

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091922\
 Data File : BF130328.D
 Acq On : 19 Sep 2022 19:16
 Operator : CG\JU
 Sample : N4665-02DL2 100X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2DL2

Quant Time: Sep 20 02:27:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 15:06:14 2022
 Response via : Initial Calibration

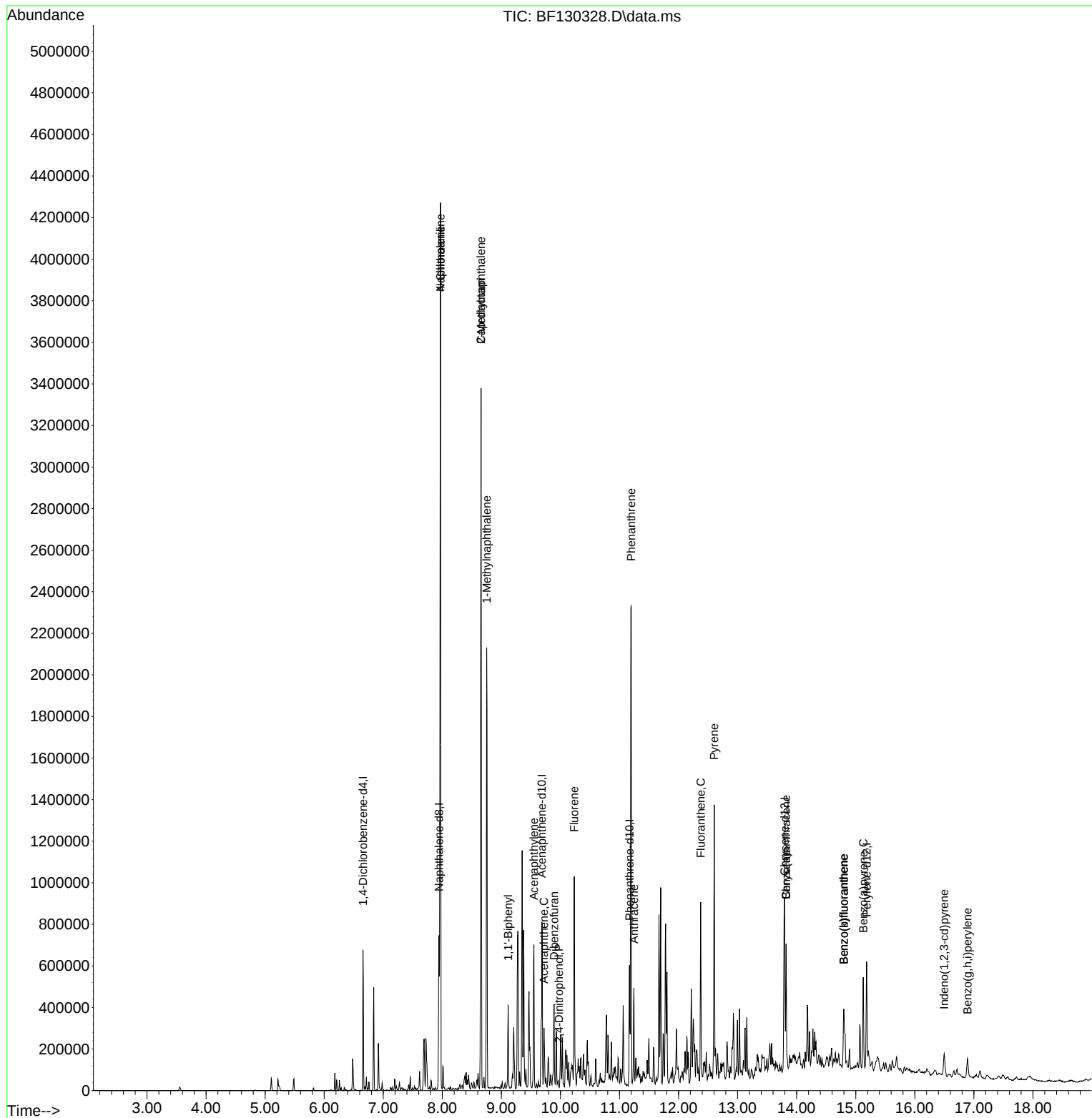
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.657	152	90171	20.000	ng	0.00
21) Naphthalene-d8	7.945	136	331258	20.000	ng	# 0.00
39) Acenaphthene-d10	9.686	164	150263	20.000	ng	0.00
64) Phenanthrene-d10	11.169	188	201919	20.000	ng	0.00
76) Chrysene-d12	13.798	240	174096	20.000	ng	0.00
86) Perylene-d12	15.186	264	209372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.245	112	3853	0.741	ng	-0.01
7) Phenol-d6	6.286	99	4984	0.766	ng	-0.01
23) Nitrobenzene-d5	7.222	82	2746	0.424	ng	-0.01
42) 2,4,6-Tribromophenol	10.474	330	793	0.551	ng	0.00
45) 2-Fluorobiphenyl	9.016	172	5635	0.546	ng	0.00
79) Terphenyl-d14	12.751	244	12396	1.179	ng	0.00
Target Compounds						
31) Naphthalene	7.969	128	1754418	102.802	ng	Qvalue 99
33) 4-Chloroaniline	7.969	127	234264	36.092	ng	# 31
35) Caprolactam	8.657	113	21928	16.796	ng	# 1
37) 2-Methylnaphthalene	8.657	142	828444	76.136	ng	99
38) 1-Methylnaphthalene	8.751	142	534724	51.156	ng	99
46) 1,1'-Biphenyl	9.116	154	106516	9.491	ng	97
49) Acenaphthylene	9.551	152	134839	9.906	ng	# 94
52) Acenaphthene	9.722	154	47135	5.271	ng	98
54) 2,4-Dinitrophenol	9.974	184	130	6.356	ng	94
55) Dibenzofuran	9.892	168	41468	3.334	ng	# 80
58) Fluorene	10.233	166	232867	22.891	ng	99
71) Phenanthrene	11.198	178	893471	78.813	ng	99
72) Anthracene	11.245	178	161823	14.792	ng	98
75) Fluoranthene	12.374	202	283542	25.884	ng	97
78) Pyrene	12.604	202	480252	31.533	ng	99
81) Benzo(a)anthracene	13.821	228	202079	17.448	ng	96
83) Chrysene	13.821	228	202079	18.376	ng	98
87) Indeno(1,2,3-cd)pyrene	16.498	276	60705	4.089	ng	96
88) Benzo(b)fluoranthene	14.798	252	206933	15.143	ng	99
89) Benzo(k)fluoranthene	14.798	252	206933	15.394	ng	99
90) Benzo(a)pyrene	15.127	252	182082	16.818	ng	98
92) Benzo(g,h,i)perylene	16.892	276	63987	5.215	ng	97

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

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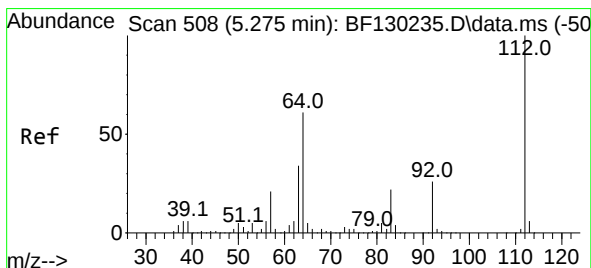
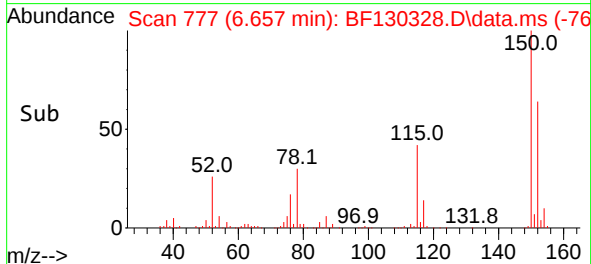
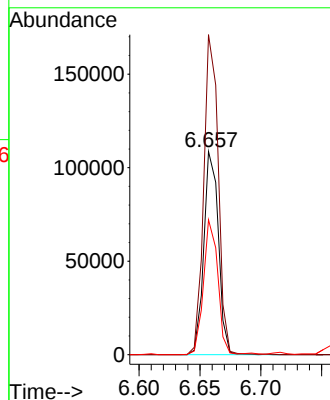
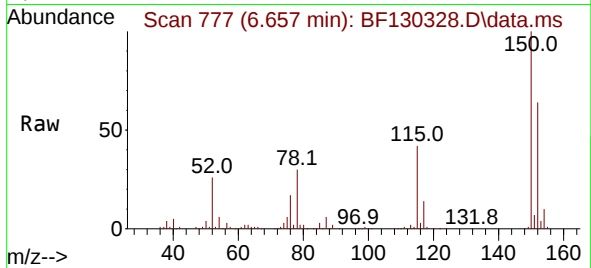




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

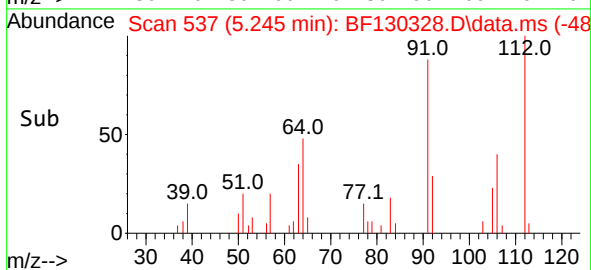
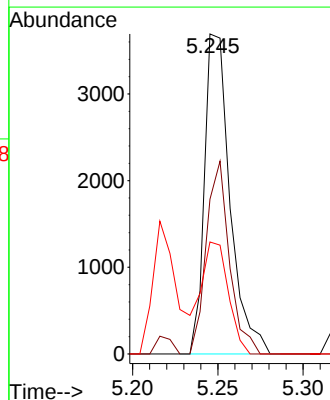
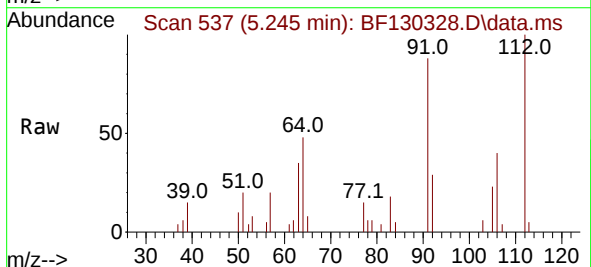
Instrument :
BNA_F
ClientSampleId :
COMP-2DL2

