

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
 Data File : BF136292.D
 Acq On : 29 Nov 2023 19:46
 Operator : CG\JU
 Sample : 05492-01DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-13DL

Quant Time: Nov 29 23:48:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

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

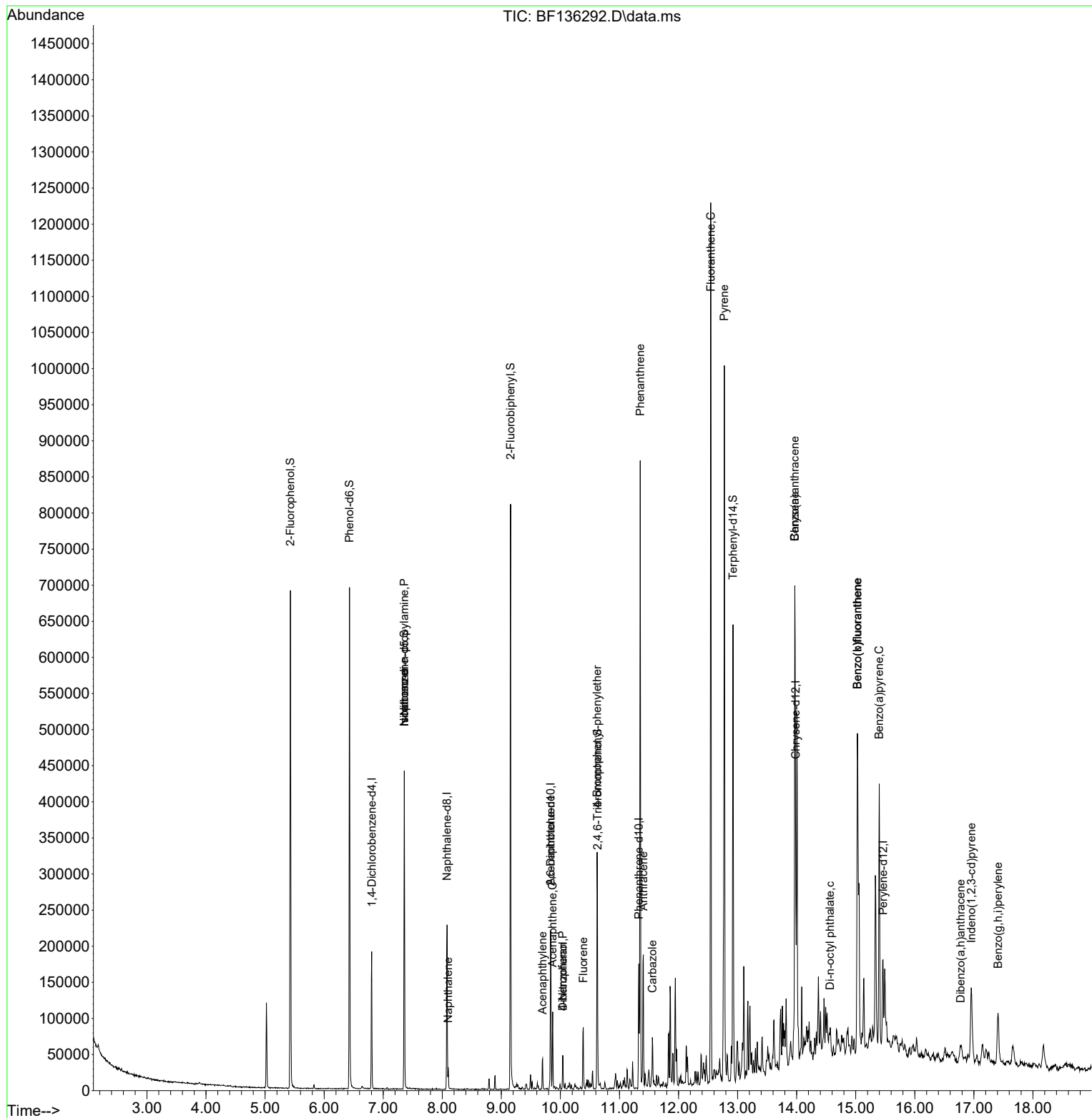
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	25998	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	97709	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	43341	20.000	ng	-0.01
64) Phenanthrene-d10	11.328	188	62900	20.000	ng	0.00
76) Chrysene-d12	13.980	240	55691	20.000	ng	-0.01
86) Perylene-d12	15.463	264	58768	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	170979	91.537	ng	-0.01
7) Phenol-d6	6.428	99	207692	88.927	ng	-0.02
23) Nitrobenzene-d5	7.357	82	120358	65.092	ng	-0.02
42) 2,4,6-Tribromophenol	10.628	330	37889	71.505	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	238832	70.386	ng	-0.01
79) Terphenyl-d14	12.922	244	186640	38.657	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	15294	10.949	ng	# 73
25) Isophorone	7.357	82	120356	36.099	ng	# 68
31) Naphthalene	8.098	128	12275	2.235	ng	96
49) Acenaphthylene	9.698	152	16447	3.883	ng	# 97
51) 2,6-Dinitrotoluene	9.834	165	5547	8.289	ng	# 25
52) Acenaphthene	9.869	154	20424	7.630	ng	93
55) Dibenzofuran	10.039	168	13531	3.397	ng	# 92
56) 4-Nitrophenol	10.039	139	5071	10.055	ng	# 5
58) Fluorene	10.386	166	24437	7.822	ng	88
67) 4-Bromophenyl-phenylether	10.622	248	2298	3.132	ng	# 1
71) Phenanthrene	11.351	178	300399	84.972	ng	98
72) Anthracene	11.404	178	71676	20.218	ng	97
73) Carbazole	11.557	167	27068	8.977	ng	97
75) Fluoranthene	12.545	202	458647	127.796	ng	95
78) Pyrene	12.774	202	367516	60.257	ng	96
81) Benzo(a)anthracene	13.969	228	236013	57.056	ng	98
83) Chrysene	13.969	228	236013	59.092	ng	93
85) Di-n-octyl phthalate	14.563	149	481	5.278	ng	# 49
87) Indeno(1,2,3-cd)pyrene	16.957	276	71882	18.129	ng	97
88) Benzo(b)fluoranthene	15.027	252	334549	81.141	ng	# 96
89) Benzo(k)fluoranthene	15.027	252	334549	85.433	ng	# 95
90) Benzo(a)pyrene	15.398	252	165761	49.180	ng	96
91) Dibenzo(a,h)anthracene	16.774	278	14240	6.524	ng	95
92) Benzo(g,h,i)perylene	17.409	276	60460	18.314	ng	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136292.D
Acq On : 29 Nov 2023 19:46
Operator : CG\JU
Sample : 05492-01DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-13DL

Quant Time: Nov 29 23:48:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 28 03:04:20 2023
Response via : Initial Calibration

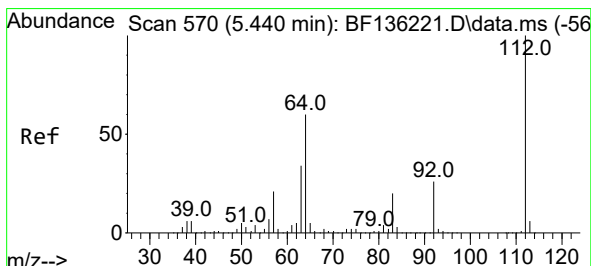
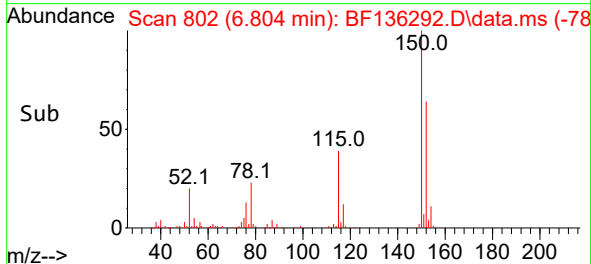
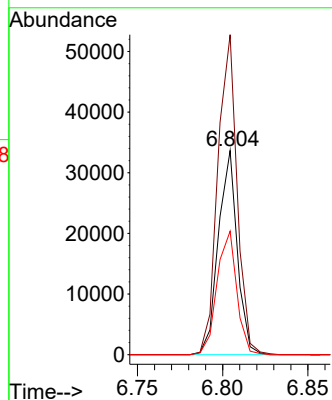
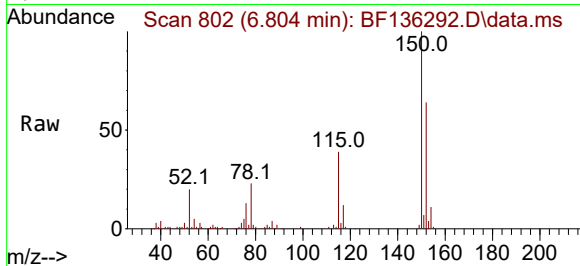




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

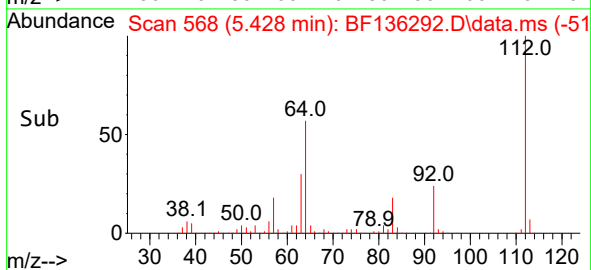
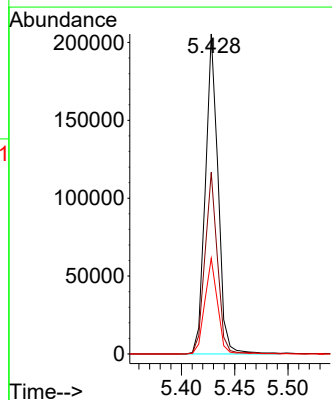
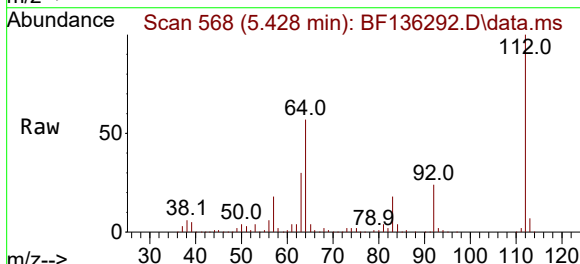
Instrument :
BNA_F
ClientSampleId :
TP-13DL

Tgt Ion:152 Resp: 25998
Ion Ratio Lower Upper
152 100
150 156.7 137.8 206.8
115 60.5 52.7 79.1



#5
2-Fluorophenol
Concen: 91.537 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.012 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

Tgt Ion:112 Resp: 170979
Ion Ratio Lower Upper
112 100
64 56.8 48.2 72.4
63 29.9 27.0 40.6

