

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135870.D
 Acq On : 19 Oct 2023 02:59
 Operator : CG\JU
 Sample : 04767-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-1(0-5)

Quant Time: Oct 19 04:44:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

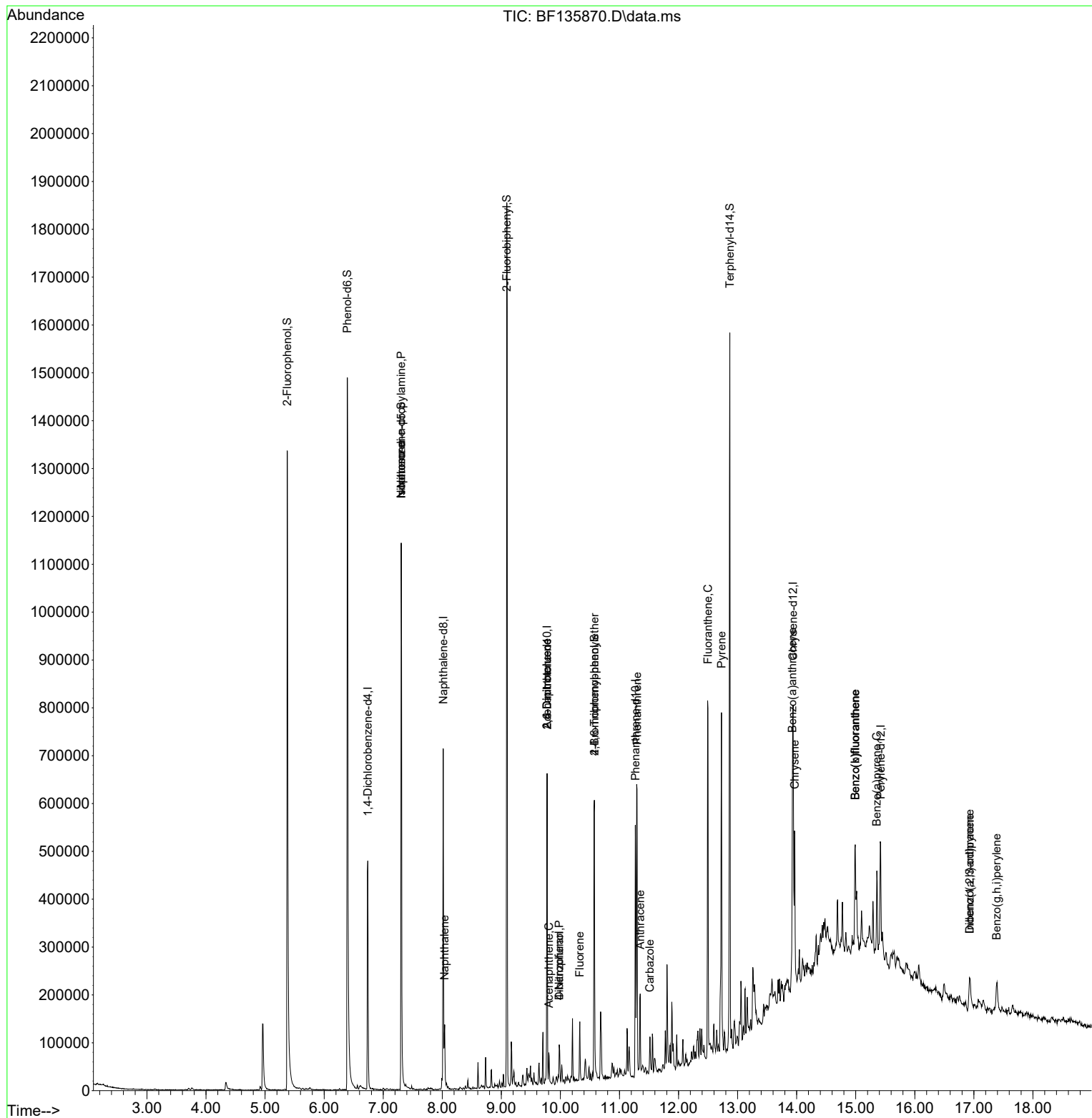
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	76563	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	271424	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	109128	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	182745	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	151978	20.000	ng	-0.01
86) Perylene-d12	15.421	264	117080	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	423286	88.886	ng	0.00
7) Phenol-d6	6.393	99	546951	92.051	ng	0.00
23) Nitrobenzene-d5	7.304	82	346481	70.208	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	73494	70.183	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	569567	81.604	ng	-0.01
79) Terphenyl-d14	12.869	244	518808	63.219	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	45891	12.491	ng	# 74
25) Isophorone	7.304	82	346481	37.215	ng	# 66
31) Naphthalene	8.039	128	53529	4.043	ng	99
51) 2,6-Dinitrotoluene	9.775	165	14795	9.339	ng	# 17
52) Acenaphthene	9.804	154	13416	2.245	ng	97
55) Dibenzofuran	9.981	168	28010	3.106	ng	96
56) 4-Nitrophenol	9.981	139	10493	16.475	ng	# 9
57) 2,4-Dinitrotoluene	9.775	165	14795	7.341	ng	# 25
58) Fluorene	10.328	166	34357	4.867	ng	98
67) 4-Bromophenyl-phenylether	10.575	248	4701	2.563	ng	# 1
71) Phenanthrene	11.298	178	240037	27.419	ng	98
72) Anthracene	11.351	178	67356	7.425	ng	99
73) Carbazole	11.516	167	25831	3.053	ng	95
75) Fluoranthene	12.498	202	317841	32.712	ng	95
78) Pyrene	12.727	202	281881	23.340	ng	99
81) Benzo(a)anthracene	13.927	228	153765	15.403	ng	99
83) Chrysene	13.969	228	125478	12.978	ng	97
87) Indeno(1,2,3-cd)pyrene	16.927	276	47135	7.389	ng	94
88) Benzo(b)fluoranthene	14.992	252	168715	25.748	ng	# 97
89) Benzo(k)fluoranthene	14.992	252	168269	26.451	ng	# 95
90) Benzo(a)pyrene	15.357	252	88463	14.357	ng	97
91) Dibenzo(a,h)anthracene	16.927	278	12010	2.297	ng	# 78
92) Benzo(g,h,i)perylene	17.386	276	46871	8.725	ng	98

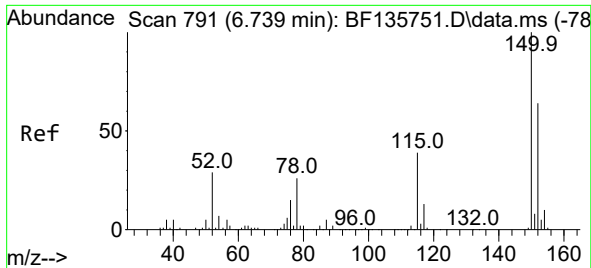
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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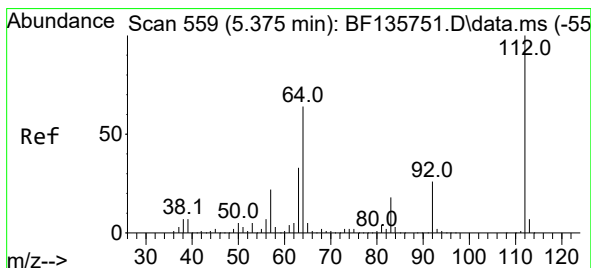
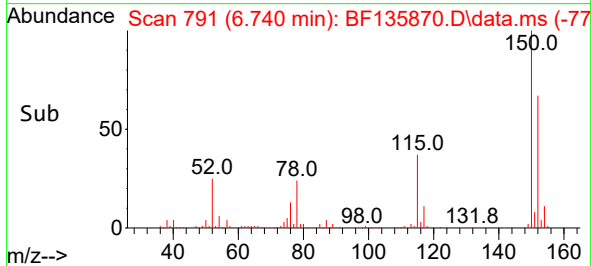
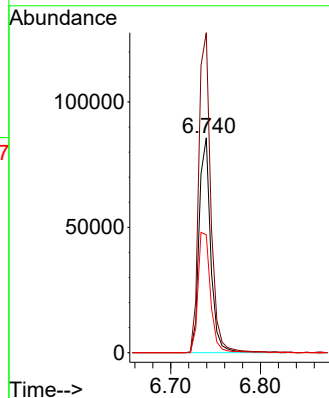
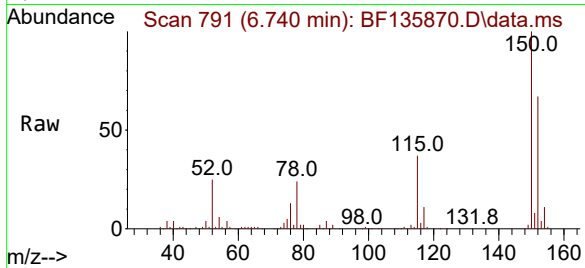




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135870.D
Acq: 19 Oct 2023 02:59

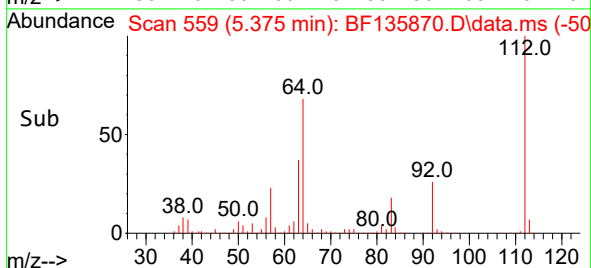
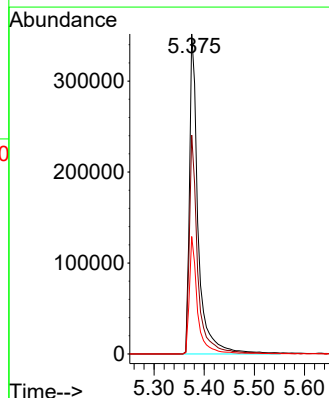
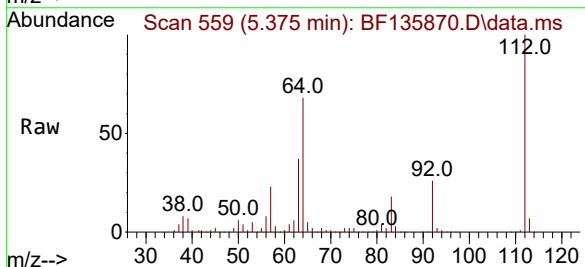
Instrument :
BNA_F
ClientSampleId :
C-1(0-5)

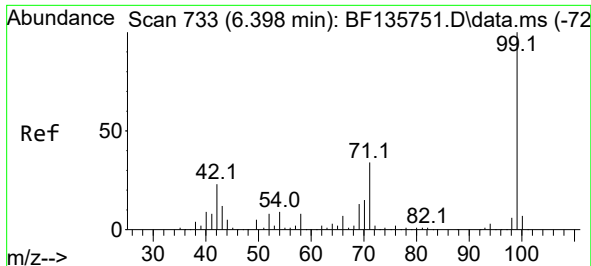
Tgt Ion:152 Resp: 76563
Ion Ratio Lower Upper
152 100
150 148.9 124.5 186.7
115 54.9 49.0 73.4