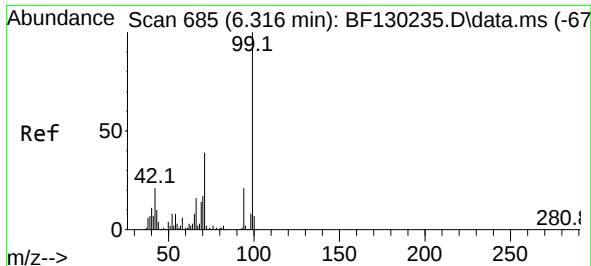
Tgt Ion:152 Resp: 90171
Ion Ratio Lower Upper
152 100
150 157.4 122.8 184.2
115 66.4 53.8 80.8



#5
2-Fluorophenol
Concen: 0.741 ng
RT: 5.245 min Scan# 537
Delta R.T. -0.012 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

Tgt Ion:112 Resp: 3853
Ion Ratio Lower Upper
112 100
64 48.3 51.4 77.0#
63 35.0 28.8 43.2

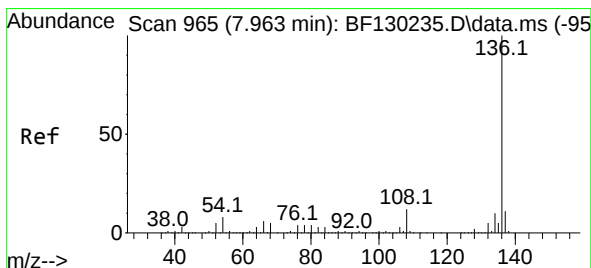
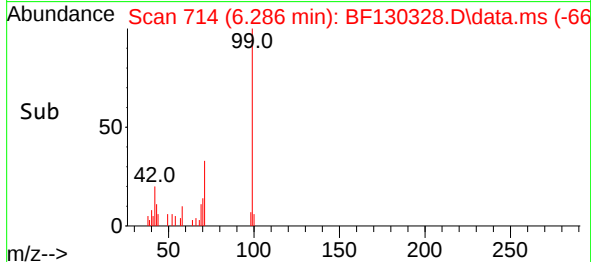
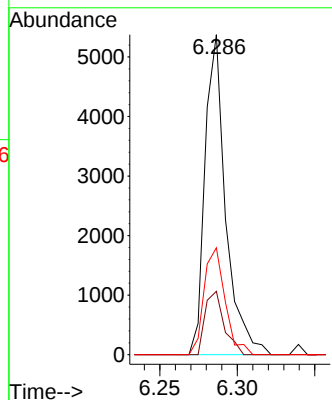
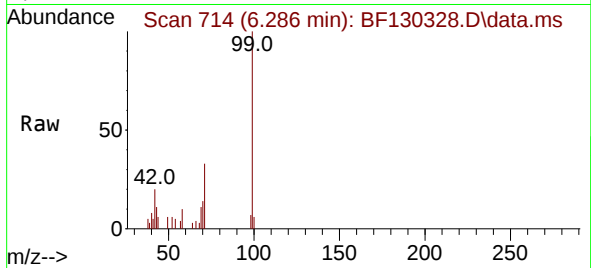




#7
Phenol-d6
Concen: 0.766 ng
RT: 6.286 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

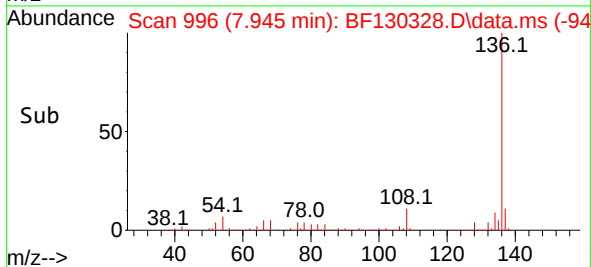
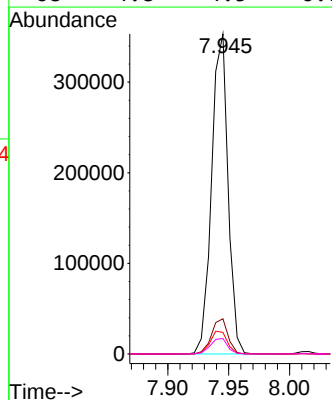
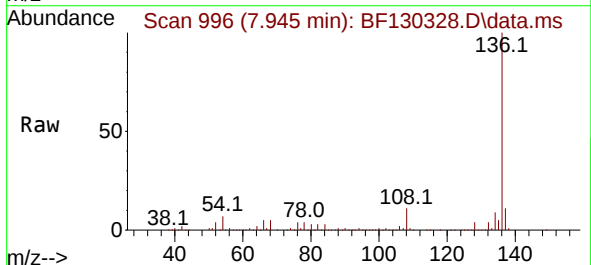
Instrument :
BNA_F
ClientSampleId :
COMP-2DL2

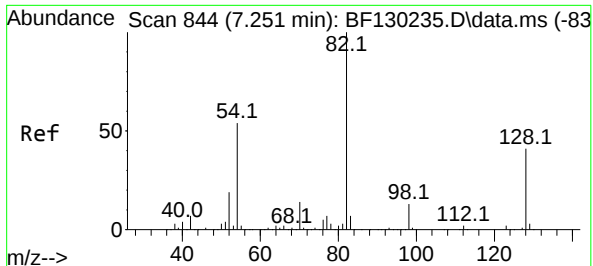
Tgt Ion: 99 Resp: 4984
Ion Ratio Lower Upper
99 100
42 19.8 17.0 25.6
71 33.4 32.3 48.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.945 min Scan# 996
Delta R.T. -0.000 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

Tgt Ion: 136 Resp: 331258
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 6.8 7.1 10.7#
68 4.8 4.5 6.7





#23

Nitrobenzene-d5

Concen: 0.424 ng

RT: 7.222 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

Instrument :

BNA_F

ClientSampleId :

COMP-2DL2

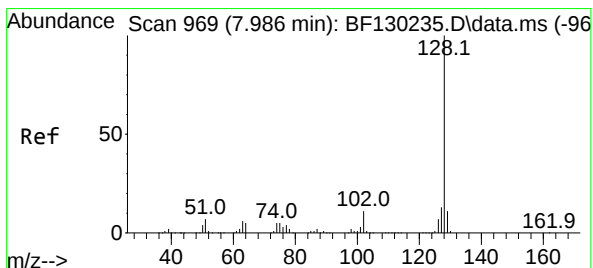
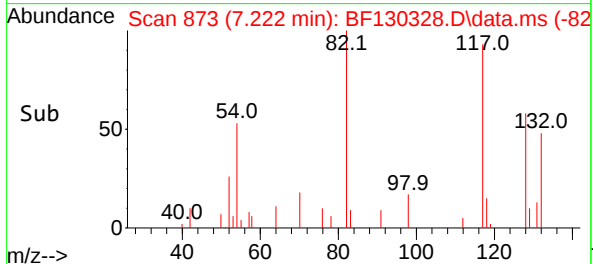
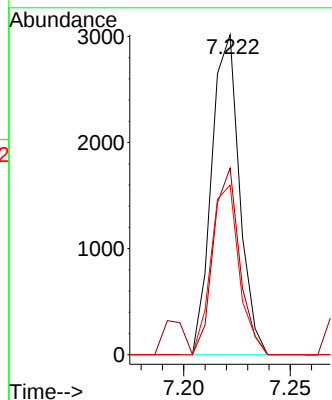
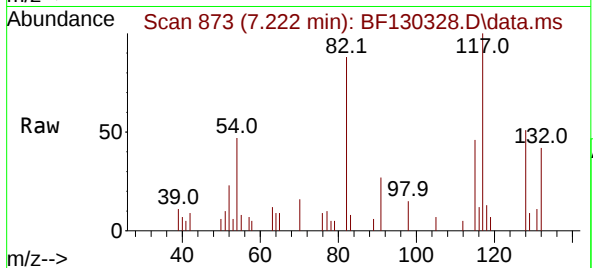
Tgt Ion: 82 Resp: 2746

Ion Ratio Lower Upper

82 100

128 58.3 32.6 49.0#

54 53.0 43.8 65.6



#31

Naphthalene

Concen: 102.802 ng

RT: 7.969 min Scan# 1000

Delta R.T. -0.000 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

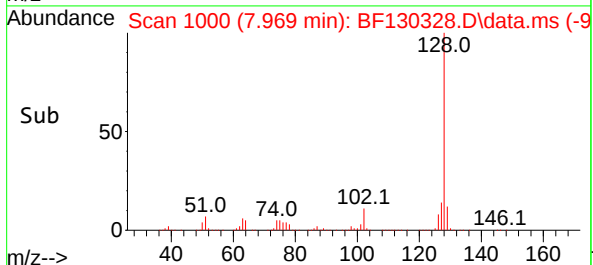
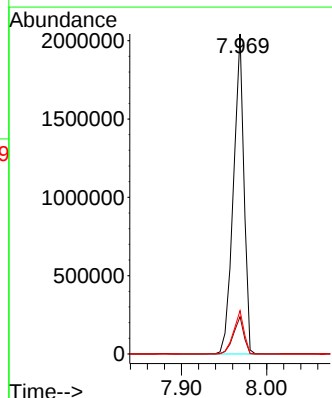
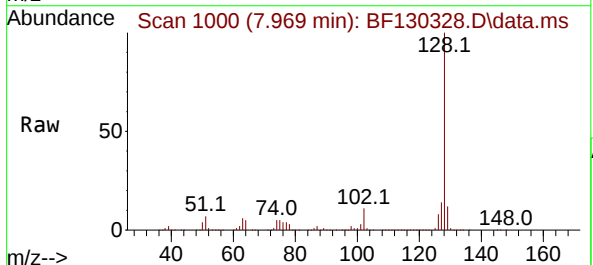
Tgt Ion:128 Resp: 1754418

