

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091622\
 Data File : BF130311.D
 Acq On : 17 Sep 2022 02:10
 Operator : CG\JU
 Sample : N4655-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-3-091522

Quant Time: Sep 17 03:34:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 17 03:22:32 2022
 Response via : Initial Calibration

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

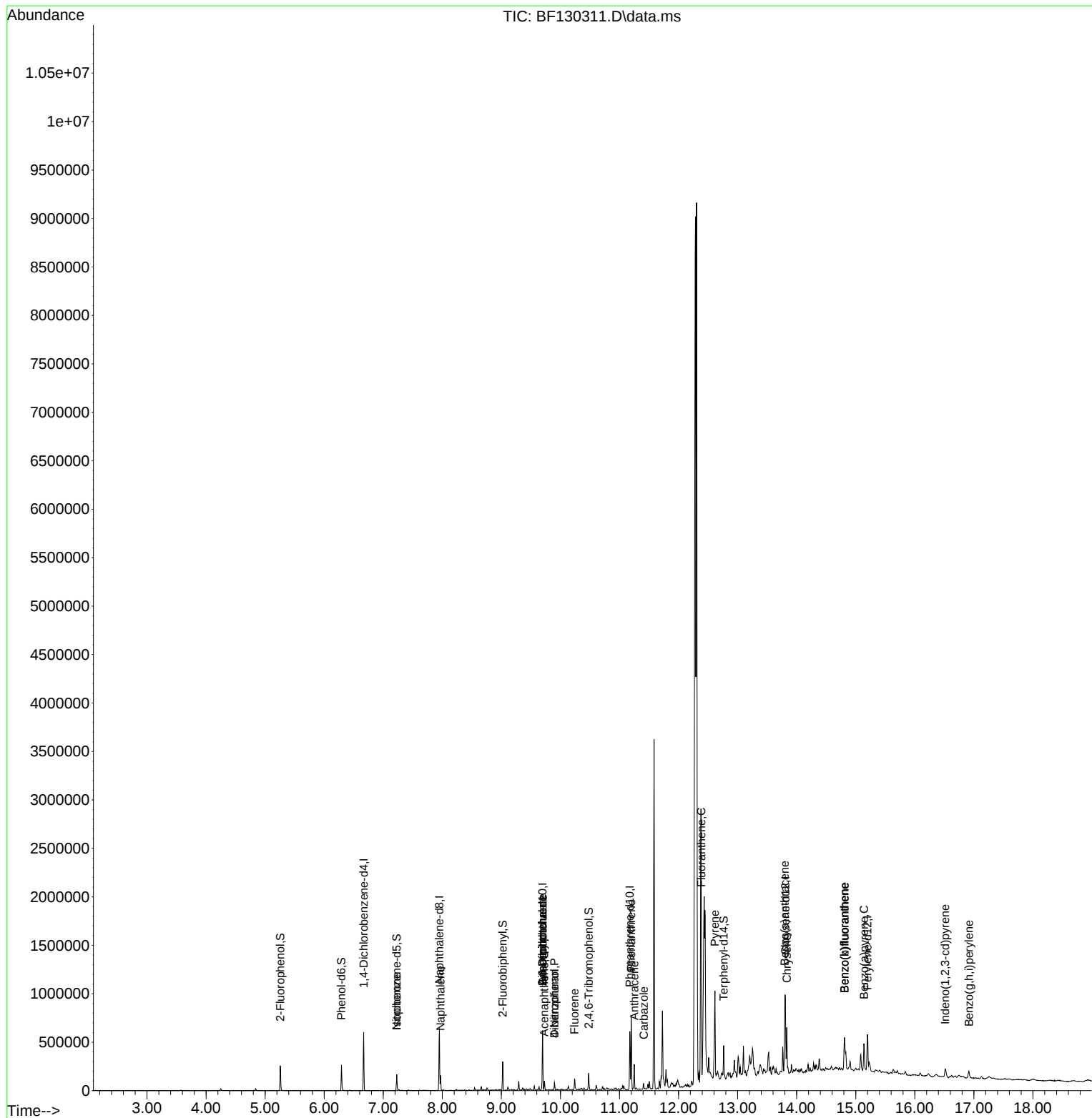
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.669	152	76405	20.000	ng	0.00
21) Naphthalene-d8	7.951	136	256182	20.000	ng	# 0.00
39) Acenaphthene-d10	9.698	164	107737	20.000	ng	0.00
64) Phenanthrene-d10	11.175	188	195689	20.000	ng	0.00
76) Chrysene-d12	13.810	240	206689	20.000	ng	0.00
86) Perylene-d12	15.198	264	155228	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.257	112	65540	14.878	ng	0.00
7) Phenol-d6	6.293	99	74797	13.570	ng	-0.01
23) Nitrobenzene-d5	7.228	82	43685	8.712	ng	-0.01
42) 2,4,6-Tribromophenol	10.480	330	15073	14.601	ng	-0.01
45) 2-Fluorobiphenyl	9.022	172	74035	10.007	ng	-0.01
79) Terphenyl-d14	12.763	244	95329	7.640	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.228	82	43684	5.405	ng	# 66
31) Naphthalene	7.969	128	56939	4.314	ng	98
50) Dimethylphthalate	9.698	163	20703	2.782	ng	# 1
51) 2,6-Dinitrotoluene	9.698	165	14831	9.529	ng	# 16
52) Acenaphthene	9.728	154	16779	2.617	ng	98
55) Dibenzofuran	9.898	168	20759	2.328	ng	99
56) 4-Nitrophenol	9.898	139	8864	7.017	ng	# 1
57) 2,4-Dinitrotoluene	9.698	165	14831	7.456	ng	# 16
58) Fluorene	10.239	166	29397	4.030	ng	# 98
71) Phenanthrene	11.198	178	248702	22.636	ng	99
72) Anthracene	11.251	178	82748	7.805	ng	97
73) Carbazole	11.410	167	21396	2.236	ng	97
75) Fluoranthene	12.386	202	384886	36.254	ng	98
78) Pyrene	12.616	202	334582	18.504	ng	100
81) Benzo(a)anthracene	13.798	228	194370	14.136	ng	98
83) Chrysene	13.833	228	155684	11.925	ng	96
87) Indeno(1,2,3-cd)pyrene	16.515	276	57145	5.191	ng	95
88) Benzo(b)fluoranthene	14.810	252	233834	23.080	ng	99
89) Benzo(k)fluoranthene	14.810	252	233834	23.462	ng	99
90) Benzo(a)pyrene	15.139	252	115794	14.426	ng	99
92) Benzo(g,h,i)perylene	16.915	276	50634	5.566	ng	98

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

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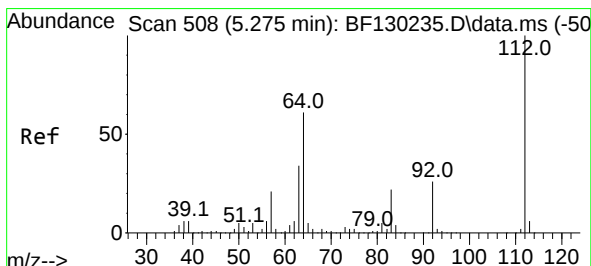
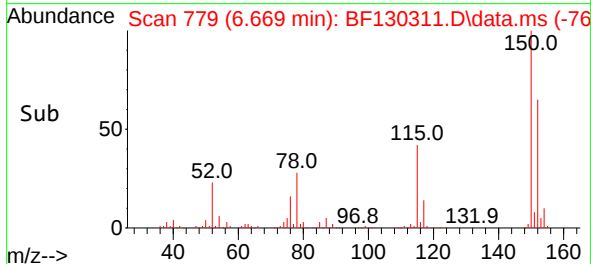
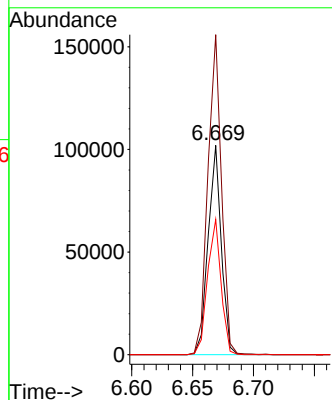
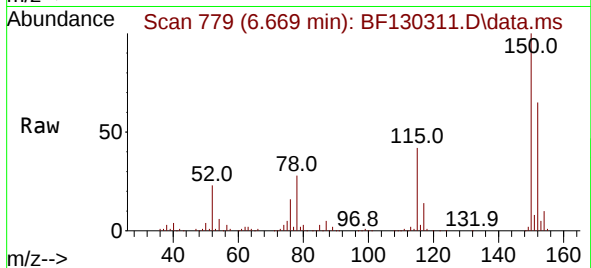




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.669 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

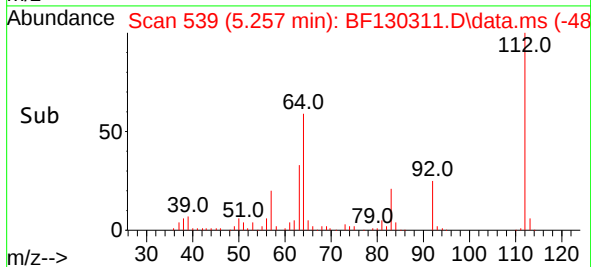
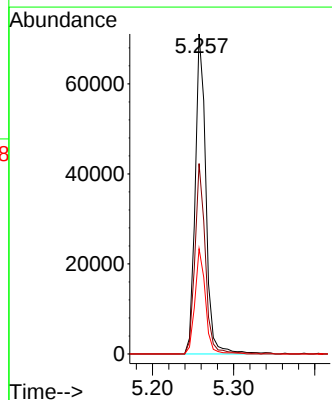
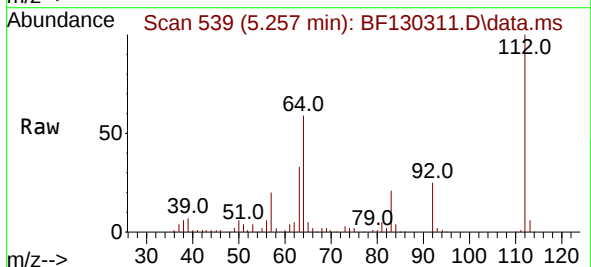
Instrument :
BNA_F
ClientSampleId :
SU-3-091522