#5
2-Fluorophenol
Concen: 88.886 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135870.D
Acq: 19 Oct 2023 02:59

Tgt Ion:112 Resp: 423286
Ion Ratio Lower Upper
112 100
64 68.4 51.2 76.8
63 36.7 26.1 39.1

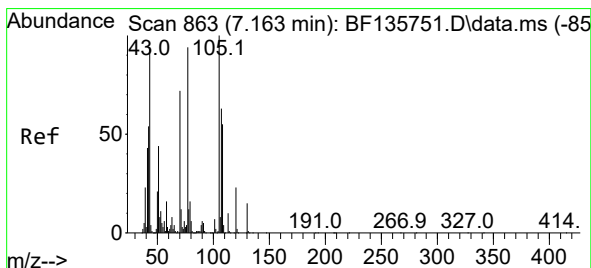
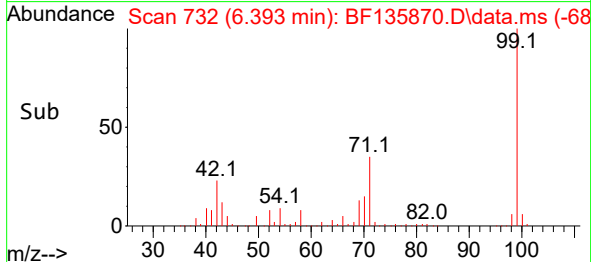
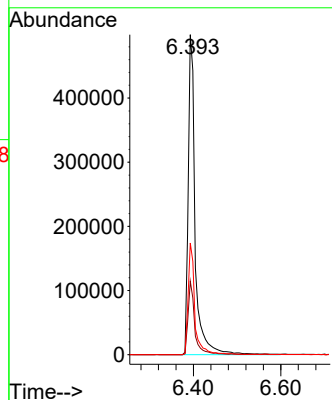
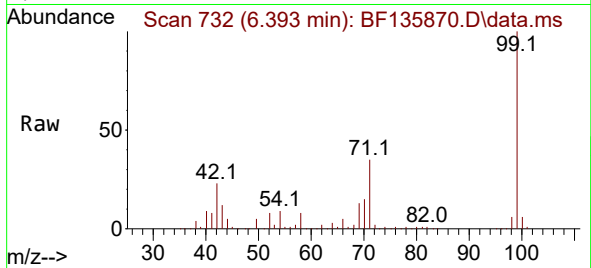




#7
Phenol-d6
Concen: 92.051 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135870.D
Acq: 19 Oct 2023 02:59

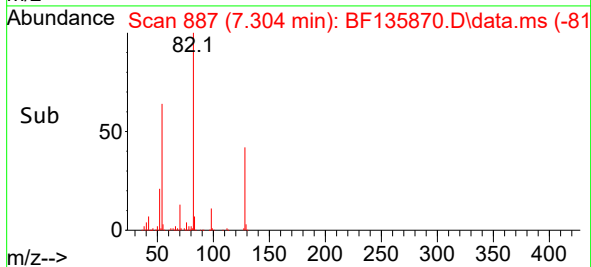
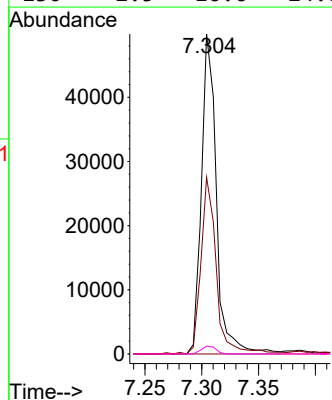
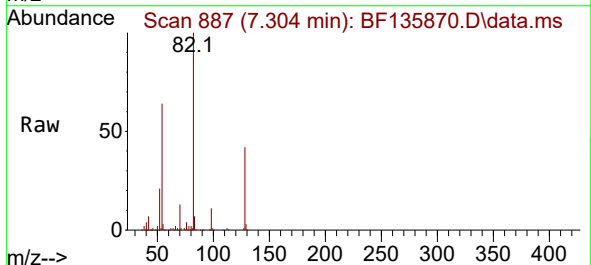
Instrument :
BNA_F
ClientSampleId :
C-1(0-5)

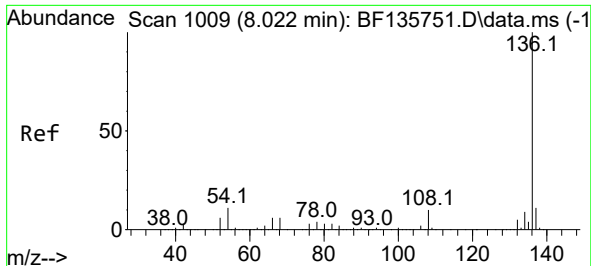
Tgt Ion: 99 Resp: 546951
Ion Ratio Lower Upper
99 100
42 23.0 18.4 27.6
71 34.9 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.491 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135870.D
Acq: 19 Oct 2023 02:59

Tgt Ion: 70 Resp: 45891
Ion Ratio Lower Upper
70 100
42 55.2 59.8 89.6#
101 0.0 7.4 11.2#
130 2.5 16.6 24.8#



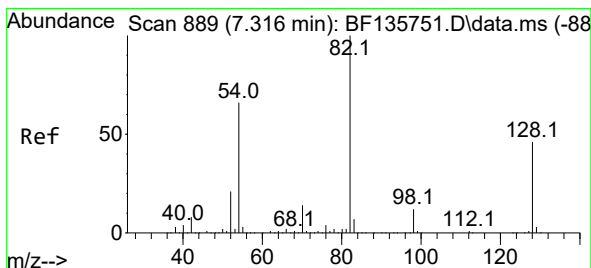
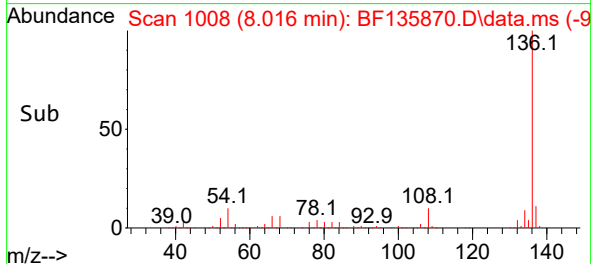
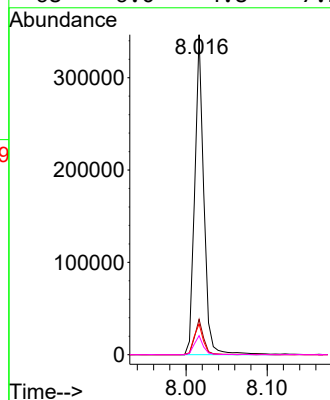
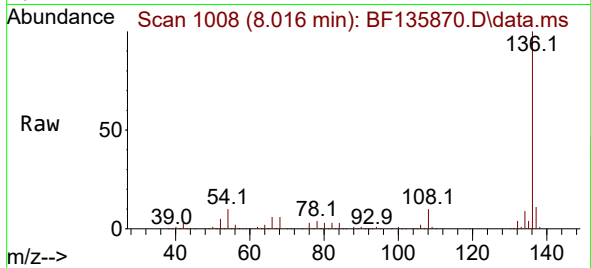


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135870.D
Acq: 19 Oct 2023 02:59

Instrument :
BNA_F
ClientSampleId :
C-1(0-5)

Tgt Ion:136 Resp: 271424

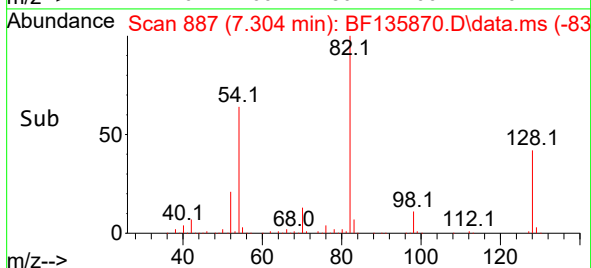
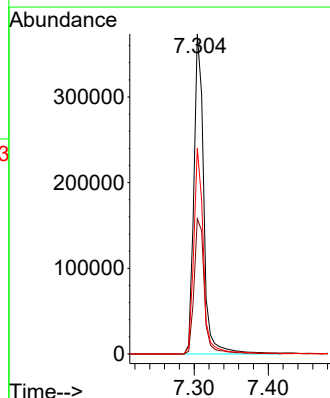
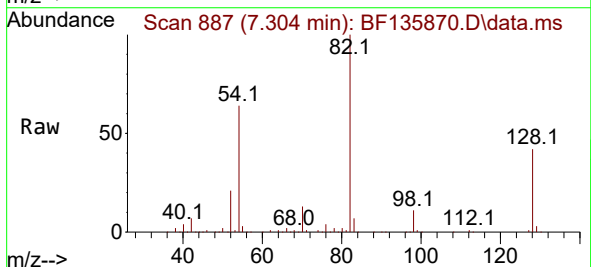
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.6	8.5	12.7
68	6.0	4.8	7.2

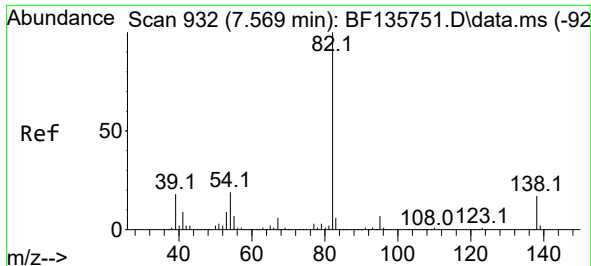


#23
Nitrobenzene-d5
Concen: 70.208 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135870.D
Acq: 19 Oct 2023 02:59

Tgt Ion: 82 Resp: 346481

Ion	Ratio	Lower	Upper
82	100		
128	42.2	37.0	55.6
54	64.3	52.8	79.2

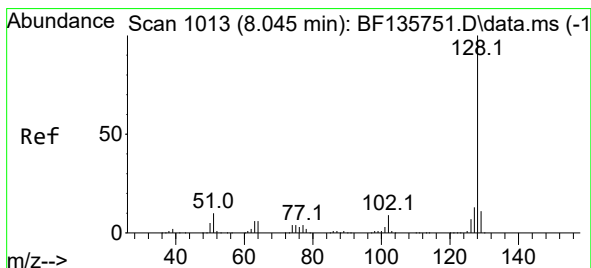
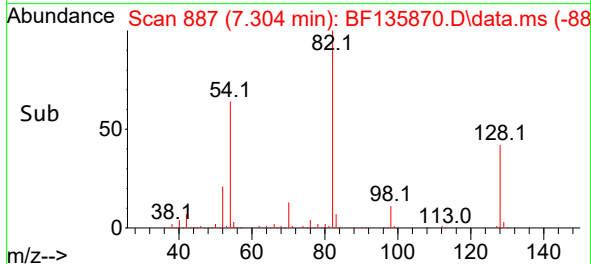
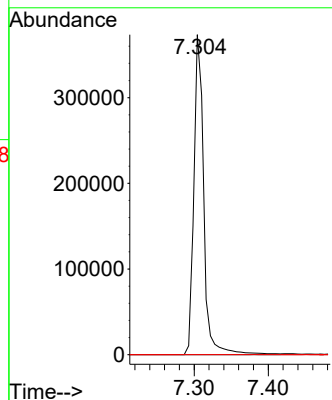
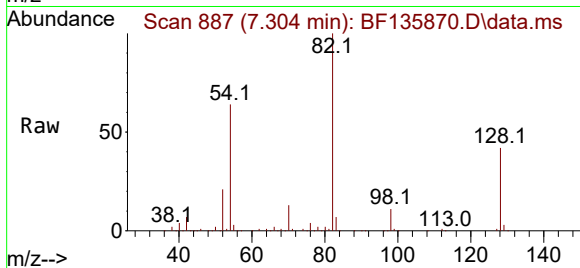