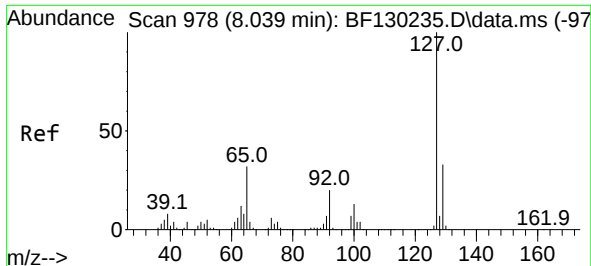
Ion Ratio Lower Upper

128 100

129 11.6 9.1 13.7

127 13.6 10.6 16.0

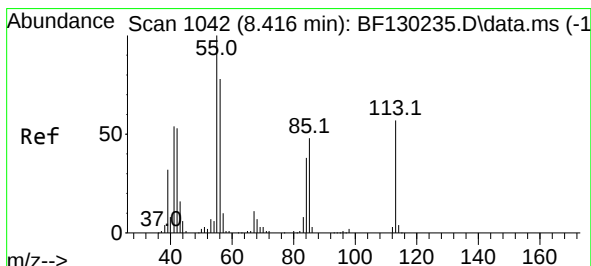
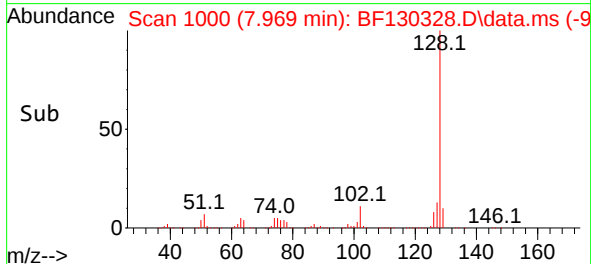
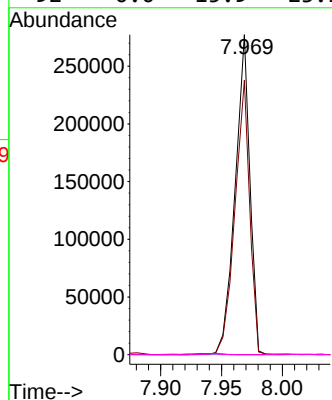
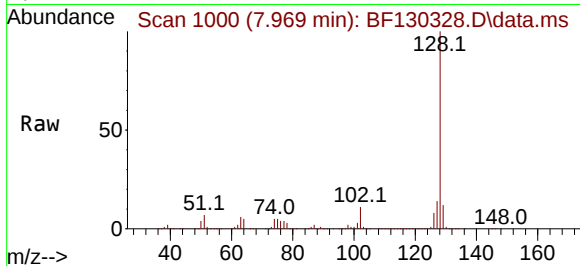




#33
4-Chloroaniline
Concen: 36.092 ng
RT: 7.969 min Scan# 1107
Delta R.T. -0.053 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

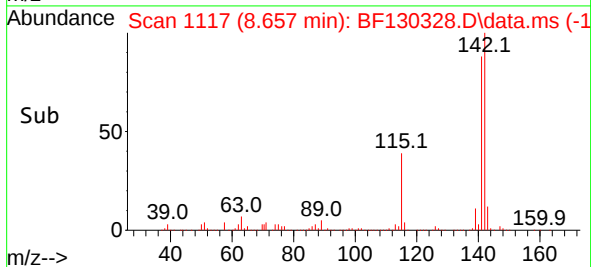
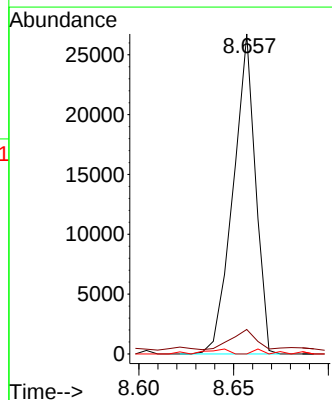
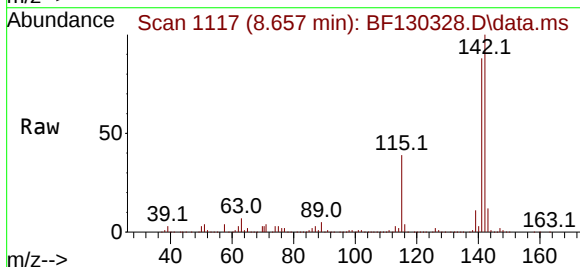
Instrument :
BNA_F
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COMP-2DL2

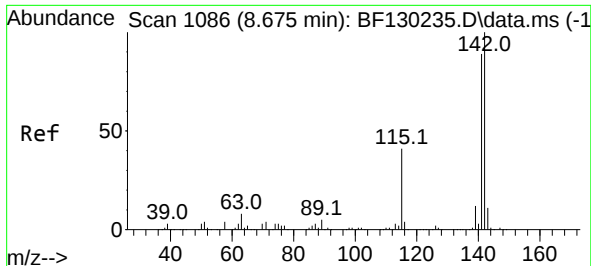
Tgt Ion:	127	Resp:	234264
Ion	Ratio	Lower	Upper
127	100		
129	85.7	25.6	38.4#
65	0.0	27.0	40.6#
92	0.0	15.9	23.9#



#35
Caprolactam
Concen: 16.796 ng
RT: 8.657 min Scan# 1117
Delta R.T. 0.253 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

Tgt Ion:	113	Resp:	21928
Ion	Ratio	Lower	Upper
113	100		
55	7.6	155.4	195.4#
56	0.0	120.4	160.4#





#37

2-Methylnaphthalene

Concen: 76.136 ng

RT: 8.657 min Scan# 1117

Delta R.T. -0.000 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

Instrument :

BNA_F

ClientSampleId :

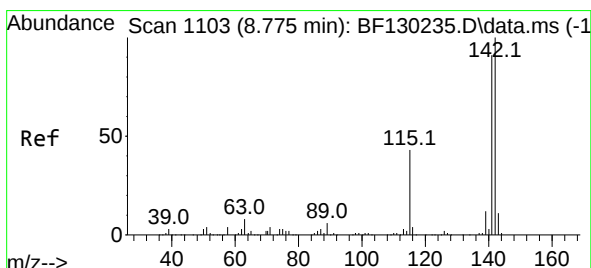
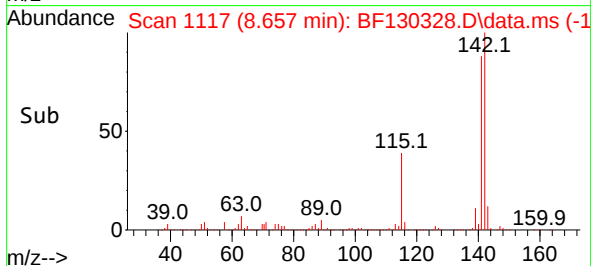
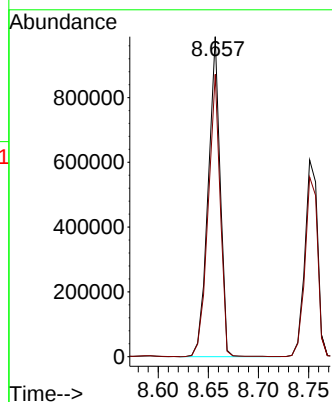
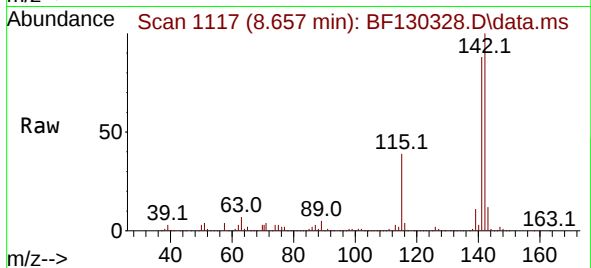
COMP-2DL2

Tgt Ion:142 Resp: 828444

Ion Ratio Lower Upper

142 100

141 88.2 70.0 105.0



#38

1-Methylnaphthalene

Concen: 51.156 ng

RT: 8.751 min Scan# 1133

Delta R.T. -0.006 min

Lab File: BF130328.D

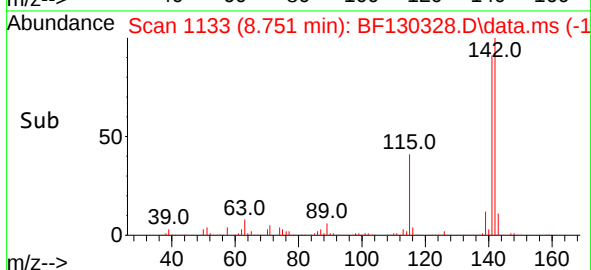
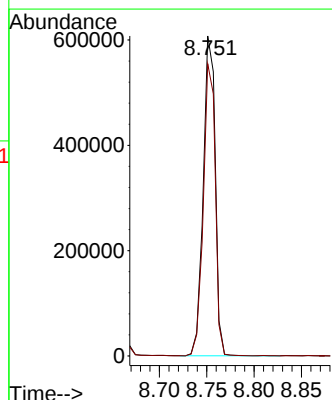
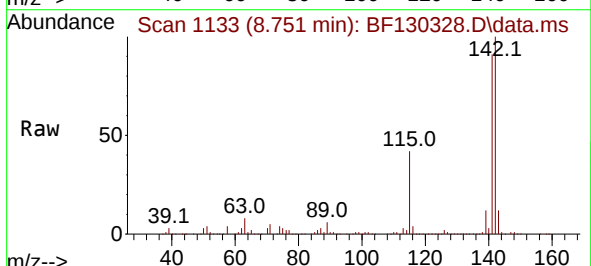
Acq: 19 Sep 2022 19:16

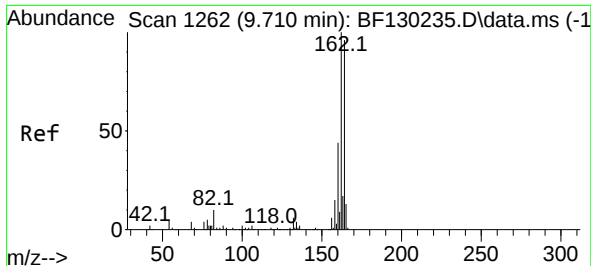
Tgt Ion:142 Resp: 534724

Ion Ratio Lower Upper

142 100

141 91.3 73.8 110.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.686 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

Instrument :

BNA_F

ClientSampleId :

COMP-2DL2

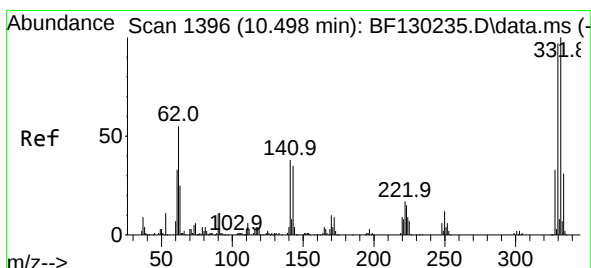
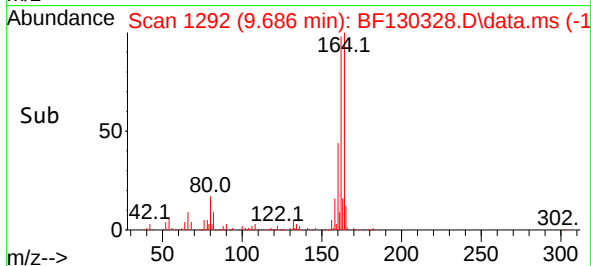
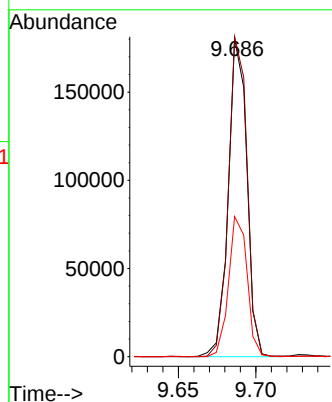
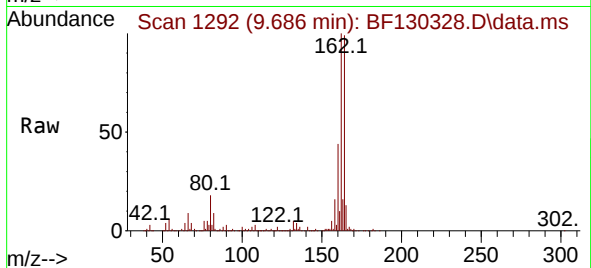
Tgt Ion:164 Resp: 150263

