

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
 Data File : BF136081.D
 Acq On : 01 Nov 2023 17:27
 Operator : CG\JU
 Sample : 05040-01DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-4(50FT)(0-5)DL

Quant Time: Nov 01 22:41:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

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

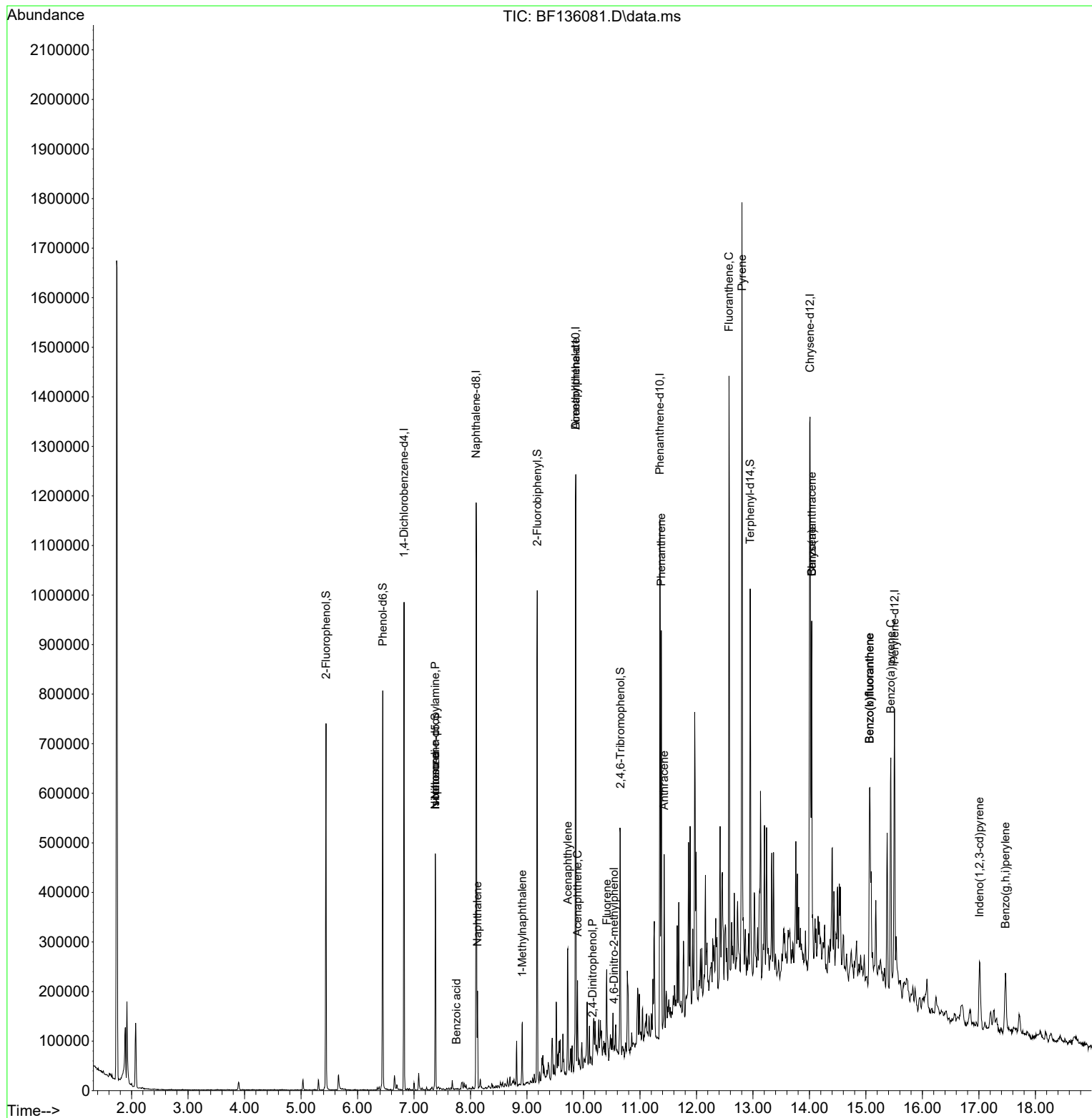
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.823	152	131023	20.000	ng	0.00
21) Naphthalene-d8	8.099	136	502033	20.000	ng	0.00
39) Acenaphthene-d10	9.864	164	246978	20.000	ng	0.00
64) Phenanthrene-d10	11.352	188	382561	20.000	ng	0.00
76) Chrysene-d12	14.011	240	269296	20.000	ng	0.00
86) Perylene-d12	15.505	264	258338	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.441	112	185966	22.304	ng	-0.01
7) Phenol-d6	6.447	99	235016	22.623	ng	-0.01
23) Nitrobenzene-d5	7.376	82	129362	15.533	ng	-0.02
42) 2,4,6-Tribromophenol	10.652	330	51755	19.633	ng	0.00
45) 2-Fluorobiphenyl	9.182	172	286271	18.477	ng	0.00
79) Terphenyl-d14	12.952	244	243725	14.065	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.376	70	16555	2.789	ng	# 84
25) Isophorone	7.376	82	129359	8.228	ng	# 64
31) Naphthalene	8.123	128	68815	2.843	ng	100
32) Benzoic acid	7.752	122	57	5.123	ng	# 36
38) 1-Methylnaphthalene	8.917	142	32010	2.119	ng	97
49) Acenaphthylene	9.723	152	91423	4.222	ng	99
50) Dimethylphthalate	9.864	163	50987	3.130	ng	# 1
52) Acenaphthene	9.893	154	31889	2.317	ng	100
54) 2,4-Dinitrophenol	10.158	184	81	8.016	ng	# 51
58) Fluorene	10.411	166	48180	3.206	ng	98
65) 4,6-Dinitro-2-methylph...	10.540	198	62	5.817	ng	# 1
71) Phenanthrene	11.376	178	290860	15.100	ng	99
72) Anthracene	11.429	178	124441	6.305	ng	98
75) Fluoranthene	12.576	202	447536	22.616	ng	100
78) Pyrene	12.805	202	610817	25.727	ng	99
81) Benzo(a)anthracene	14.040	228	276391	15.503	ng	94
83) Chrysene	14.040	228	276391	15.742	ng	98
87) Indeno(1,2,3-cd)pyrene	17.011	276	94976	5.625	ng	96
88) Benzo(b)fluoranthene	15.064	252	331696	21.699	ng	98
89) Benzo(k)fluoranthene	15.064	252	331696	21.930	ng	99
90) Benzo(a)pyrene	15.440	252	222332	15.654	ng	98
92) Benzo(g,h,i)perylene	17.469	276	100114	8.870	ng	99

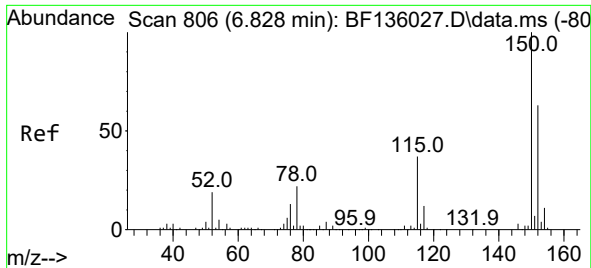
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 01 22:41:30 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
Response via : Initial Calibration

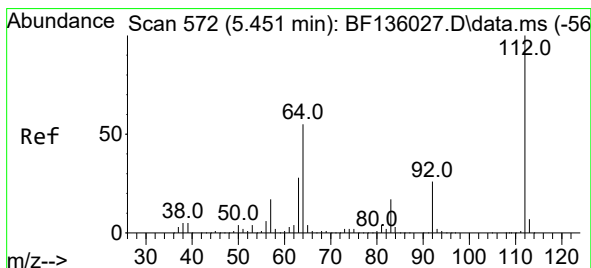
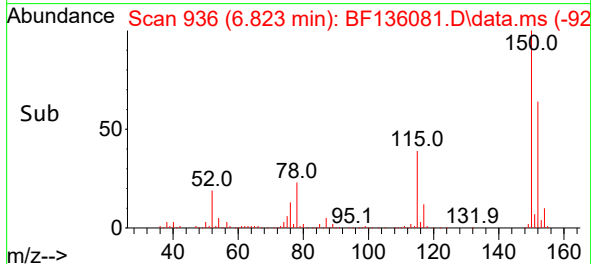
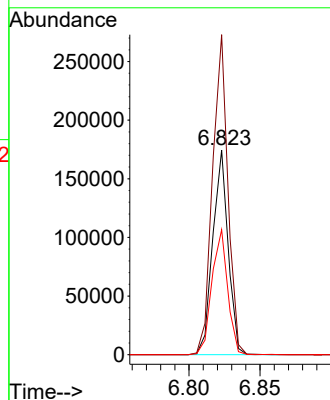
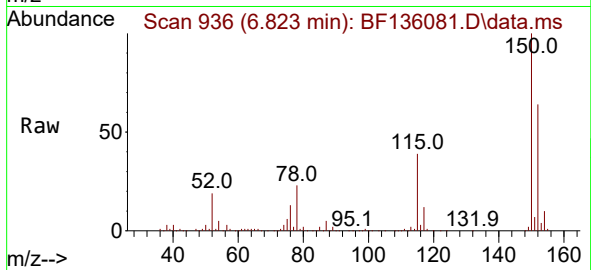




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.823 min Scan# 91
Delta R.T. -0.005 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

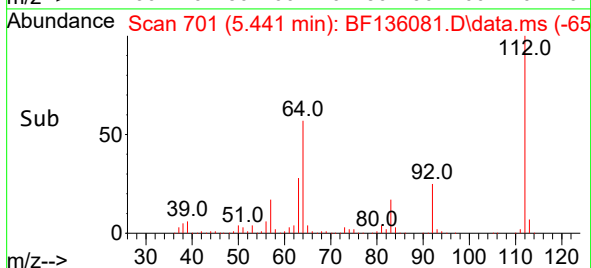
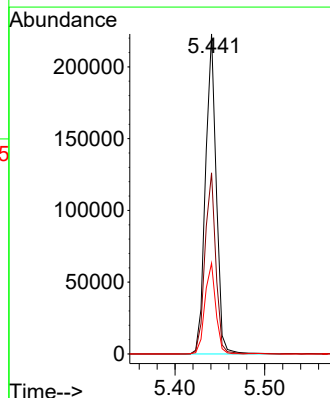
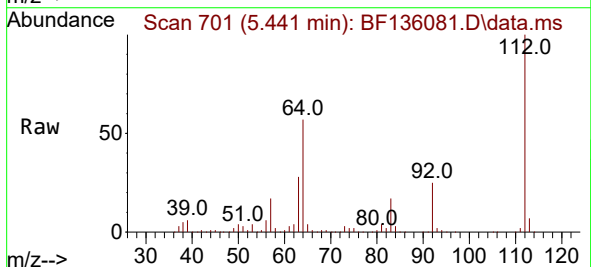
Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)DL

