

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
 Data File : BF135897.D
 Acq On : 19 Oct 2023 20:51
 Operator : CG\JU
 Sample : 04704-05DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-104-1(5-10)DL

Quant Time: Oct 20 02:04:59 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)

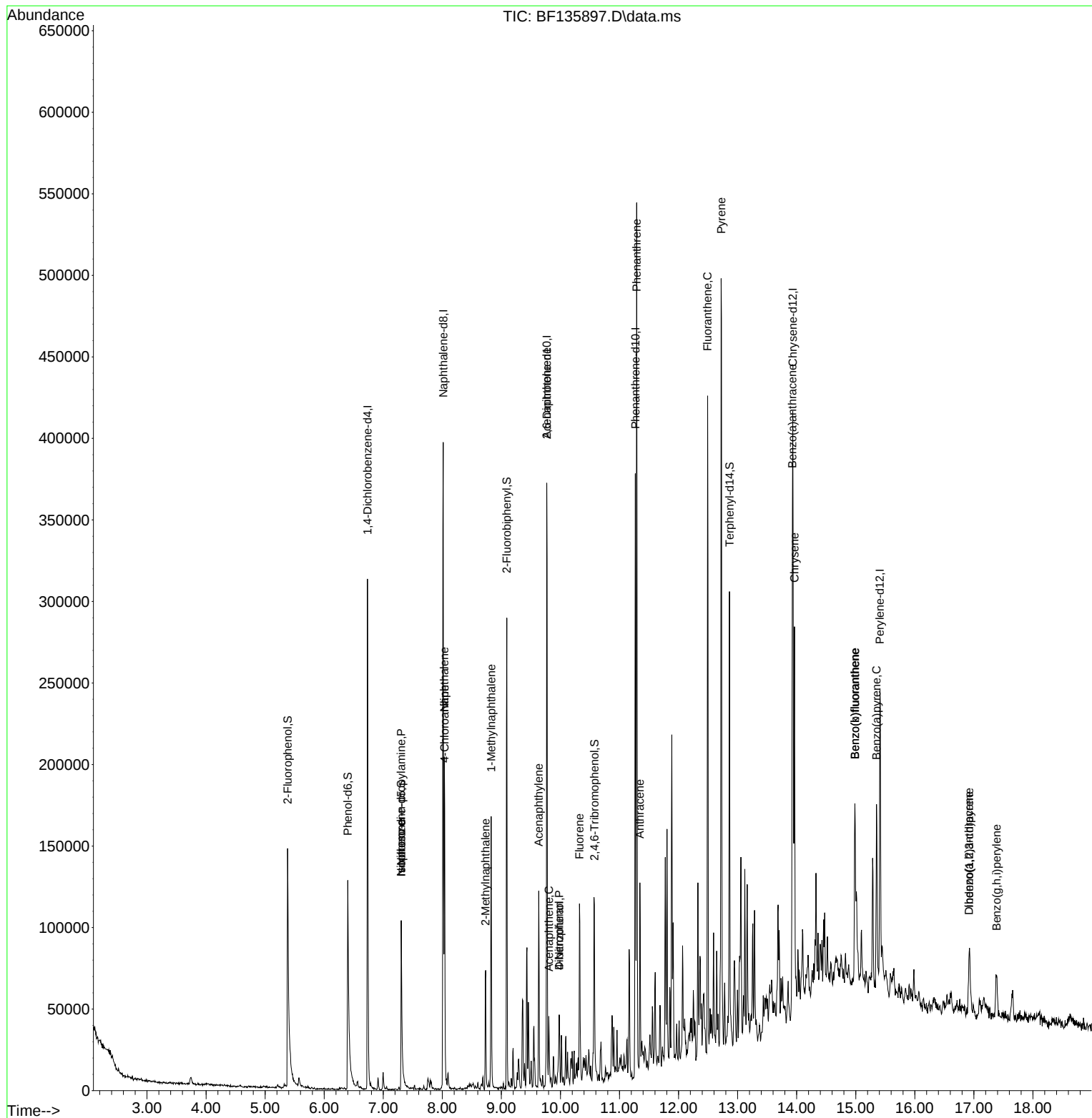
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	45249	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	172714	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	71563	20.000	ng	-0.02
64) Phenanthrene-d10	11.269	188	123462	20.000	ng	#-0.01
76) Chrysene-d12	13.933	240	94248	20.000	ng	-0.02
86) Perylene-d12	15.410	264	84865	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	74770	26.567	ng	0.00
7) Phenol-d6	6.398	99	73865	21.034	ng	0.00
23) Nitrobenzene-d5	7.304	82	43818	13.953	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	13593	19.795	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	84029	18.359	ng	-0.01
79) Terphenyl-d14	12.863	244	80353	15.789	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	5593	2.576	ng	# 67
25) Isophorone	7.304	82	43818	7.396	ng	# 66
31) Naphthalene	8.034	128	88711	10.530	ng	97
33) 4-Chloroaniline	8.039	127	11022	2.995	ng	# 39
37) 2-Methylnaphthalene	8.734	142	20669	3.724	ng	96
38) 1-Methylnaphthalene	8.828	142	40122	7.837	ng	98
49) Acenaphthylene	9.633	152	40143	6.140	ng	97
51) 2,6-Dinitrotoluene	9.769	165	10309	9.923	ng	# 17
52) Acenaphthene	9.804	154	8581	2.190	ng	91
55) Dibenzofuran	9.981	168	12552	2.123	ng	# 93
56) 4-Nitrophenol	9.981	139	4687	12.973	ng	# 7
58) Fluorene	10.322	166	31231	6.747	ng	98
71) Phenanthrene	11.292	178	183894	31.093	ng	99
72) Anthracene	11.345	178	46659	7.613	ng	97
75) Fluoranthene	12.492	202	151283	23.047	ng	98
78) Pyrene	12.722	202	204432	27.296	ng	99
81) Benzo(a)anthracene	13.927	228	80735	13.042	ng	98
83) Chrysene	13.963	228	84641	14.116	ng	99
87) Indeno(1,2,3-cd)pyrene	16.921	276	25026	5.412	ng	# 92
88) Benzo(b)fluoranthene	14.986	252	81999	17.264	ng	98
89) Benzo(k)fluoranthene	14.986	252	81999	17.783	ng	97
90) Benzo(a)pyrene	15.351	252	55782	12.490	ng	96
91) Dibenzo(a,h)anthracene	16.915	278	7840	2.068	ng	# 72
92) Benzo(g,h,i)perylene	17.386	276	25516	6.553	ng	# 92

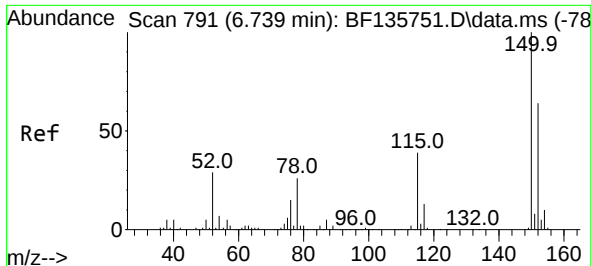
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 17 01:22:00 2023
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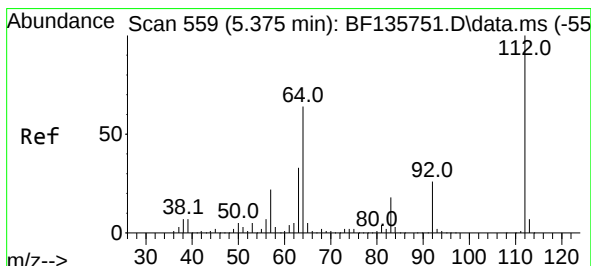
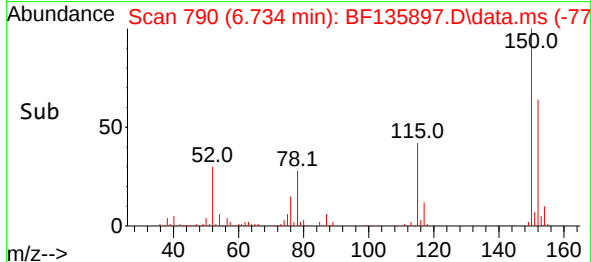
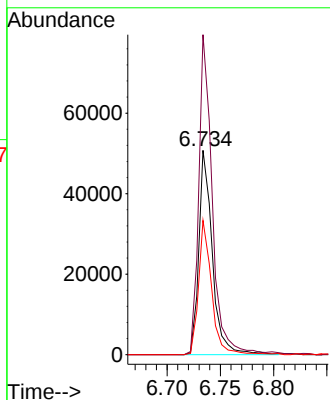
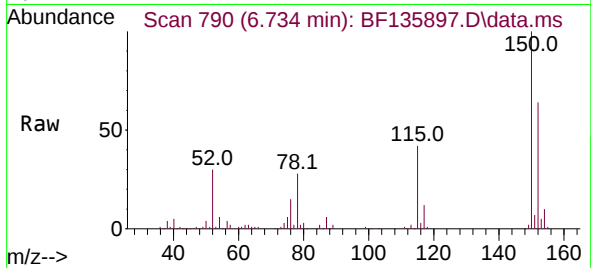




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.734 min Scan# 791
 Delta R.T. -0.012 min
 Lab File: BF135897.D
 Acq: 19 Oct 2023 20:51

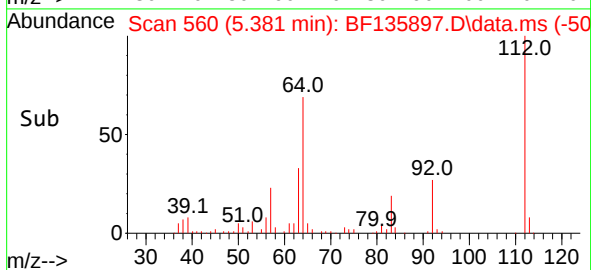
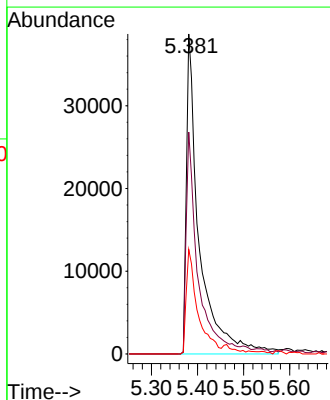
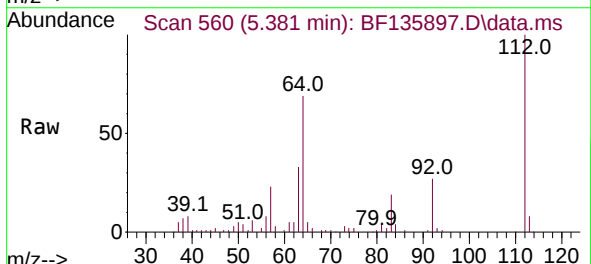
Instrument :
 BNA_F
 ClientSampleId :
 SB-104-1(5-10)DL

