

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032124\
 Data File : BF137675.D
 Acq On : 21 Mar 2024 22:23
 Operator : CG\JU
 Sample : P1804-01DL 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-03192024-ADL

Quant Time: Mar 22 01:45:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 14:45:20 2024
 Response via : Initial Calibration

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

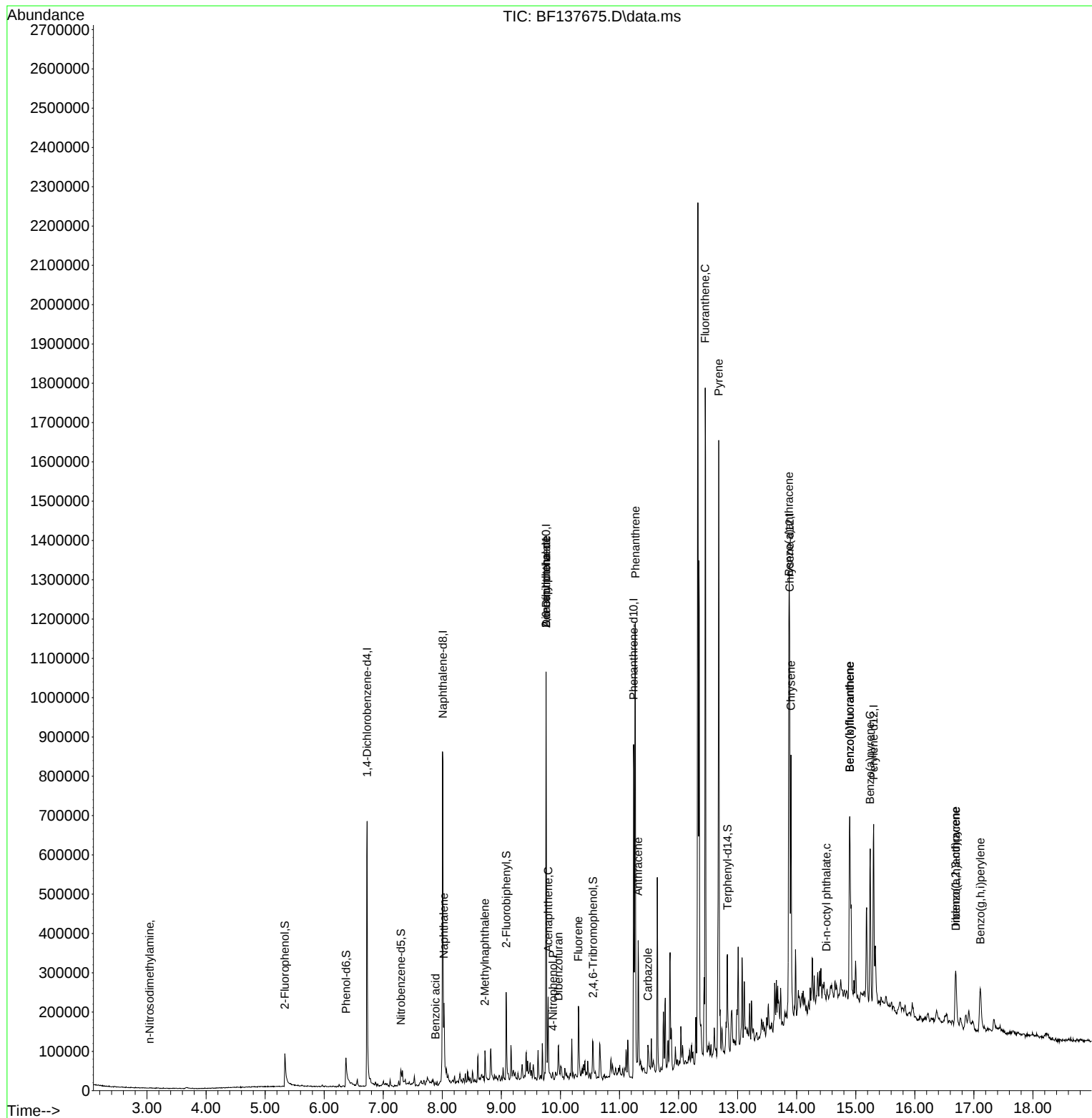
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	114198	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	416504	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	199339	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	322356	20.000	ng	0.00
76) Chrysene-d12	13.880	240	274140	20.000	ng	0.00
86) Perylene-d12	15.304	264	206955	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	48389	6.418	ng	0.00
7) Phenol-d6	6.369	99	59307	5.449	ng	0.00
23) Nitrobenzene-d5	7.298	82	30312	3.382	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	10619	6.066	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	80962	6.358	ng	0.00
79) Terphenyl-d14	12.827	244	92008	4.615	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.046	42	187	3.851	ng	# 1
31) Naphthalene	8.028	128	80308	3.594	ng	98
32) Benzoic acid	7.887	122	58	6.312	ng	# 1
37) 2-Methylnaphthalene	8.722	142	28834	2.024	ng	99
50) Dimethylphthalate	9.757	163	28786	2.074	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	26938	9.281	ng	# 20
52) Acenaphthene	9.792	154	40964	3.854	ng	98
55) Dibenzofuran	9.969	168	39816	2.460	ng	97
56) 4-Nitrophenol	9.875	139	541	4.760	ng	# 1
58) Fluorene	10.304	166	61942	4.983	ng	99
71) Phenanthrene	11.269	178	465584	26.539	ng	98
72) Anthracene	11.316	178	157618	8.748	ng	97
73) Carbazole	11.480	167	39168	2.538	ng	100
75) Fluoranthene	12.451	202	695166	40.539	ng	99
78) Pyrene	12.680	202	617777	22.966	ng	99
81) Benzo(a)anthracene	13.868	228	317063	16.501	ng	99
83) Chrysene	13.904	228	253754	13.067	ng	96
85) Di-n-octyl phthalate	14.504	149	2978	5.763	ng	# 69
87) Indeno(1,2,3-cd)pyrene	16.692	276	94887	6.967	ng	94
88) Benzo(b)fluoranthene	14.898	252	349558	28.554	ng	99
89) Benzo(k)fluoranthene	14.898	252	349558	26.584	ng	98
90) Benzo(a)pyrene	15.245	252	183452	15.206	ng	98
91) Dibenzo(a,h)anthracene	16.698	278	22235	2.013	ng	# 91
92) Benzo(g,h,i)perylene	17.109	276	93496	8.240	ng	98

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

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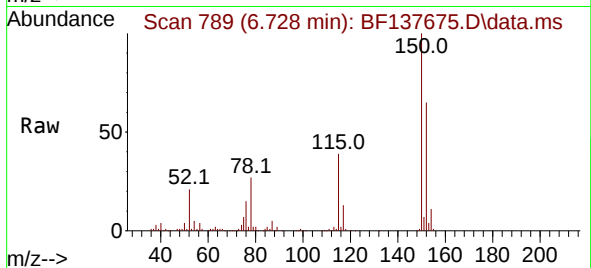
Quant Time: Mar 22 01:45:28 2024
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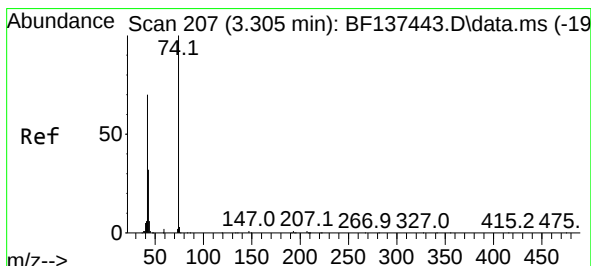
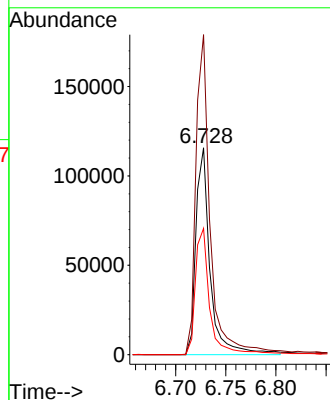
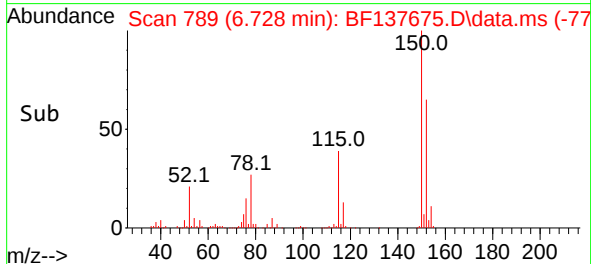


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137675.D
Acq: 21 Mar 2024 22:23

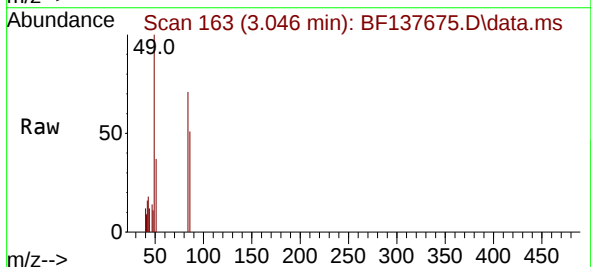
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BNA_F
ClientSampleId :
JC-03-03192024-ADL



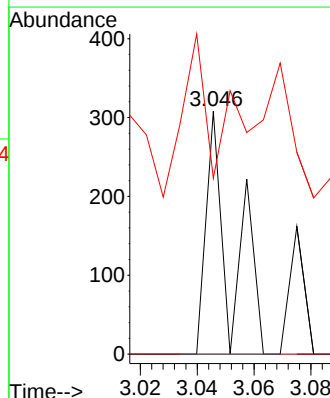
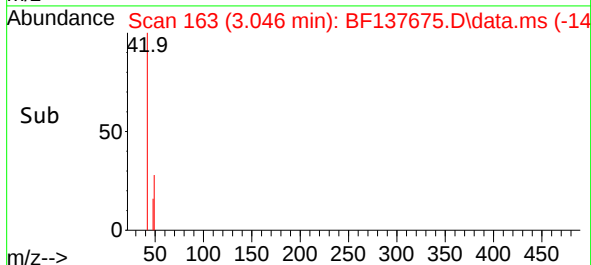
Tgt Ion:152 Resp: 114198
Ion Ratio Lower Upper
152 100
150 154.7 125.8 188.6
115 61.0 48.8 73.2

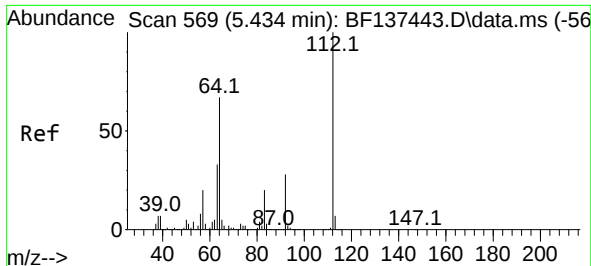


#4
n-Nitrosodimethylamine
Concen: 3.851 ng
RT: 3.046 min Scan# 163
Delta R.T. 0.006 min
Lab File: BF137675.D
Acq: 21 Mar 2024 22:23



