

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135874.D
 Acq On : 19 Oct 2023 05:00
 Operator : CG\JU
 Sample : 04858-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Quant Time: Oct 19 05:28:04 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)

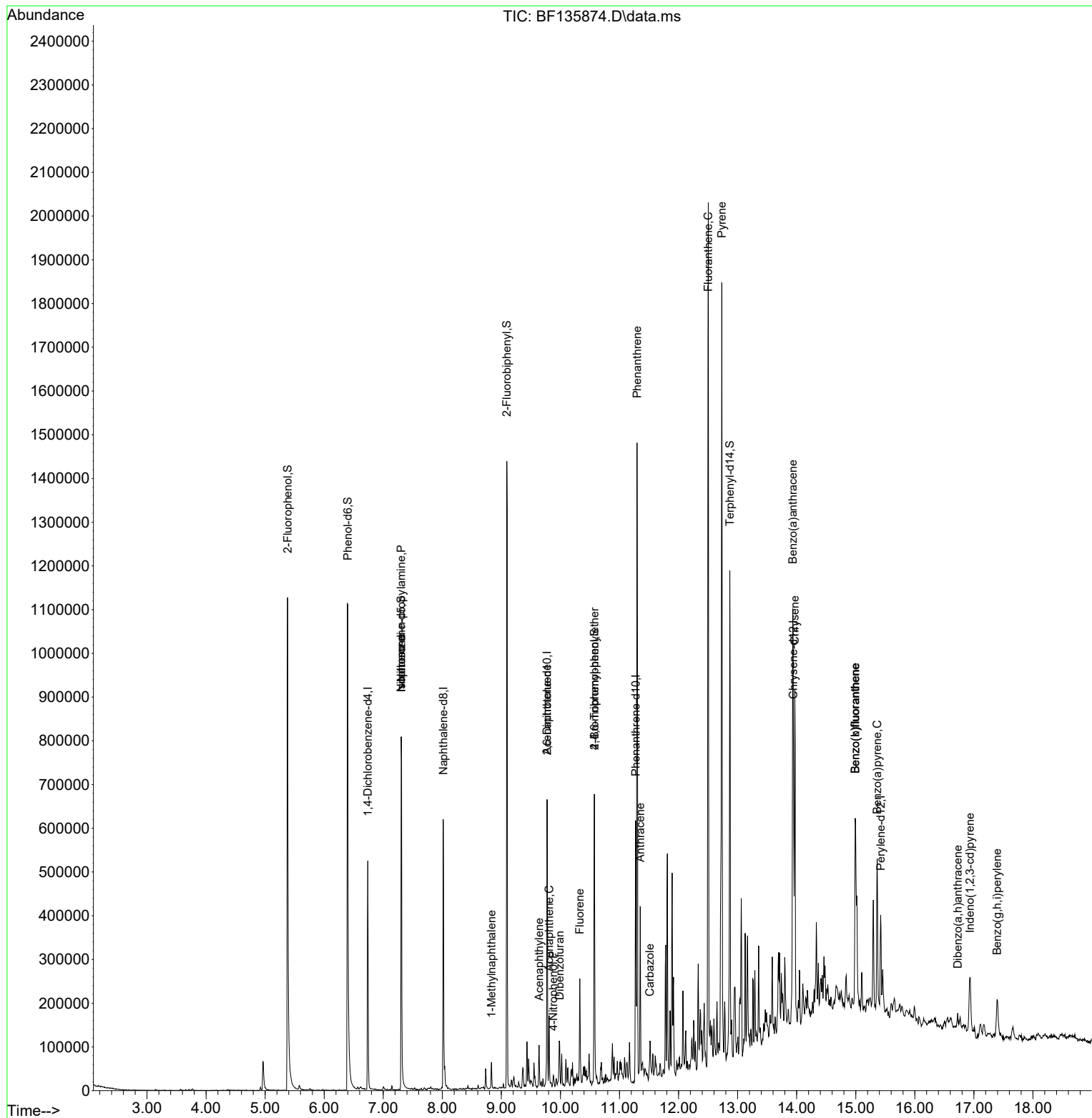
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	75276	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	253155	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	119218	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	198151	20.000	ng	0.00
76) Chrysene-d12	13.945	240	134133	20.000	ng	0.00
86) Perylene-d12	15.421	264	109305	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	361582	77.227	ng	0.00
7) Phenol-d6	6.398	99	441406	75.558	ng	0.00
23) Nitrobenzene-d5	7.304	82	258835	56.233	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	74494	65.118	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	442929	58.089	ng	-0.01
79) Terphenyl-d14	12.869	244	378495	52.257	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	33736	9.340	ng	# 77
25) Isophorone	7.304	82	258835	29.807	ng	# 66
38) 1-Methylnaphthalene	8.834	142	15194	2.025	ng	99
49) Acenaphthylene	9.639	152	31027	2.849	ng	97
51) 2,6-Dinitrotoluene	9.775	165	16745	9.675	ng	# 16
52) Acenaphthene	9.810	154	32638	4.999	ng	98
55) Dibenzofuran	9.986	168	27234	2.765	ng	# 96
56) 4-Nitrophenol	9.880	139	689	6.153	ng	# 45
58) Fluorene	10.328	166	61171	7.932	ng	98
67) 4-Bromophenyl-phenylether	10.575	248	4645	2.335	ng	# 1
71) Phenanthrene	11.298	178	521546	54.944	ng	100
72) Anthracene	11.351	178	142760	14.514	ng	99
73) Carbazole	11.516	167	28354	3.091	ng	98
75) Fluoranthene	12.504	202	801504	76.078	ng	99
78) Pyrene	12.733	202	746190	70.006	ng	100
81) Benzo(a)anthracene	13.933	228	367357	41.696	ng	98
83) Chrysene	13.968	228	289428	33.917	ng	97
87) Indeno(1,2,3-cd)pyrene	16.933	276	87311	14.660	ng	97
88) Benzo(b)fluoranthene	14.992	252	347990	56.885	ng	99
89) Benzo(k)fluoranthene	14.992	252	347990	58.593	ng	98
90) Benzo(a)pyrene	15.362	252	172967	30.069	ng	99
91) Dibenzo(a,h)anthracene	16.727	278	16789	3.439	ng	92
92) Benzo(g,h,i)perylene	17.392	276	76328	15.219	ng	98

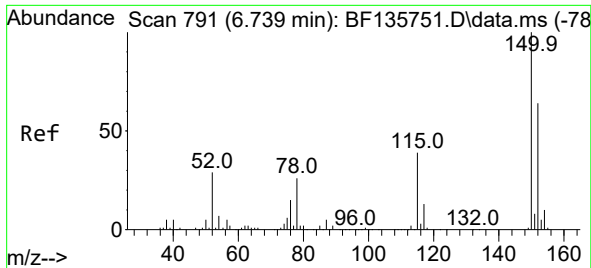
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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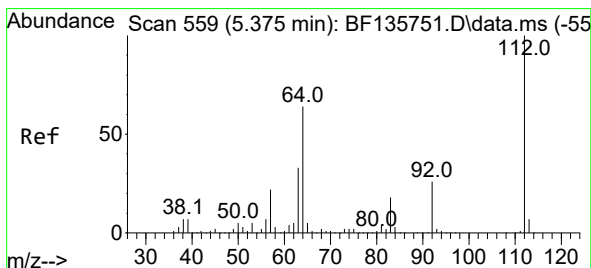
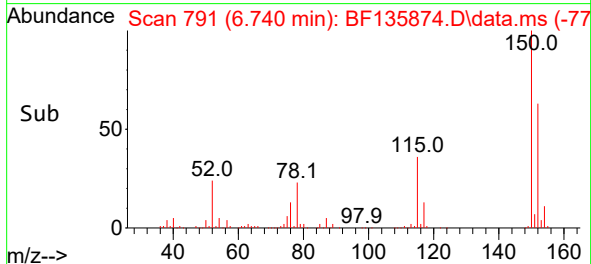
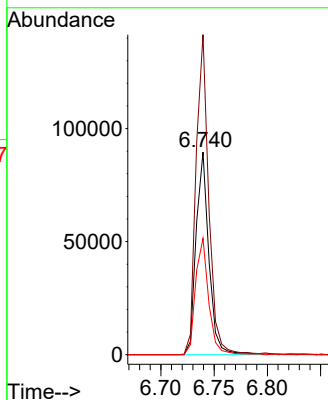
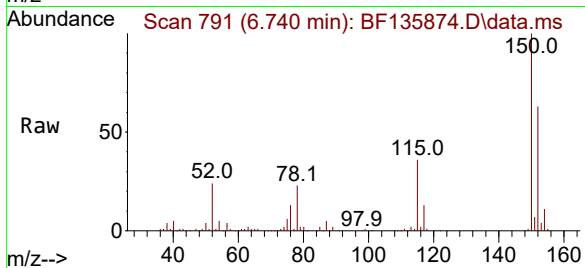




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

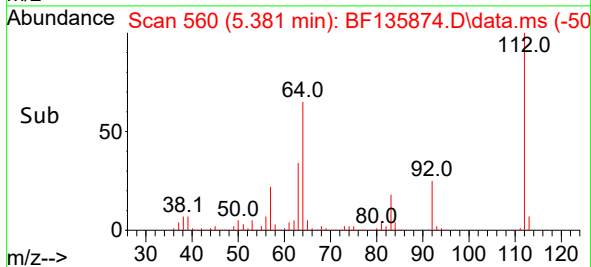
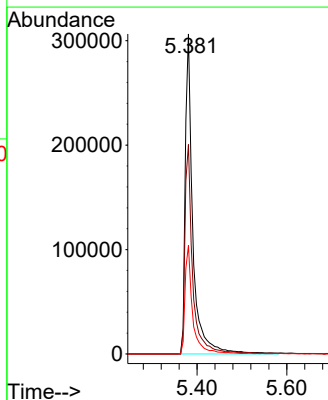
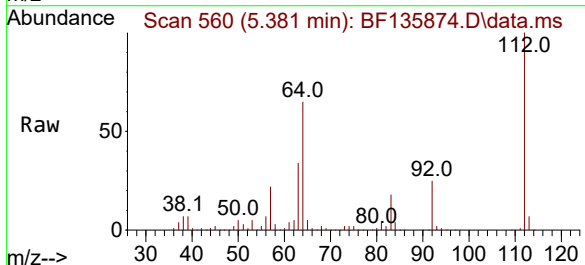
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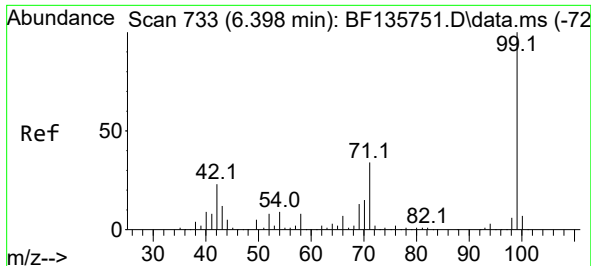
Tgt Ion:152 Resp: 75276
Ion Ratio Lower Upper
152 100
150 157.9 124.5 186.7
115 57.5 49.0 73.4