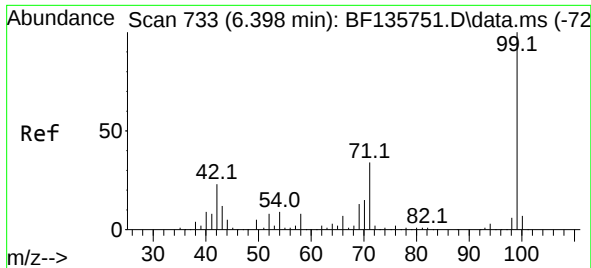
Tgt Ion:152 Resp: 45249
 Ion Ratio Lower Upper
 152 100
 150 156.6 124.5 186.7
 115 65.7 49.0 73.4



#5
 2-Fluorophenol
 Concen: 26.567 ng
 RT: 5.381 min Scan# 560
 Delta R.T. 0.006 min
 Lab File: BF135897.D
 Acq: 19 Oct 2023 20:51

Tgt Ion:112 Resp: 74770
 Ion Ratio Lower Upper
 112 100
 64 69.4 51.2 76.8
 63 32.6 26.1 39.1

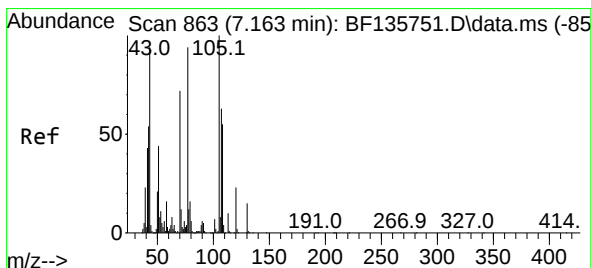
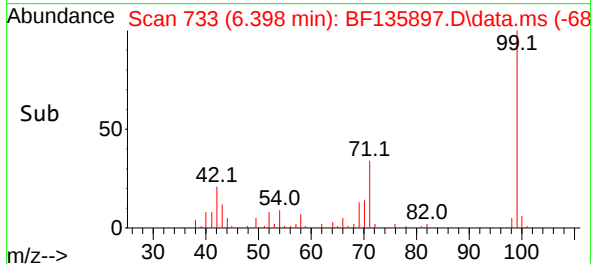
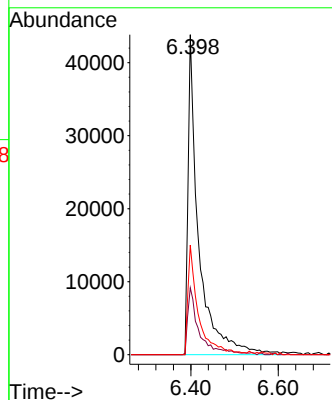
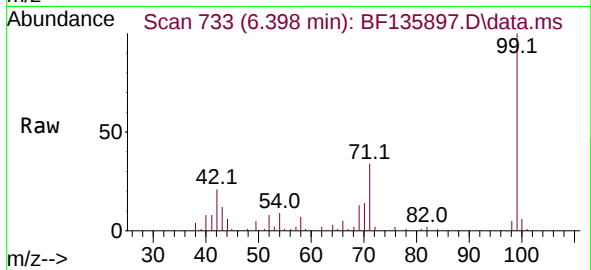




#7
Phenol-d6
Concen: 21.034 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

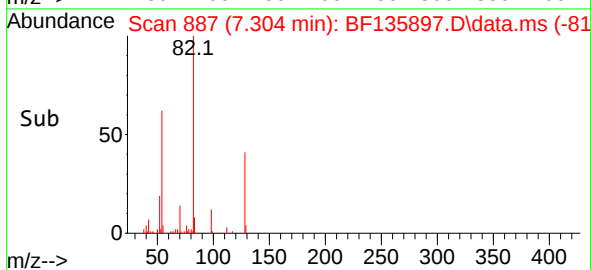
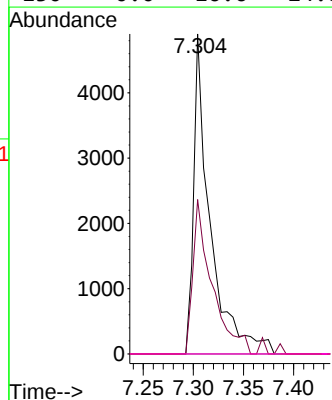
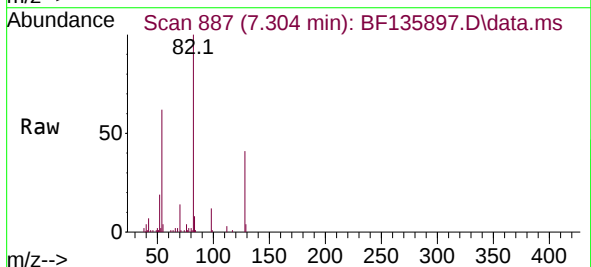
Instrument :
BNA_F
ClientSampleId :
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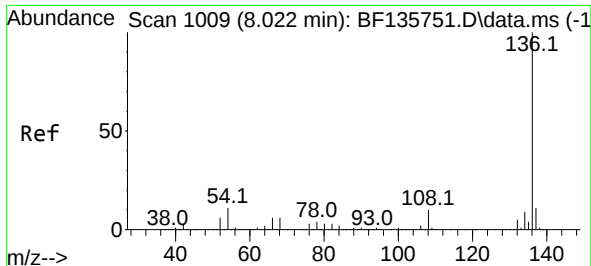
Tgt Ion: 99 Resp: 73865
Ion Ratio Lower Upper
99 100
42 20.9 18.4 27.6
71 34.2 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.576 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

Tgt Ion: 70 Resp: 5593
Ion Ratio Lower Upper
70 100
42 48.2 59.8 89.6#
101 0.0 7.4 11.2#
130 0.0 16.6 24.8#

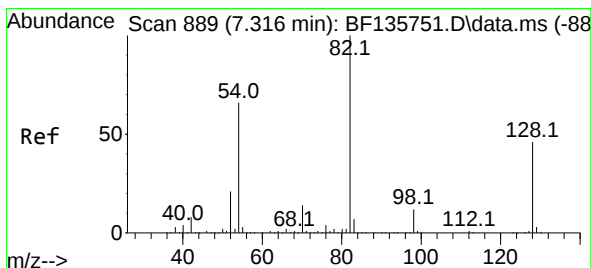
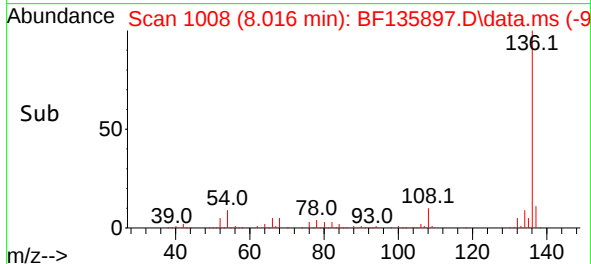
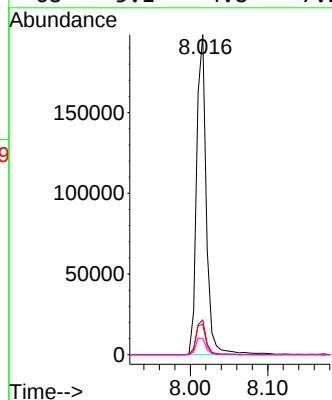
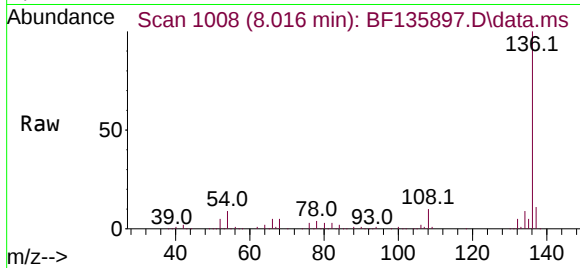




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

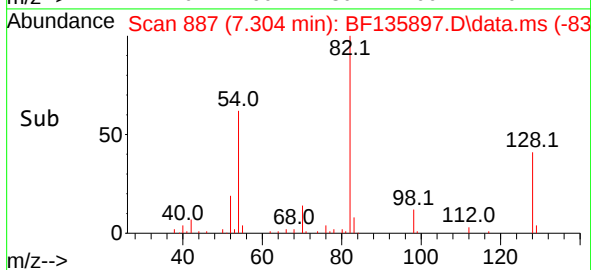
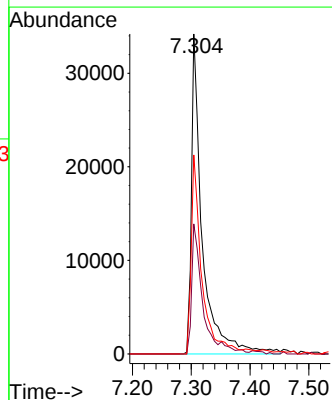
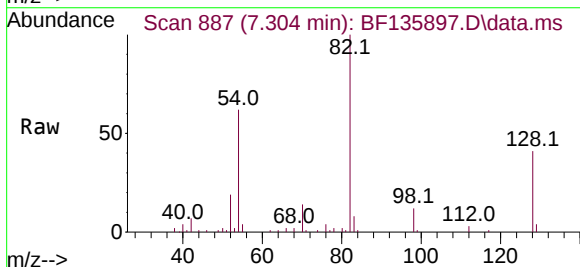
Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)DL

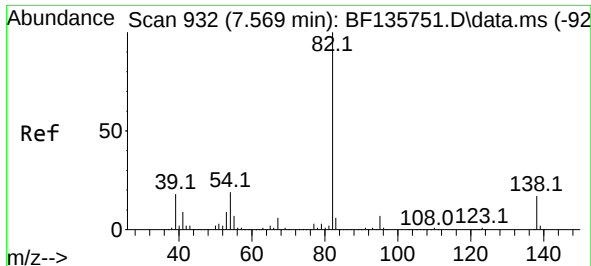
Tgt	Ion:136	Resp:	172714
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.5	8.5	12.7
68	5.1	4.8	7.2



#23
Nitrobenzene-d5
Concen: 13.953 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

Tgt Ion: 82	Resp: 43818
Ion Ratio	Lower Upper
82 100	
128 40.6	37.0 55.6
54 62.2	52.8 79.2

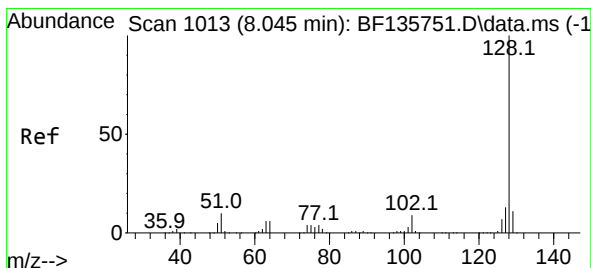
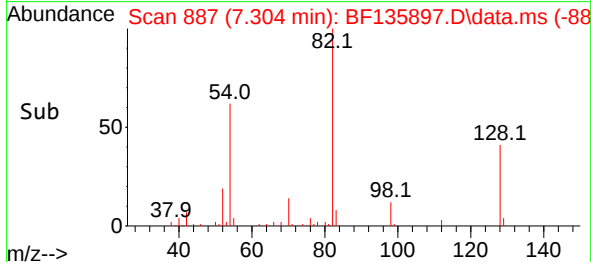
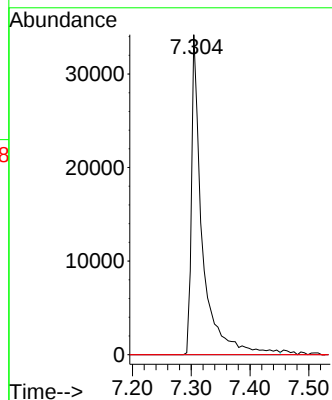
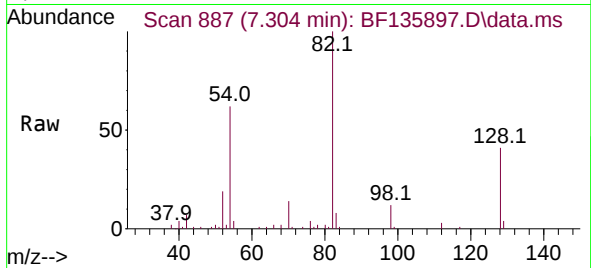