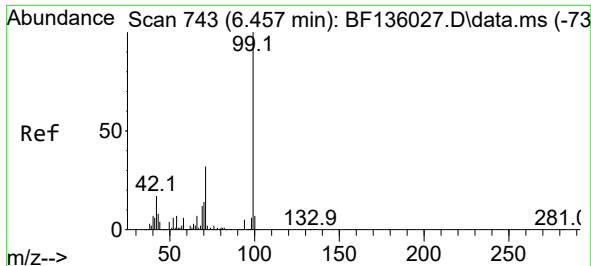
Tgt Ion:152 Resp: 131023
Ion Ratio Lower Upper
152 100
150 156.4 126.4 189.6
115 61.1 47.0 70.4



#5
2-Fluorophenol
Concen: 22.304 ng
RT: 5.441 min Scan# 701
Delta R.T. -0.010 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

Tgt Ion:112 Resp: 185966
Ion Ratio Lower Upper
112 100
64 56.6 43.9 65.9
63 28.4 22.4 33.6

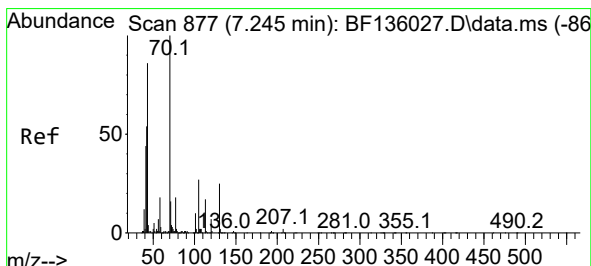
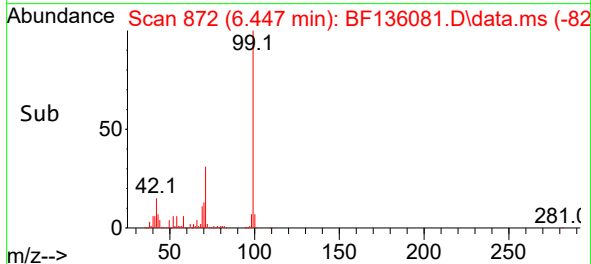
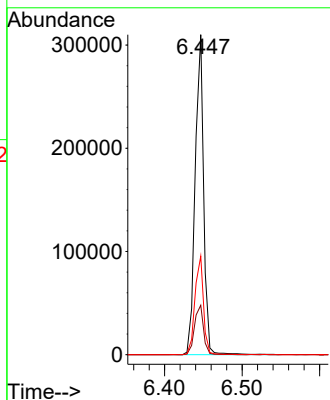
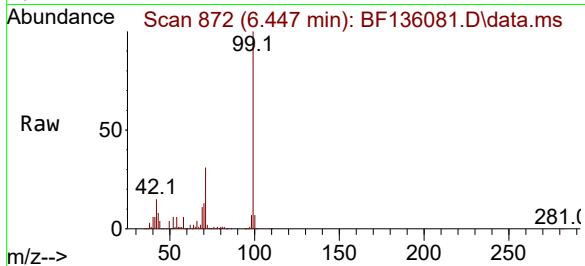




#7
Phenol-d6
Concen: 22.623 ng
RT: 6.447 min Scan# 81
Delta R.T. -0.011 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

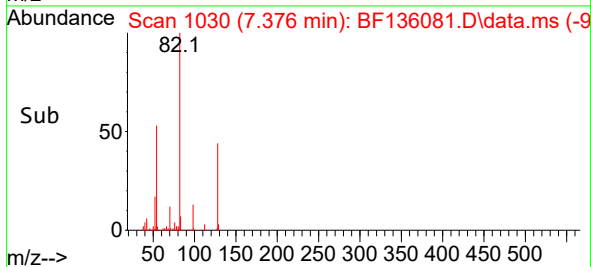
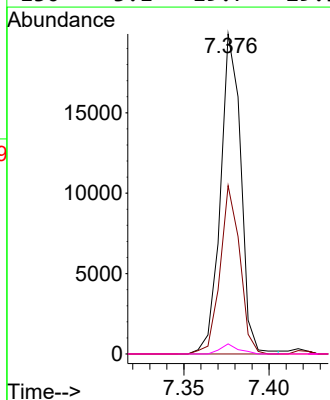
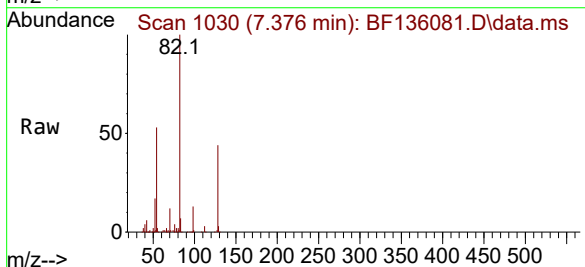
Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)DL

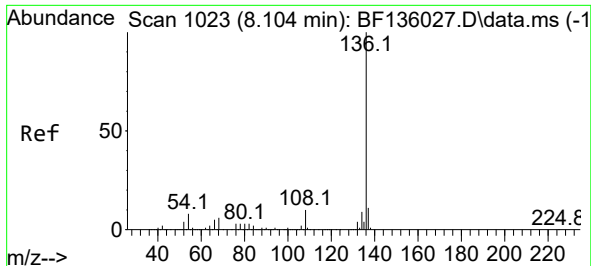
Tgt Ion: 99 Resp: 235016
Ion Ratio Lower Upper
99 100
42 15.4 13.7 20.5
71 30.8 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 2.789 ng
RT: 7.376 min Scan# 1030
Delta R.T. 0.131 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

Tgt Ion: 70 Resp: 16555
Ion Ratio Lower Upper
70 100
42 52.6 43.0 64.4
101 0.0 8.0 12.0#
130 3.1 19.7 29.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.099 min Scan# 1153

Delta R.T. -0.005 min

Lab File: BF136081.D

Acq: 01 Nov 2023 17:27

Instrument :

BNA_F

ClientSampleId :

M-4(50FT)(0-5)DL

Tgt Ion:136 Resp: 502033

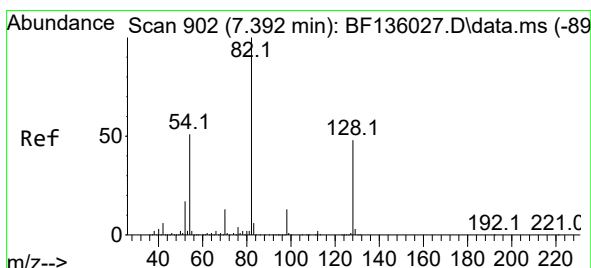
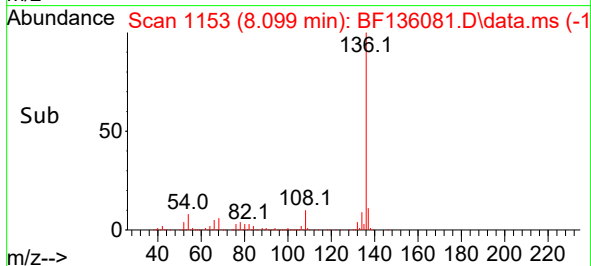
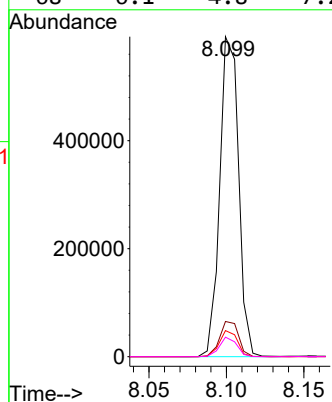
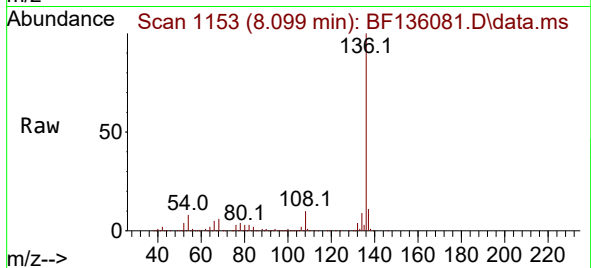
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 8.2 6.6 9.8

68 6.1 4.8 7.2



#23

Nitrobenzene-d5

Concen: 15.533 ng

RT: 7.376 min Scan# 1030

Delta R.T. -0.016 min

Lab File: BF136081.D

Acq: 01 Nov 2023 17:27

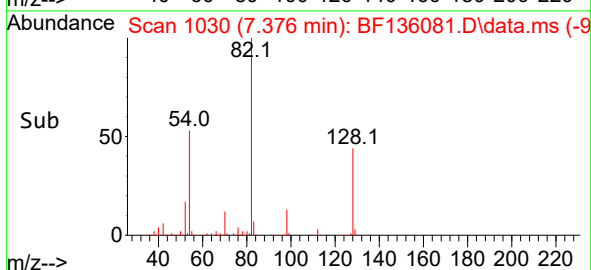
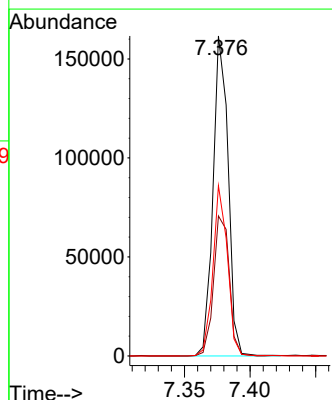
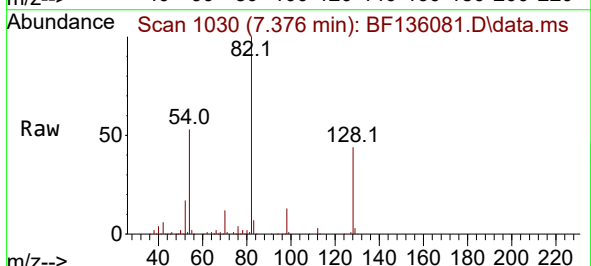
Tgt Ion: 82 Resp: 129362