Ion Ratio Lower Upper

164 100

162 100.6 81.4 122.0

160 44.1 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 0.551 ng

RT: 10.474 min Scan# 1426

Delta R.T. -0.006 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

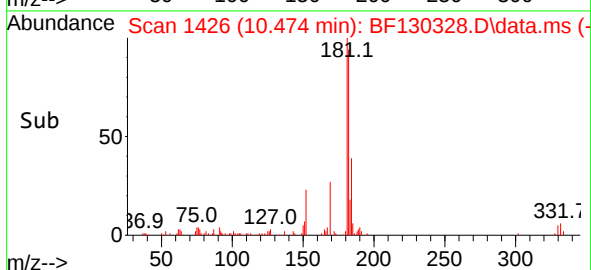
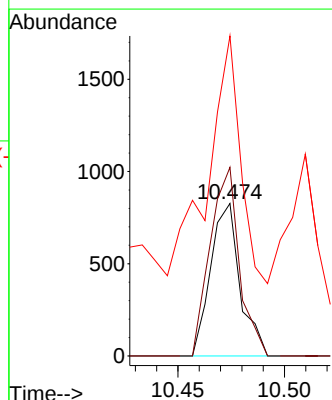
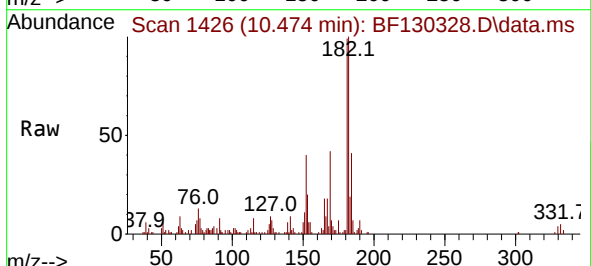
Tgt Ion:330 Resp: 793

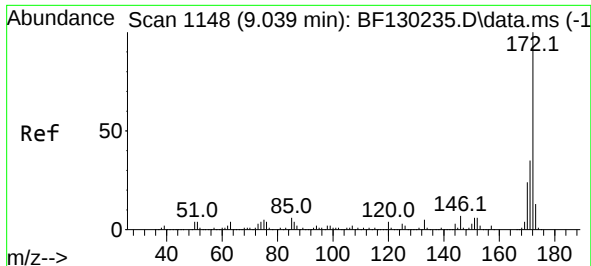
Ion Ratio Lower Upper

330 100

332 123.0 83.4 125.2

141 178.1 34.0 51.0#





#45

2-Fluorobiphenyl

Concen: 0.546 ng

RT: 9.016 min Scan# 1117

Delta R.T. -0.006 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

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COMP-2DL2

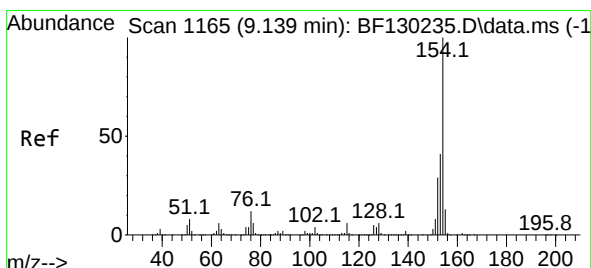
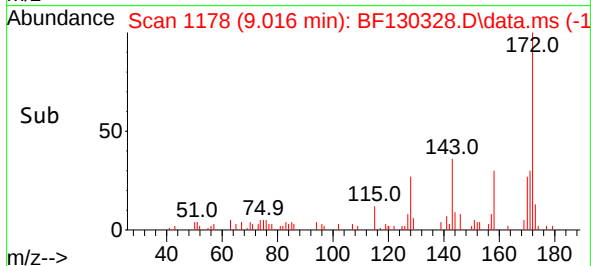
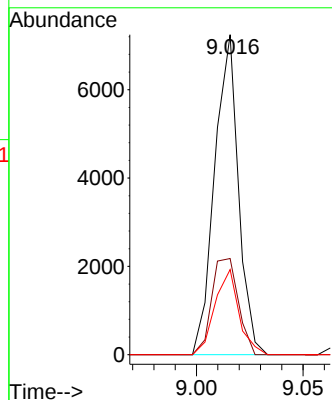
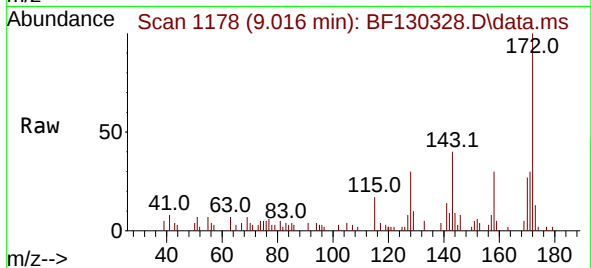
Tgt Ion:172 Resp: 5635

Ion Ratio Lower Upper

172 100

171 30.1 28.3 42.5

170 26.6 18.7 28.1



#46

1,1'-Biphenyl

Concen: 9.491 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

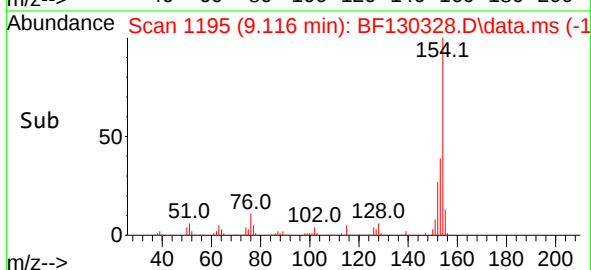
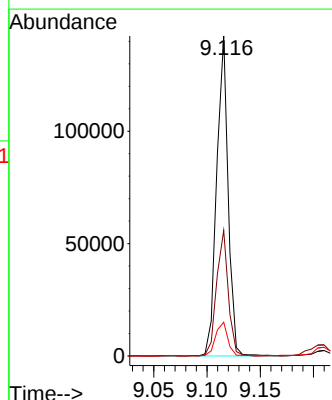
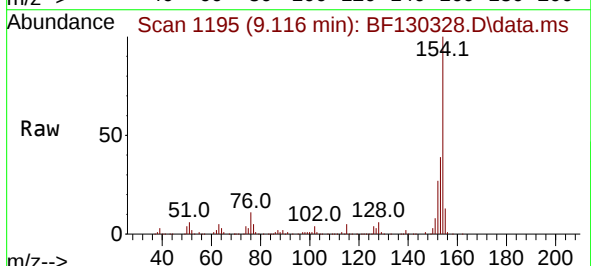
Tgt Ion:154 Resp: 106516

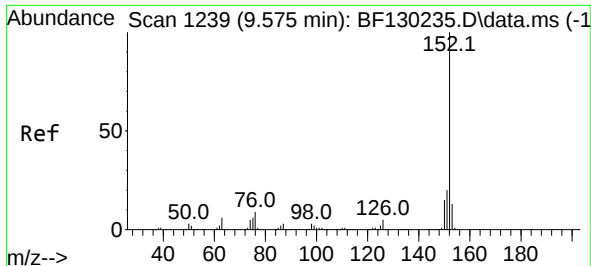
Ion Ratio Lower Upper

154 100

153 39.3 20.0 60.0

76 10.6 0.0 33.3

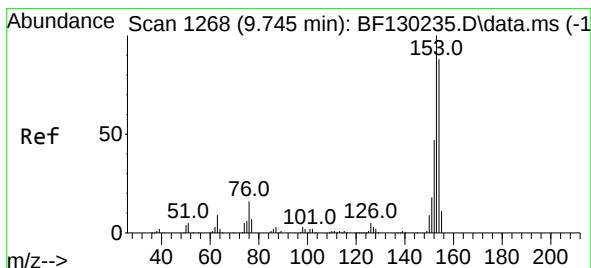
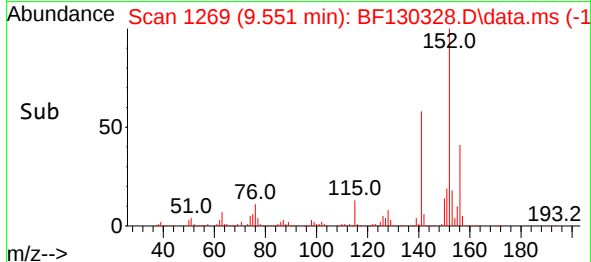
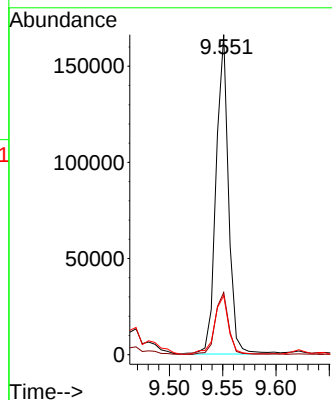
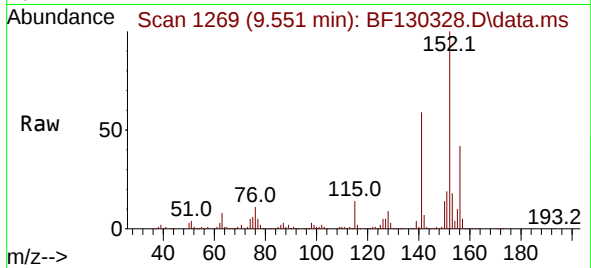




#49
Acenaphthylene
Concen: 9.906 ng
RT: 9.551 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

