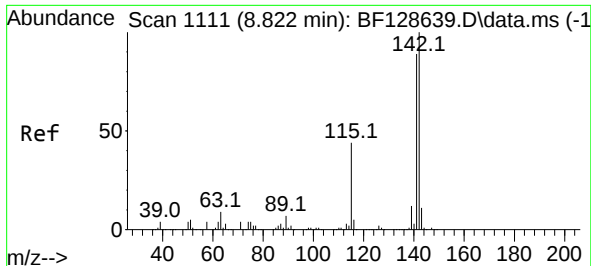
Tgt Ion: 82 Resp: 60158
Ion Ratio Lower Upper
82 100
128 40.7 34.0 51.0
54 55.9 46.9 70.3



#31
Naphthalene
Concen: 3.908 ng
RT: 8.116 min Scan# 991
Delta R.T. -0.006 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

Tgt Ion: 128 Resp: 44105
Ion Ratio Lower Upper
128 100
129 14.8 9.2 13.8#
127 13.5 10.5 15.7

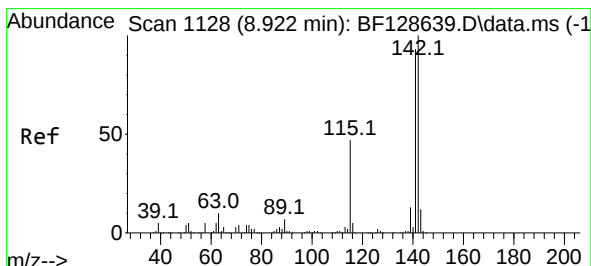
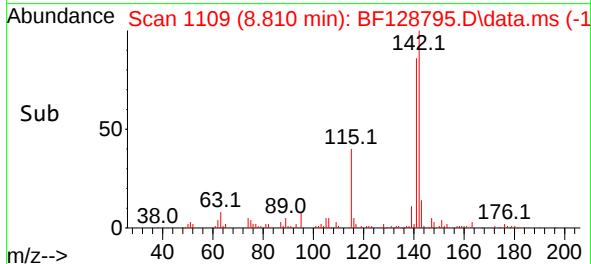
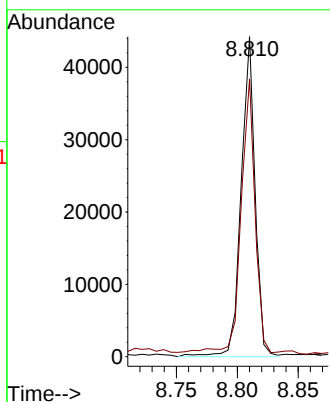
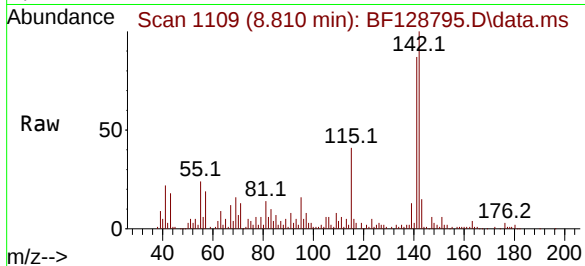




#37
2-Methylnaphthalene
Concen: 4.900 ng
RT: 8.810 min Scan# 1111
Delta R.T. -0.000 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

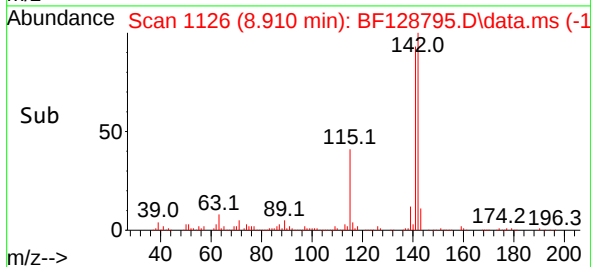
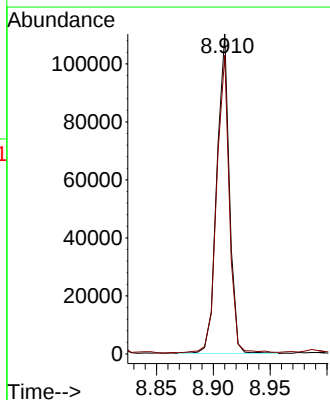
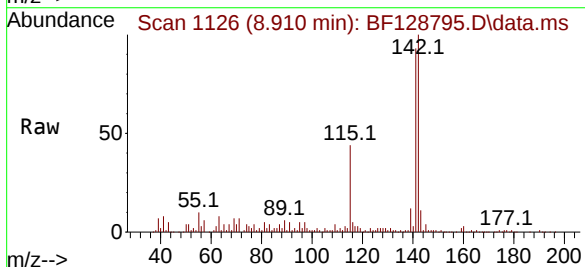
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-9-G

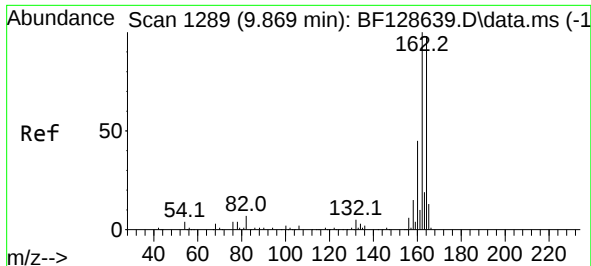
Tgt Ion:142 Resp: 35169
Ion Ratio Lower Upper
142 100
141 86.8 71.0 106.4



#38
1-Methylnaphthalene
Concen: 12.221 ng
RT: 8.910 min Scan# 1126
Delta R.T. -0.000 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

Tgt Ion:142 Resp: 84749
Ion Ratio Lower Upper
142 100
141 93.3 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.851 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128795.D