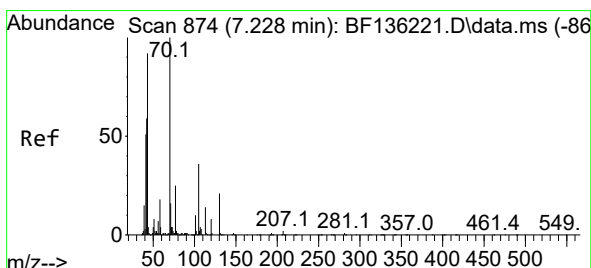
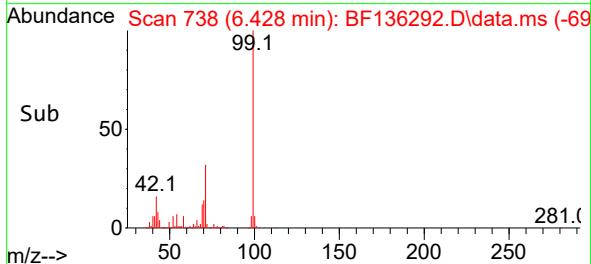
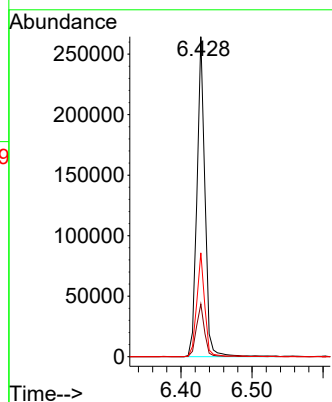
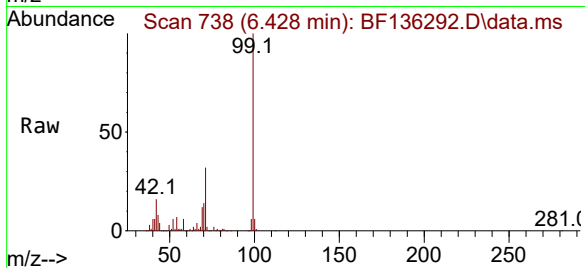




#7
Phenol-d6
Concen: 88.927 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

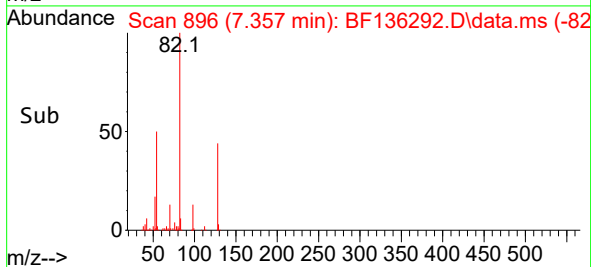
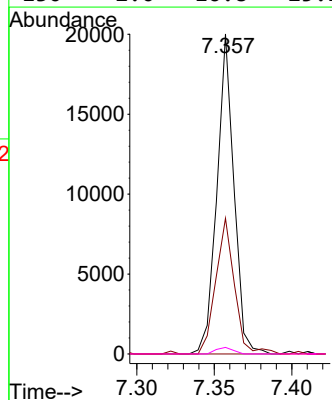
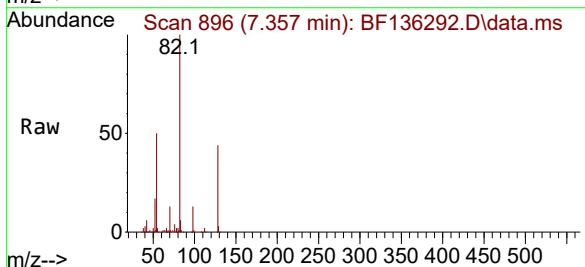
Instrument :
BNA_F
ClientSampleId :
TP-13DL

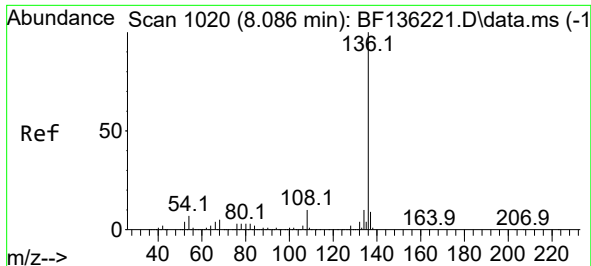
Tgt Ion: 99 Resp: 207692
Ion Ratio Lower Upper
99 100
42 16.5 15.0 22.6
71 32.4 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 10.949 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.130 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

Tgt Ion: 70 Resp: 15294
Ion Ratio Lower Upper
70 100
42 42.4 47.0 70.4#
101 0.0 7.8 11.8#
130 2.0 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF136292.D

Acq: 29 Nov 2023 19:46

Instrument :

BNA_F

ClientSampleId :

TP-13DL

Tgt Ion:136 Resp: 97709

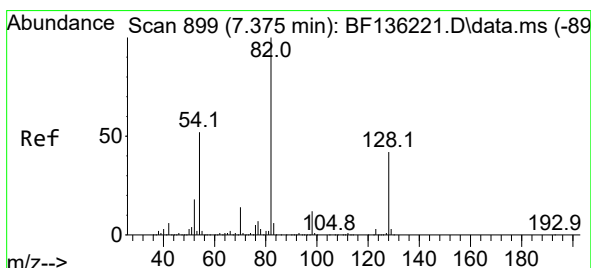
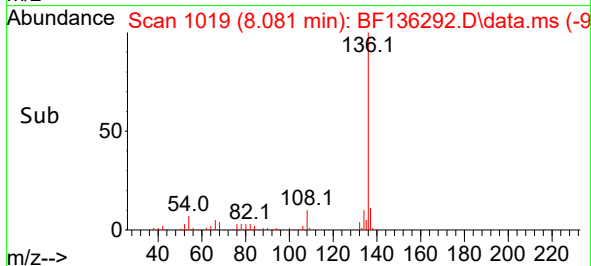
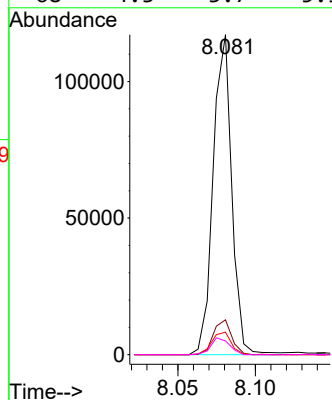
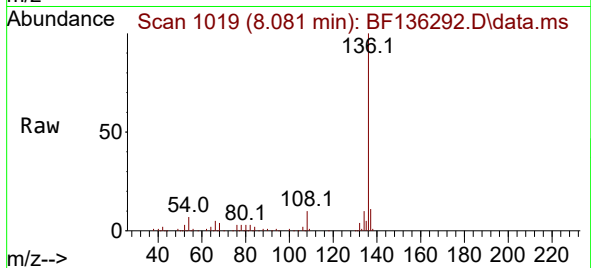
Ion Ratio Lower Upper

136 100

137 10.9 7.4 11.2

54 7.0 5.5 8.3

68 4.3 3.7 5.5



#23

Nitrobenzene-d5

Concen: 65.092 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF136292.D

Acq: 29 Nov 2023 19:46

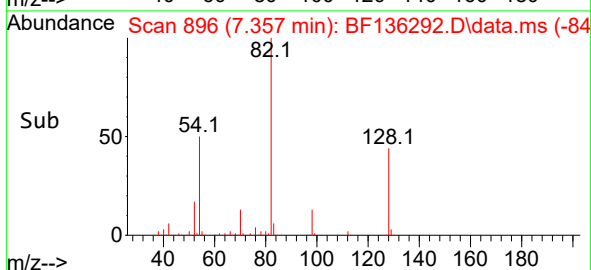
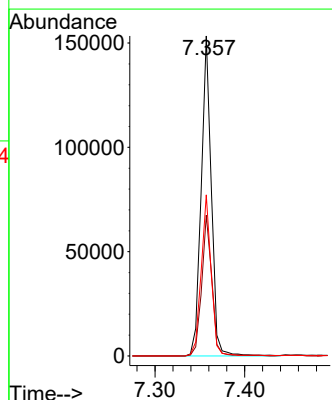
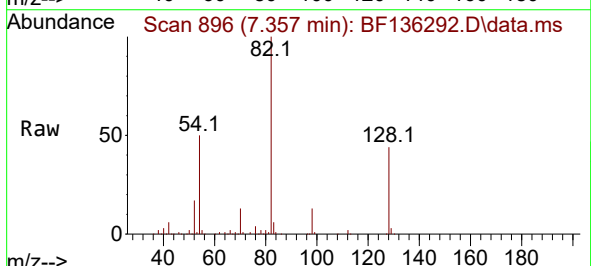
Tgt Ion: 82 Resp: 120358

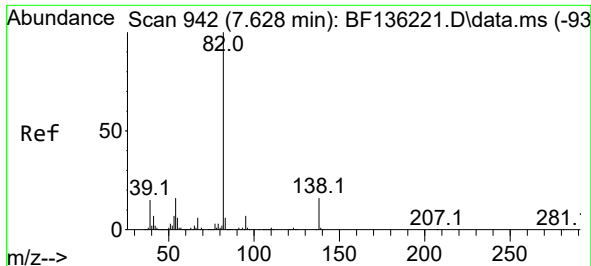
Ion Ratio Lower Upper

82 100

128 44.0 33.4 50.2

54 50.3 41.7 62.5

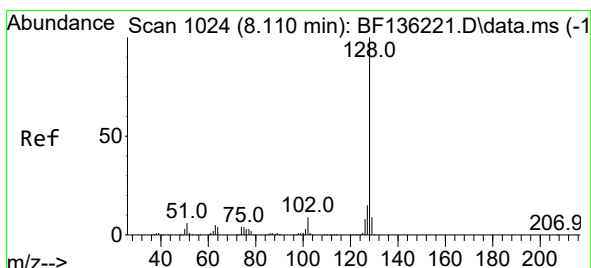
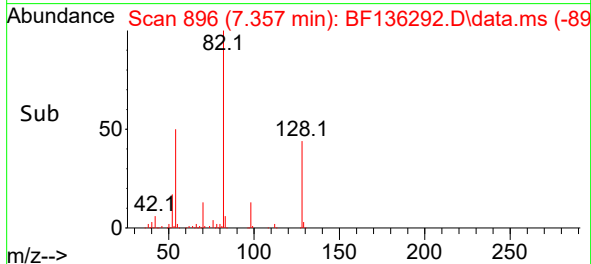
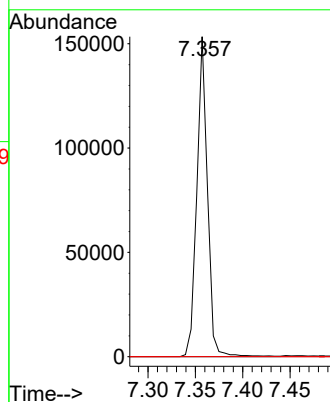
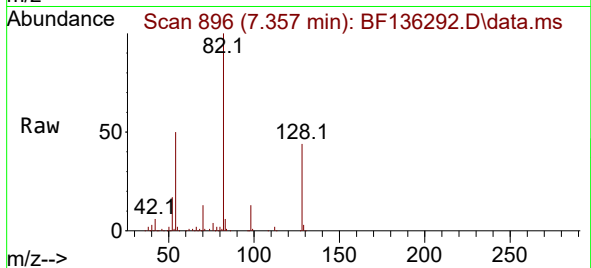




#25
Isophorone
Concen: 36.099 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.270 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