Tgt Ion: 42 Resp: 187
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 72.4 7.0 10.4#

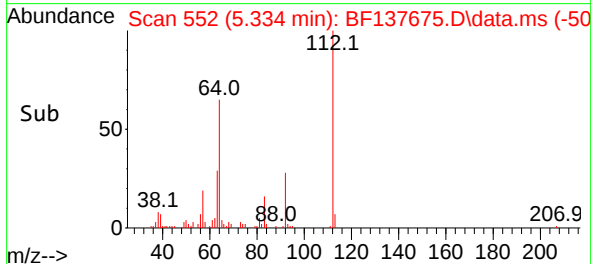
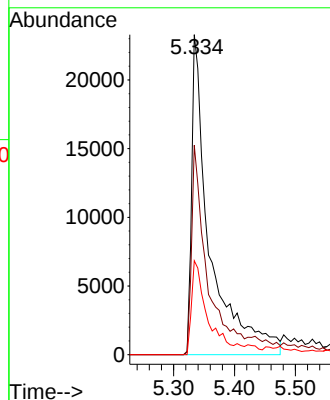
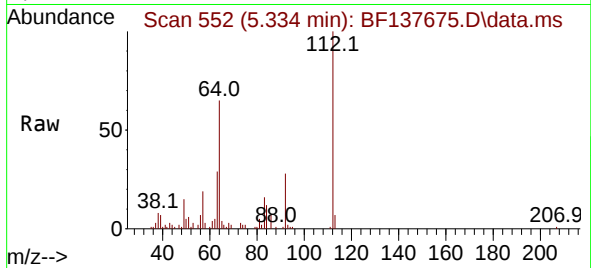




#5
2-Fluorophenol
Concen: 6.418 ng
RT: 5.334 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF137675.D
Acq: 21 Mar 2024 22:23

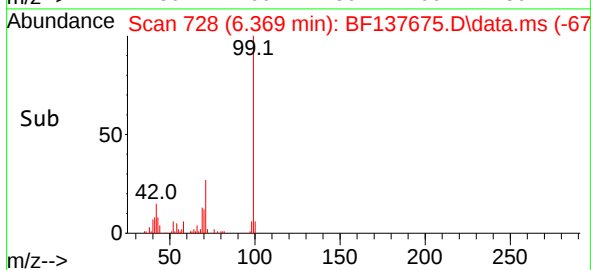
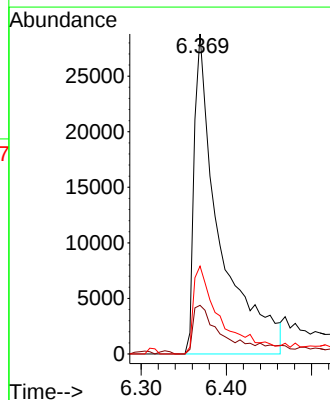
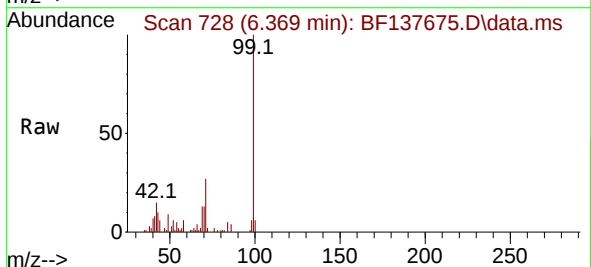
Instrument :
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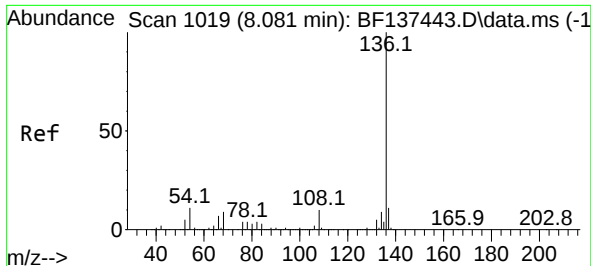
Tgt Ion:112 Resp: 48389
Ion Ratio Lower Upper
112 100
64 65.5 53.4 80.2
63 29.3 26.2 39.2



#7
Phenol-d6
Concen: 5.449 ng
RT: 6.369 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF137675.D
Acq: 21 Mar 2024 22:23

Tgt Ion: 99 Resp: 59307
Ion Ratio Lower Upper
99 100
42 15.2 14.6 21.8
71 27.4 25.3 37.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.010 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

Instrument :

BNA_F

ClientSampleId :

JC-03-03192024-ADL

Tgt Ion:136 Resp: 416504

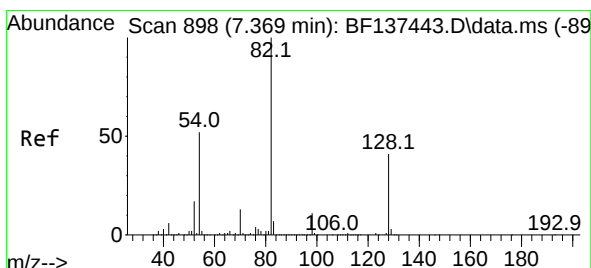
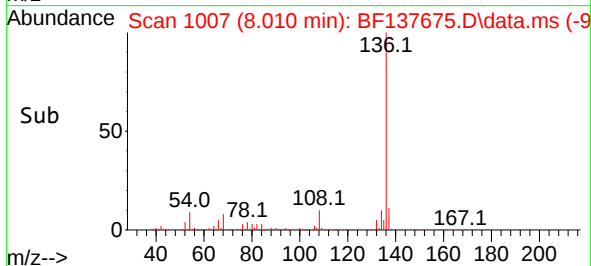
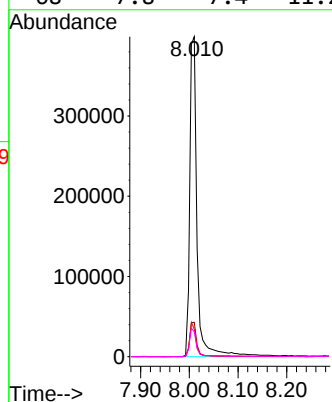
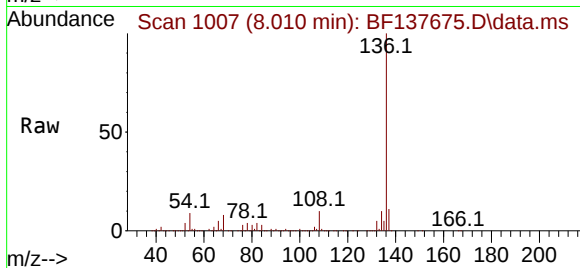
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 8.6 8.5 12.7

68 7.8 7.4 11.2



#23

Nitrobenzene-d5

Concen: 3.382 ng

RT: 7.298 min Scan# 886

Delta R.T. -0.000 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

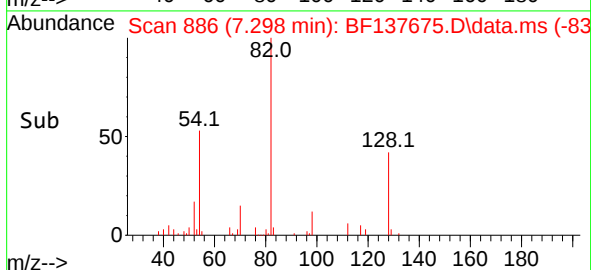
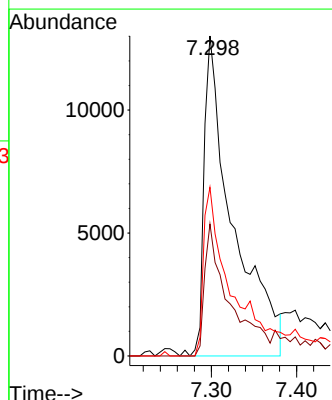
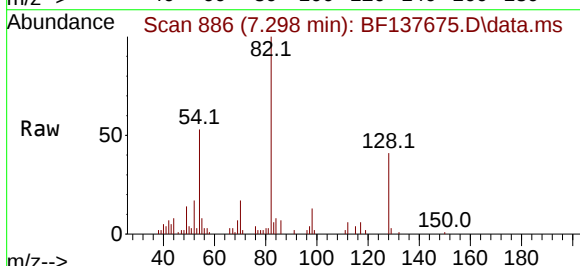
Tgt Ion: 82 Resp: 30312

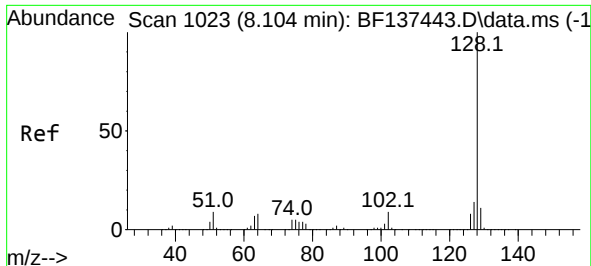
Ion Ratio Lower Upper

82 100

128 41.3 32.5 48.7

54 52.7 41.5 62.3

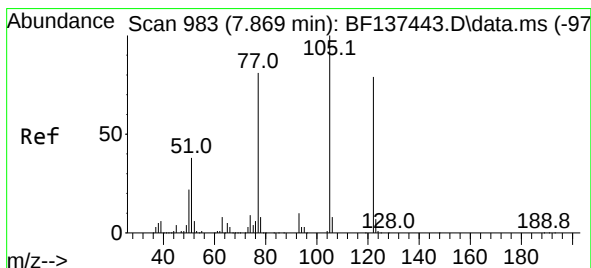
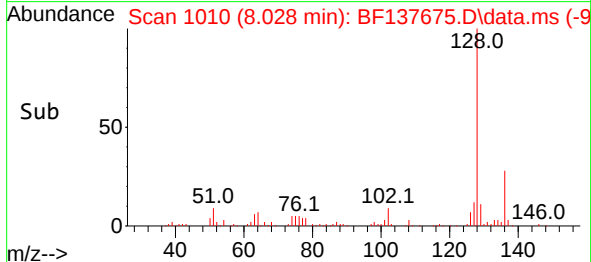
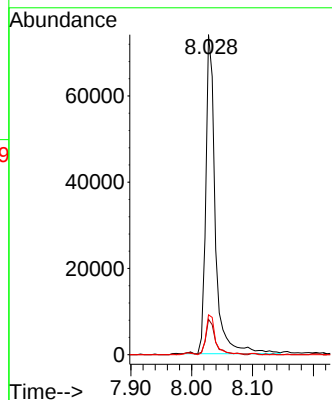
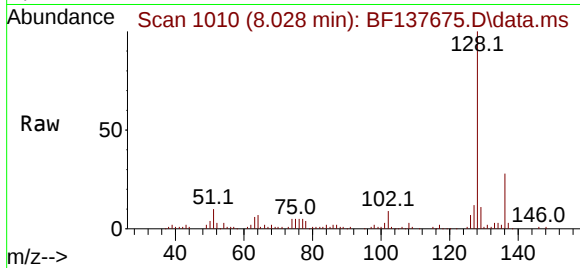




