

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
 Data File : BF130922.D
 Acq On : 02 Nov 2022 02:56
 Operator : CG\JU
 Sample : N5392-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 02 08:28:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 02 08:18:35 2022
 Response via : Initial Calibration

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

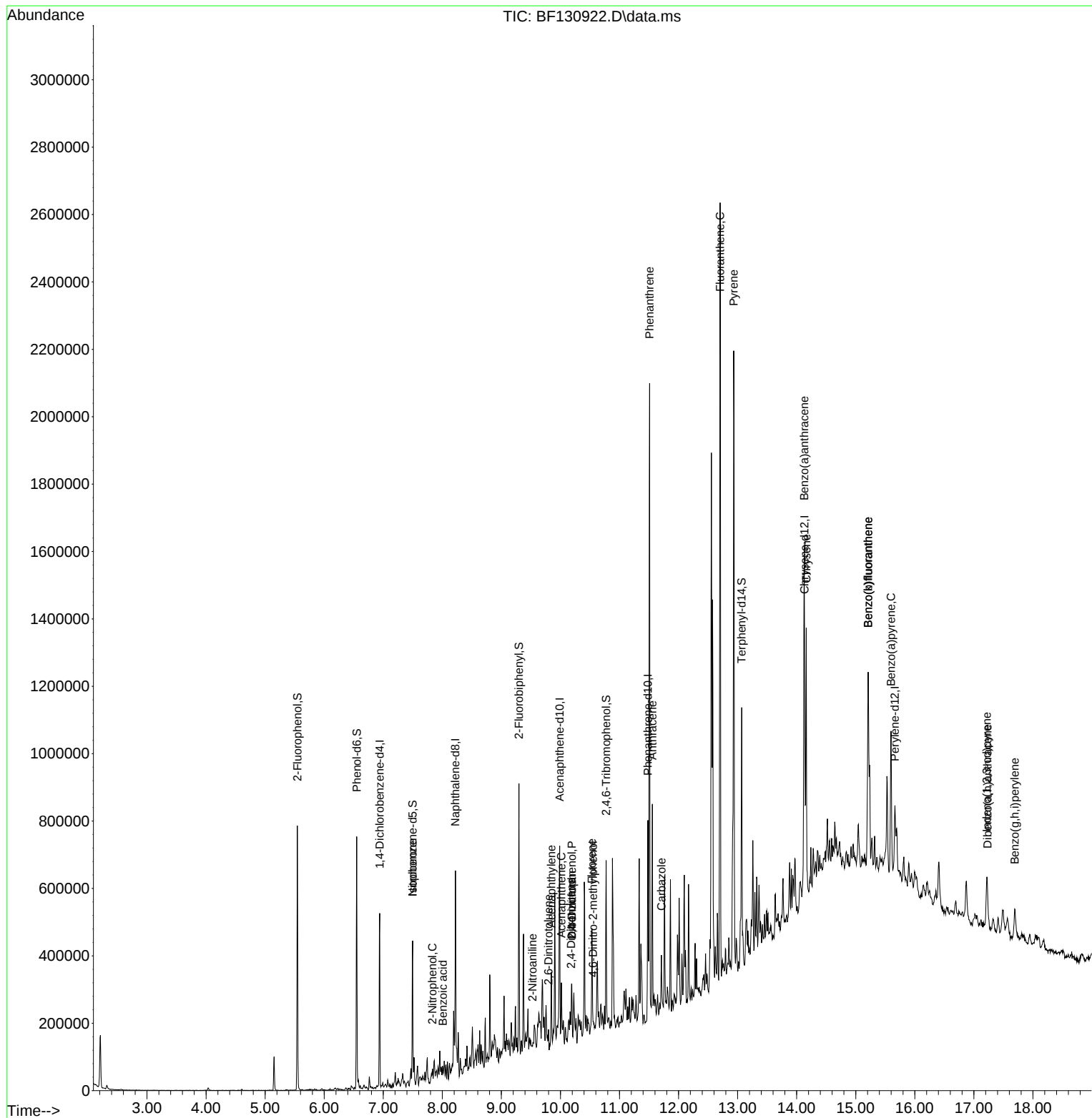
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	67756	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	214388	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	102442	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	202083	20.000	ng	0.00
76) Chrysene-d12	14.133	240	117619	20.000	ng	# 0.00
86) Perylene-d12	15.662	264	89954	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	170506	43.626	ng	0.00
7) Phenol-d6	6.551	99	195511	38.495	ng	0.00
23) Nitrobenzene-d5	7.498	82	114881	32.311	ng	0.00
42) 2,4,6-Tribromophenol	10.775	330	44263	51.328	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	203008	29.961	ng	0.00
79) Terphenyl-d14	13.069	244	217985	33.961	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.498	82	114597	15.630	ng	# 66
26) 2-Nitrophenol	7.834	139	298	4.259	ng	# 1
32) Benzoic acid	8.010	122	261	7.781	ng	# 1
48) 2-Nitroaniline	9.528	65	165	4.227	ng	# 36
49) Acenaphthylene	9.845	152	57267	6.192	ng	99
51) 2,6-Dinitrotoluene	9.798	165	506	3.145	ng	# 65
52) Acenaphthene	10.016	154	24847	4.345	ng	99
54) 2,4-Dinitrophenol	10.192	184	64	4.301	ng	# 1
55) Dibenzofuran	10.192	168	39672	4.786	ng	99
57) 2,4-Dinitrotoluene	10.180	165	794	4.142	ng	# 59
58) Fluorene	10.533	166	70828	10.852	ng	96
65) 4,6-Dinitro-2-methylph...	10.551	198	55	7.983	ng	# 1
71) Phenanthrene	11.510	178	670245	64.260	ng	100
72) Anthracene	11.557	178	209686	20.382	ng	98
73) Carbazole	11.710	167	40709	4.419	ng	99
75) Fluoranthene	12.704	202	969876	87.518	ng	99
78) Pyrene	12.933	202	731636	73.729	ng	99
81) Benzo(a)anthracene	14.127	228	350716	44.974	ng	93
83) Chrysene	14.163	228	298737	39.715	ng	98
87) Indeno(1,2,3-cd)pyrene	17.221	276	116995	19.585	ng	# 92
88) Benzo(b)fluoranthene	15.210	252	433774	74.597	ng	# 96
89) Benzo(k)fluoranthene	15.210	252	433774	76.555	ng	97
90) Benzo(a)pyrene	15.598	252	212673	45.497	ng	95
91) Dibenzo(a,h)anthracene	17.233	278	29957	6.152	ng	# 83
92) Benzo(g,h,i)perylene	17.692	276	98277	19.782	ng	96

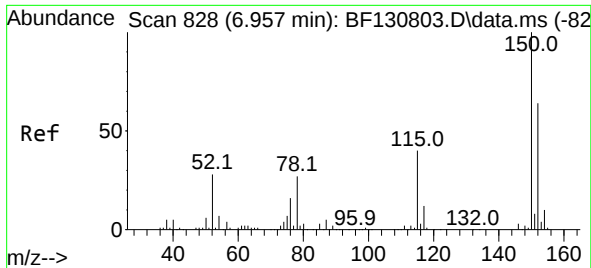
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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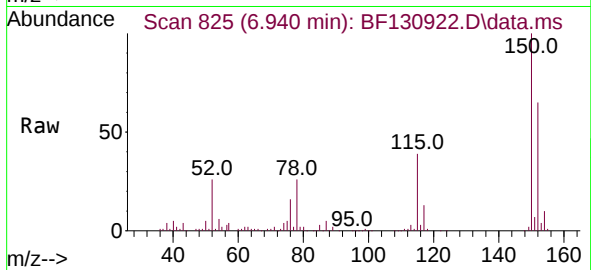
Quant Time: Nov 02 08:28:36 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
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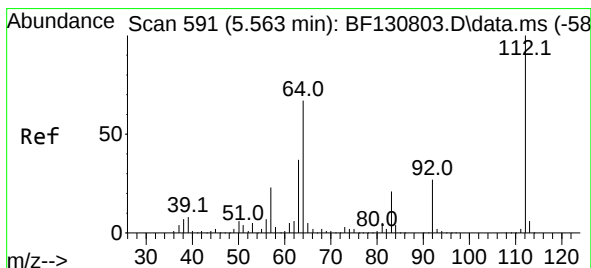
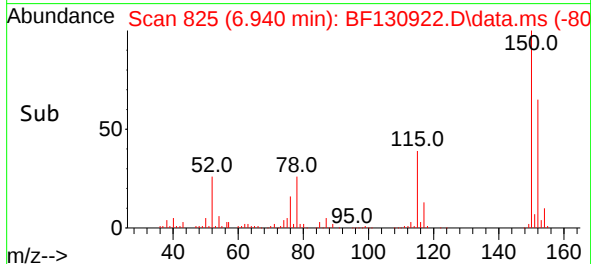
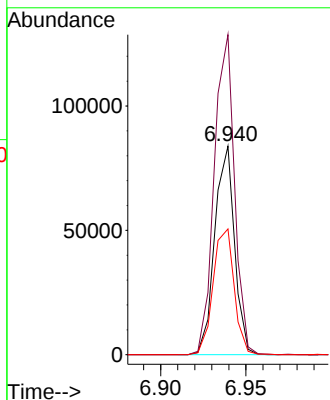


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.940 min Scan# 81
Delta R.T. 0.001 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

Instrument :
BNA_F
ClientSampleId :

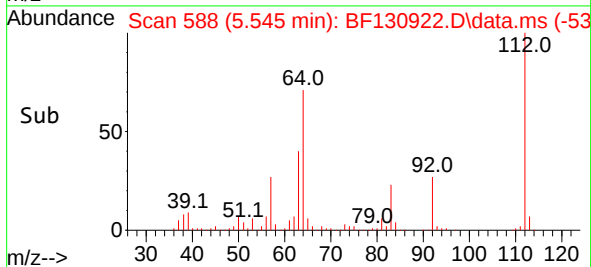
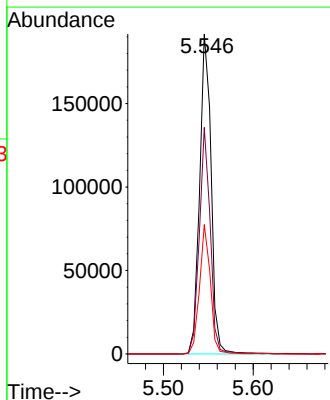
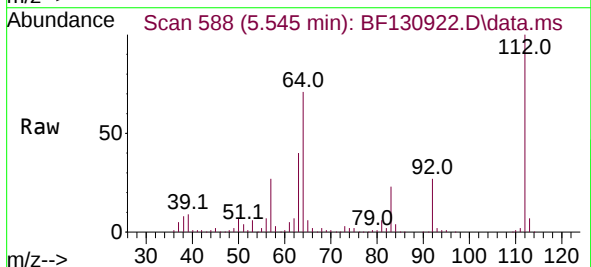


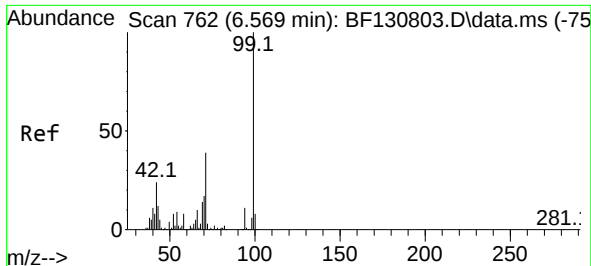
Tgt Ion:152 Resp: 67756
Ion Ratio Lower Upper
152 100
150 153.5 124.1 186.1
115 60.3 50.1 75.1