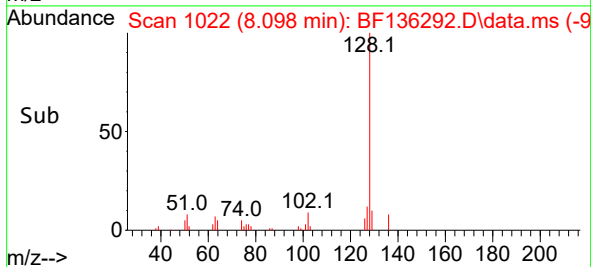
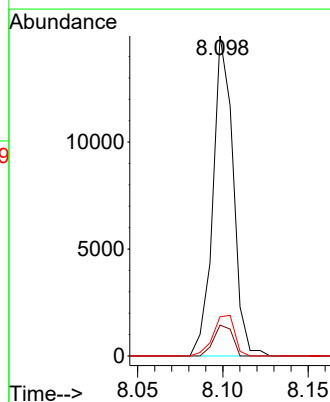
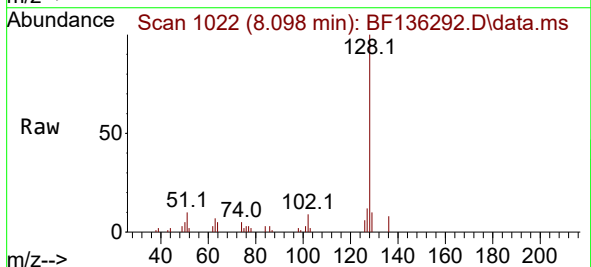
Instrument :
BNA_F
ClientSampleId :
TP-13DL

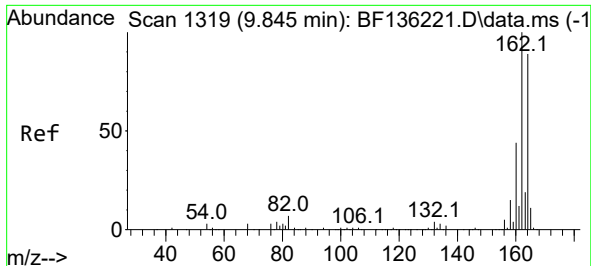
Tgt Ion: 82 Resp: 120356
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#31
Naphthalene
Concen: 2.235 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

Tgt Ion:128 Resp: 12275
Ion Ratio Lower Upper
128 100
129 9.7 7.3 10.9
127 12.2 11.8 17.6

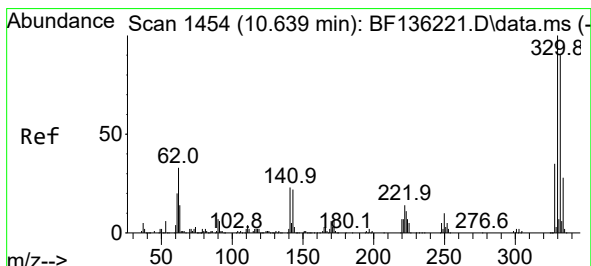
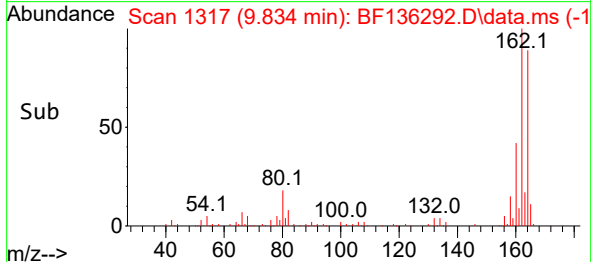
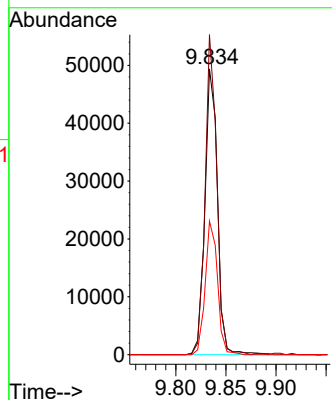
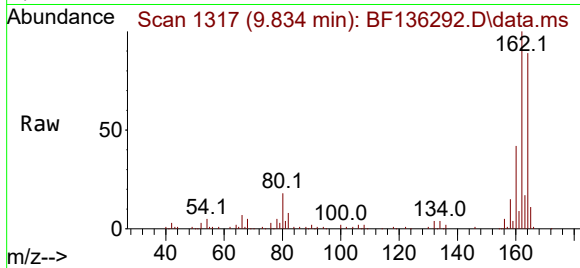




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

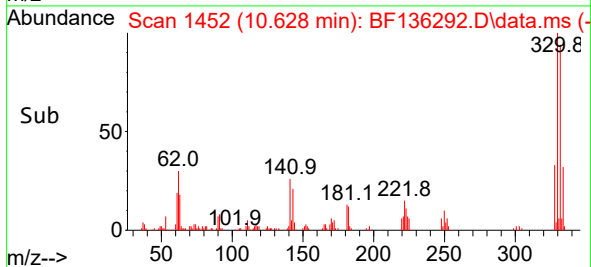
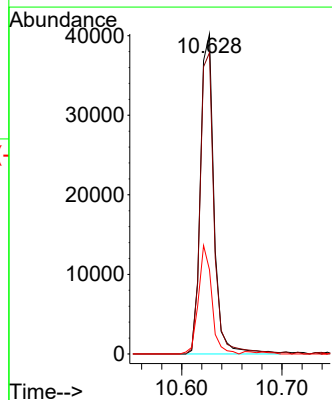
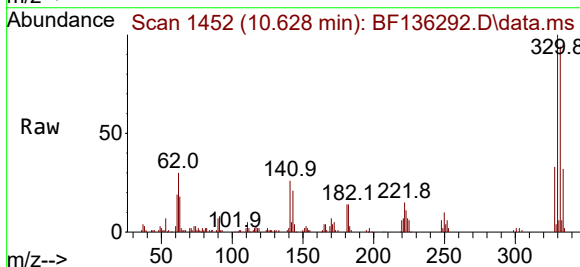
Instrument :
BNA_F
ClientSampleId :
TP-13DL

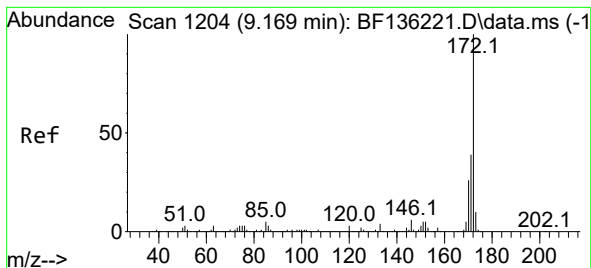
Tgt Ion:164 Resp: 43341
Ion Ratio Lower Upper
164 100
162 112.0 89.5 134.3
160 46.8 39.6 59.4



#42
2,4,6-Tribromophenol
Concen: 71.505 ng
RT: 10.628 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

Tgt Ion:330 Resp: 37889
Ion Ratio Lower Upper
330 100
332 96.9 73.0 109.6
141 32.9 24.2 36.2





#45

2-Fluorobiphenyl

Concen: 70.386 ng

RT: 9.157 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136292.D

Acq: 29 Nov 2023 19:46

Instrument :

BNA_F

ClientSampleId :

TP-13DL

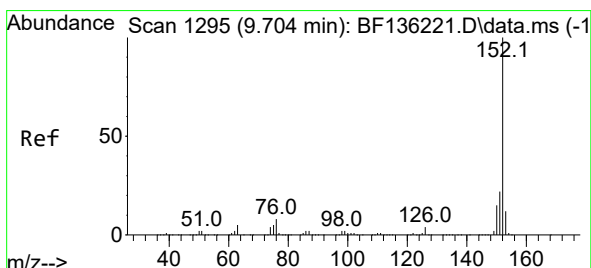
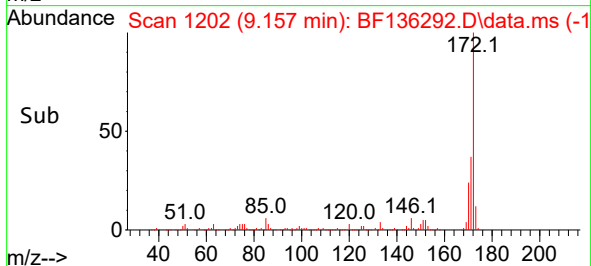
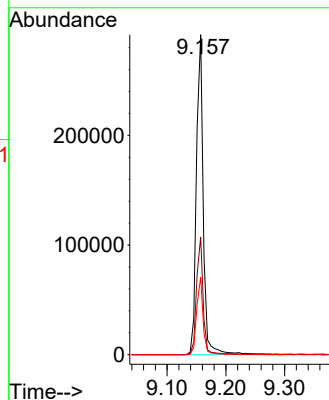
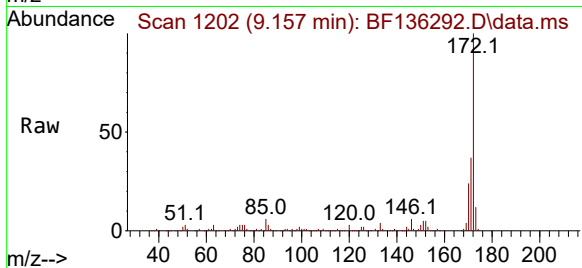
Tgt Ion:172 Resp: 238832

Ion Ratio Lower Upper

172 100

171 36.8 31.5 47.3

170 24.1 20.8 31.2



#49

Acenaphthylene

Concen: 3.883 ng

RT: 9.698 min Scan# 1294

Delta R.T. -0.006 min

Lab File: BF136292.D

Acq: 29 Nov 2023 19:46

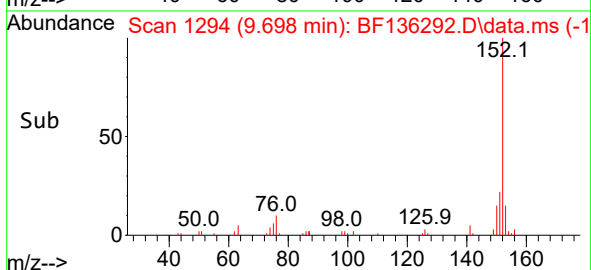
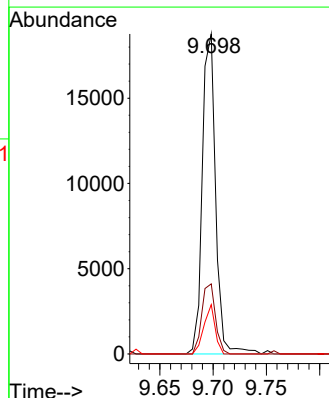
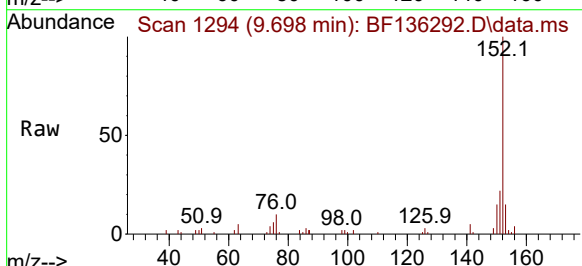
Tgt Ion:152 Resp: 16447