#31
Naphthalene
Concen: 3.594 ng
RT: 8.028 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF137675.D
Acq: 21 Mar 2024 22:23

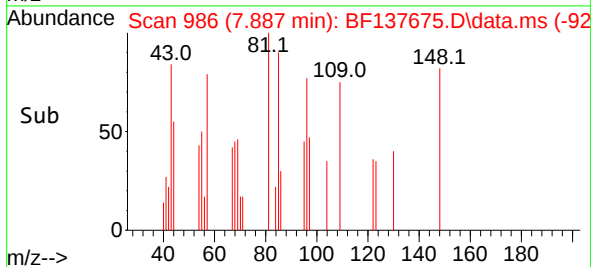
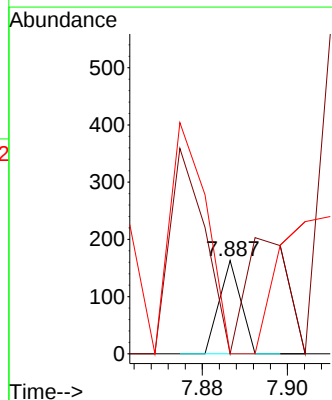
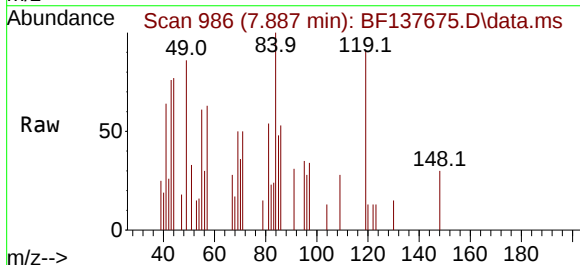
Instrument :
BNA_F
ClientSampleId :
JC-03-03192024-ADL

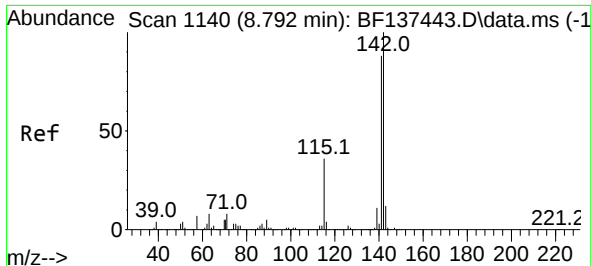
Tgt Ion:128 Resp: 80308
Ion Ratio Lower Upper
128 100
129 11.1 9.2 13.8
127 12.4 10.8 16.2



#32
Benzoic acid
Concen: 6.312 ng
RT: 7.887 min Scan# 986
Delta R.T. 0.088 min
Lab File: BF137675.D
Acq: 21 Mar 2024 22:23

Tgt Ion:122 Resp: 58
Ion Ratio Lower Upper
122 100
105 0.0 102.4 142.4#
77 0.0 81.1 121.1#





#37

2-Methylnaphthalene

Concen: 2.024 ng

RT: 8.722 min Scan# 1140

Delta R.T. -0.000 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

Instrument :

BNA_F

ClientSampleId :

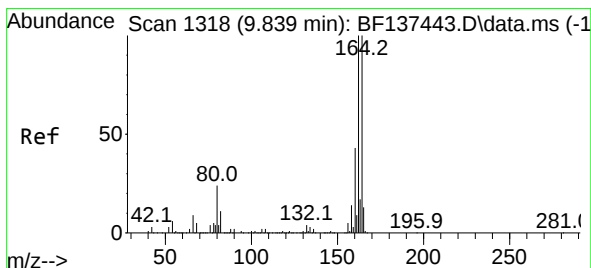
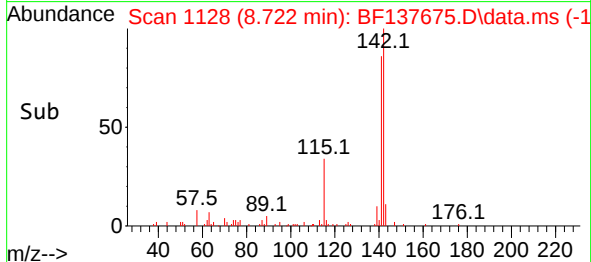
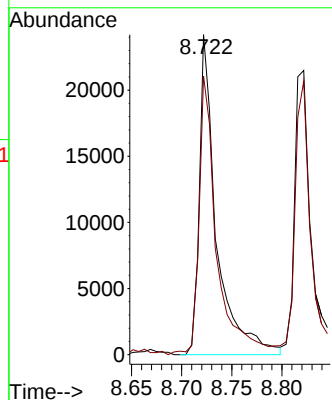
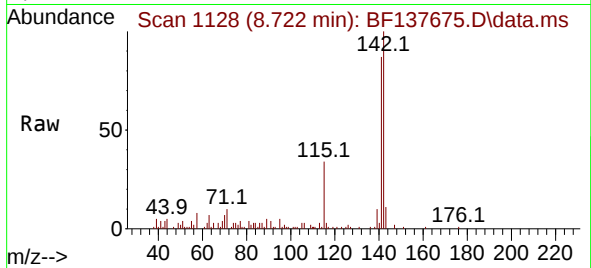
JC-03-03192024-ADL

Tgt Ion:142 Resp: 28834

Ion Ratio Lower Upper

142 100

141 87.0 70.4 105.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.757 min Scan# 1304

Delta R.T. -0.006 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

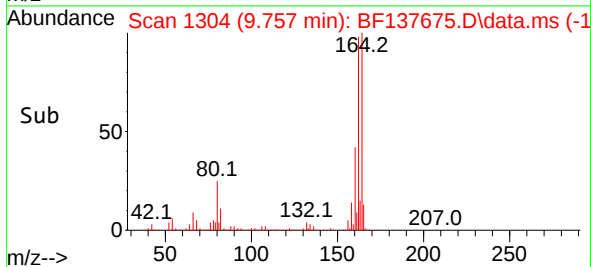
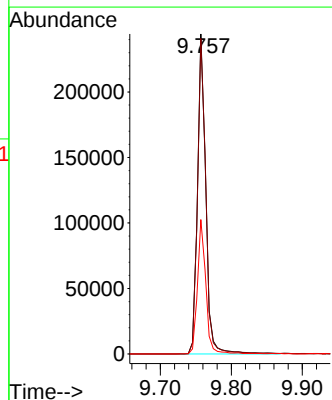
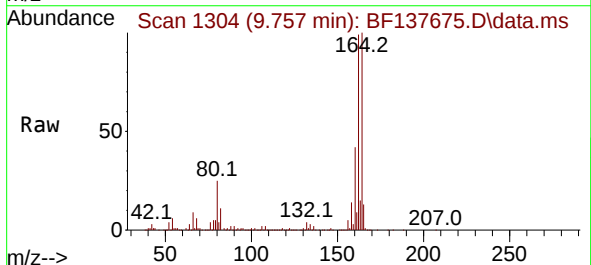
Tgt Ion:164 Resp: 199339

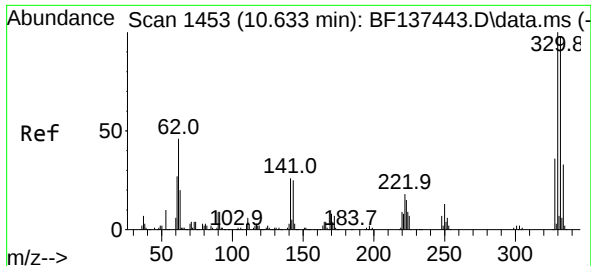
Ion Ratio Lower Upper

164 100

162 98.6 79.8 119.8

160 42.0 34.4 51.6

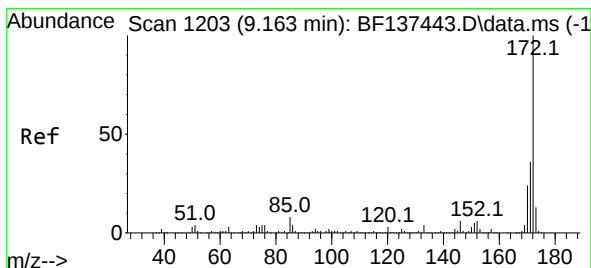
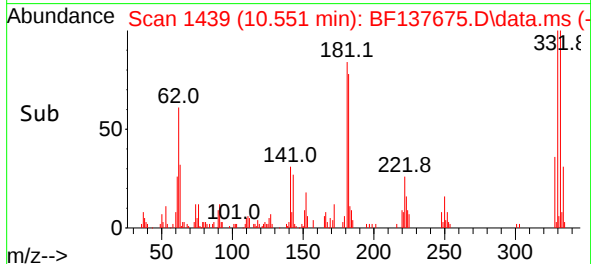
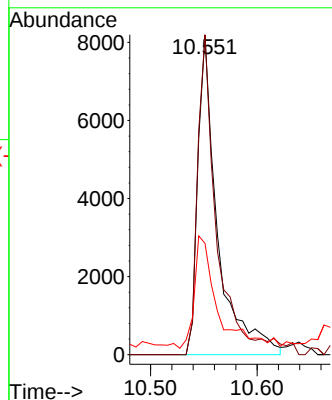
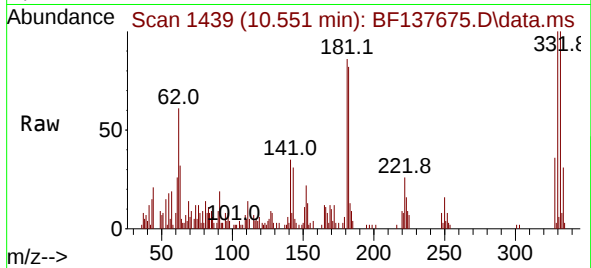




#42
2,4,6-Tribromophenol
Concen: 6.066 ng
RT: 10.551 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BF137675.D
Acq: 21 Mar 2024 22:23

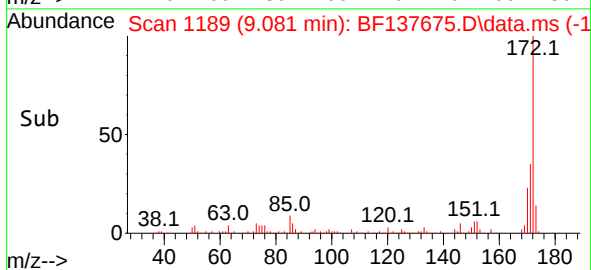
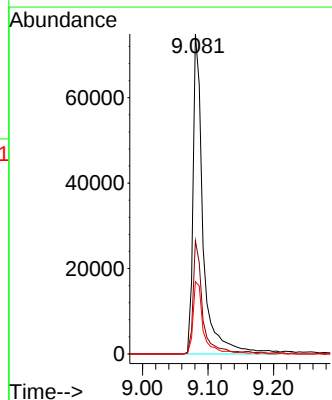
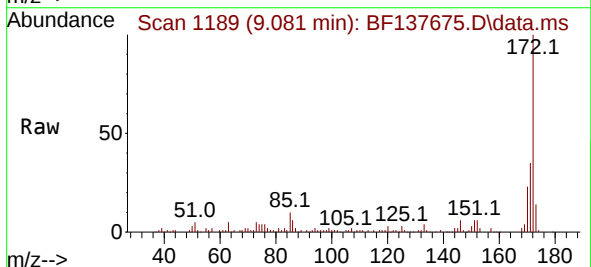
Instrument :
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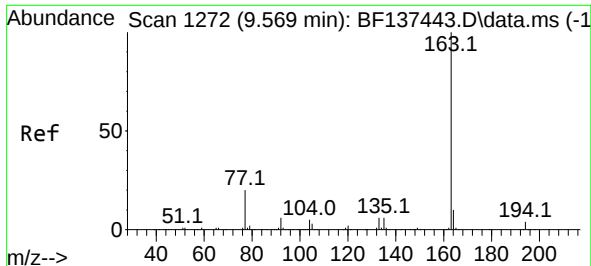
Tgt Ion:330 Resp: 10619
Ion Ratio Lower Upper
330 100
332 98.7 78.0 117.0
141 41.7 27.3 40.9#