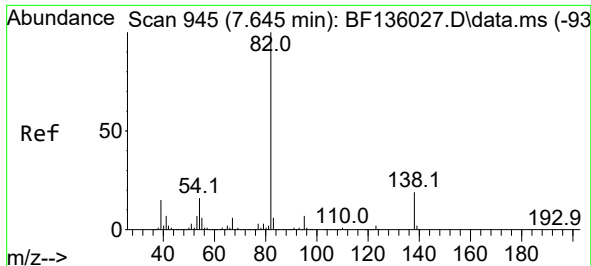
Ion Ratio Lower Upper

82 100

128 43.8 38.6 57.8

54 53.2 40.8 61.2

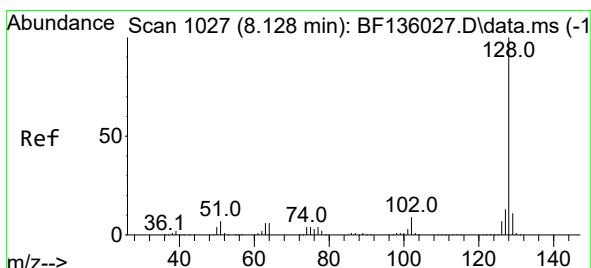
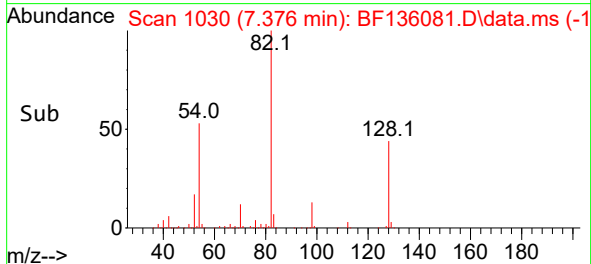
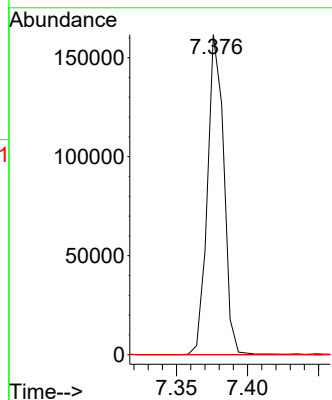
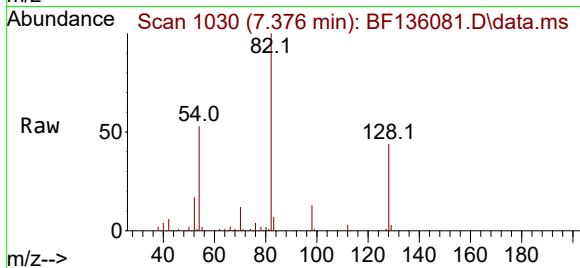




#25
Isophorone
Concen: 8.228 ng
RT: 7.376 min Scan# 1157
Delta R.T. -0.269 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

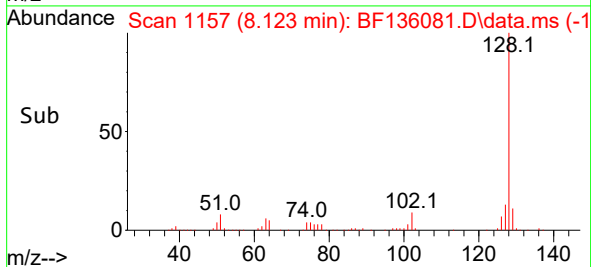
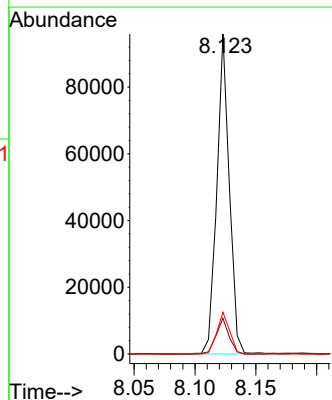
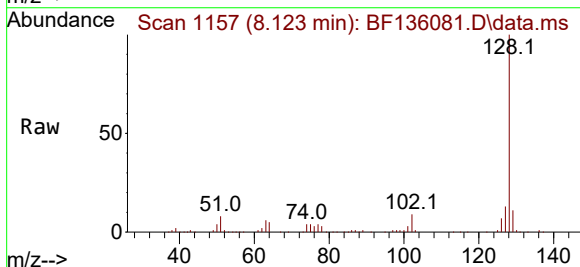
Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)DL

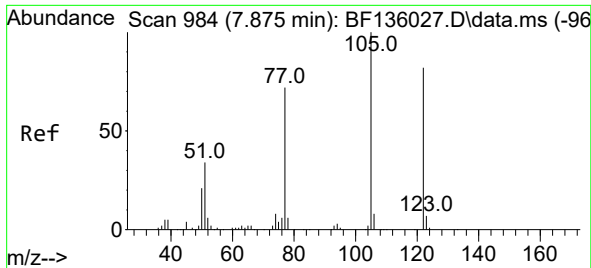
Tgt Ion: 82 Resp: 129359
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#31
Naphthalene
Concen: 2.843 ng
RT: 8.123 min Scan# 1157
Delta R.T. -0.005 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

Tgt Ion: 128 Resp: 68815
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.0 10.5 15.7

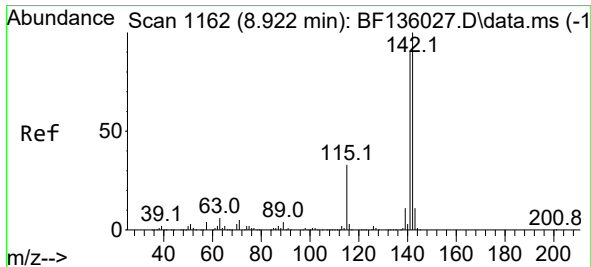
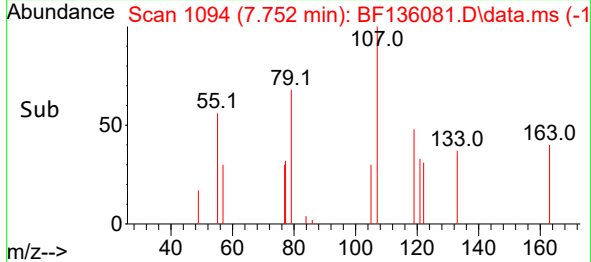
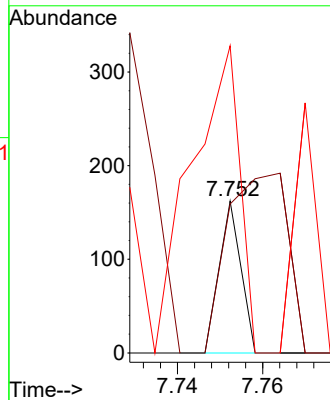
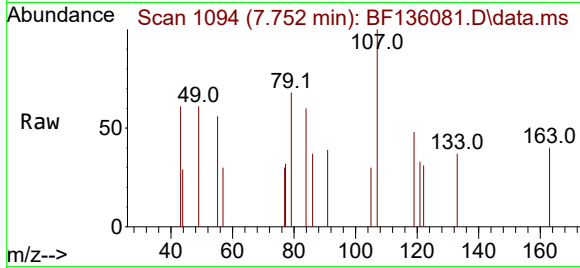




#32
Benzoic acid
Concen: 5.123 ng
RT: 7.752 min Scan# 1094
Delta R.T. -0.123 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

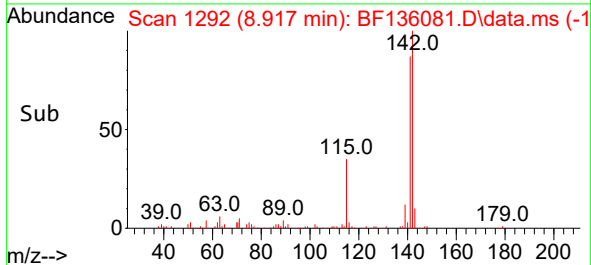
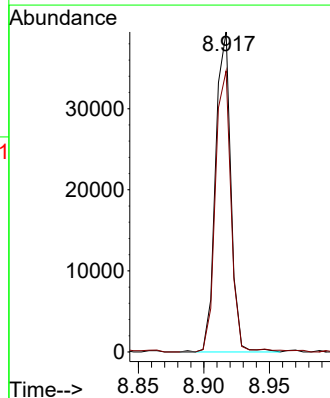
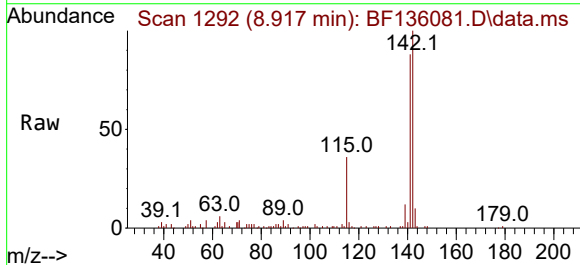
Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)DL

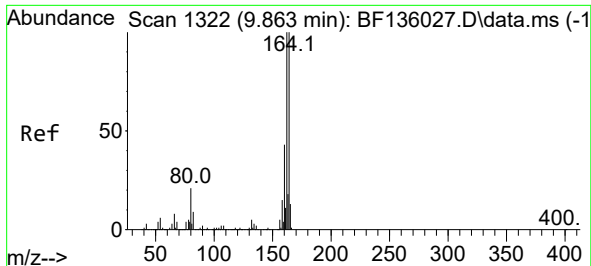
Tgt Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 98.1 99.5 139.5#
77 202.5 66.8 106.8#



#38
1-Methylnaphthalene
Concen: 2.119 ng
RT: 8.917 min Scan# 1292
Delta R.T. -0.005 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

Tgt Ion:142 Resp: 32010
Ion Ratio Lower Upper
142 100
141 87.9 72.6 109.0

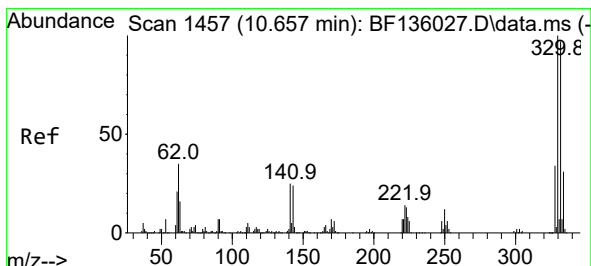
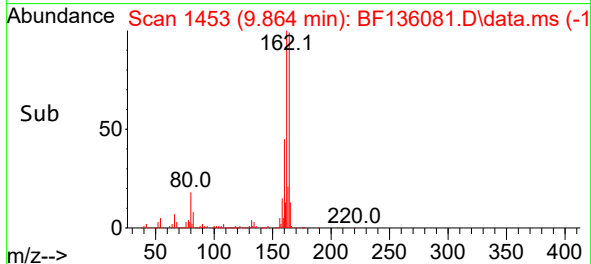
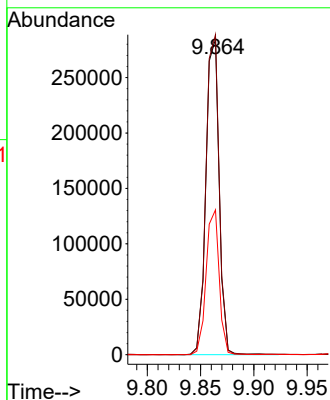
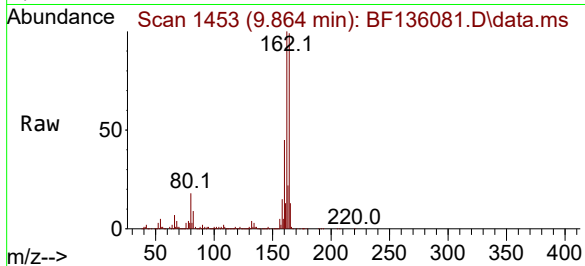