#25
Isophorone
Concen: 37.215 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135870.D
Acq: 19 Oct 2023 02:59

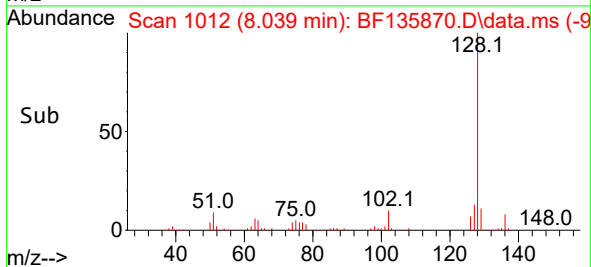
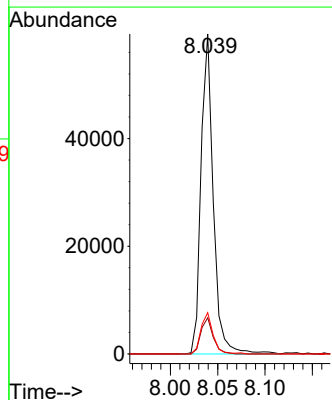
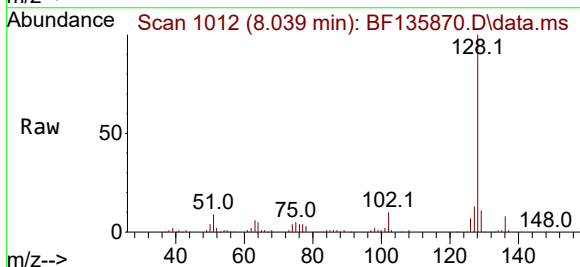
Instrument :
BNA_F
ClientSampleId :
C-1(0-5)

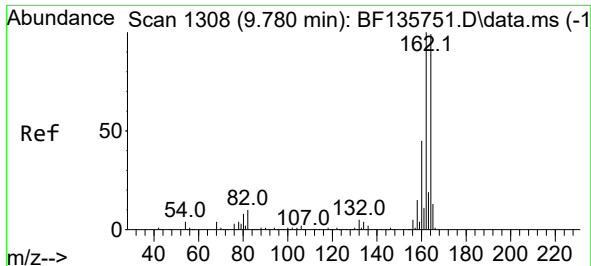
Tgt Ion: 82 Resp: 346481
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#31
Naphthalene
Concen: 4.043 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135870.D
Acq: 19 Oct 2023 02:59

Tgt Ion: 128 Resp: 53529
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 12.9 10.2 15.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135870.D

Acq: 19 Oct 2023 02:59

Instrument :

BNA_F

ClientSampleId :

C-1(0-5)

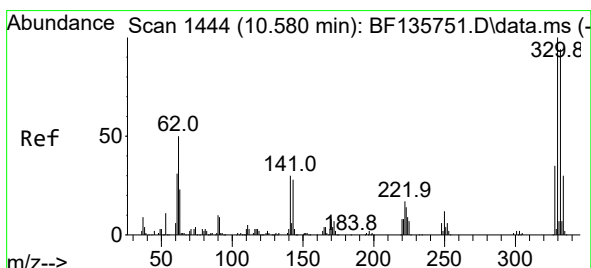
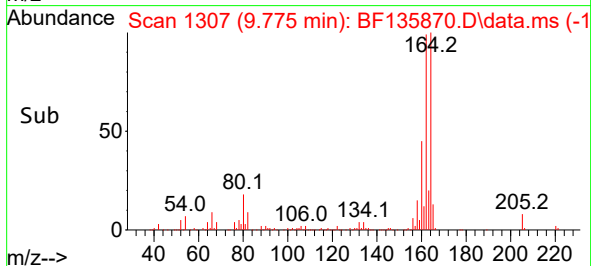
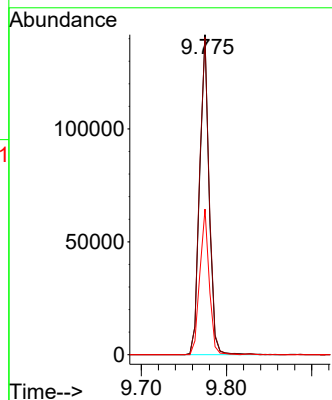
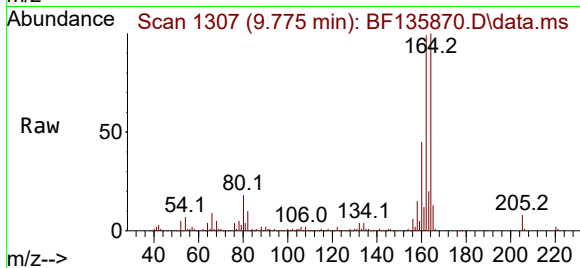
Tgt Ion:164 Resp: 109128

Ion Ratio Lower Upper

164 100

162 99.2 80.8 121.2

160 45.5 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 70.183 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135870.D

Acq: 19 Oct 2023 02:59

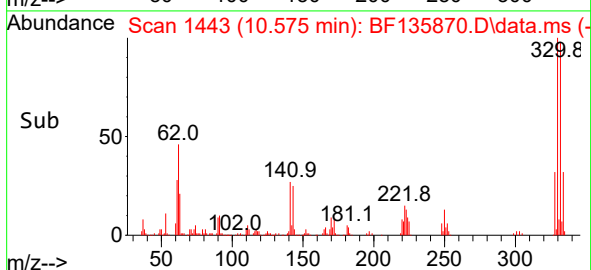
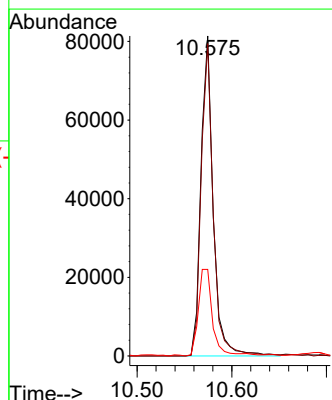
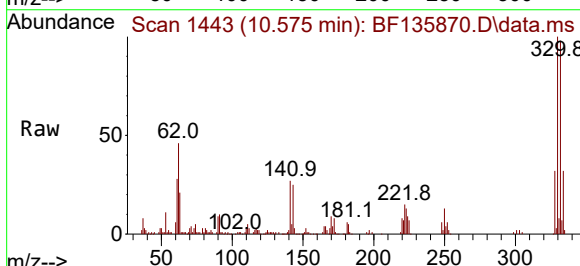
Tgt Ion:330 Resp: 73494

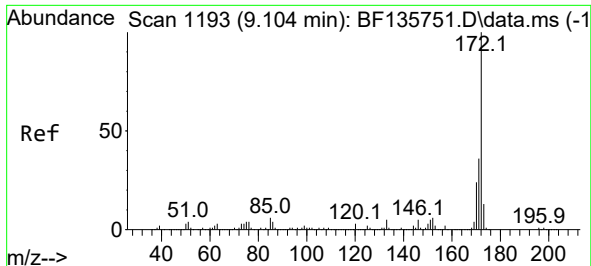
Ion Ratio Lower Upper

330 100

332 96.4 75.0 112.4

141 31.8 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 81.604 ng

RT: 9.092 min Scan# 1193

Delta R.T. -0.012 min

Lab File: BF135870.D

Acq: 19 Oct 2023 02:59

Instrument :

BNA_F

ClientSampleId :

C-1(0-5)

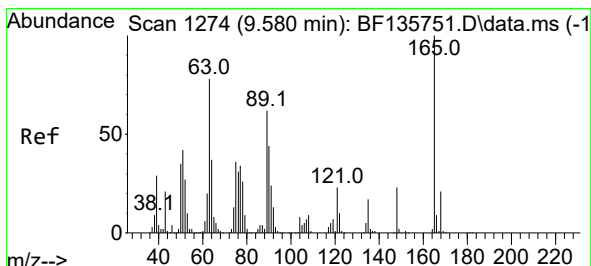
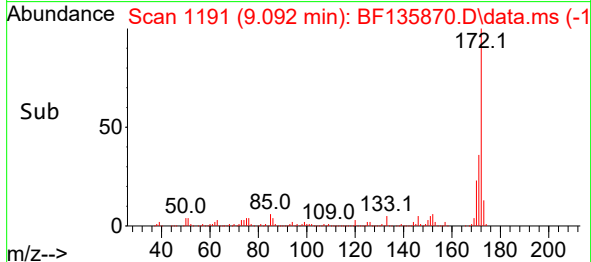
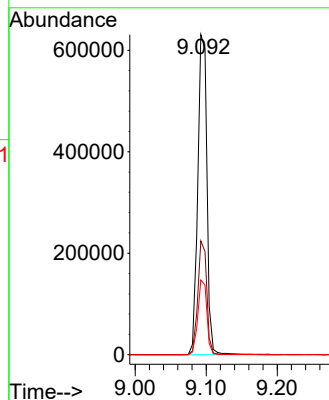
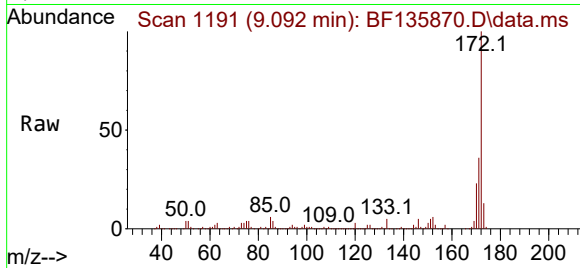
Tgt Ion:172 Resp: 569567

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.4 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.339 ng