Acq: 13 Jun 2022 20:46

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-9-G

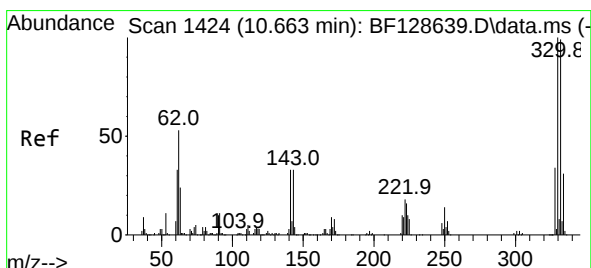
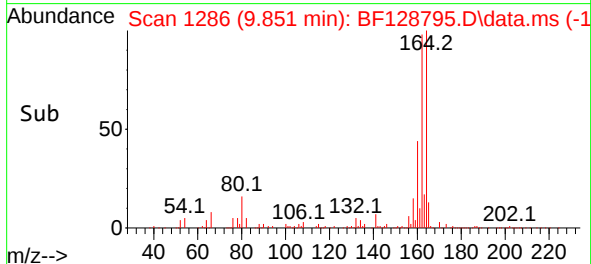
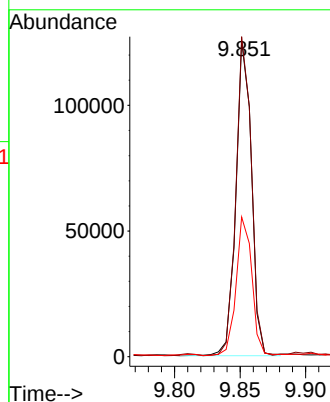
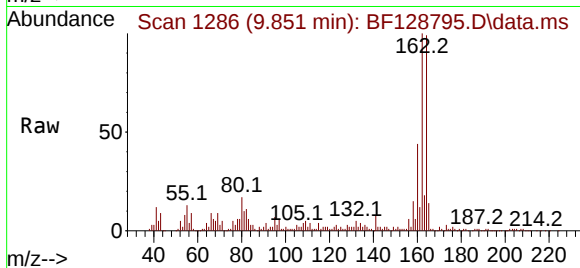
Tgt Ion:164 Resp: 103885

Ion Ratio Lower Upper

164 100

162 101.3 79.5 119.3

160 44.2 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 17.241 ng

RT: 10.651 min Scan# 1422

Delta R.T. -0.000 min

Lab File: BF128795.D

Acq: 13 Jun 2022 20:46

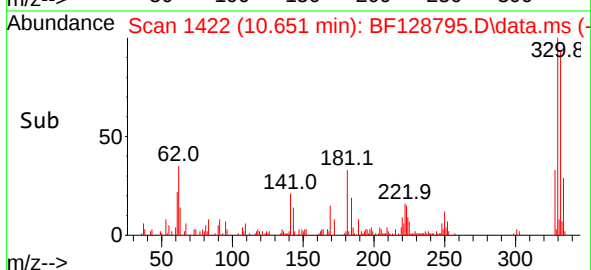
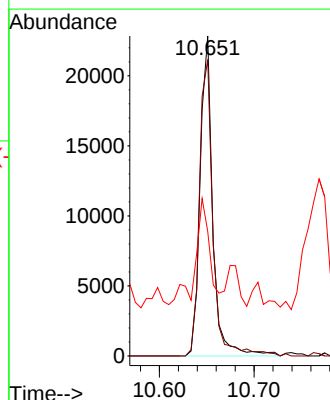
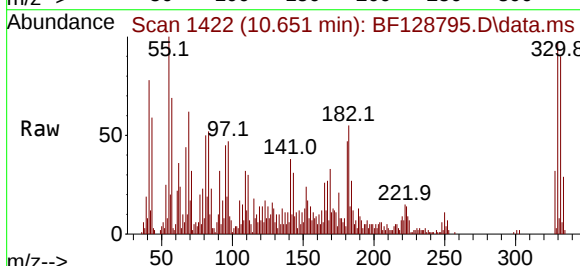
Tgt Ion:330 Resp: 21163

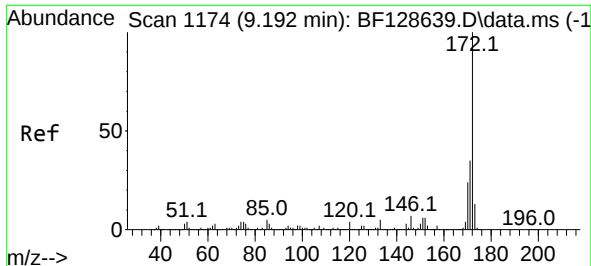
Ion Ratio Lower Upper

330 100

332 99.1 76.8 115.2

141 36.8 28.0 42.0

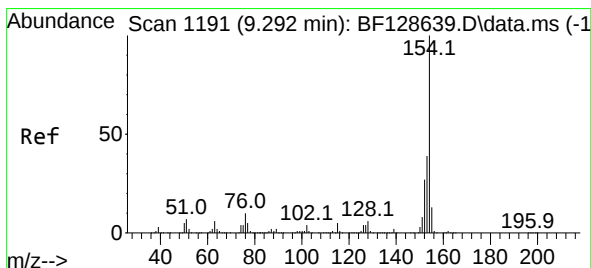
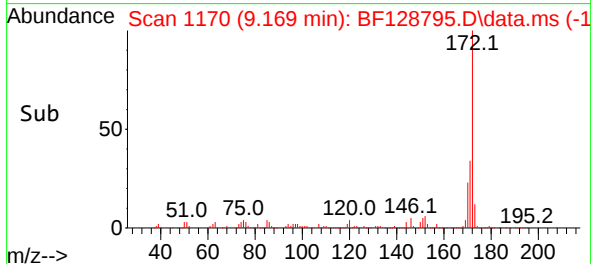
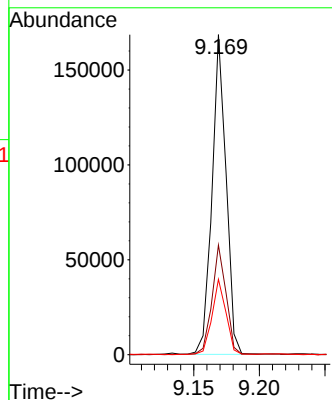
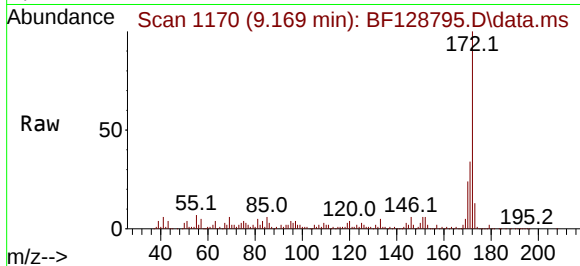




#45
2-Fluorobiphenyl
Concen: 16.955 ng
RT: 9.169 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