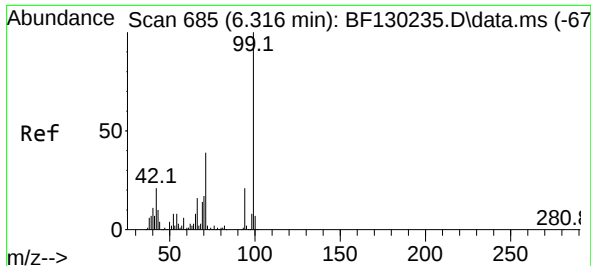
Tgt Ion:152 Resp: 76405
Ion Ratio Lower Upper
152 100
150 152.8 122.8 184.2
115 64.6 53.8 80.8



#5
2-Fluorophenol
Concen: 14.878 ng
RT: 5.257 min Scan# 539
Delta R.T. -0.006 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

Tgt Ion:112 Resp: 65540
Ion Ratio Lower Upper
112 100
64 59.5 51.4 77.0
63 32.9 28.8 43.2

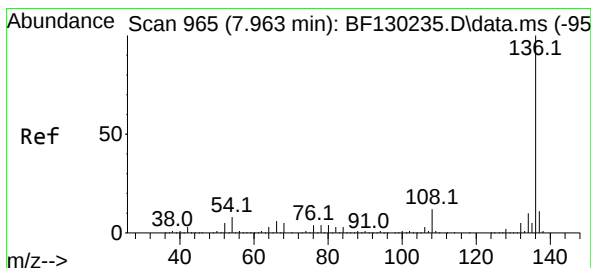
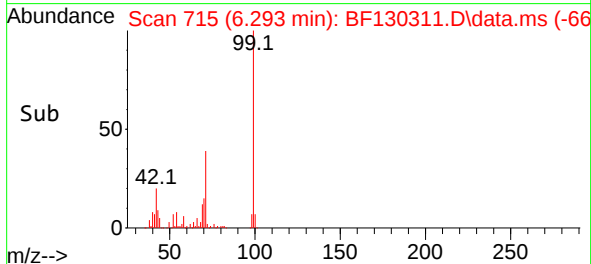
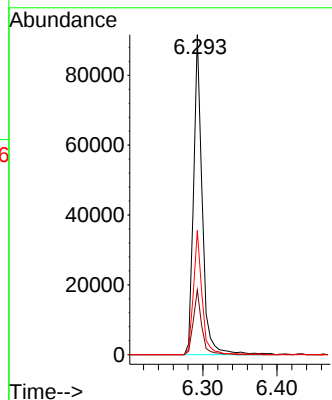
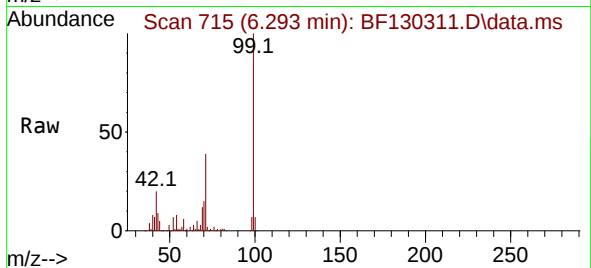




#7
Phenol-d6
Concen: 13.570 ng
RT: 6.293 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

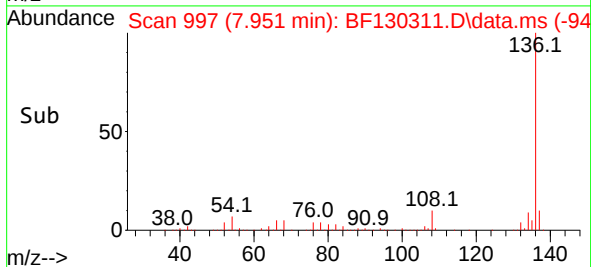
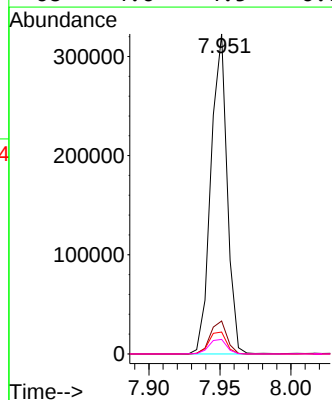
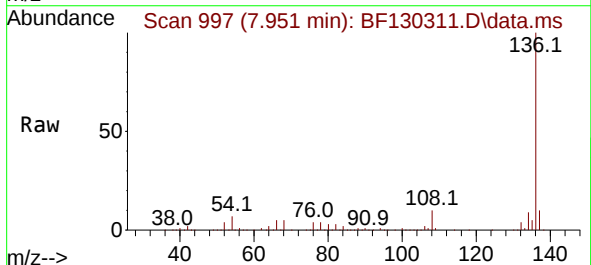
Instrument :
BNA_F
ClientSampleId :
SU-3-091522

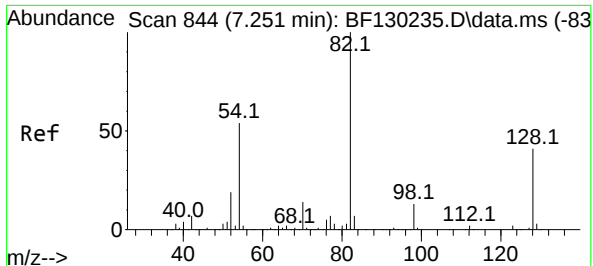
Tgt Ion: 99 Resp: 74797
Ion Ratio Lower Upper
99 100
42 20.2 17.0 25.6
71 38.8 32.3 48.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.951 min Scan# 997
Delta R.T. 0.000 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

Tgt Ion: 136 Resp: 256182
Ion Ratio Lower Upper
136 100
137 10.3 9.1 13.7
54 6.9 7.1 10.7#
68 4.6 4.5 6.7

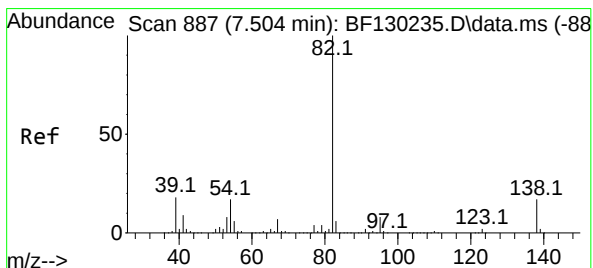
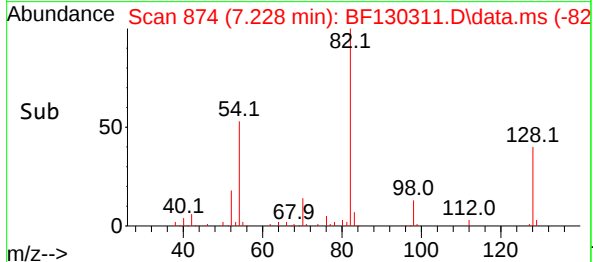
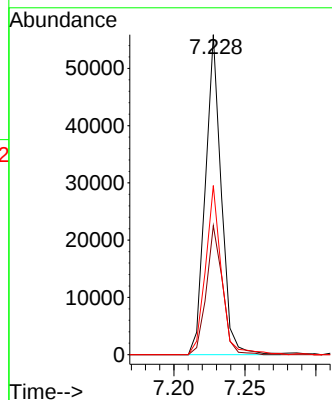
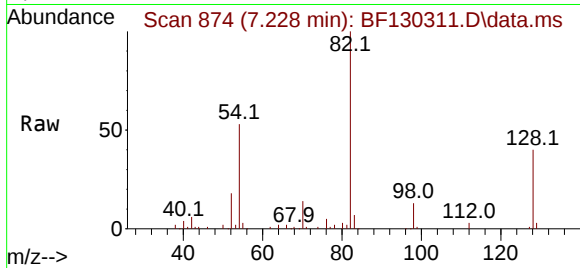




#23
Nitrobenzene-d5
Concen: 8.712 ng
RT: 7.228 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

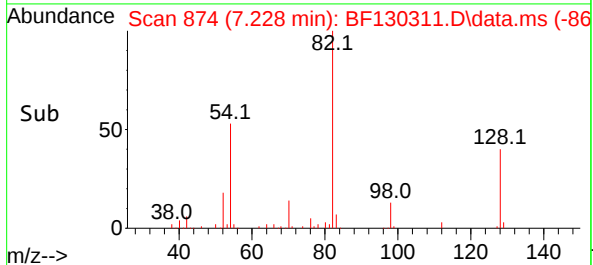
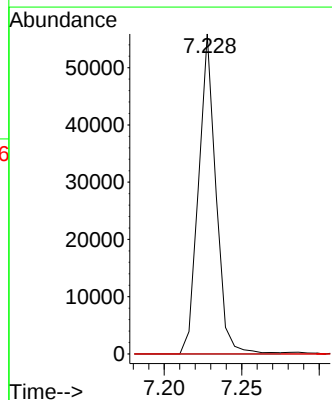
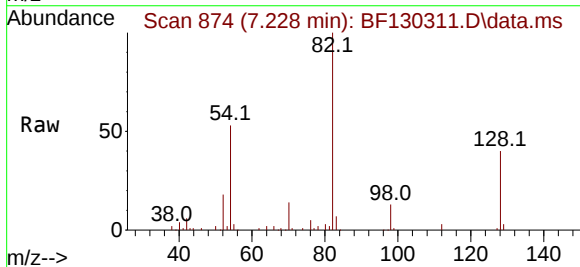
Instrument :
BNA_F
ClientSampleId :
SU-3-091522

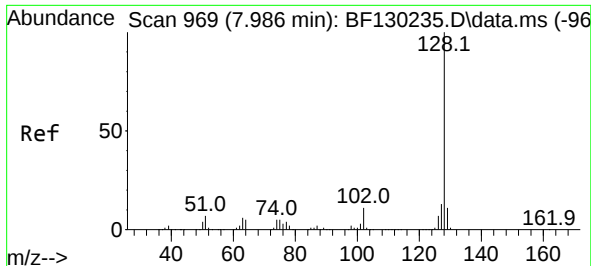
Tgt Ion: 82 Resp: 43685
Ion Ratio Lower Upper
82 100
128 40.3 32.6 49.0
54 52.8 43.8 65.6



#25
Isophorone
Concen: 5.405 ng
RT: 7.228 min Scan# 874
Delta R.T. -0.270 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