RT: 9.775 min Scan# 1307

Delta R.T. 0.188 min

Lab File: BF135870.D

Acq: 19 Oct 2023 02:59

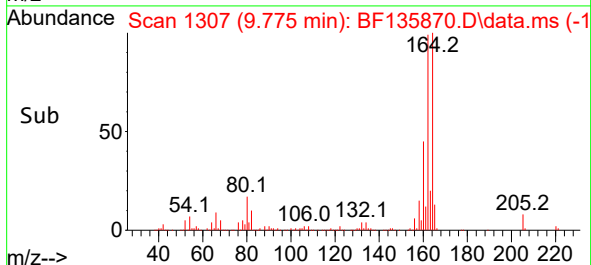
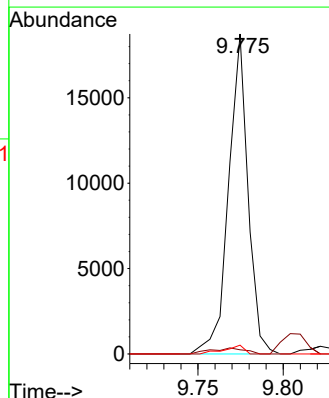
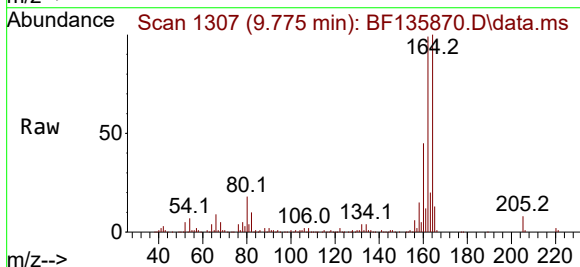
Tgt Ion:165 Resp: 14795

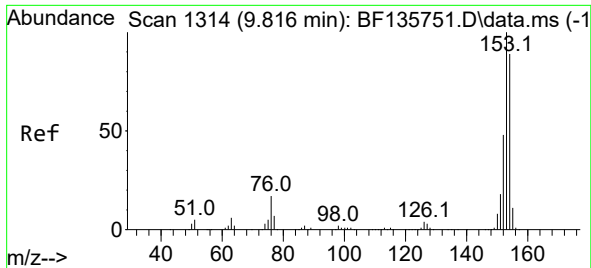
Ion Ratio Lower Upper

165 100

63 1.3 62.2 93.4#

89 2.8 49.6 74.4#

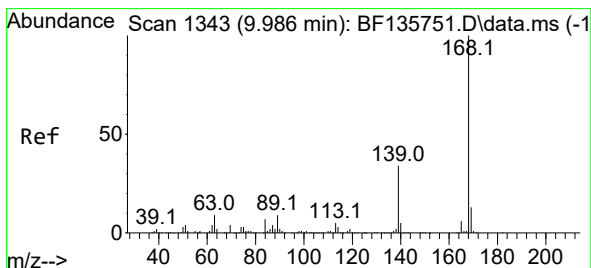
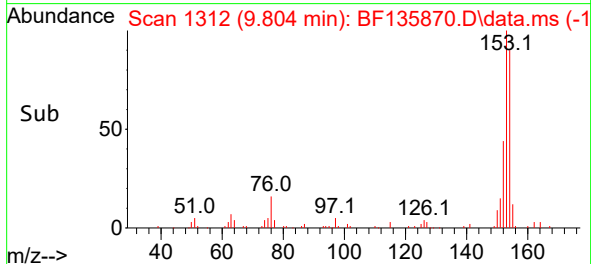
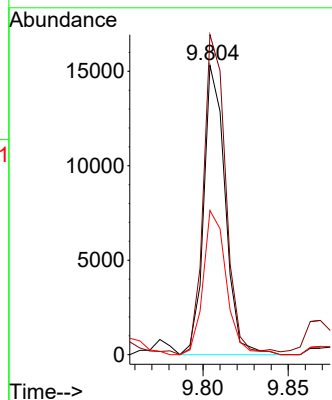
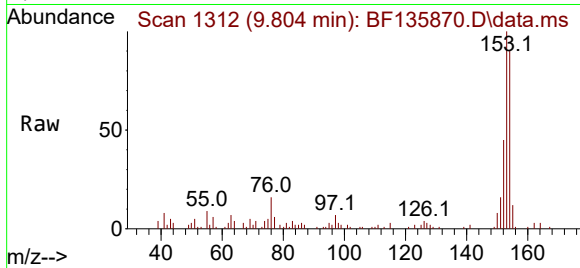




#52
Acenaphthene
Concen: 2.245 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135870.D
Acq: 19 Oct 2023 02:59

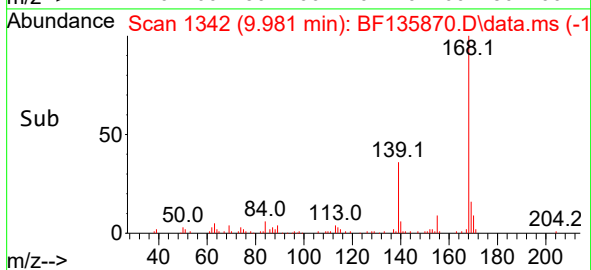
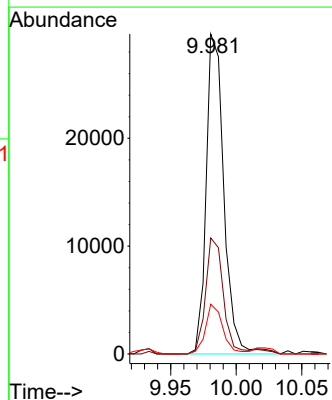
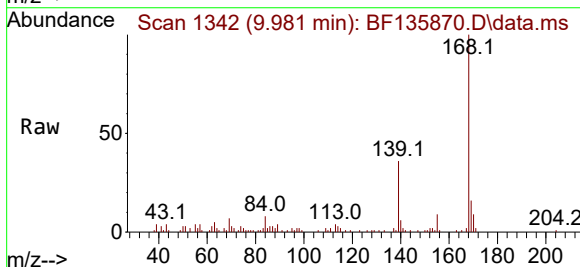
Instrument :
BNA_F
ClientSampleId :
C-1(0-5)

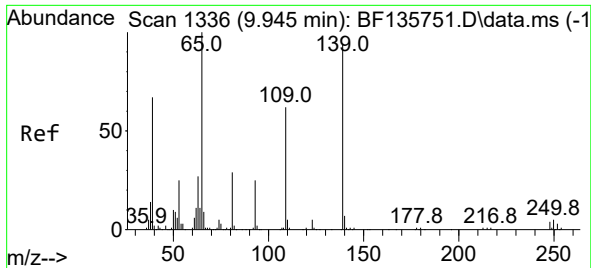
Tgt Ion:154 Resp: 13416
Ion Ratio Lower Upper
154 100
153 110.6 90.1 135.1
152 49.9 43.1 64.7



#55
Dibenzofuran
Concen: 3.106 ng
RT: 9.981 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BF135870.D
Acq: 19 Oct 2023 02:59

Tgt Ion:168 Resp: 28010
Ion Ratio Lower Upper
168 100
139 36.2 31.0 46.4
169 15.6 10.7 16.1

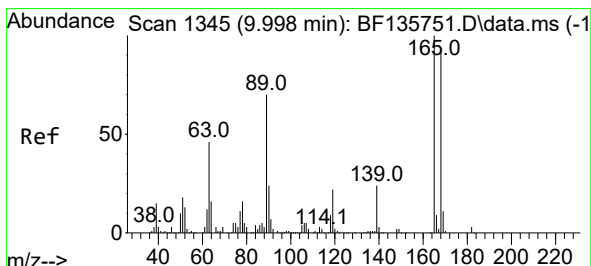
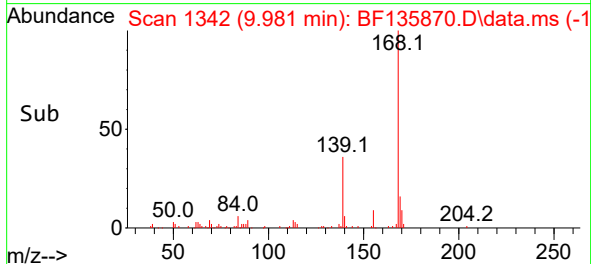
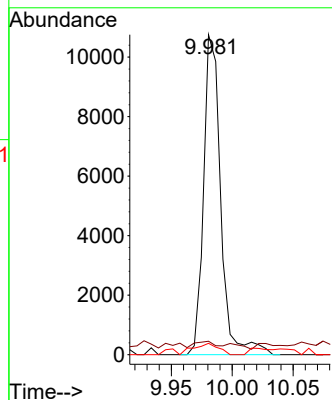
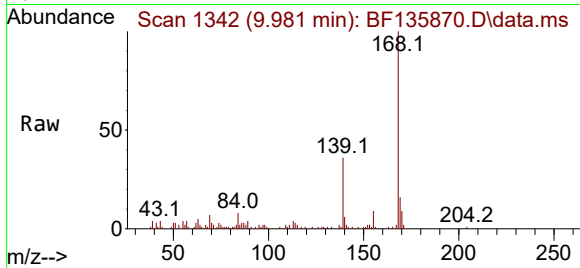




#56
4-Nitrophenol
Concen: 16.475 ng
RT: 9.981 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF135870.D
Acq: 19 Oct 2023 02:59

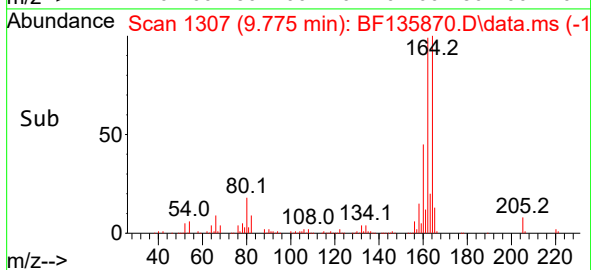
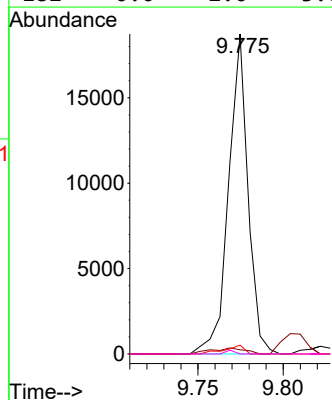
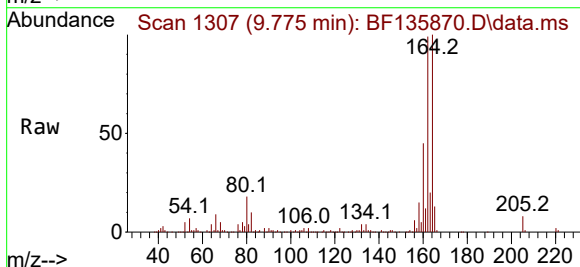
Instrument :
BNA_F
ClientSampleId :
C-1(0-5)

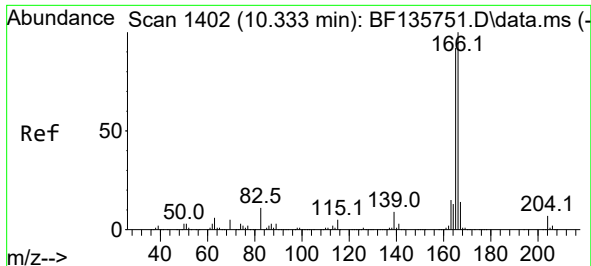
Tgt Ion:139 Resp: 10493
Ion Ratio Lower Upper
139 100
109 4.2 45.6 85.6#
65 3.5 87.5 127.5#



