

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135832.D
 Acq On : 18 Oct 2023 01:37
 Operator : CG\JU
 Sample : 04657-07 RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V-1(0-2IN)RE

Quant Time: Oct 18 02:06:07 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)

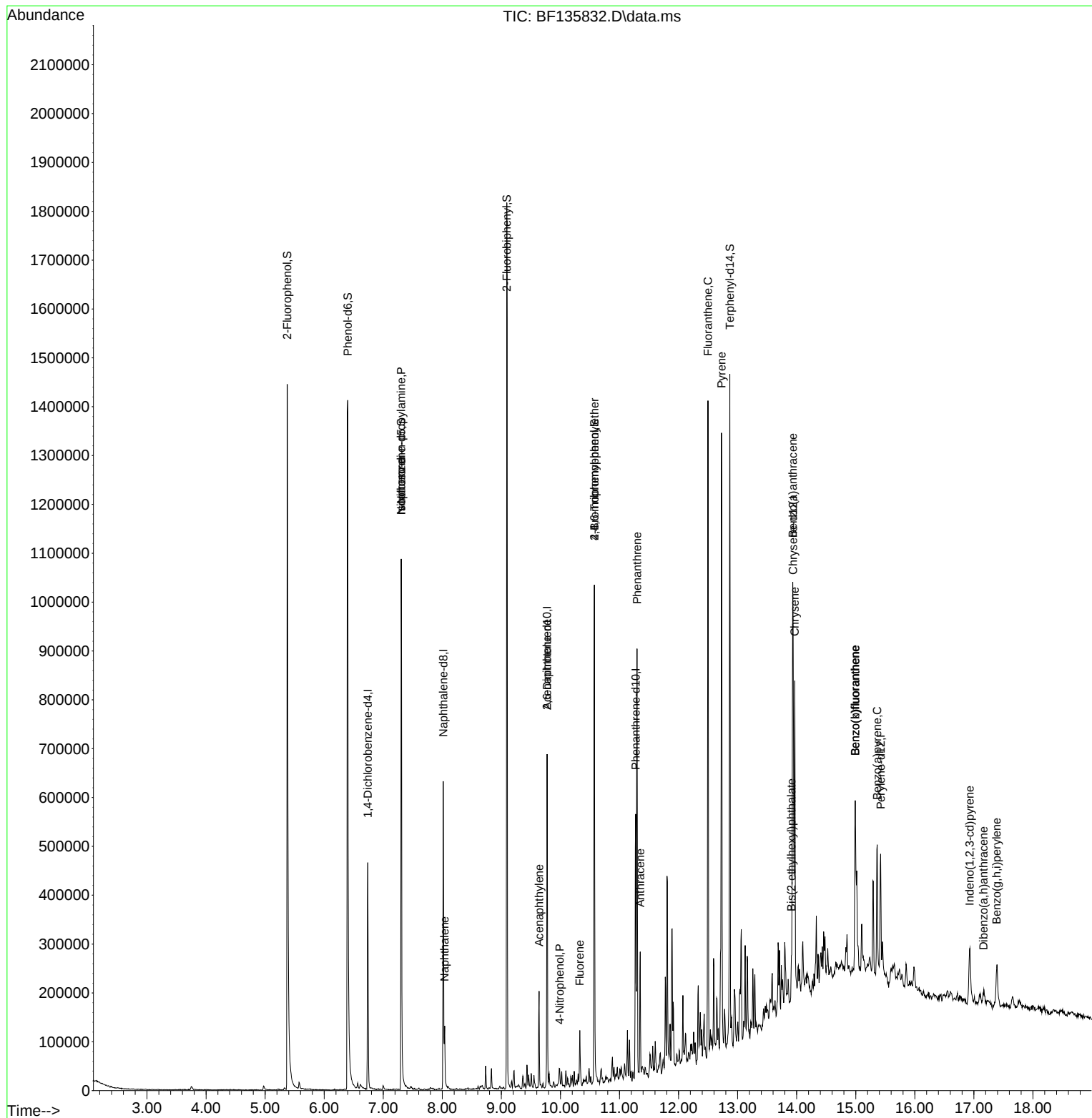
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	72296	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	257604	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	125488	20.000	ng	-0.01
64) Phenanthrene-d10	11.274	188	200092	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	156670	20.000	ng	-0.01
86) Perylene-d12	15.421	264	116942	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	476481	105.962	ng	0.00
7) Phenol-d6	6.398	99	554853	98.892	ng	0.00
23) Nitrobenzene-d5	7.304	82	329675	70.387	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	117751	97.787	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	543137	67.672	ng	-0.01
79) Terphenyl-d14	12.868	244	445791	52.695	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	43649	12.582	ng	# 76
25) Isophorone	7.304	82	329675	37.309	ng	# 66
31) Naphthalene	8.039	128	48868	3.889	ng	100
49) Acenaphthylene	9.639	152	79348	6.921	ng	98
51) 2,6-Dinitrotoluene	9.775	165	16994	9.329	ng	# 16
56) 4-Nitrophenol	9.986	139	4372	9.472	ng	# 7
58) Fluorene	10.327	166	31241	3.849	ng	99
67) 4-Bromophenyl-phenylether	10.575	248	6933	3.452	ng	# 1
71) Phenanthrene	11.298	178	307790	32.110	ng	99
72) Anthracene	11.351	178	104229	10.494	ng	98
75) Fluoranthene	12.498	202	513831	48.299	ng	98
78) Pyrene	12.727	202	534498	42.932	ng	100
81) Benzo(a)anthracene	13.933	228	269943	26.232	ng	94
83) Chrysene	13.968	228	245589	24.639	ng	98
84) Bis(2-ethylhexyl)phtha...	13.910	149	19489	2.628	ng	# 93
87) Indeno(1,2,3-cd)pyrene	16.927	276	75604	11.865	ng	92
88) Benzo(b)fluoranthene	14.992	252	274385	41.924	ng	96
89) Benzo(k)fluoranthene	14.992	252	274385	43.182	ng	98
90) Benzo(a)pyrene	15.362	252	145545	23.649	ng	98
91) Dibenzo(a,h)anthracene	17.162	278	12853	2.461	ng	96
92) Benzo(g,h,i)perylene	17.386	276	72154	13.447	ng	99