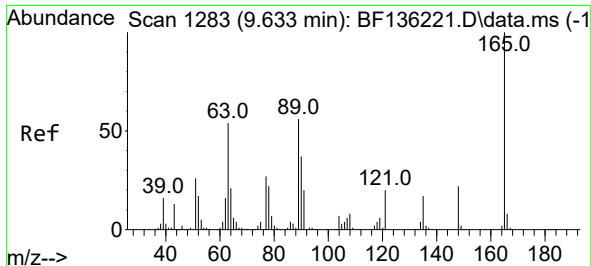
Ion Ratio Lower Upper

152 100

151 21.9 17.5 26.3

153 15.4 9.6 14.4#

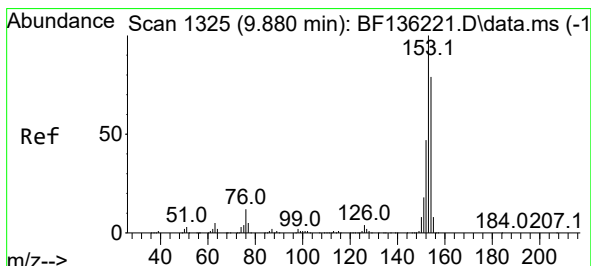
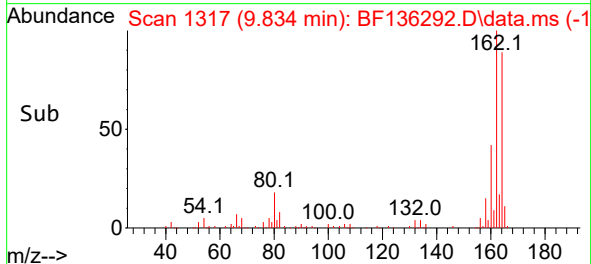
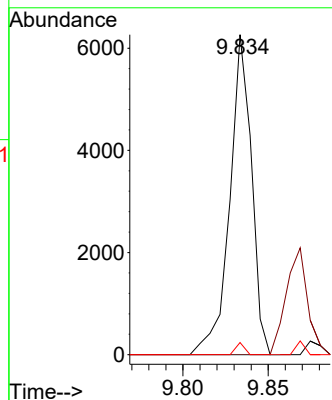
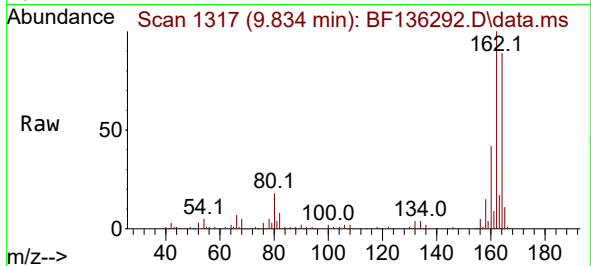




#51
2,6-Dinitrotoluene
Concen: 8.289 ng
RT: 9.834 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

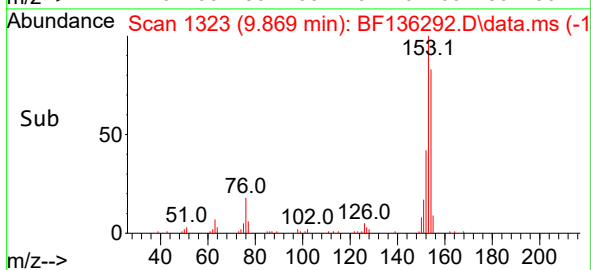
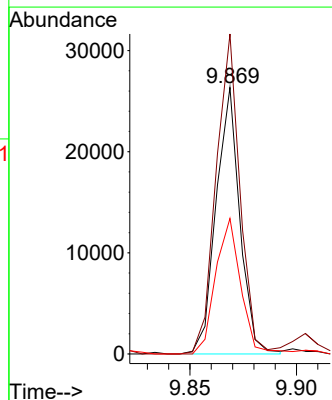
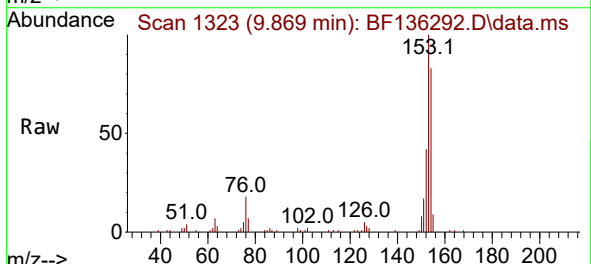
Instrument :
BNA_F
ClientSampleId :
TP-13DL

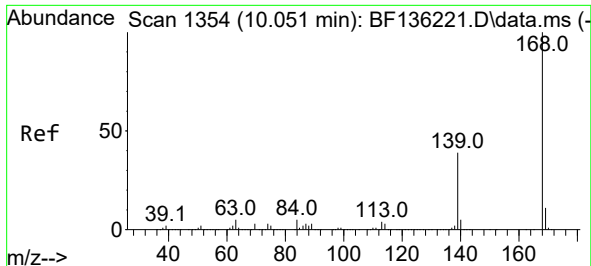
Tgt Ion:165 Resp: 5547
Ion Ratio Lower Upper
165 100
63 0.0 46.2 69.2#
89 3.8 44.9 67.3#



#52
Acenaphthene
Concen: 7.630 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.012 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

Tgt Ion:154 Resp: 20424
Ion Ratio Lower Upper
154 100
153 120.1 100.8 151.2
152 50.8 47.0 70.6

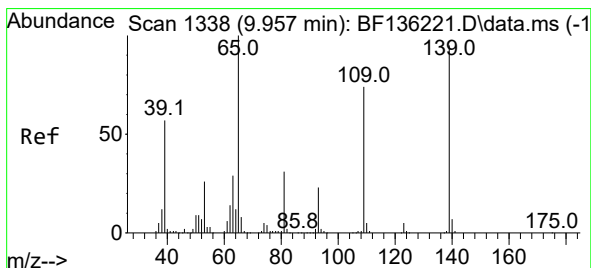
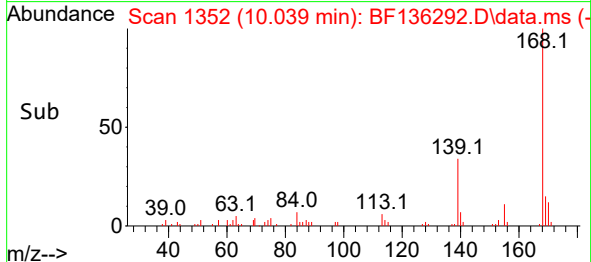
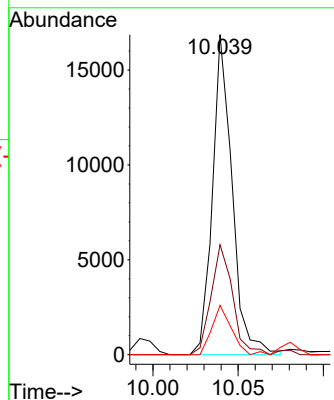
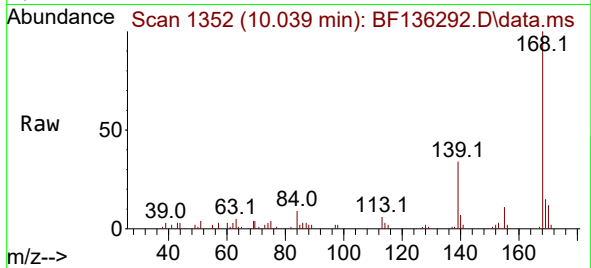




#55
Dibenzenofuran
Concen: 3.397 ng
RT: 10.039 min Scan# 1352
Delta R.T. -0.012 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

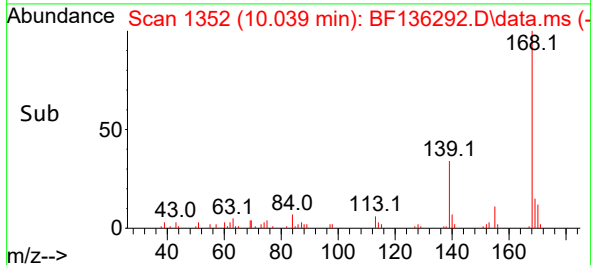
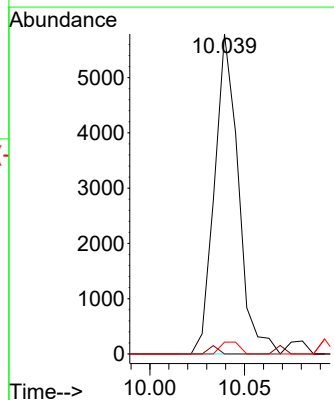
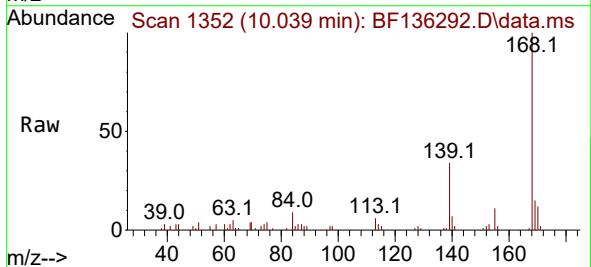
Instrument :
BNA_F
ClientSampleId :
TP-13DL

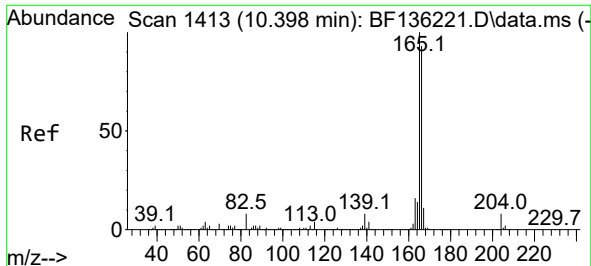
Tgt Ion:168 Resp: 13531
Ion Ratio Lower Upper
168 100
139 34.3 30.9 46.3
169 15.4 9.1 13.7#



#56
4-Nitrophenol
Concen: 10.055 ng
RT: 10.039 min Scan# 1352
Delta R.T. 0.082 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

Tgt Ion:139 Resp: 5071
Ion Ratio Lower Upper
139 100
109 0.0 57.8 97.8#
65 3.7 86.0 126.0#