#57
2,4-Dinitrotoluene
Concen: 7.341 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.229 min
Lab File: BF135870.D
Acq: 19 Oct 2023 02:59

Tgt Ion:165 Resp: 14795
Ion Ratio Lower Upper
165 100
63 1.3 39.0 58.4#
89 2.8 55.9 83.9#
182 0.0 2.0 3.0#

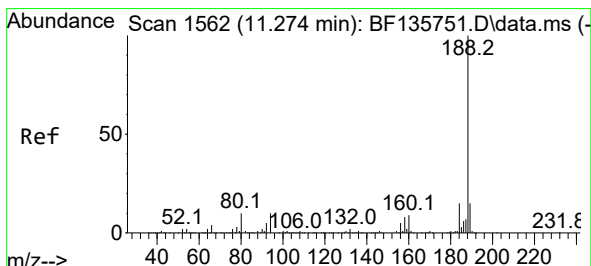
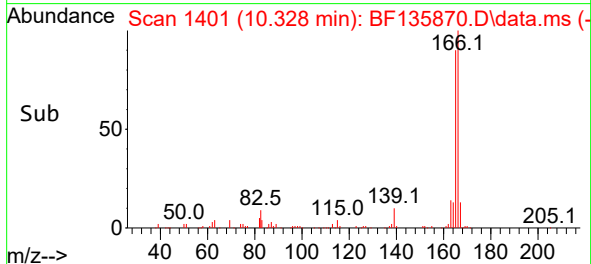
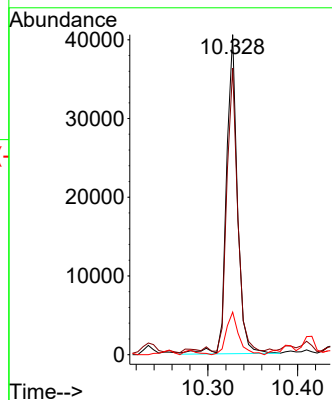
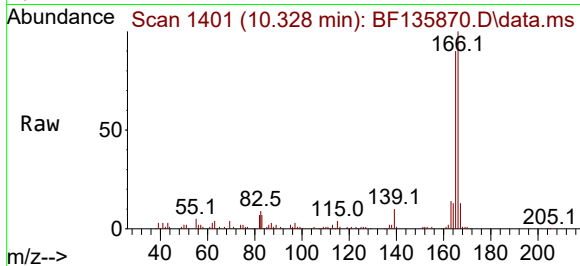




#58
 Fluorene
 Concen: 4.867 ng
 RT: 10.328 min Scan# 1402
 Delta R.T. -0.012 min
 Lab File: BF135870.D
 Acq: 19 Oct 2023 02:59

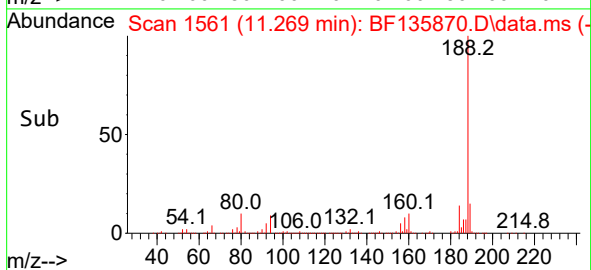
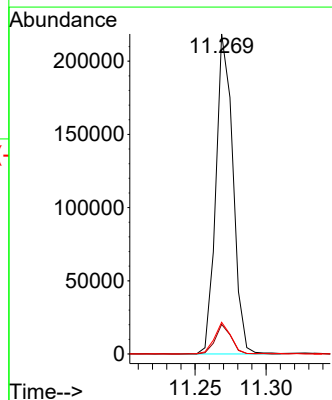
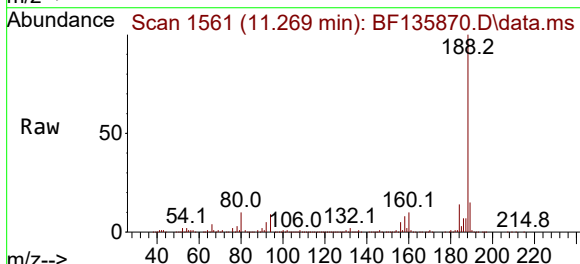
Instrument :
 BNA_F
 ClientSampleId :
 C-1(0-5)

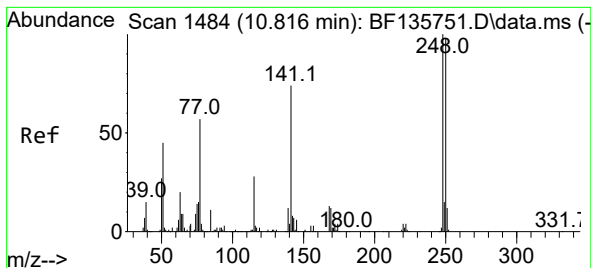
Tgt Ion:166 Resp: 34357
 Ion Ratio Lower Upper
 166 100
 165 89.5 73.4 110.0
 167 13.3 11.0 16.6



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.269 min Scan# 1561
 Delta R.T. -0.012 min
 Lab File: BF135870.D
 Acq: 19 Oct 2023 02:59

Tgt Ion:188 Resp: 182745
 Ion Ratio Lower Upper
 188 100
 94 9.2 8.0 12.0
 80 9.9 8.3 12.5

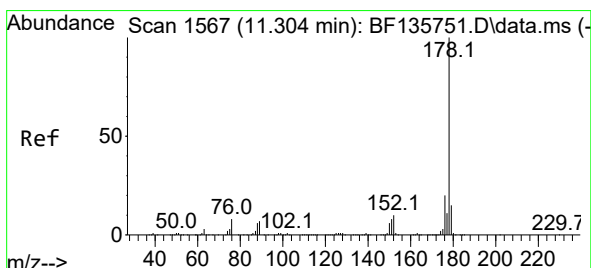
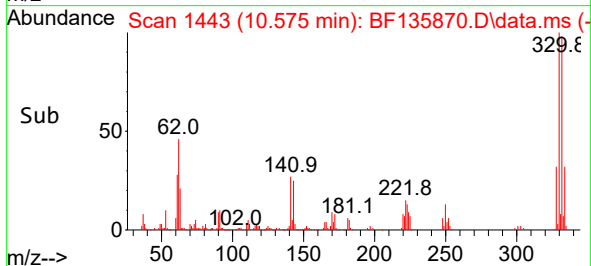
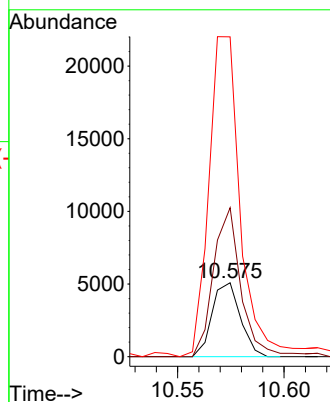
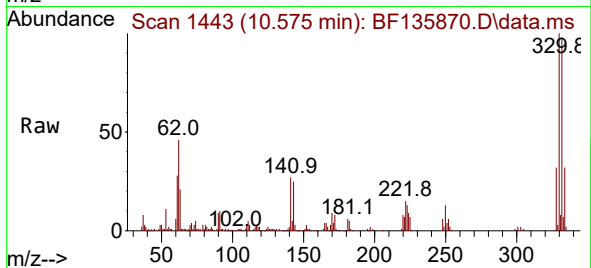




#67
4-Bromophenyl-phenylether
Concen: 2.563 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.247 min
Lab File: BF135870.D
Acq: 19 Oct 2023 02:59

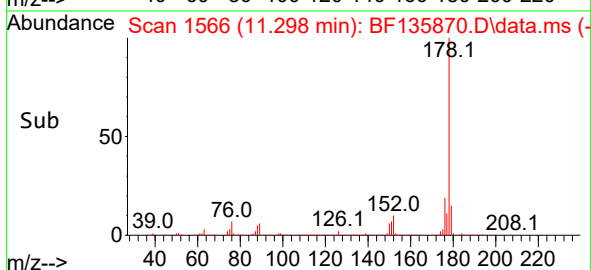
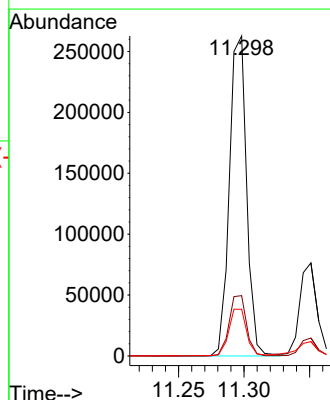
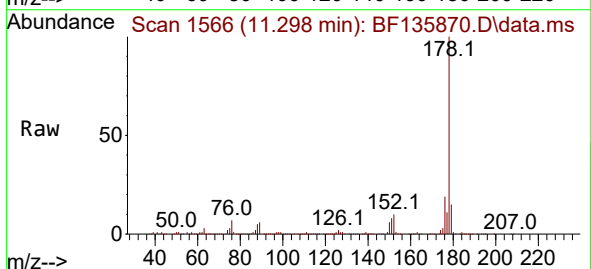
Instrument :
BNA_F
ClientSampleId :
C-1(0-5)

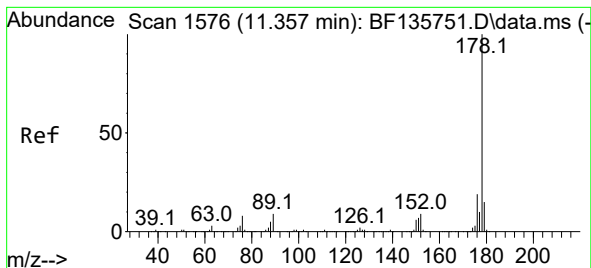
Tgt Ion:248 Resp: 4701
Ion Ratio Lower Upper
248 100
250 201.5 78.0 117.0#
141 432.7 59.0 88.6#



#71
Phenanthrene
Concen: 27.419 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135870.D
Acq: 19 Oct 2023 02:59

Tgt Ion:178 Resp: 240037
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 14.6 12.2 18.4





#72

Anthracene

Concen: 7.425 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135870.D

Acq: 19 Oct 2023 02:59

Instrument :

BNA_F

ClientSampleId :

C-1(0-5)