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.864 min Scan# 14
Delta R.T. 0.001 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

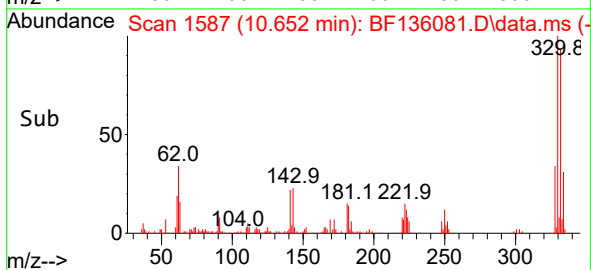
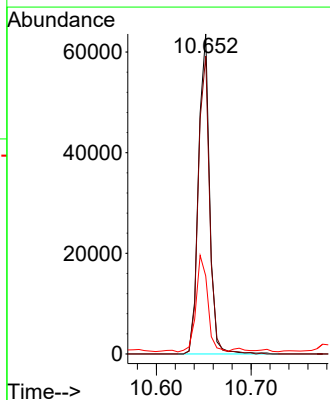
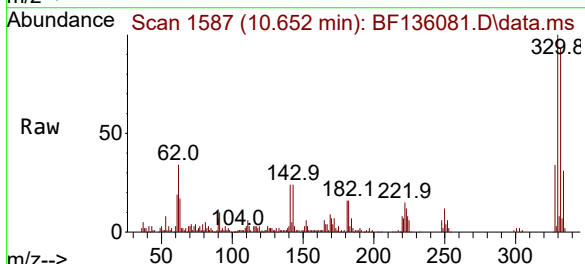
Instrument :
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ClientSampleId :
M-4(50FT)(0-5)DL

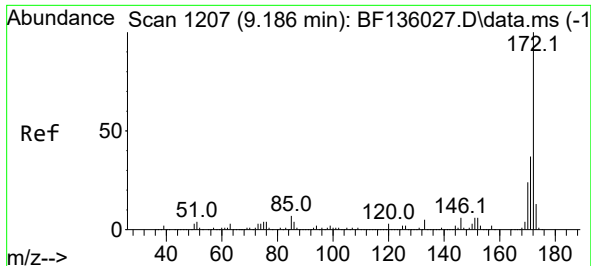
Tgt Ion:164 Resp: 246978
Ion Ratio Lower Upper
164 100
162 101.4 80.1 120.1
160 45.9 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 19.633 ng
RT: 10.652 min Scan# 1587
Delta R.T. -0.005 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

Tgt Ion:330 Resp: 51755
Ion Ratio Lower Upper
330 100
332 95.4 76.9 115.3
141 31.8 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 18.477 ng

RT: 9.182 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF136081.D

Acq: 01 Nov 2023 17:27

Instrument :

BNA_F

ClientSampleId :

M-4(50FT)(0-5)DL

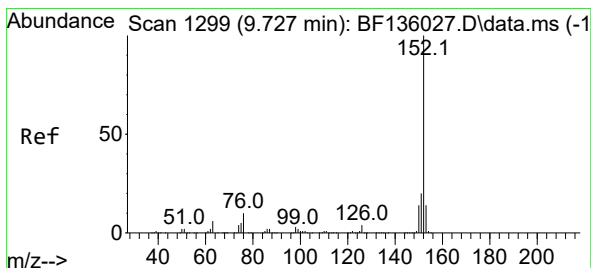
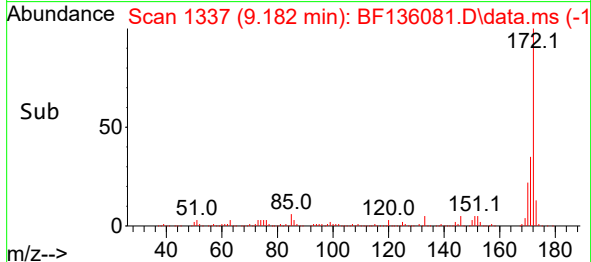
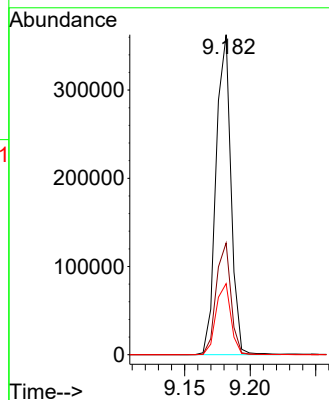
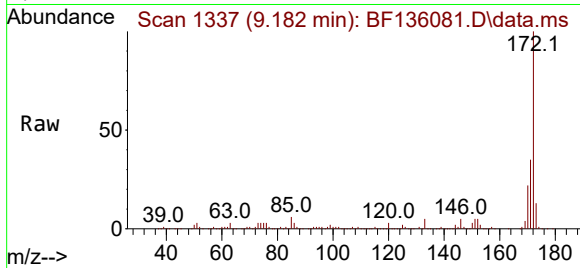
Tgt Ion:172 Resp: 286271

Ion Ratio Lower Upper

172 100

171 34.9 29.4 44.0

170 22.2 19.3 28.9



#49

Acenaphthylene

Concen: 4.222 ng

RT: 9.723 min Scan# 1429

Delta R.T. -0.005 min

Lab File: BF136081.D

Acq: 01 Nov 2023 17:27

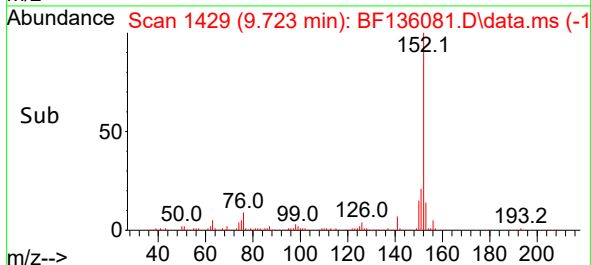
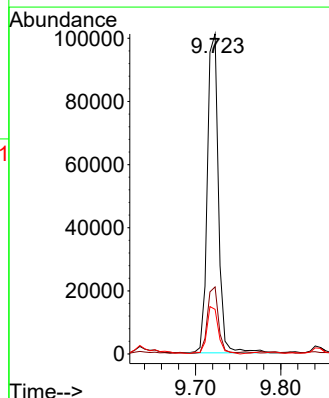
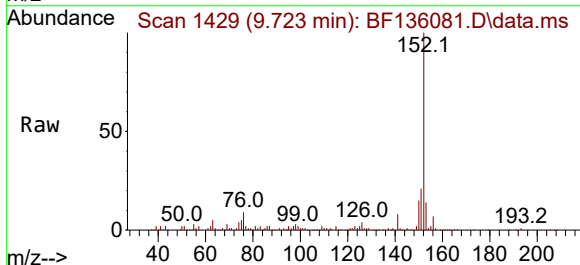
Tgt Ion:152 Resp: 91423

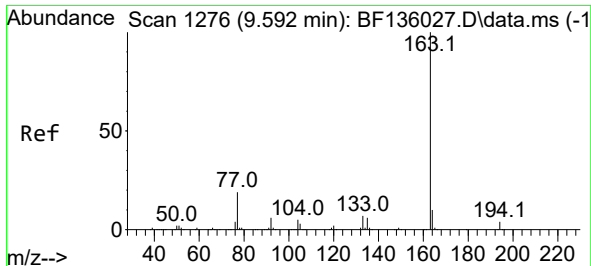
Ion Ratio Lower Upper

152 100

151 21.0 16.1 24.1

153 14.0 11.4 17.2





#50

Dimethylphthalate

Concen: 3.130 ng

RT: 9.864 min Scan# 1453

Delta R.T. 0.272 min

Lab File: BF136081.D

Acq: 01 Nov 2023 17:27

Instrument :

BNA_F

ClientSampleId :

M-4(50FT)(0-5)DL

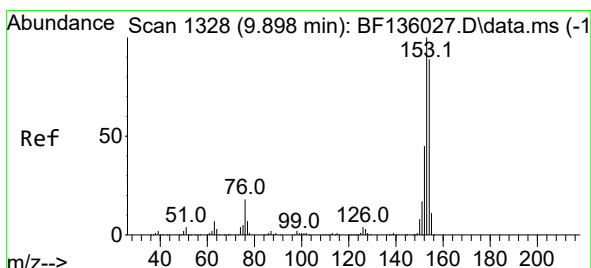
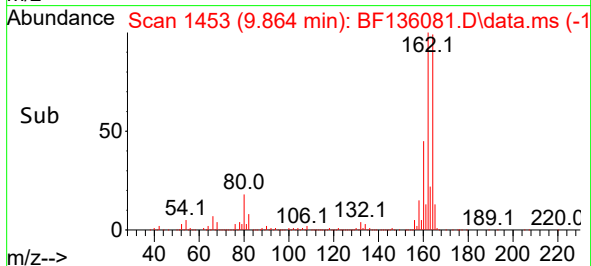
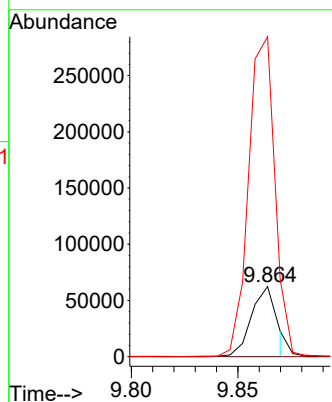
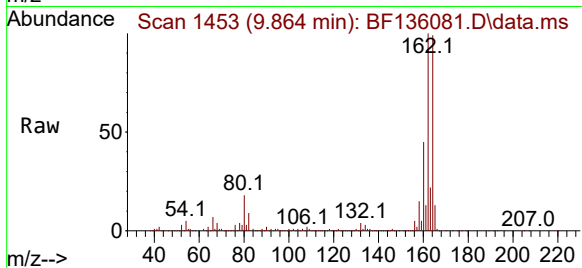
Tgt Ion:163 Resp: 50987

Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 456.8 8.1 12.1#



#52

Acenaphthene

Concen: 2.317 ng

RT: 9.893 min Scan# 1458

Delta R.T. -0.005 min

Lab File: BF136081.D

Acq: 01 Nov 2023 17:27

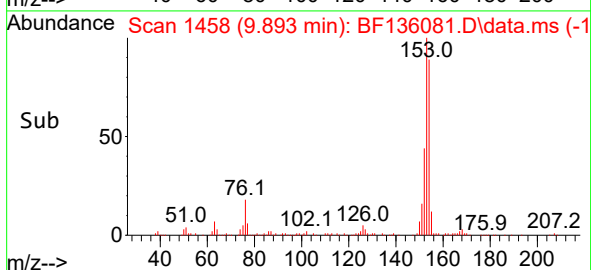
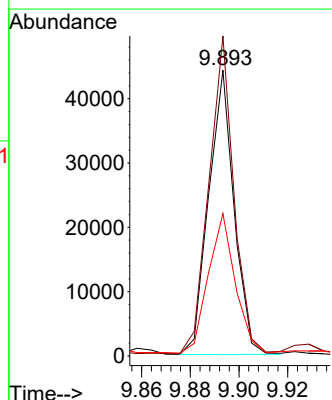
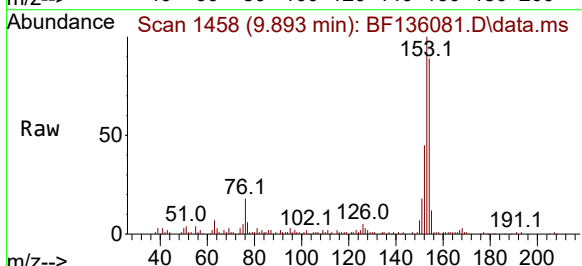
Tgt Ion:154 Resp: 31889

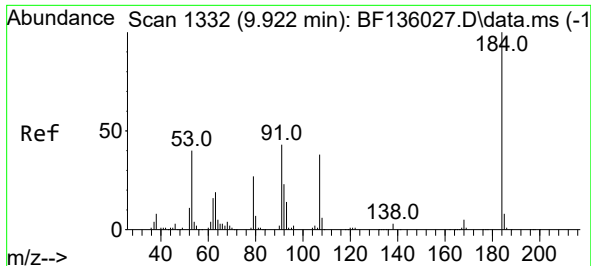
Ion Ratio Lower Upper

154 100

153 112.0 89.9 134.9

152 49.9 40.2 60.2

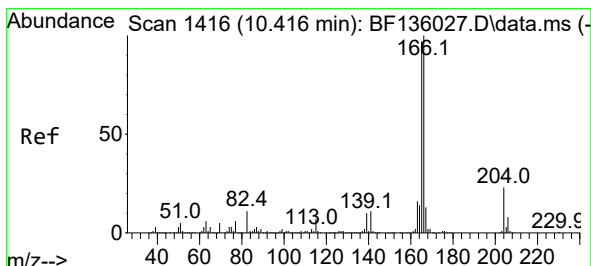
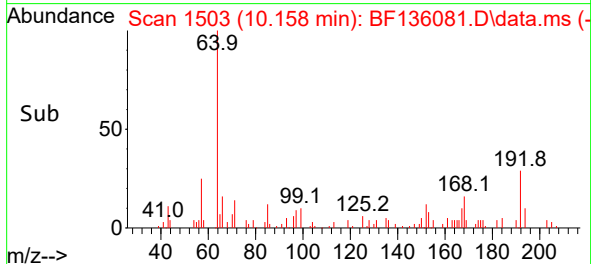
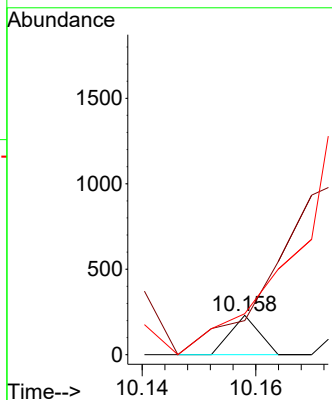
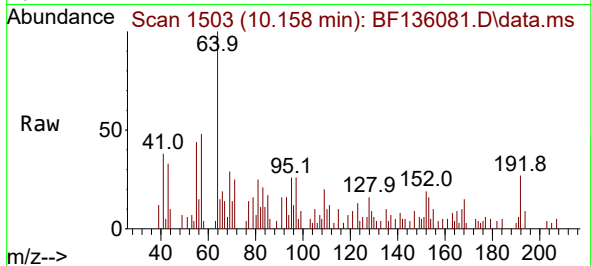




#54
2,4-Dinitrophenol
Concen: 8.016 ng
RT: 10.158 min Scan# 11
Delta R.T. 0.236 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

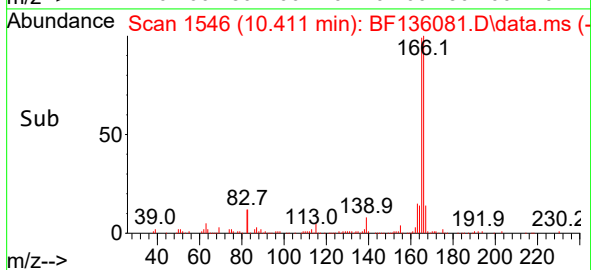
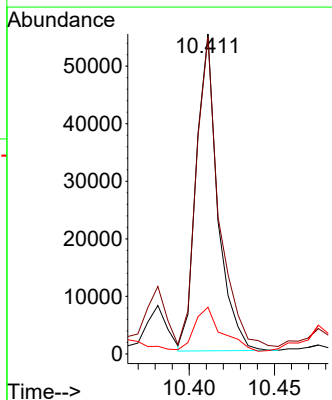
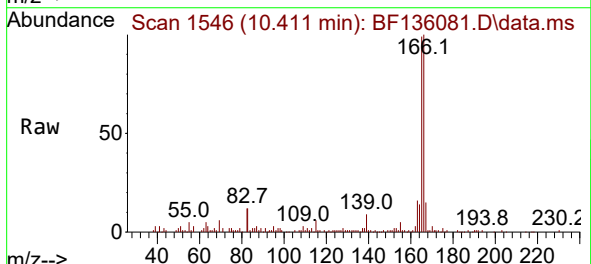
Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)DL

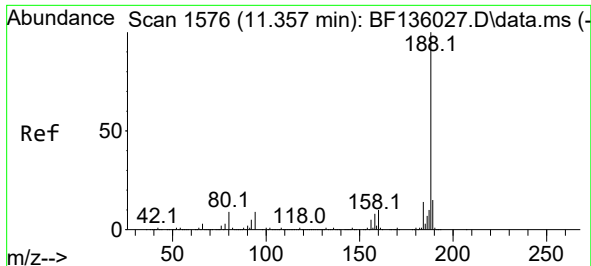
Tgt Ion:184 Resp: 81
Ion Ratio Lower Upper
184 100
63 87.0 43.7 65.5#
154 104.3 51.2 76.8#



#58
Fluorene
Concen: 3.206 ng
RT: 10.411 min Scan# 1546
Delta R.T. -0.005 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

Tgt Ion:166 Resp: 48180
Ion Ratio Lower Upper
166 100
165 99.0 77.7 116.5
167 14.6 10.6 16.0

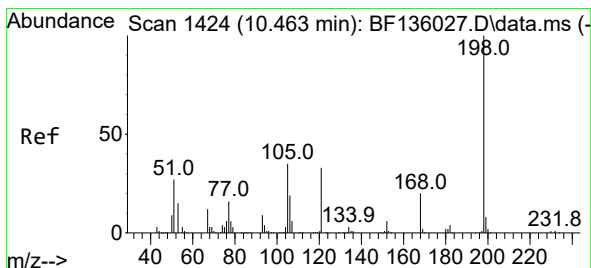
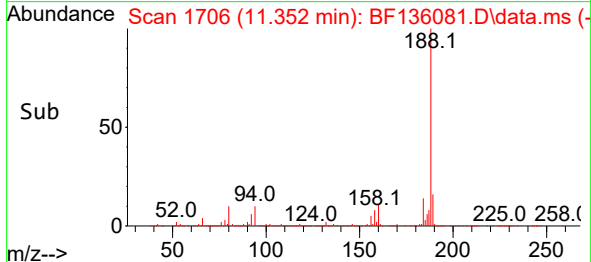
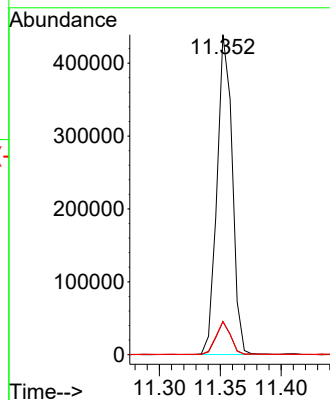
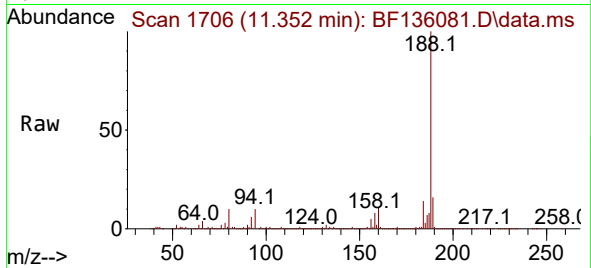




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.352 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

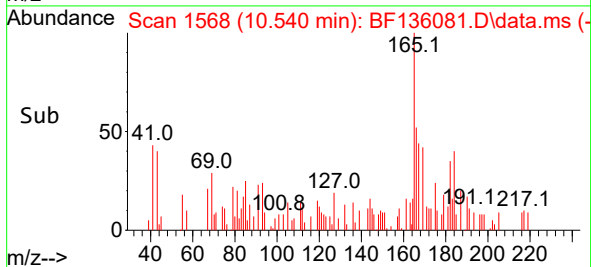
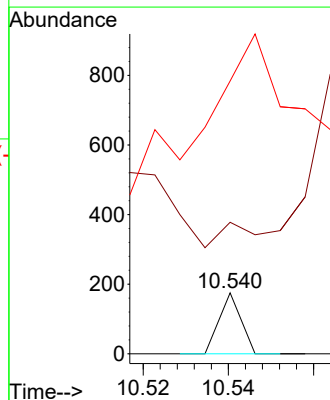
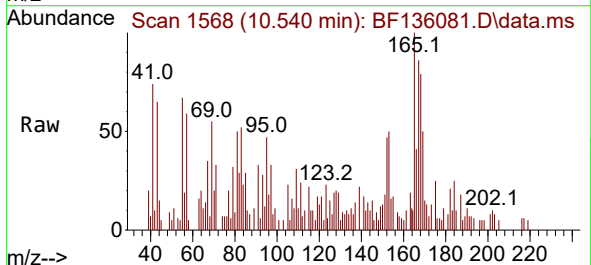
Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)DL