#5
2-Fluorophenol
Concen: 77.227 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Tgt Ion:112 Resp: 361582
Ion Ratio Lower Upper
112 100
64 65.5 51.2 76.8
63 33.9 26.1 39.1

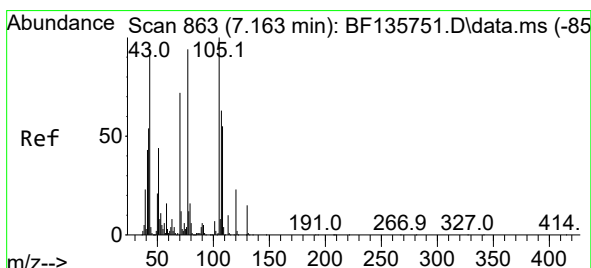
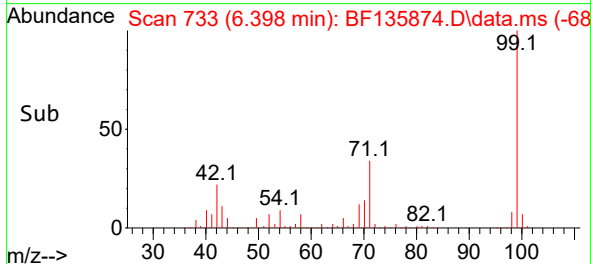
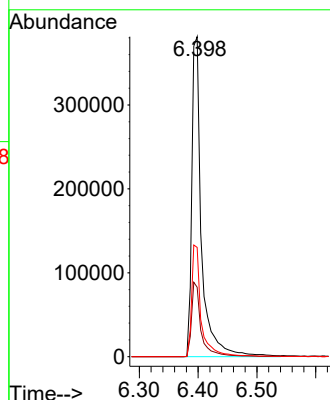
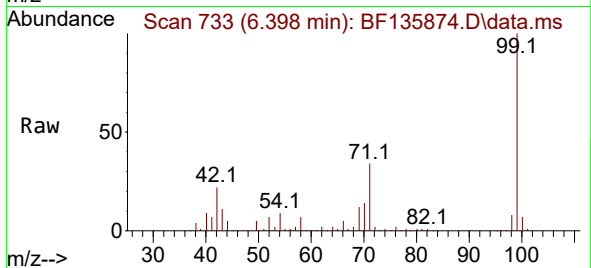




#7
Phenol-d6
Concen: 75.558 ng
RT: 6.398 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

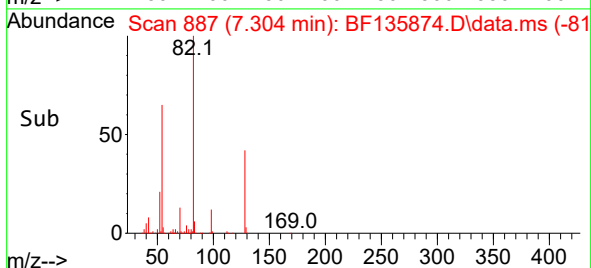
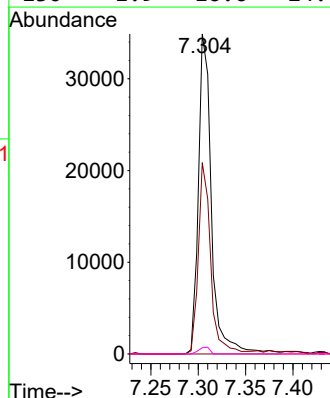
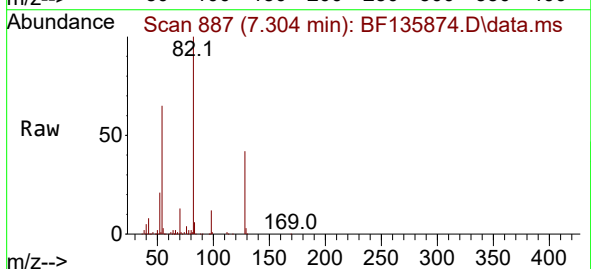
Instrument :
BNA_F
ClientSampleId :
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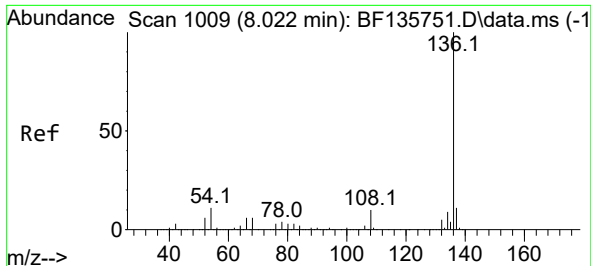
Tgt Ion: 99 Resp: 441406
Ion Ratio Lower Upper
99 100
42 21.7 18.4 27.6
71 34.1 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.340 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Tgt Ion: 70 Resp: 33736
Ion Ratio Lower Upper
70 100
42 59.8 59.8 89.6
101 0.0 7.4 11.2#
130 1.9 16.6 24.8#

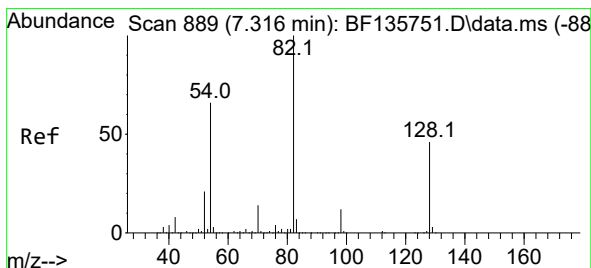
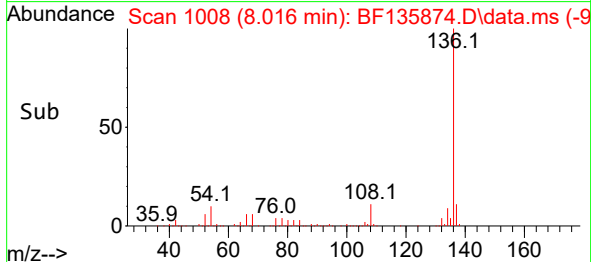
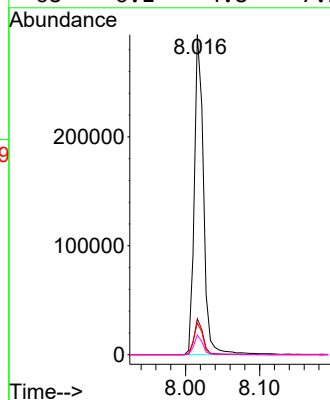
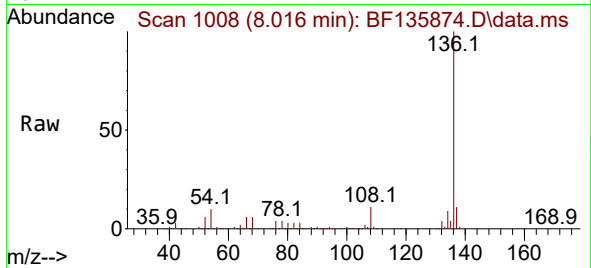




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

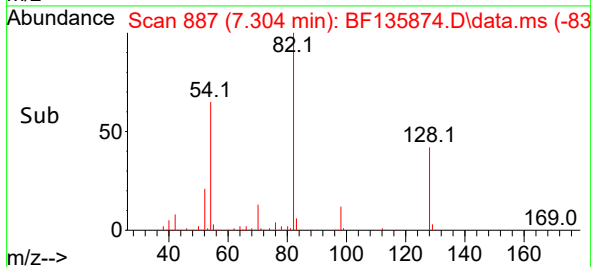
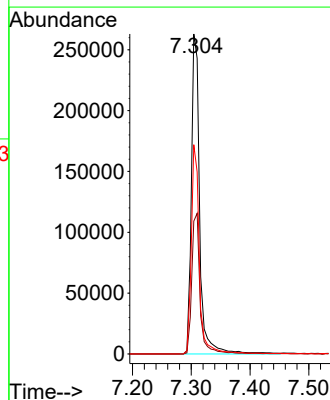
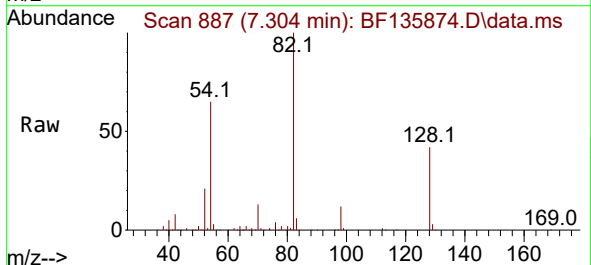
Instrument :
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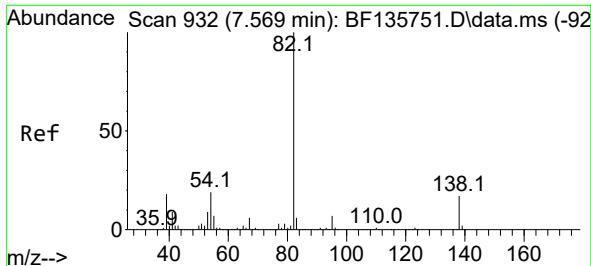
Tgt Ion:136 Resp: 253155
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 9.9 8.5 12.7
68 6.1 4.8 7.2



#23
Nitrobenzene-d5
Concen: 56.233 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Tgt Ion: 82 Resp: 258835
Ion Ratio Lower Upper
82 100
128 41.5 37.0 55.6
54 65.4 52.8 79.2

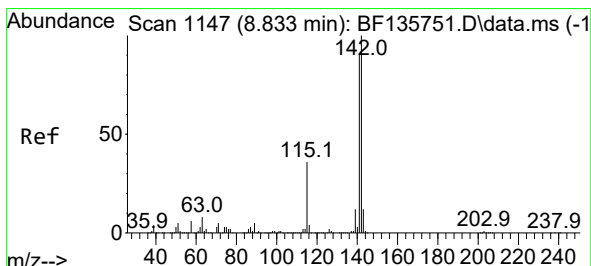
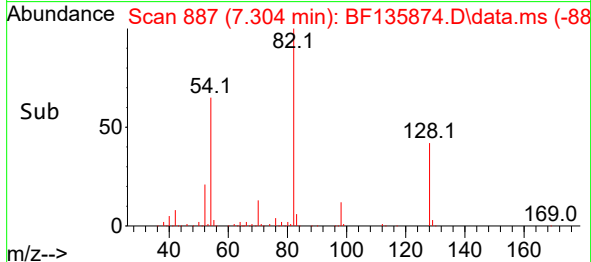
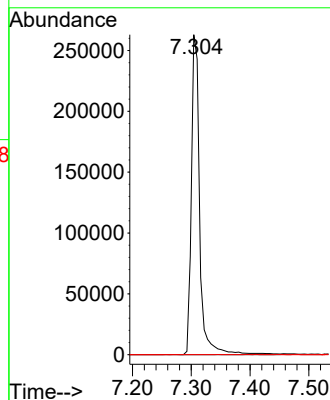
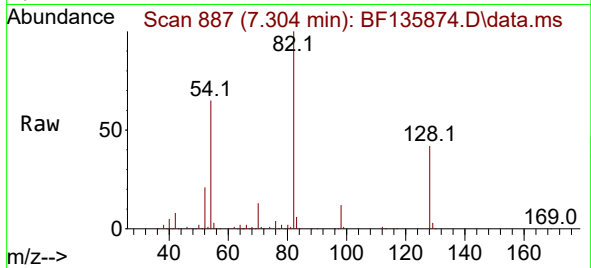