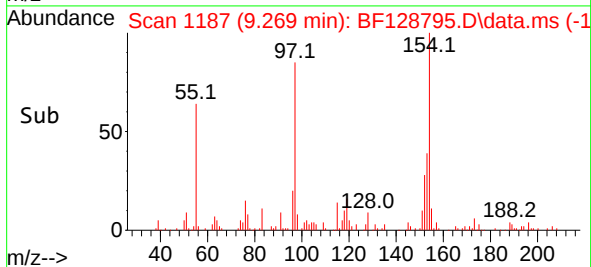
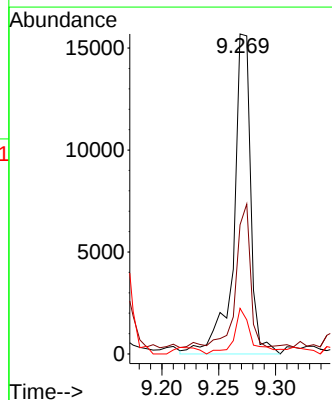
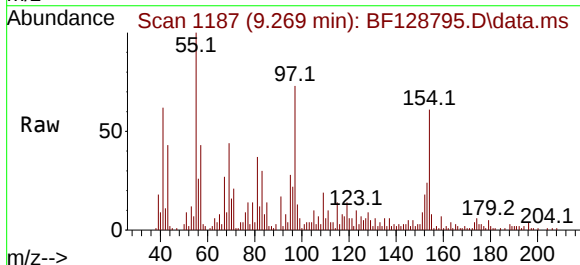
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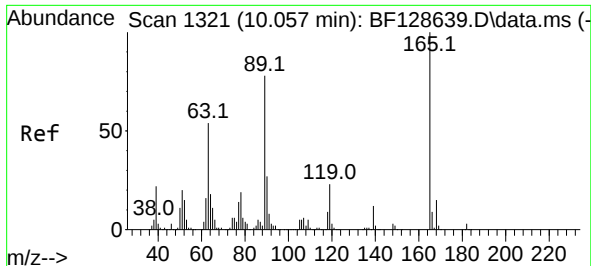
Tgt Ion:172 Resp: 125740
Ion Ratio Lower Upper
172 100
171 34.3 28.8 43.2
170 23.6 19.8 29.8



#46
1,1'-Biphenyl
Concen: 2.095 ng
RT: 9.269 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

Tgt Ion:154 Resp: 16332
Ion Ratio Lower Upper
154 100
153 40.4 20.6 60.6
76 14.3 0.0 33.3

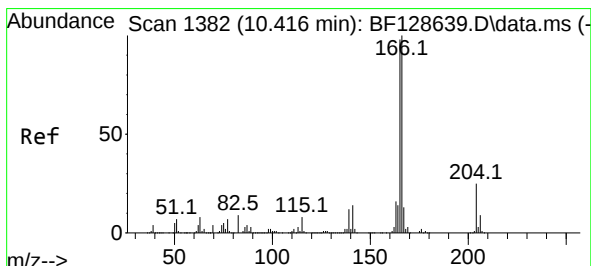
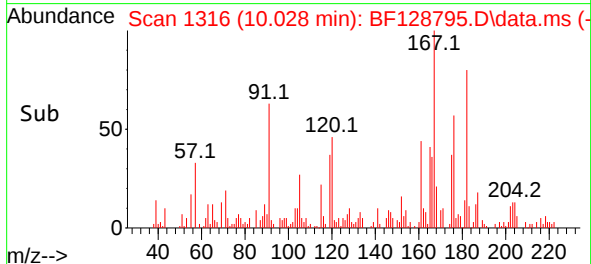
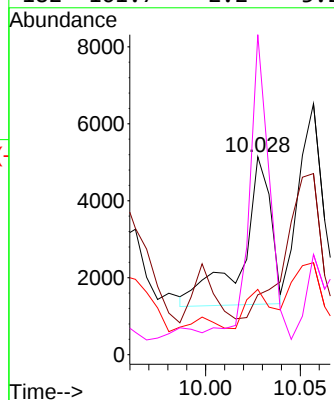
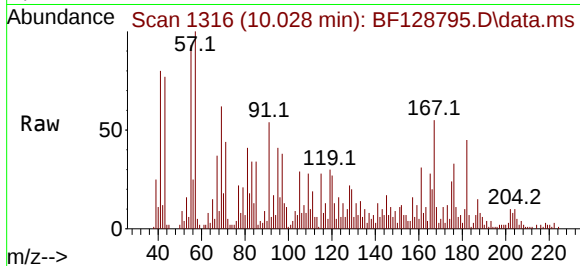




#57
2,4-Dinitrotoluene
Concen: 2.166 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

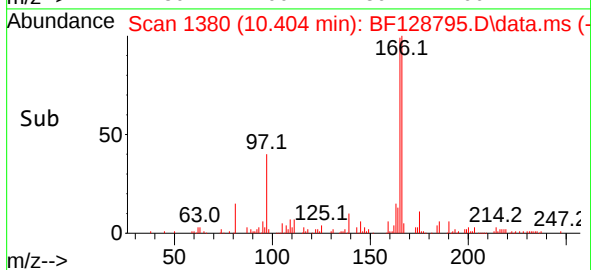
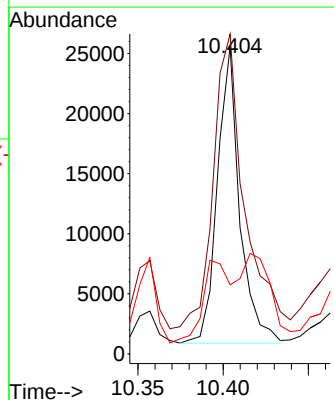
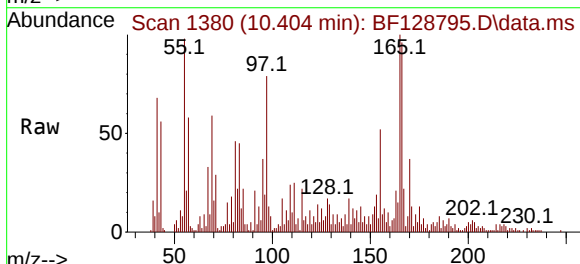
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-9-G

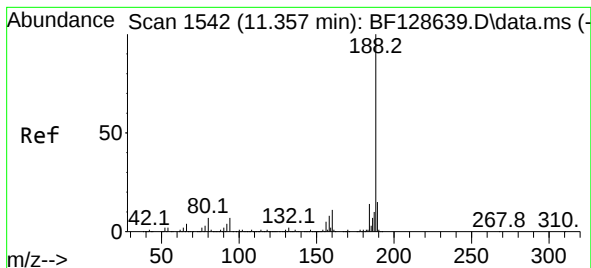
Tgt Ion:165 Resp: 4057
Ion Ratio Lower Upper
165 100
63 30.3 39.8 59.6#
89 33.0 60.2 90.2#
182 161.7 2.2 3.2#