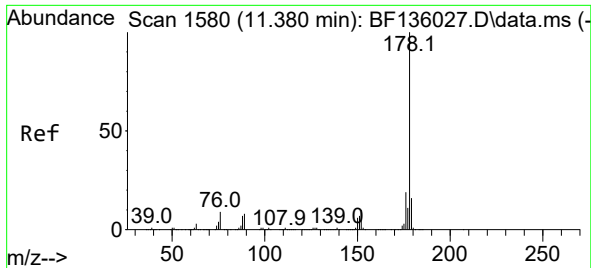
Tgt Ion:188 Resp: 382561
Ion Ratio Lower Upper
188 100
94 10.4 7.2 10.8
80 10.4 7.4 11.0



#65
4,6-Dinitro-2-methylphenol
Concen: 5.817 ng
RT: 10.540 min Scan# 1568
Delta R.T. 0.077 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

Tgt Ion:198 Resp: 62
Ion Ratio Lower Upper
198 100
51 216.0 12.9 52.9#
105 448.0 16.0 56.0#

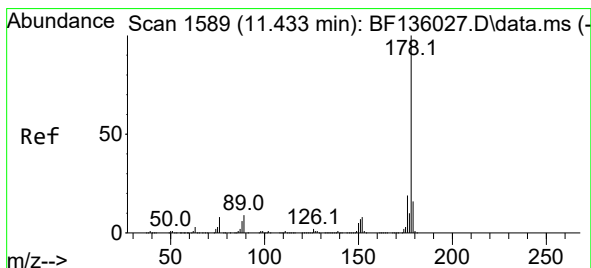
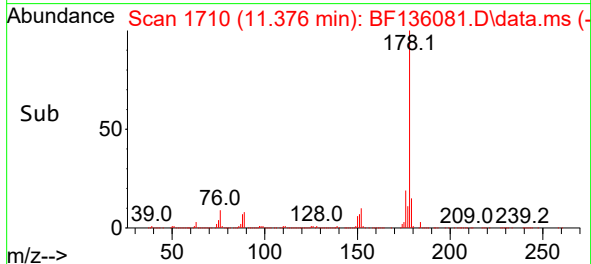
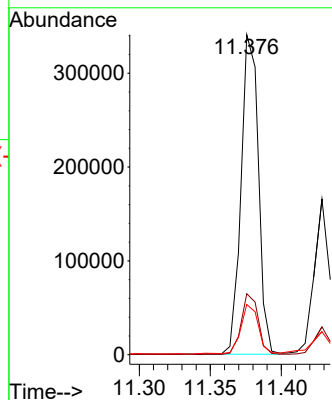
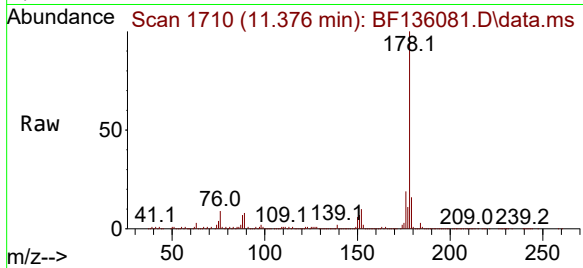




#71
Phenanthrene
Concen: 15.100 ng
RT: 11.376 min Scan# 1718
Delta R.T. -0.005 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

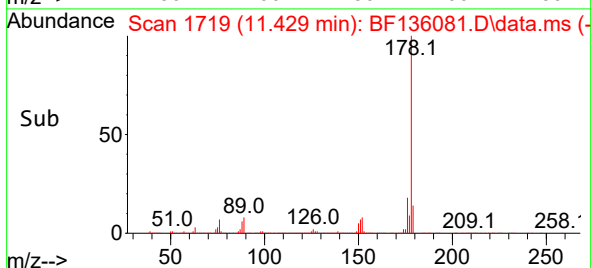
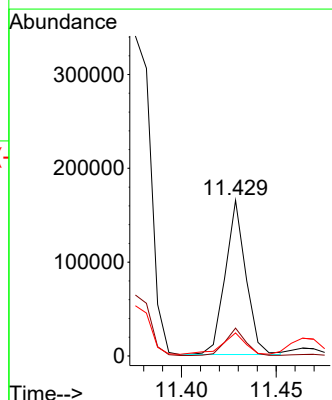
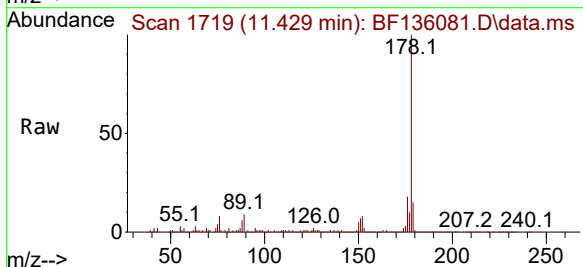
Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)DL

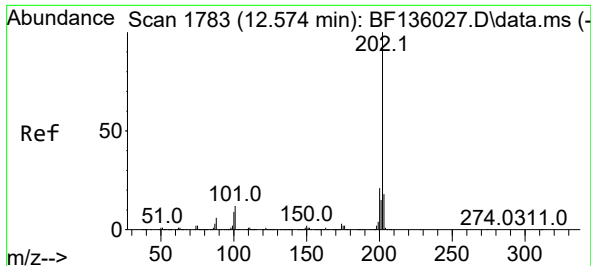
Tgt Ion:178 Resp: 290860
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.7 12.9 19.3



#72
Anthracene
Concen: 6.305 ng
RT: 11.429 min Scan# 1719
Delta R.T. -0.005 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

Tgt Ion:178 Resp: 124441
Ion Ratio Lower Upper
178 100
176 17.8 15.0 22.4
179 14.8 12.6 18.8

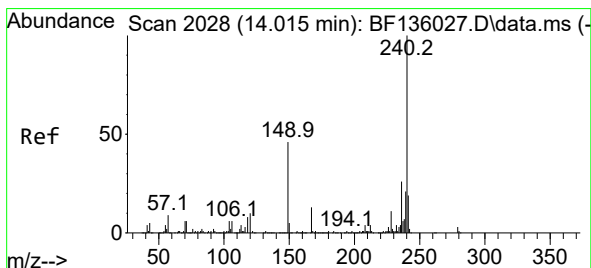
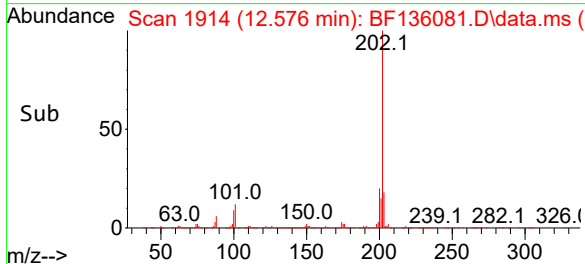
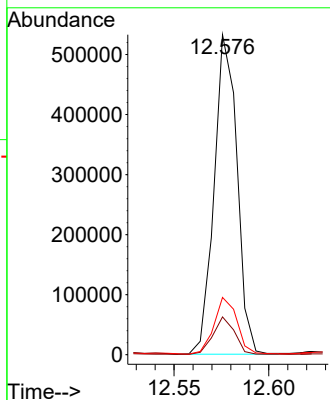
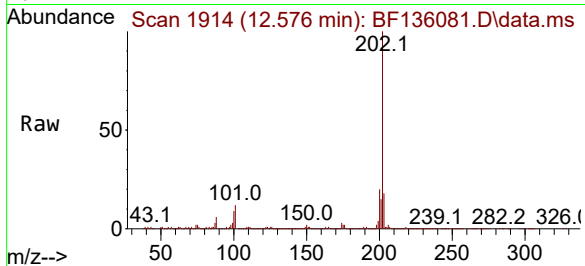




#75
Fluoranthene
Concen: 22.616 ng
RT: 12.576 min Scan# 11
Delta R.T. 0.001 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

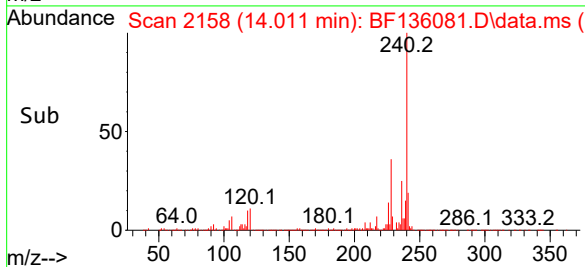
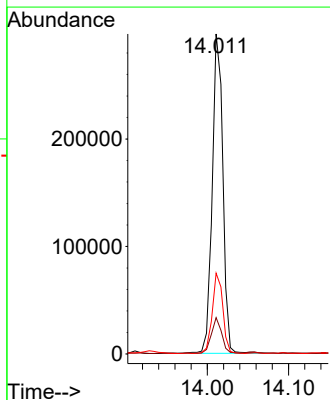
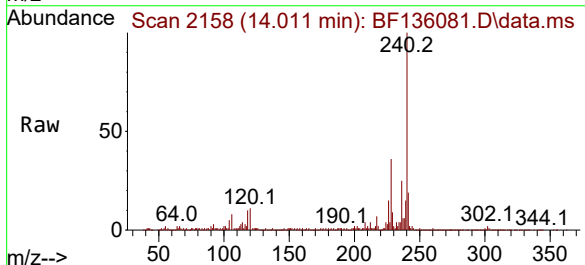
Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)DL

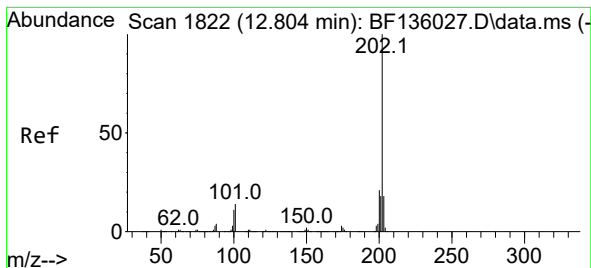
Tgt Ion:202 Resp: 447536
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.8
203 17.9 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.011 min Scan# 2158
Delta R.T. -0.005 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

Tgt Ion:240 Resp: 269296
Ion Ratio Lower Upper
240 100
120 11.4 7.6 11.4
236 25.3 20.6 31.0





#78

Pyrene

Concen: 25.727 ng

RT: 12.805 min Scan# 1953

Delta R.T. 0.001 min

Lab File: BF136081.D

Acq: 01 Nov 2023 17:27

Instrument :

BNA_F

ClientSampleId :