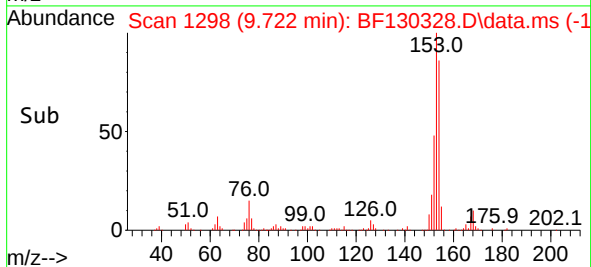
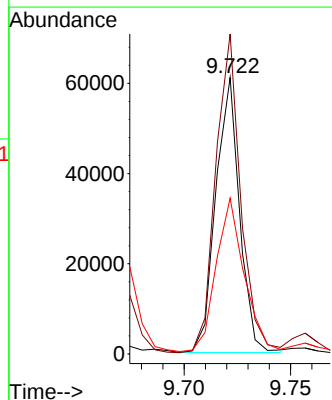
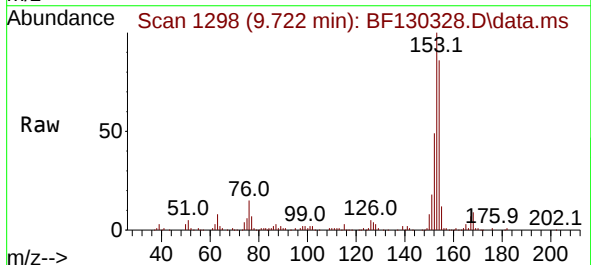
Instrument :
BNA_F
ClientSampleId :
COMP-2DL2

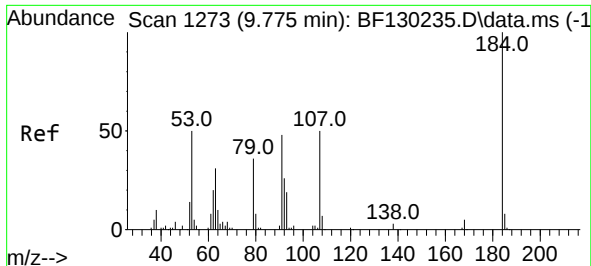
Tgt Ion:152 Resp: 134839
Ion Ratio Lower Upper
152 100
151 19.5 16.2 24.2
153 18.5 10.6 15.8#



#52
Acenaphthene
Concen: 5.271 ng
RT: 9.722 min Scan# 1298
Delta R.T. -0.006 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

Tgt Ion:154 Resp: 47135
Ion Ratio Lower Upper
154 100
153 115.8 90.6 136.0
152 56.4 43.8 65.6





#54

2,4-Dinitrophenol

Concen: 6.356 ng

RT: 9.974 min Scan# 1341

Delta R.T. 0.218 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

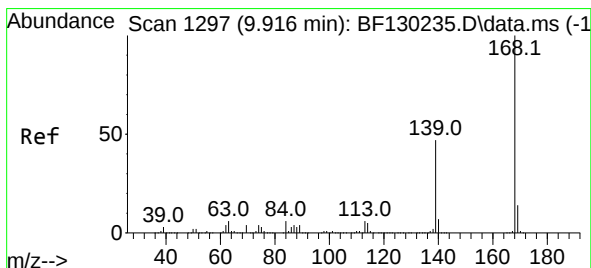
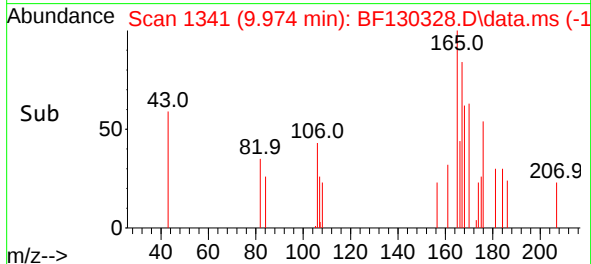
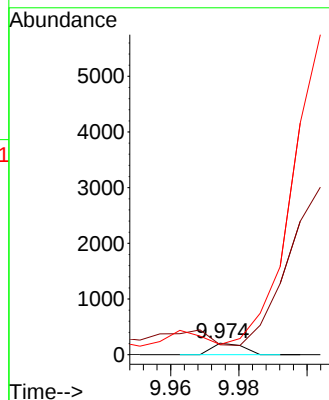
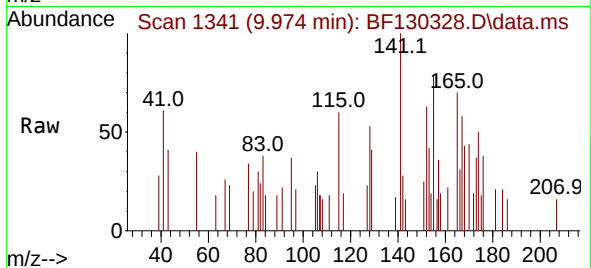
Instrument :

BNA_F

ClientSampleId :

COMP-2DL2

Tgt Ion:184	Resp:	130
Ion Ratio	Lower	Upper
184	100	
63	86.9	70.0 105.0
154	89.8	63.0 94.6



#55

Dibenzofuran

Concen: 3.334 ng

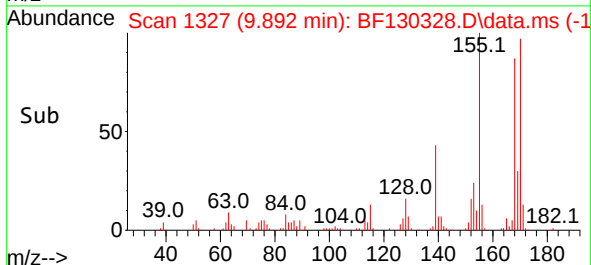
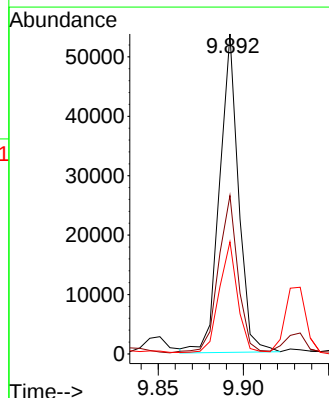
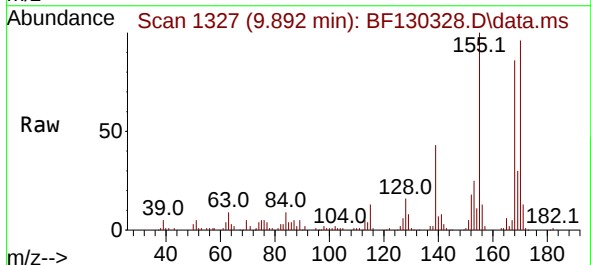
RT: 9.892 min Scan# 1327

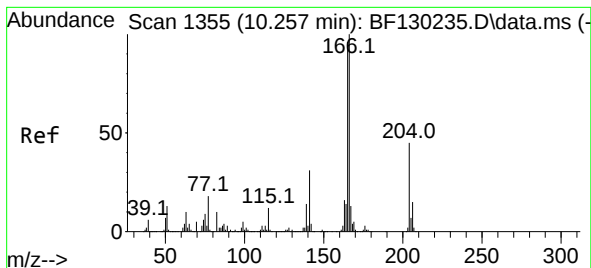
Delta R.T. -0.006 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

Tgt Ion:168	Resp:	41468
Ion Ratio	Lower	Upper
168	100	
139	49.5	35.0 52.4
169	35.1	10.9 16.3





#58

Fluorene

Concen: 22.891 ng

RT: 10.233 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

Instrument :

BNA_F

ClientSampleId :

COMP-2DL2

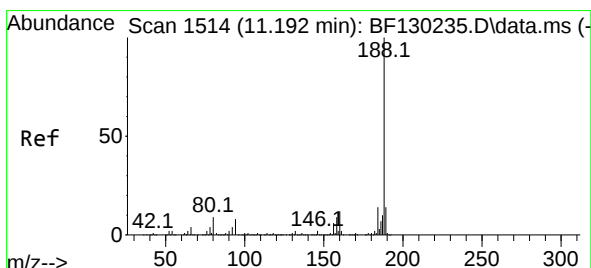
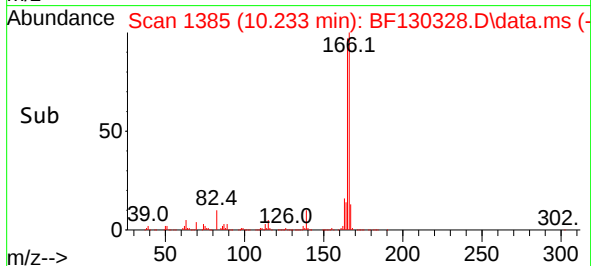
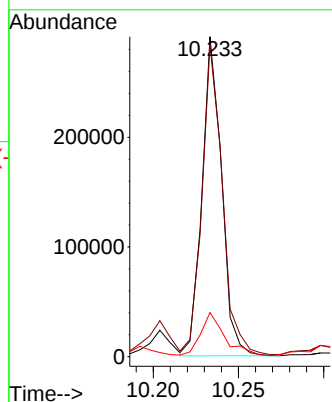
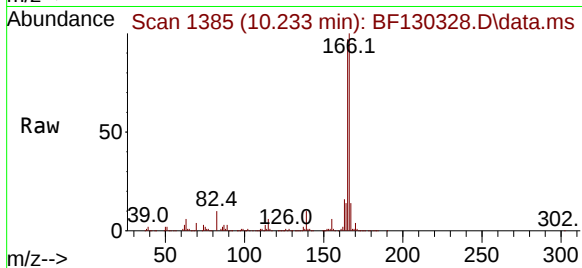
Tgt Ion:166 Resp: 232867

Ion Ratio Lower Upper

166 100

165 97.5 78.8 118.2

167 13.8 10.6 15.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.169 min Scan# 1544

Delta R.T. -0.006 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

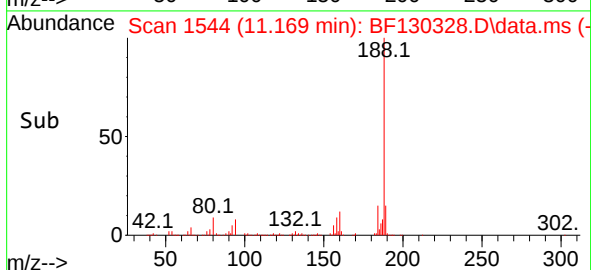
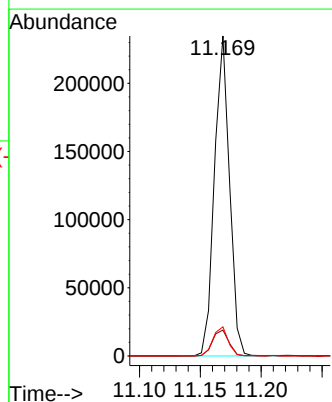
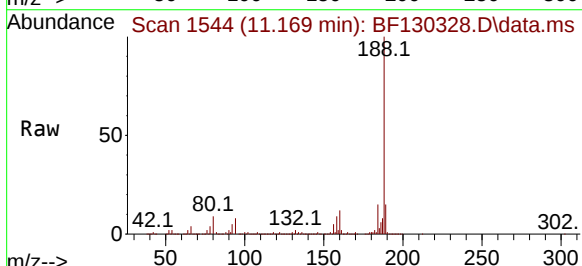
Tgt Ion:188 Resp: 201919