#25
Isophorone
Concen: 29.807 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

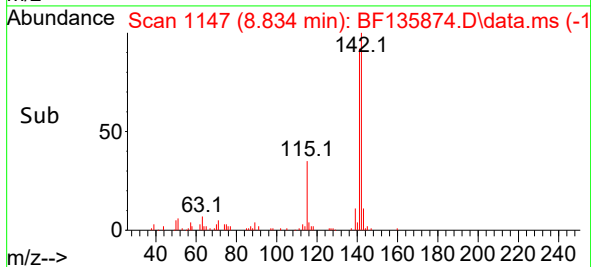
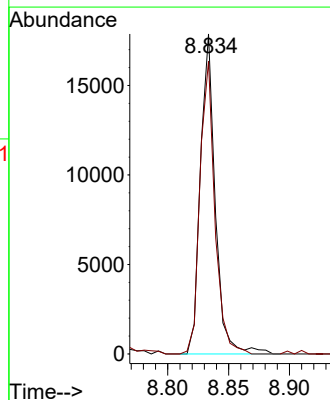
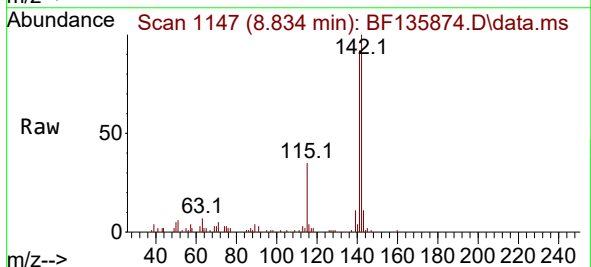
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ClientSampleId :
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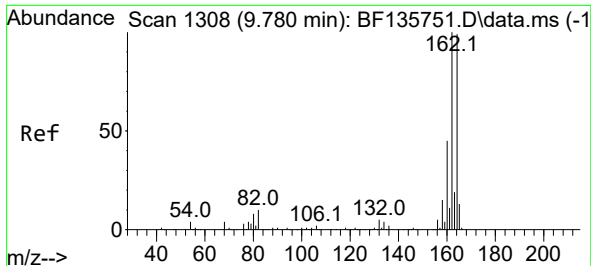
Tgt Ion: 82 Resp: 258835
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#38
1-Methylnaphthalene
Concen: 2.025 ng
RT: 8.834 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Tgt Ion: 142 Resp: 15194
Ion Ratio Lower Upper
142 100
141 91.5 72.7 109.1

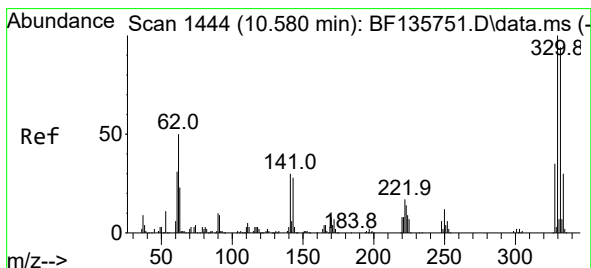
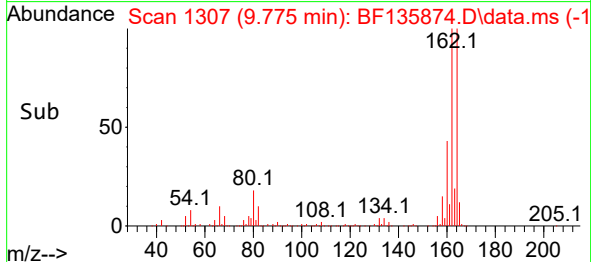
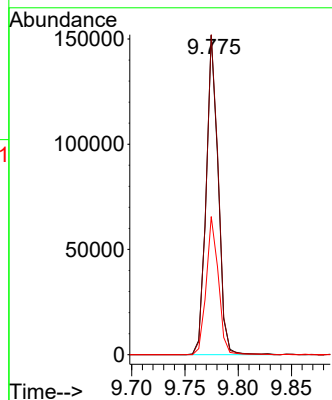
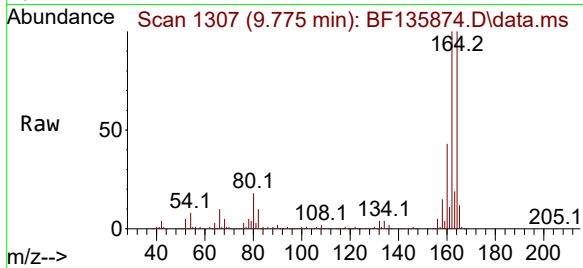




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

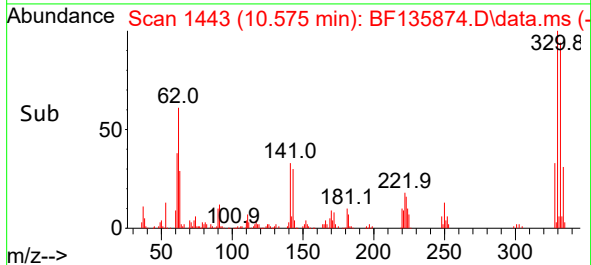
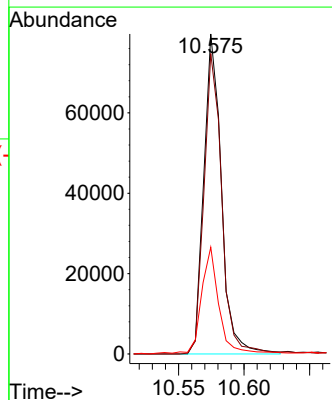
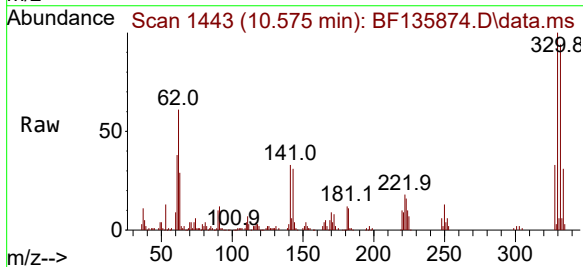
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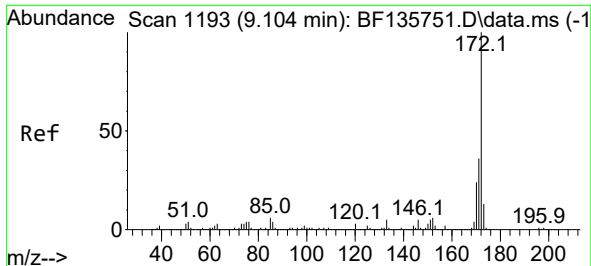
Tgt Ion:164 Resp: 119218
Ion Ratio Lower Upper
164 100
162 100.2 80.8 121.2
160 43.3 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 65.118 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Tgt Ion:330 Resp: 74494
Ion Ratio Lower Upper
330 100
332 95.6 75.0 112.4
141 33.7 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 58.089 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135874.D

Acq: 19 Oct 2023 05:00

Instrument :

BNA_F

ClientSampleId :

WC-3

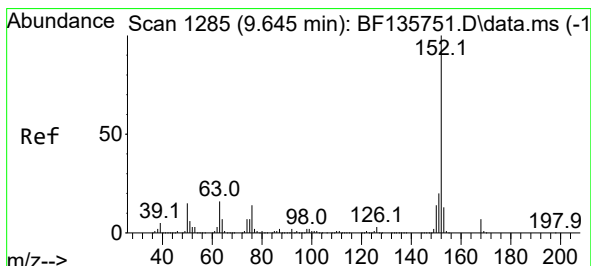
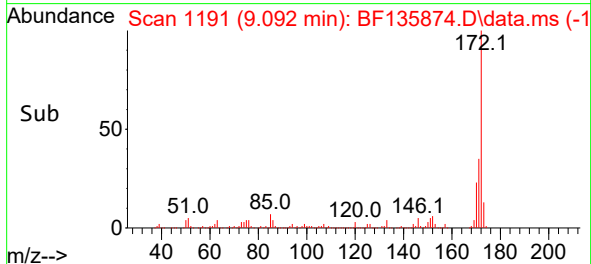
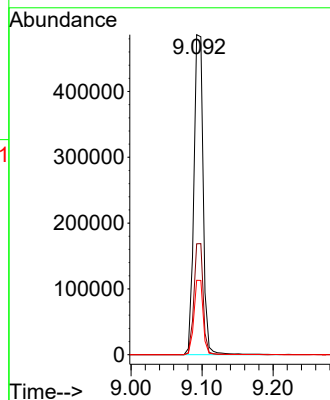
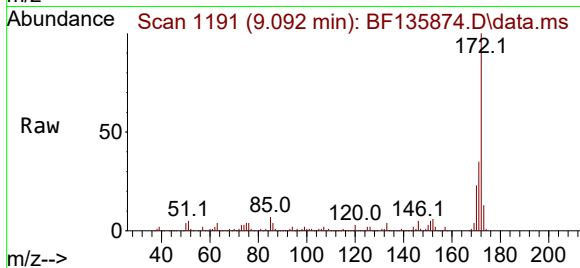
Tgt Ion:172 Resp: 442929