Tgt Ion: 82 Resp: 43684
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#

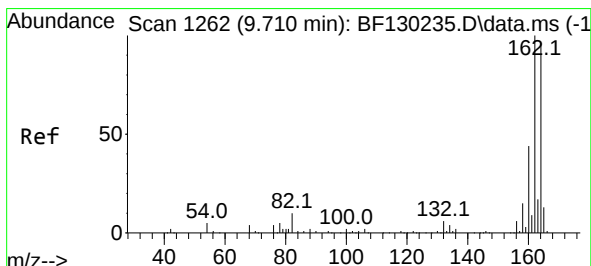
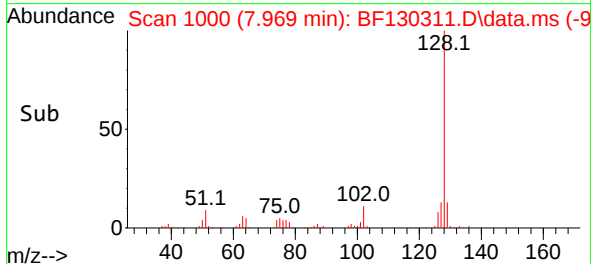
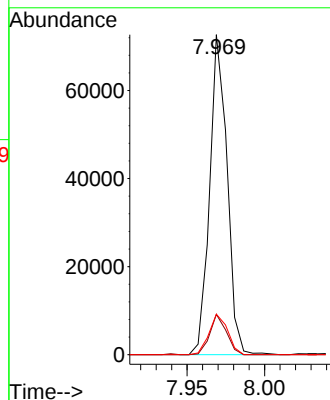
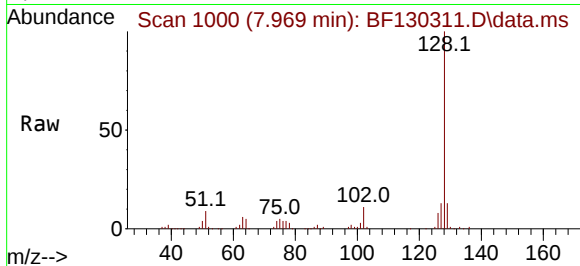




#31
Naphthalene
Concen: 4.314 ng
RT: 7.969 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

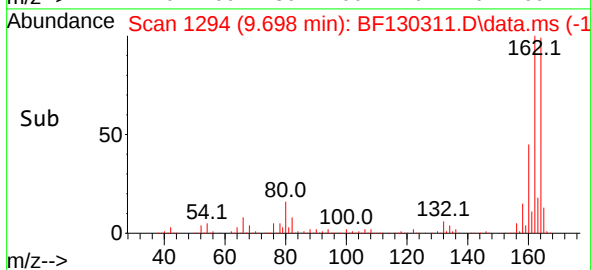
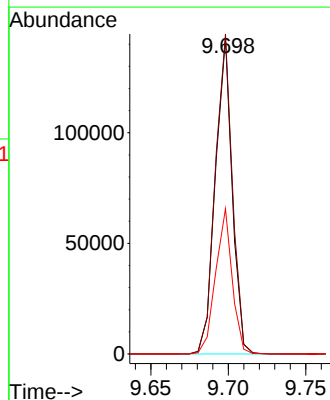
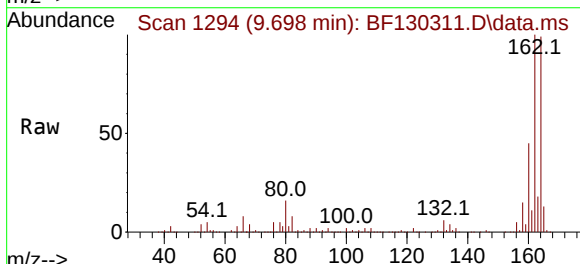
Instrument :
BNA_F
ClientSampleId :
SU-3-091522

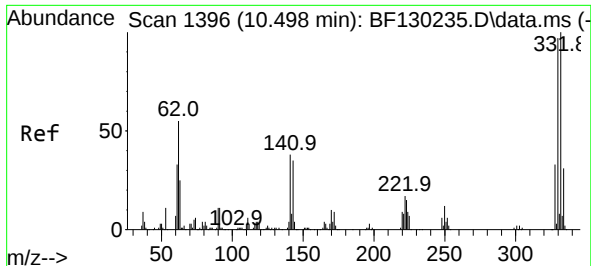
Tgt Ion:128 Resp: 56939
Ion Ratio Lower Upper
128 100
129 12.6 9.1 13.7
127 12.6 10.6 16.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.698 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

Tgt Ion:164 Resp: 107737
Ion Ratio Lower Upper
164 100
162 101.3 81.4 122.0
160 46.0 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 14.601 ng

RT: 10.480 min Scan# 14

Delta R.T. -0.012 min

Lab File: BF130311.D

Acq: 17 Sep 2022 02:10

Instrument :

BNA_F

ClientSampleId :

SU-3-091522

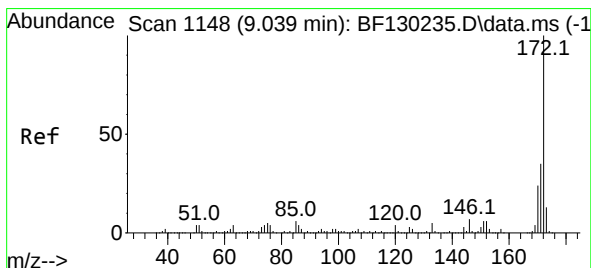
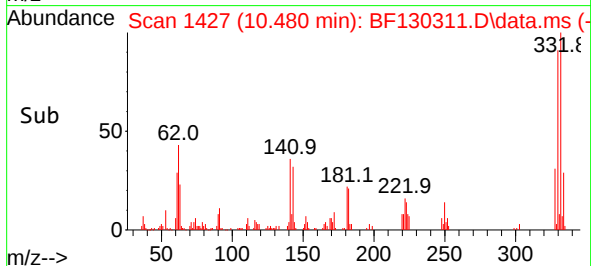
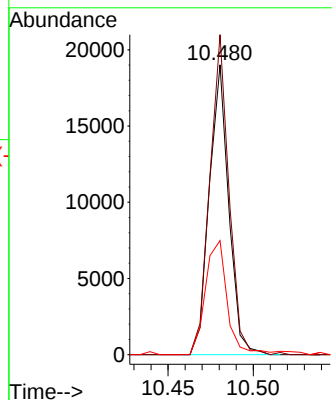
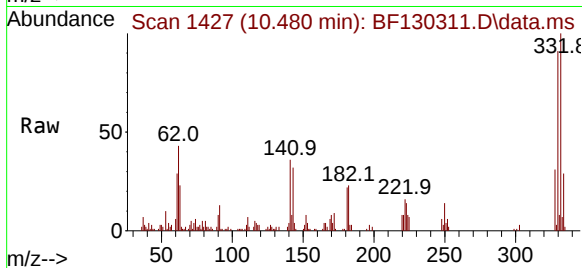
Tgt Ion:330 Resp: 15073

Ion Ratio Lower Upper

330 100

332 109.0 83.4 125.2

141 45.9 34.0 51.0



#45

2-Fluorobiphenyl

Concen: 10.007 ng

RT: 9.022 min Scan# 1179

Delta R.T. -0.012 min

Lab File: BF130311.D

Acq: 17 Sep 2022 02:10

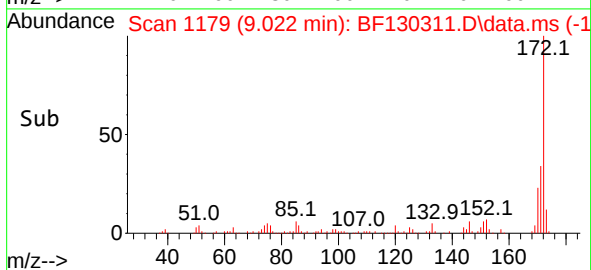
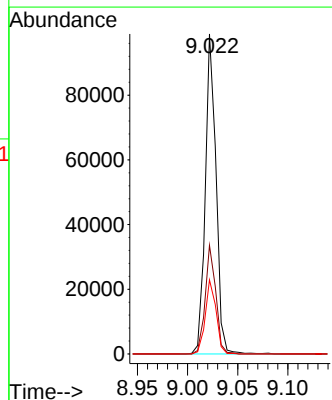
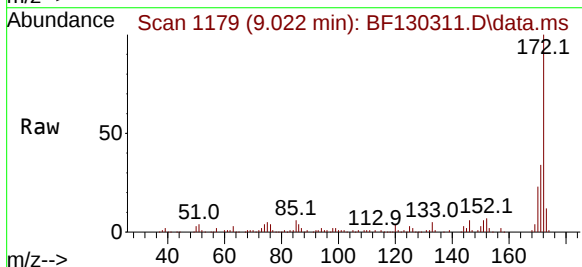
Tgt Ion:172 Resp: 74035

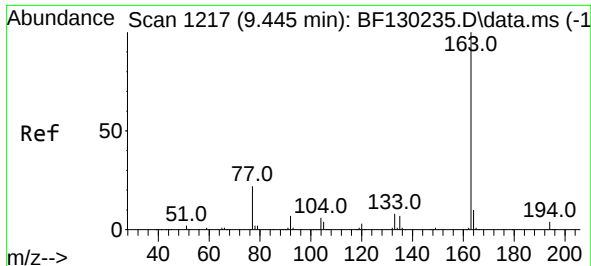
Ion Ratio Lower Upper

172 100

171 34.0 28.3 42.5

170 23.2 18.7 28.1

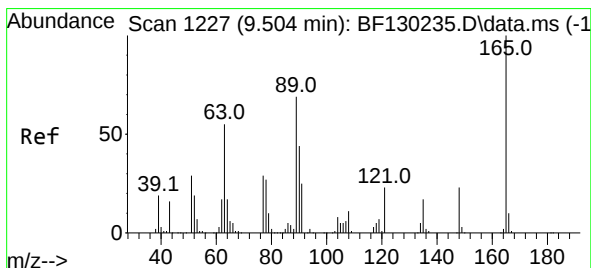
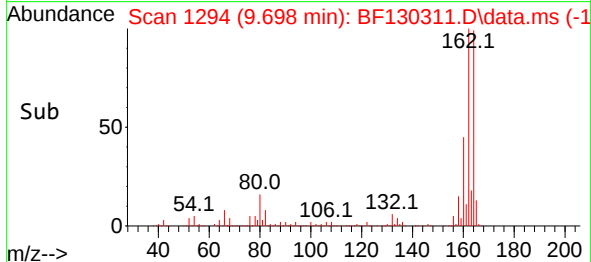
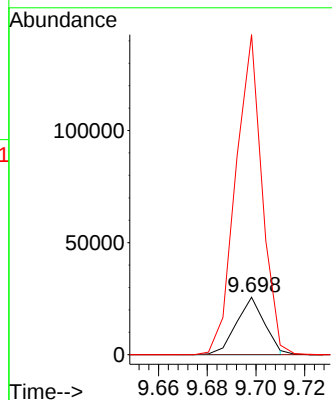
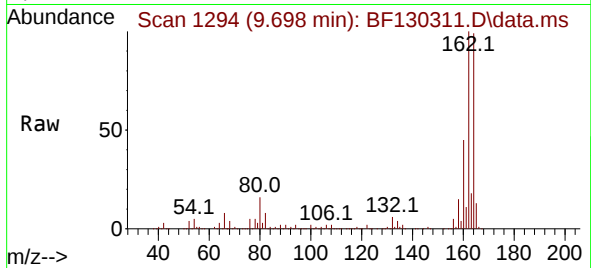