#25
Isophorone
Concen: 7.396 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

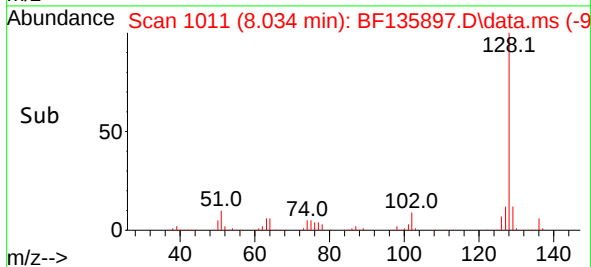
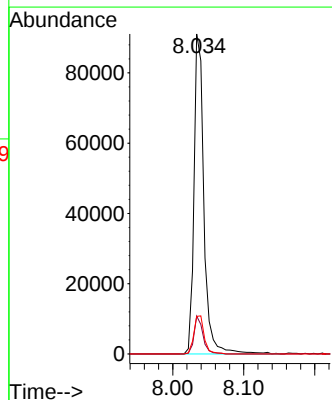
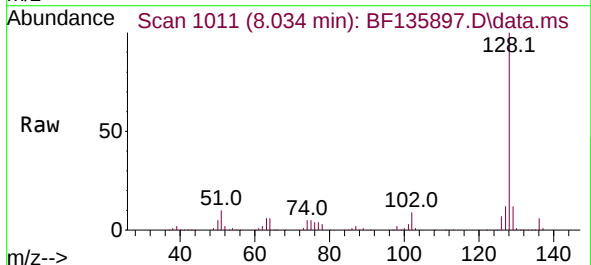
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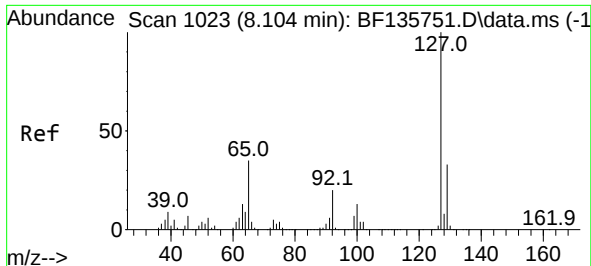
Tgt Ion: 82 Resp: 43818
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#31
Naphthalene
Concen: 10.530 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

Tgt Ion: 128 Resp: 88711
Ion Ratio Lower Upper
128 100
129 11.9 8.7 13.1
127 11.8 10.2 15.4

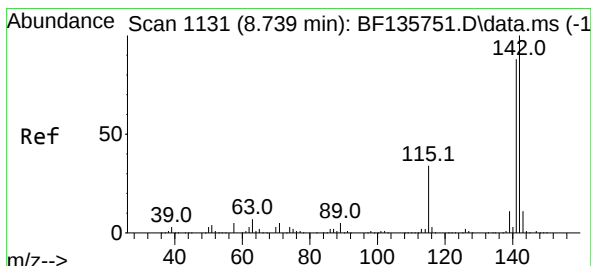
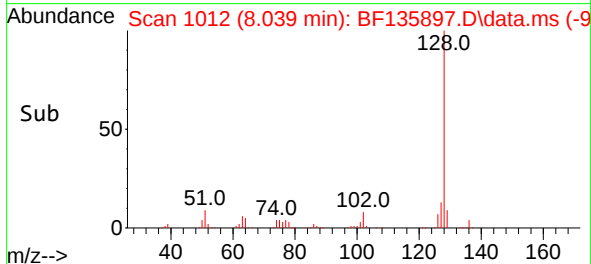
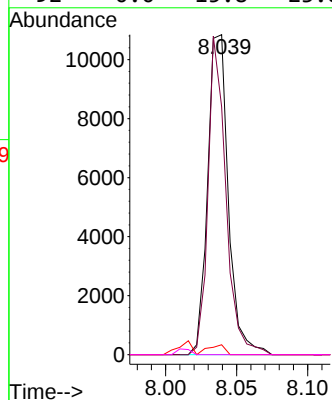
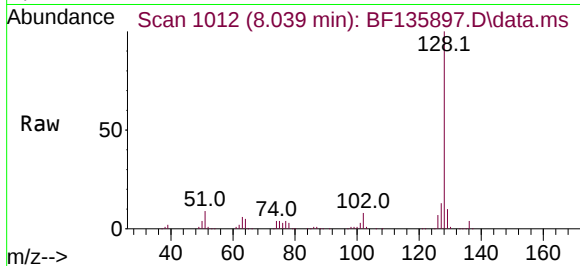




#33
4-Chloroaniline
Concen: 2.995 ng
RT: 8.039 min Scan# 11022
Delta R.T. -0.065 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

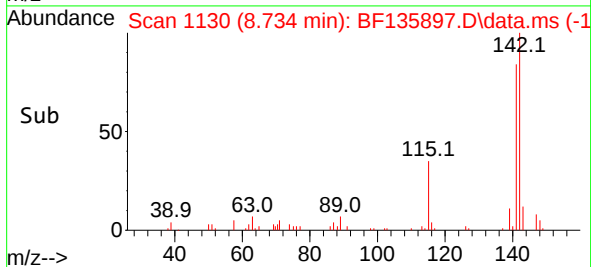
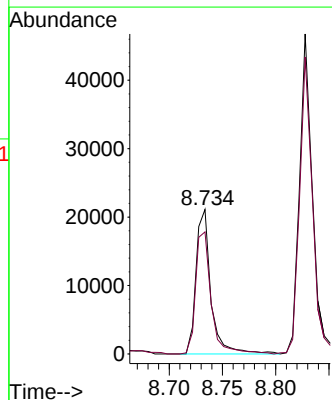
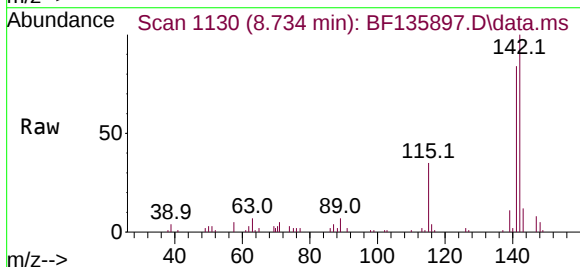
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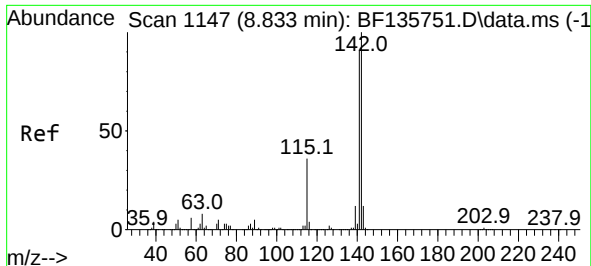
Tgt Ion:127	Resp:	11022
Ion Ratio	Lower	Upper
127	100	
129	77.5	26.5 39.7#
65	3.1	27.9 41.9#
92	0.0	15.8 23.8#



#37
2-Methylnaphthalene
Concen: 3.724 ng
RT: 8.734 min Scan# 1130
Delta R.T. -0.006 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

Tgt Ion:142	Resp:	20669
Ion Ratio	Lower	Upper
142	100	
141	84.5	70.6 105.8

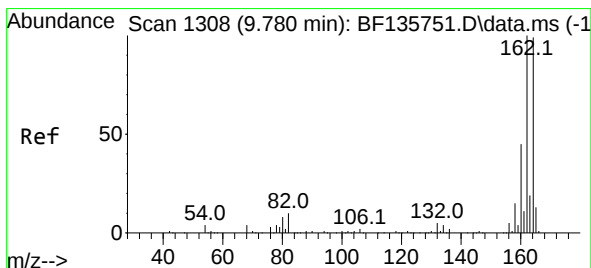
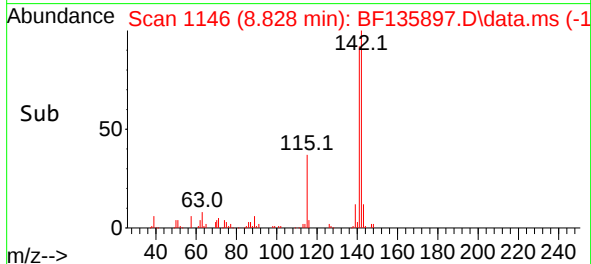
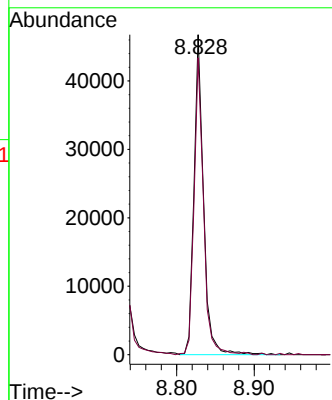
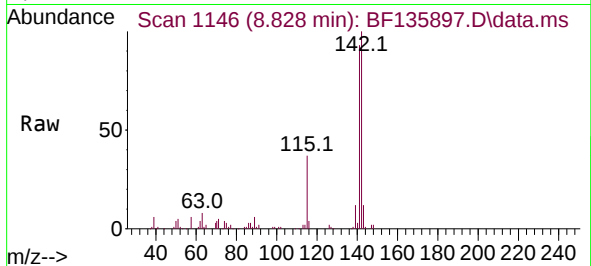




#38
1-Methylnaphthalene
Concen: 7.837 ng
RT: 8.828 min Scan# 1146
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

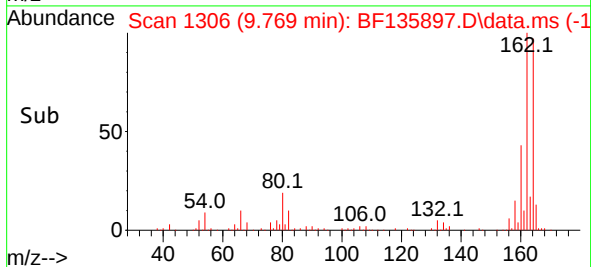
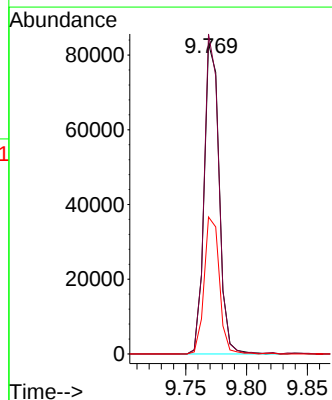
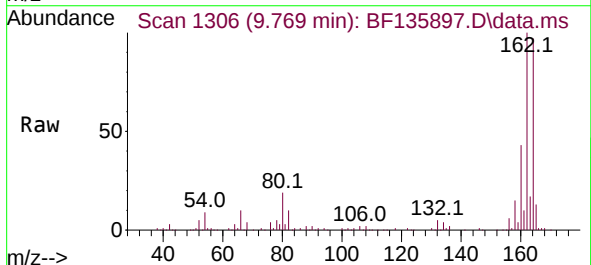
Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)DL