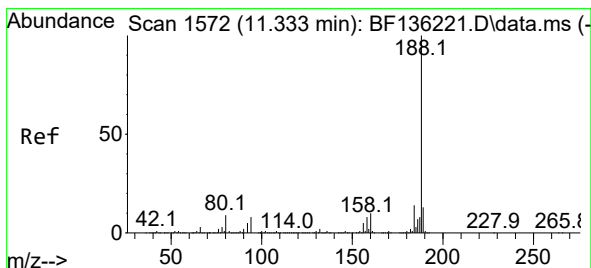
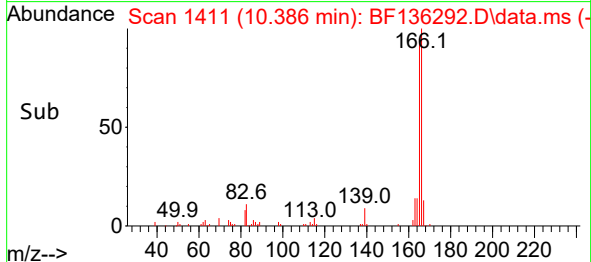
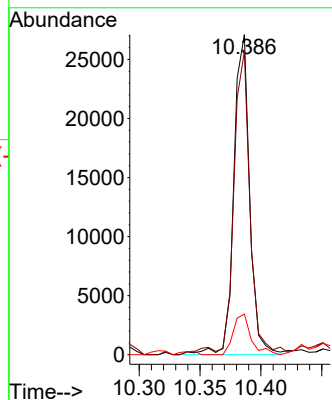
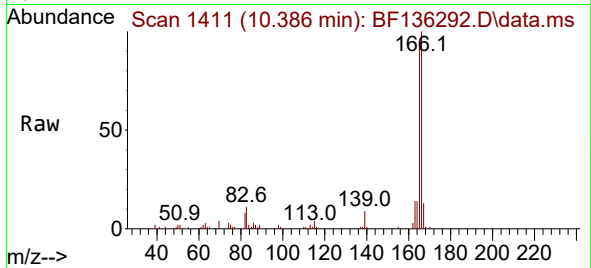




#58
Fluorene
Concen: 7.822 ng
RT: 10.386 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

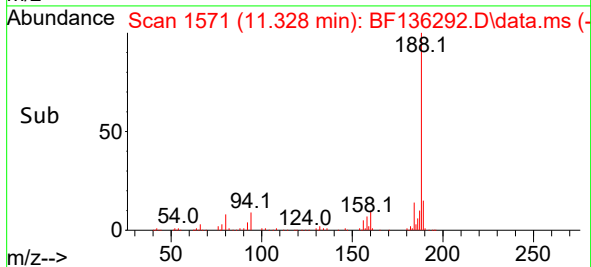
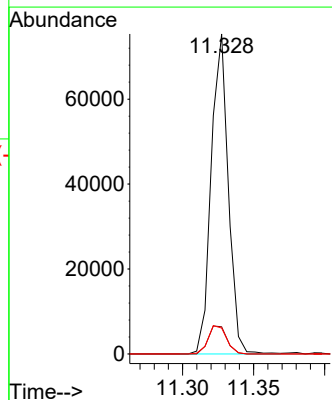
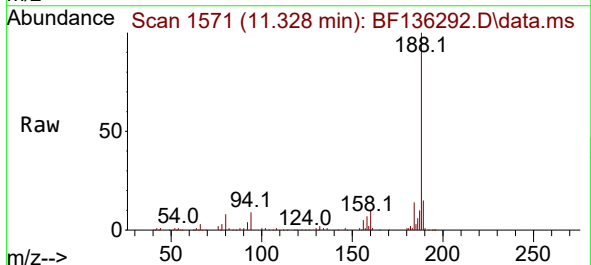
Instrument :
BNA_F
ClientSampleId :
TP-13DL

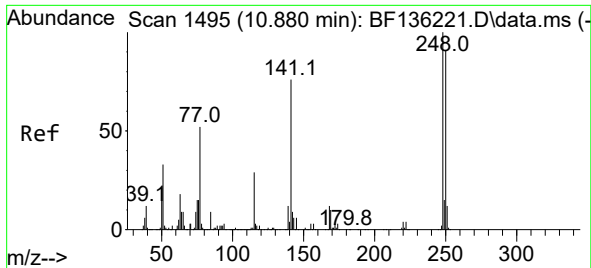
Tgt Ion:166 Resp: 24437
Ion Ratio Lower Upper
166 100
165 94.7 86.2 129.4
167 12.7 9.1 13.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.005 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

Tgt Ion:188 Resp: 62900
Ion Ratio Lower Upper
188 100
94 8.5 6.7 10.1
80 8.1 7.2 10.8

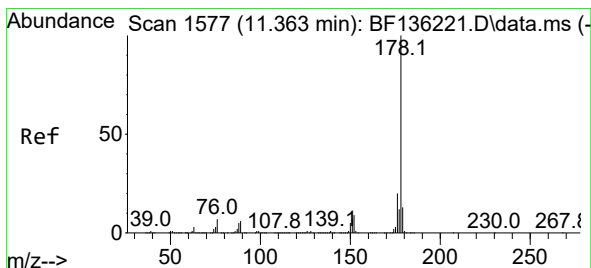
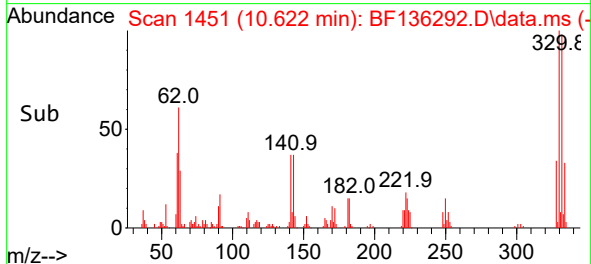
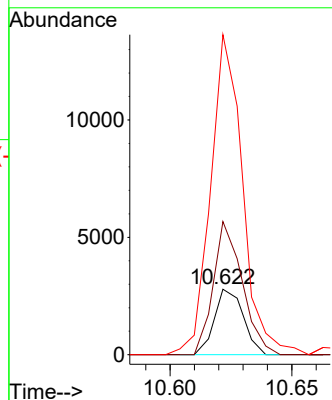
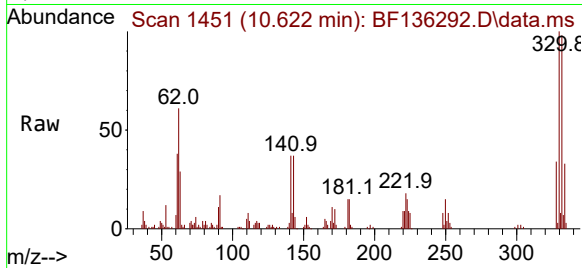




#67
4-Bromophenyl-phenylether
Concen: 3.132 ng
RT: 10.622 min Scan# 1495
Delta R.T. -0.259 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

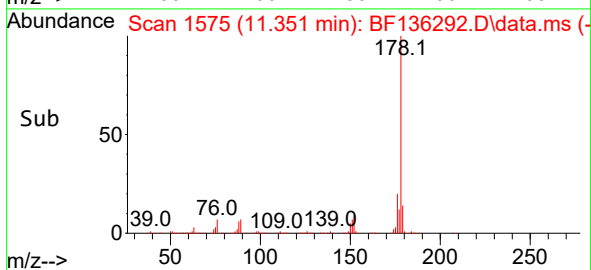
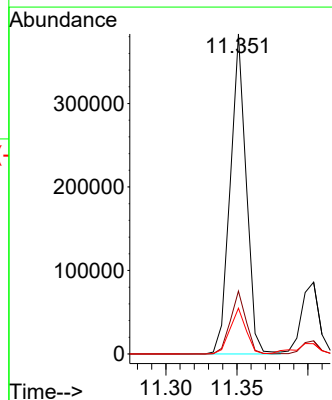
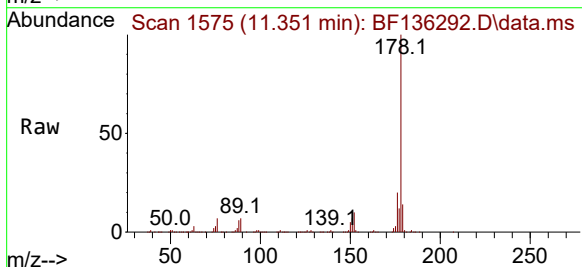
Instrument :
BNA_F
ClientSampleId :
TP-13DL

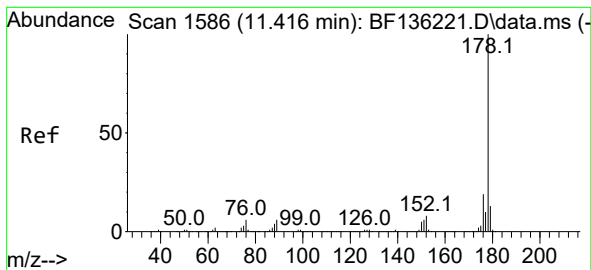
Tgt Ion:248 Resp: 2298
Ion Ratio Lower Upper
248 100
250 160.6 72.5 108.7#
141 385.9 60.8 91.2#



#71
Phenanthrene
Concen: 84.972 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

Tgt Ion:178 Resp: 300399
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.2
179 14.3 10.3 15.5





#72

Anthracene

Concen: 20.218 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136292.D

Acq: 29 Nov 2023 19:46

Instrument :

BNA_F

ClientSampleId :

TP-13DL

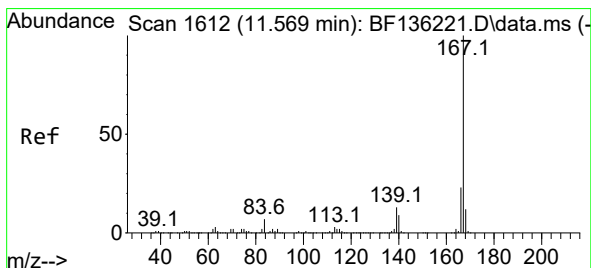
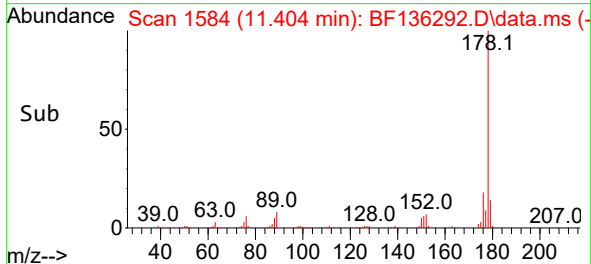
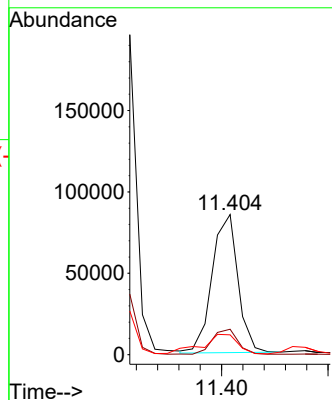
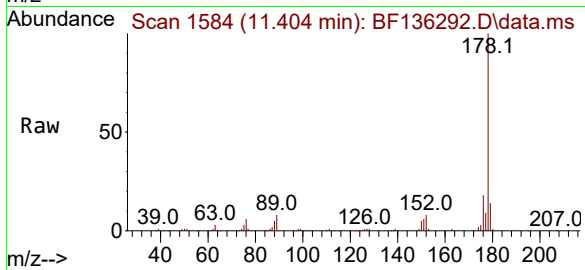
Tgt Ion:178 Resp: 71676