#5
2-Fluorophenol
Concen: 43.626 ng
RT: 5.545 min Scan# 588
Delta R.T. -0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

Tgt Ion:112 Resp: 170506
Ion Ratio Lower Upper
112 100
64 70.8 53.9 80.9
63 40.5 29.4 44.2





#7

Phenol-d6

Concen: 38.495 ng

RT: 6.551 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

Instrument :

BNA_F

ClientSampleId :

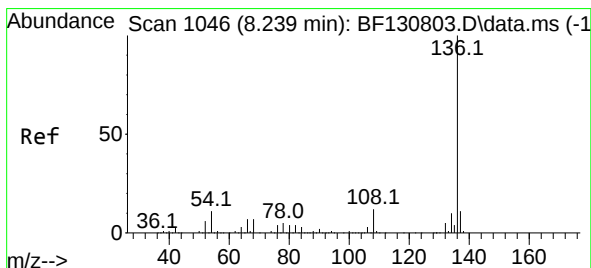
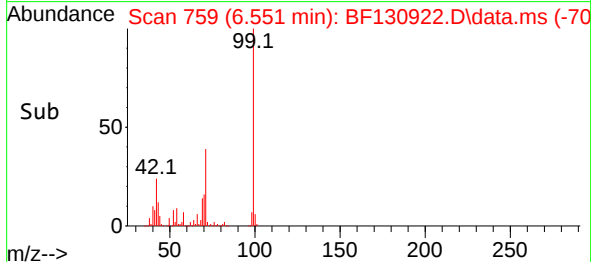
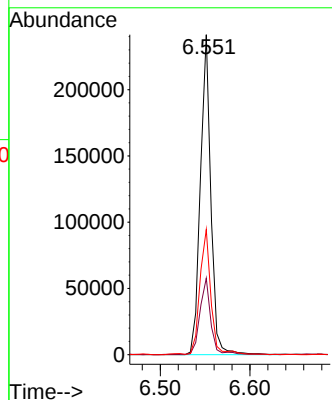
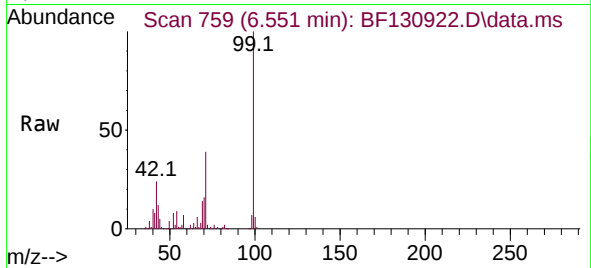
Tgt Ion: 99 Resp: 195511

Ion Ratio Lower Upper

99 100

42 23.9 18.8 28.2

71 39.1 31.4 47.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.222 min Scan# 1043

Delta R.T. 0.000 min

Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

Tgt Ion: 136 Resp: 214388

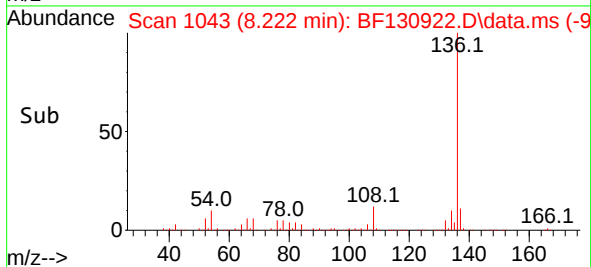
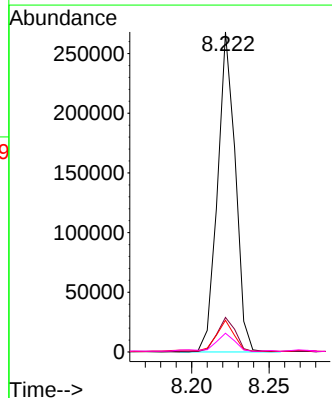
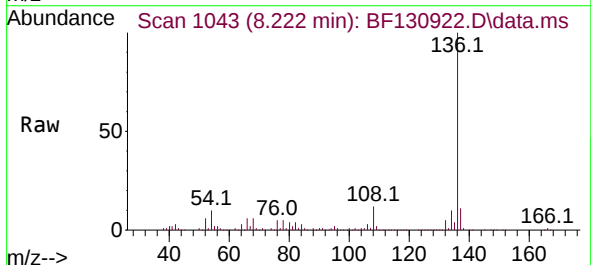
Ion Ratio Lower Upper

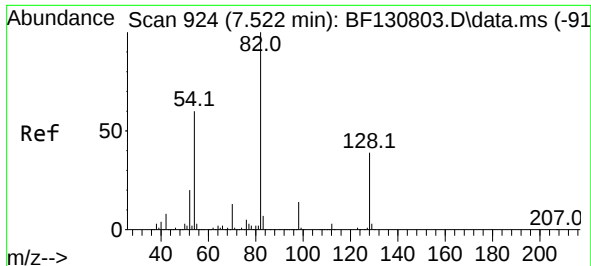
136 100

137 10.8 9.2 13.8

54 9.9 8.8 13.2

68 5.8 5.2 7.8

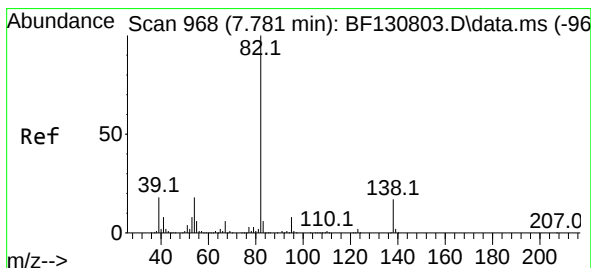
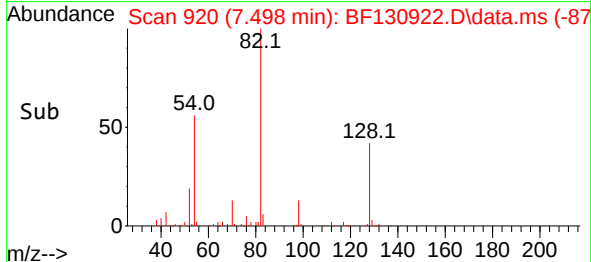
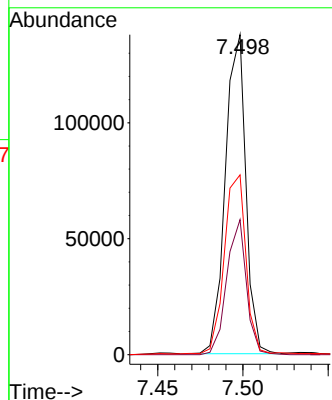
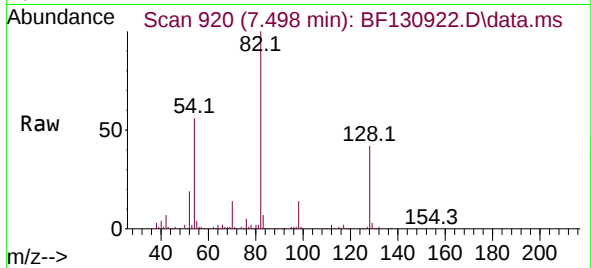




#23
Nitrobenzene-d5
Concen: 32.311 ng
RT: 7.498 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

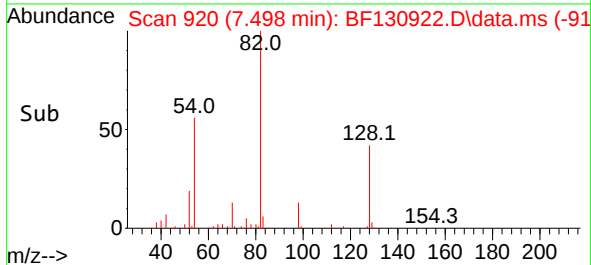
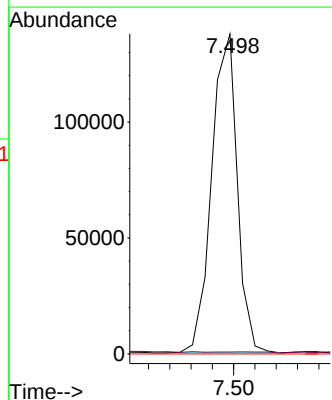
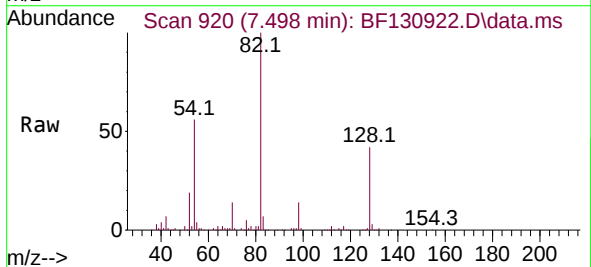
Instrument :
BNA_F
ClientSampleId :

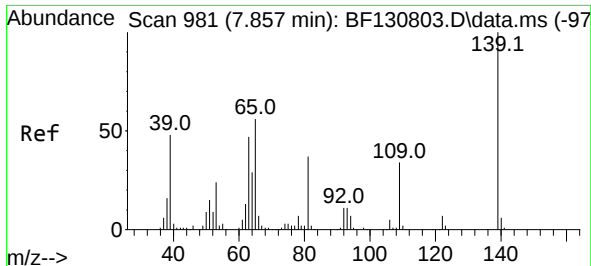
Tgt Ion: 82 Resp: 114881
Ion Ratio Lower Upper
82 100
128 42.2 31.2 46.8
54 56.2 48.0 72.0



#25
Isophorone
Concen: 15.630 ng
RT: 7.498 min Scan# 920
Delta R.T. -0.265 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

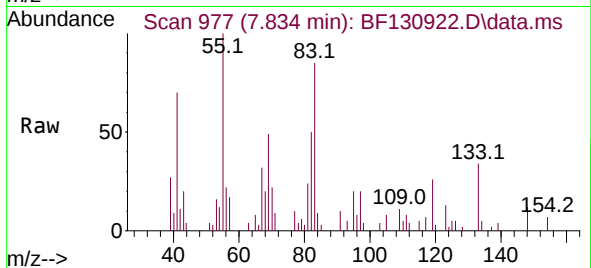
Tgt Ion: 82 Resp: 114597
Ion Ratio Lower Upper
82 100
95 0.6 6.2 9.4#
138 0.0 13.8 20.6#



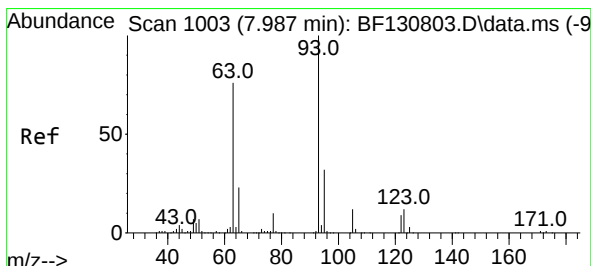
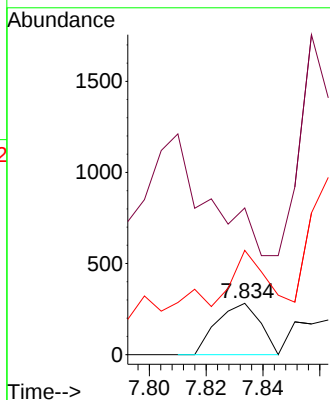
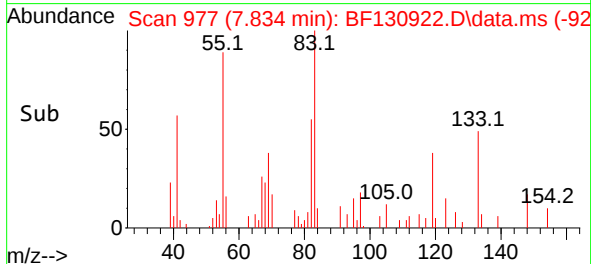