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

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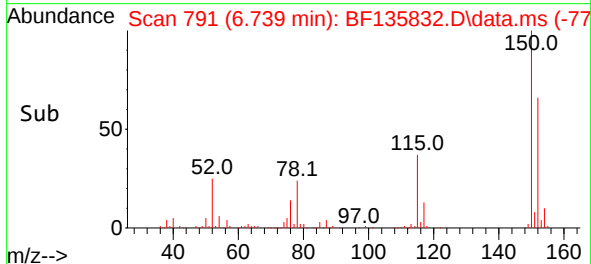
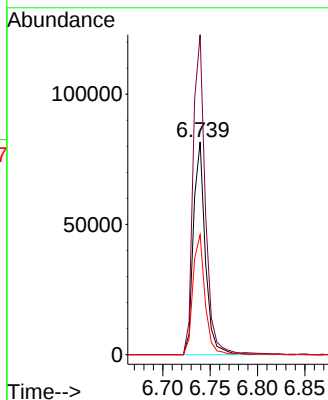
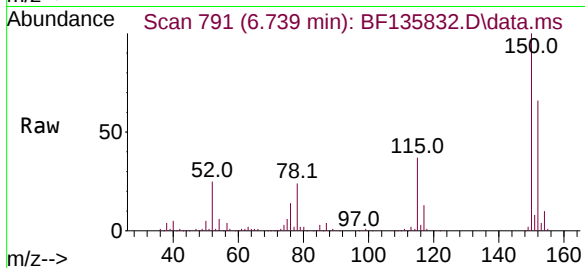