#50
Dimethylphthalate
Concen: 2.782 ng
RT: 9.698 min Scan# 1294
Delta R.T. 0.259 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

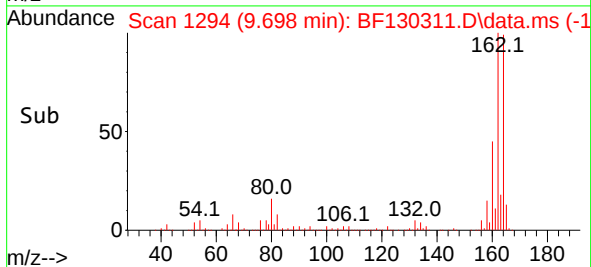
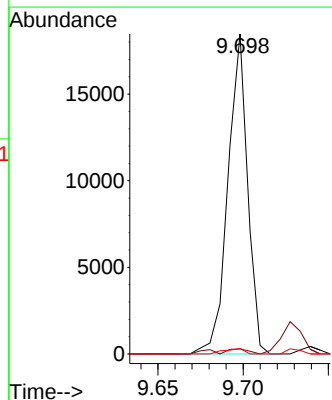
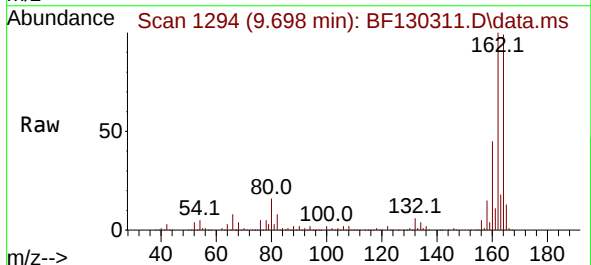
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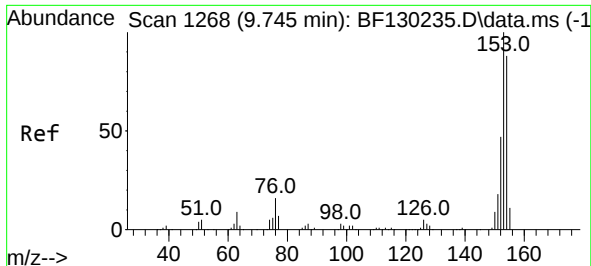
Tgt Ion:163 Resp: 20703
Ion Ratio Lower Upper
163 100
194 0.0 2.8 4.2#
164 556.7 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 9.529 ng
RT: 9.698 min Scan# 1294
Delta R.T. 0.200 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

Tgt Ion:165 Resp: 14831
Ion Ratio Lower Upper
165 100
63 1.5 58.8 88.2#
89 1.7 54.5 81.7#

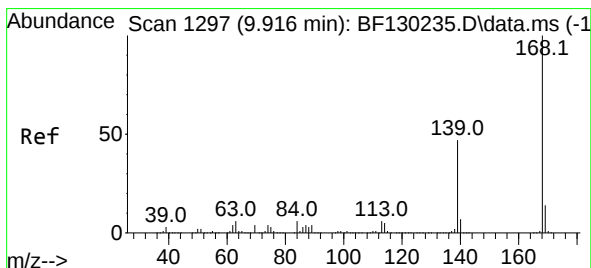
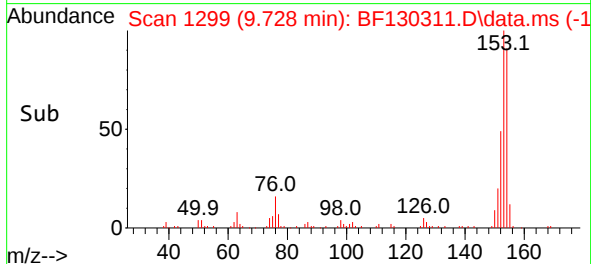
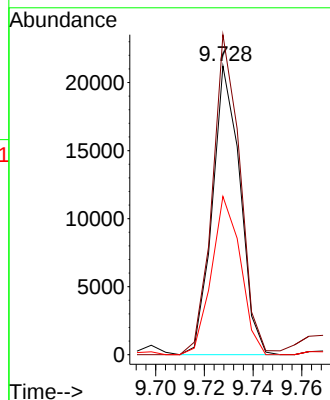
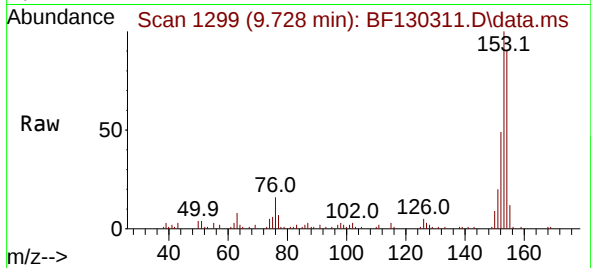




#52
Acenaphthene
Concen: 2.617 ng
RT: 9.728 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

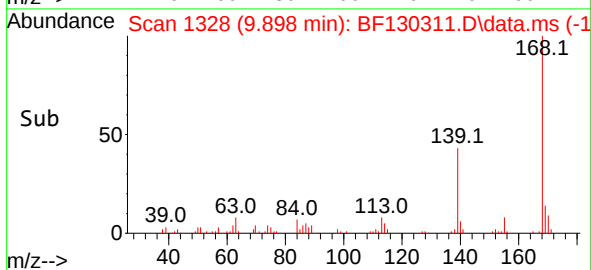
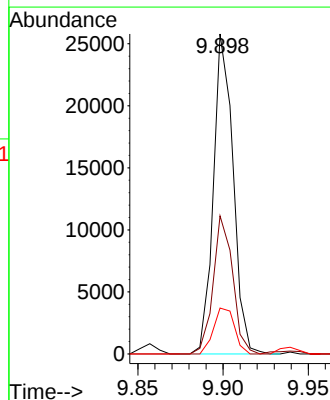
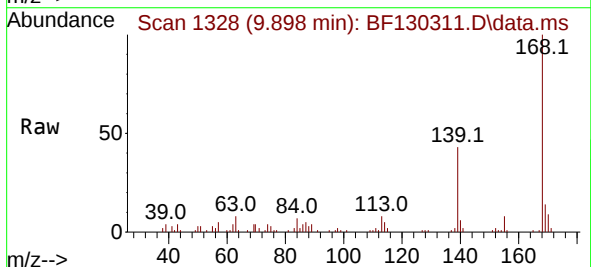
Instrument :
BNA_F
ClientSampleId :
SU-3-091522

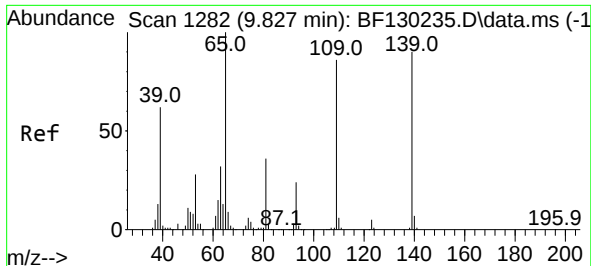
Tgt Ion:154 Resp: 16779
Ion Ratio Lower Upper
154 100
153 110.8 90.6 136.0
152 54.8 43.8 65.6



#55
Dibenzofuran
Concen: 2.328 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

Tgt Ion:168 Resp: 20759
Ion Ratio Lower Upper
168 100
139 43.2 35.0 52.4
169 14.3 10.9 16.3

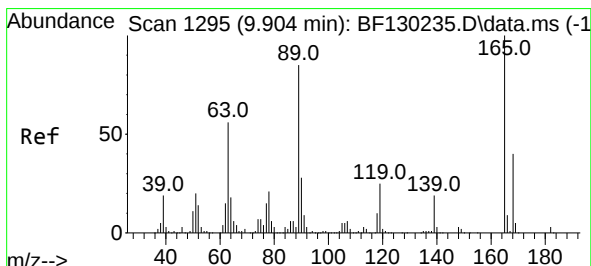
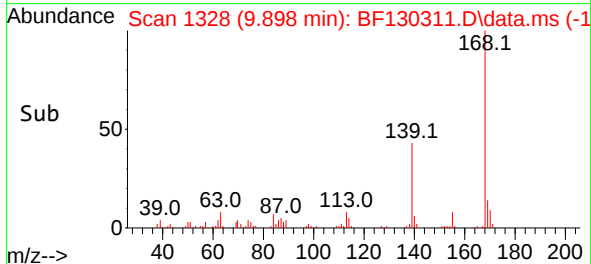
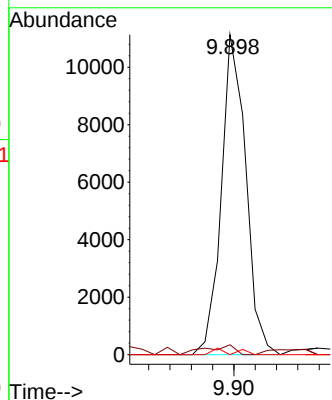
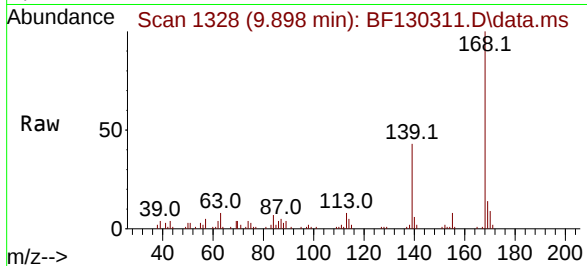