#58
Fluorene
Concen: 3.391 ng
RT: 10.404 min Scan# 1380
Delta R.T. -0.000 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

Tgt Ion:166 Resp: 22412
Ion Ratio Lower Upper
166 100
165 104.0 78.1 117.1
167 22.5 10.5 15.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF128795.D

Acq: 13 Jun 2022 20:46

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-9-G

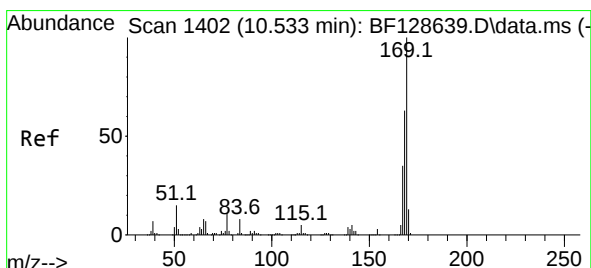
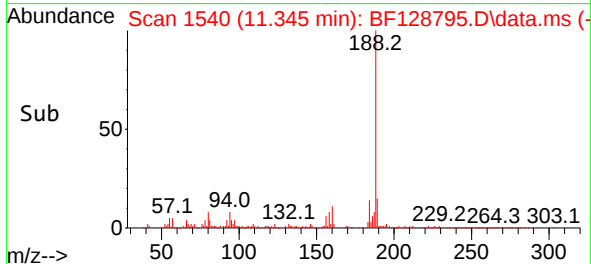
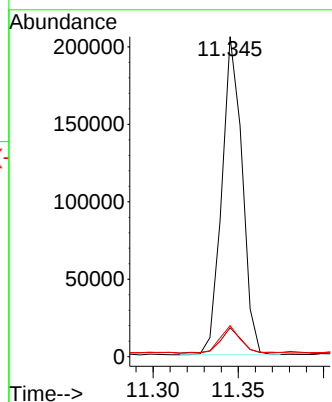
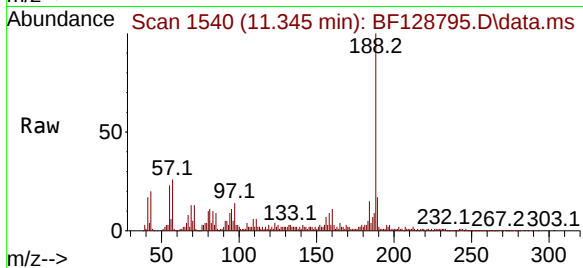
Tgt Ion:188 Resp: 170507

Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.6

80 9.7 7.6 11.4



#66

n-Nitrosodiphenylamine

Concen: 6.363 ng

RT: 10.516 min Scan# 1399

Delta R.T. -0.000 min

Lab File: BF128795.D

Acq: 13 Jun 2022 20:46

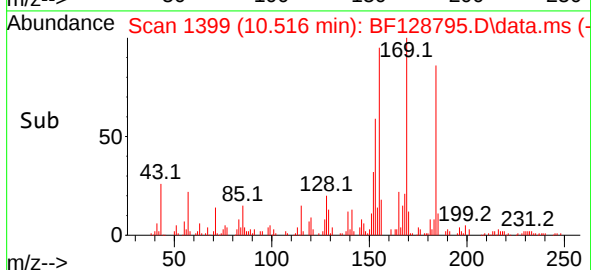
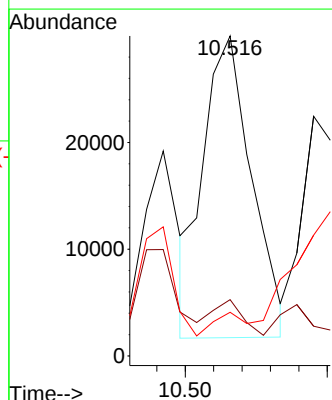
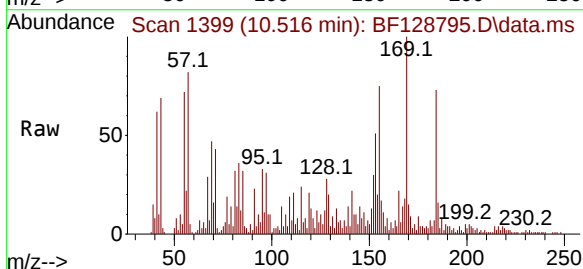
Tgt Ion:169 Resp: 33346

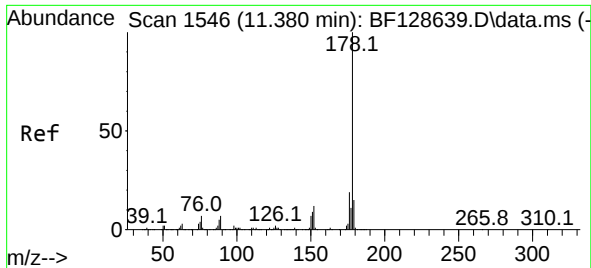
Ion Ratio Lower Upper

169 100

168 17.6 50.1 75.1#

167 13.6 27.9 41.9#

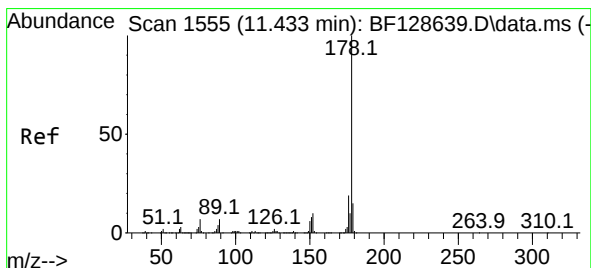
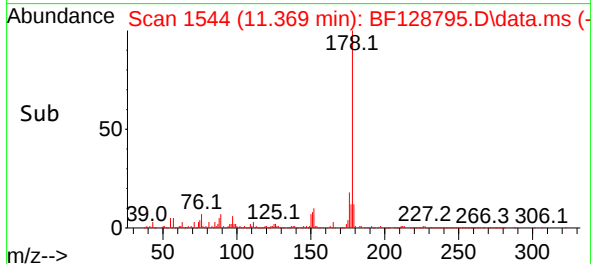
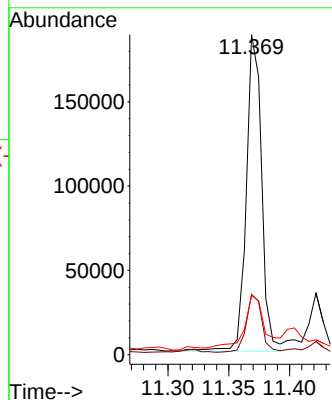
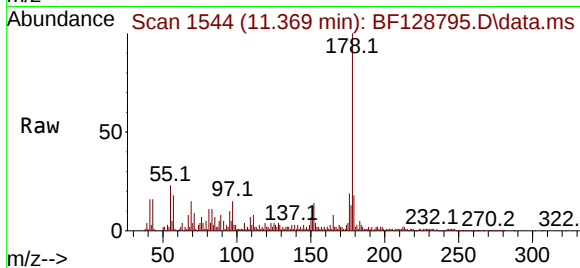