Ion Ratio Lower Upper

172 100

171 34.7 28.4 42.6

170 23.2 18.8 28.2



#49

Acenaphthylene

Concen: 2.849 ng

RT: 9.639 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF135874.D

Acq: 19 Oct 2023 05:00

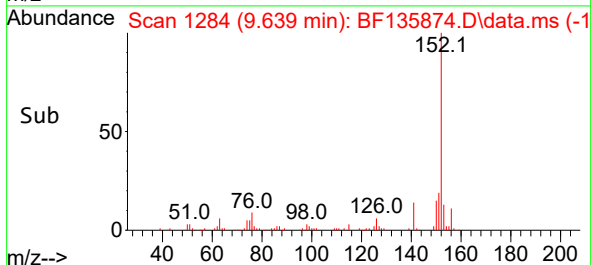
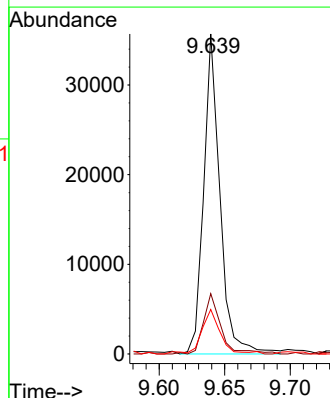
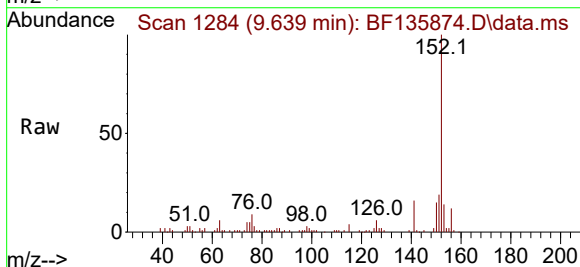
Tgt Ion:152 Resp: 31027

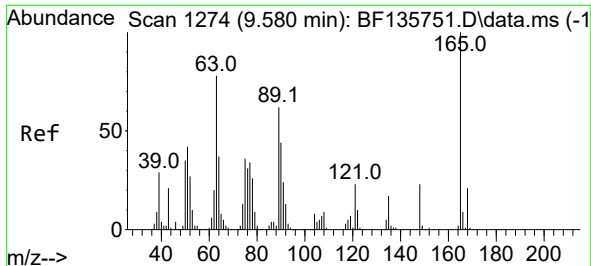
Ion Ratio Lower Upper

152 100

151 18.8 16.2 24.2

153 13.9 10.2 15.4

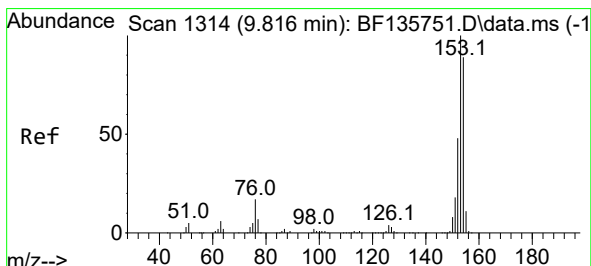
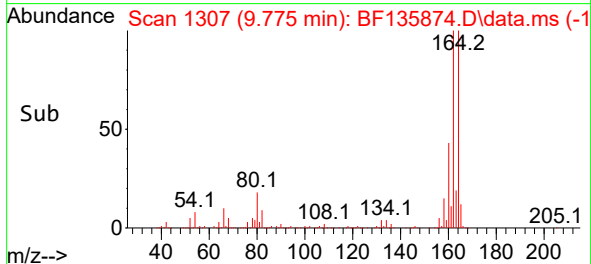
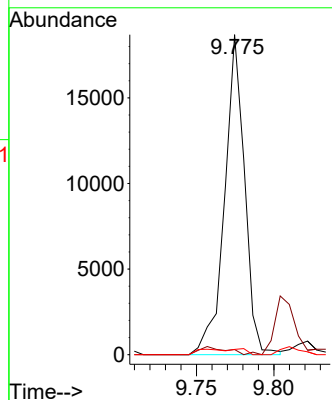
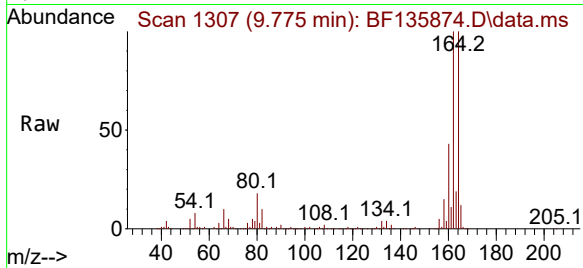




#51
2,6-Dinitrotoluene
Concen: 9.675 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

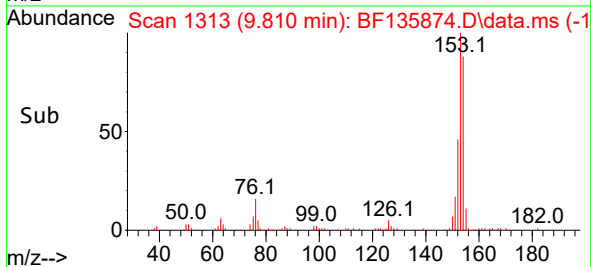
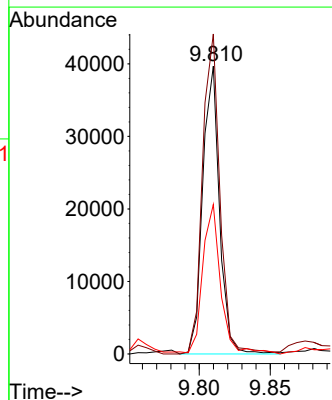
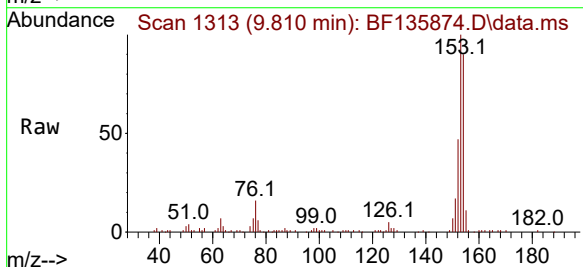
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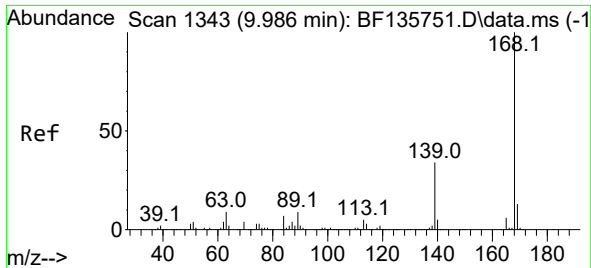
Tgt Ion:165 Resp: 16745
Ion Ratio Lower Upper
165 100
63 1.6 62.2 93.4#
89 1.6 49.6 74.4#



#52
Acenaphthene
Concen: 4.999 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Tgt Ion:154 Resp: 32638
Ion Ratio Lower Upper
154 100
153 111.2 90.1 135.1
152 51.9 43.1 64.7

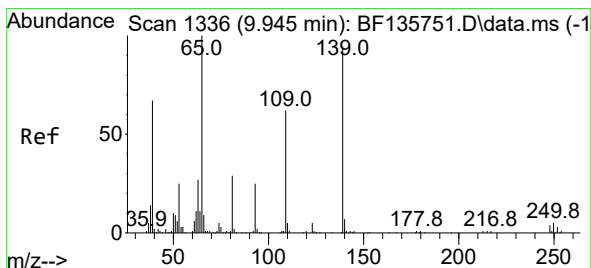
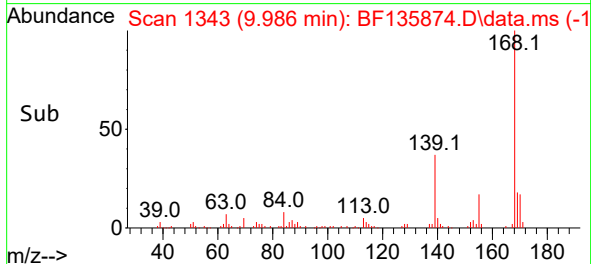
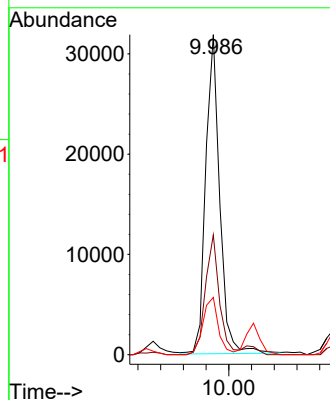
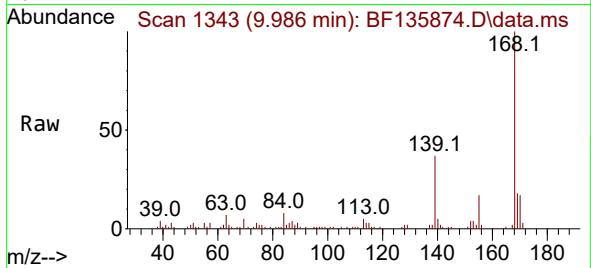




#55
Dibenzofuran
Concen: 2.765 ng
RT: 9.986 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

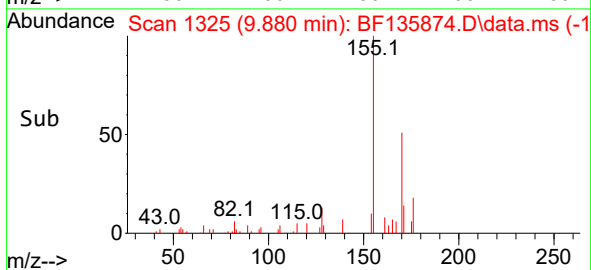
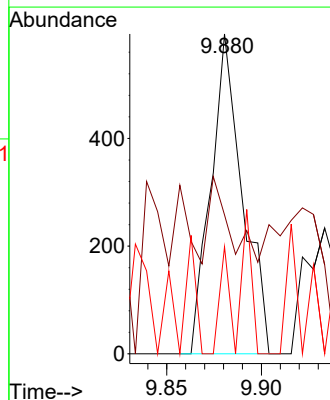
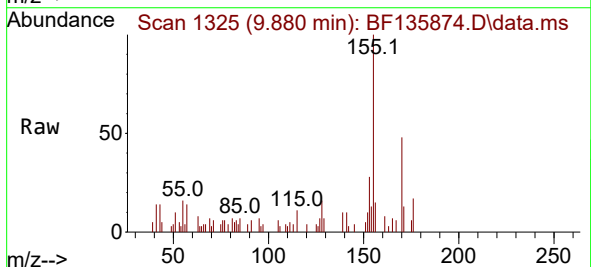
Instrument :
BNA_F
ClientSampleId :
WC-3

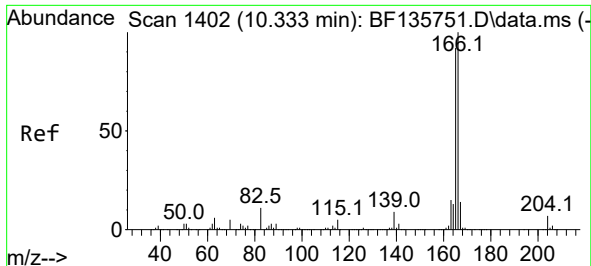
Tgt Ion:168 Resp: 27234
Ion Ratio Lower Upper
168 100
139 37.5 31.0 46.4
169 17.9 10.7 16.1#



#56
4-Nitrophenol
Concen: 6.153 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.065 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Tgt Ion:139 Resp: 689
Ion Ratio Lower Upper
139 100
109 43.4 45.6 85.6#
65 33.5 87.5 127.5#