Ion Ratio Lower Upper

178 100

176 18.2 15.5 23.3

179 14.2 10.5 15.7



#73

Carbazole

Concen: 8.977 ng

RT: 11.557 min Scan# 1610

Delta R.T. -0.012 min

Lab File: BF136292.D

Acq: 29 Nov 2023 19:46

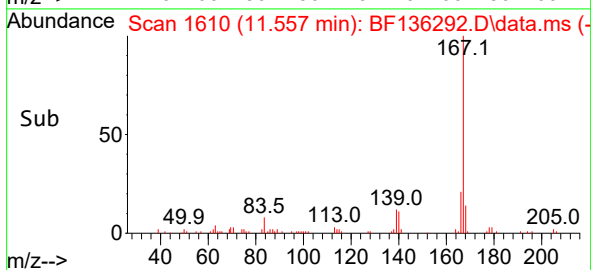
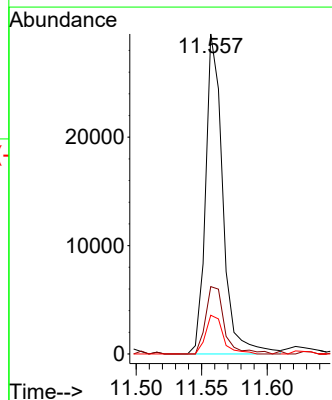
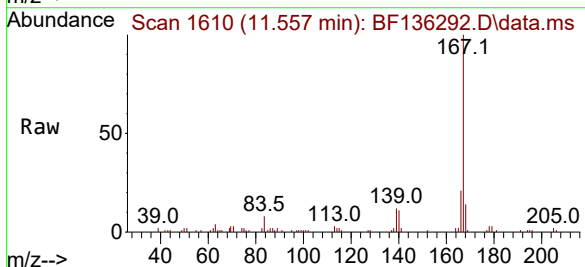
Tgt Ion:167 Resp: 27068

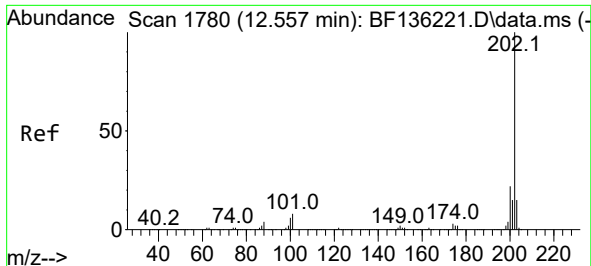
Ion Ratio Lower Upper

167 100

166 21.0 18.4 27.6

139 12.1 10.5 15.7

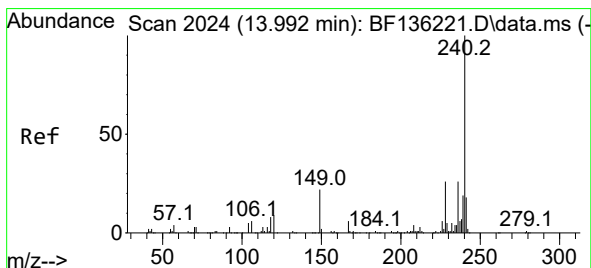
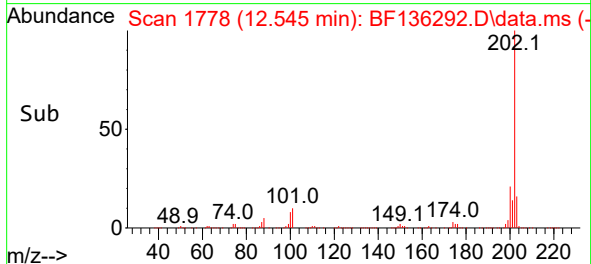
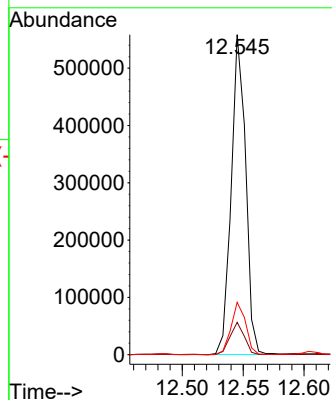
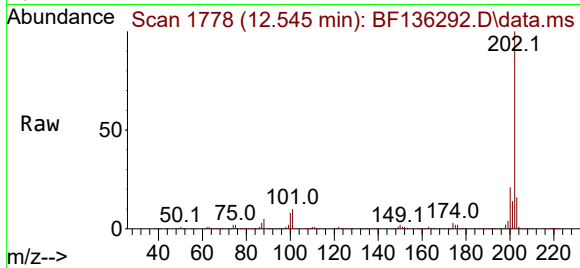




#75
Fluoranthene
Concen: 127.796 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

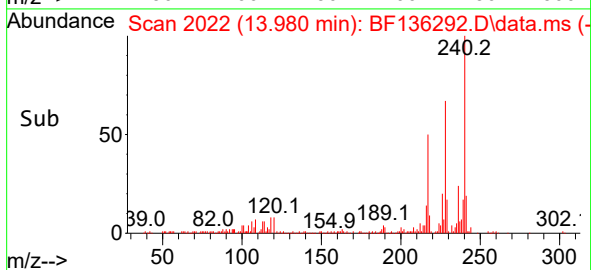
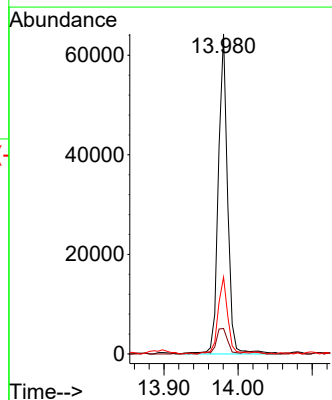
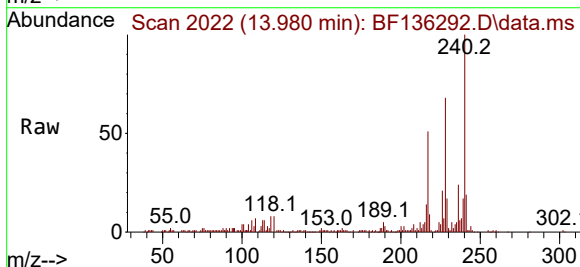
Instrument :
BNA_F
ClientSampleId :
TP-13DL

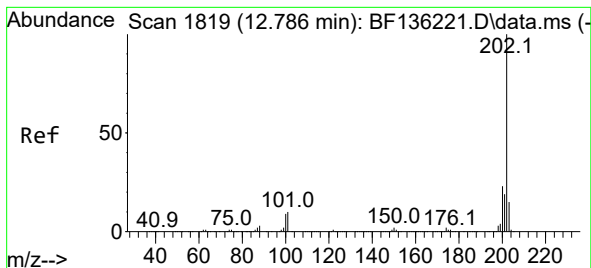
Tgt Ion:202 Resp: 458647
Ion Ratio Lower Upper
202 100
101 10.1 0.0 27.8
203 16.4 0.0 34.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

Tgt Ion:240 Resp: 55691
Ion Ratio Lower Upper
240 100
120 8.0 7.4 11.2
236 24.0 21.1 31.7





#78

Pyrene

Concen: 60.257 ng

RT: 12.774 min Scan# 1817

Delta R.T. -0.012 min

Lab File: BF136292.D

Acq: 29 Nov 2023 19:46

Instrument :

BNA_F

ClientSampleId :

TP-13DL

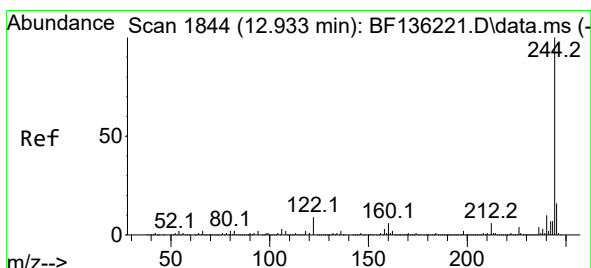
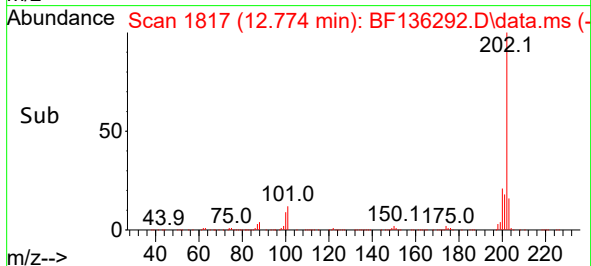
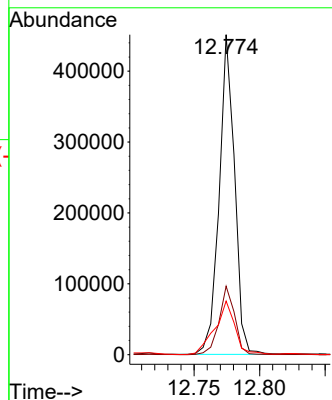
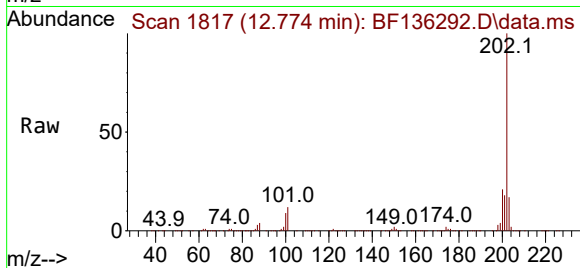
Tgt Ion:202 Resp: 367516

Ion Ratio Lower Upper

202 100

200 21.4 18.4 27.6

203 16.8 11.8 17.6



#79

Terphenyl-d14

Concen: 38.657 ng

RT: 12.922 min Scan# 1842

Delta R.T. -0.012 min

Lab File: BF136292.D

Acq: 29 Nov 2023 19:46

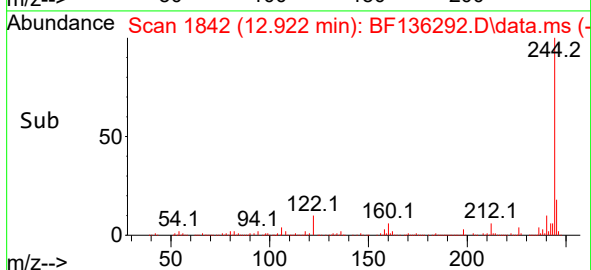
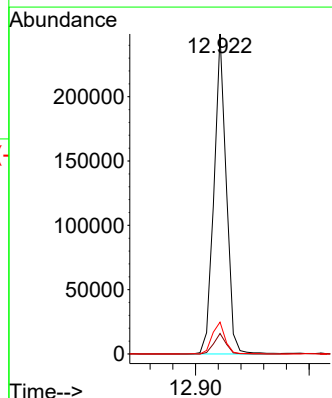
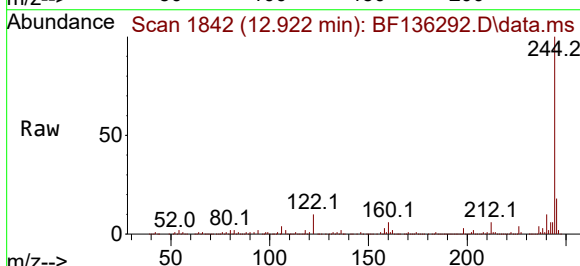
Tgt Ion:244 Resp: 186640

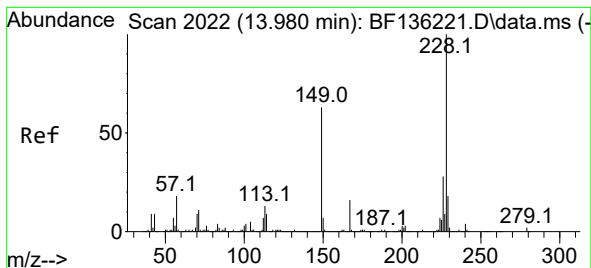
Ion Ratio Lower Upper

244 100

212 6.4 4.6 7.0

122 9.9 7.3 10.9





#81

Benzo(a)anthracene

Concen: 57.056 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136292.D

Acq: 29 Nov 2023 19:46

Instrument :