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.739 min Scan# 791
 Delta R.T. -0.007 min
 Lab File: BF135832.D
 Acq: 18 Oct 2023 01:37

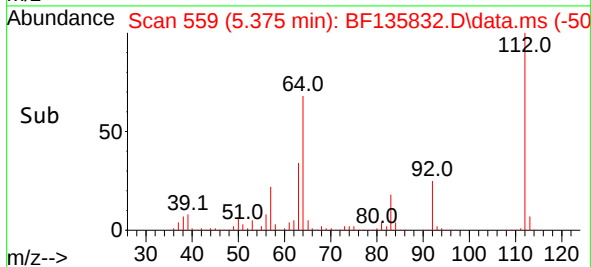
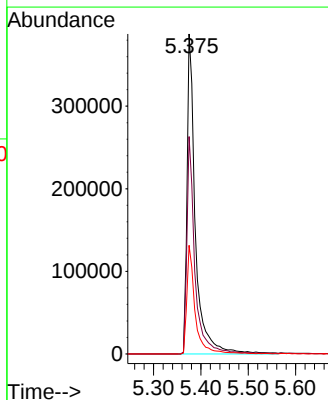
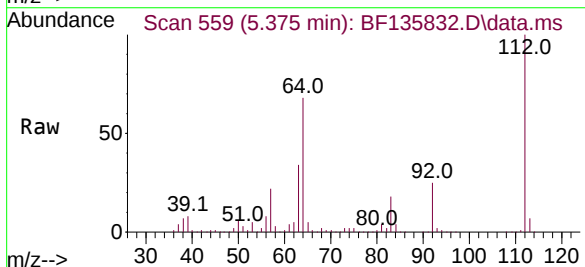
Instrument :
 BNA_F
 ClientSampleId :
 V-1(0-2IN)RE

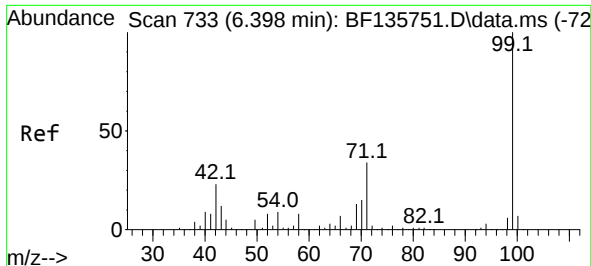
Tgt Ion:152 Resp: 72296
 Ion Ratio Lower Upper
 152 100
 150 150.4 124.5 186.7
 115 56.3 49.0 73.4



#5
 2-Fluorophenol
 Concen: 105.962 ng
 RT: 5.375 min Scan# 559
 Delta R.T. -0.000 min
 Lab File: BF135832.D
 Acq: 18 Oct 2023 01:37

Tgt Ion:112 Resp: 476481
 Ion Ratio Lower Upper
 112 100
 64 67.9 51.2 76.8
 63 33.9 26.1 39.1

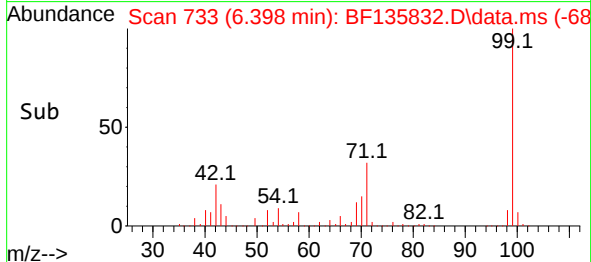
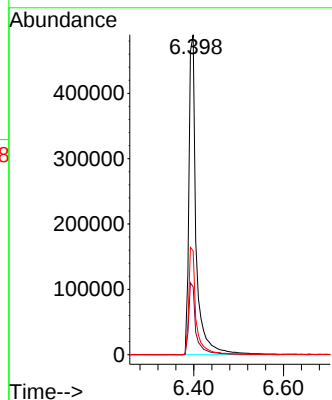
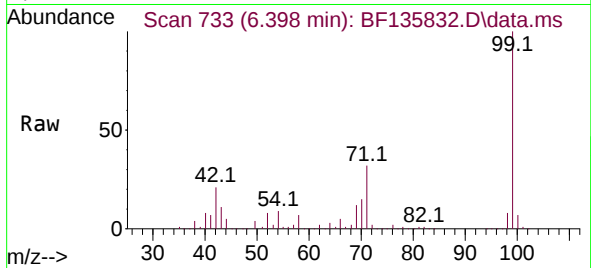