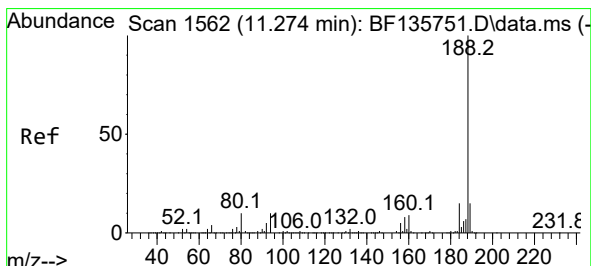
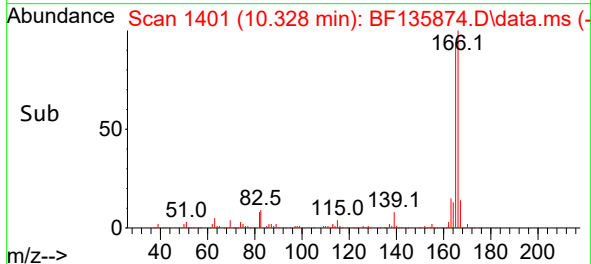
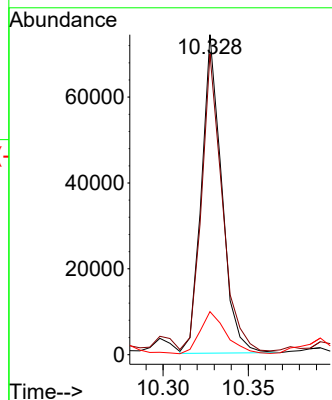
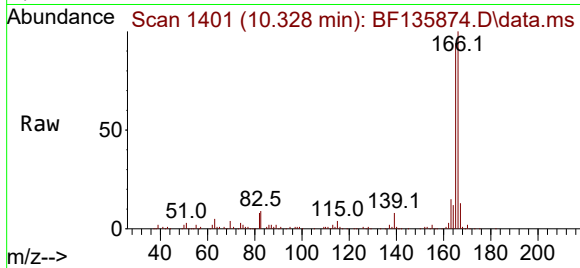




#58
 Fluorene
 Concen: 7.932 ng
 RT: 10.328 min Scan# 1402
 Delta R.T. -0.012 min
 Lab File: BF135874.D
 Acq: 19 Oct 2023 05:00

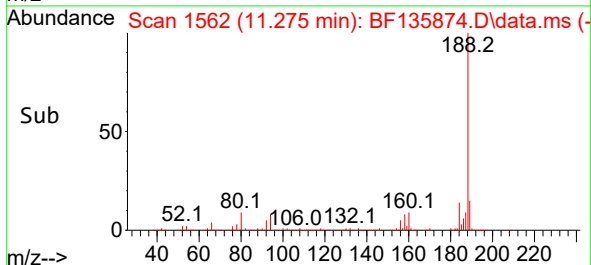
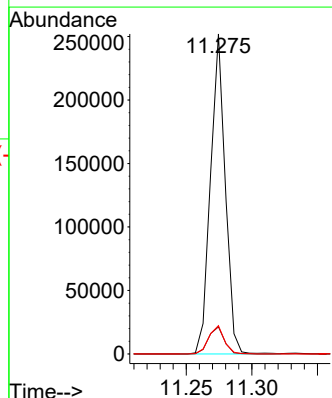
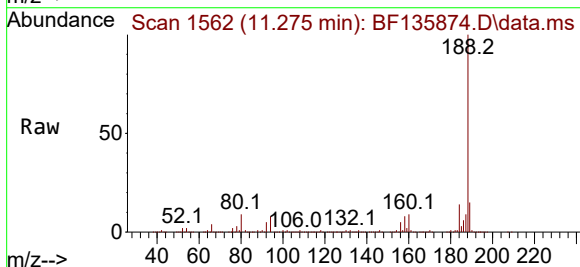
Instrument :
 BNA_F
 ClientSampleId :
 WC-3

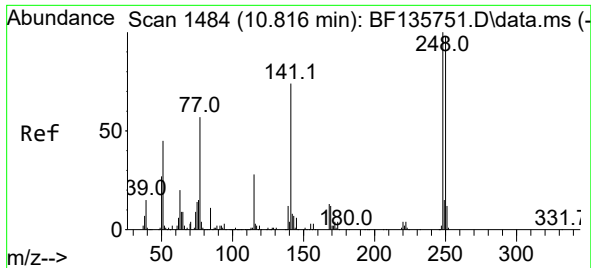
Tgt Ion:166 Resp: 61171
 Ion Ratio Lower Upper
 166 100
 165 94.0 73.4 110.0
 167 13.5 11.0 16.6



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.275 min Scan# 1562
 Delta R.T. -0.006 min
 Lab File: BF135874.D
 Acq: 19 Oct 2023 05:00

Tgt Ion:188 Resp: 198151
 Ion Ratio Lower Upper
 188 100
 94 8.5 8.0 12.0
 80 8.8 8.3 12.5

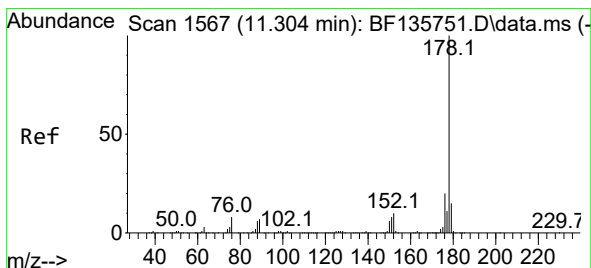
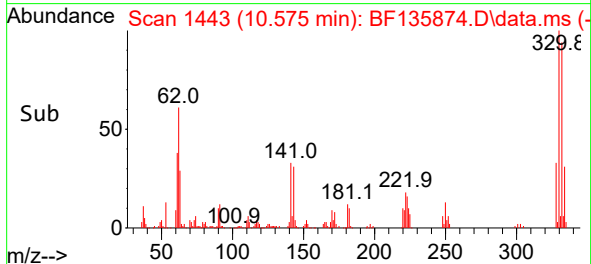
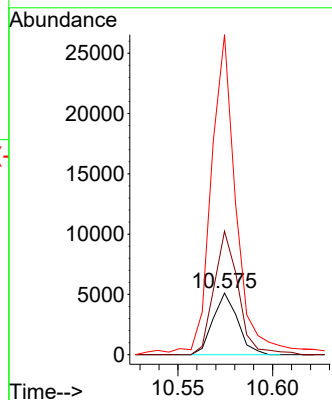
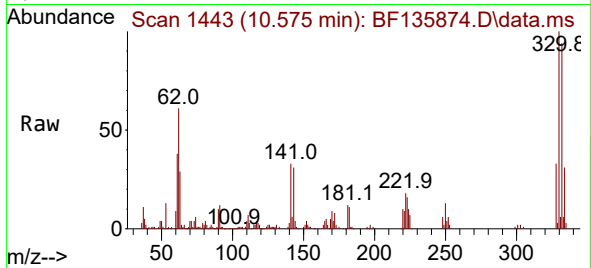




#67
4-Bromophenyl-phenylether
Concen: 2.335 ng
RT: 10.575 min Scan# 1484
Delta R.T. -0.247 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

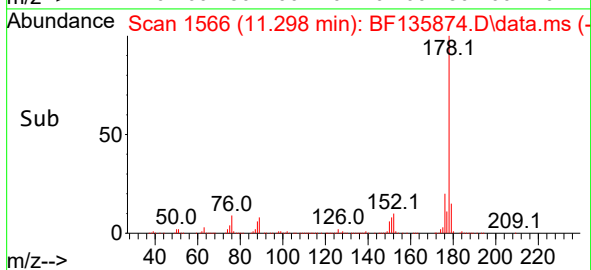
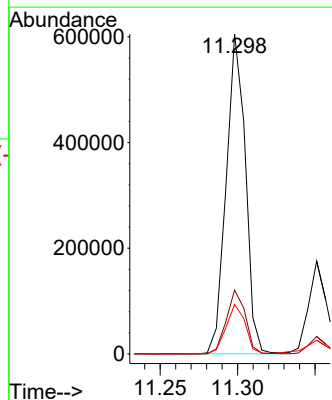
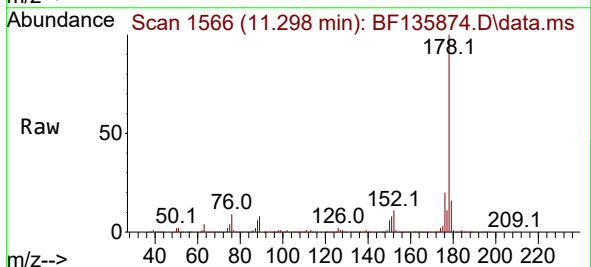
Instrument :
BNA_F
ClientSampleId :
WC-3

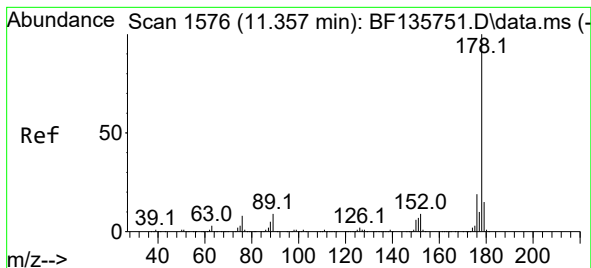
Tgt Ion:248 Resp: 4645
Ion Ratio Lower Upper
248 100
250 200.5 78.0 117.0#
141 519.4 59.0 88.6#



#71
Phenanthrene
Concen: 54.944 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Tgt Ion:178 Resp: 521546
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.5 12.2 18.4





#72

Anthracene

Concen: 14.514 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135874.D

Acq: 19 Oct 2023 05:00

Instrument :

BNA_F

ClientSampleId :

WC-3

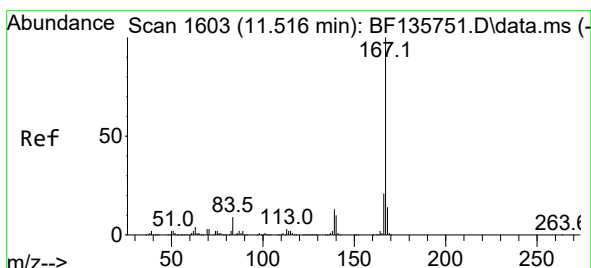
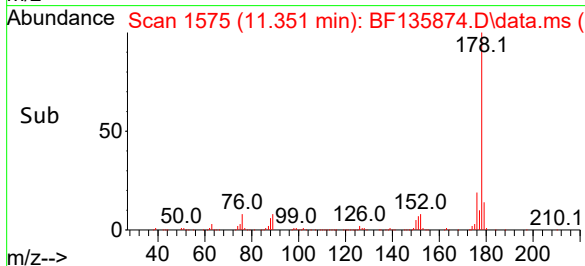
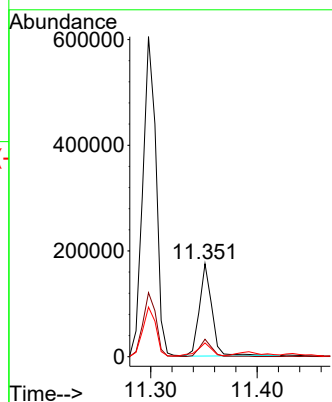
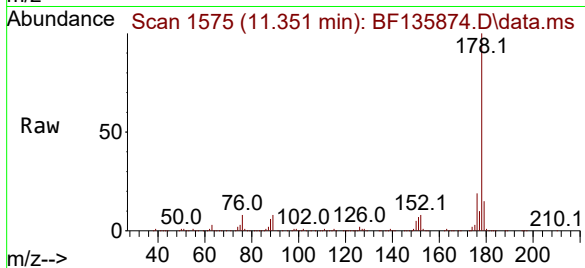
Tgt Ion:178 Resp: 142760