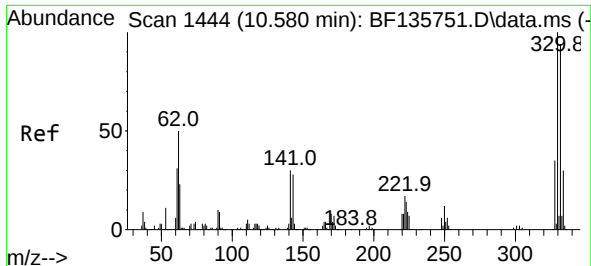
Tgt Ion:142 Resp: 40122
Ion Ratio Lower Upper
142 100
141 92.8 72.7 109.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.018 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

Tgt Ion:164 Resp: 71563
Ion Ratio Lower Upper
164 100
162 103.0 80.8 121.2
160 44.1 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 19.795 ng

RT: 10.575 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF135897.D

Acq: 19 Oct 2023 20:51

Instrument :

BNA_F

ClientSampleId :

SB-104-1(5-10)DL

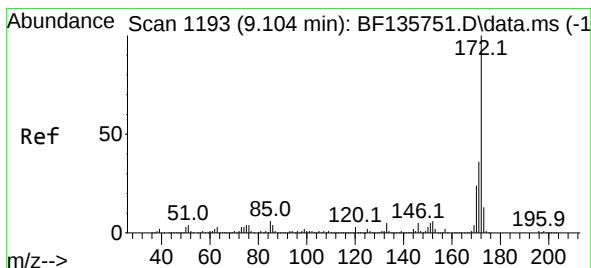
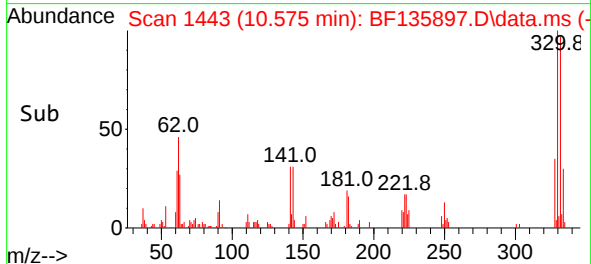
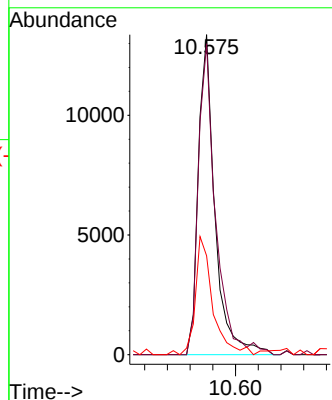
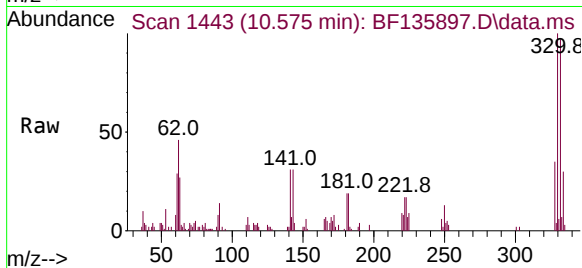
Tgt Ion:330 Resp: 13593

Ion Ratio Lower Upper

330 100

332 101.5 75.0 112.4

141 38.4 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 18.359 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135897.D

Acq: 19 Oct 2023 20:51

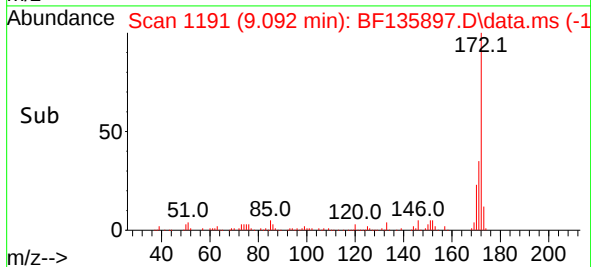
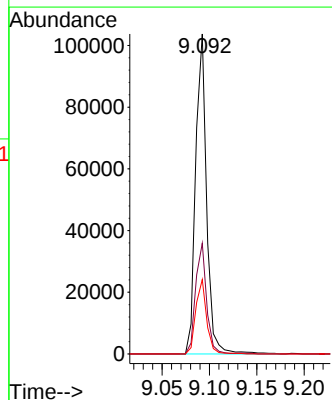
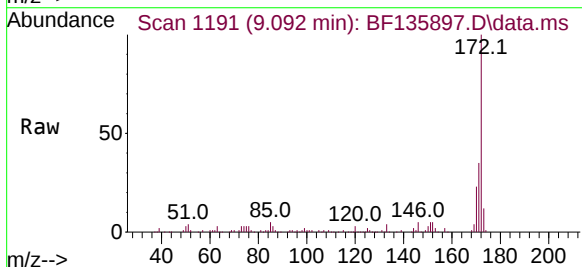
Tgt Ion:172 Resp: 84029

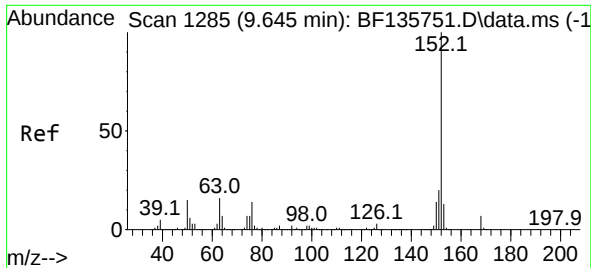
Ion Ratio Lower Upper

172 100

171 34.6 28.4 42.6

170 23.2 18.8 28.2





#49

Acenaphthylene

Concen: 6.140 ng

RT: 9.633 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135897.D

Acq: 19 Oct 2023 20:51

Instrument :

BNA_F

ClientSampleId :

SB-104-1(5-10)DL

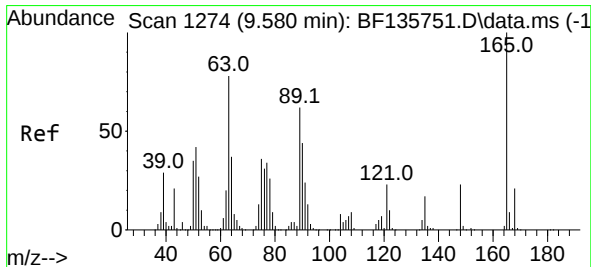
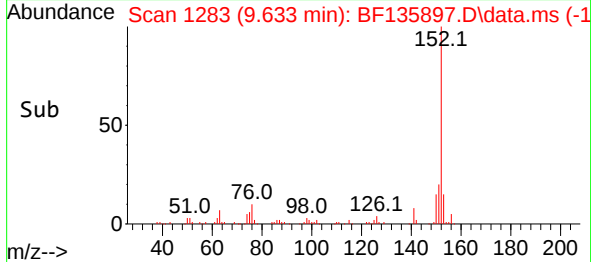
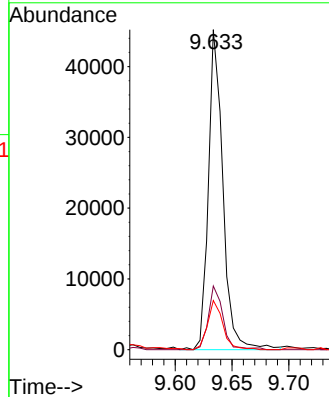
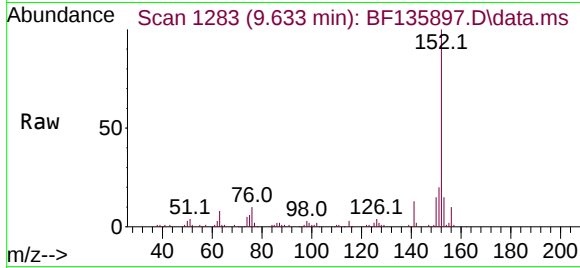
Tgt Ion:152 Resp: 40143

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.2

153 15.3 10.2 15.4



#51

2,6-Dinitrotoluene

Concen: 9.923 ng

RT: 9.769 min Scan# 1306

Delta R.T. 0.182 min

Lab File: BF135897.D

Acq: 19 Oct 2023 20:51

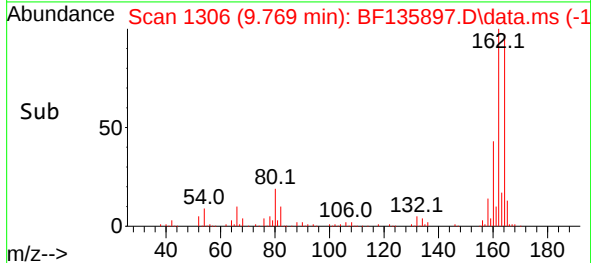
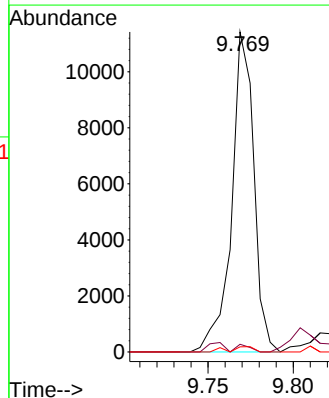
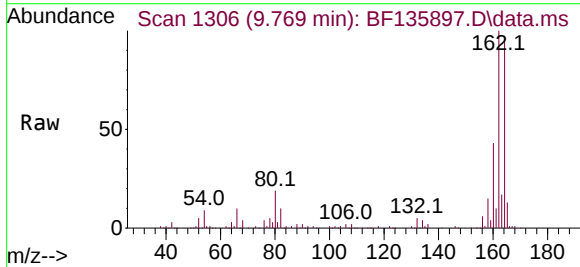
Tgt Ion:165 Resp: 10309