#26
2-Nitrophenol
Concen: 4.259 ng
RT: 7.834 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

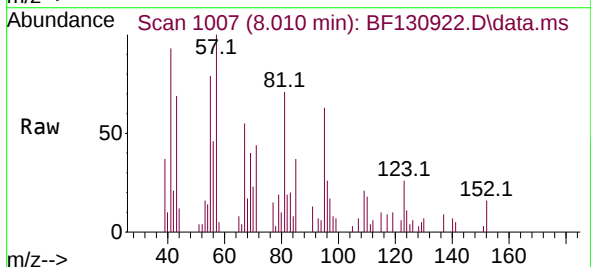
Instrument :
BNA_F
ClientSampleId :



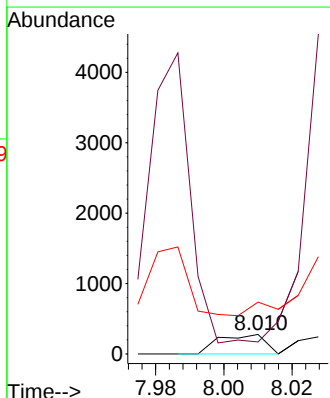
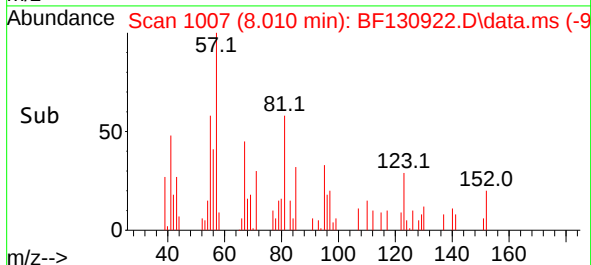
Tgt Ion:139 Resp: 298
Ion Ratio Lower Upper
139 100
109 285.5 27.3 40.9#
65 202.8 44.6 67.0#

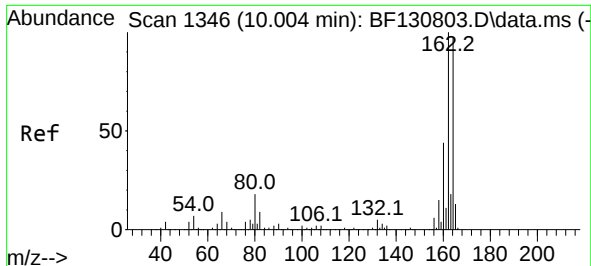


#32
Benzoic acid
Concen: 7.781 ng
RT: 8.010 min Scan# 1007
Delta R.T. 0.029 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56



Tgt Ion:122 Resp: 261
Ion Ratio Lower Upper
122 100
105 61.7 114.5 154.5#
77 266.1 89.8 129.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.986 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

Instrument :

BNA_F

ClientSampleId :

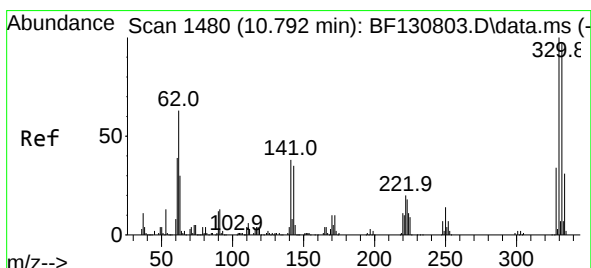
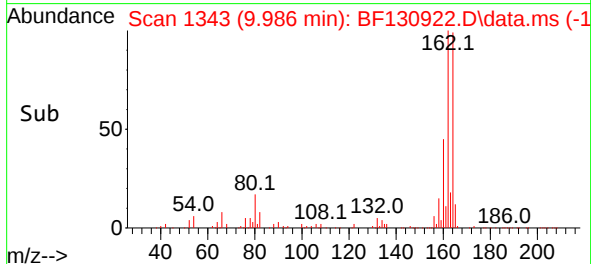
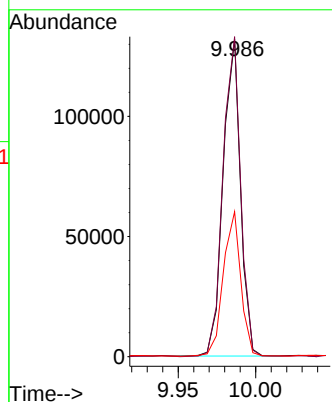
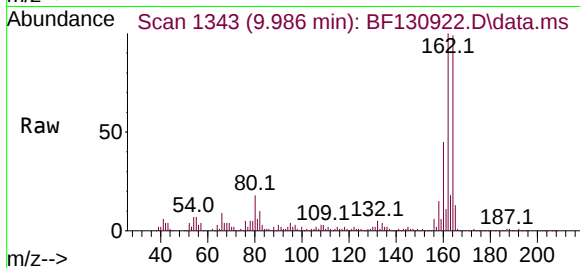
Tgt Ion:164 Resp: 102442

Ion Ratio Lower Upper

164 100

162 100.8 82.2 123.2

160 45.7 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 51.328 ng

RT: 10.775 min Scan# 1477

Delta R.T. -0.006 min

Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

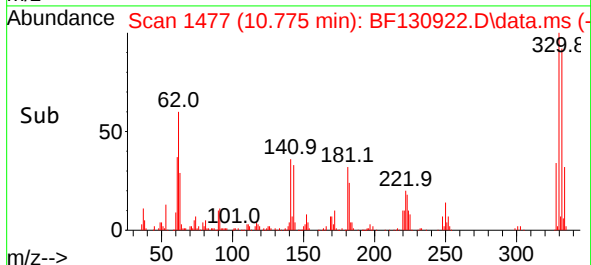
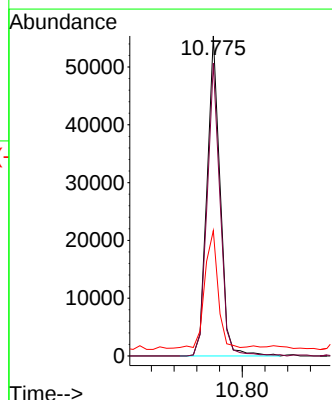
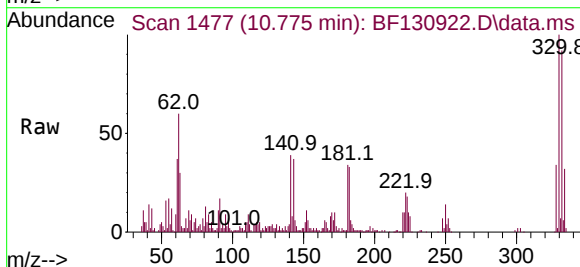
Tgt Ion:330 Resp: 44263

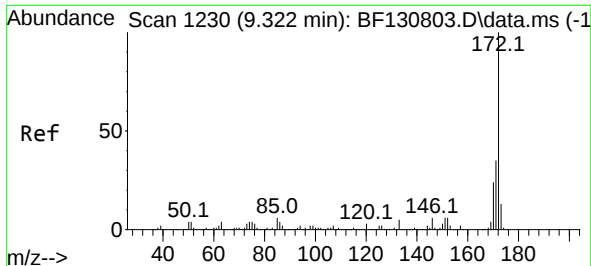
Ion Ratio Lower Upper

330 100

332 91.2 76.2 114.4

141 36.9 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 29.961 ng

RT: 9.298 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

Instrument :

BNA_F

ClientSampleId :

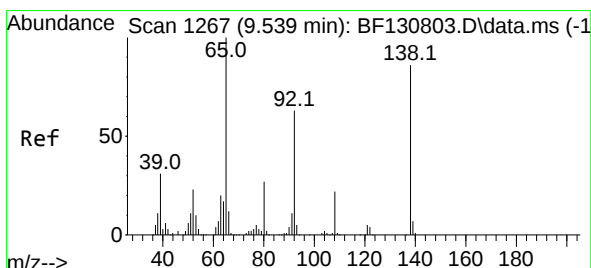
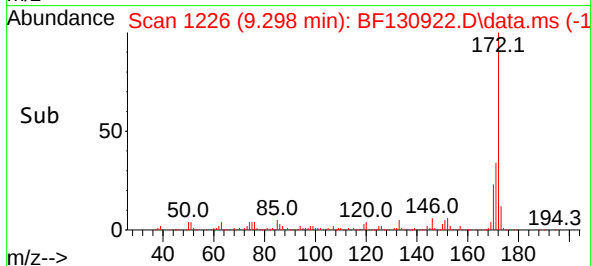
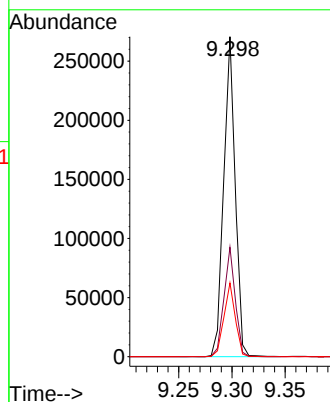
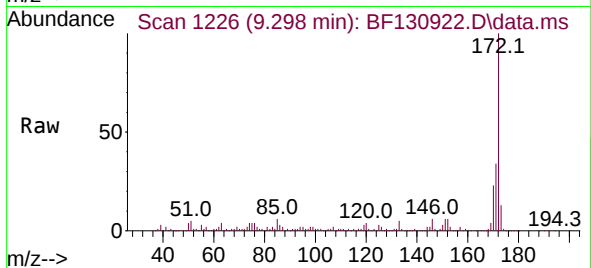
Tgt Ion:172 Resp: 203008

Ion Ratio Lower Upper

172 100

171 34.2 28.1 42.1

170 23.1 19.0 28.4



#48

2-Nitroaniline

Concen: 4.227 ng

RT: 9.528 min Scan# 1265

Delta R.T. 0.000 min

Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

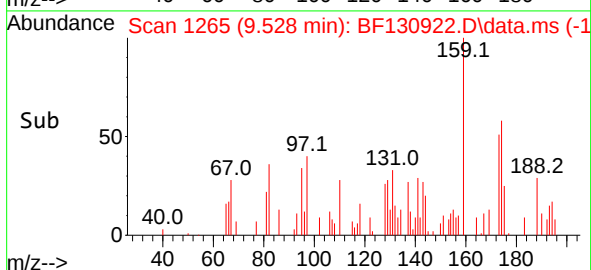
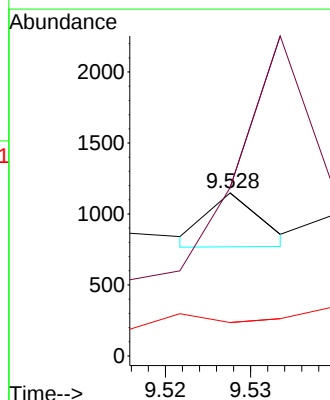
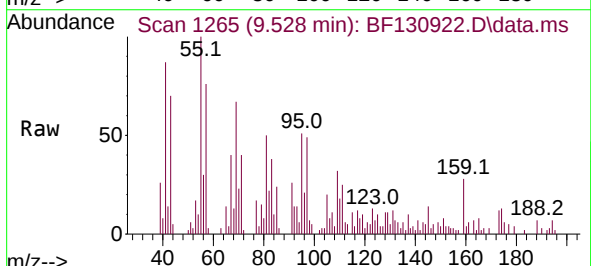
Tgt Ion: 65 Resp: 165