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

179 14.8 12.3 18.5



#73

Carbazole

Concen: 3.091 ng

RT: 11.516 min Scan# 1603

Delta R.T. -0.006 min

Lab File: BF135874.D

Acq: 19 Oct 2023 05:00

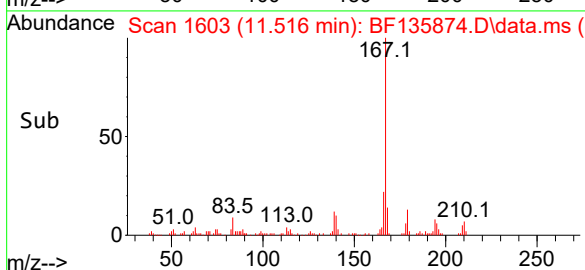
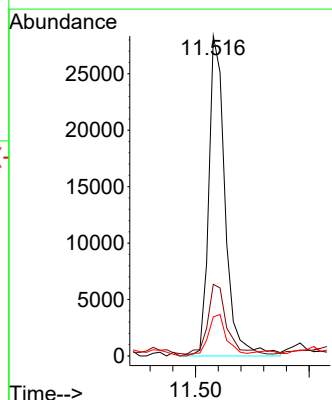
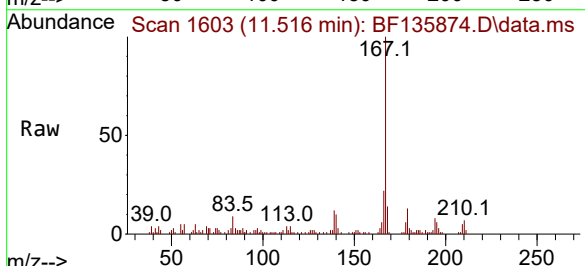
Tgt Ion:167 Resp: 28354

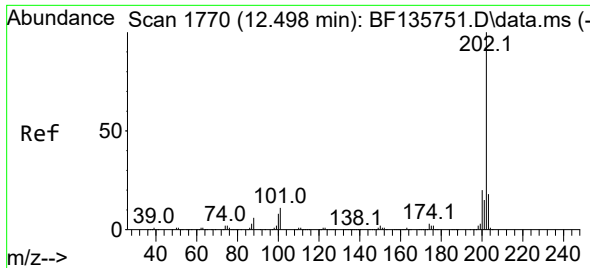
Ion Ratio Lower Upper

167 100

166 22.4 17.1 25.7

139 12.2 10.2 15.4

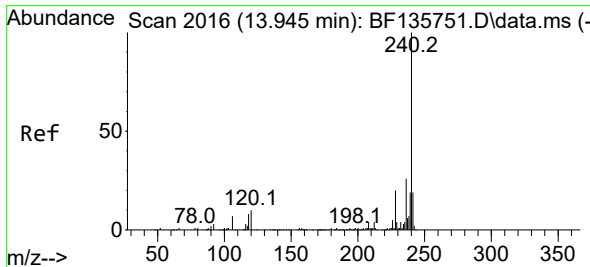
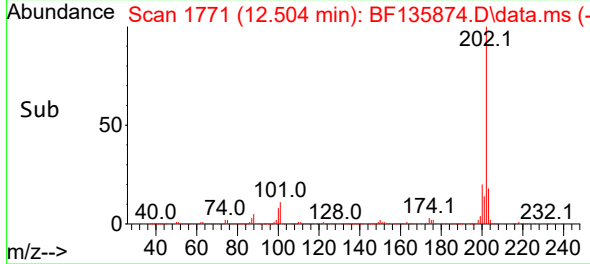
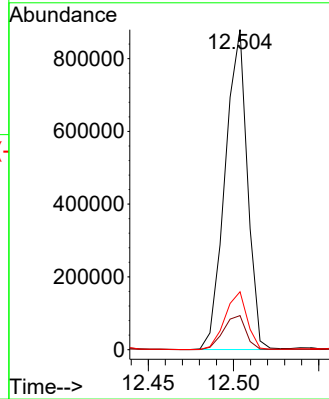
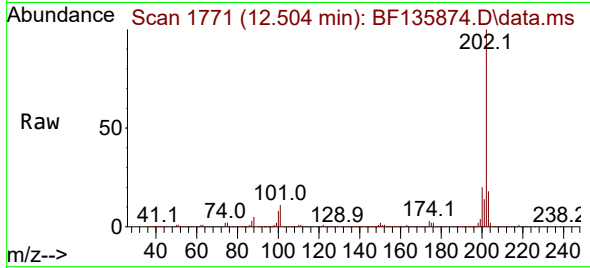




#75
Fluoranthene
Concen: 76.078 ng
RT: 12.504 min Scan# 1770
Delta R.T. -0.000 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

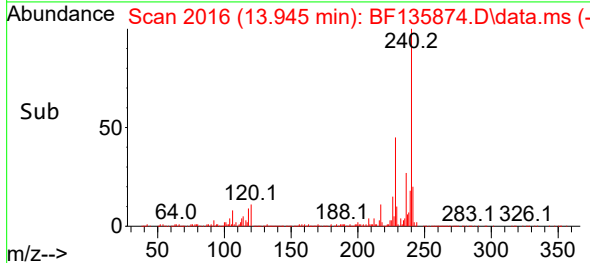
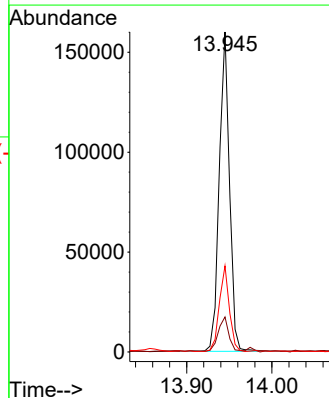
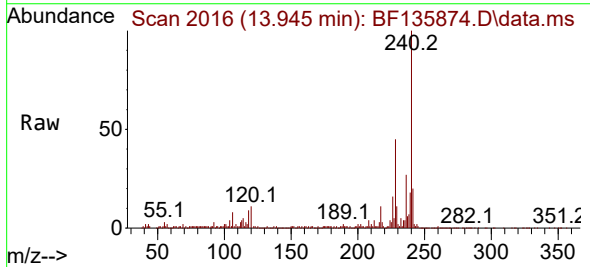
Instrument :
BNA_F
ClientSampleId :
WC-3

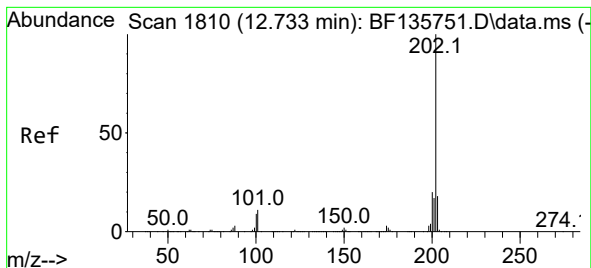
Tgt Ion:202 Resp: 801504
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.5
203 18.1 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Tgt Ion:240 Resp: 134133
Ion Ratio Lower Upper
240 100
120 10.9 8.2 12.2
236 26.9 21.2 31.8





#78

Pyrene

Concen: 70.006 ng

RT: 12.733 min Scan# 1810

Delta R.T. -0.000 min

Lab File: BF135874.D

Acq: 19 Oct 2023 05:00

Instrument :

BNA_F

ClientSampleId :

WC-3

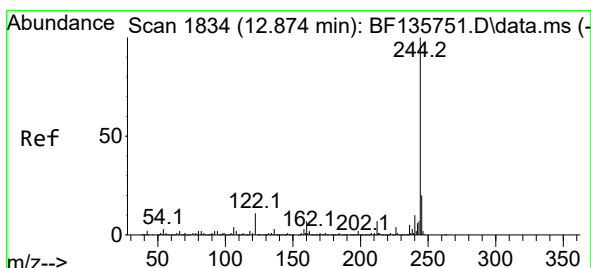
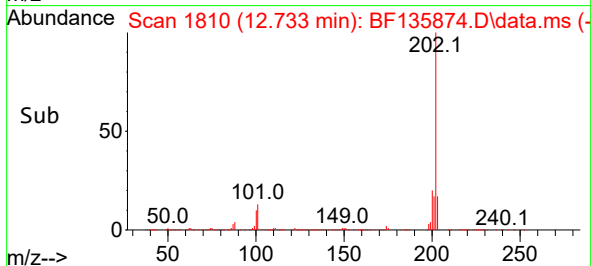
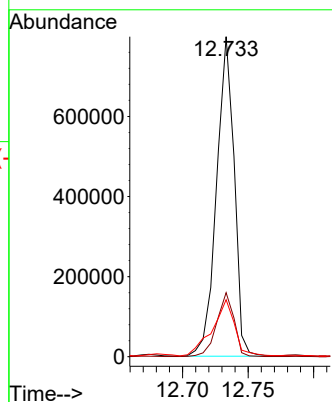
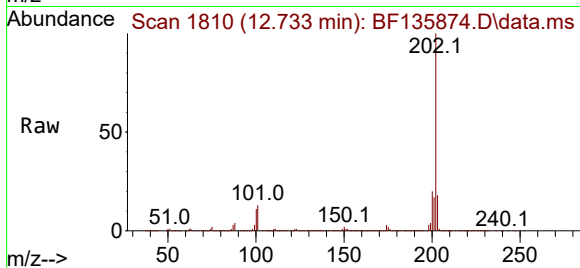
Tgt Ion:202 Resp: 746190