#71
Phenanthrene
Concen: 19.273 ng
RT: 11.369 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

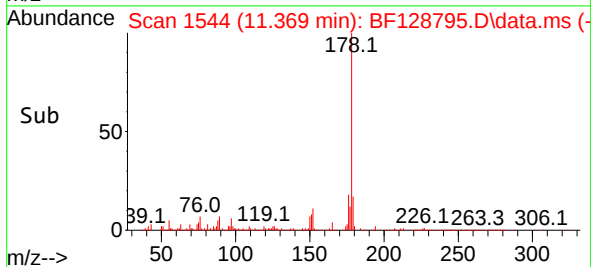
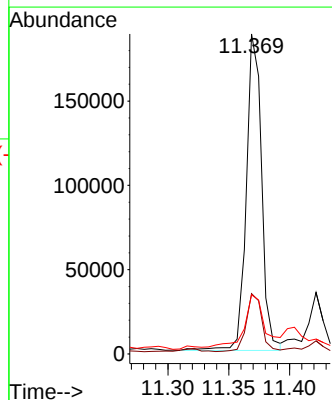
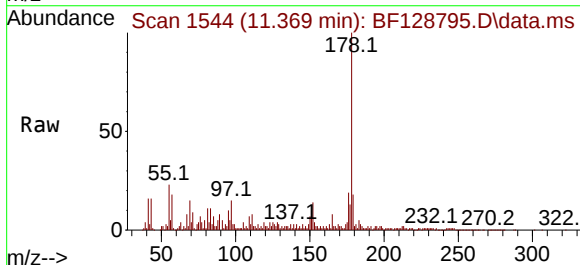
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-9-G

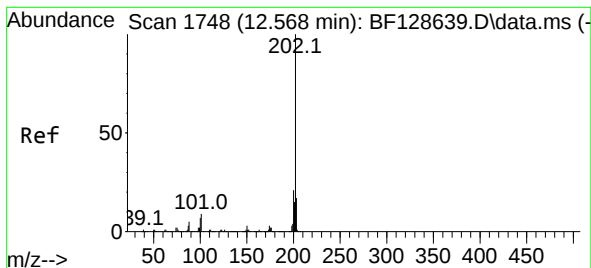
Tgt Ion:178 Resp: 164829
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 18.5 12.6 19.0



#72
Anthracene
Concen: 19.472 ng
RT: 11.369 min Scan# 1544
Delta R.T. -0.053 min
Lab File: BF128795.D
Acq: 13 Jun 2022 20:46

Tgt Ion:178 Resp: 164829
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 18.5 12.6 19.0





#75

Fluoranthene

Concen: 10.509 ng

RT: 12.810 min Scan# 1789

Delta R.T. 0.253 min

Lab File: BF128795.D

Acq: 13 Jun 2022 20:46

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-9-G

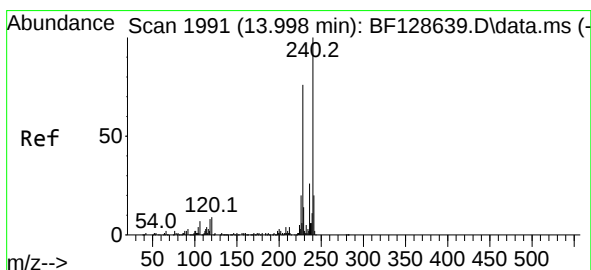
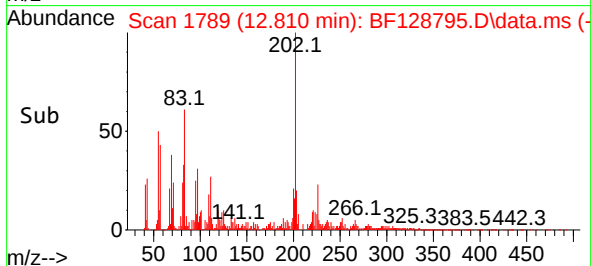
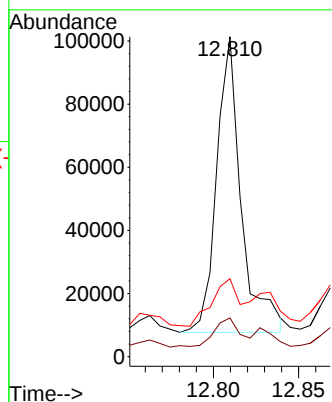
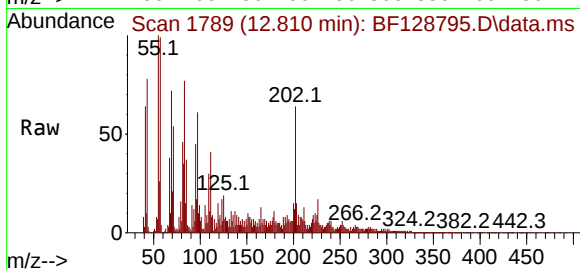
Tgt Ion:202 Resp: 93949

Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.4

203 24.3 0.0 38.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 1995

Delta R.T. 0.035 min

Lab File: BF128795.D

Acq: 13 Jun 2022 20:46

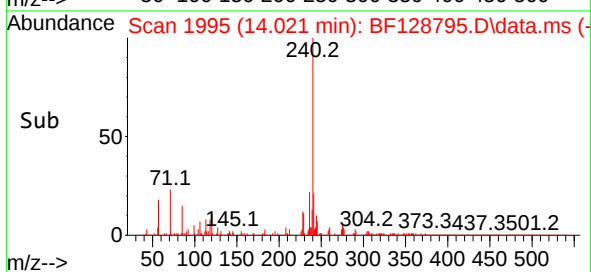
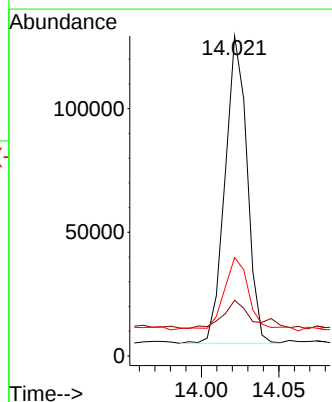
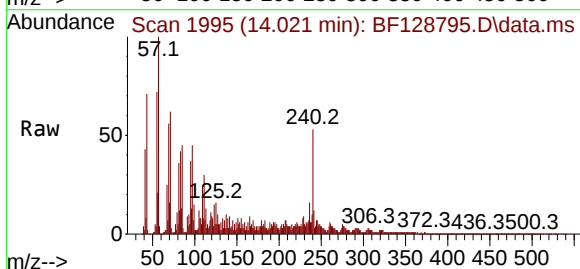
Tgt Ion:240 Resp: 122958

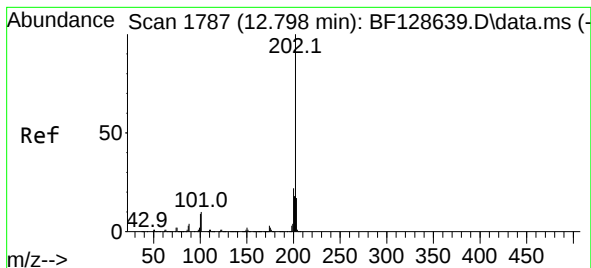
Ion Ratio Lower Upper

240 100

120 17.4 8.9 13.3#

236 30.8 20.8 31.2





#78

Pyrene

Concen: 10.516 ng

RT: 12.810 min Scan# 1

Delta R.T. 0.023 min

Lab File: BF128795.D

Acq: 13 Jun 2022 20:46

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-9-G

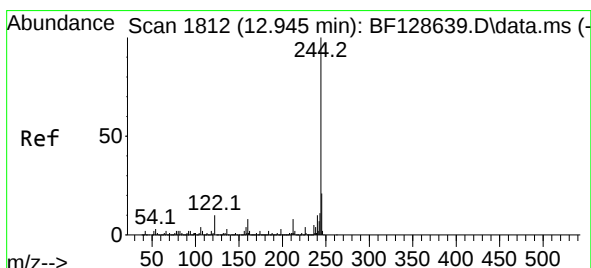
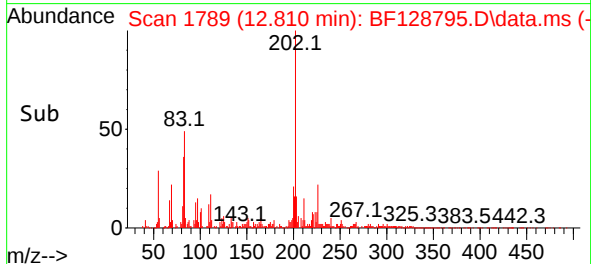
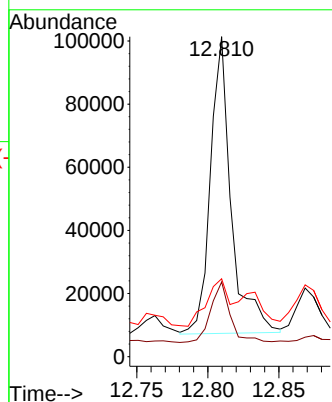
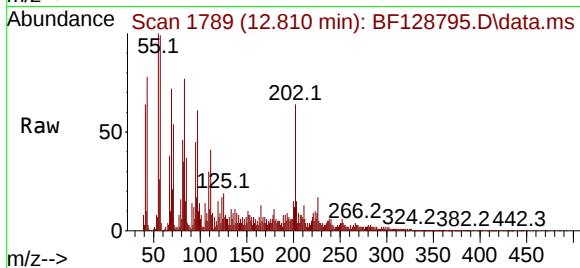
Tgt Ion:202 Resp: 96203

Ion Ratio Lower Upper

202 100

200 23.4 17.7 26.5

203 24.3 14.6 21.8#



#79

Terphenyl-d14

Concen: 17.162 ng

RT: 12.951 min Scan# 1813

Delta R.T. 0.017 min

Lab File: BF128795.D

Acq: 13 Jun 2022 20:46

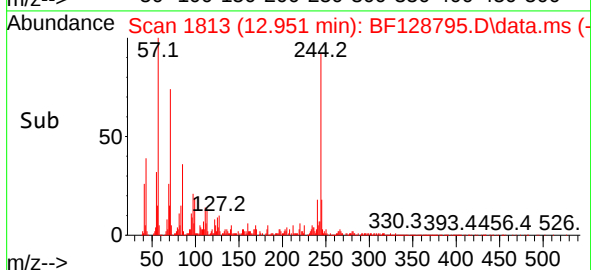
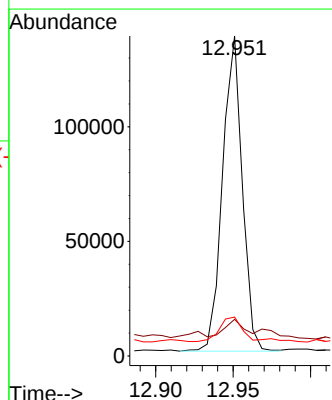
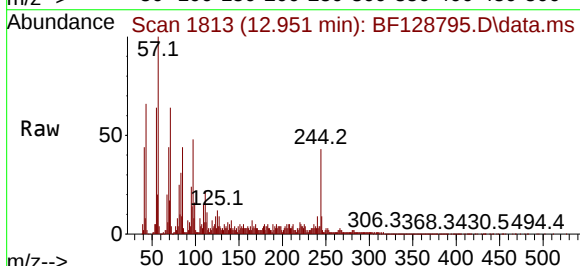
Tgt Ion:244 Resp: 121442