#56
4-Nitrophenol
Concen: 7.017 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.077 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

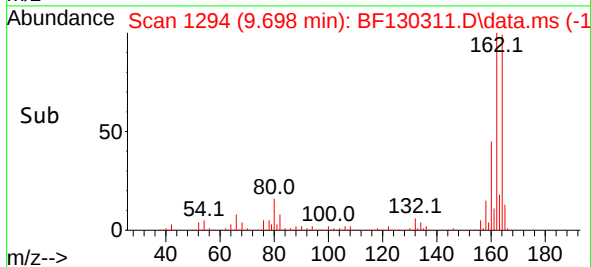
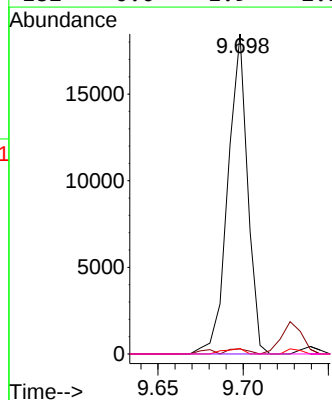
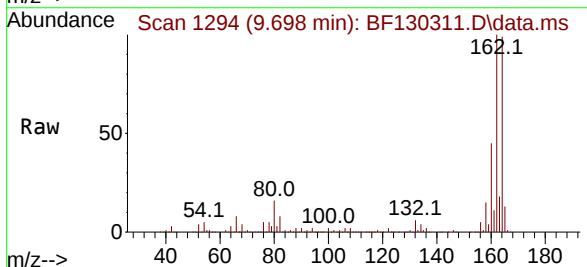
Instrument :
BNA_F
ClientSampleId :
SU-3-091522

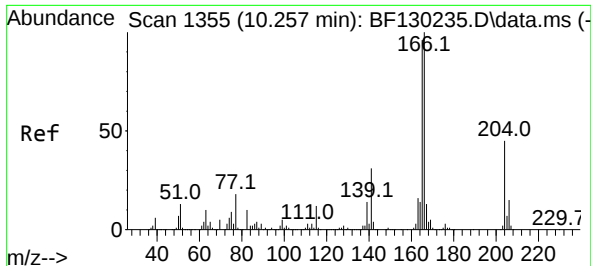
Tgt Ion:139 Resp: 8864
Ion Ratio Lower Upper
139 100
109 3.1 72.2 112.2#
65 0.0 97.7 137.7#



#57
2,4-Dinitrotoluene
Concen: 7.456 ng
RT: 9.698 min Scan# 1294
Delta R.T. -0.200 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

Tgt Ion:165 Resp: 14831
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.7 69.0 103.4#
182 0.0 1.9 2.9#

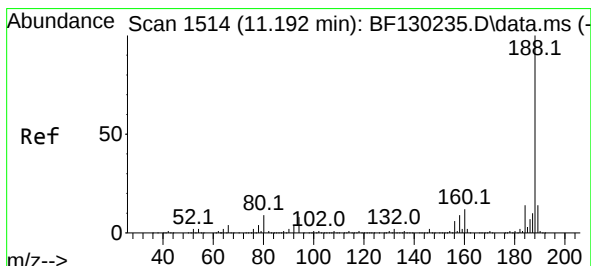
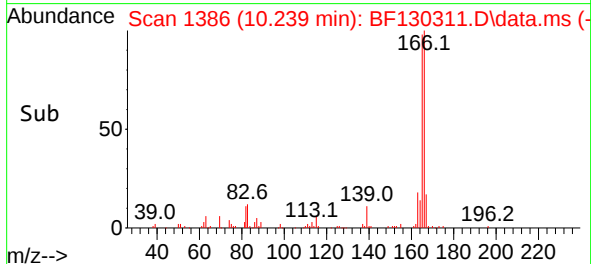
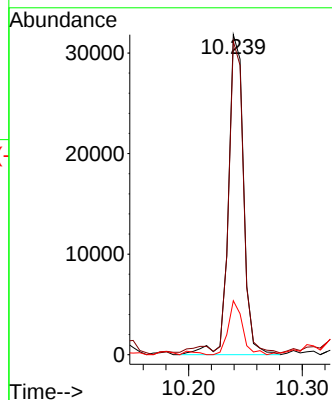
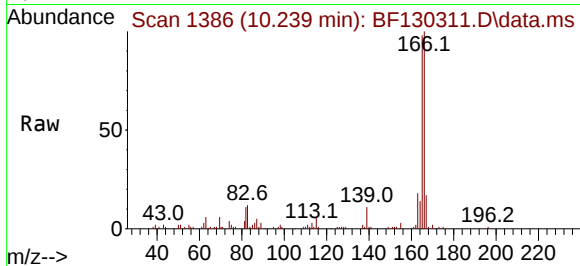




#58
Fluorene
Concen: 4.030 ng
RT: 10.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

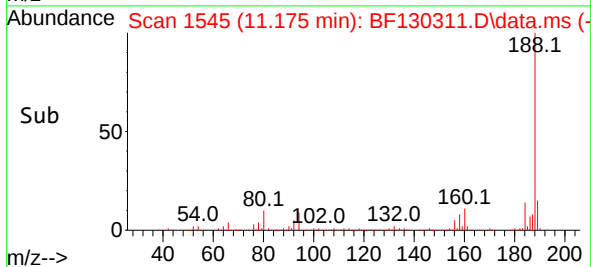
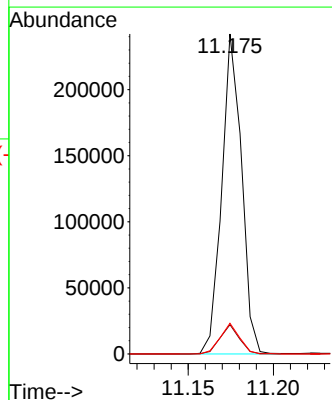
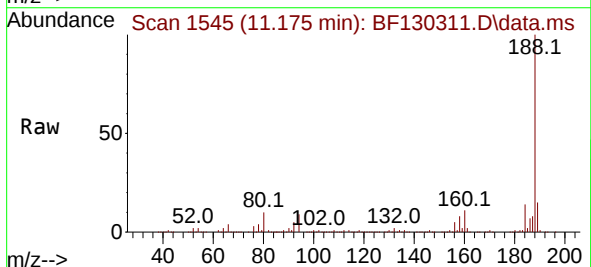
Instrument :
BNA_F
ClientSampleId :
SU-3-091522

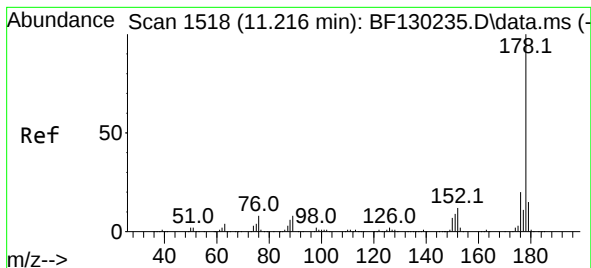
Tgt Ion:166 Resp: 29397
Ion Ratio Lower Upper
166 100
165 98.0 78.8 118.2
167 16.9 10.6 15.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.175 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

Tgt Ion:188 Resp: 195689
Ion Ratio Lower Upper
188 100
94 9.2 7.4 11.2
80 9.6 7.9 11.9





#71

Phenanthrene

Concen: 22.636 ng

RT: 11.198 min Scan# 1549

Delta R.T. -0.012 min

Lab File: BF130311.D

Acq: 17 Sep 2022 02:10

Instrument :

BNA_F

ClientSampleId :

SU-3-091522

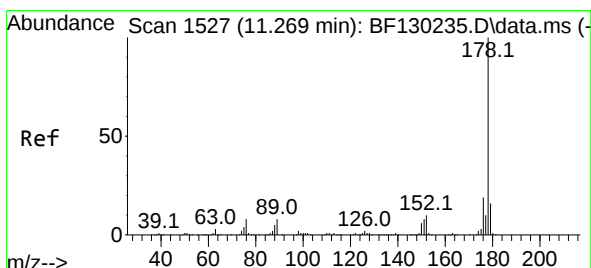
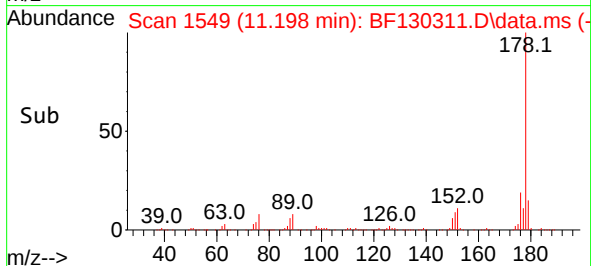
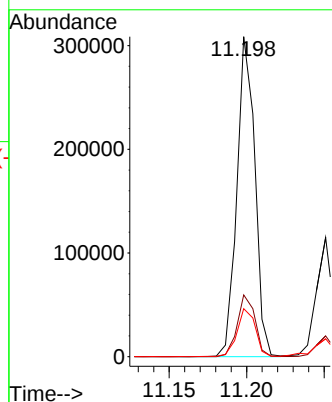
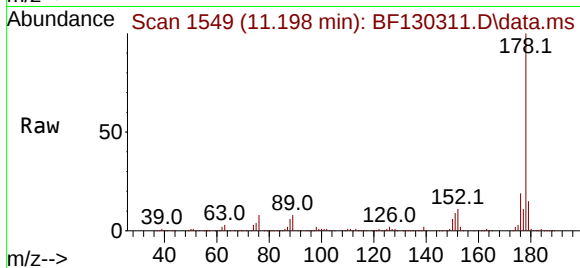
Tgt Ion:178 Resp: 248702