Ion Ratio Lower Upper

202 100

200 20.0 16.1 24.1

203 17.8 14.2 21.2



#79

Terphenyl-d14

Concen: 52.257 ng

RT: 12.869 min Scan# 1833

Delta R.T. -0.012 min

Lab File: BF135874.D

Acq: 19 Oct 2023 05:00

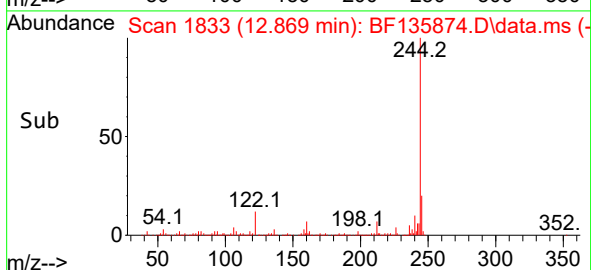
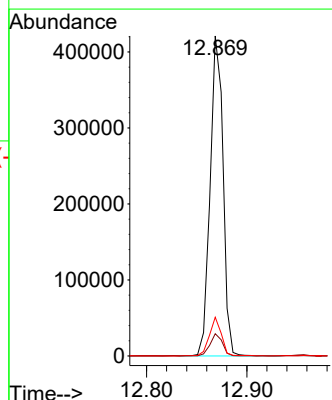
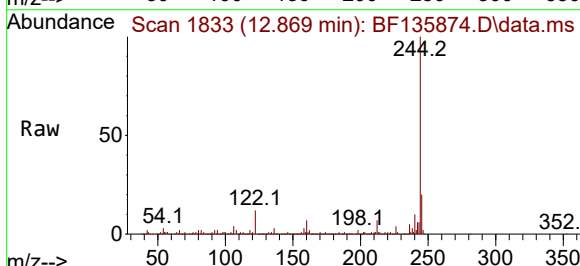
Tgt Ion:244 Resp: 378495

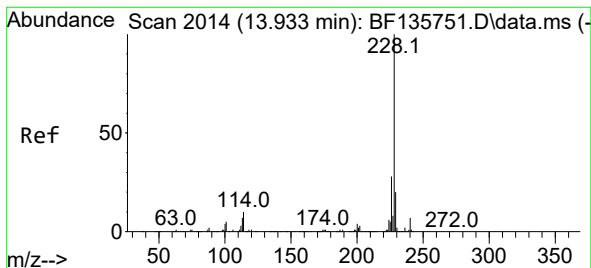
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 12.1 9.0 13.6





#81

Benzo(a)anthracene

Concen: 41.696 ng

RT: 13.933 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF135874.D

Acq: 19 Oct 2023 05:00

Instrument :

BNA_F

ClientSampleId :

WC-3

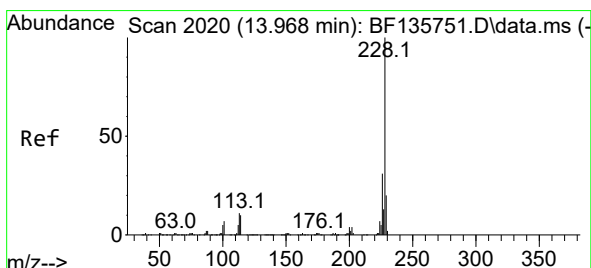
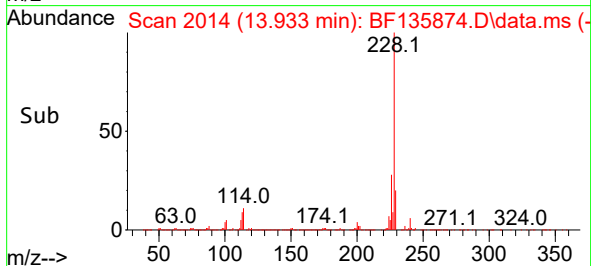
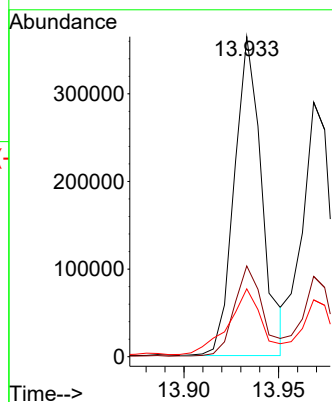
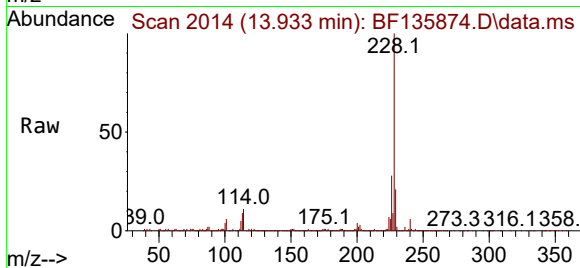
Tgt Ion:228 Resp: 367357

Ion Ratio Lower Upper

228 100

226 28.3 22.2 33.2

229 21.2 16.1 24.1



#83

Chrysene

Concen: 33.917 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF135874.D

Acq: 19 Oct 2023 05:00

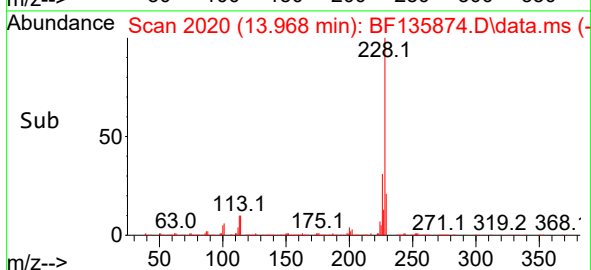
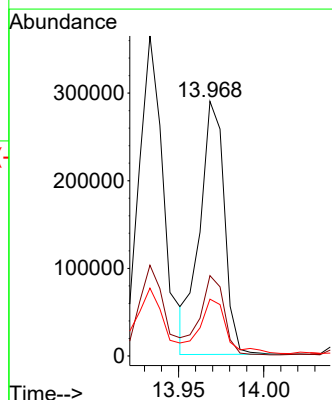
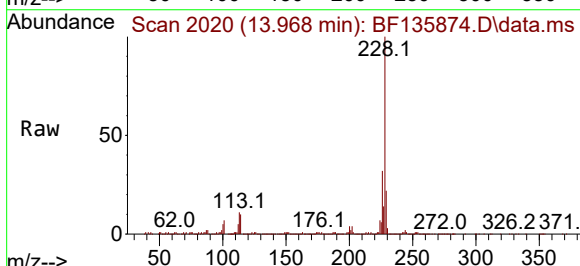
Tgt Ion:228 Resp: 289428

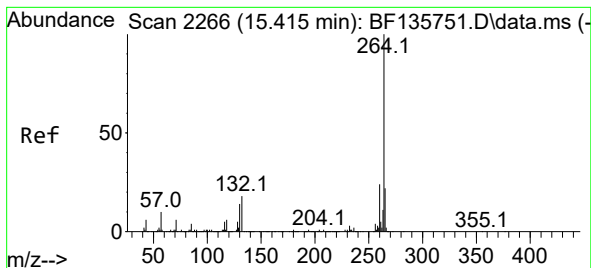
Ion Ratio Lower Upper

228 100

226 31.5 24.4 36.6

229 22.3 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: BF135874.D

Acq: 19 Oct 2023 05:00

Instrument :

BNA_F

ClientSampleId :

WC-3

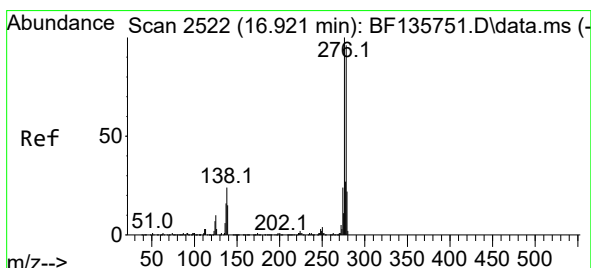
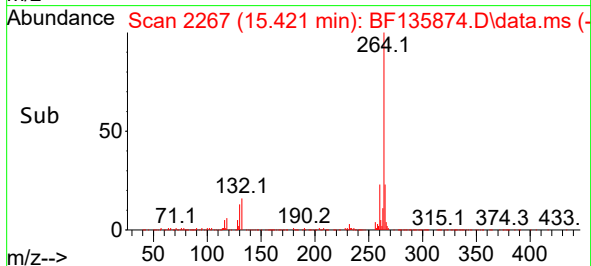
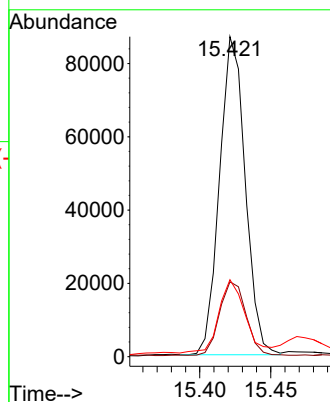
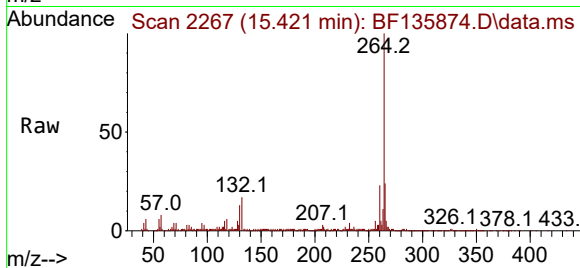
Tgt Ion:264 Resp: 109305

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 24.1 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.660 ng

RT: 16.933 min Scan# 2524

Delta R.T. -0.000 min

Lab File: BF135874.D

Acq: 19 Oct 2023 05:00

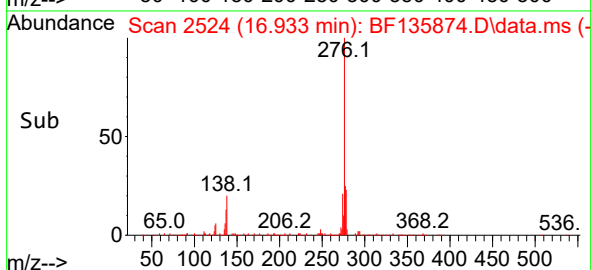
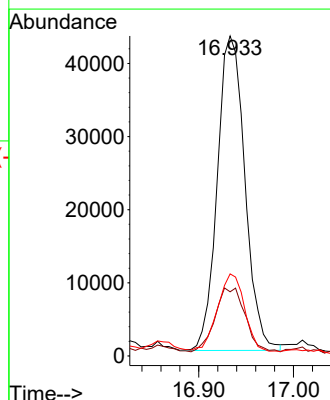
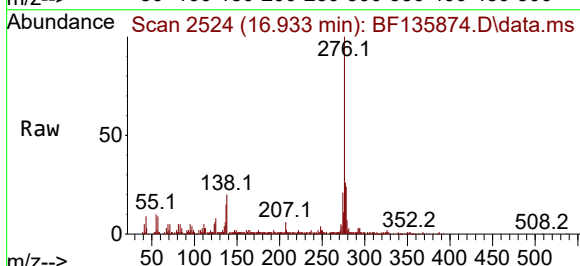
Tgt Ion:276 Resp: 87311