#7
Phenol-d6
Concen: 98.892 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

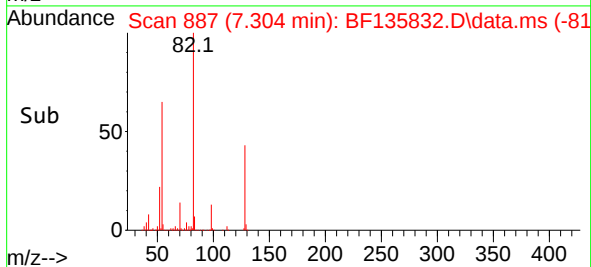
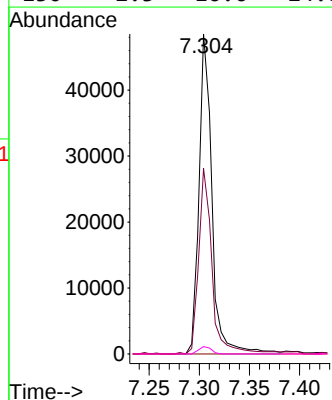
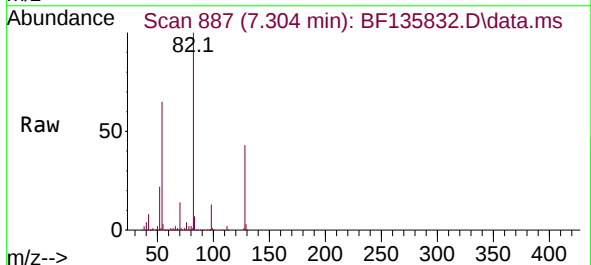
Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)RE

Tgt Ion: 99 Resp: 554853
Ion Ratio Lower Upper
99 100
42 21.2 18.4 27.6
71 32.4 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.582 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

Tgt Ion: 70 Resp: 43649
Ion Ratio Lower Upper
70 100
42 58.0 59.8 89.6#
101 0.0 7.4 11.2#
130 2.3 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: BF135832.D
Acq: 18 Oct 2023 01:37

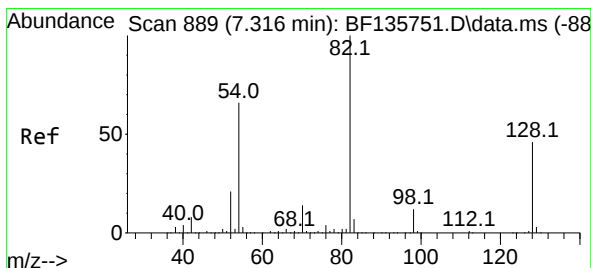
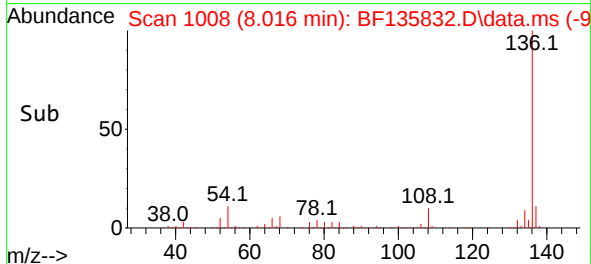
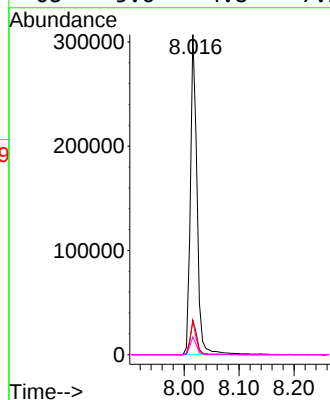
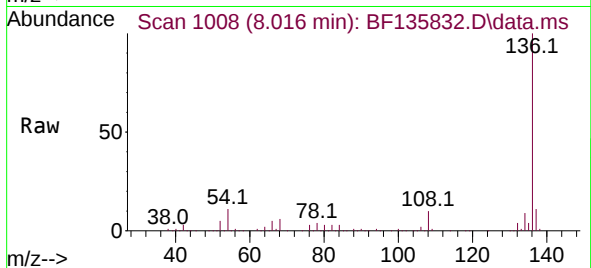
Instrument :