BNA_F

ClientSampleId :

TP-13DL

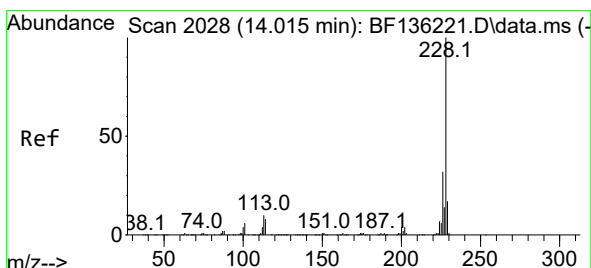
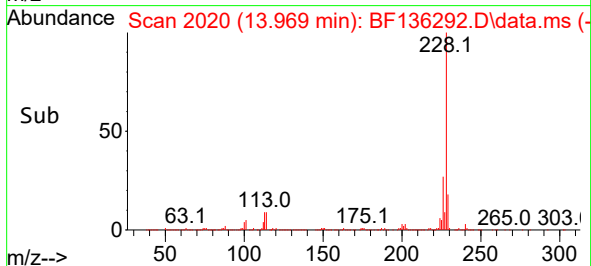
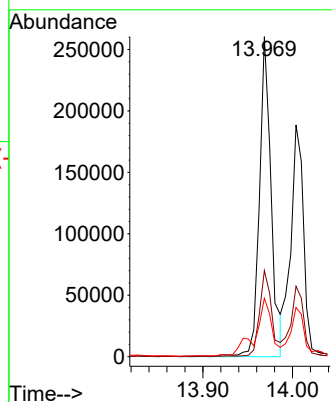
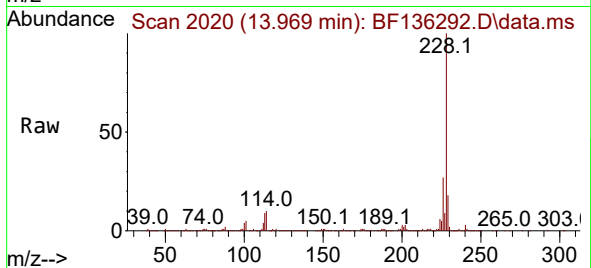
Tgt Ion:228 Resp: 236013

Ion Ratio Lower Upper

228 100

226 26.9 22.6 34.0

229 18.2 14.0 21.0



#83

Chrysene

Concen: 59.092 ng

RT: 13.969 min Scan# 2020

Delta R.T. -0.047 min

Lab File: BF136292.D

Acq: 29 Nov 2023 19:46

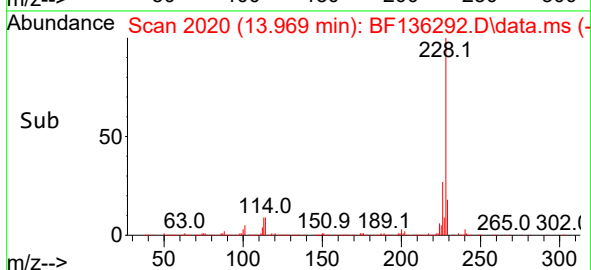
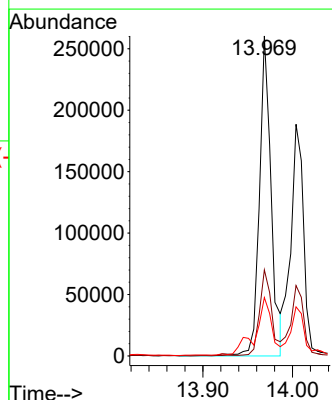
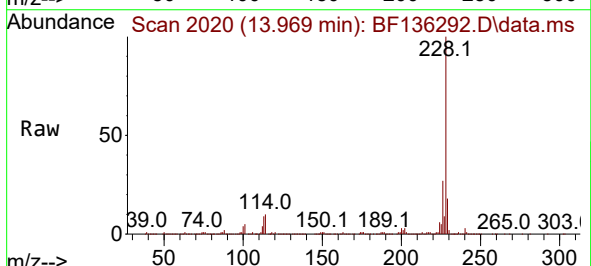
Tgt Ion:228 Resp: 236013

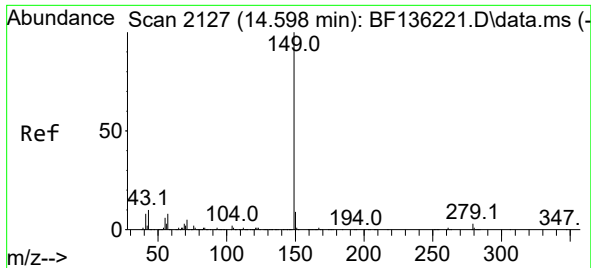
Ion Ratio Lower Upper

228 100

226 26.9 25.5 38.3

229 18.2 13.9 20.9

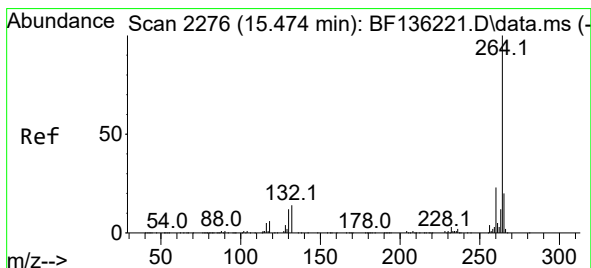
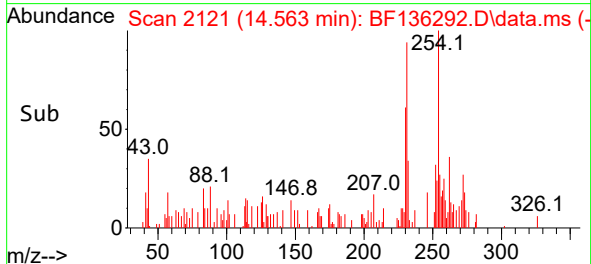
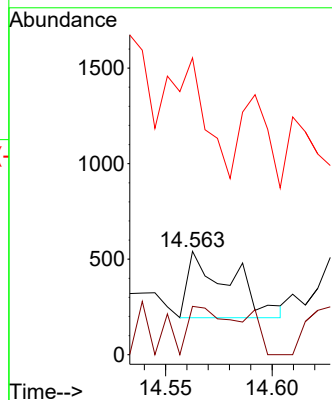
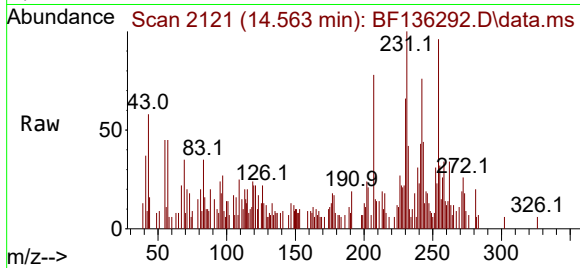




#85
Di-n-octyl phthalate
Concen: 5.278 ng
RT: 14.563 min Scan# 2127
Delta R.T. -0.035 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

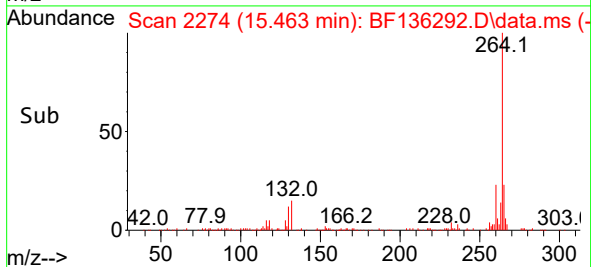
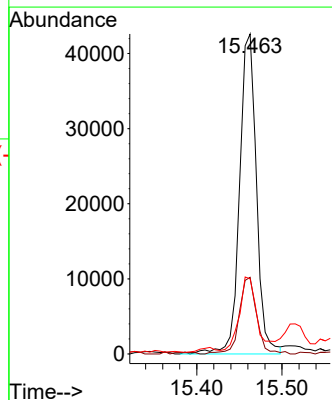
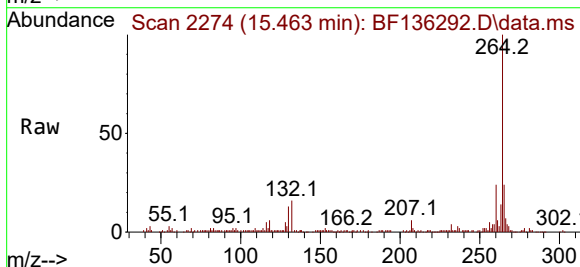
Instrument :
BNA_F
ClientSampleId :
TP-13DL

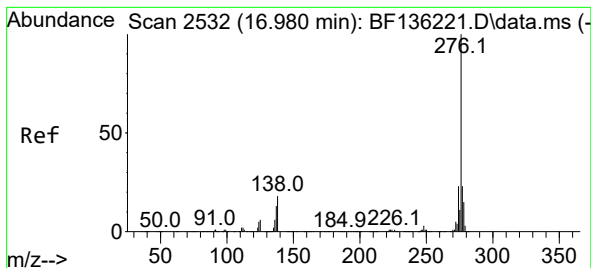
Tgt Ion:149 Resp: 481
Ion Ratio Lower Upper
149 100
167 93.6 1.0 1.6#
43 0.0 7.2 10.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2274
Delta R.T. -0.011 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

Tgt Ion:264 Resp: 58768
Ion Ratio Lower Upper
264 100
260 24.0 18.6 27.8
265 23.5 15.7 23.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 18.129 ng

RT: 16.957 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF136292.D

Acq: 29 Nov 2023 19:46

Instrument :

BNA_F

ClientSampleId :

TP-13DL

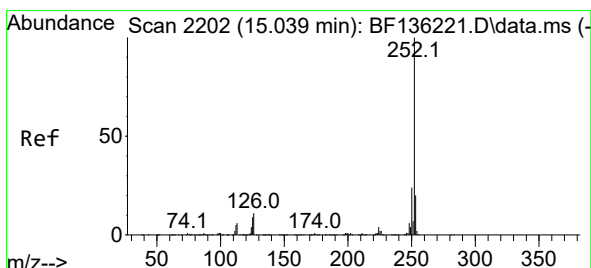
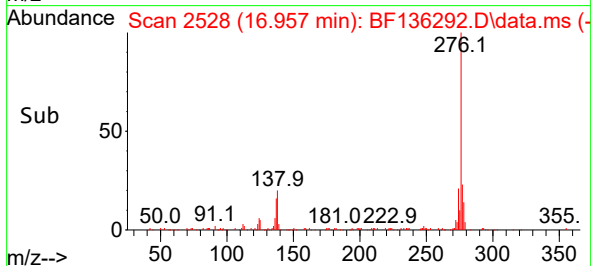
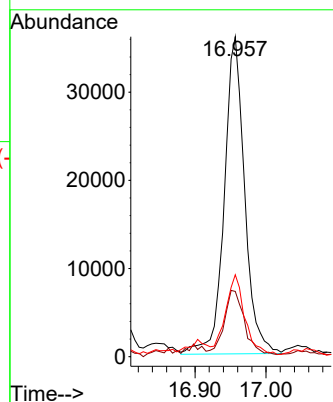
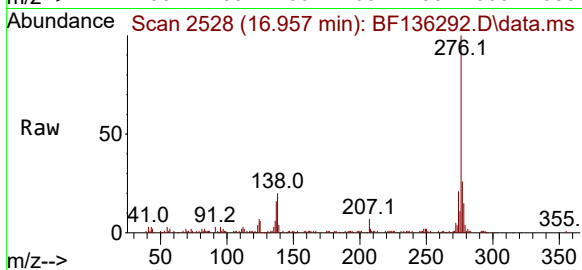
Tgt Ion:276 Resp: 71882