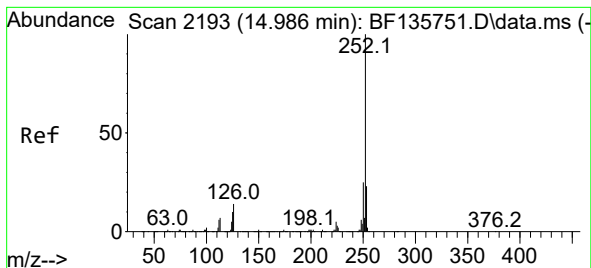
Ion Ratio Lower Upper

276 100

138 22.9 19.8 29.6

277 24.1 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 56.885 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.000 min

Lab File: BF135874.D

Acq: 19 Oct 2023 05:00

Instrument :

BNA_F

ClientSampleId :

WC-3

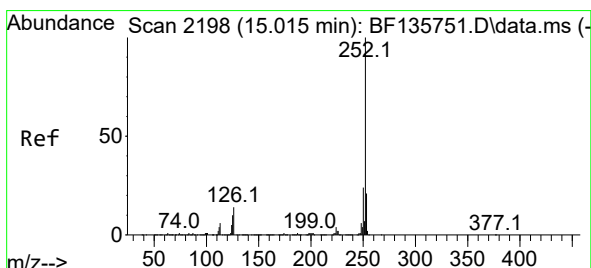
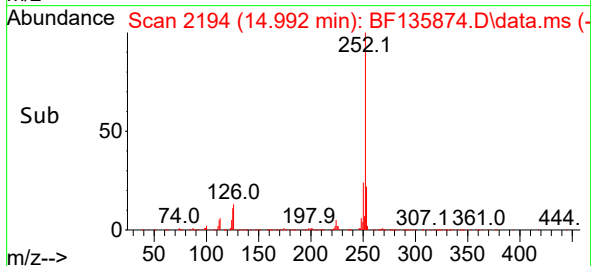
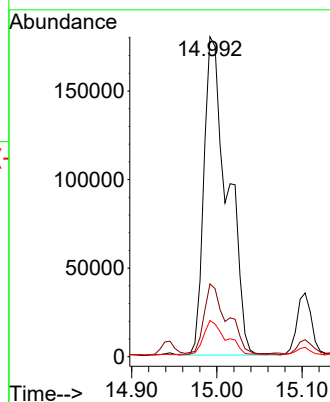
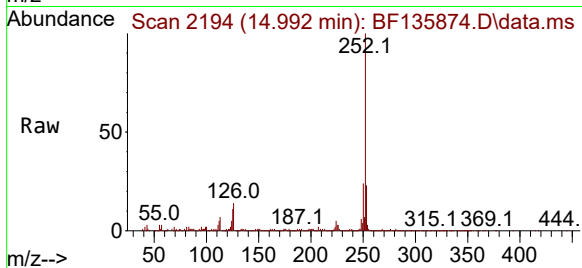
Tgt Ion:252 Resp: 347990

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

125 11.3 8.2 12.2



#89

Benzo(k)fluoranthene

Concen: 58.593 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.030 min

Lab File: BF135874.D

Acq: 19 Oct 2023 05:00

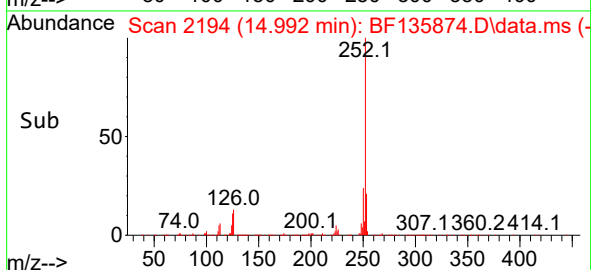
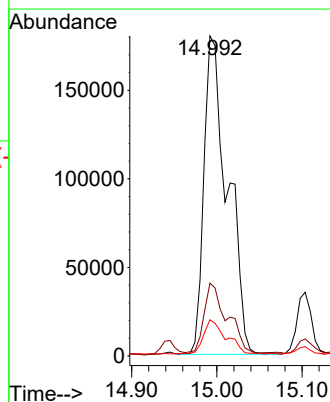
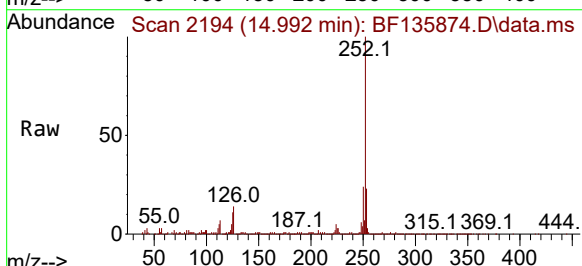
Tgt Ion:252 Resp: 347990

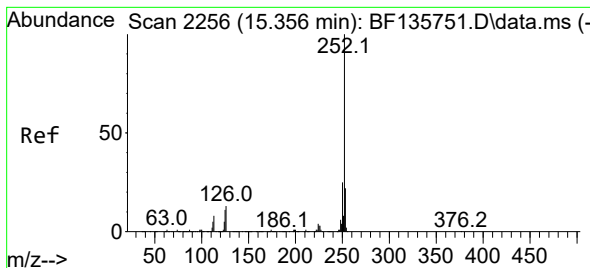
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 11.3 8.3 12.5





#90

Benzo(a)pyrene

Concen: 30.069 ng

RT: 15.362 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135874.D

Acq: 19 Oct 2023 05:00

Instrument :

BNA_F

ClientSampleId :

WC-3

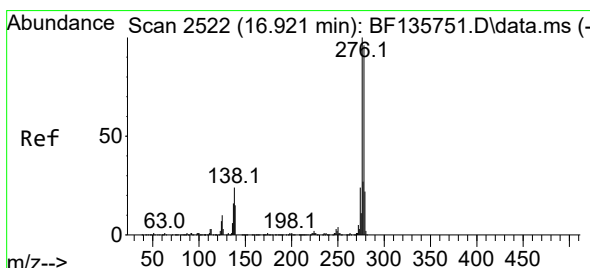
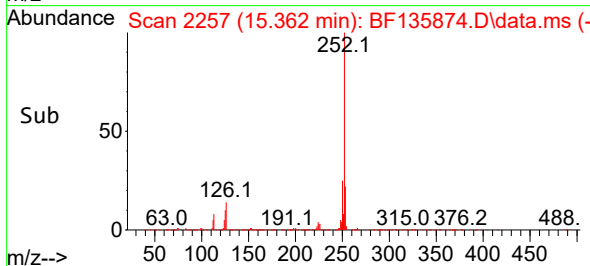
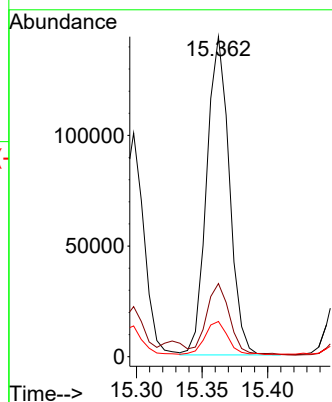
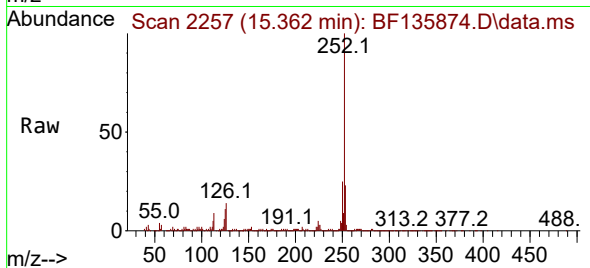
Tgt Ion:252 Resp: 172967

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

125 11.0 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 3.439 ng

RT: 16.727 min Scan# 2489

Delta R.T. -0.212 min

Lab File: BF135874.D

Acq: 19 Oct 2023 05:00

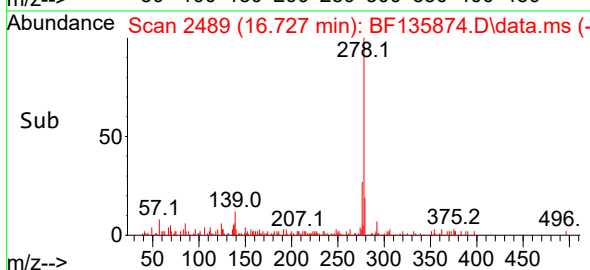
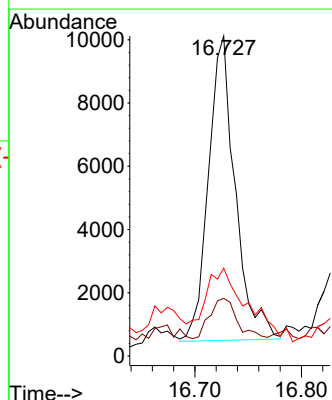
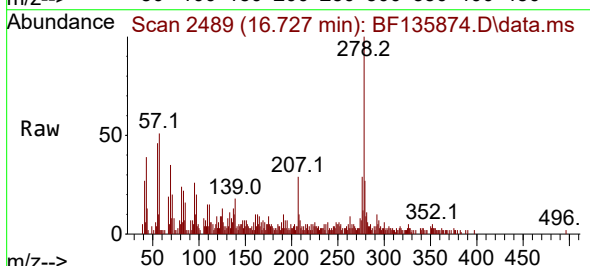
Tgt Ion:278 Resp: 16789

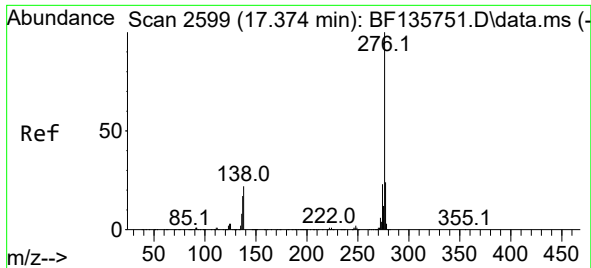
Ion Ratio Lower Upper

278 100

139 18.0 12.5 18.7

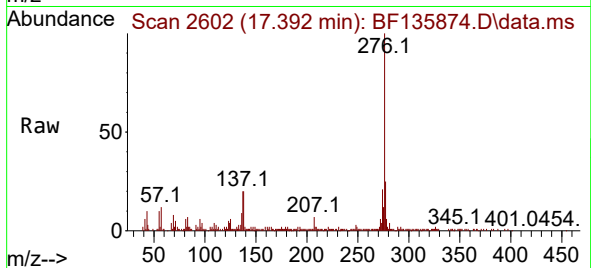
279 27.4 18.6 27.8





#92
Benzo(g,h,i)perylene
Concen: 15.219 ng
RT: 17.392 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Instrument :
BNA_F
ClientSampleId :
WC-3



Tgt Ion:276 Resp: 76328
Ion Ratio Lower Upper
276 100
277 24.7 19.4 29.2
138 20.0 17.3 25.9