BNA_F

ClientSampleId :

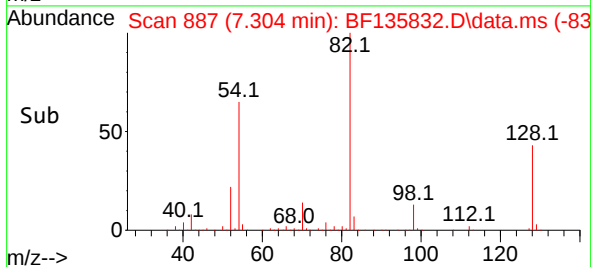
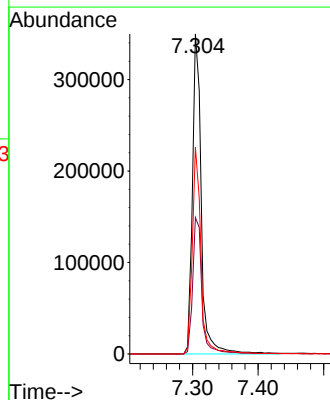
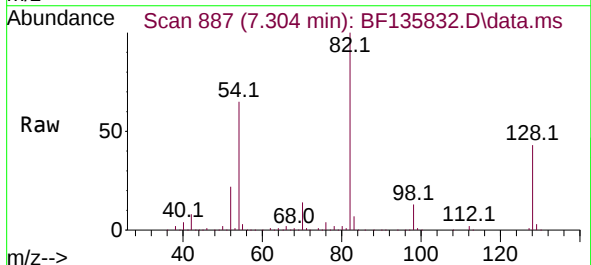
V-1(0-2IN)RE

Tgt Ion:136 Resp: 257604
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 10.5 8.5 12.7
68 5.6 4.8 7.2



#23
Nitrobenzene-d5
Concen: 70.387 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

Tgt Ion: 82 Resp: 329675
Ion Ratio Lower Upper
82 100
128 42.7 37.0 55.6
54 64.5 52.8 79.2

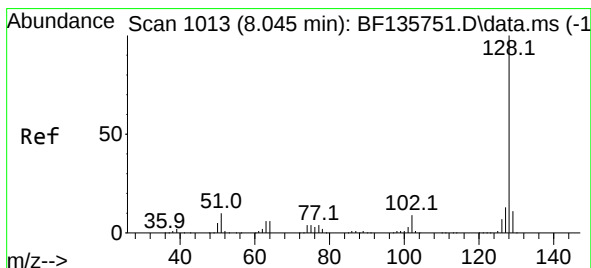
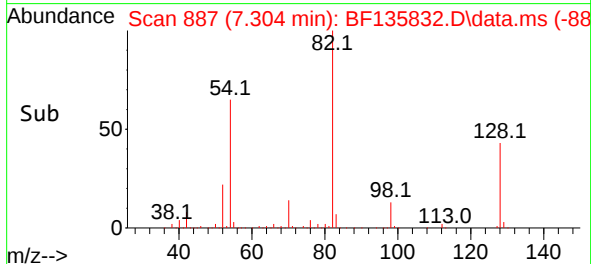
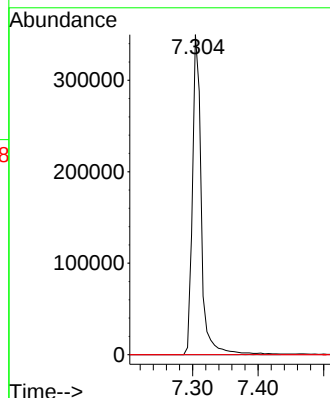
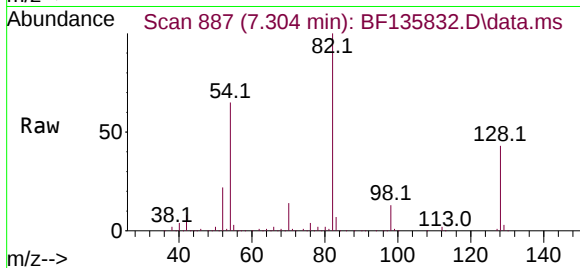