M-4(50FT)(0-5)DL

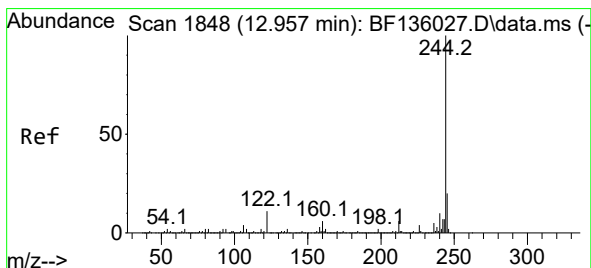
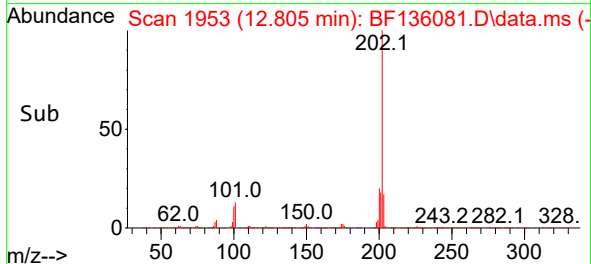
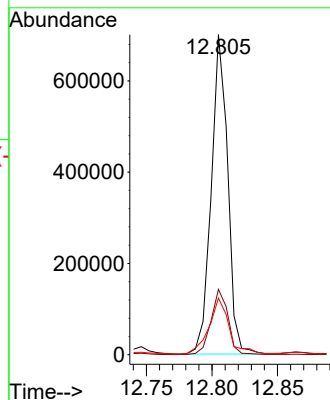
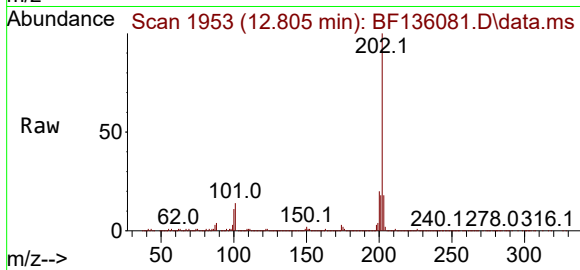
Tgt Ion:202 Resp: 610817

Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.4

203 17.7 14.4 21.6



#79

Terphenyl-d14

Concen: 14.065 ng

RT: 12.952 min Scan# 1978

Delta R.T. -0.005 min

Lab File: BF136081.D

Acq: 01 Nov 2023 17:27

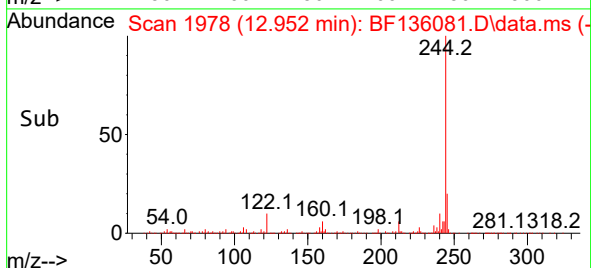
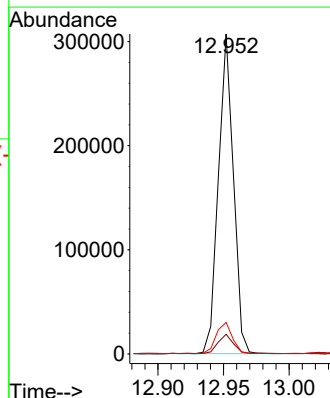
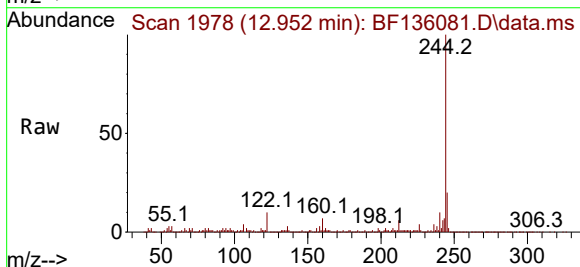
Tgt Ion:244 Resp: 243725

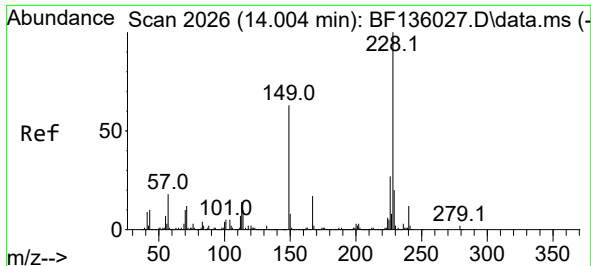
Ion Ratio Lower Upper

244 100

212 6.2 5.1 7.7

122 9.8 8.6 12.8

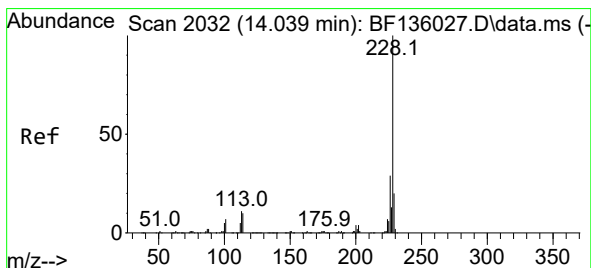
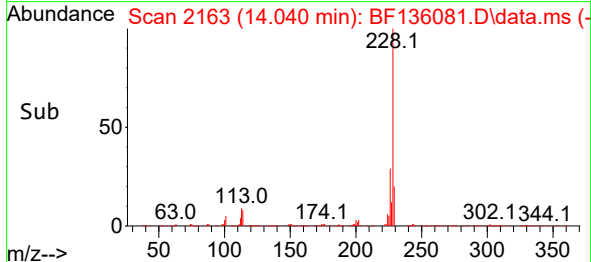
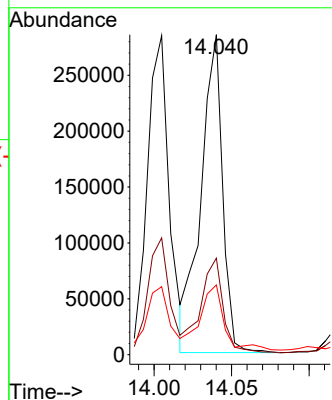
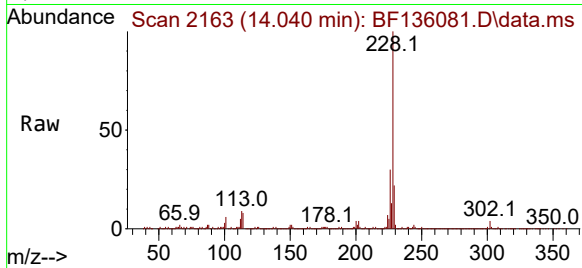




#81
Benzo(a)anthracene
Concen: 15.503 ng
RT: 14.040 min Scan# 2163
Delta R.T. 0.037 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

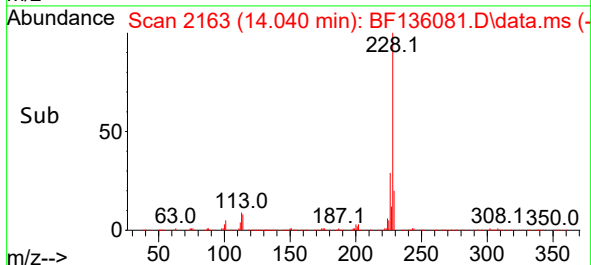
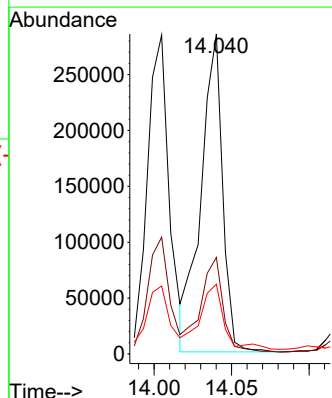
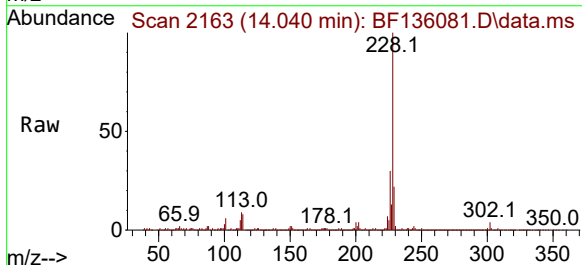
Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)DL

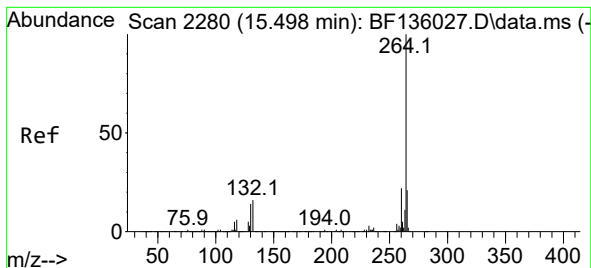
Tgt Ion:228 Resp: 276391
Ion Ratio Lower Upper
228 100
226 30.1 21.5 32.3
229 21.8 15.8 23.6



#83
Chrysene
Concen: 15.742 ng
RT: 14.040 min Scan# 2163
Delta R.T. 0.001 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

Tgt Ion:228 Resp: 276391
Ion Ratio Lower Upper
228 100
226 30.1 23.5 35.3
229 21.8 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.505 min Scan# 2412

Delta R.T. 0.007 min

Lab File: BF136081.D

Acq: 01 Nov 2023 17:27

Instrument :

BNA_F

ClientSampleId :

M-4(50FT)(0-5)DL

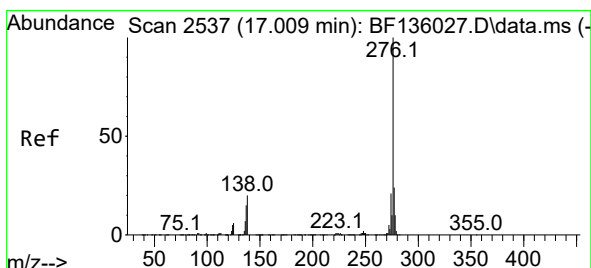
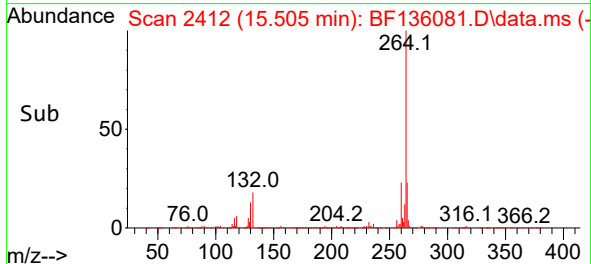
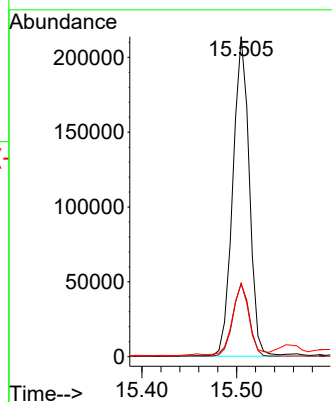
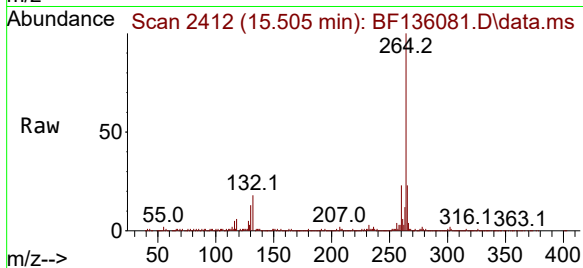
Tgt Ion:264 Resp: 258338