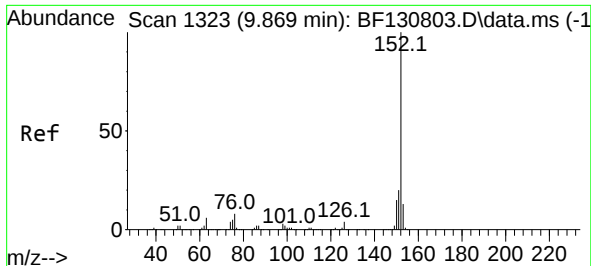
Ion Ratio Lower Upper

65 100

92 103.2 50.1 75.1#

138 20.5 69.2 103.8#





#49

Acenaphthylene

Concen: 6.192 ng

RT: 9.845 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

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ClientSampleId :

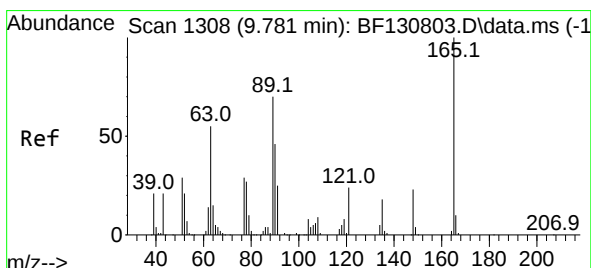
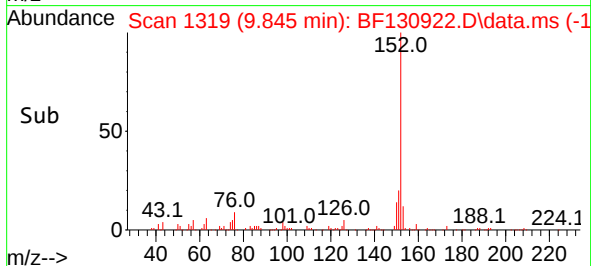
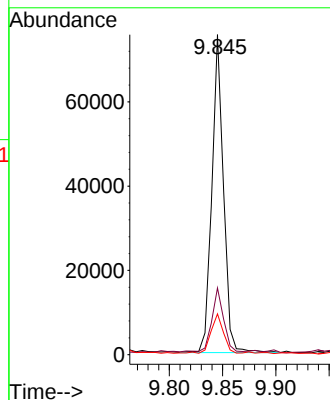
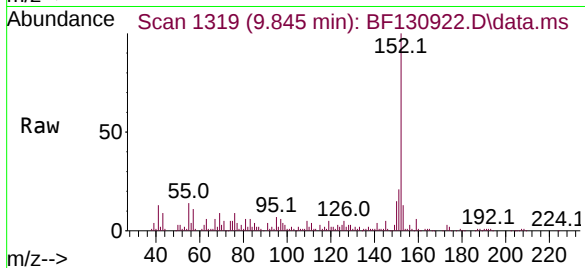
Tgt Ion:152 Resp: 57267

Ion Ratio Lower Upper

152 100

151 20.9 15.8 23.8

153 12.8 10.2 15.4



#51

2,6-Dinitrotoluene

Concen: 3.145 ng

RT: 9.798 min Scan# 1311

Delta R.T. 0.029 min

Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

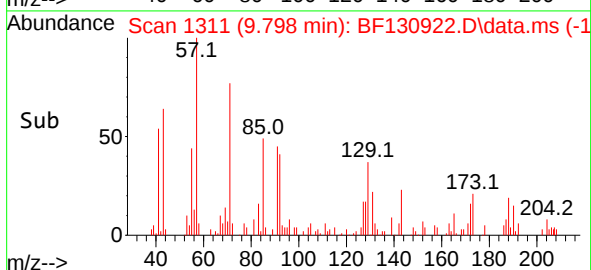
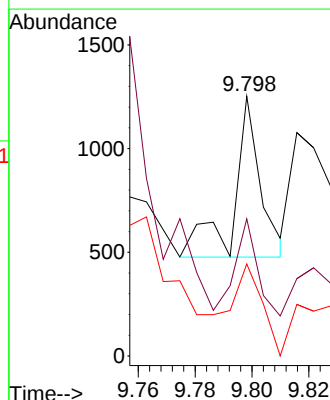
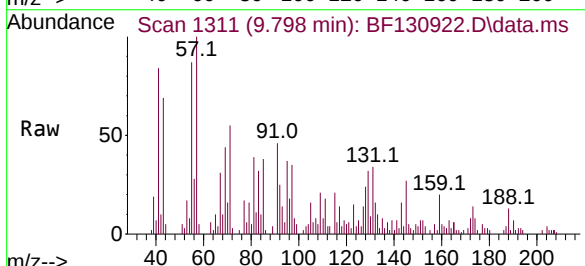
Tgt Ion:165 Resp: 506

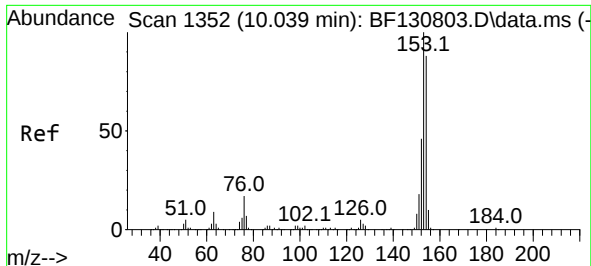
Ion Ratio Lower Upper

165 100

63 52.8 61.8 92.8#

89 35.5 56.2 84.4#

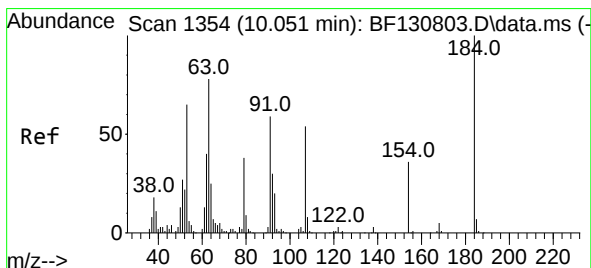
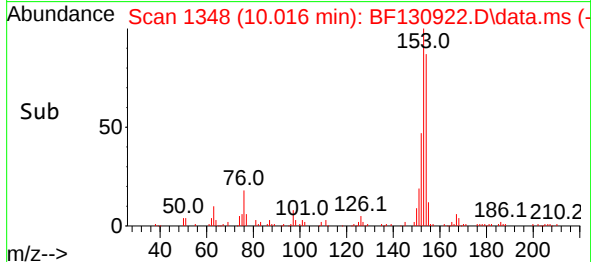
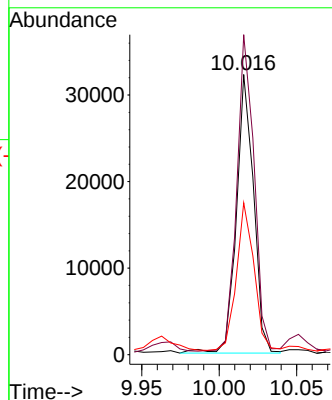
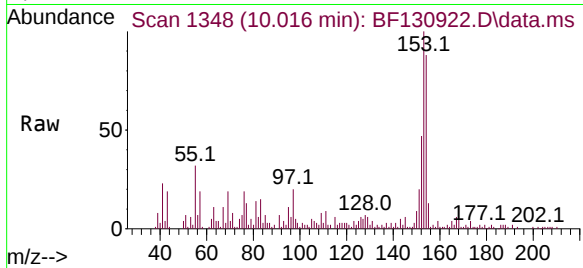




#52
Acenaphthene
Concen: 4.345 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

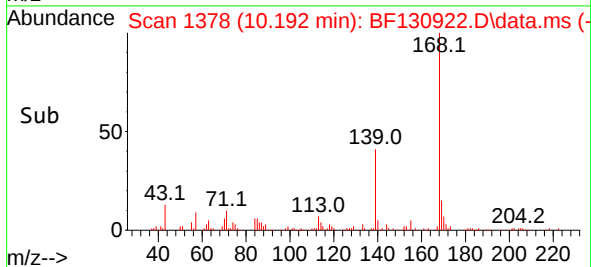
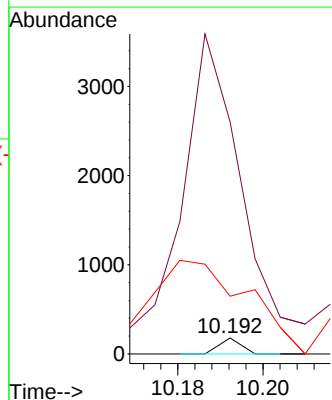
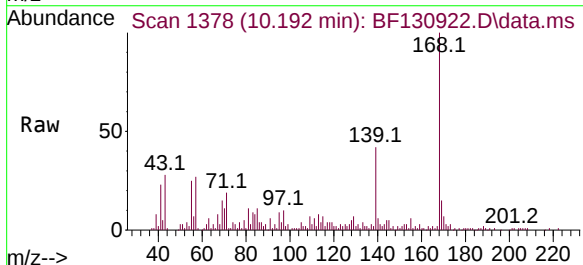
Instrument :
BNA_F
ClientSampleId :

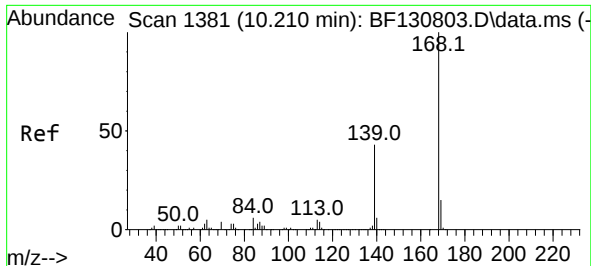
Tgt Ion:154 Resp: 24847
Ion Ratio Lower Upper
154 100
153 114.2 90.5 135.7
152 54.2 42.0 63.0



#54
2,4-Dinitrophenol
Concen: 4.301 ng
RT: 10.192 min Scan# 1378
Delta R.T. 0.147 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

Tgt Ion:184 Resp: 64
Ion Ratio Lower Upper
184 100
63 1445.6 66.7 100.1#
154 360.0 62.2 93.2#

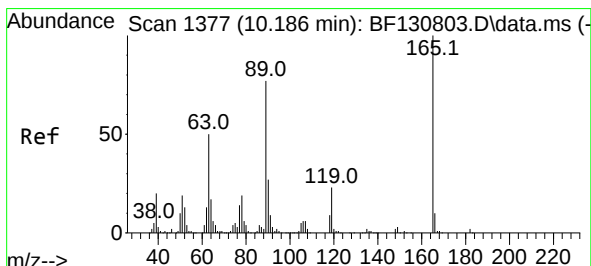
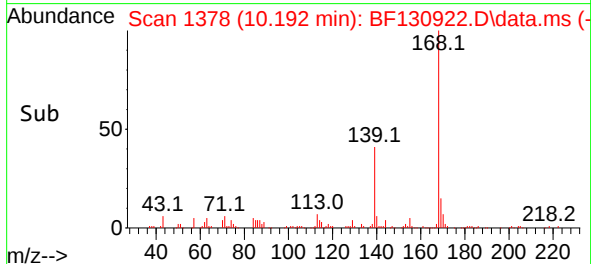
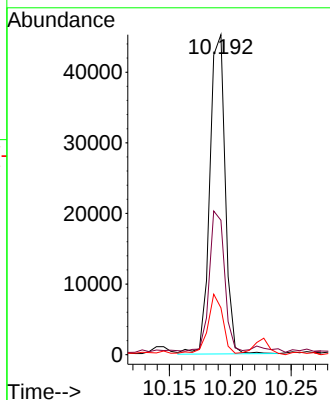
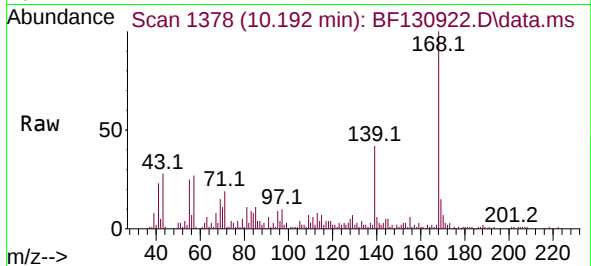