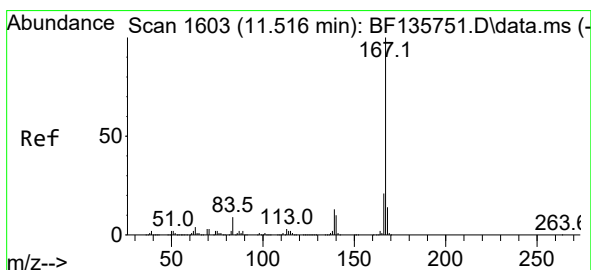
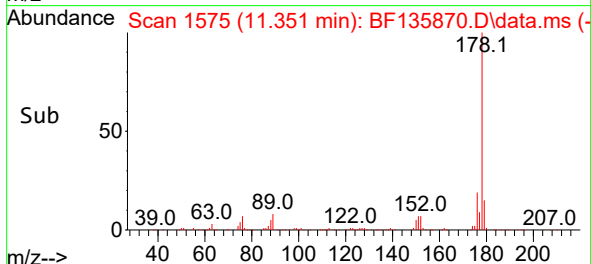
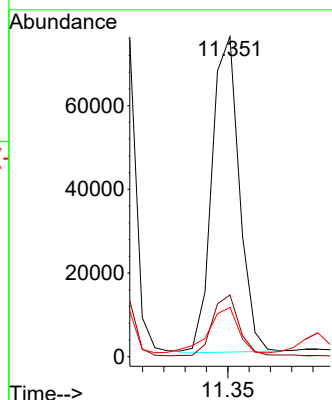
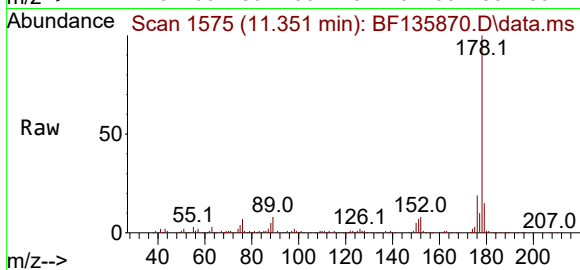
Tgt Ion:178 Resp: 67356

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

179 15.4 12.3 18.5



#73

Carbazole

Concen: 3.053 ng

RT: 11.516 min Scan# 1603

Delta R.T. -0.006 min

Lab File: BF135870.D

Acq: 19 Oct 2023 02:59

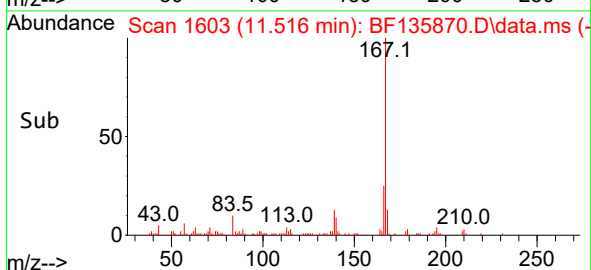
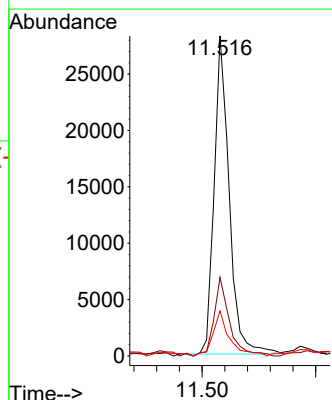
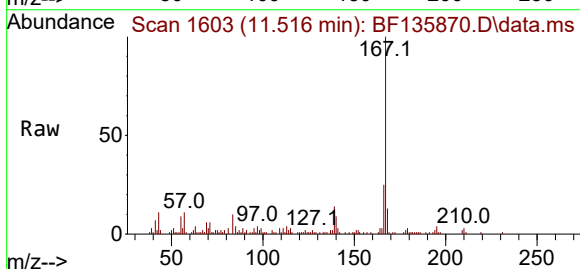
Tgt Ion:167 Resp: 25831

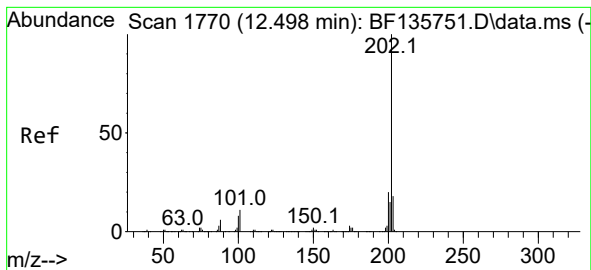
Ion Ratio Lower Upper

167 100

166 24.6 17.1 25.7

139 14.1 10.2 15.4





#75

Fluoranthene

Concen: 32.712 ng

RT: 12.498 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135870.D

Acq: 19 Oct 2023 02:59

Instrument :

BNA_F

ClientSampleId :

C-1(0-5)

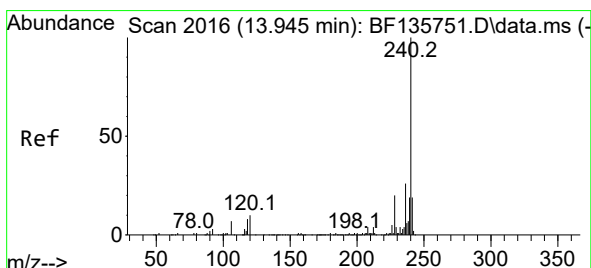
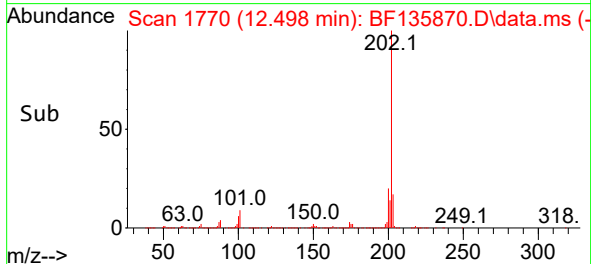
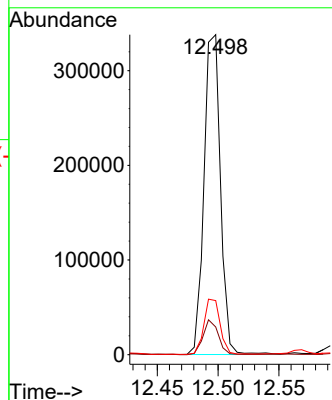
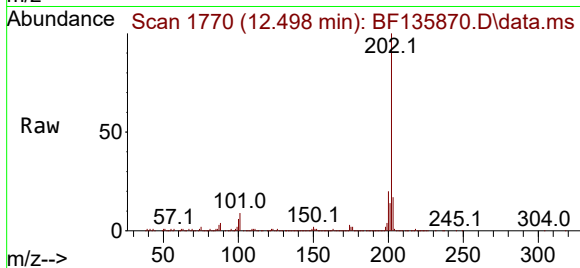
Tgt Ion:202 Resp: 317841

Ion Ratio Lower Upper

202 100

101 8.6 0.0 31.5

203 16.9 0.0 38.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF135870.D

Acq: 19 Oct 2023 02:59

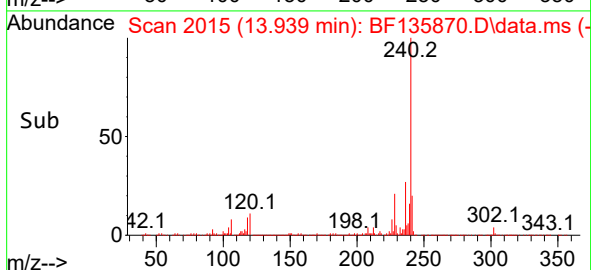
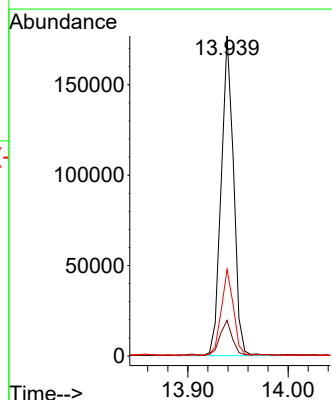
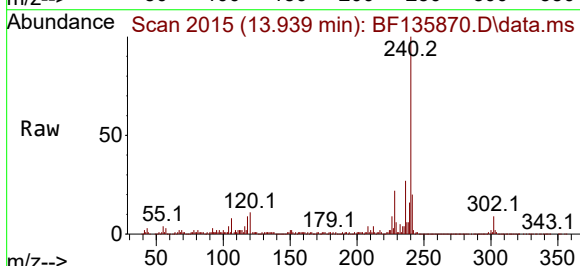
Tgt Ion:240 Resp: 151978

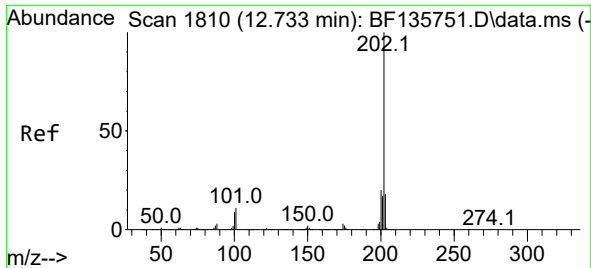
Ion Ratio Lower Upper

240 100

120 11.1 8.2 12.2

236 27.1 21.2 31.8

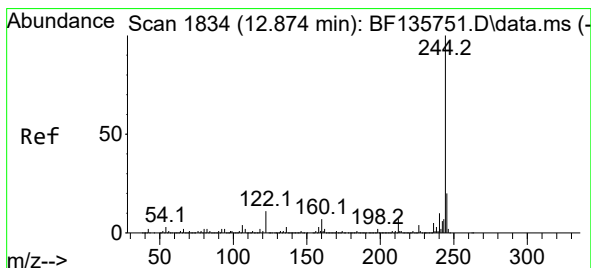
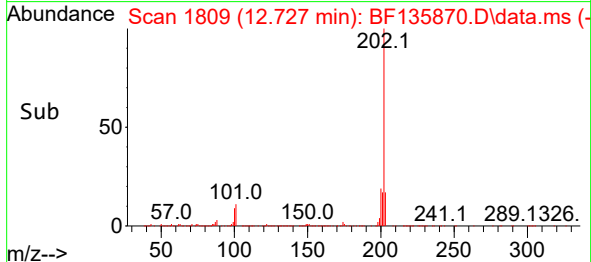
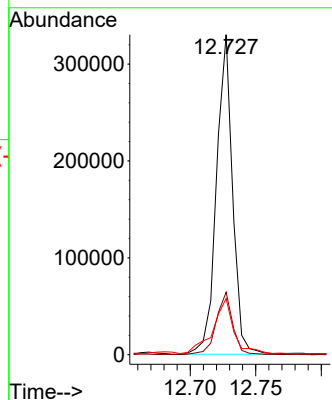
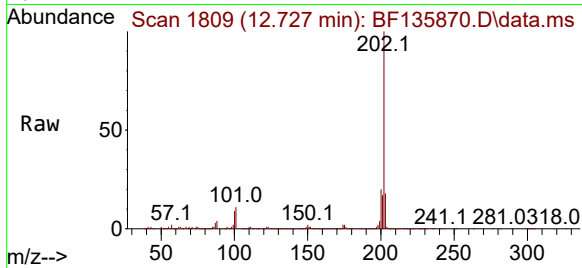




#78
Pyrene
Concen: 23.340 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF135870.D
Acq: 19 Oct 2023 02:59