#45
2-Fluorobiphenyl
Concen: 6.358 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF137675.D
Acq: 21 Mar 2024 22:23

Tgt Ion:172 Resp: 80962
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 22.6 19.0 28.6

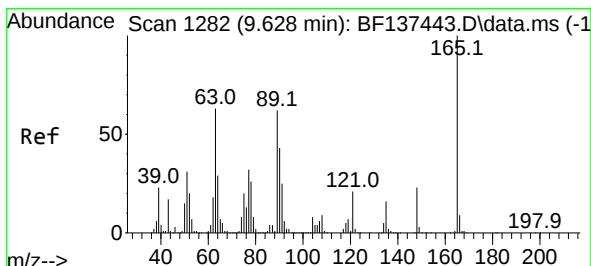
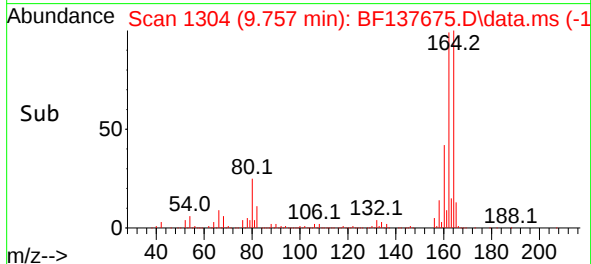
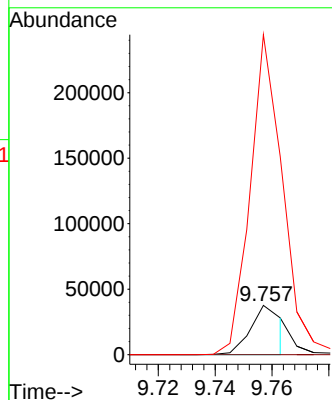
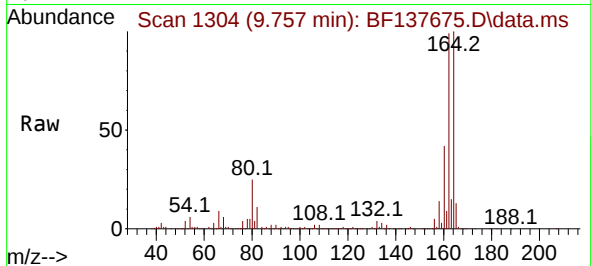




#50
Dimethylphthalate
Concen: 2.074 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.265 min
Lab File: BF137675.D
Acq: 21 Mar 2024 22:23

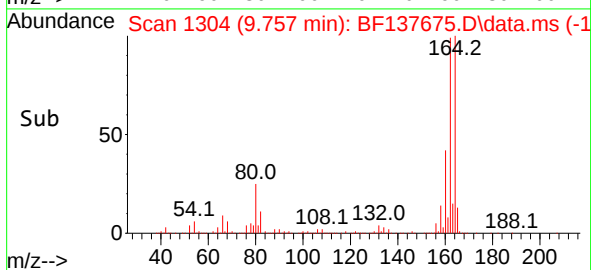
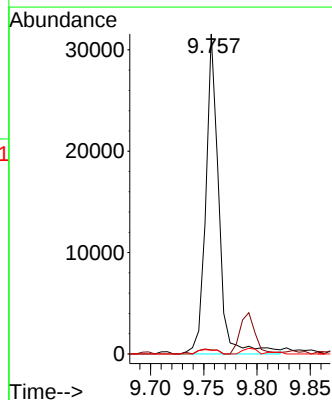
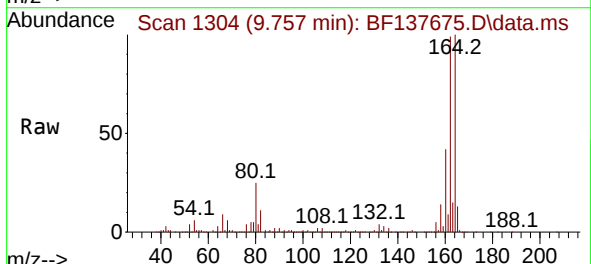
Instrument :
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JC-03-03192024-ADL

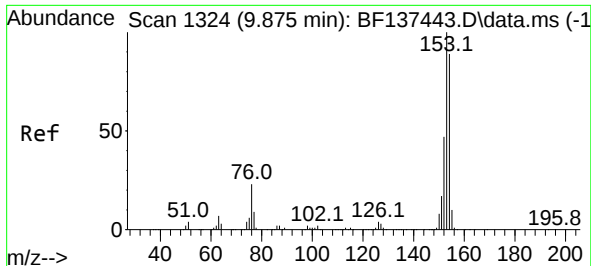
Tgt Ion:163 Resp: 28786
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 649.6 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.281 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.206 min
Lab File: BF137675.D
Acq: 21 Mar 2024 22:23

Tgt Ion:165 Resp: 26938
Ion Ratio Lower Upper
165 100
63 1.3 50.7 76.1#
89 1.2 50.0 75.0#

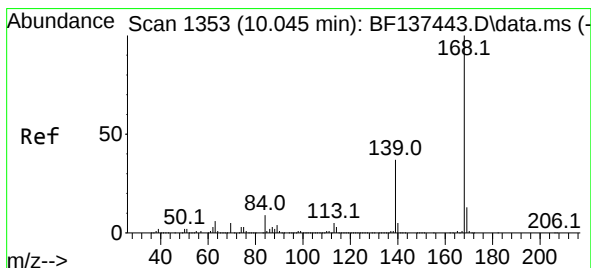
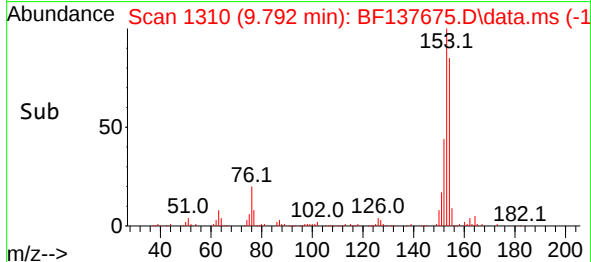
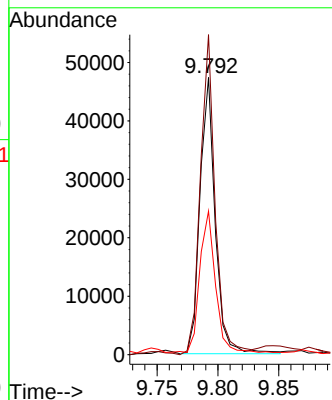
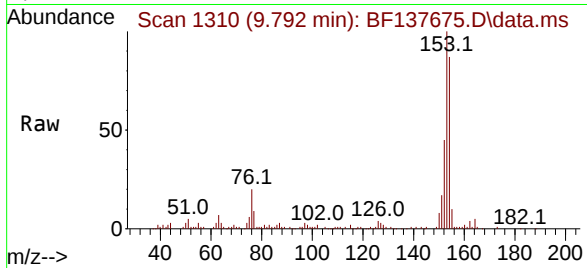




#52
Acenaphthene
Concen: 3.854 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137675.D
Acq: 21 Mar 2024 22:23

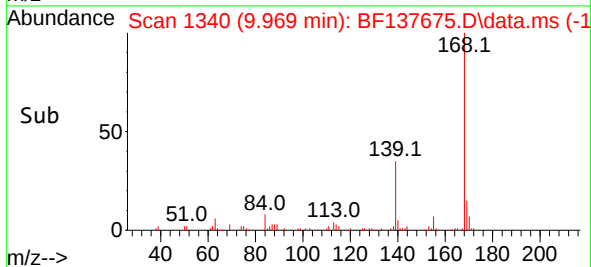
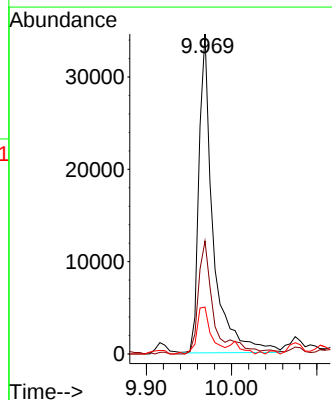
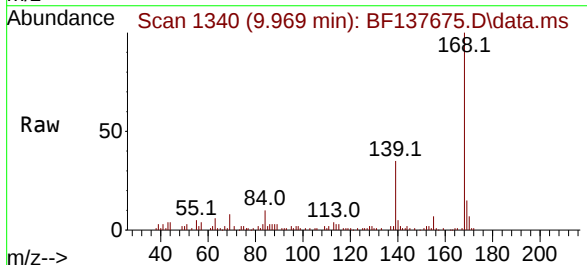
Instrument :
BNA_F
ClientSampleId :
JC-03-03192024-ADL

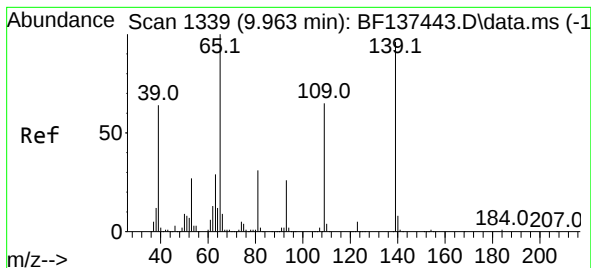
Tgt Ion:154 Resp: 40964
Ion Ratio Lower Upper
154 100
153 115.5 90.3 135.5
152 51.8 42.7 64.1



#55
Dibenzofuran
Concen: 2.460 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF137675.D
Acq: 21 Mar 2024 22:23

Tgt Ion:168 Resp: 39816
Ion Ratio Lower Upper
168 100
139 35.3 29.8 44.6
169 14.6 10.8 16.2





#56

4-Nitrophenol

Concen: 4.760 ng

RT: 9.875 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

Instrument :

BNA_F

ClientSampleId :