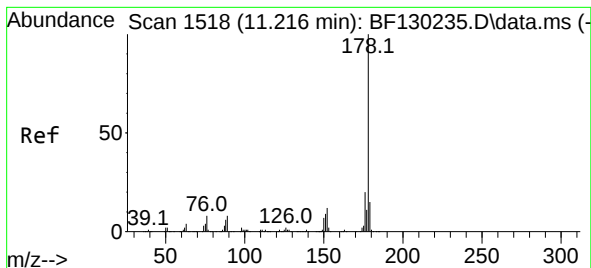
Ion Ratio Lower Upper

188 100

94 8.1 7.4 11.2

80 9.1 7.9 11.9





#71

Phenanthrene

Concen: 78.813 ng

RT: 11.198 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

Instrument :

BNA_F

ClientSampleId :

COMP-2DL2

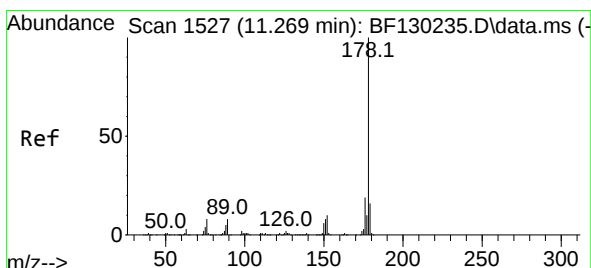
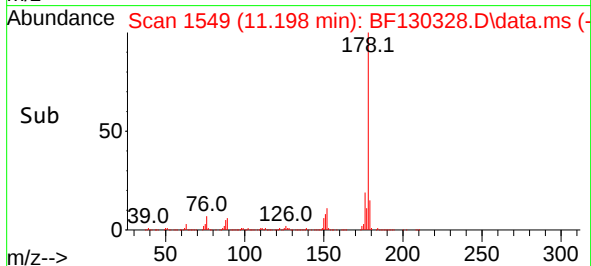
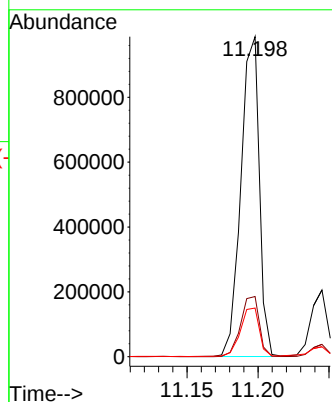
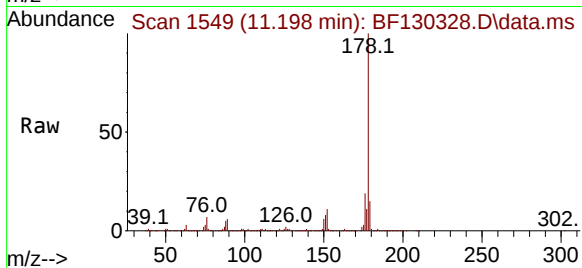
Tgt Ion:178 Resp: 893471

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

179 15.2 12.4 18.6



#72

Anthracene

Concen: 14.792 ng

RT: 11.245 min Scan# 1557

Delta R.T. -0.006 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

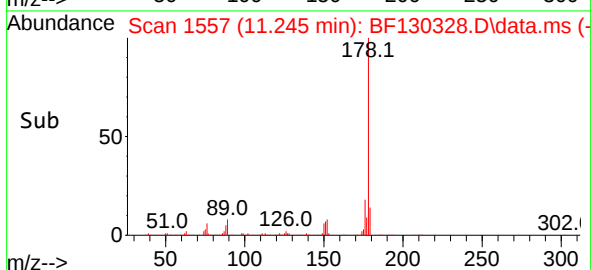
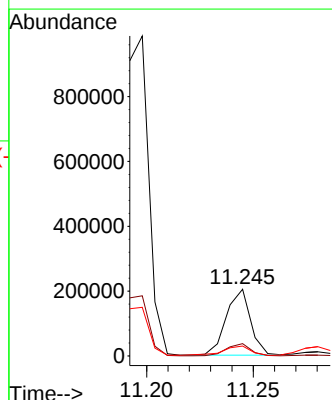
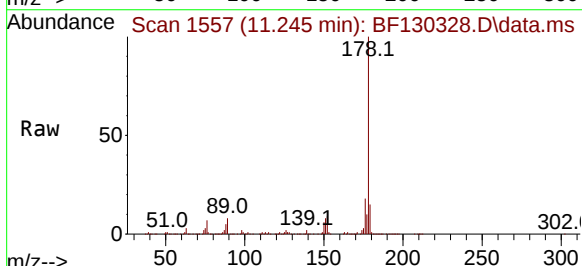
Tgt Ion:178 Resp: 161823

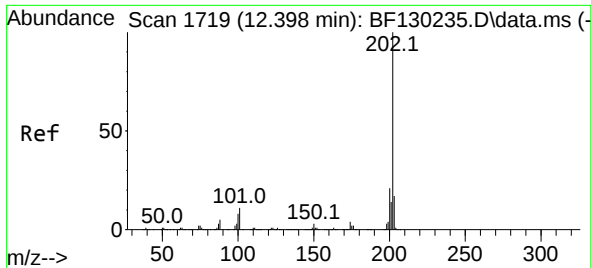
Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.6

179 14.8 12.7 19.1

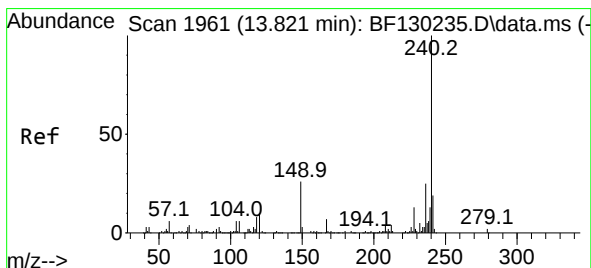
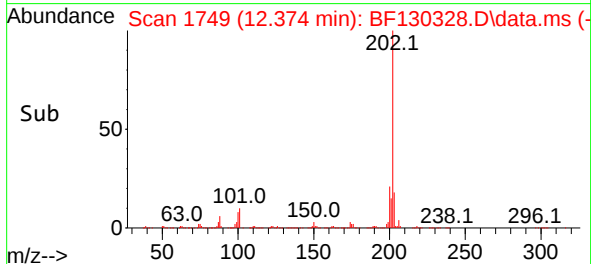
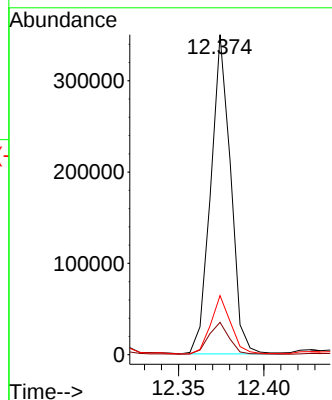
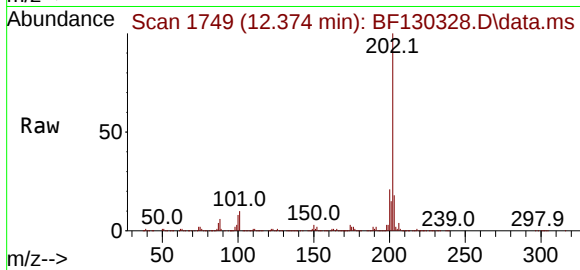




#75
Fluoranthene
Concen: 25.884 ng
RT: 12.374 min Scan# 1719
Delta R.T. -0.006 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

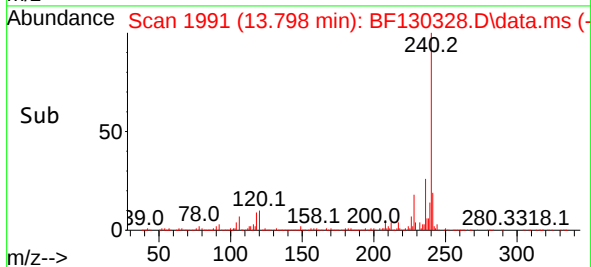
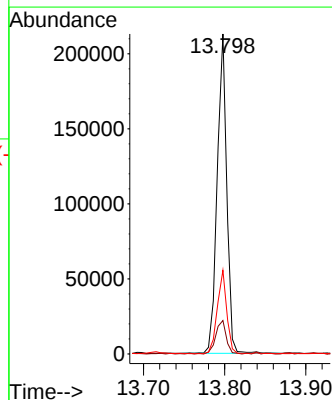
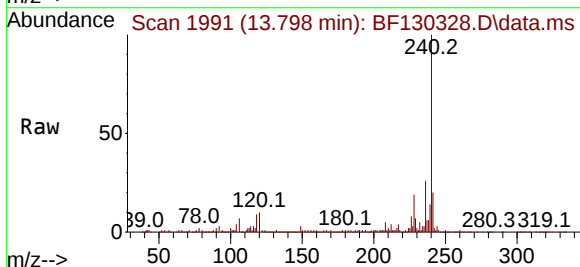
Instrument :
BNA_F
ClientSampleId :
COMP-2DL2

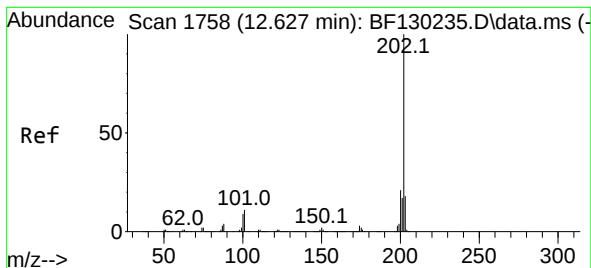
Tgt Ion:202 Resp: 283542
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.8
203 18.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.798 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

Tgt Ion:240 Resp: 174096
Ion Ratio Lower Upper
240 100
120 10.5 8.7 13.1
236 26.1 20.9 31.3





#78

Pyrene

Concen: 31.533 ng

RT: 12.604 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

Instrument :

BNA_F

ClientSampleId :