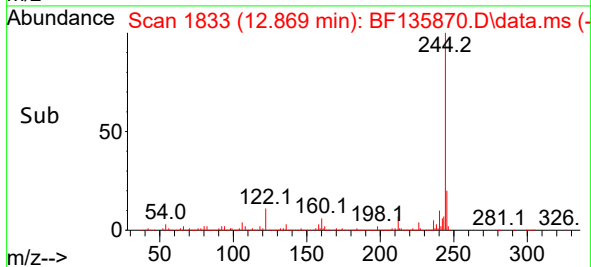
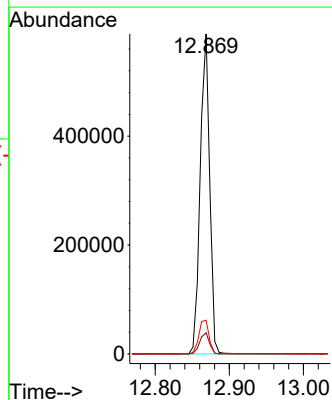
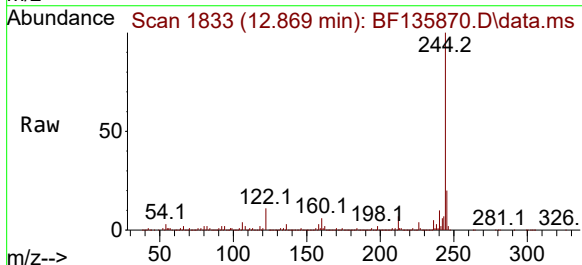
Instrument :
BNA_F
ClientSampleId :
C-1(0-5)

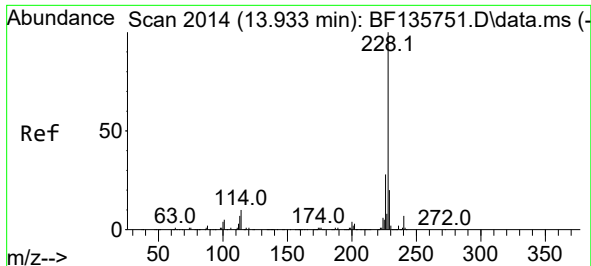
Tgt Ion:202 Resp: 281881
Ion Ratio Lower Upper
202 100
200 19.5 16.1 24.1
203 17.6 14.2 21.2



#79
Terphenyl-d14
Concen: 63.219 ng
RT: 12.869 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF135870.D
Acq: 19 Oct 2023 02:59

Tgt Ion:244 Resp: 518808
Ion Ratio Lower Upper
244 100
212 6.6 5.6 8.4
122 10.6 9.0 13.6

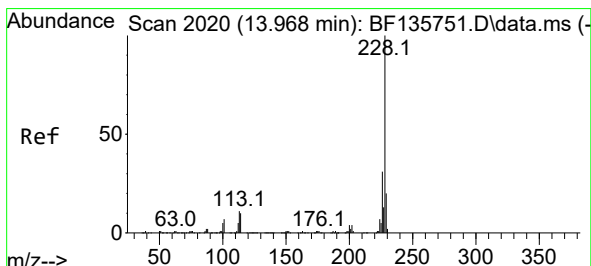
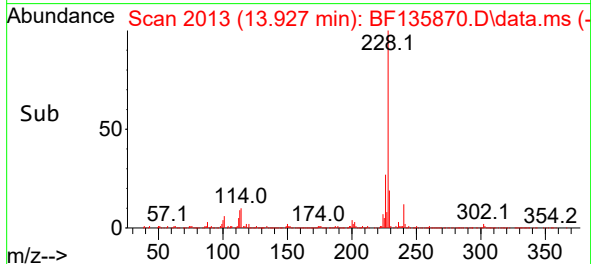
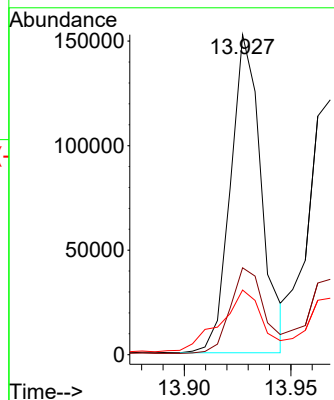
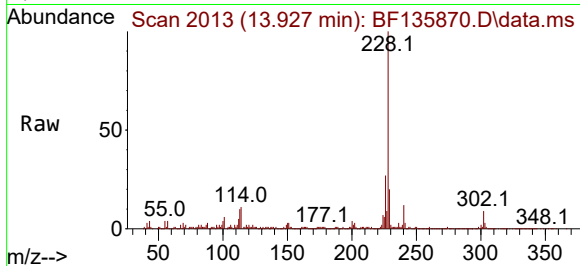




#81
Benzo(a)anthracene
Concen: 15.403 ng
RT: 13.927 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF135870.D
Acq: 19 Oct 2023 02:59

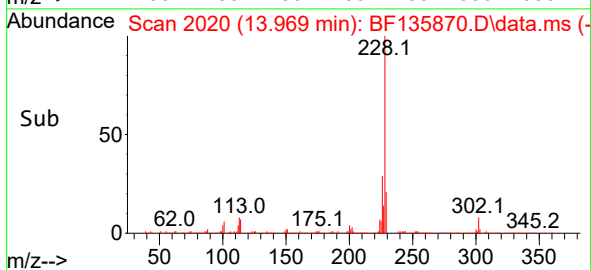
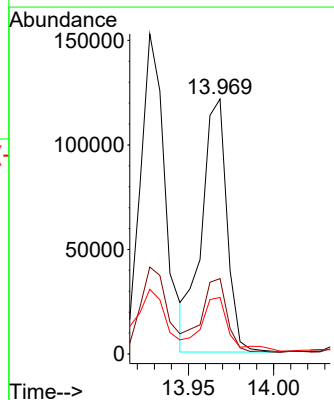
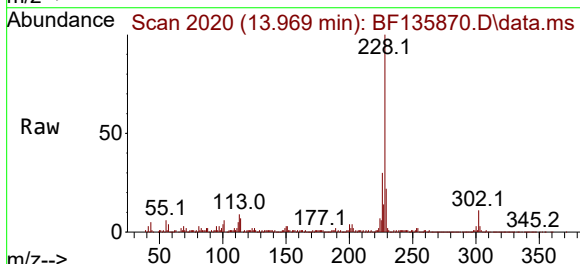
Instrument :
BNA_F
ClientSampleId :
C-1(0-5)

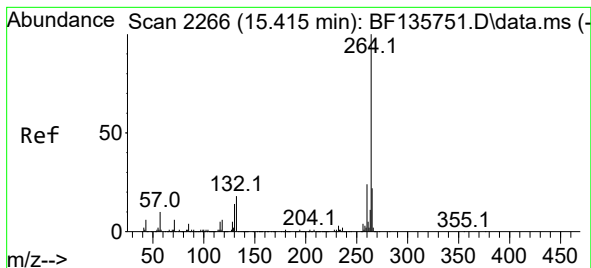
Tgt Ion:228 Resp: 153765
Ion Ratio Lower Upper
228 100
226 27.1 22.2 33.2
229 20.2 16.1 24.1



#83
Chrysene
Concen: 12.978 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135870.D
Acq: 19 Oct 2023 02:59

Tgt Ion:228 Resp: 125478
Ion Ratio Lower Upper
228 100
226 29.6 24.4 36.6
229 22.2 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135870.D

Acq: 19 Oct 2023 02:59

Instrument :

BNA_F

ClientSampleId :

C-1(0-5)

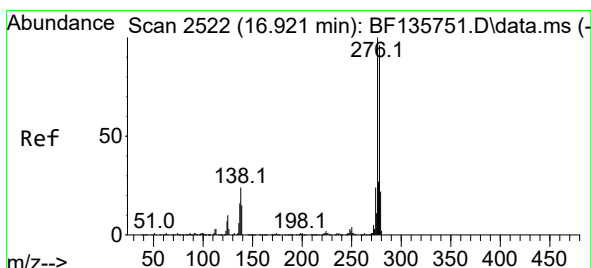
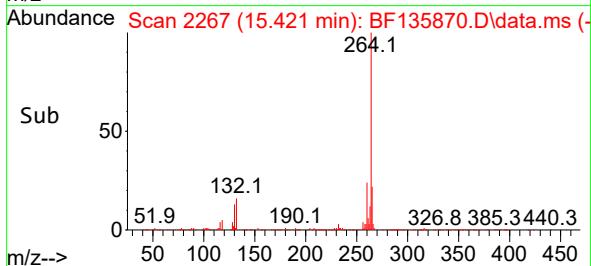
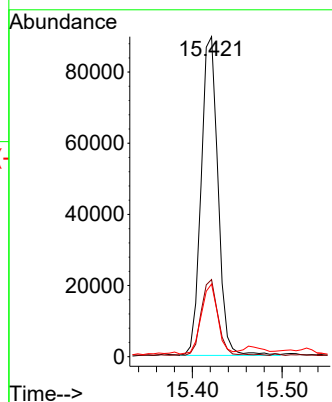
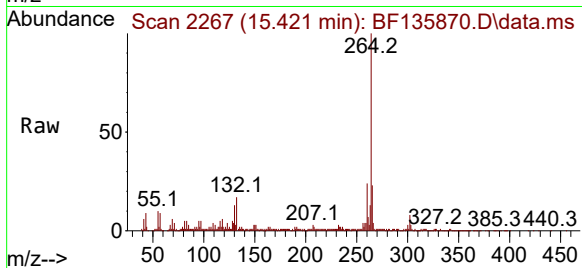
Tgt Ion:264 Resp: 117080

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 22.7 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.389 ng

RT: 16.927 min Scan# 2523

Delta R.T. -0.006 min

Lab File: BF135870.D

Acq: 19 Oct 2023 02:59

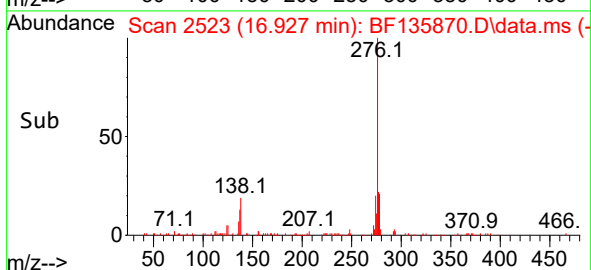
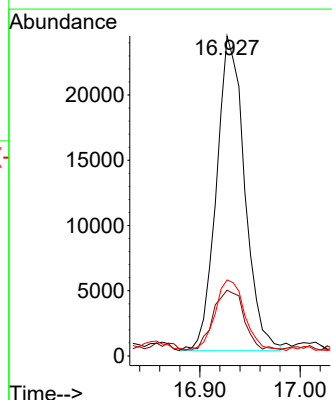
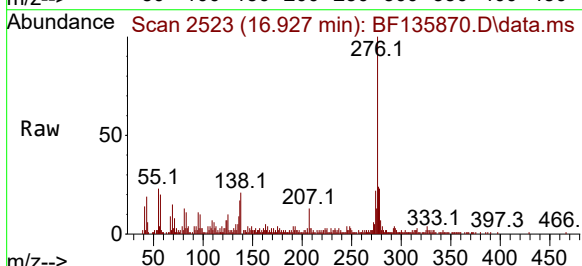
Tgt Ion:276 Resp: 47135