JC-03-03192024-ADL

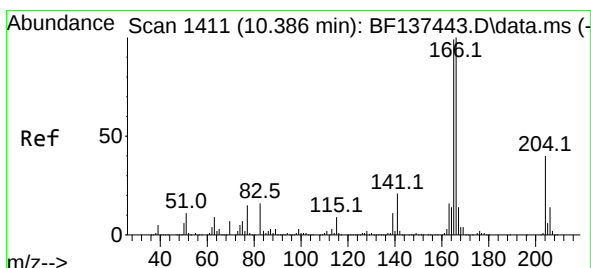
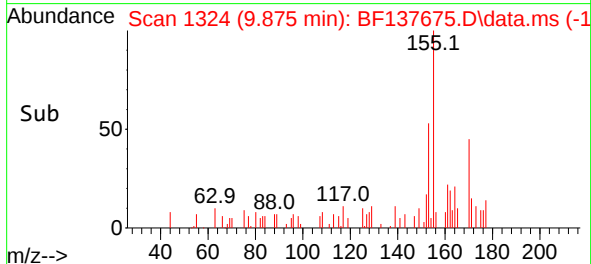
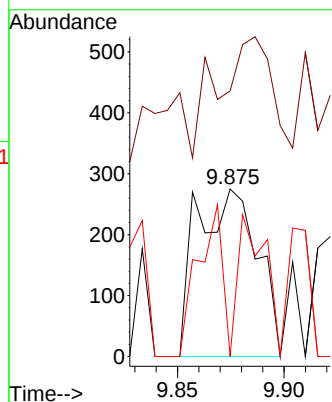
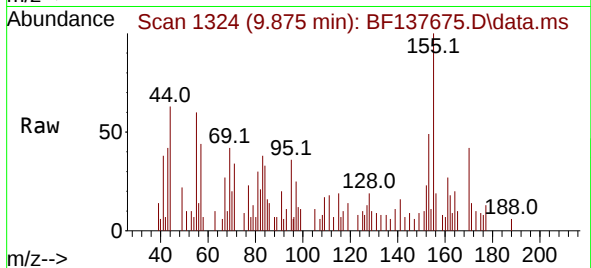
Tgt Ion:139 Resp: 541

Ion Ratio Lower Upper

139 100

109 158.5 47.1 87.1#

65 0.0 85.1 125.1#



#58

Fluorene

Concen: 4.983 ng

RT: 10.304 min Scan# 1397

Delta R.T. -0.006 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

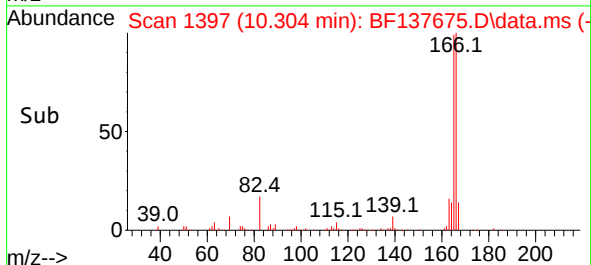
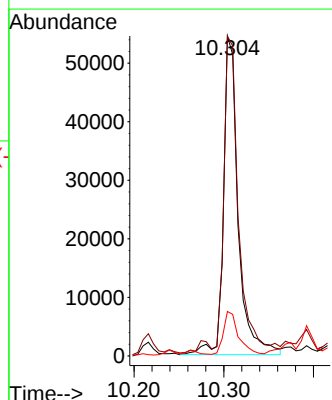
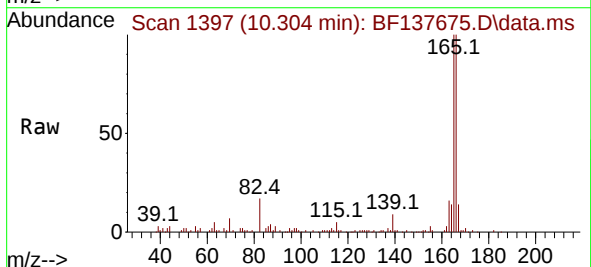
Tgt Ion:166 Resp: 61942

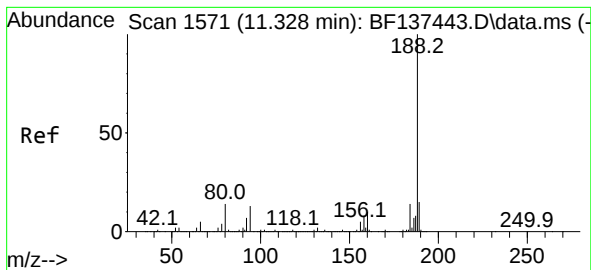
Ion Ratio Lower Upper

166 100

165 100.0 79.2 118.8

167 13.9 11.0 16.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1561

Delta R.T. -0.000 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

Instrument :

BNA_F

ClientSampleId :

JC-03-03192024-ADL

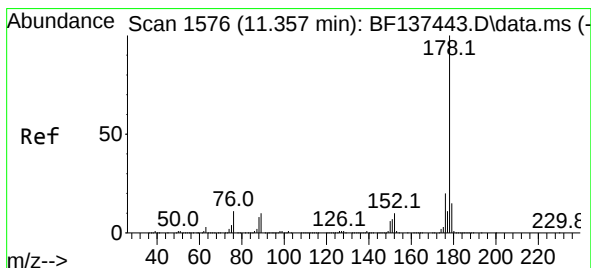
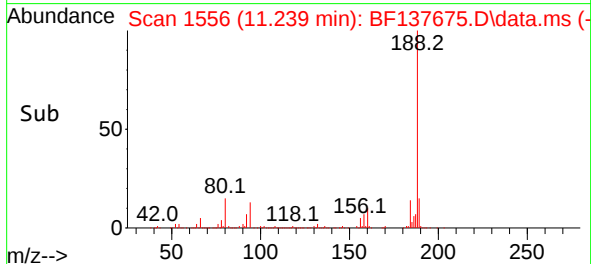
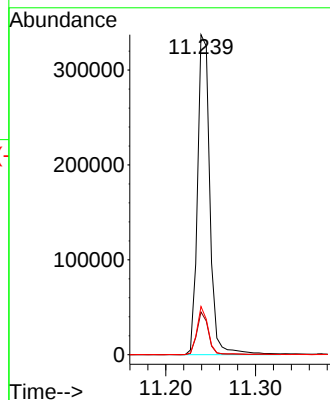
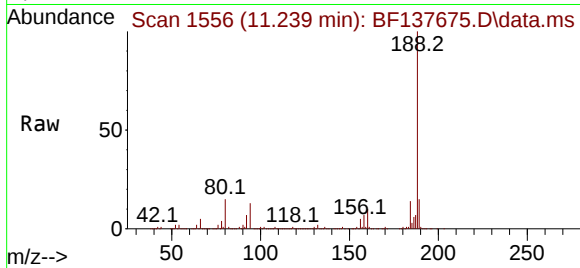
Tgt Ion:188 Resp: 322356

Ion Ratio Lower Upper

188 100

94 13.3 10.6 15.8

80 15.0 11.5 17.3



#71

Phenanthrene

Concen: 26.539 ng

RT: 11.269 min Scan# 1561

Delta R.T. -0.000 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

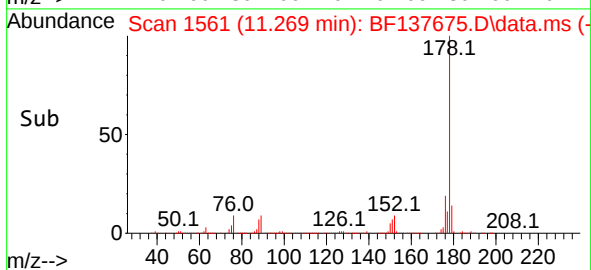
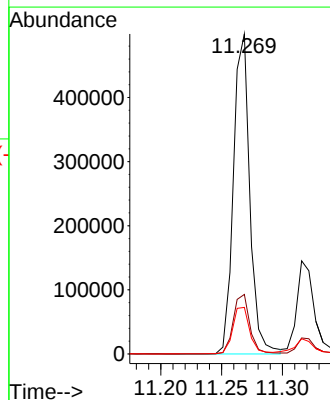
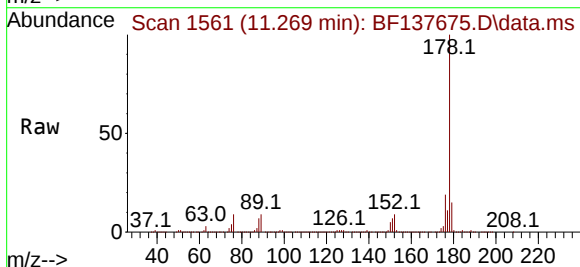
Tgt Ion:178 Resp: 465584

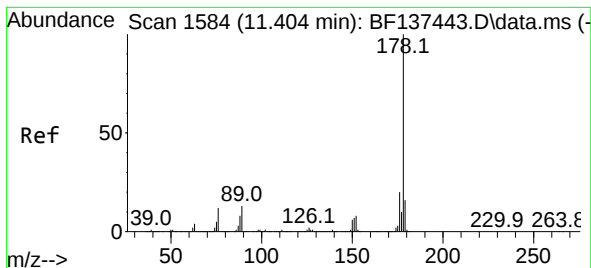
Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.8

179 14.5 12.2 18.2





#72

Anthracene

Concen: 8.748 ng

RT: 11.316 min Scan# 1569

Delta R.T. -0.000 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

Instrument :

BNA_F

ClientSampleId :

JC-03-03192024-ADL

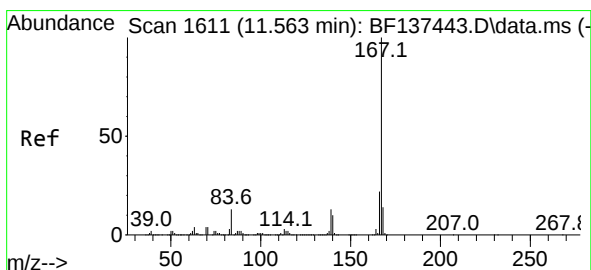
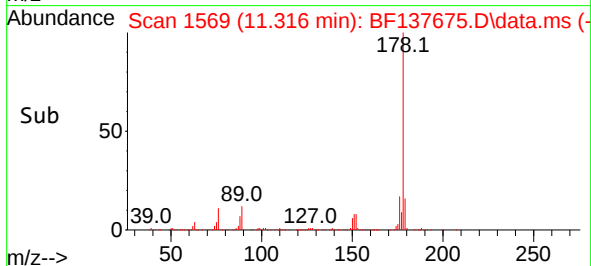
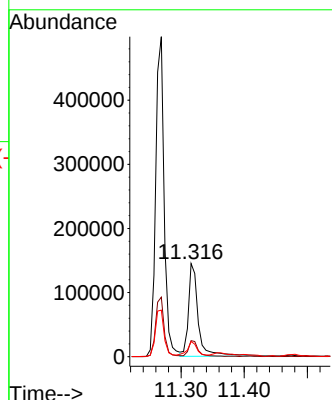
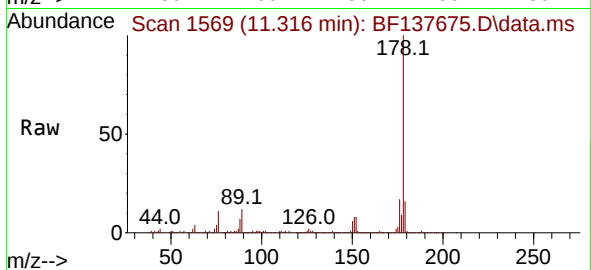
Tgt Ion:178 Resp: 157618