#55
Dibenzenofuran
Concen: 4.786 ng
RT: 10.192 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

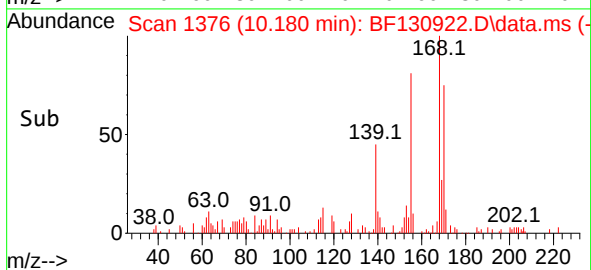
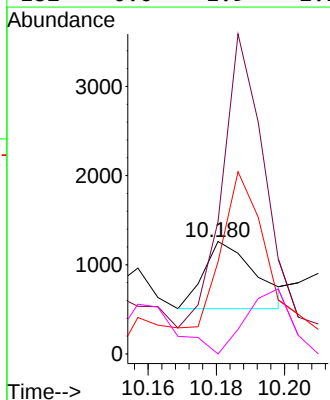
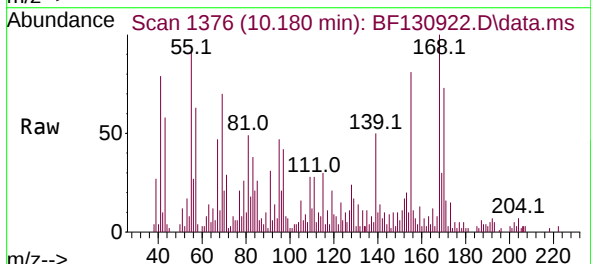
Instrument :
BNA_F
ClientSampleId :

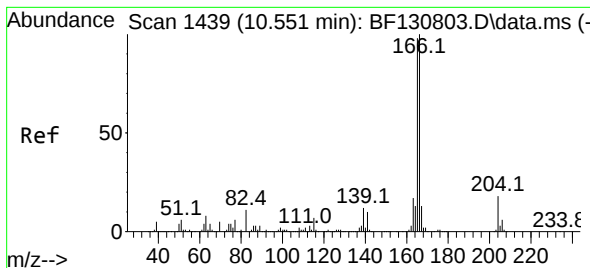
Tgt Ion:168 Resp: 39672
Ion Ratio Lower Upper
168 100
139 42.0 34.3 51.5
169 14.7 11.9 17.9



#57
2,4-Dinitrotoluene
Concen: 4.142 ng
RT: 10.180 min Scan# 1376
Delta R.T. 0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

Tgt Ion:165 Resp: 794
Ion Ratio Lower Upper
165 100
63 117.8 39.8 59.6#
89 81.8 61.9 92.9
182 0.0 1.9 2.9#

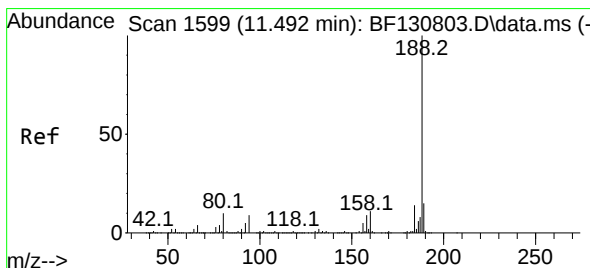
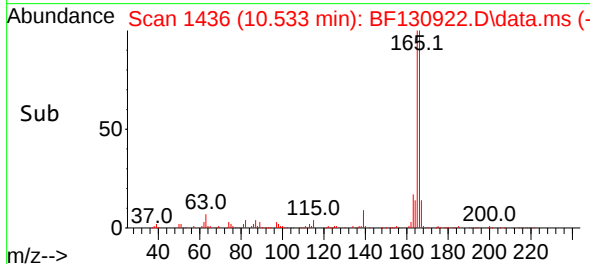
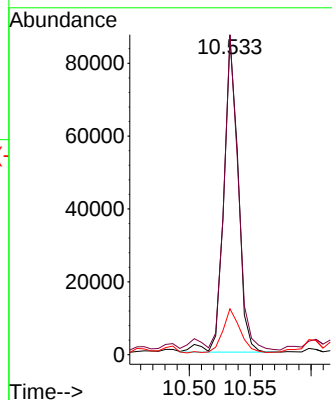
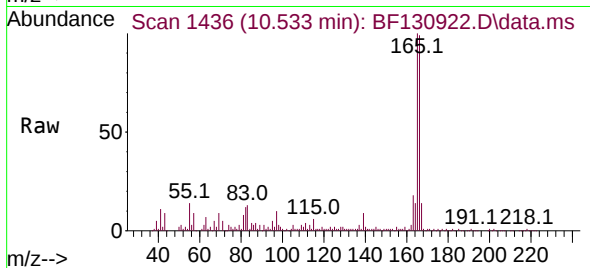




#58
Fluorene
Concen: 10.852 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

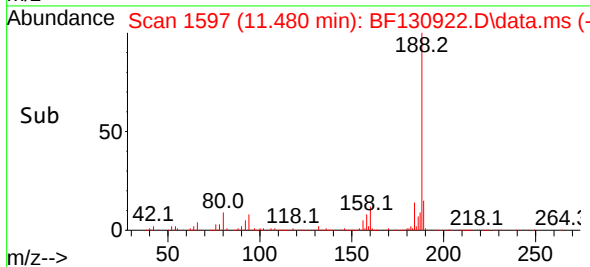
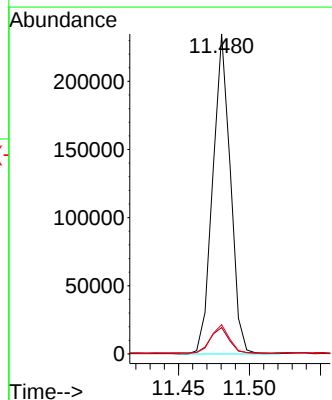
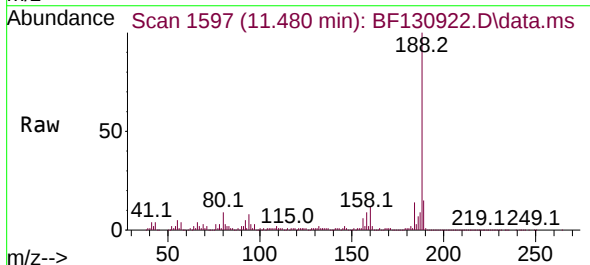
Instrument :
BNA_F
ClientSampleId :

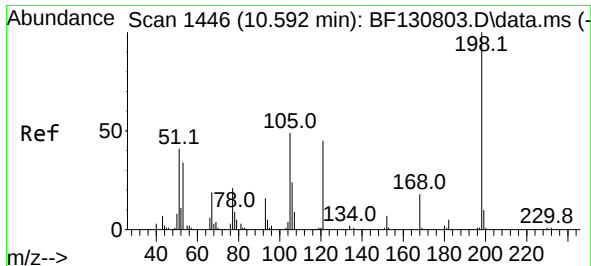
Tgt Ion:166 Resp: 70828
Ion Ratio Lower Upper
166 100
165 101.1 78.1 117.1
167 14.5 10.4 15.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

Tgt Ion:188 Resp: 202083
Ion Ratio Lower Upper
188 100
94 8.3 7.4 11.2
80 9.2 8.0 12.0

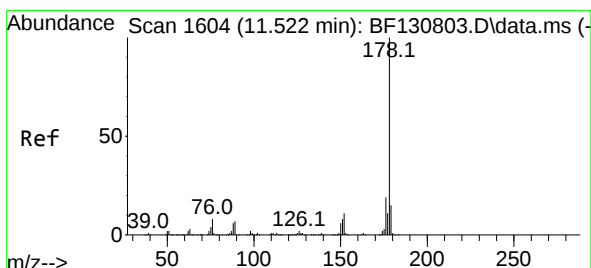
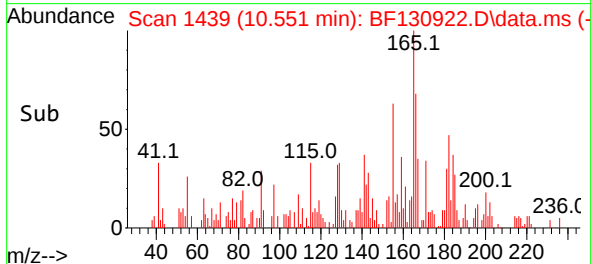
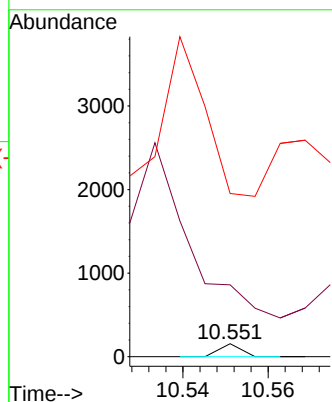
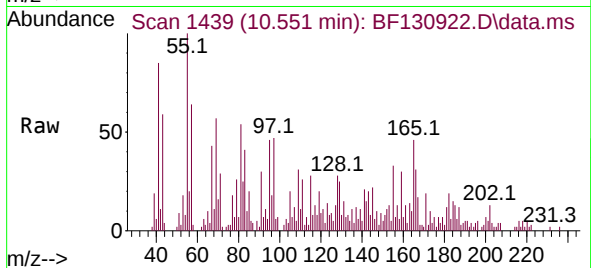




#65
4,6-Dinitro-2-methylphenol
Concen: 7.983 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.029 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

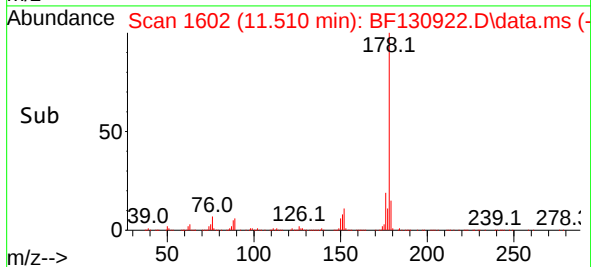
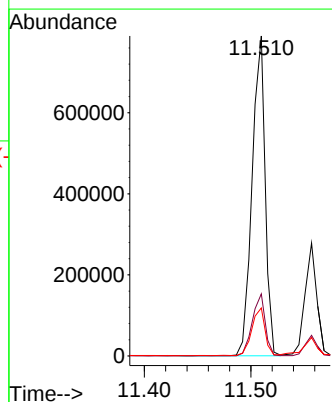
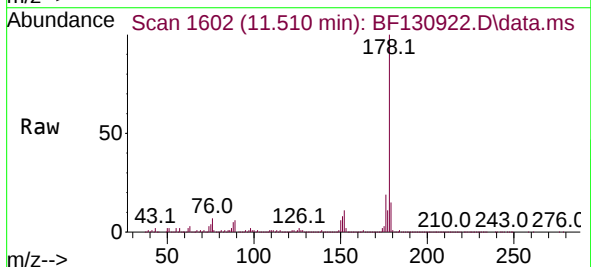
Instrument :
BNA_F
ClientSampleId :