COMP-2DL2

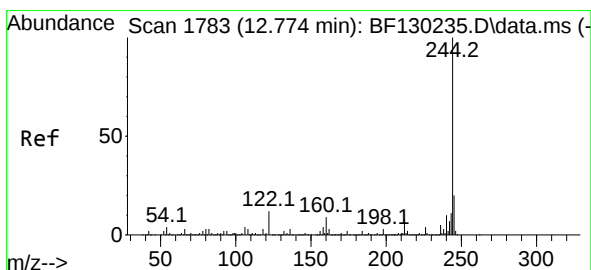
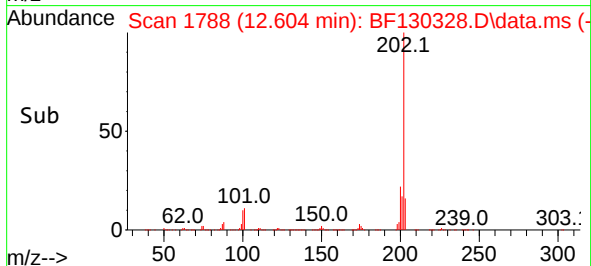
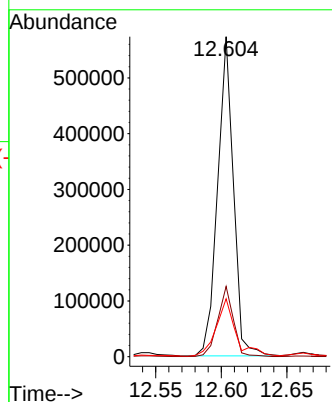
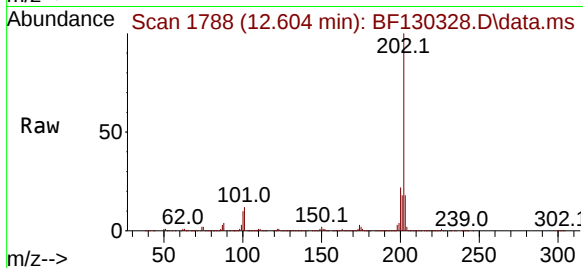
Tgt Ion:202 Resp: 480252

Ion Ratio Lower Upper

202 100

200 21.9 17.2 25.8

203 18.1 14.3 21.5



#79

Terphenyl-d14

Concen: 1.179 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

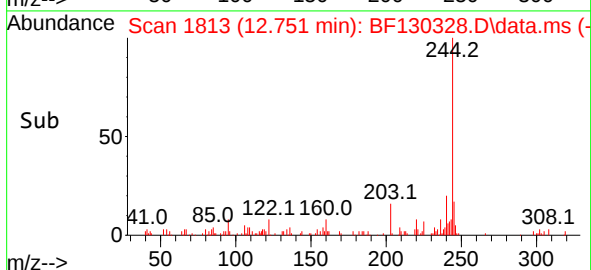
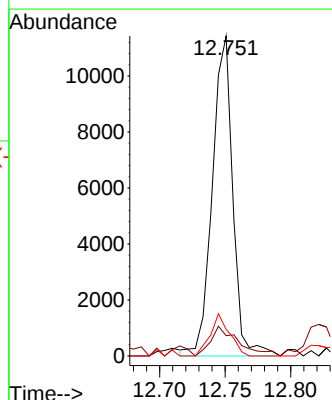
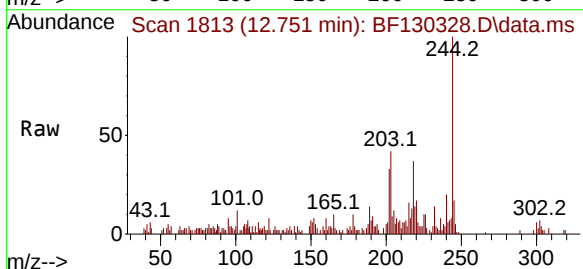
Tgt Ion:244 Resp: 12396

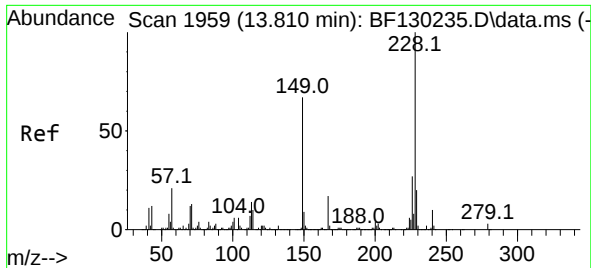
Ion Ratio Lower Upper

244 100

212 6.3 5.9 8.9

122 8.3 8.5 12.7#

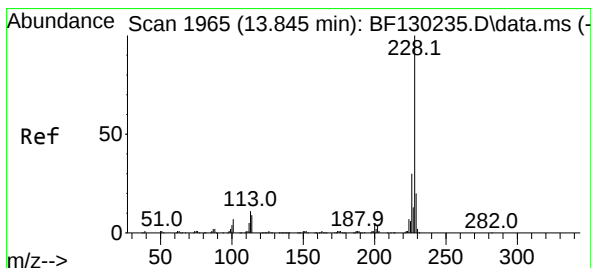
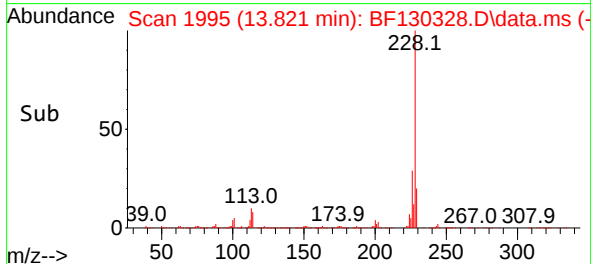
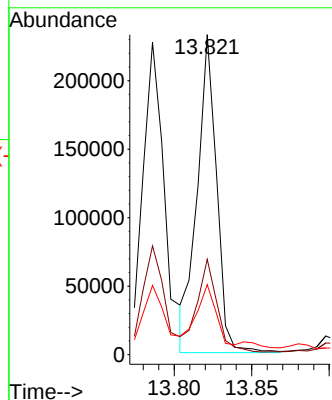
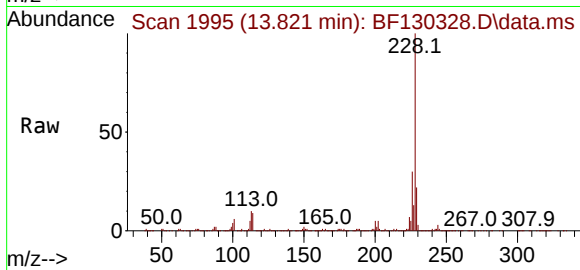




#81
Benzo(a)anthracene
Concen: 17.448 ng
RT: 13.821 min Scan# 1995
Delta R.T. 0.029 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

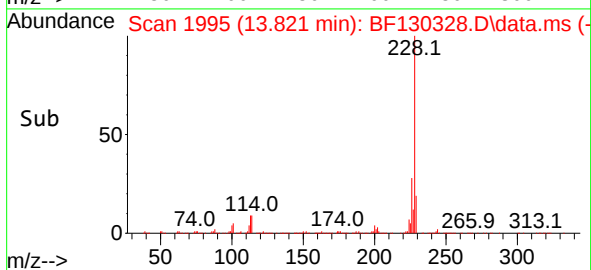
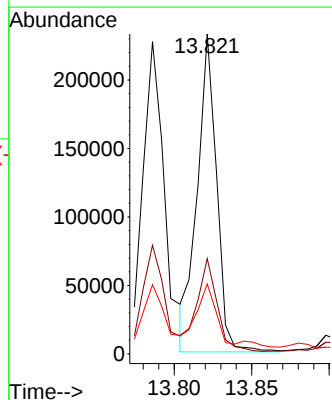
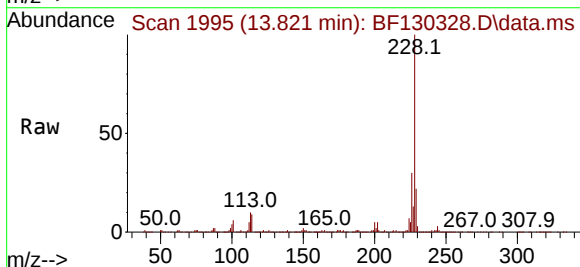
Instrument :
BNA_F
ClientSampleId :
COMP-2DL2

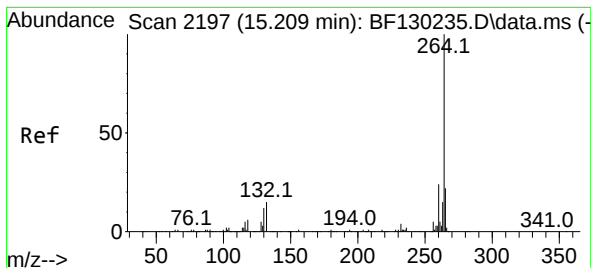
Tgt Ion:228 Resp: 202079
Ion Ratio Lower Upper
228 100
226 29.8 21.9 32.9
229 21.9 16.1 24.1



#83
Chrysene
Concen: 18.376 ng
RT: 13.821 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

Tgt Ion:228 Resp: 202079
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.8
229 21.9 15.3 22.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

Instrument :

BNA_F

ClientSampleId :

COMP-2DL2

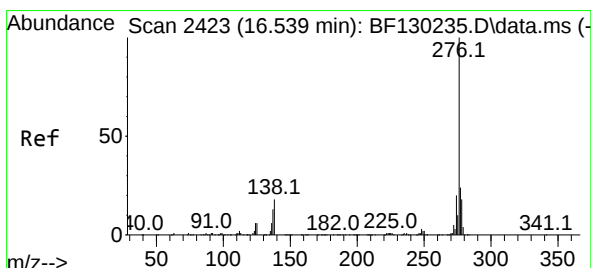
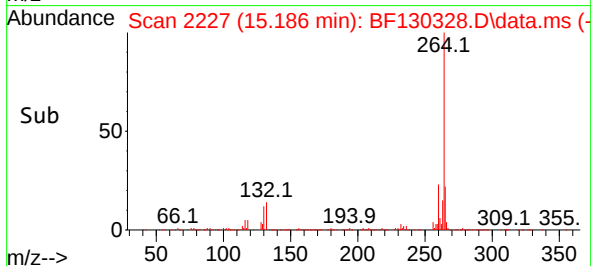
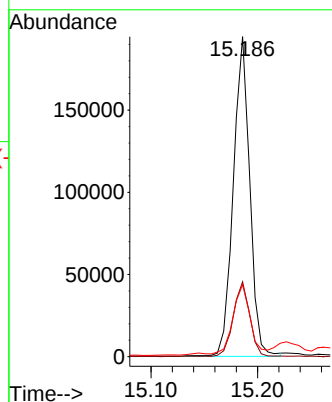
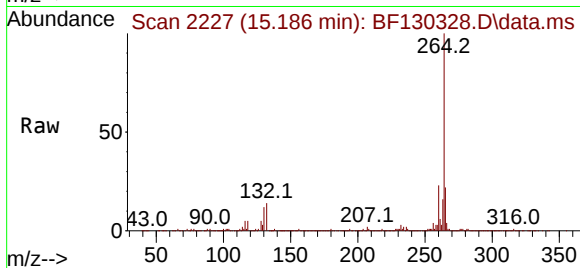
Tgt Ion:264 Resp: 209372