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

179 15.0 12.4 18.6



#72

Anthracene

Concen: 7.805 ng

RT: 11.251 min Scan# 1558

Delta R.T. -0.006 min

Lab File: BF130311.D

Acq: 17 Sep 2022 02:10

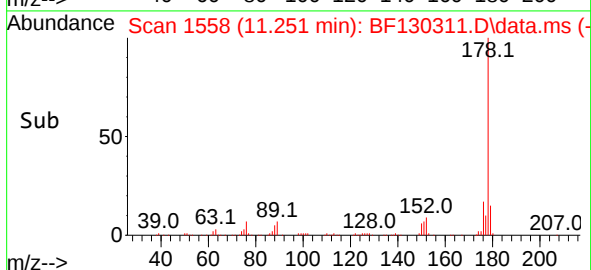
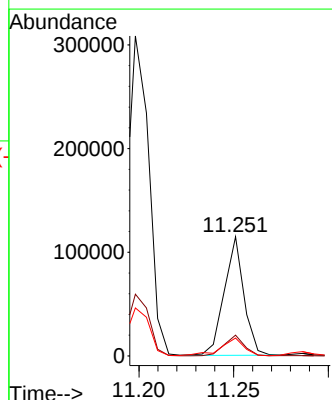
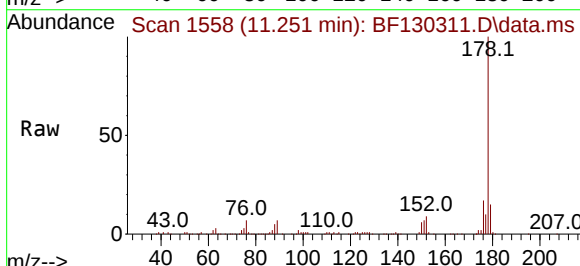
Tgt Ion:178 Resp: 82748

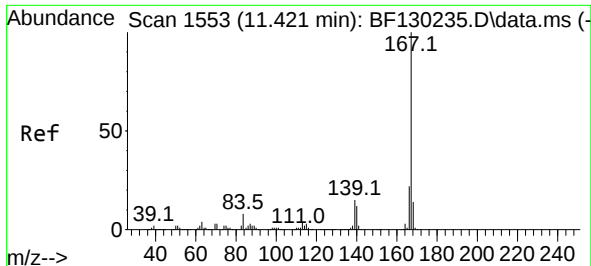
Ion Ratio Lower Upper

178 100

176 17.5 15.0 22.6

179 15.0 12.7 19.1

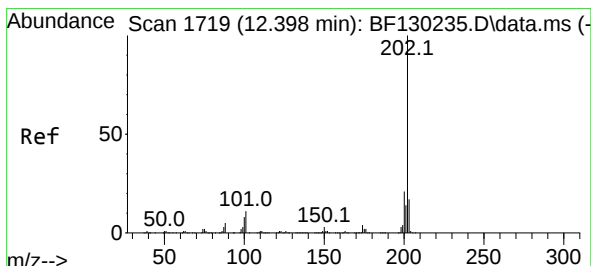
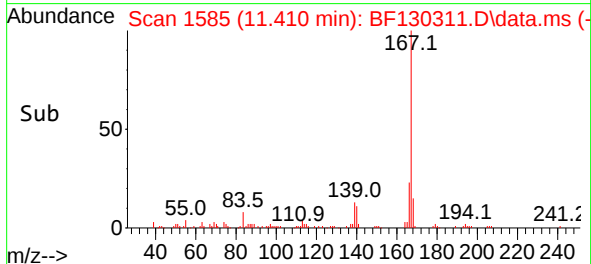
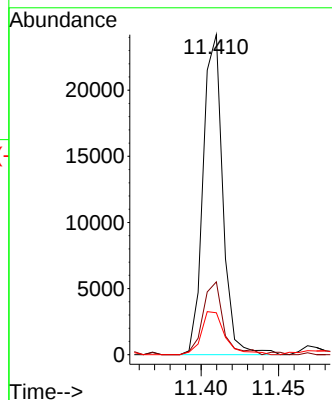
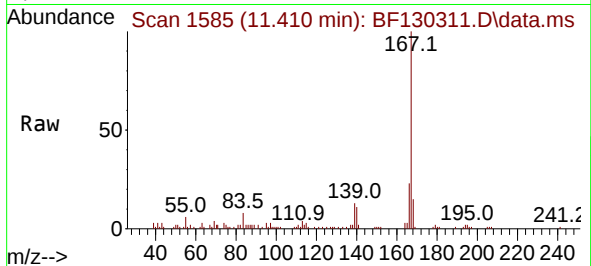




#73
 Carbazole
 Concen: 2.236 ng
 RT: 11.410 min Scan# 1553
 Delta R.T. -0.006 min
 Lab File: BF130311.D
 Acq: 17 Sep 2022 02:10

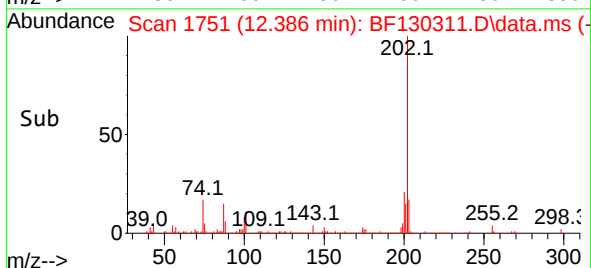
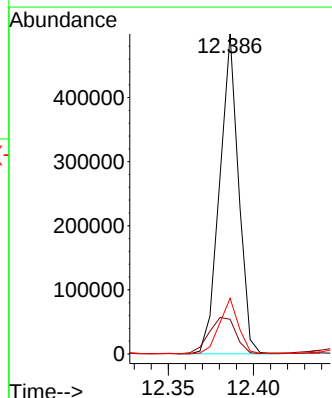
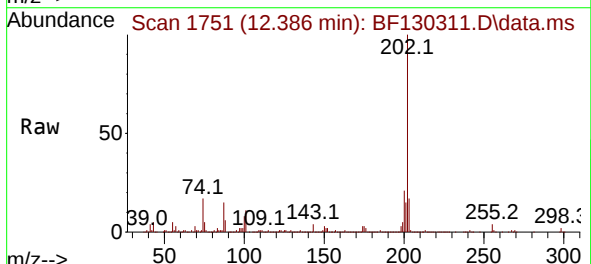
Instrument :
 BNA_F
 ClientSampleId :
 SU-3-091522

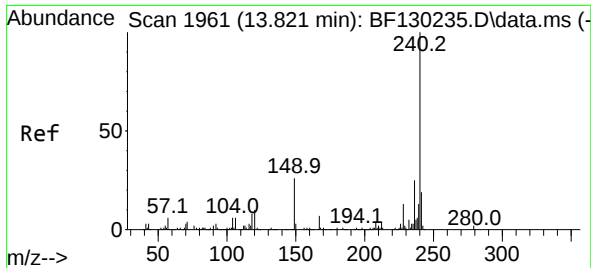
Tgt Ion:167 Resp: 21396
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.4 26.2
 139 13.1 11.6 17.4



#75
 Fluoranthene
 Concen: 36.254 ng
 RT: 12.386 min Scan# 1751
 Delta R.T. -0.006 min
 Lab File: BF130311.D
 Acq: 17 Sep 2022 02:10

Tgt Ion:202 Resp: 384886
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 31.8
 203 17.4 0.0 37.8

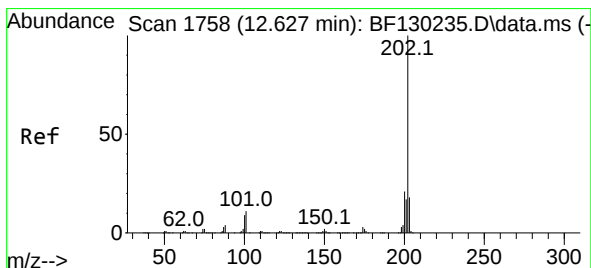
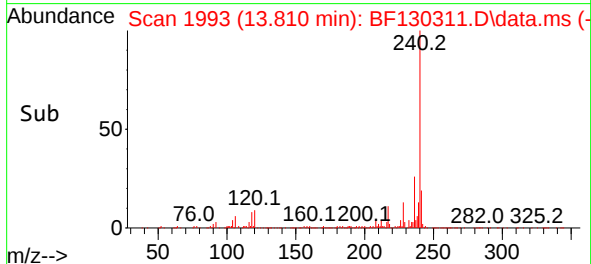
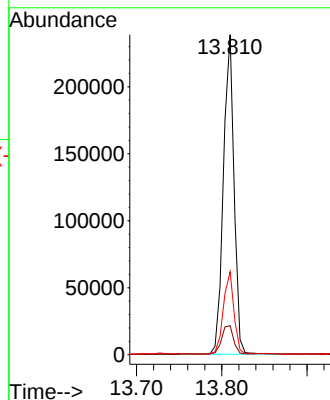
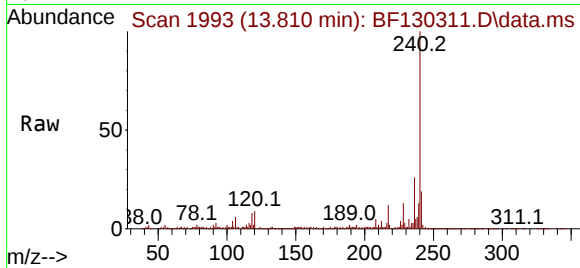




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.810 min Scan# 1961
Delta R.T. 0.000 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

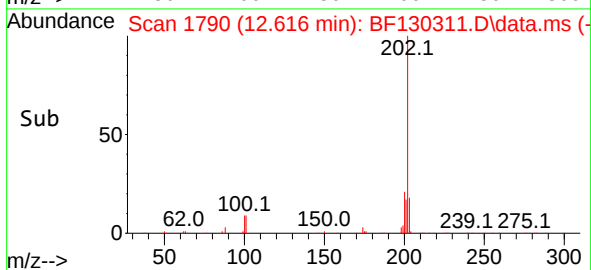
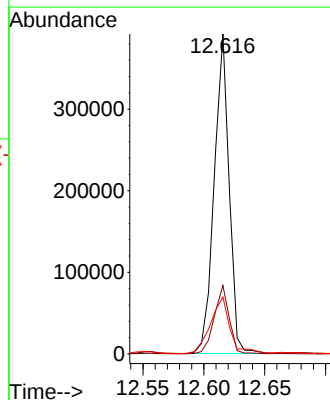
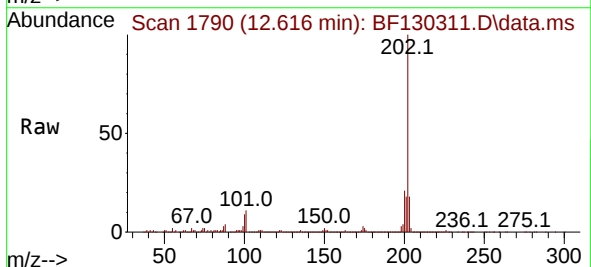
Instrument :
BNA_F
ClientSampleId :
SU-3-091522