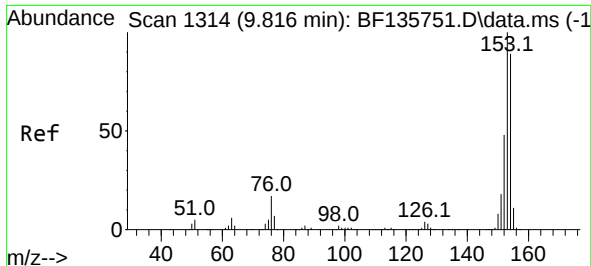
Ion Ratio Lower Upper

165 100

63 2.4 62.2 93.4#

89 1.6 49.6 74.4#

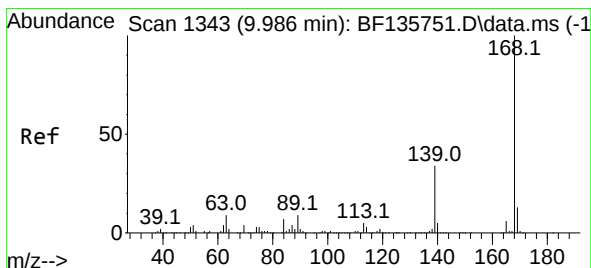
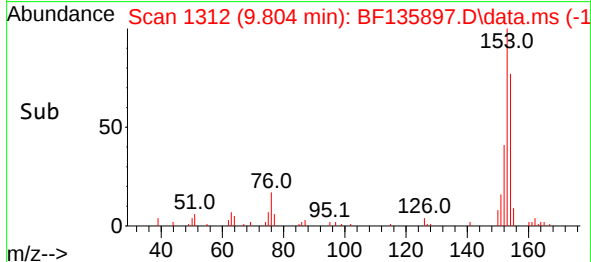
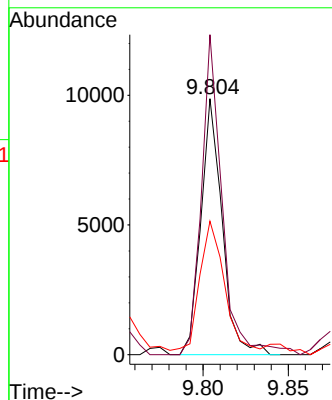
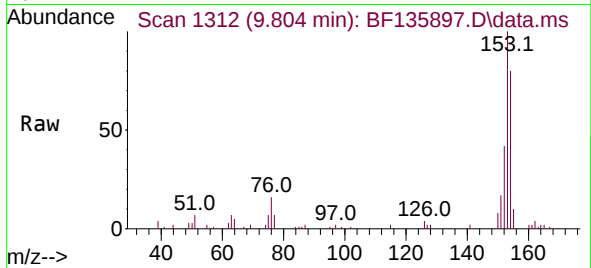




#52
Acenaphthene
Concen: 2.190 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

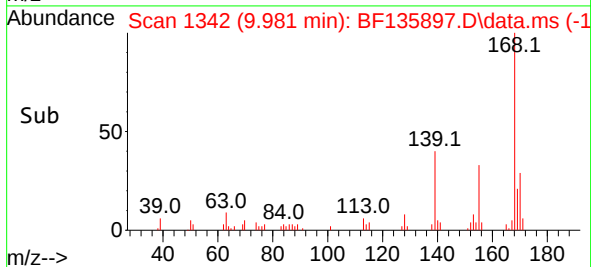
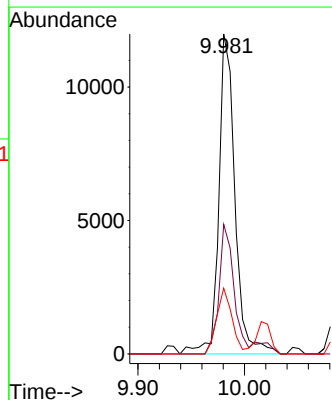
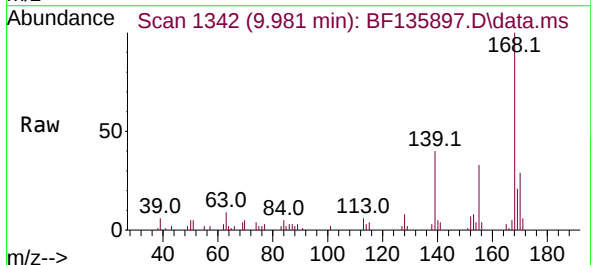
Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)DL

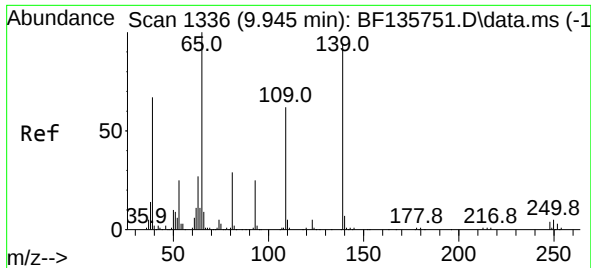
Tgt Ion:154 Resp: 8581
Ion Ratio Lower Upper
154 100
153 125.0 90.1 135.1
152 52.1 43.1 64.7



#55
Dibenzofuran
Concen: 2.123 ng
RT: 9.981 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

Tgt Ion:168 Resp: 12552
Ion Ratio Lower Upper
168 100
139 40.5 31.0 46.4
169 20.5 10.7 16.1#

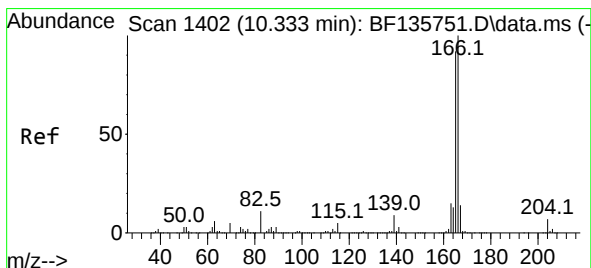
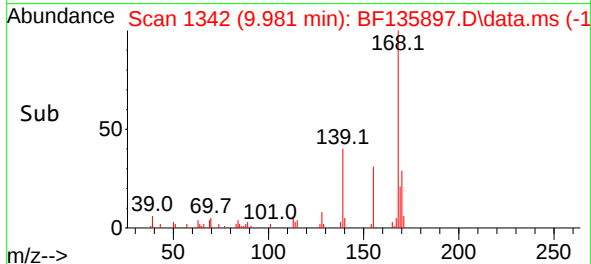
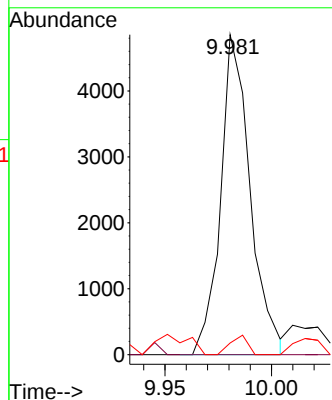
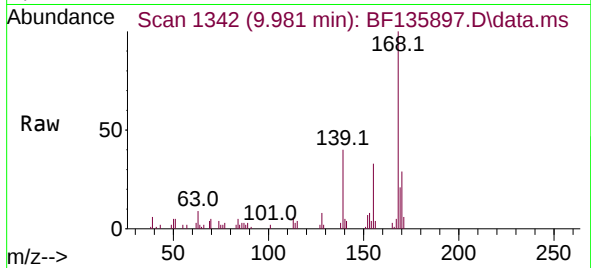




#56
4-Nitrophenol
Concen: 12.973 ng
RT: 9.981 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

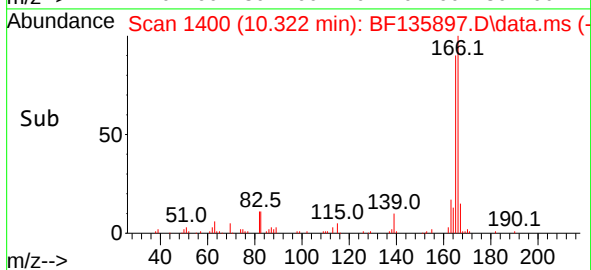
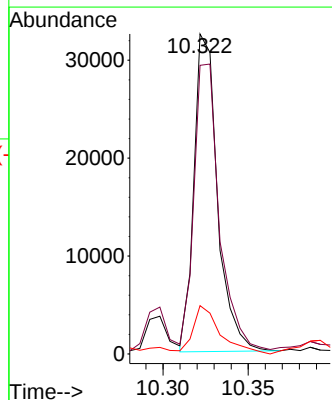
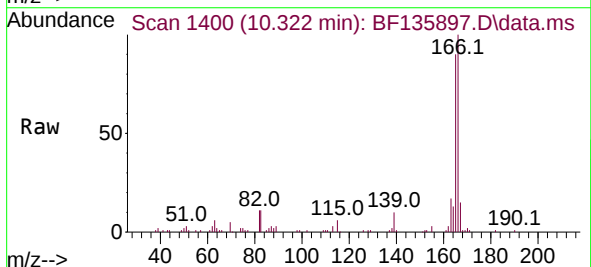
Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)DL

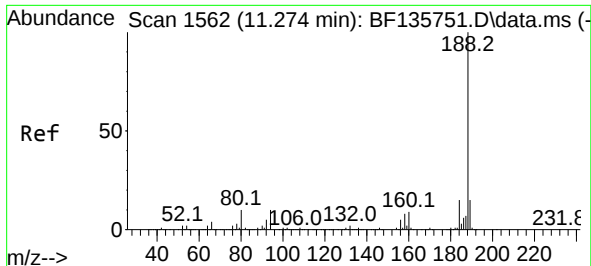
Tgt Ion:139 Resp: 4687
Ion Ratio Lower Upper
139 100
109 0.0 45.6 85.6#
65 3.6 87.5 127.5#



#58
Fluorene
Concen: 6.747 ng
RT: 10.322 min Scan# 1400
Delta R.T. -0.018 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

Tgt Ion:166 Resp: 31231
Ion Ratio Lower Upper
166 100
165 90.2 73.4 110.0
167 15.1 11.0 16.6

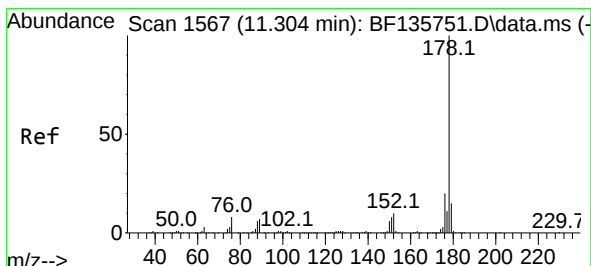
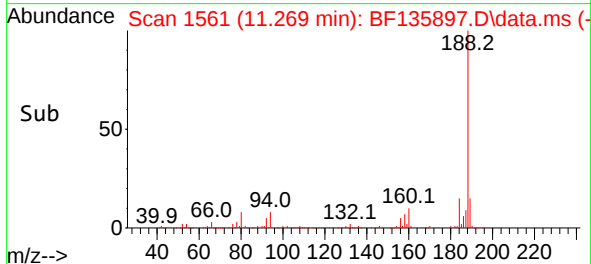
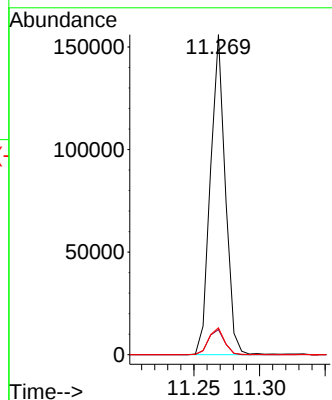
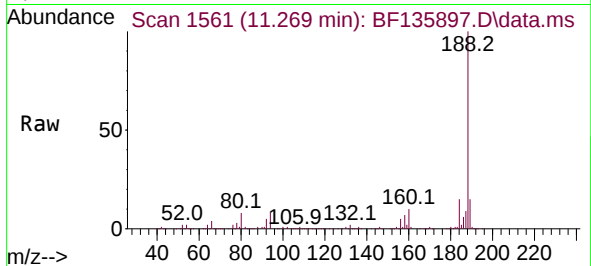