Ion Ratio Lower Upper

264 100

260 22.9 17.9 26.9

265 22.8 16.8 25.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.625 ng

RT: 17.011 min Scan# 2668

Delta R.T. 0.001 min

Lab File: BF136081.D

Acq: 01 Nov 2023 17:27

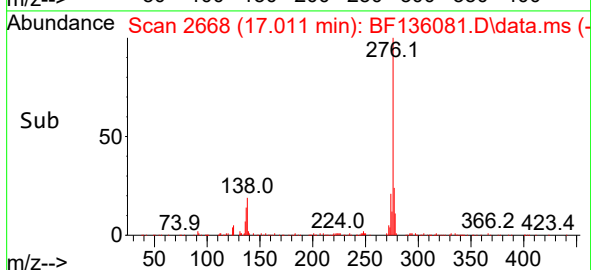
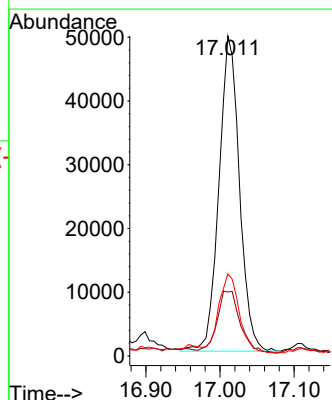
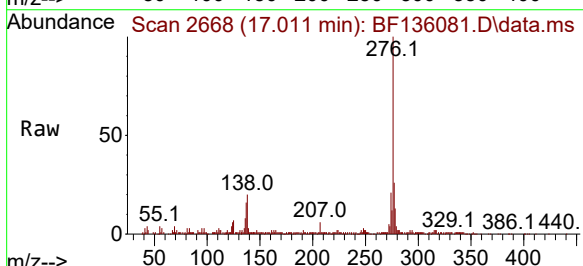
Tgt Ion:276 Resp: 94976

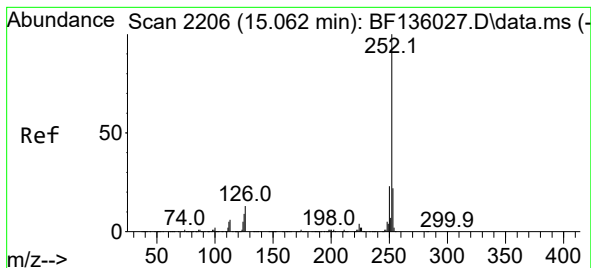
Ion Ratio Lower Upper

276 100

138 22.1 20.4 30.6

277 25.8 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 21.699 ng

RT: 15.064 min Scan# 21

Delta R.T. 0.001 min

Lab File: BF136081.D

Acq: 01 Nov 2023 17:27

Instrument :

BNA_F

ClientSampleId :

M-4(50FT)(0-5)DL

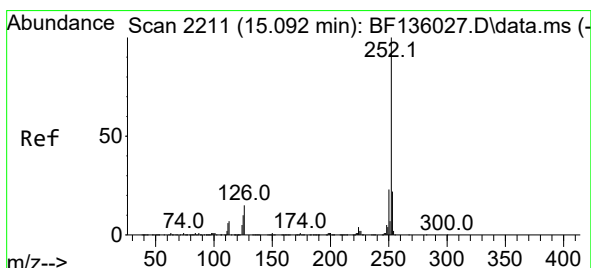
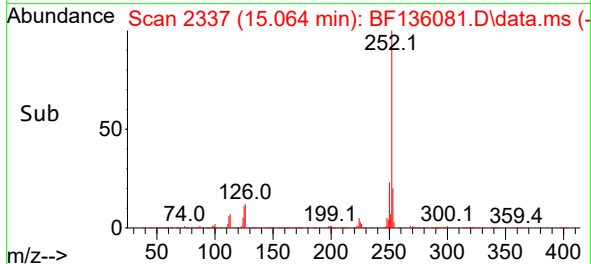
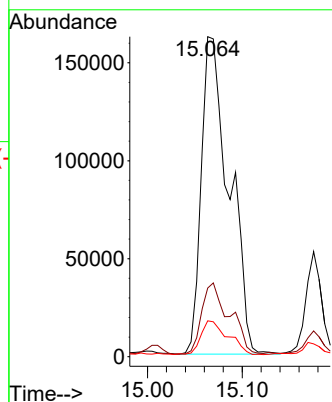
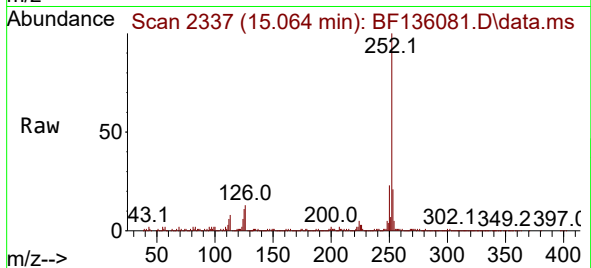
Tgt Ion:252 Resp: 331696

Ion Ratio Lower Upper

252 100

253 21.4 17.7 26.5

125 11.2 7.5 11.3



#89

Benzo(k)fluoranthene

Concen: 21.930 ng

RT: 15.064 min Scan# 2337

Delta R.T. -0.028 min

Lab File: BF136081.D

Acq: 01 Nov 2023 17:27

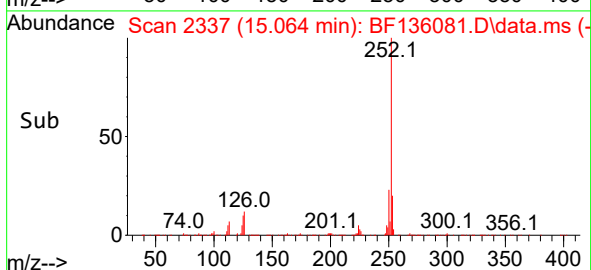
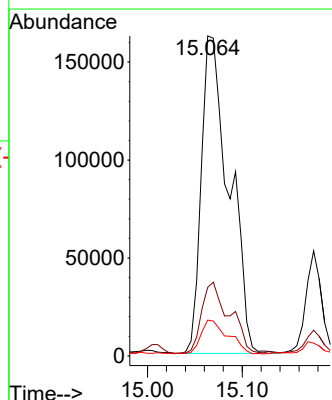
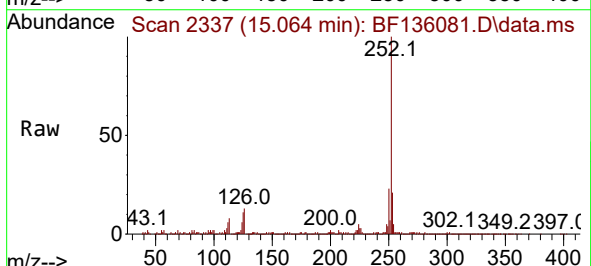
Tgt Ion:252 Resp: 331696

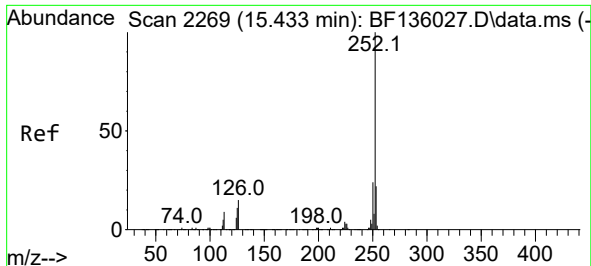
Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.0

125 11.2 8.0 12.0

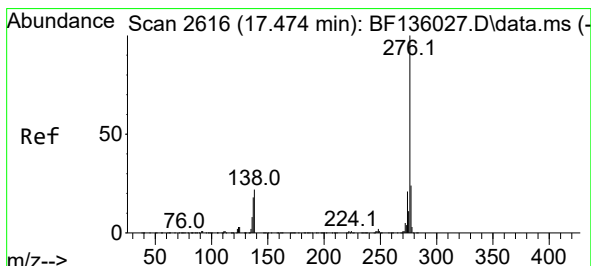
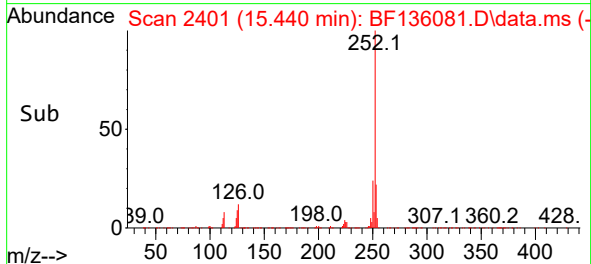
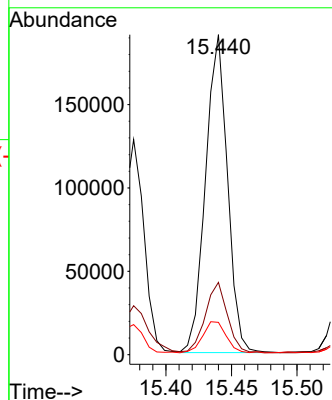
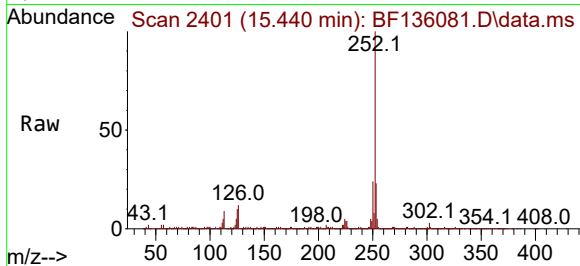




#90
Benzo(a)pyrene
Concen: 15.654 ng
RT: 15.440 min Scan# 24
Delta R.T. 0.007 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)DL

Tgt Ion:252 Resp: 222332
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 10.1 9.0 13.6



#92
Benzo(g,h,i)perylene
Concen: 8.870 ng
RT: 17.469 min Scan# 2746
Delta R.T. -0.005 min
Lab File: BF136081.D
Acq: 01 Nov 2023 17:27

Tgt Ion:276 Resp: 100114
Ion Ratio Lower Upper
276 100
277 23.4 19.0 28.4
138 20.7 17.4 26.2