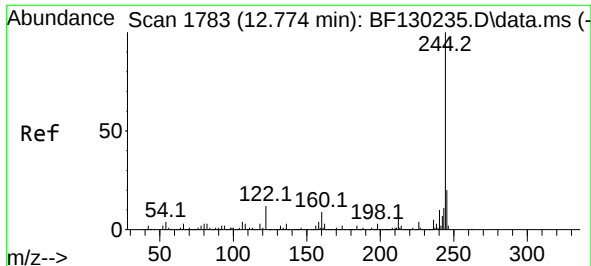
Tgt Ion:240 Resp: 206689
Ion Ratio Lower Upper
240 100
120 9.1 8.7 13.1
236 25.9 20.9 31.3



#78
Pyrene
Concen: 18.504 ng
RT: 12.616 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

Tgt Ion:202 Resp: 334582
Ion Ratio Lower Upper
202 100
200 21.4 17.2 25.8
203 17.8 14.3 21.5

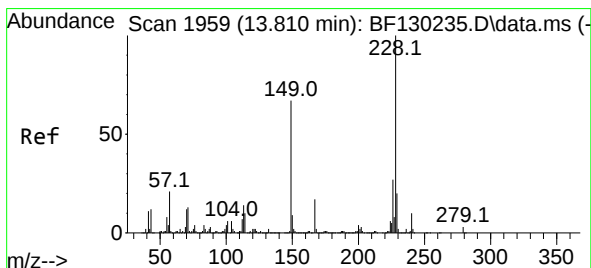
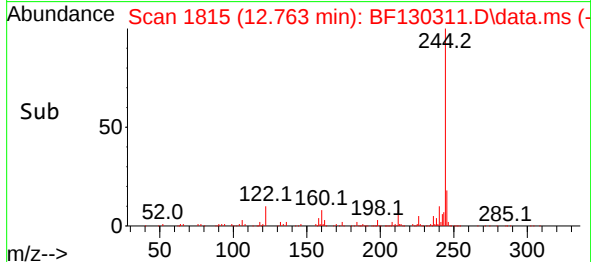
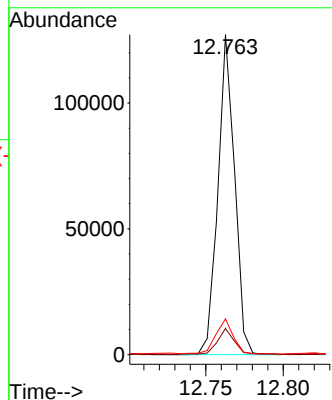
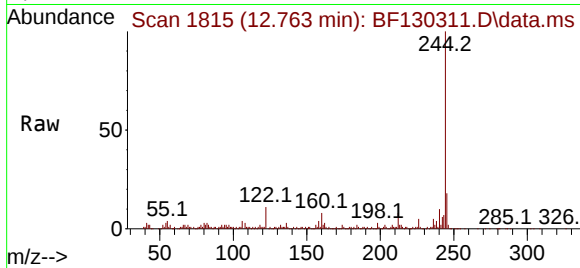




#79
 Terphenyl-d14
 Concen: 7.640 ng
 RT: 12.763 min Scan# 1815
 Delta R.T. -0.006 min
 Lab File: BF130311.D
 Acq: 17 Sep 2022 02:10

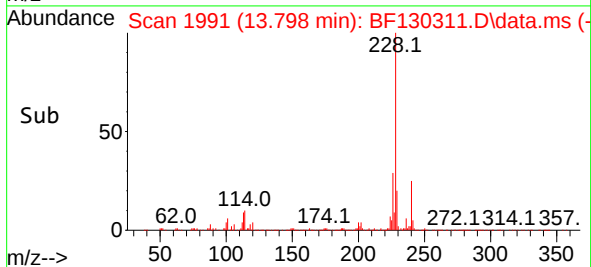
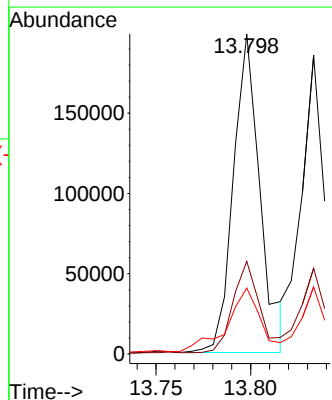
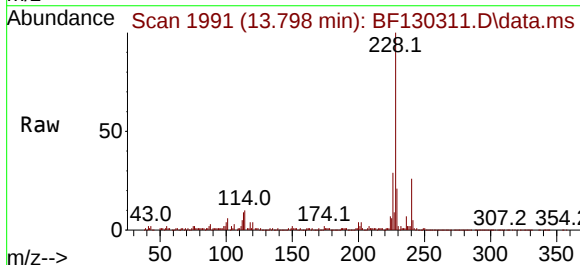
Instrument :
 BNA_F
 ClientSampleId :
 SU-3-091522

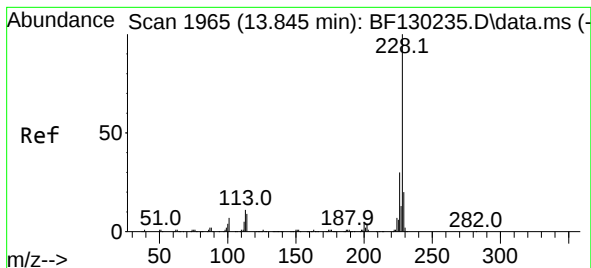
Tgt Ion:244 Resp: 95329
 Ion Ratio Lower Upper
 244 100
 212 8.2 5.9 8.9
 122 11.2 8.5 12.7



#81
 Benzo(a)anthracene
 Concen: 14.136 ng
 RT: 13.798 min Scan# 1991
 Delta R.T. 0.000 min
 Lab File: BF130311.D
 Acq: 17 Sep 2022 02:10

Tgt Ion:228 Resp: 194370
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.9 32.9
 229 20.6 16.1 24.1





#83

Chrysene

Concen: 11.925 ng

RT: 13.833 min Scan# 1965

Delta R.T. -0.006 min

Lab File: BF130311.D

Acq: 17 Sep 2022 02:10

Instrument :

BNA_F

ClientSampleId :

SU-3-091522

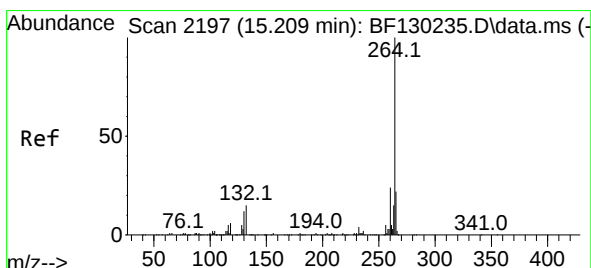
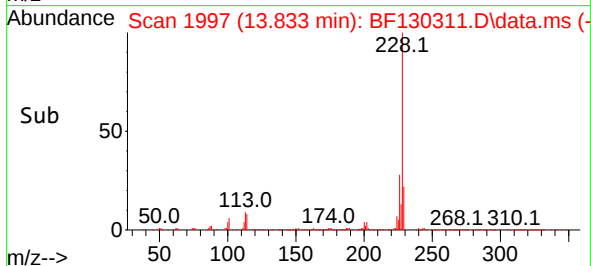
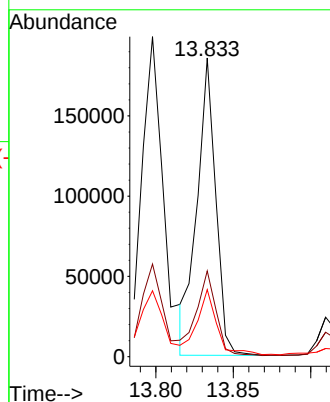
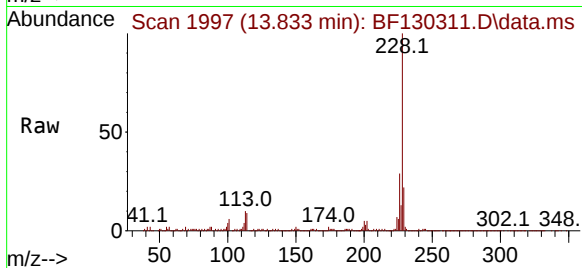
Tgt Ion:228 Resp: 155684

Ion Ratio Lower Upper

228 100

226 28.7 23.8 35.8

229 22.5 15.3 22.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.198 min Scan# 2229

Delta R.T. 0.000 min

Lab File: BF130311.D

Acq: 17 Sep 2022 02:10

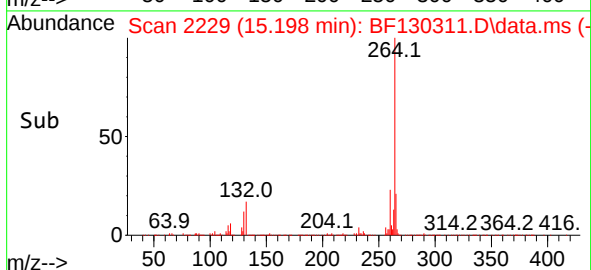
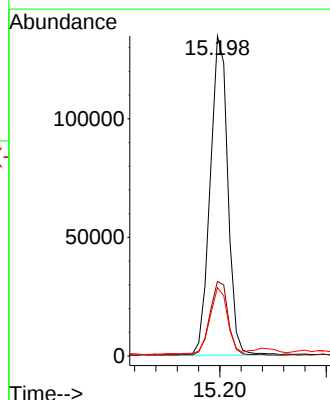
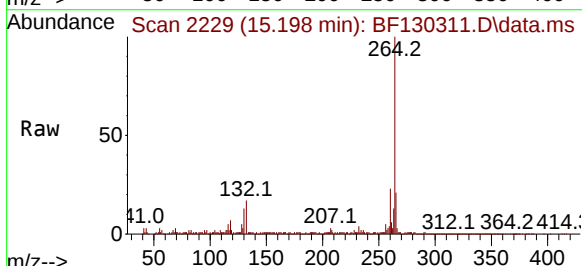
Tgt Ion:264 Resp: 155228