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

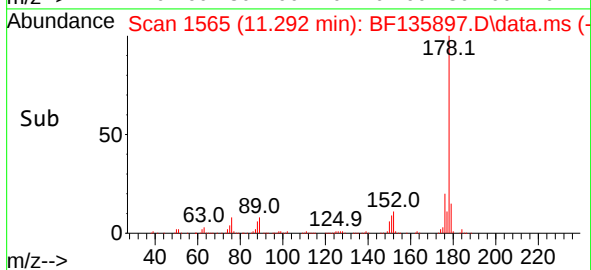
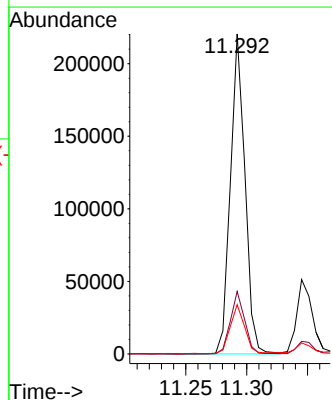
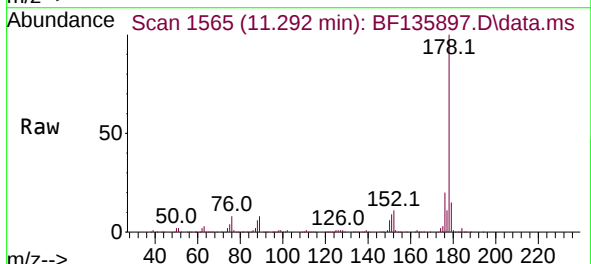
Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)DL

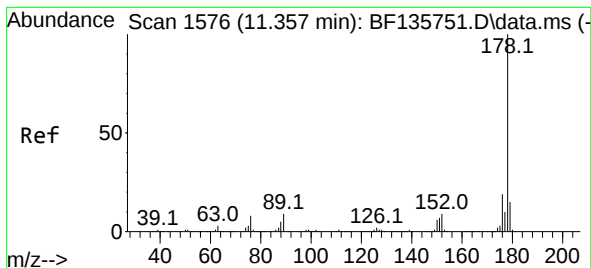
Tgt Ion:188 Resp: 123462
Ion Ratio Lower Upper
188 100
94 7.9 8.0 12.0#
80 8.4 8.3 12.5



#71
Phenanthrene
Concen: 31.093 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

Tgt Ion:178 Resp: 183894
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.4 12.2 18.4





#72

Anthracene

Concen: 7.613 ng

RT: 11.345 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135897.D

Acq: 19 Oct 2023 20:51

Instrument :

BNA_F

ClientSampleId :

SB-104-1(5-10)DL

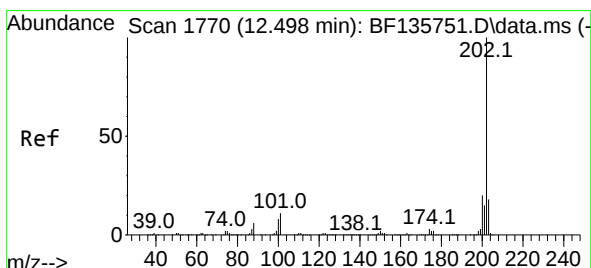
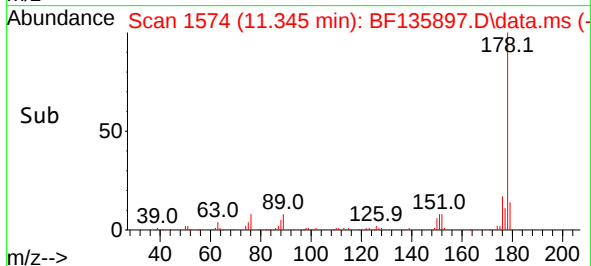
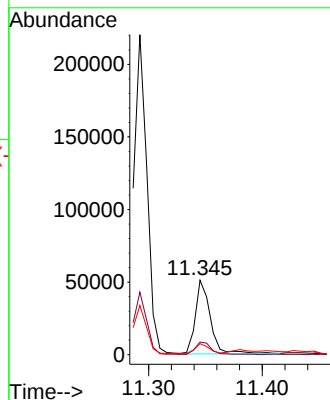
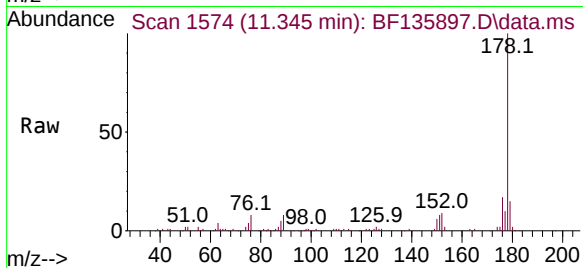
Tgt Ion:178 Resp: 46659

Ion Ratio Lower Upper

178 100

176 17.0 15.1 22.7

179 14.8 12.3 18.5



#75

Fluoranthene

Concen: 23.047 ng

RT: 12.492 min Scan# 1769

Delta R.T. -0.012 min

Lab File: BF135897.D

Acq: 19 Oct 2023 20:51

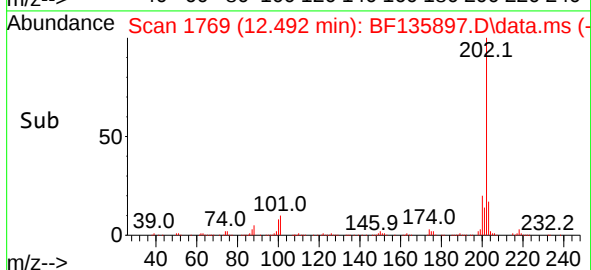
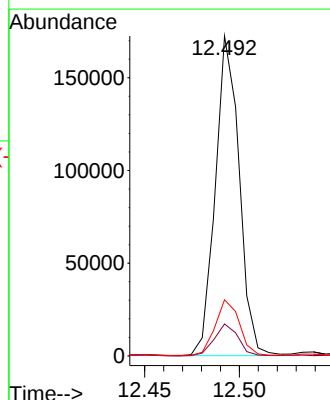
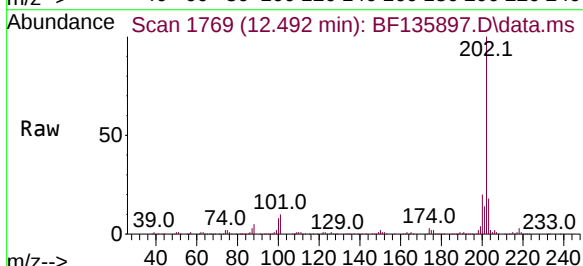
Tgt Ion:202 Resp: 151283

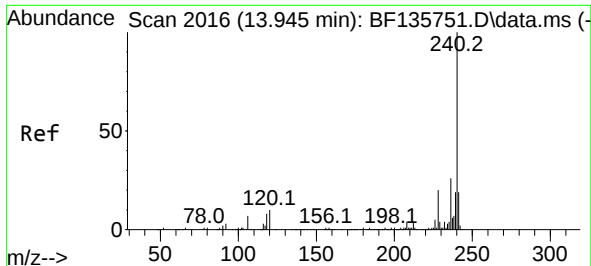
Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.5

203 17.6 0.0 38.3

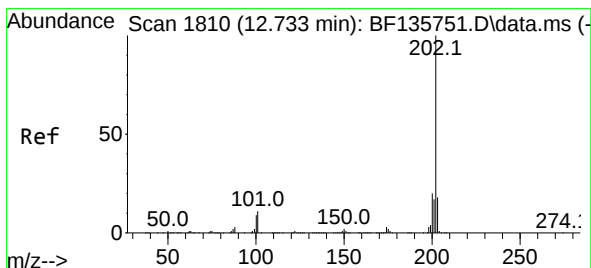
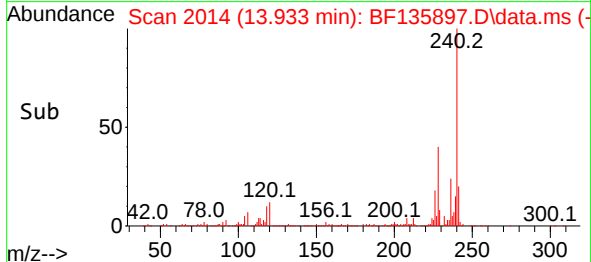
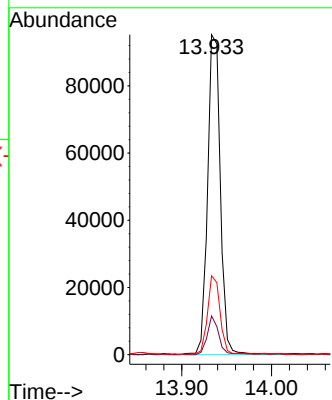
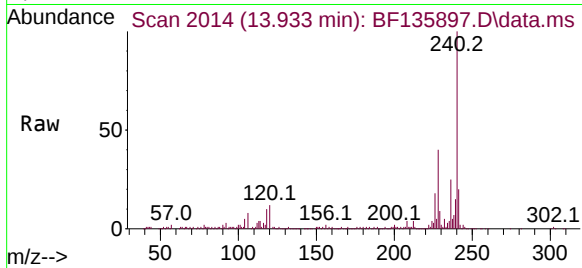




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

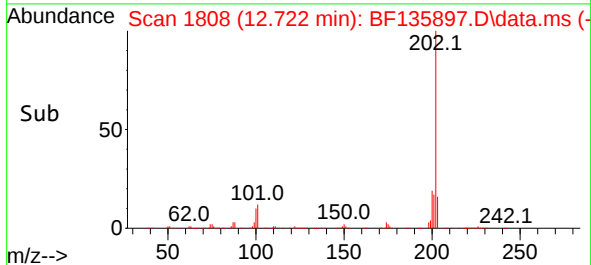
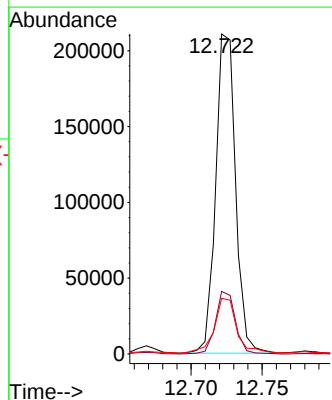
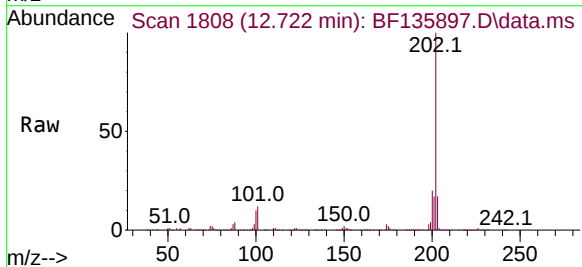
Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)DL