Ion Ratio Lower Upper

178 100

176 17.3 15.7 23.5

179 16.4 12.7 19.1



#73

Carbazole

Concen: 2.538 ng

RT: 11.480 min Scan# 1597

Delta R.T. 0.006 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

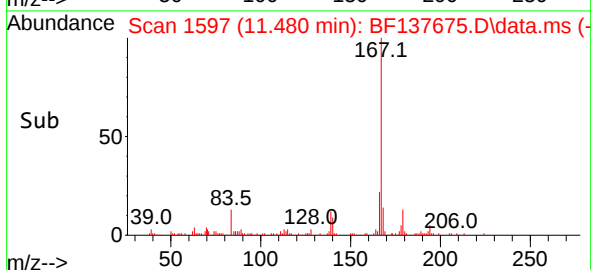
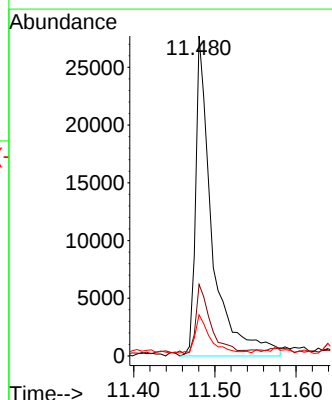
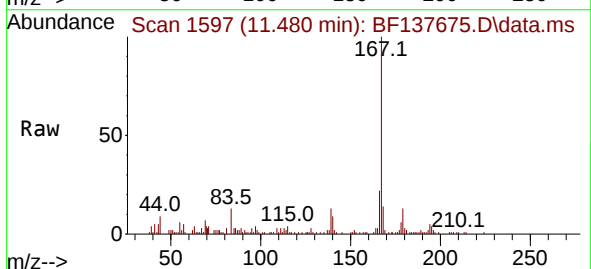
Tgt Ion:167 Resp: 39168

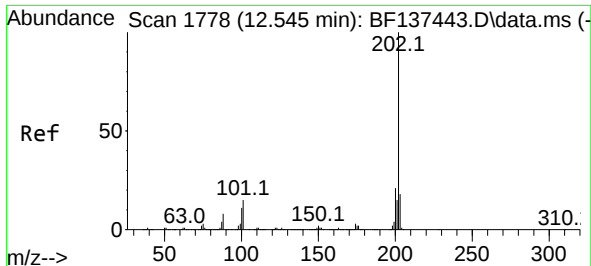
Ion Ratio Lower Upper

167 100

166 22.4 17.8 26.8

139 12.9 10.5 15.7

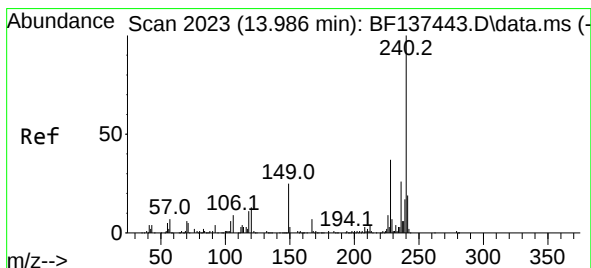
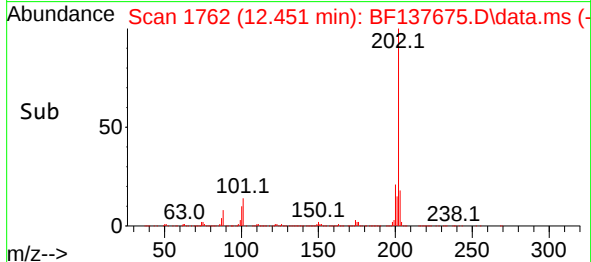
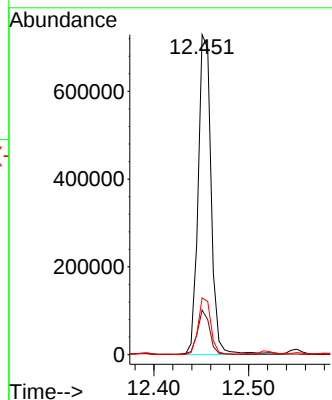
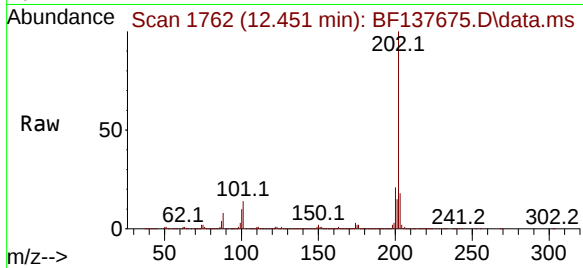




#75
Fluoranthene
Concen: 40.539 ng
RT: 12.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF137675.D
Acq: 21 Mar 2024 22:23

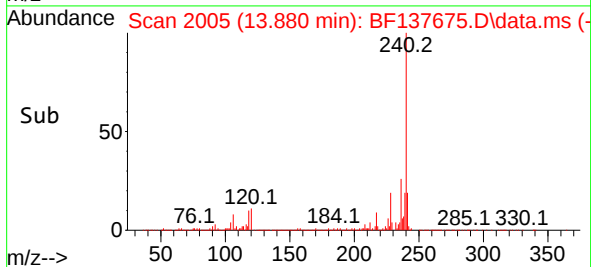
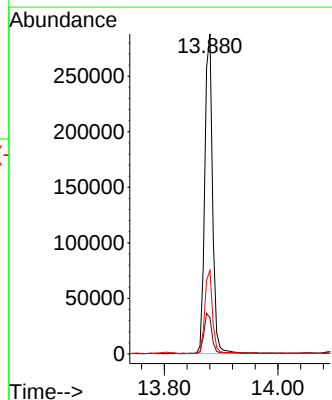
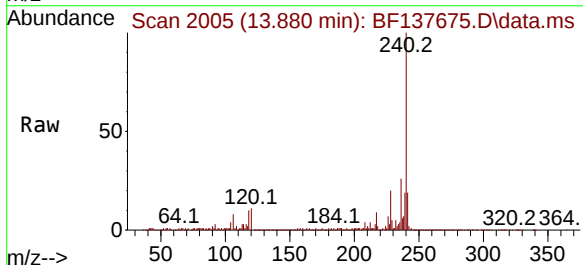
Instrument :
BNA_F
ClientSampleId :
JC-03-03192024-ADL

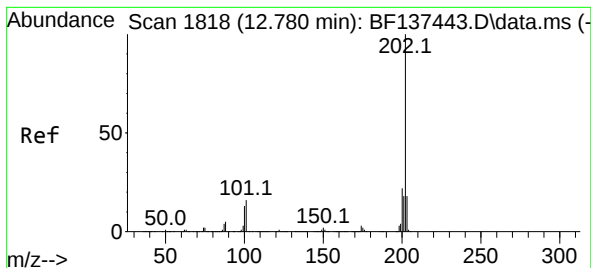
Tgt Ion:202 Resp: 695166
Ion Ratio Lower Upper
202 100
101 14.0 0.0 35.0
203 17.8 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BF137675.D
Acq: 21 Mar 2024 22:23

Tgt Ion:240 Resp: 274140
Ion Ratio Lower Upper
240 100
120 11.4 10.4 15.6
236 26.1 20.9 31.3





#78

Pyrene

Concen: 22.966 ng

RT: 12.680 min Scan# 1818

Delta R.T. -0.000 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

Instrument :

BNA_F

ClientSampleId :

JC-03-03192024-ADL

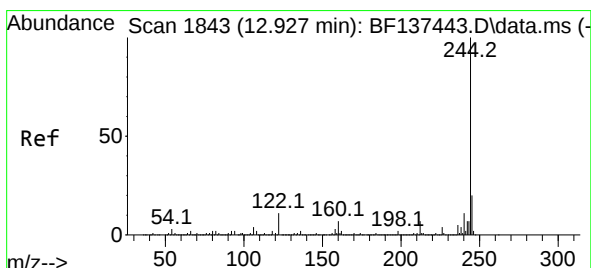
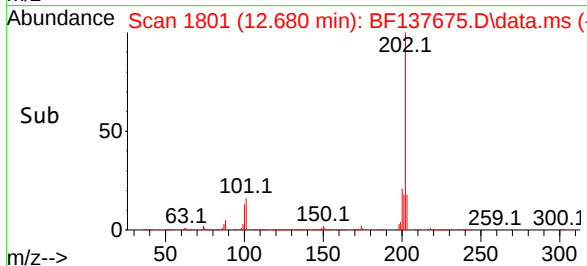
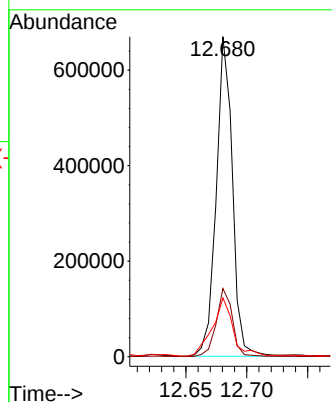
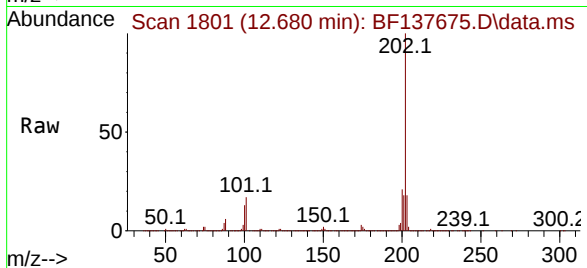
Tgt Ion:202 Resp: 617777

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

203 18.4 14.1 21.1



#79

Terphenyl-d14

Concen: 4.615 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

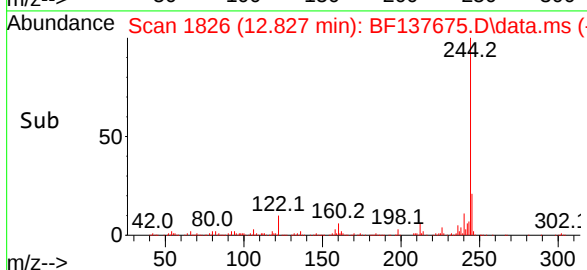
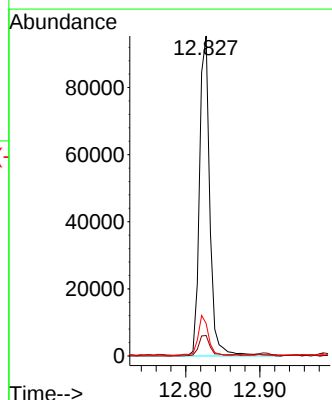
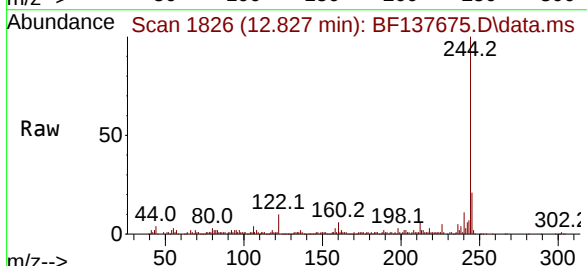
Tgt Ion:244 Resp: 92008