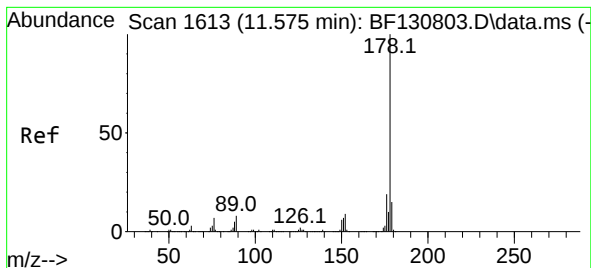
Tgt Ion:198 Resp: 55
Ion Ratio Lower Upper
198 100
51 554.2 39.0 79.0#
105 1260.0 30.6 70.6#



#71
Phenanthrene
Concen: 64.260 ng
RT: 11.510 min Scan# 1602
Delta R.T. 0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

Tgt Ion:178 Resp: 670245
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.0 12.2 18.2





#72

Anthracene

Concen: 20.382 ng

RT: 11.557 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

Instrument :

BNA_F

ClientSampleId :

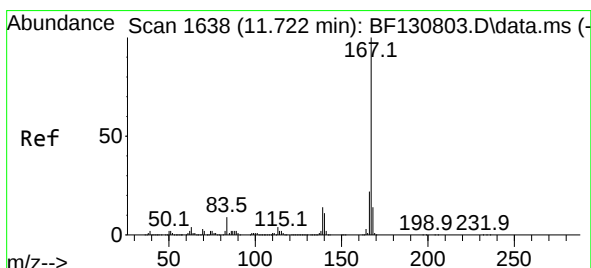
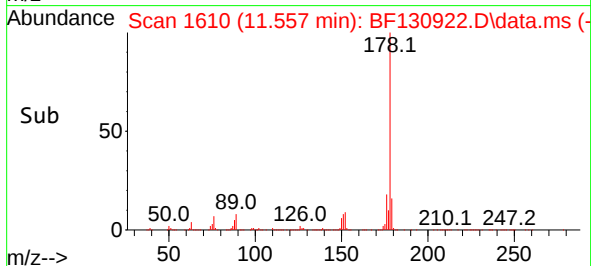
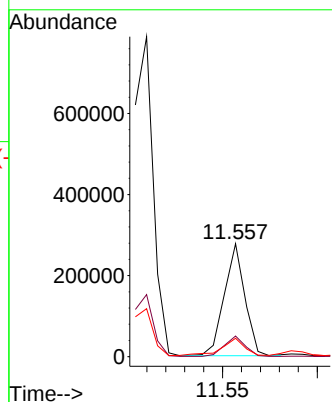
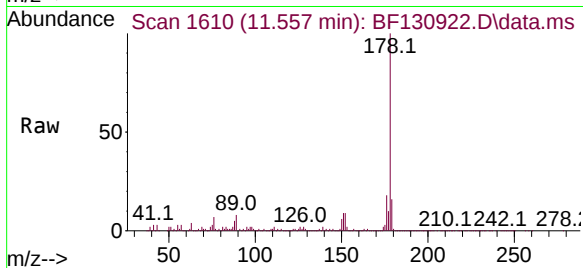
Tgt Ion:178 Resp: 209686

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

179 16.4 12.2 18.4



#73

Carbazole

Concen: 4.419 ng

RT: 11.710 min Scan# 1636

Delta R.T. 0.000 min

Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

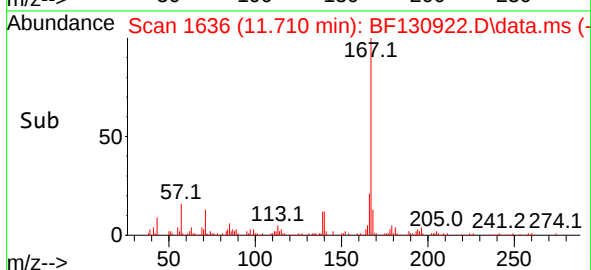
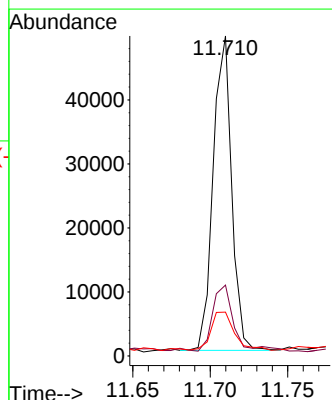
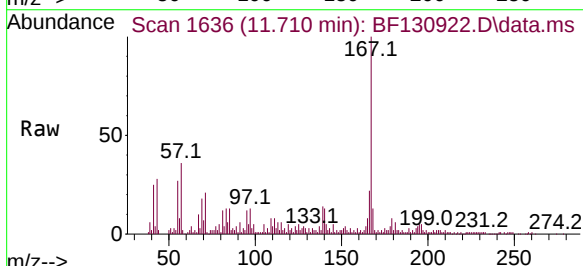
Tgt Ion:167 Resp: 40709

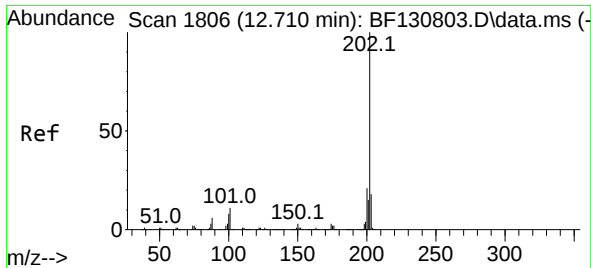
Ion Ratio Lower Upper

167 100

166 22.2 17.4 26.0

139 13.7 11.3 16.9

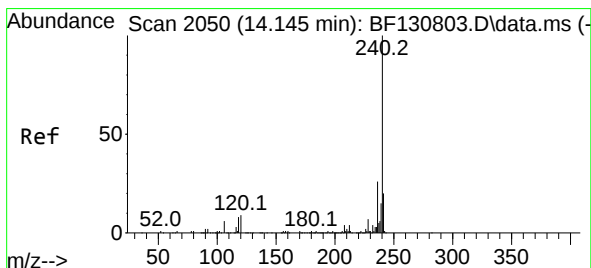
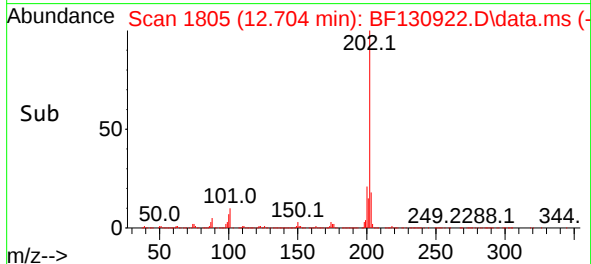
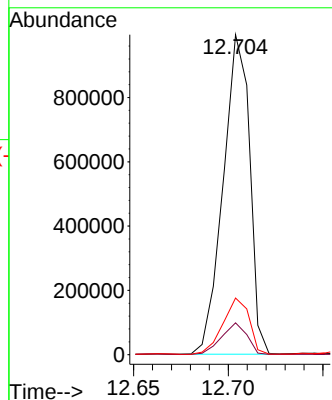
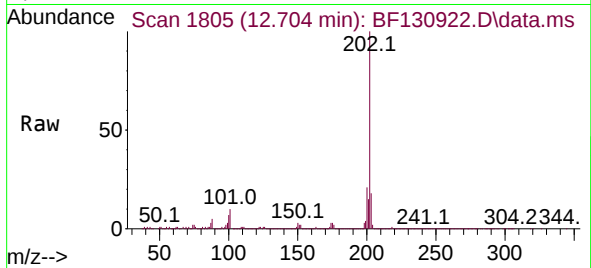




#75
Fluoranthene
Concen: 87.518 ng
RT: 12.704 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

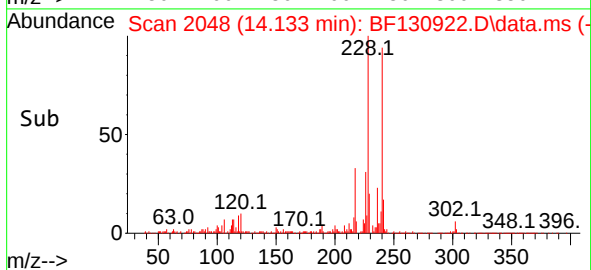
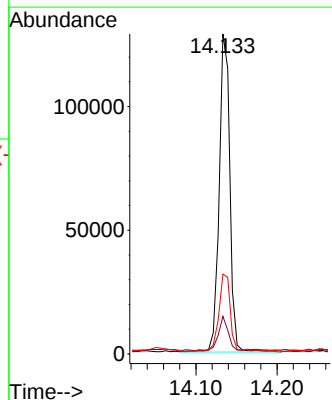
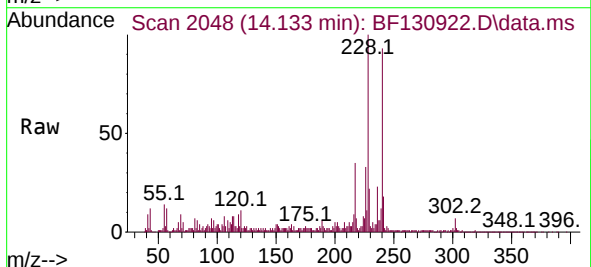
Instrument :
BNA_F
ClientSampleId :

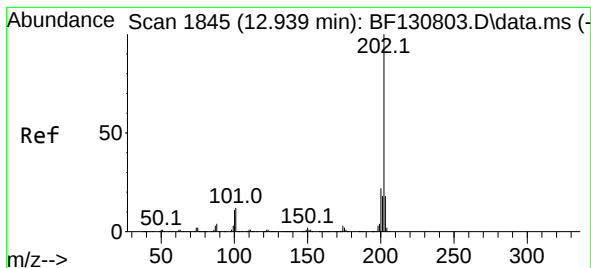
Tgt Ion:202 Resp: 969876
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.9
203 17.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2048
Delta R.T. 0.006 min
Lab File: BF130922.D
Acq: 02 Nov 2022 02:56

Tgt Ion:240 Resp: 117619
Ion Ratio Lower Upper
240 100
120 11.8 7.0 10.4#
236 25.0 20.5 30.7





#78

Pyrene

Concen: 73.729 ng

RT: 12.933 min Scan# 1844

Delta R.T. 0.006 min

Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

Instrument :

BNA_F

ClientSampleId :