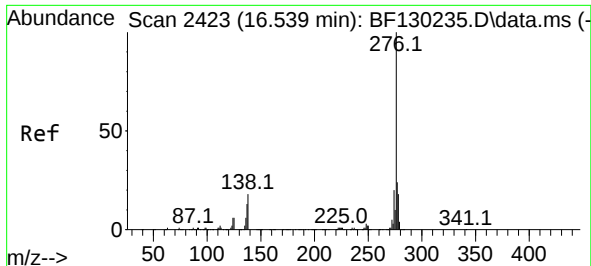
Ion Ratio Lower Upper

264 100

260 23.3 19.3 28.9

265 21.3 17.0 25.4

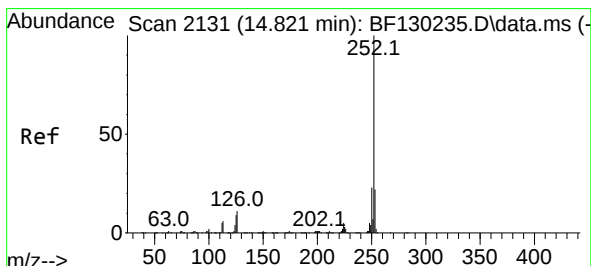
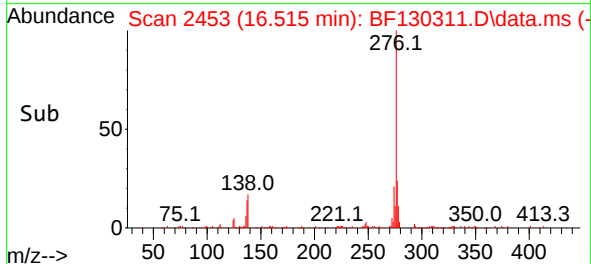
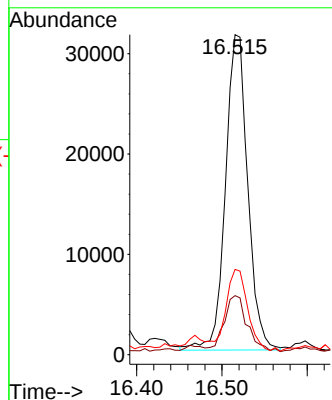
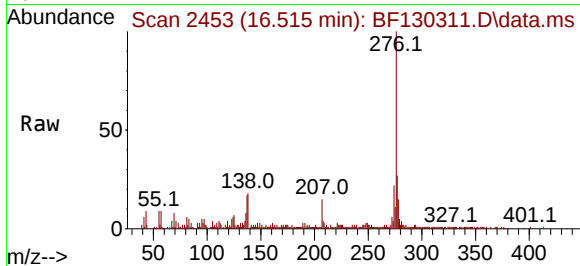




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.191 ng
RT: 16.515 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

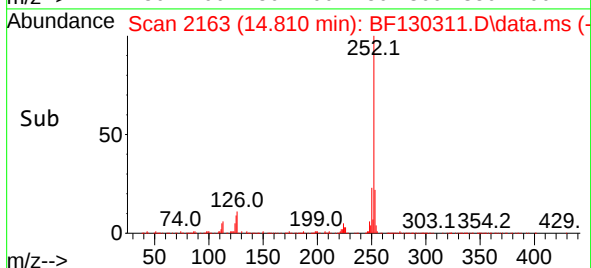
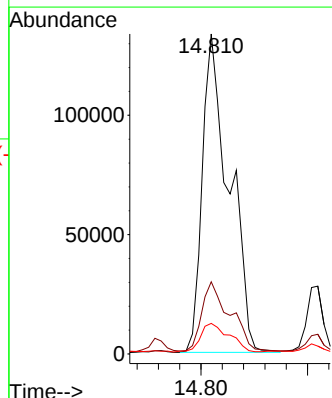
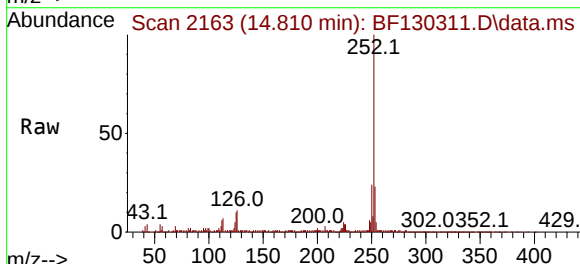
Instrument :
BNA_F
ClientSampleId :
SU-3-091522

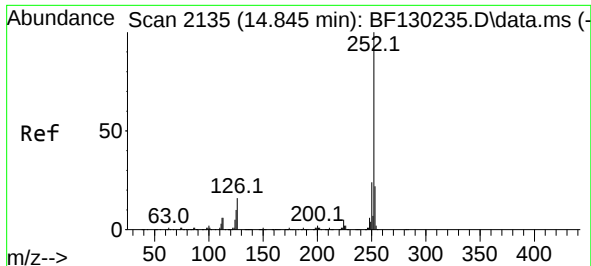
Tgt Ion:276 Resp: 57145
Ion Ratio Lower Upper
276 100
138 18.6 18.5 27.7
277 24.5 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 23.080 ng
RT: 14.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BF130311.D
Acq: 17 Sep 2022 02:10

Tgt Ion:252 Resp: 233834
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 9.5 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 23.462 ng

RT: 14.810 min Scan# 2119

Delta R.T. -0.029 min

Lab File: BF130311.D

Acq: 17 Sep 2022 02:10

Instrument :

BNA_F

ClientSampleId :

SU-3-091522

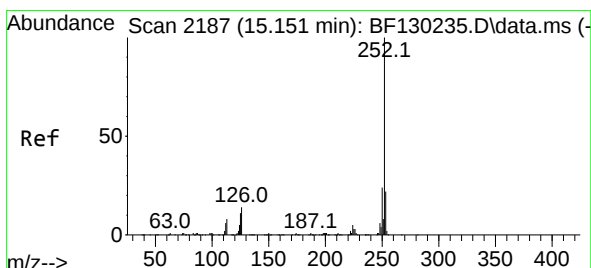
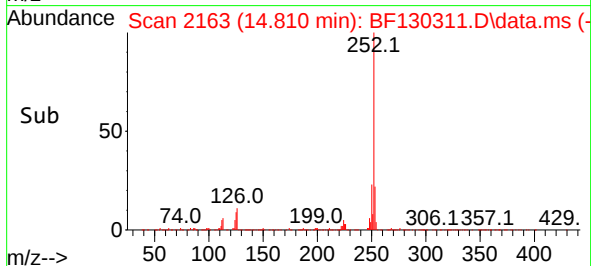
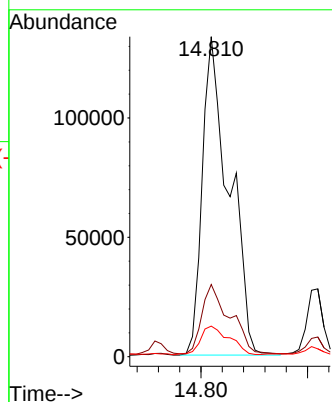
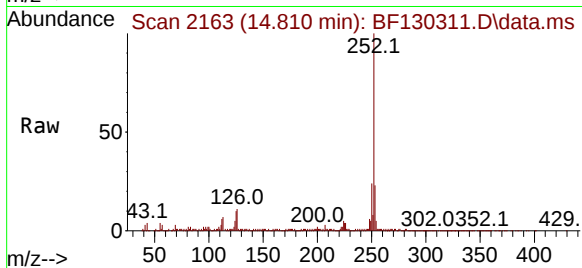
Tgt Ion:252 Resp: 233834

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

125 9.5 7.9 11.9



#90

Benzo(a)pyrene

Concen: 14.426 ng

RT: 15.139 min Scan# 2219

Delta R.T. 0.000 min

Lab File: BF130311.D

Acq: 17 Sep 2022 02:10

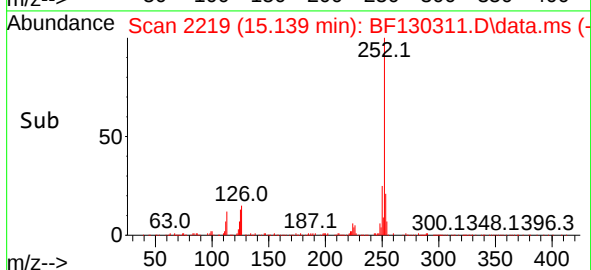
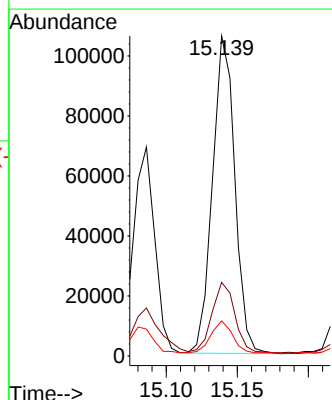
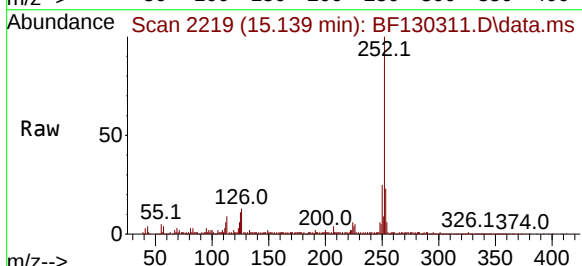
Tgt Ion:252 Resp: 115794

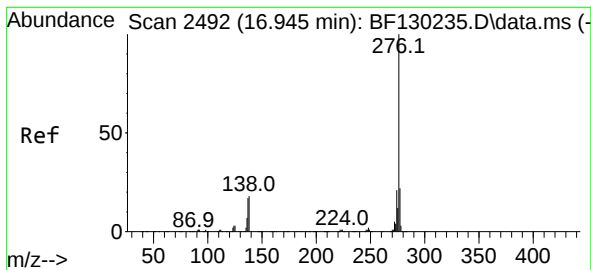
Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

125 11.0 9.0 13.6





#92

Benzo(g,h,i)perylene

Concen: 5.566 ng

RT: 16.915 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF130311.D

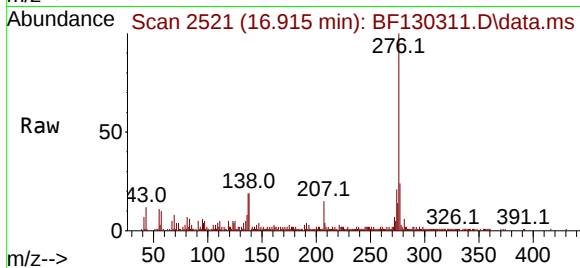
Acq: 17 Sep 2022 02:10

Instrument :

BNA_F

ClientSampleId :

SU-3-091522



Tgt Ion:276 Resp: 50634

Ion Ratio Lower Upper

276 100

277 23.9 18.6 27.8

138 19.5 14.6 21.8