Ion Ratio Lower Upper

264 100

260 23.4 19.3 28.9

265 22.5 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.089 ng

RT: 16.498 min Scan# 2450

Delta R.T. -0.012 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

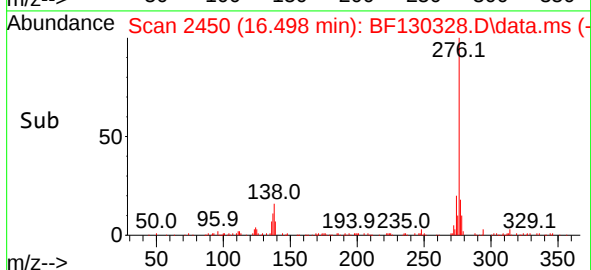
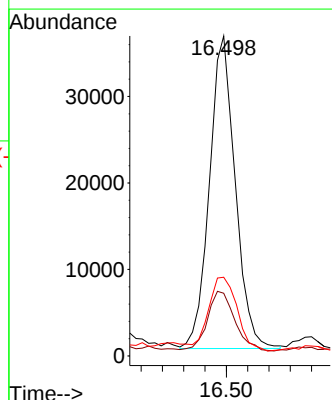
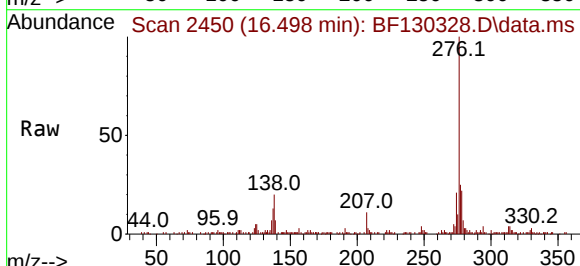
Tgt Ion:276 Resp: 60705

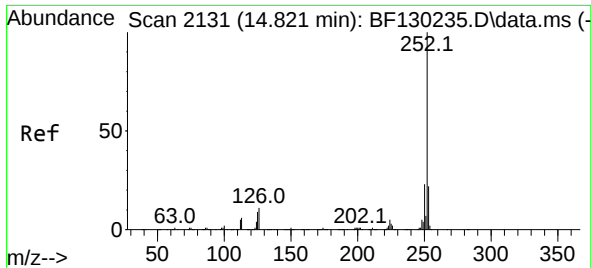
Ion Ratio Lower Upper

276 100

138 20.4 18.5 27.7

277 26.5 20.2 30.4

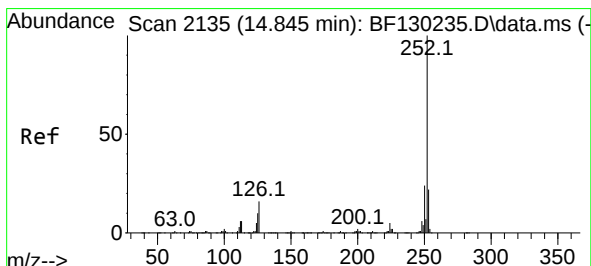
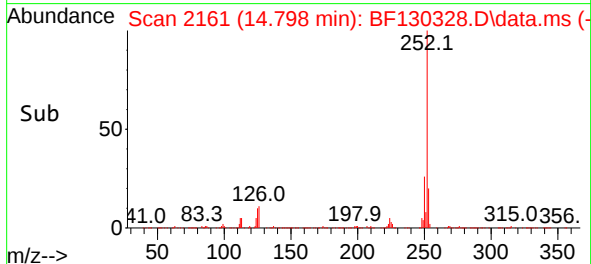
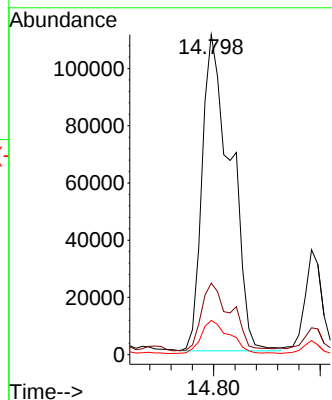
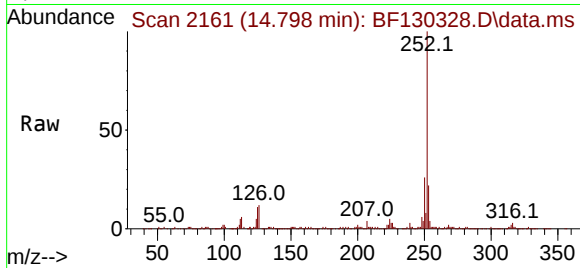




#88
Benzo(b)fluoranthene
Concen: 15.143 ng
RT: 14.798 min Scan# 2161
Delta R.T. -0.000 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

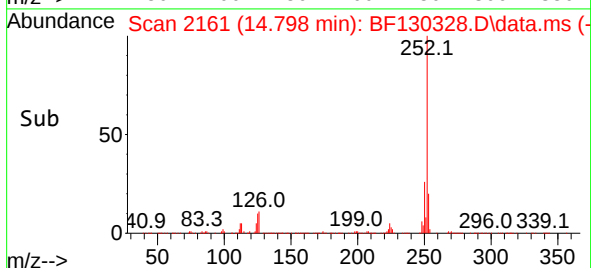
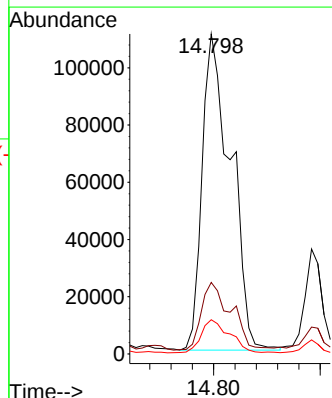
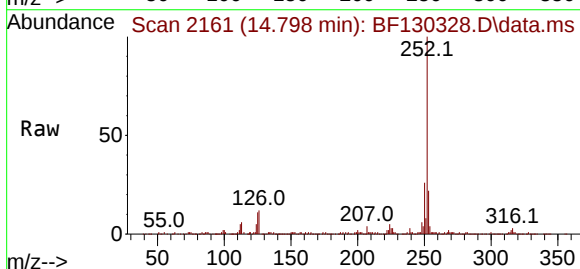
Instrument :
BNA_F
ClientSampleId :
COMP-2DL2

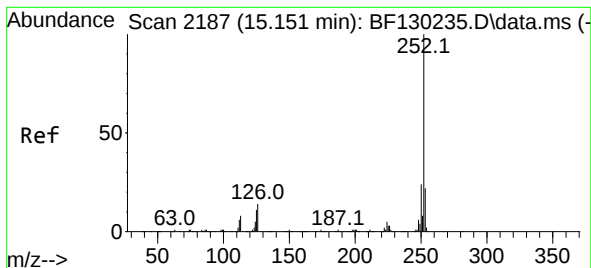
Tgt Ion:252 Resp: 206933
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 10.7 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 15.394 ng
RT: 14.798 min Scan# 2161
Delta R.T. -0.030 min
Lab File: BF130328.D
Acq: 19 Sep 2022 19:16

Tgt Ion:252 Resp: 206933
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 10.7 7.9 11.9





#90

Benzo(a)pyrene

Concen: 16.818 ng

RT: 15.127 min Scan# 2187

Delta R.T. -0.006 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

Instrument :

BNA_F

ClientSampleId :

COMP-2DL2

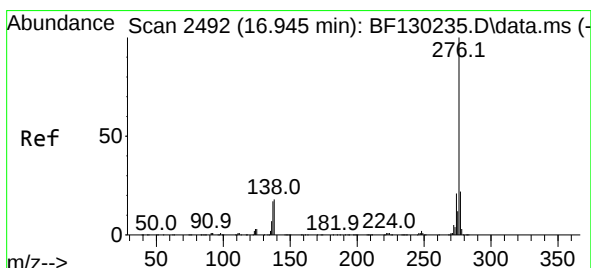
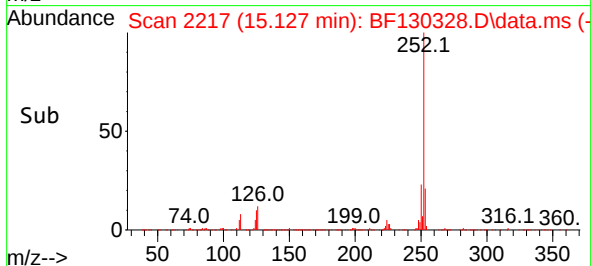
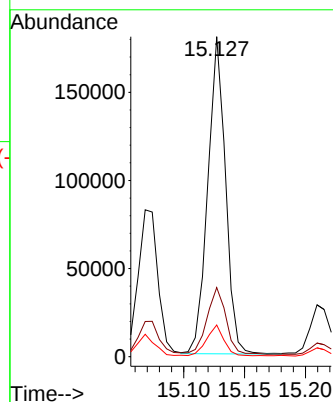
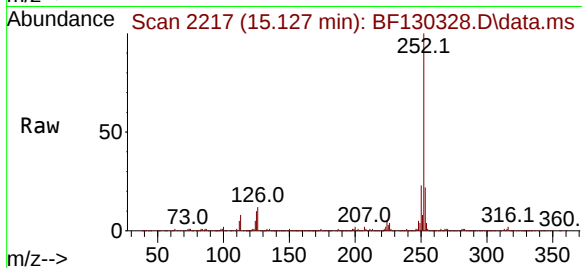
Tgt Ion:252 Resp: 182082

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

125 9.9 9.0 13.6



#92

Benzo(g,h,i)perylene

Concen: 5.215 ng

RT: 16.892 min Scan# 2517

Delta R.T. -0.018 min

Lab File: BF130328.D

Acq: 19 Sep 2022 19:16

Tgt Ion:276 Resp: 63987

Ion Ratio Lower Upper

276 100

277 24.5 18.6 27.8

138 19.9 14.6 21.8