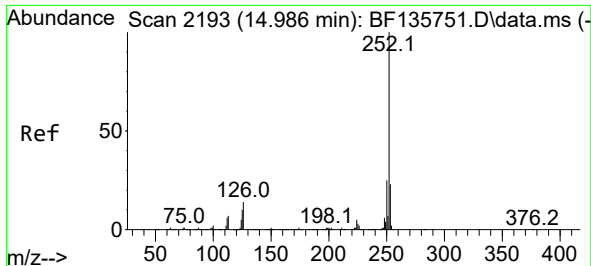
Ion Ratio Lower Upper

276 100

138 20.9 19.8 29.6

277 23.4 20.2 30.4

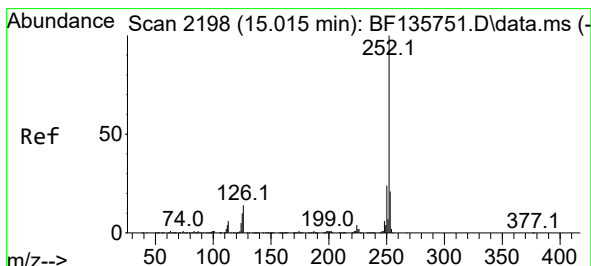
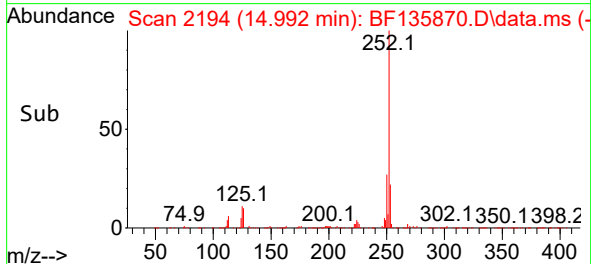
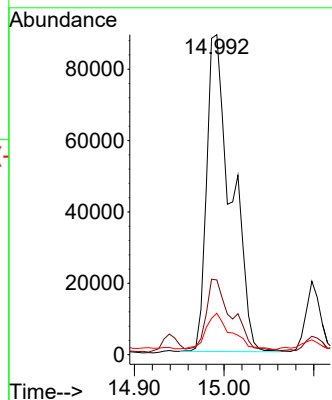
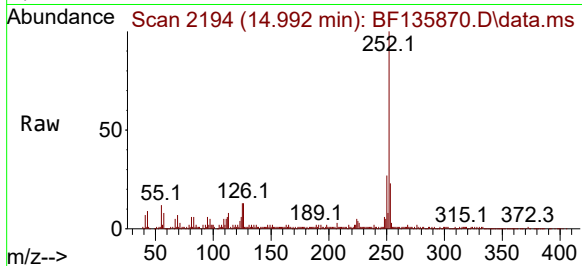




#88
Benzo(b)fluoranthene
Concen: 25.748 ng
RT: 14.992 min Scan# 2194
Delta R.T. -0.000 min
Lab File: BF135870.D
Acq: 19 Oct 2023 02:59

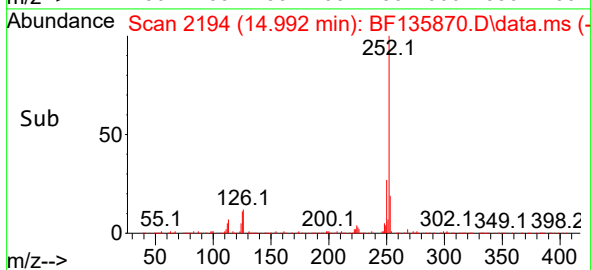
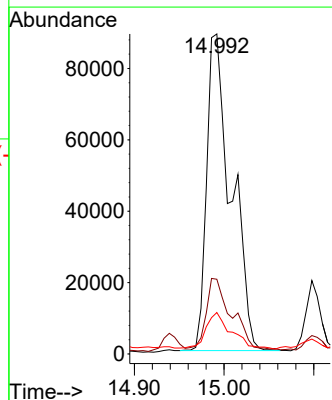
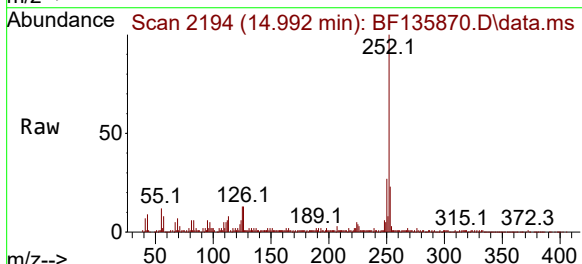
Instrument :
BNA_F
ClientSampleId :
C-1(0-5)

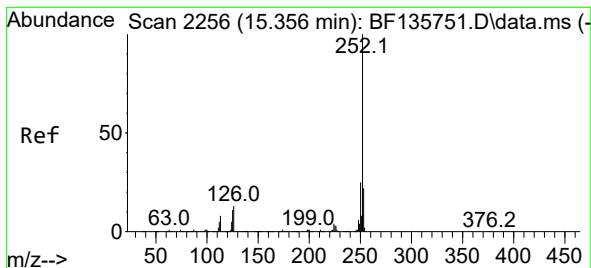
Tgt Ion:252 Resp: 168715
Ion Ratio Lower Upper
252 100
253 23.4 18.2 27.2
125 12.9 8.2 12.2#



#89
Benzo(k)fluoranthene
Concen: 26.451 ng
RT: 14.992 min Scan# 2194
Delta R.T. -0.029 min
Lab File: BF135870.D
Acq: 19 Oct 2023 02:59

Tgt Ion:252 Resp: 168269
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 12.9 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 14.357 ng

RT: 15.357 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135870.D

Acq: 19 Oct 2023 02:59

Instrument :

BNA_F

ClientSampleId :

C-1(0-5)

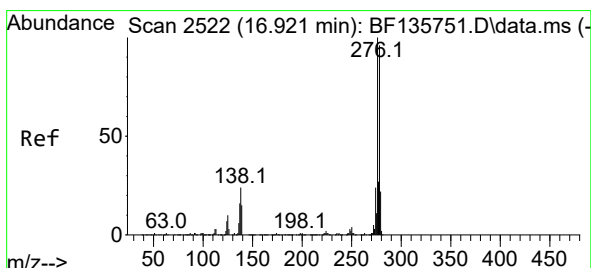
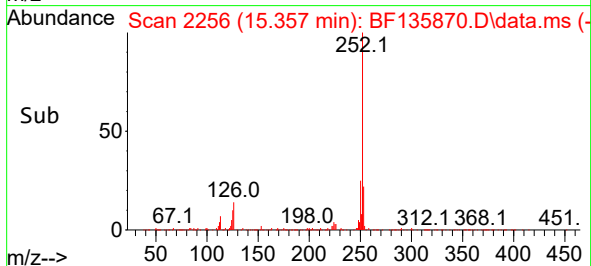
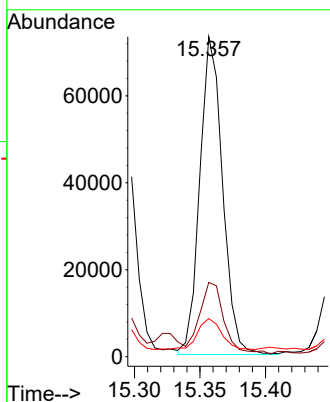
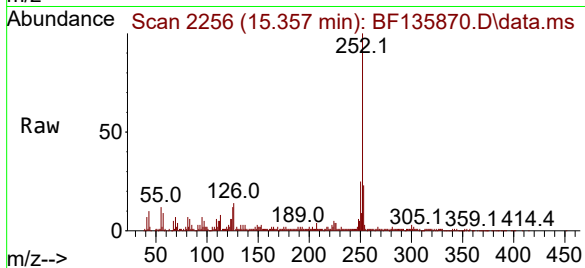
Tgt Ion:252 Resp: 88463

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

125 11.9 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 2.297 ng

RT: 16.927 min Scan# 2523

Delta R.T. -0.012 min

Lab File: BF135870.D

Acq: 19 Oct 2023 02:59

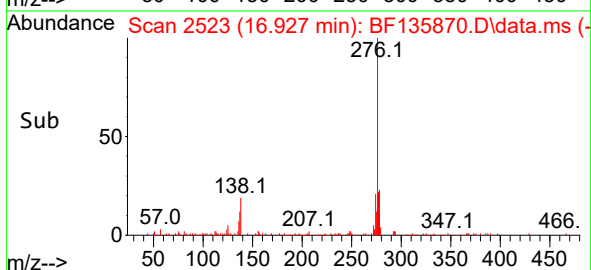
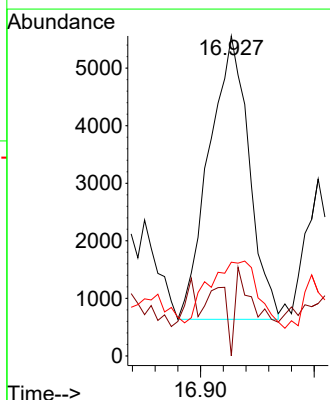
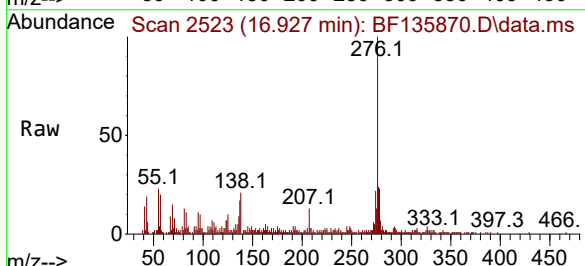
Tgt Ion:278 Resp: 12010

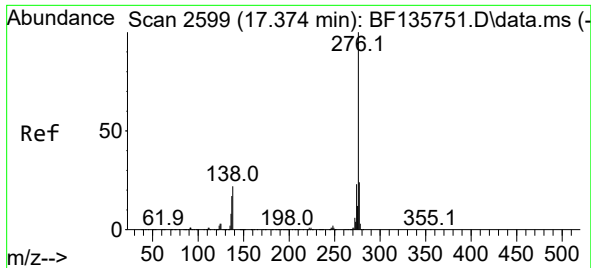
Ion Ratio Lower Upper

278 100

139 0.0 12.5 18.7#

279 29.3 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 8.725 ng
 RT: 17.386 min Scan# 201
 Delta R.T. -0.000 min
 Lab File: BF135870.D
 Acq: 19 Oct 2023 02:59

Instrument :
 BNA_F
 ClientSampleId :
 C-1(0-5)

Tgt Ion:276 Resp: 46871
 Ion Ratio Lower Upper
 276 100
 277 25.4 19.4 29.2
 138 20.4 17.3 25.9