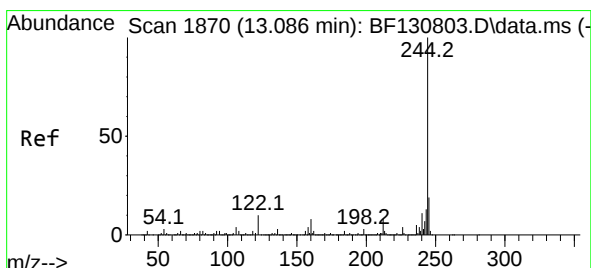
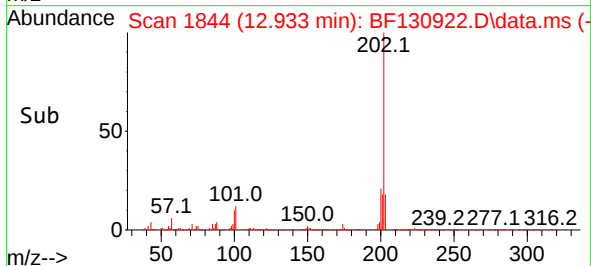
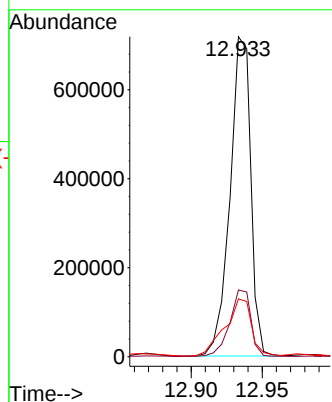
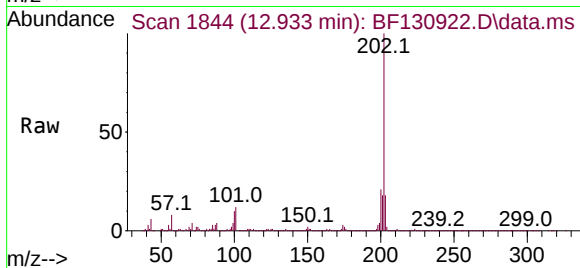
Tgt Ion:202 Resp: 731636

Ion Ratio Lower Upper

202 100

200 20.8 17.2 25.8

203 18.1 14.5 21.7



#79

Terphenyl-d14

Concen: 33.961 ng

RT: 13.069 min Scan# 1867

Delta R.T. 0.000 min

Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

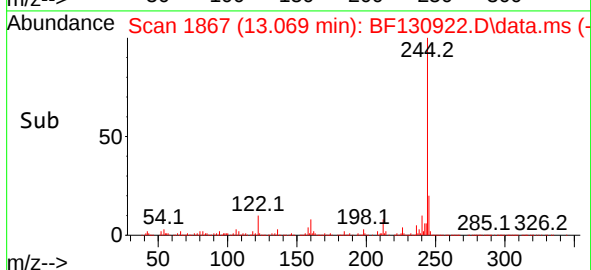
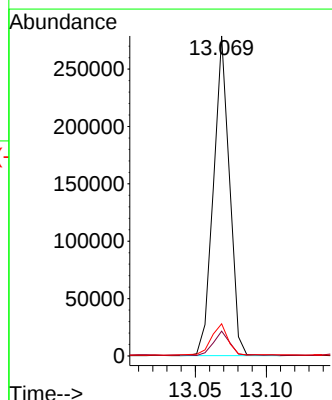
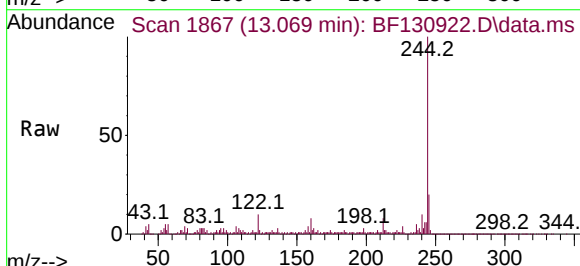
Tgt Ion:244 Resp: 217985

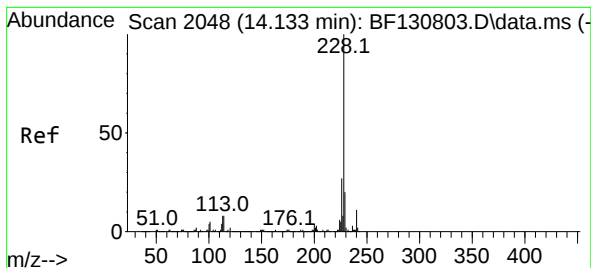
Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

122 10.1 7.9 11.9





#81

Benzo(a)anthracene

Concen: 44.974 ng

RT: 14.127 min Scan# 2047

Delta R.T. 0.012 min

Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

Instrument :

BNA_F

ClientSampleId :

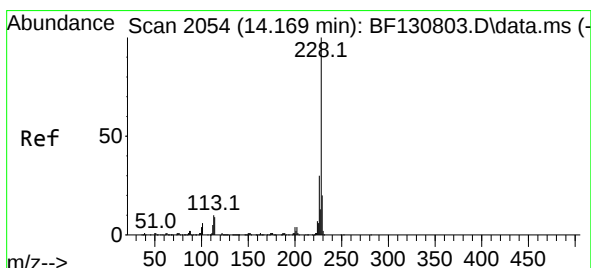
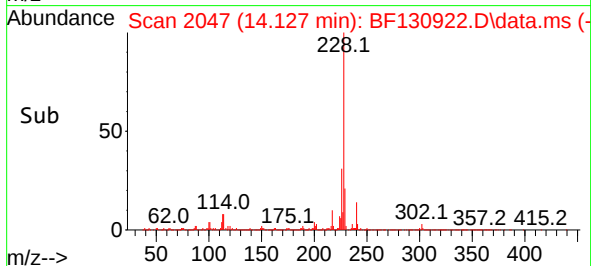
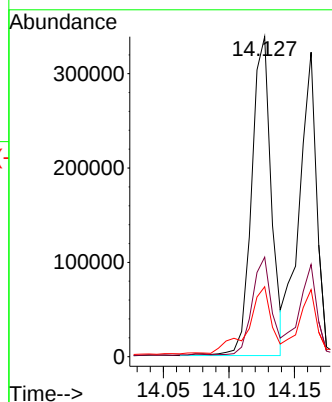
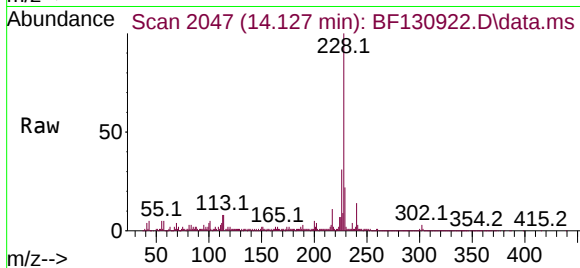
Tgt Ion:228 Resp: 350716

Ion Ratio Lower Upper

228 100

226 31.1 21.4 32.2

229 21.8 15.8 23.6



#83

Chrysene

Concen: 39.715 ng

RT: 14.163 min Scan# 2053

Delta R.T. 0.006 min

Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

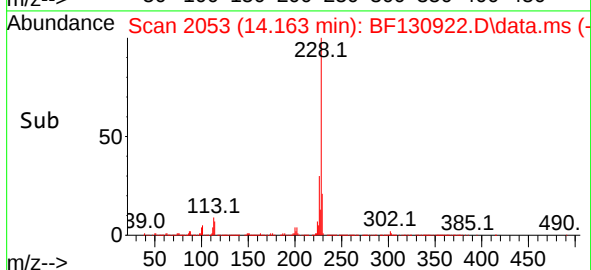
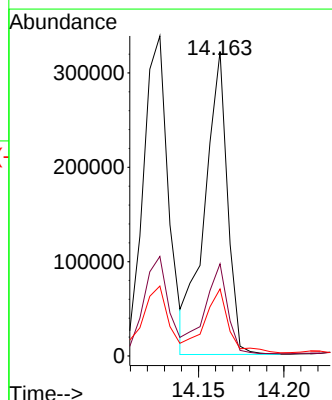
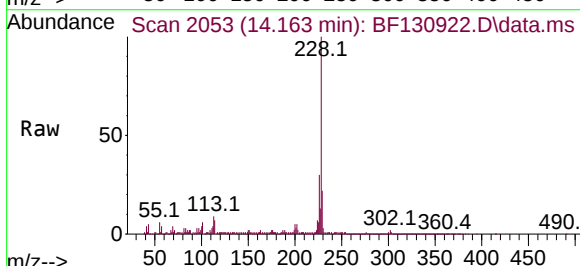
Tgt Ion:228 Resp: 298737

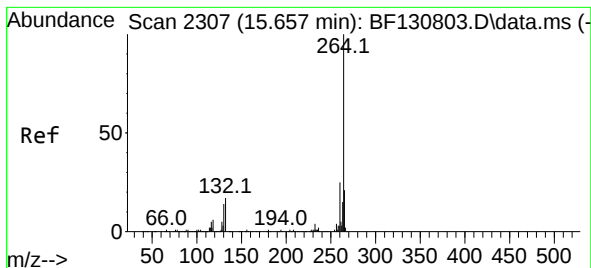
Ion Ratio Lower Upper

228 100

226 30.3 23.9 35.9

229 22.0 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.662 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF130922.D

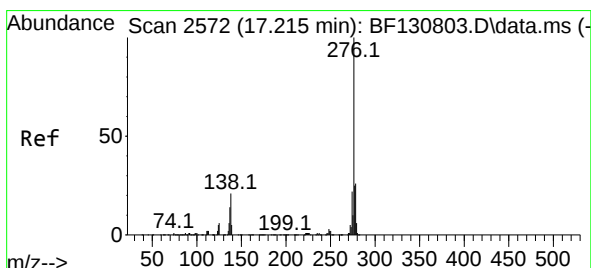
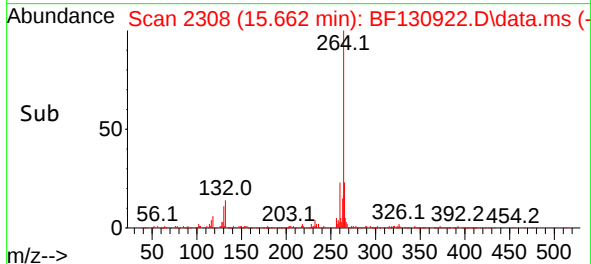
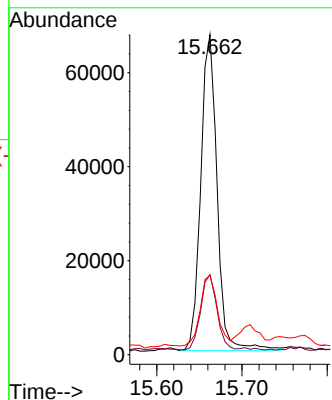
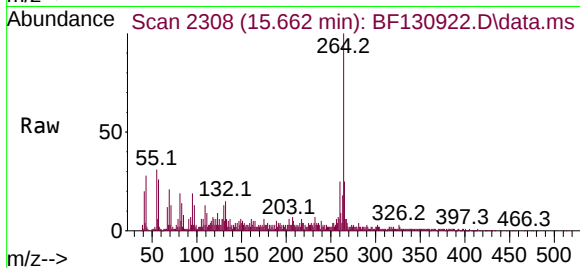
Acq: 02 Nov 2022 02:56

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:264	Resp:	89954
Ion Ratio	Lower	Upper
264	100	
260	25.0	19.9 29.9
265	24.8	17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 19.585 ng

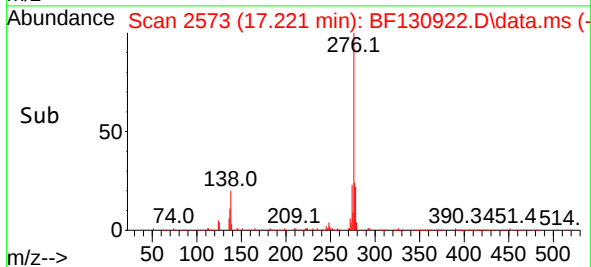
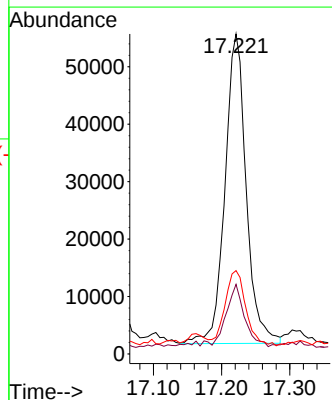
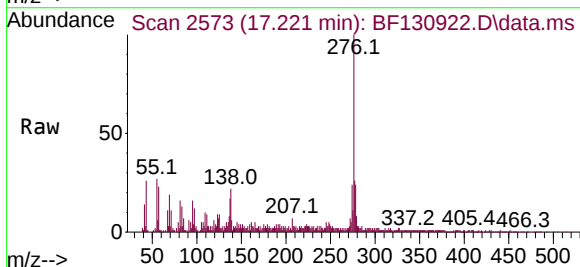
RT: 17.221 min Scan# 2573