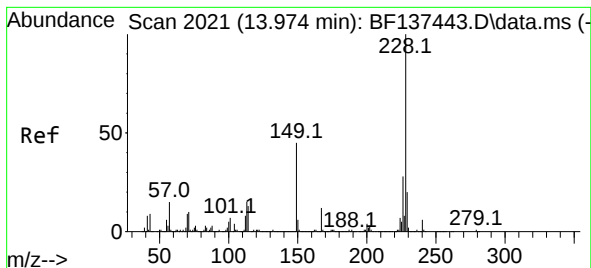
Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

122 10.1 9.1 13.7





#81

Benzo(a)anthracene

Concen: 16.501 ng

RT: 13.868 min Scan# 2009

Delta R.T. -0.000 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

Instrument :

BNA_F

ClientSampleId :

JC-03-03192024-ADL

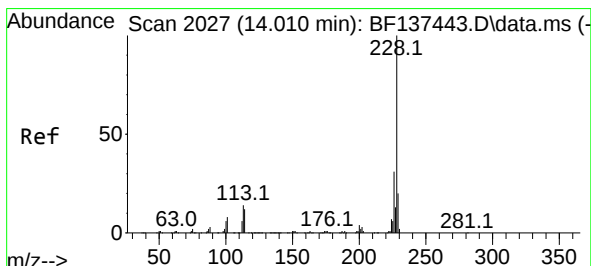
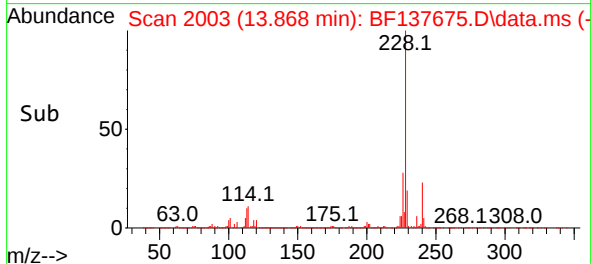
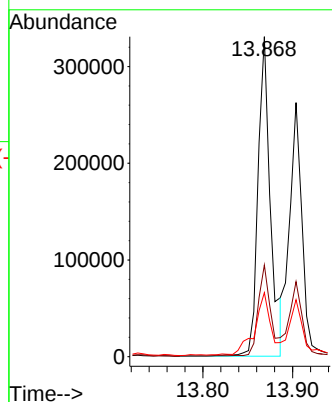
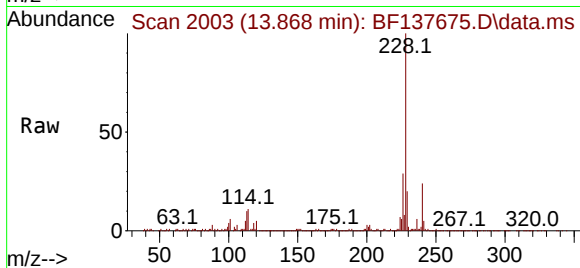
Tgt Ion:228 Resp: 317063

Ion Ratio Lower Upper

228 100

226 28.7 22.3 33.5

229 20.0 16.3 24.5



#83

Chrysene

Concen: 13.067 ng

RT: 13.904 min Scan# 2009

Delta R.T. -0.000 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

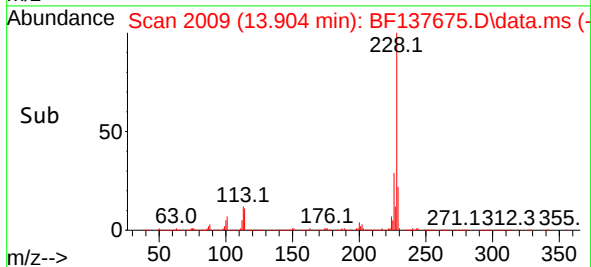
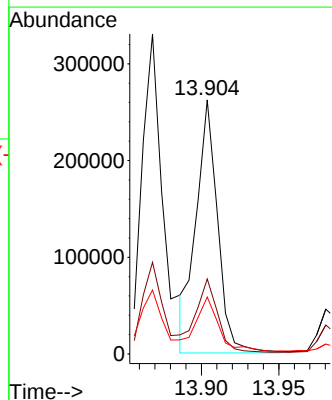
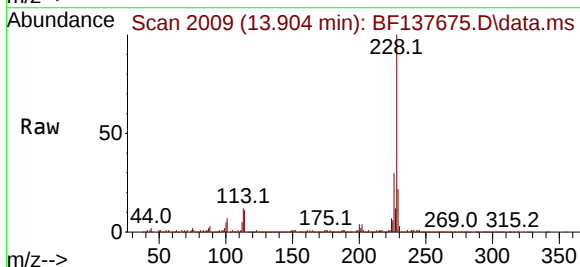
Tgt Ion:228 Resp: 253754

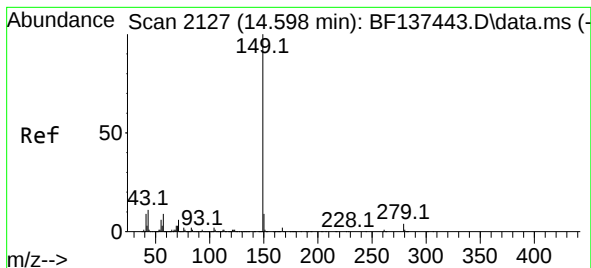
Ion Ratio Lower Upper

228 100

226 29.6 24.7 37.1

229 22.4 15.9 23.9





#85

Di-n-octyl phthalate

Concen: 5.763 ng

RT: 14.504 min Scan# 2111

Delta R.T. 0.029 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

Instrument :

BNA_F

ClientSampleId :

JC-03-03192024-ADL

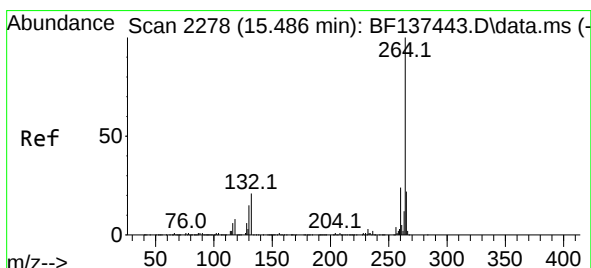
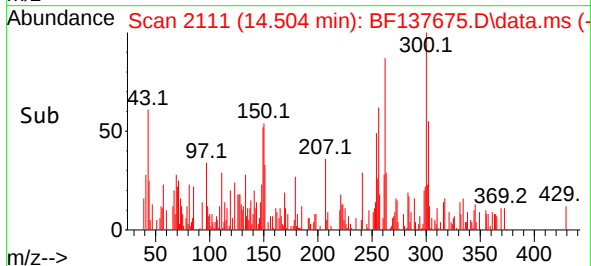
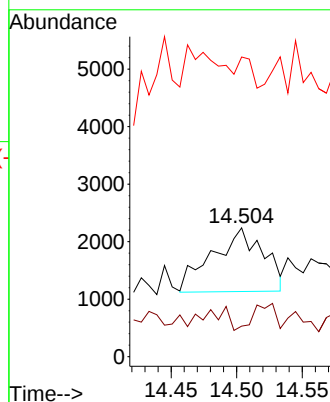
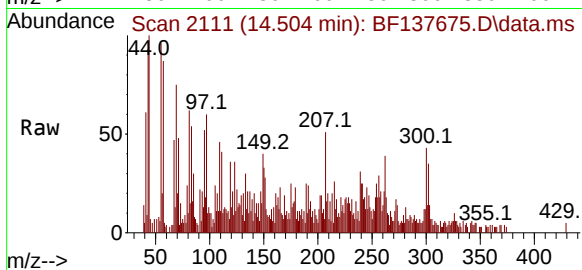
Tgt Ion:149 Resp: 2978

Ion Ratio Lower Upper

149 100

167 12.4 1.2 1.8#

43 0.0 9.6 14.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2247

Delta R.T. 0.006 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

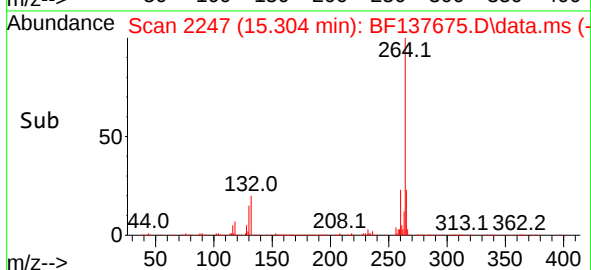
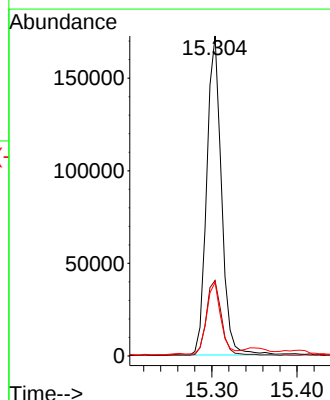
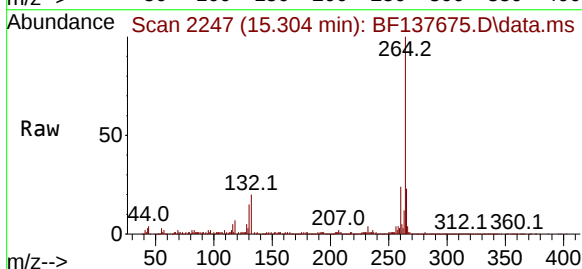
Tgt Ion:264 Resp: 206955

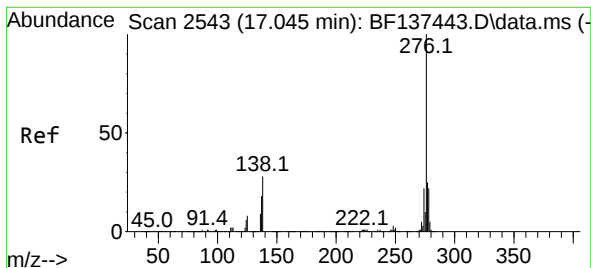
Ion Ratio Lower Upper

264 100

260 23.6 19.3 28.9

265 23.0 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.967 ng

RT: 16.692 min Scan# 2178

Delta R.T. 0.006 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

Instrument :

BNA_F

ClientSampleId :