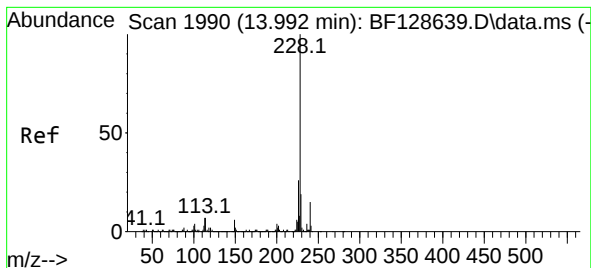
Ion Ratio Lower Upper

244 100

212 11.5 6.1 9.1#

122 12.2 8.8 13.2





#81

Benzo(a)anthracene

Concen: 5.061 ng

RT: 14.010 min Scan# 1993

Delta R.T. 0.035 min

Lab File: BF128795.D

Acq: 13 Jun 2022 20:46

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-9-G

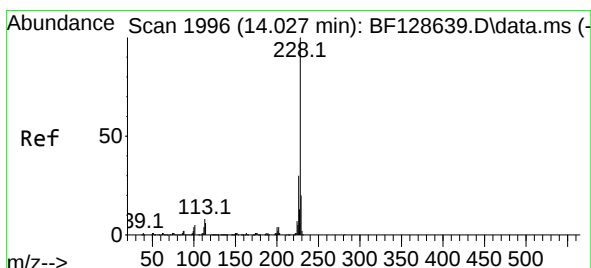
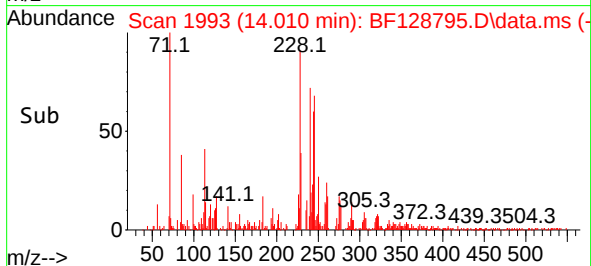
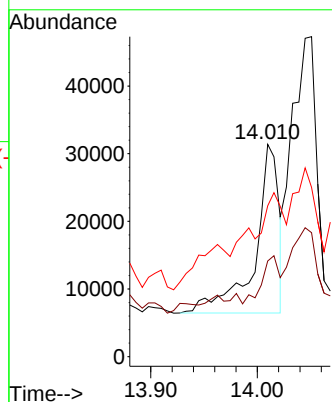
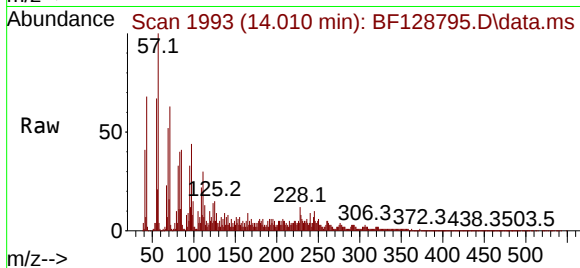
Tgt Ion:228 Resp: 38793

Ion Ratio Lower Upper

228 100

226 45.1 22.1 33.1#

229 71.1 15.8 23.8#



#83

Chrysene

Concen: 8.849 ng

RT: 14.051 min Scan# 2000

Delta R.T. 0.035 min

Lab File: BF128795.D

Acq: 13 Jun 2022 20:46

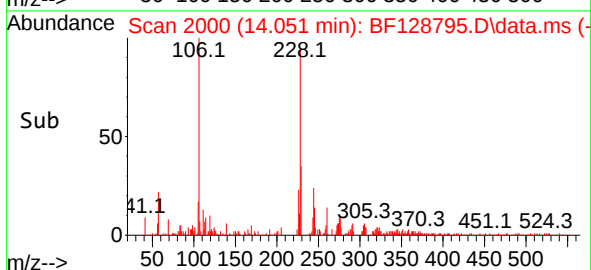
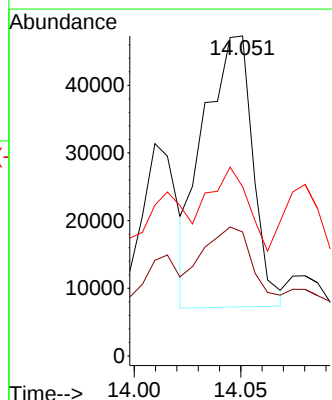
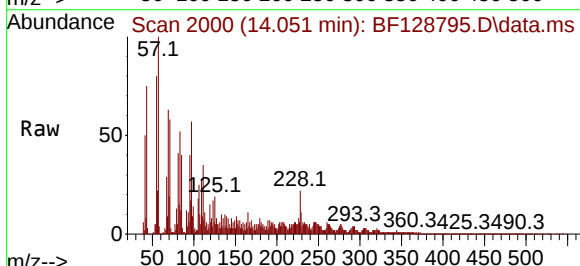
Tgt Ion:228 Resp: 64659