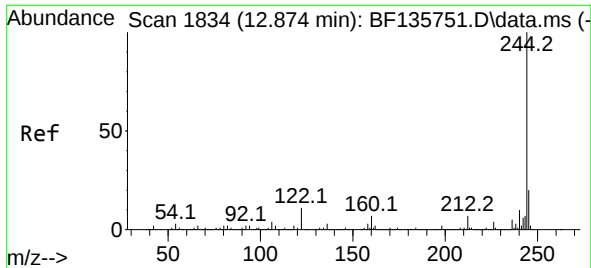
Tgt Ion:240 Resp: 94248
Ion Ratio Lower Upper
240 100
120 12.1 8.2 12.2
236 24.7 21.2 31.8



#78
Pyrene
Concen: 27.296 ng
RT: 12.722 min Scan# 1808
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

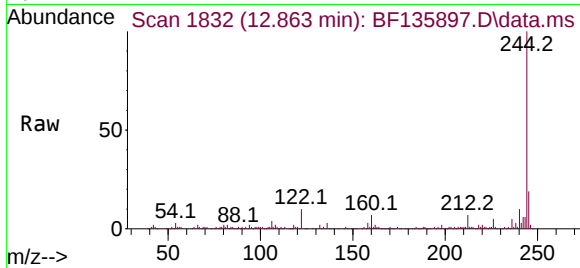
Tgt Ion:202 Resp: 204432
Ion Ratio Lower Upper
202 100
200 19.5 16.1 24.1
203 17.4 14.2 21.2



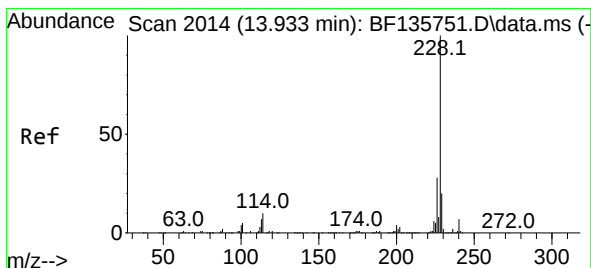
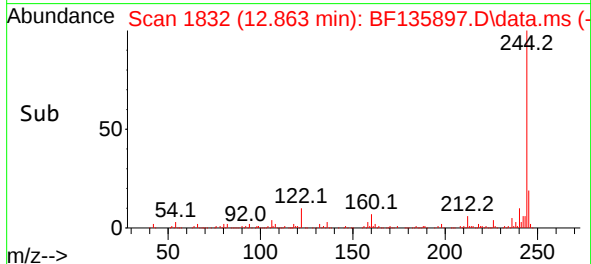
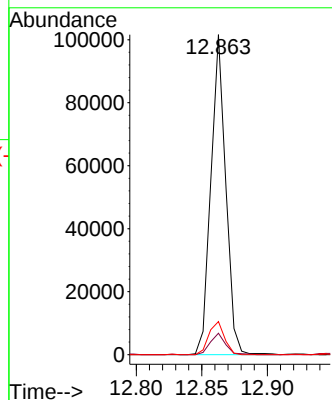


#79
 Terphenyl-d14
 Concen: 15.789 ng
 RT: 12.863 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF135897.D
 Acq: 19 Oct 2023 20:51

Instrument :
 BNA_F
 ClientSampleId :
 SB-104-1(5-10)DL

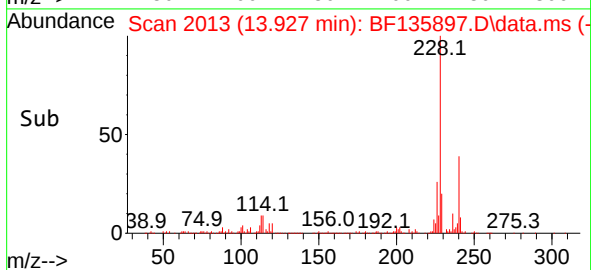
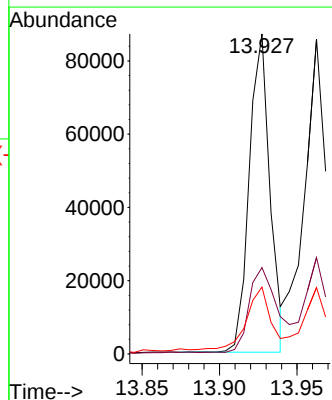
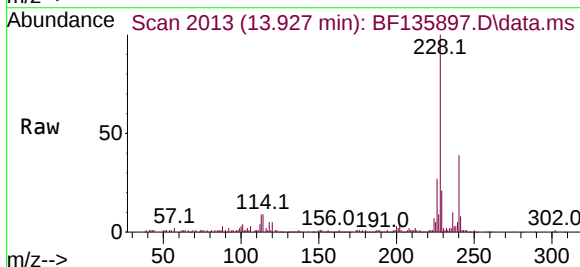


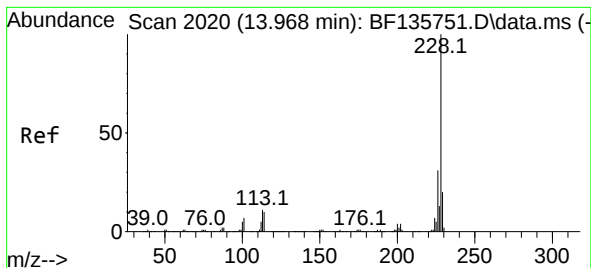
Tgt Ion:244 Resp: 80353
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.4 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 13.042 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF135897.D
 Acq: 19 Oct 2023 20:51

Tgt Ion:228 Resp: 80735
 Ion Ratio Lower Upper
 228 100
 226 27.0 22.2 33.2
 229 20.9 16.1 24.1





#83

Chrysene

Concen: 14.116 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135897.D

Acq: 19 Oct 2023 20:51

Instrument :

BNA_F

ClientSampleId :

SB-104-1(5-10)DL

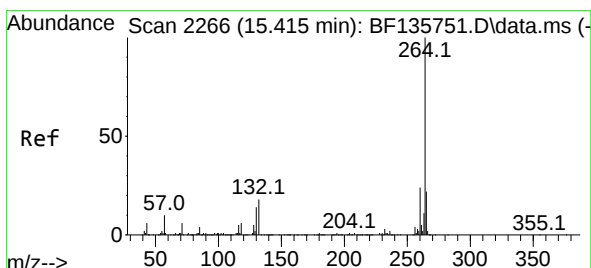
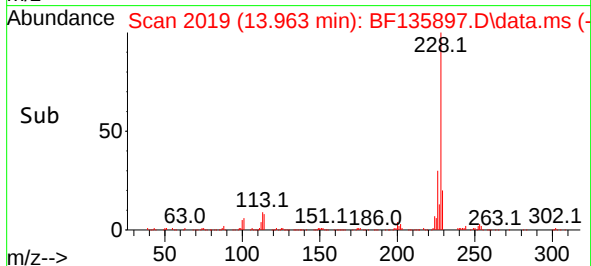
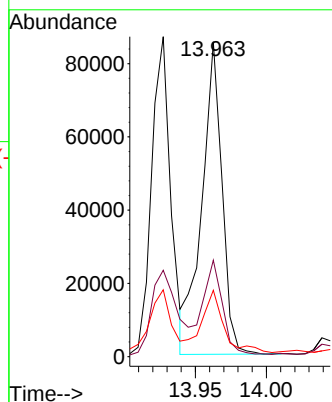
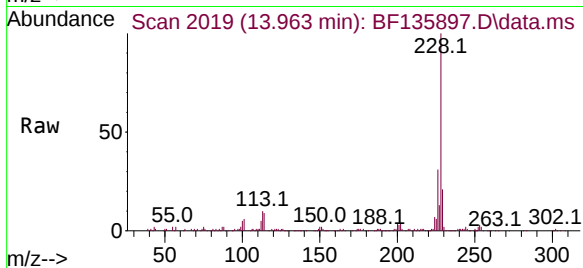
Tgt Ion:228 Resp: 84641

Ion Ratio Lower Upper

228 100

226 30.7 24.4 36.6

229 21.1 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2265

Delta R.T. -0.012 min

Lab File: BF135897.D

Acq: 19 Oct 2023 20:51

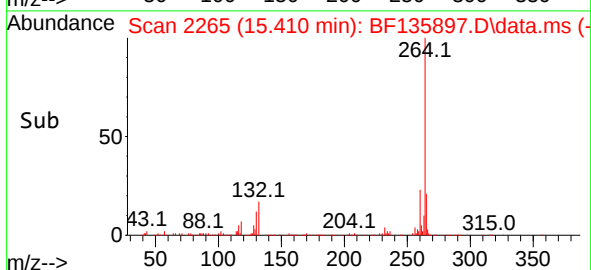
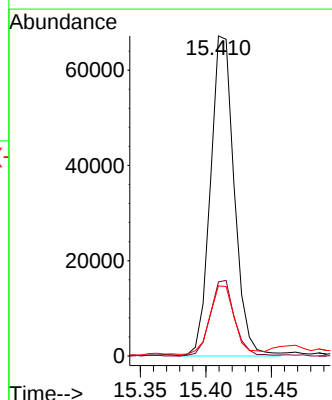
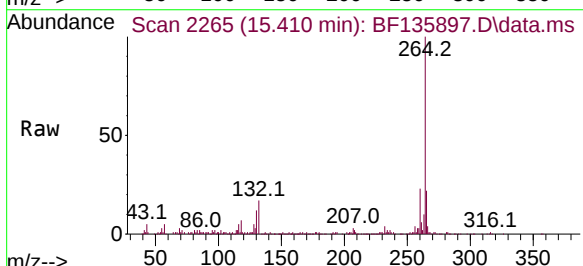
Tgt Ion:264 Resp: 84865

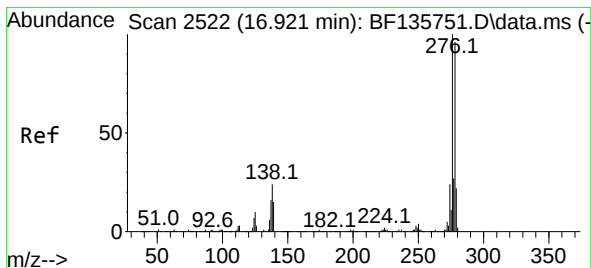
Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 21.9 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.412 ng