JC-03-03192024-ADL

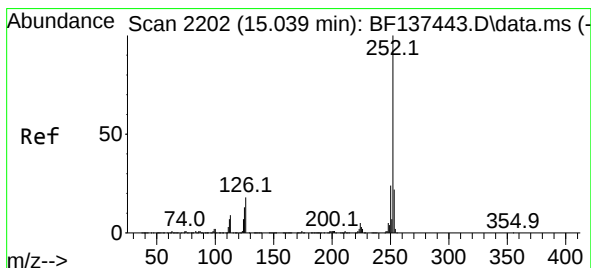
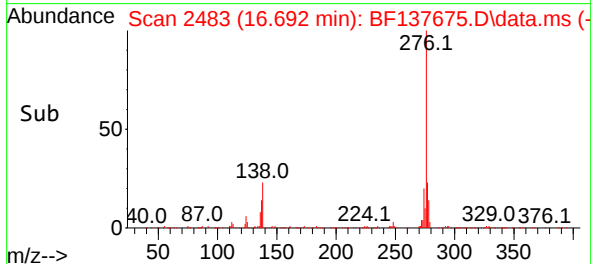
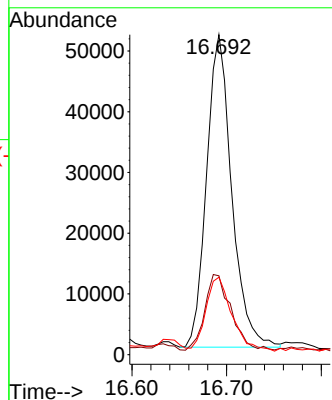
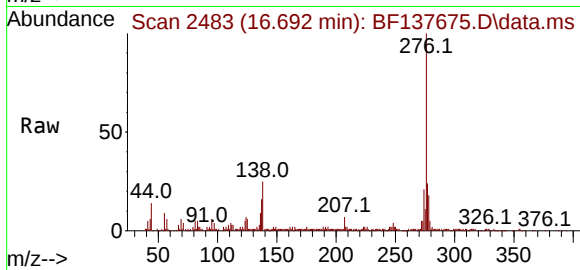
Tgt Ion:276 Resp: 94887

Ion Ratio Lower Upper

276 100

138 26.8 25.8 38.8

277 24.6 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 28.554 ng

RT: 14.898 min Scan# 2178

Delta R.T. 0.006 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

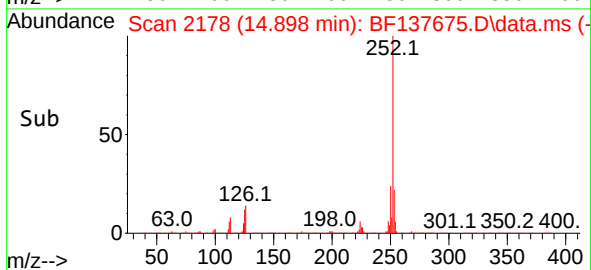
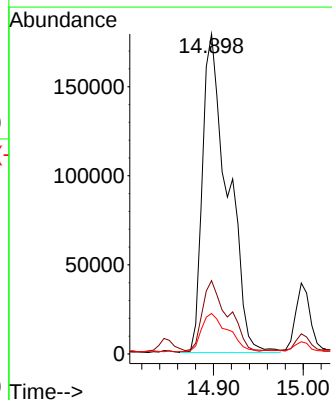
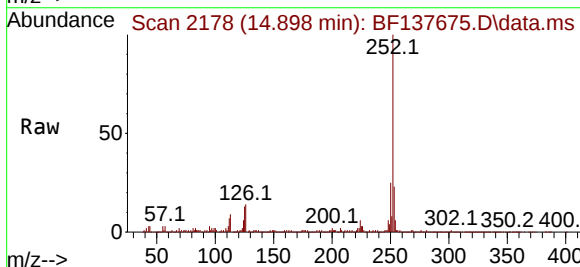
Tgt Ion:252 Resp: 349558

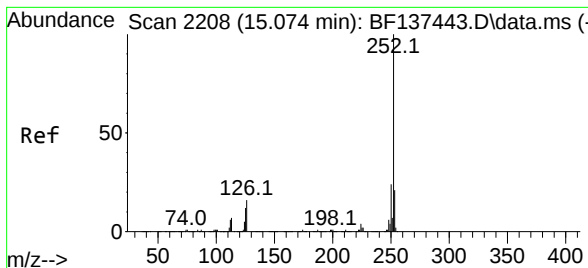
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 12.7 10.1 15.1





#89

Benzo(k)fluoranthene

Concen: 26.584 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.024 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

Instrument :

BNA_F

ClientSampleId :

JC-03-03192024-ADL

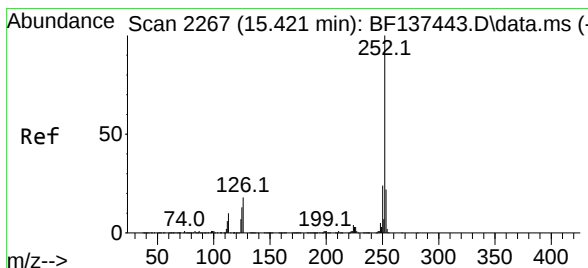
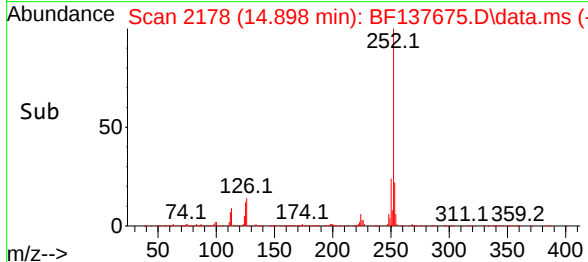
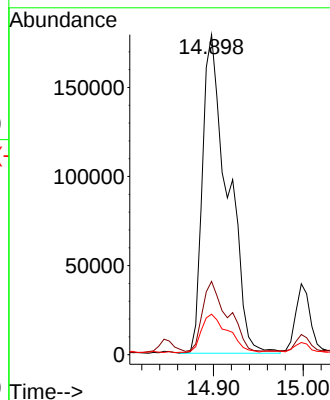
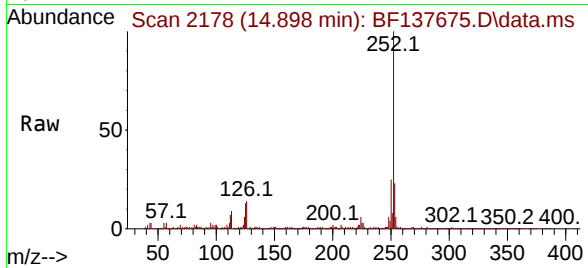
Tgt Ion:252 Resp: 349558

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

125 12.7 9.6 14.4



#90

Benzo(a)pyrene

Concen: 15.206 ng

RT: 15.245 min Scan# 2237

Delta R.T. 0.006 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

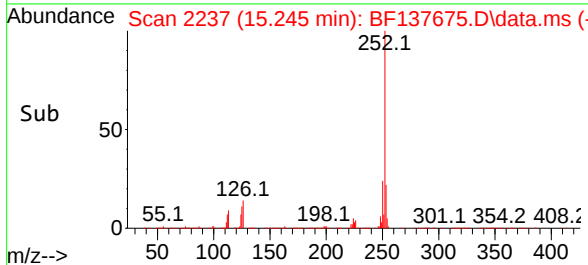
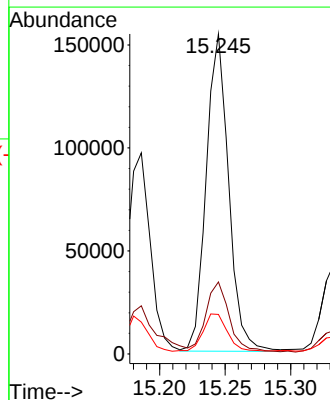
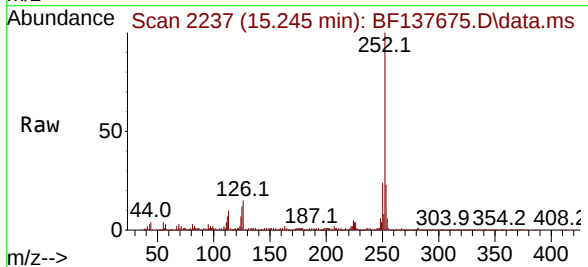
Tgt Ion:252 Resp: 183452

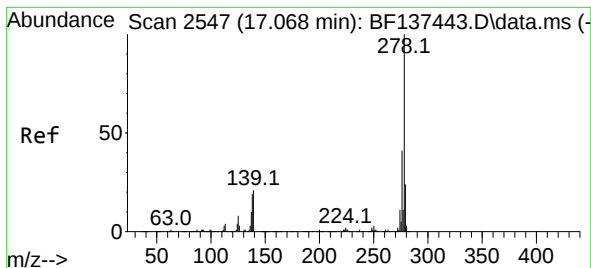
Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

125 12.3 10.4 15.6





#91

Dibenzo(a,h)anthracene

Concen: 2.013 ng

RT: 16.698 min Scan# 24

Delta R.T. -0.000 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

Instrument :

BNA_F

ClientSampleId :

JC-03-03192024-ADL

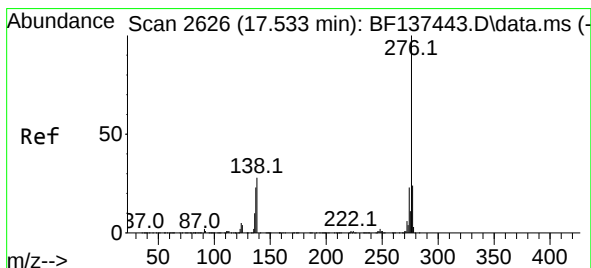
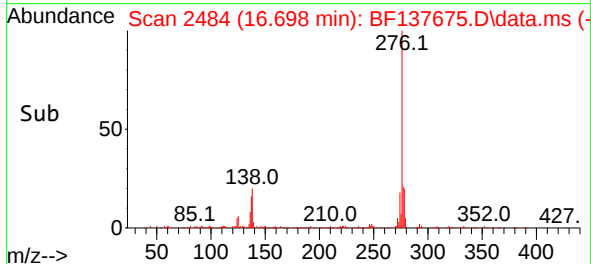
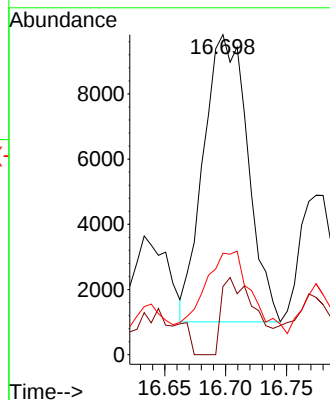
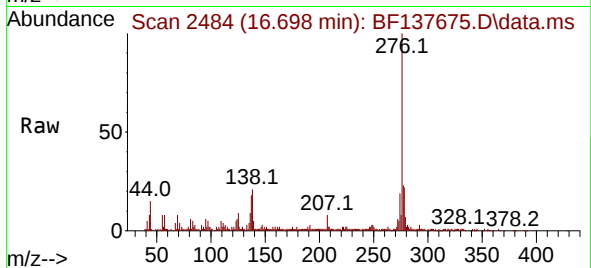
Tgt Ion:278 Resp: 22235

Ion Ratio Lower Upper

278 100

139 21.3 17.0 25.6

279 31.7 18.8 28.2#



#92

Benzo(g,h,i)perylene

Concen: 8.240 ng

RT: 17.109 min Scan# 2554

Delta R.T. 0.006 min

Lab File: BF137675.D

Acq: 21 Mar 2024 22:23

Tgt Ion:276 Resp: 93496

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.4

138 26.6 22.2 33.2