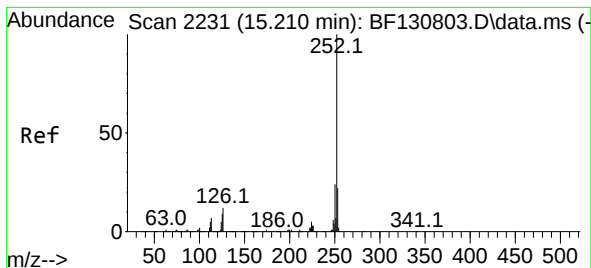
Delta R.T. 0.029 min

Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

Tgt Ion:276	Resp:	116995
Ion Ratio	Lower	Upper
276	100	
138	17.3	19.1 28.7#
277	23.9	20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 74.597 ng

RT: 15.210 min Scan# 2231

Delta R.T. 0.018 min

Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

Instrument :

BNF

ClientSampleId :

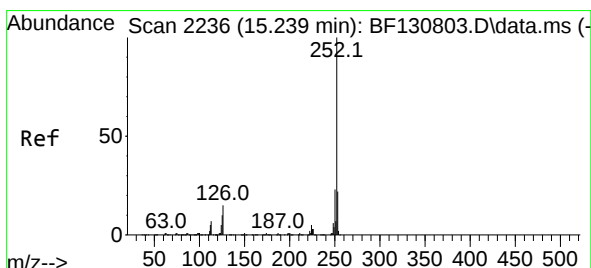
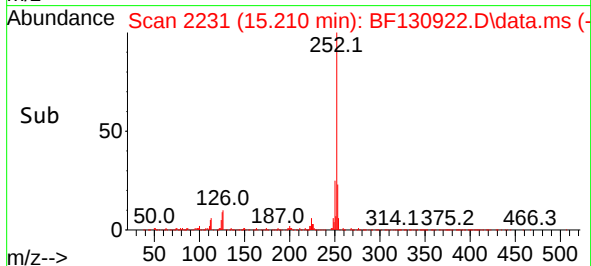
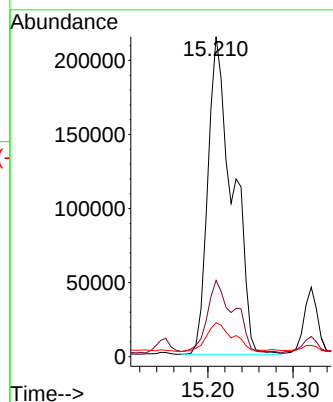
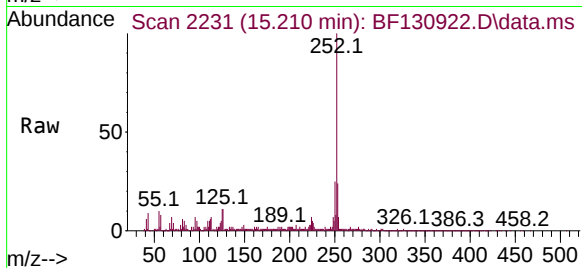
Tgt Ion:252 Resp: 433774

Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

125 10.6 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 76.555 ng

RT: 15.210 min Scan# 2231

Delta R.T. -0.018 min

Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

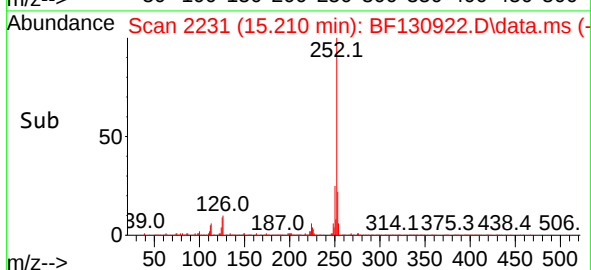
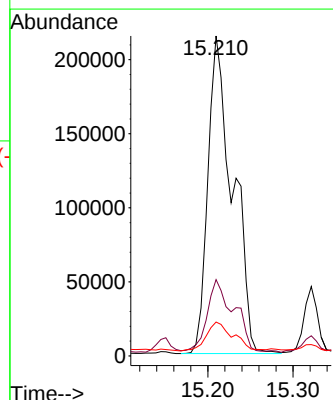
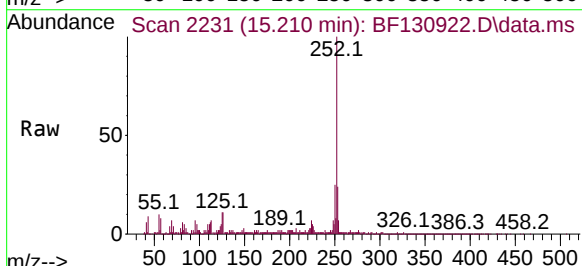
Tgt Ion:252 Resp: 433774

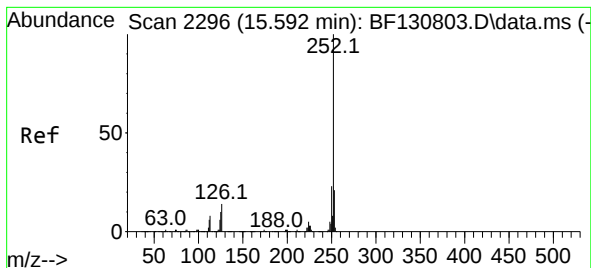
Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

125 10.6 8.0 12.0





#90

Benzo(a)pyrene

Concen: 45.497 ng

RT: 15.598 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

Instrument :

BNA_F

ClientSampleId :

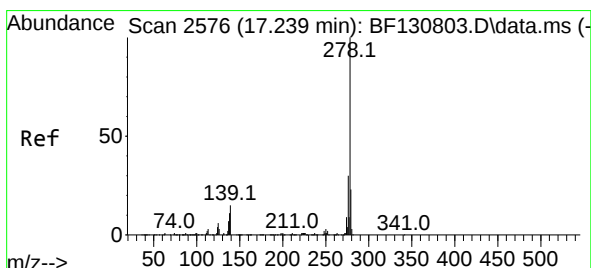
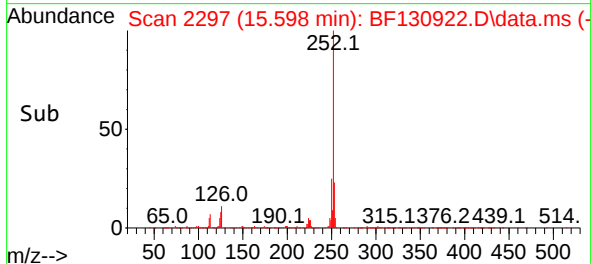
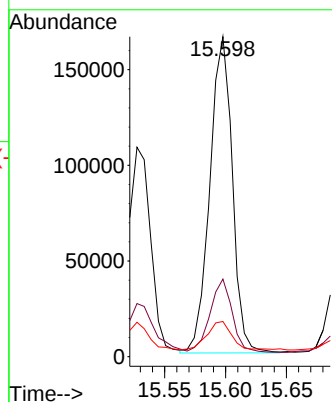
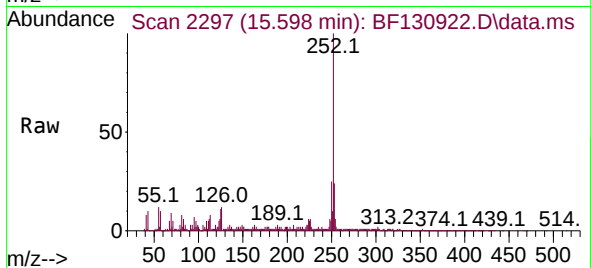
Tgt Ion:252 Resp: 212673

Ion Ratio Lower Upper

252 100

253 24.3 16.8 25.2

125 11.0 8.3 12.5



#91

Dibenzo(a,h)anthracene

Concen: 6.152 ng

RT: 17.233 min Scan# 2575

Delta R.T. 0.018 min

Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

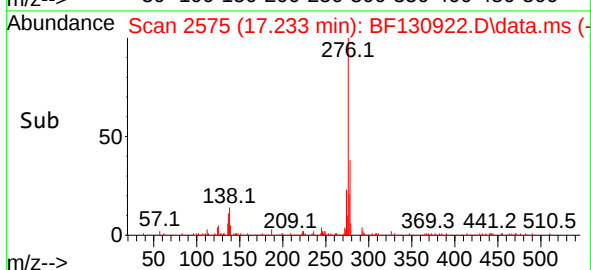
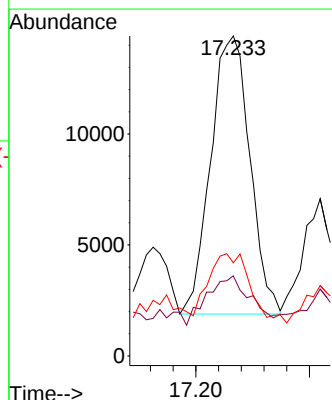
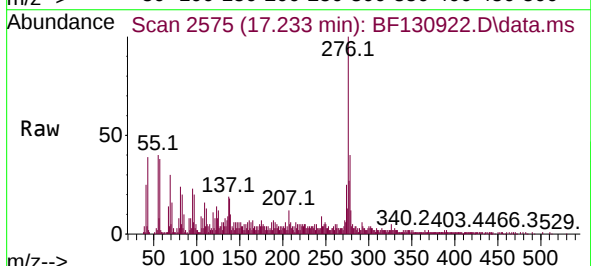
Tgt Ion:278 Resp: 29957

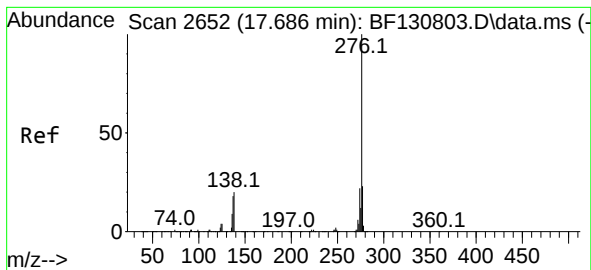
Ion Ratio Lower Upper

278 100

139 25.0 11.9 17.9#

279 29.1 18.6 28.0#





#92

Benzo(g,h,i)perylene

Concen: 19.782 ng

RT: 17.692 min Scan# 20

Delta R.T. 0.024 min

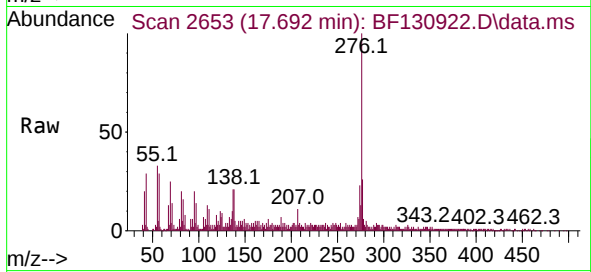
Lab File: BF130922.D

Acq: 02 Nov 2022 02:56

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 98277

Ion Ratio Lower Upper

276 100

277 26.2 18.8 28.2

138 21.1 16.3 24.5