#25
Isophorone
Concen: 37.309 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

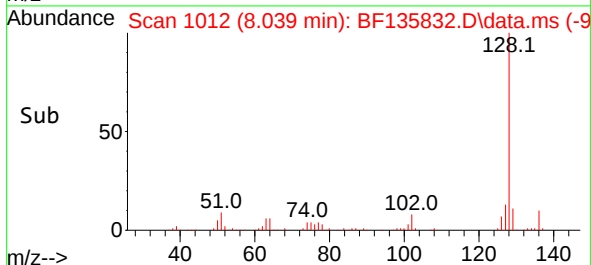
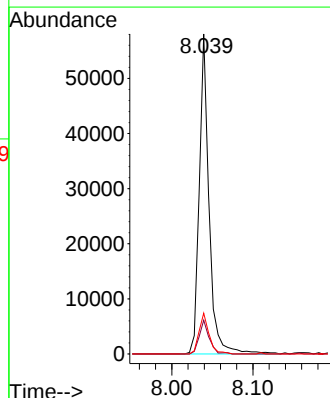
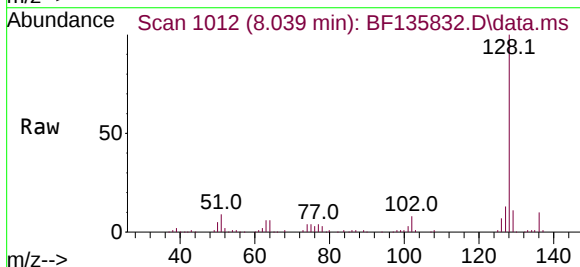
Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)RE

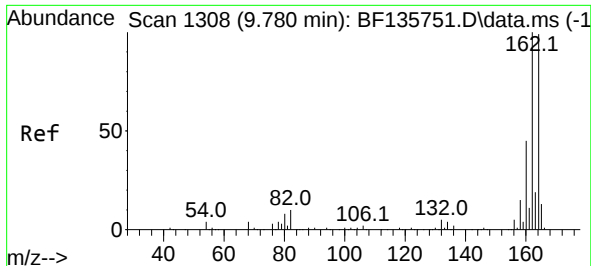
Tgt Ion: 82 Resp: 329675
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#31
Naphthalene
Concen: 3.889 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

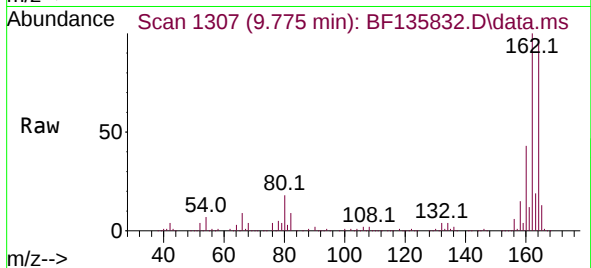
Tgt Ion: 128 Resp: 48868
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 12.8 10.2 15.4