RT: 16.921 min Scan# 2193

Delta R.T. -0.012 min

Lab File: BF135897.D

Acq: 19 Oct 2023 20:51

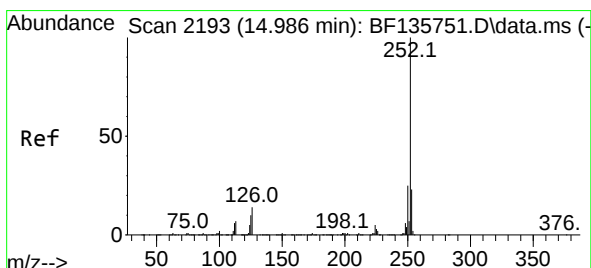
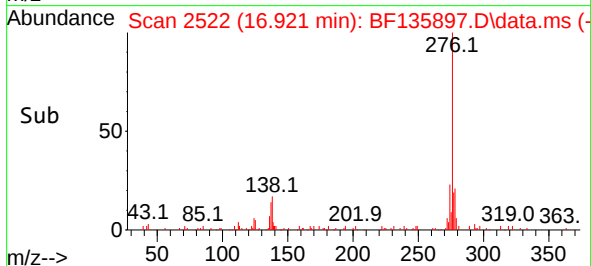
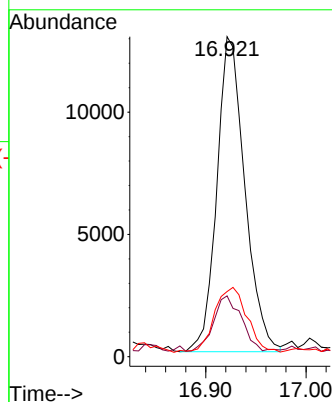
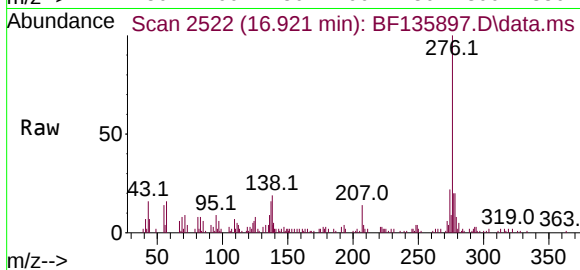
Instrument :

BNA_F

ClientSampleId :

SB-104-1(5-10)DL

Tgt Ion:	276	Resp:	25026
Ion Ratio	Lower	Upper	
276	100		
138	17.5	19.8	29.6#
277	24.7	20.2	30.4



#88

Benzo(b)fluoranthene

Concen: 17.264 ng

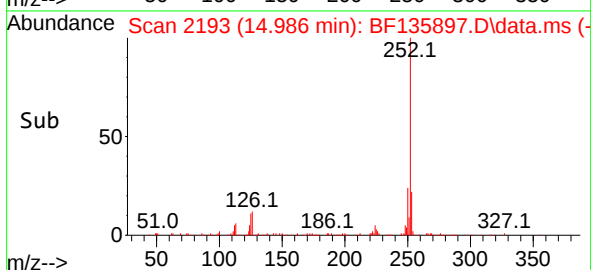
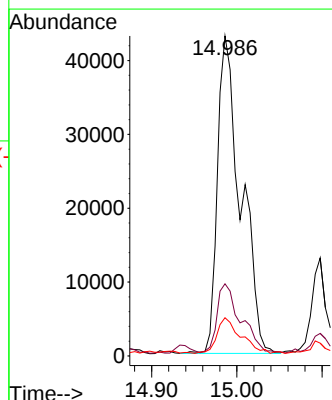
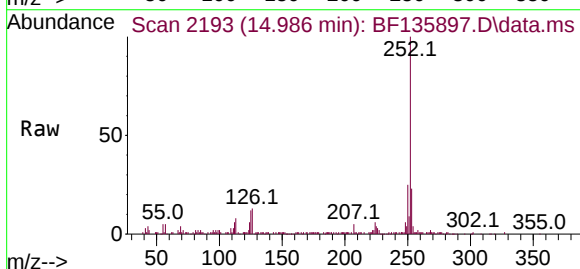
RT: 14.986 min Scan# 2193

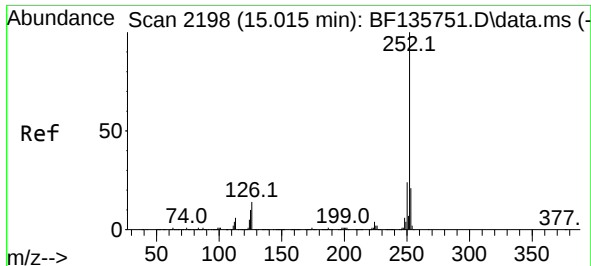
Delta R.T. -0.006 min

Lab File: BF135897.D

Acq: 19 Oct 2023 20:51

Tgt Ion:	252	Resp:	81999
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.2	27.2
125	12.0	8.2	12.2

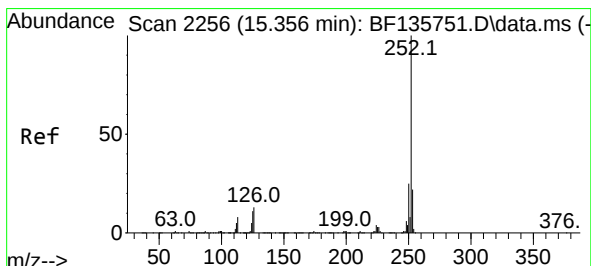
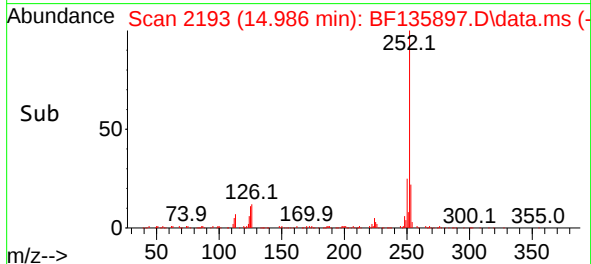
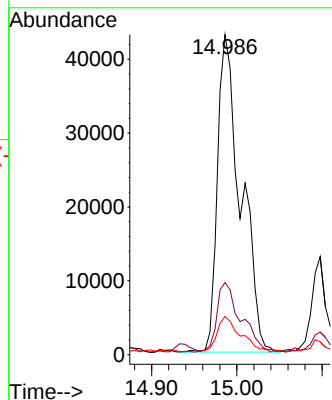
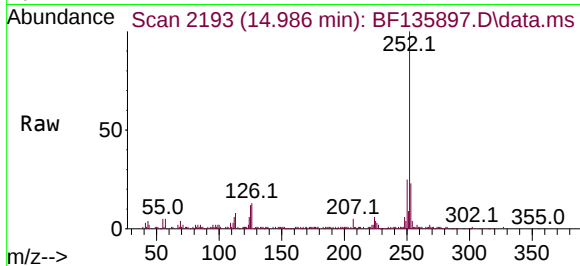




#89
Benzo(k)fluoranthene
Concen: 17.783 ng
RT: 14.986 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

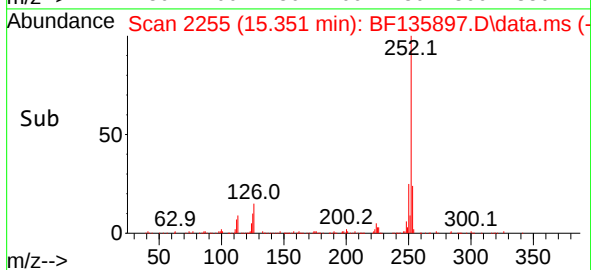
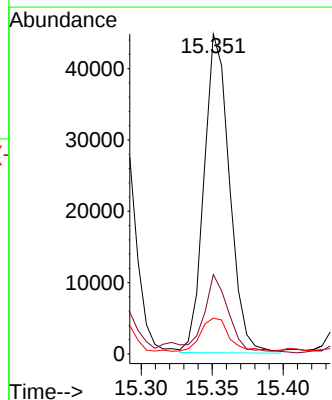
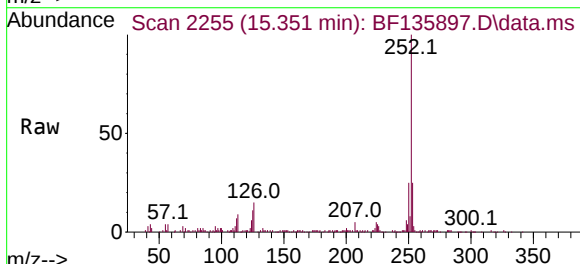
Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)DL

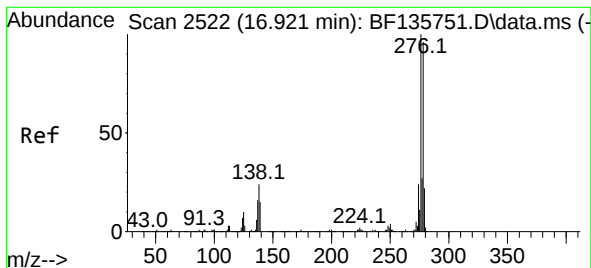
Tgt Ion:252 Resp: 81999
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 12.0 8.3 12.5



#90
Benzo(a)pyrene
Concen: 12.490 ng
RT: 15.351 min Scan# 2255
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

Tgt Ion:252 Resp: 55782
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.2
125 11.2 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 2.068 ng

RT: 16.915 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF135897.D

Acq: 19 Oct 2023 20:51

Instrument :

BNA_F

ClientSampleId :

SB-104-1(5-10)DL

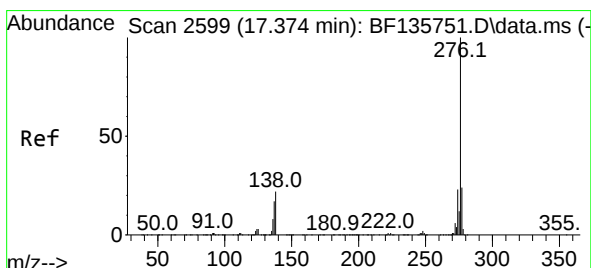
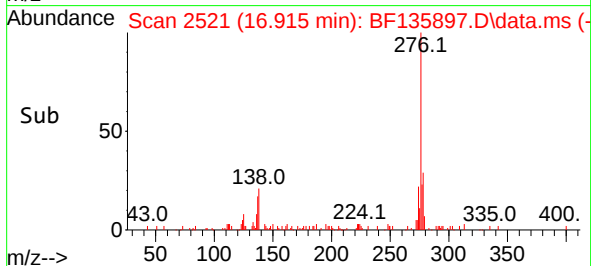
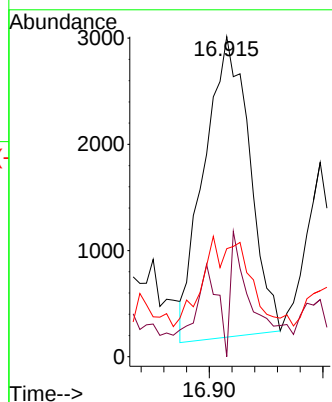
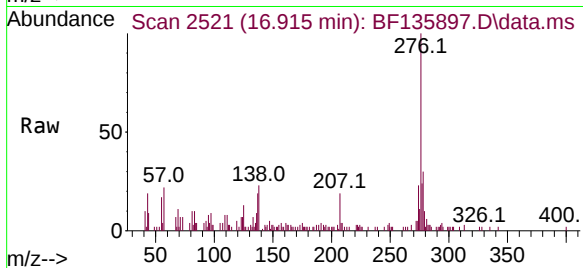
Tgt Ion:278 Resp: 7840

Ion Ratio Lower Upper

278 100

139 0.0 12.5 18.7#

279 33.8 18.6 27.8#



#92

Benzo(g,h,i)perylene

Concen: 6.553 ng

RT: 17.386 min Scan# 2601

Delta R.T. -0.000 min

Lab File: BF135897.D

Acq: 19 Oct 2023 20:51

Tgt Ion:276 Resp: 25516

Ion Ratio Lower Upper

276 100

277 25.9 19.4 29.2

138 14.8 17.3 25.9#