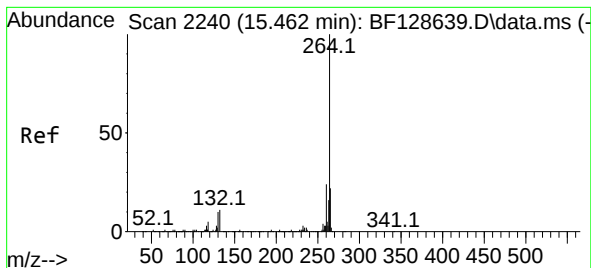
Ion Ratio Lower Upper

228 100

226 38.8 24.3 36.5#

229 52.9 15.9 23.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2174

Delta R.T. 0.059 min

Lab File: BF128795.D

Acq: 13 Jun 2022 20:46

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-9-G

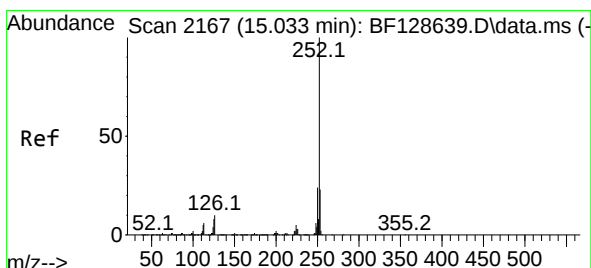
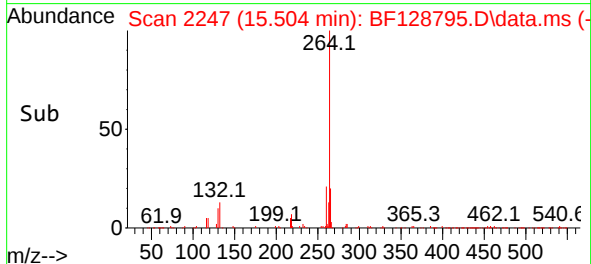
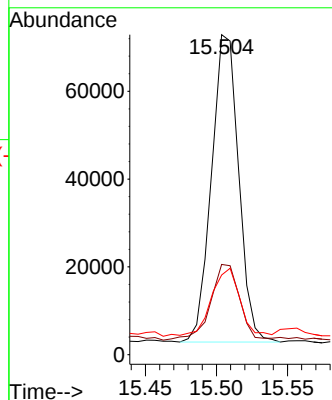
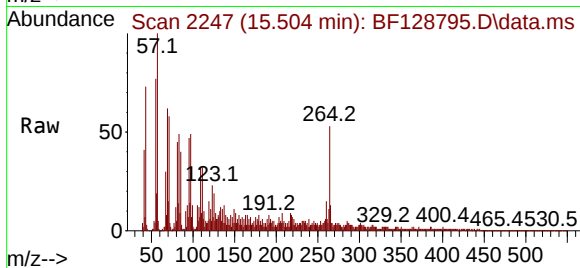
Tgt Ion:264 Resp: 93072

Ion Ratio Lower Upper

264 100

260 28.2 18.4 27.6#

265 24.9 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 3.155 ng

RT: 15.074 min Scan# 2174

Delta R.T. 0.053 min

Lab File: BF128795.D

Acq: 13 Jun 2022 20:46

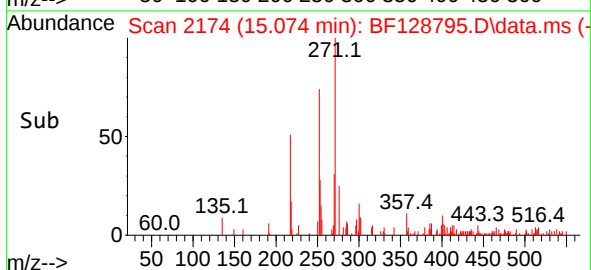
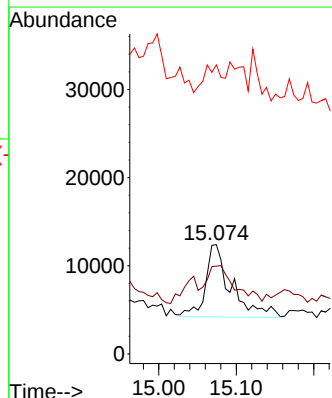
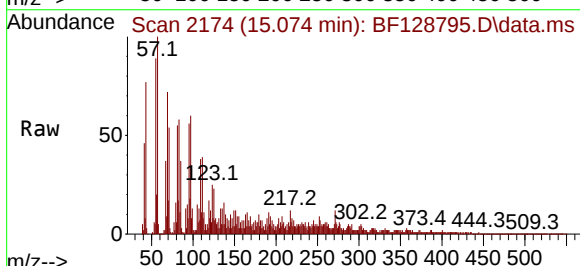
Tgt Ion:252 Resp: 18762

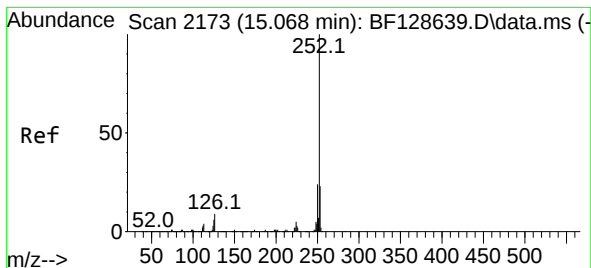
Ion Ratio Lower Upper

252 100

253 80.3 17.7 26.5#

125 264.6 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 3.352 ng

RT: 15.074 min Scan# 2174

Delta R.T. 0.023 min

Lab File: BF128795.D

Acq: 13 Jun 2022 20:46

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-9-G

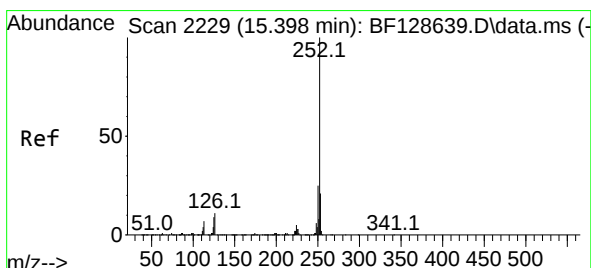
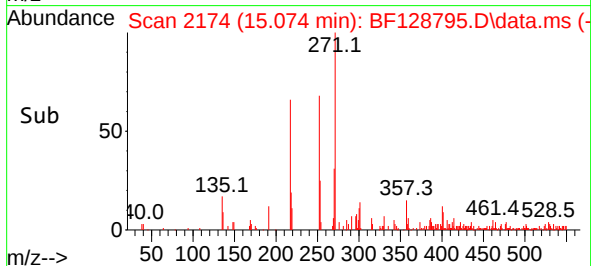
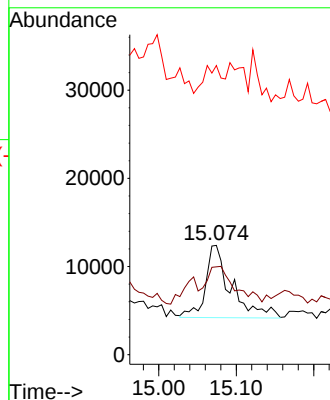
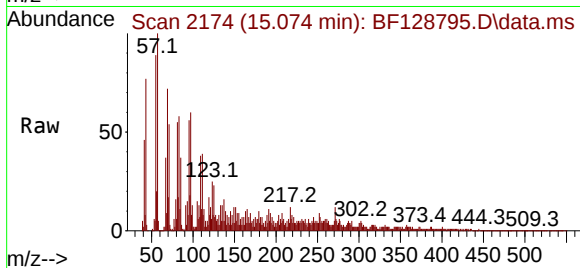
Tgt Ion:252 Resp: 18751

Ion Ratio Lower Upper

252 100

253 80.3 17.8 26.6#

125 264.6 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 2.666 ng

RT: 15.445 min Scan# 2237

Delta R.T. 0.059 min

Lab File: BF128795.D

Acq: 13 Jun 2022 20:46

Tgt Ion:252 Resp: 12460

Ion Ratio Lower Upper

252 100

253 65.8 17.0 25.6#

125 223.9 8.8 13.2#