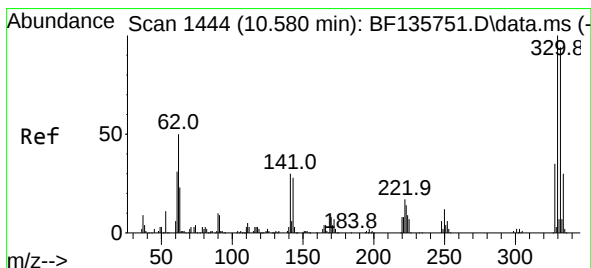
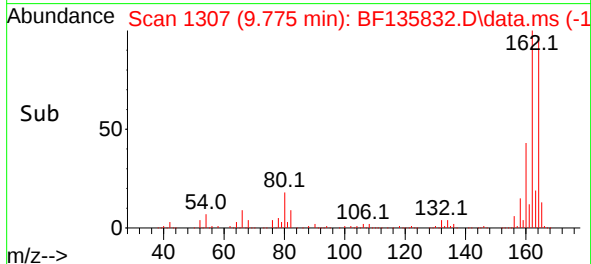
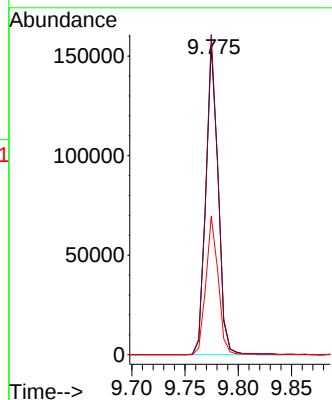


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

Instrument :
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V-1(0-2IN)RE

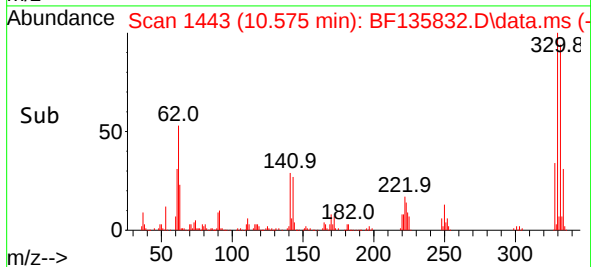
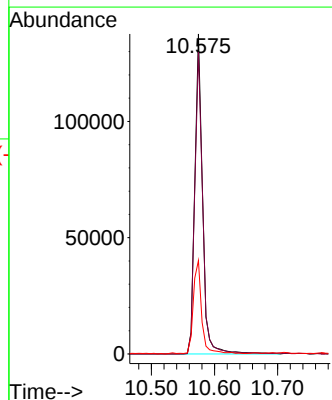
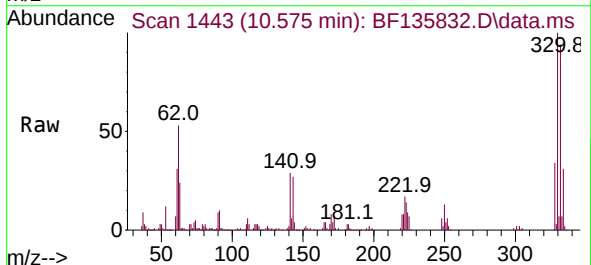


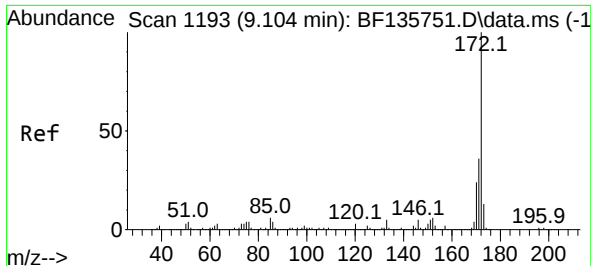
Tgt Ion:164 Resp: 125488
Ion Ratio Lower Upper
164 100
162 103.5 80.8 121.2
160 44.7 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 97.787 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

Tgt Ion:330 Resp: 117751
Ion Ratio Lower Upper
330 100
332 95.7 75.0 112.4
141 30.6 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 67.672 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135832.D