Ion Ratio Lower Upper

276 100

138 19.9 17.7 26.5

277 23.5 19.6 29.4



#88

Benzo(b)fluoranthene

Concen: 81.141 ng

RT: 15.027 min Scan# 2200

Delta R.T. -0.012 min

Lab File: BF136292.D

Acq: 29 Nov 2023 19:46

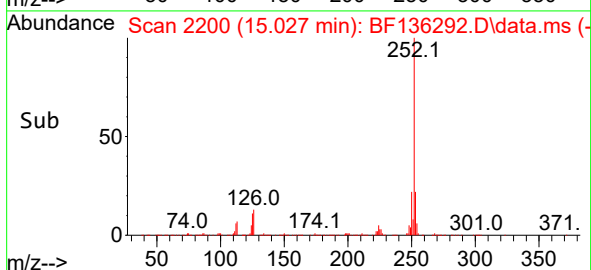
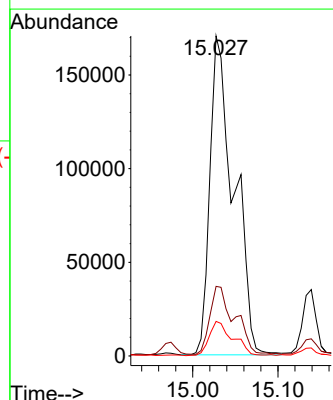
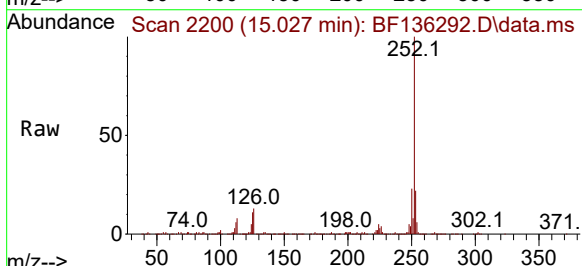
Tgt Ion:252 Resp: 334549

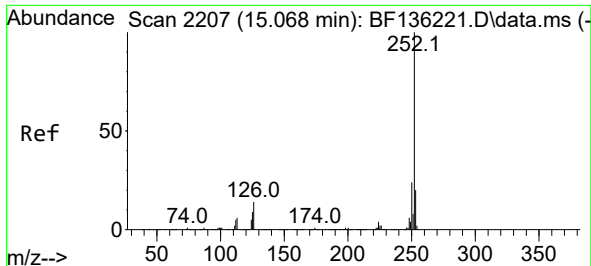
Ion Ratio Lower Upper

252 100

253 21.7 16.2 24.2

125 10.8 6.9 10.3#

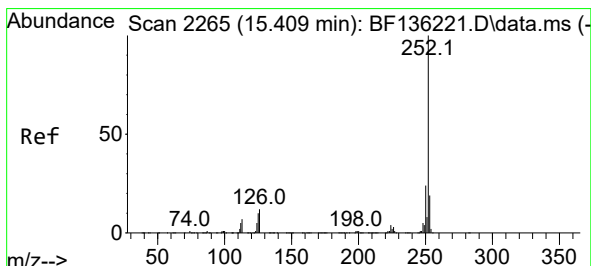
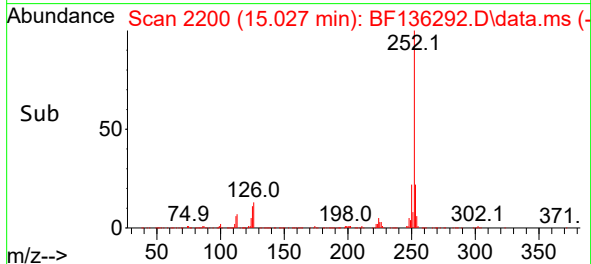
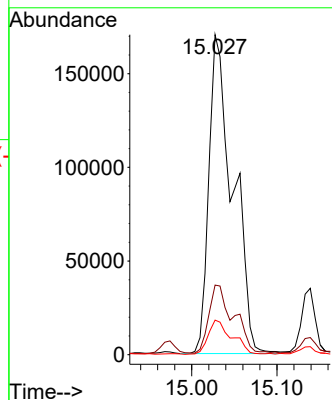
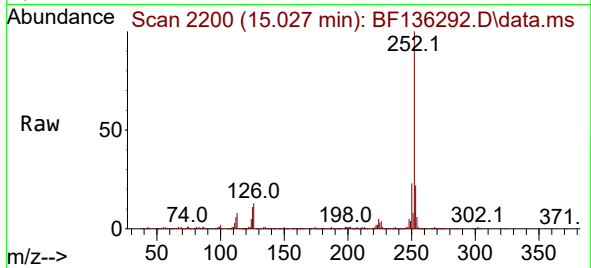




#89
Benzo(k)fluoranthene
Concen: 85.433 ng
RT: 15.027 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

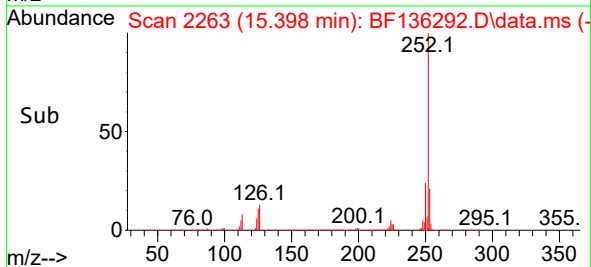
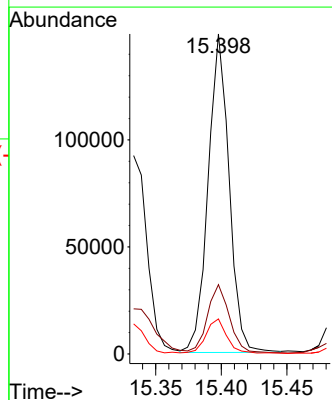
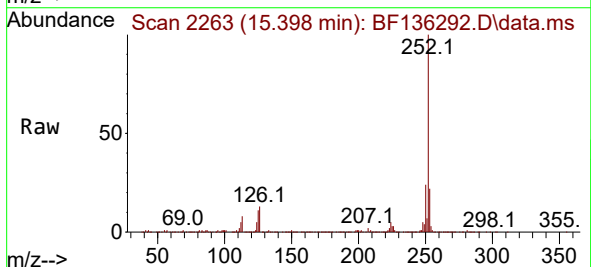
Instrument :
BNA_F
ClientSampleId :
TP-13DL

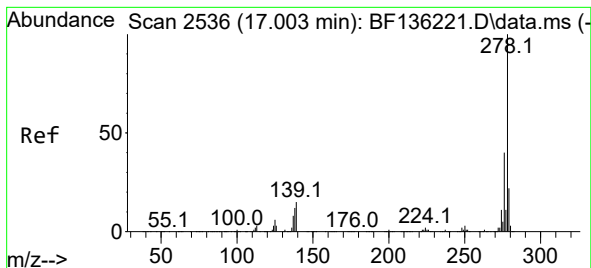
Tgt Ion:252 Resp: 334549
Ion Ratio Lower Upper
252 100
253 21.7 15.6 23.4
125 10.8 7.0 10.4#



#90
Benzo(a)pyrene
Concen: 49.180 ng
RT: 15.398 min Scan# 2263
Delta R.T. -0.011 min
Lab File: BF136292.D
Acq: 29 Nov 2023 19:46

Tgt Ion:252 Resp: 165761
Ion Ratio Lower Upper
252 100
253 21.7 15.5 23.3
125 10.9 7.9 11.9





#91

Dibenzo(a,h)anthracene

Concen: 6.524 ng

RT: 16.774 min Scan# 2497

Delta R.T. -0.229 min

Lab File: BF136292.D

Acq: 29 Nov 2023 19:46

Instrument :

BNA_F

ClientSampleId :

TP-13DL

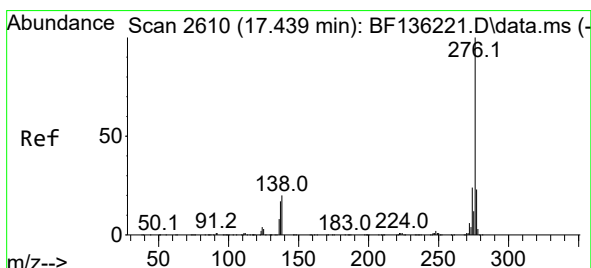
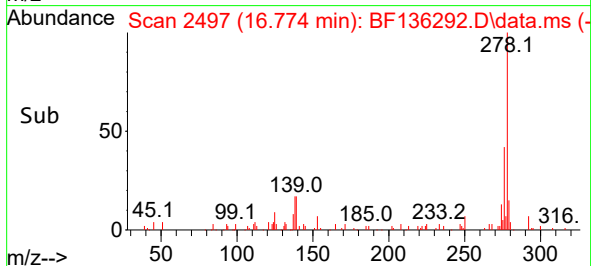
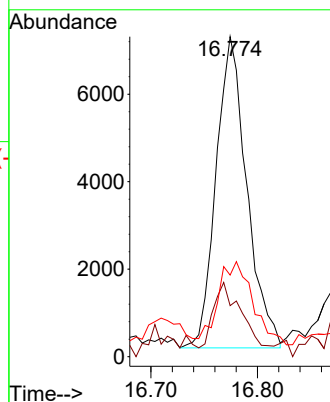
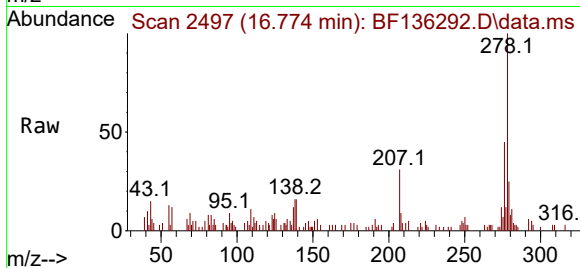
Tgt Ion:278 Resp: 14240

Ion Ratio Lower Upper

278 100

139 16.0 11.7 17.5

279 25.5 17.8 26.8



#92

Benzo(g,h,i)perylene

Concen: 18.314 ng

RT: 17.409 min Scan# 2605

Delta R.T. -0.030 min

Lab File: BF136292.D

Acq: 29 Nov 2023 19:46

Tgt Ion:276 Resp: 60460

Ion Ratio Lower Upper

276 100

277 25.0 18.6 27.8

138 20.7 15.8 23.8