Acq: 18 Oct 2023 01:37

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)RE

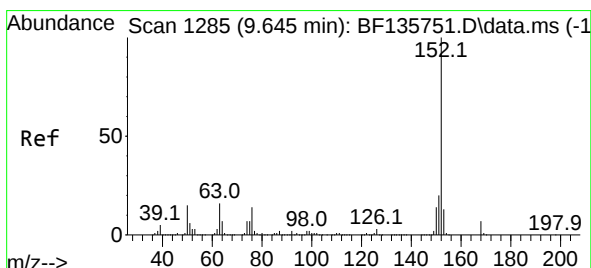
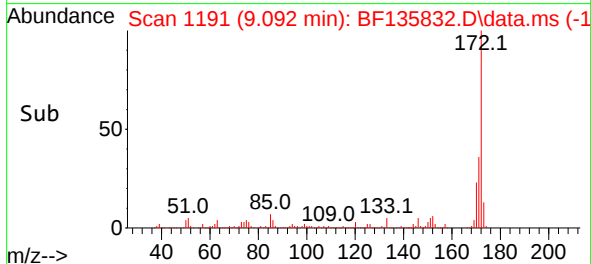
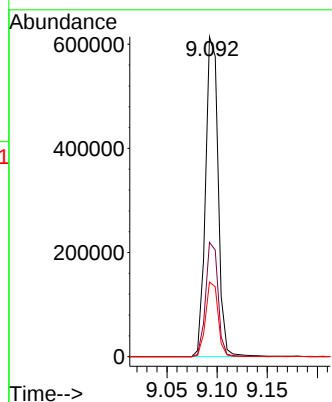
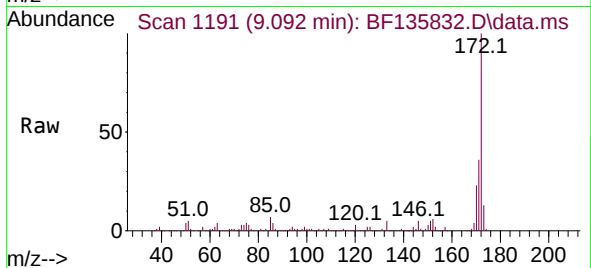
Tgt Ion:172 Resp: 543137

Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.3 18.8 28.2



#49

Acenaphthylene

Concen: 6.921 ng

RT: 9.639 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF135832.D

Acq: 18 Oct 2023 01:37

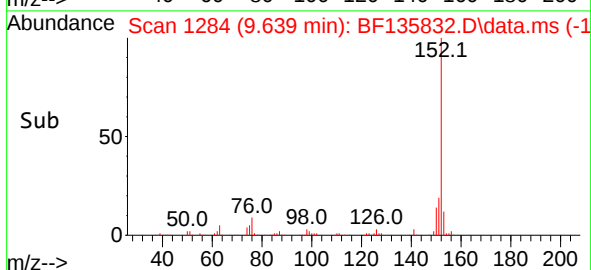
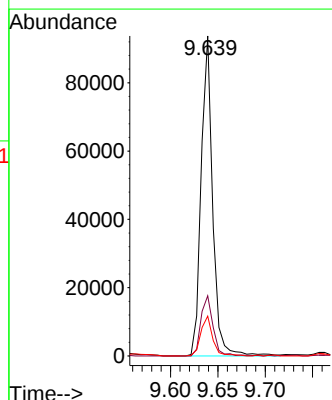
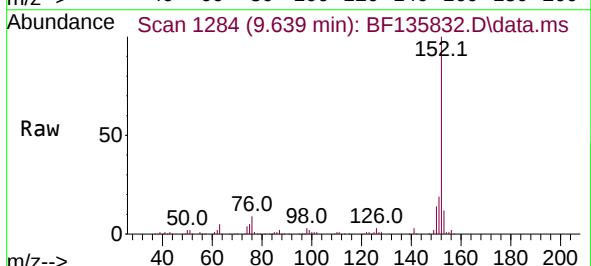
Tgt Ion:152 Resp: 79348

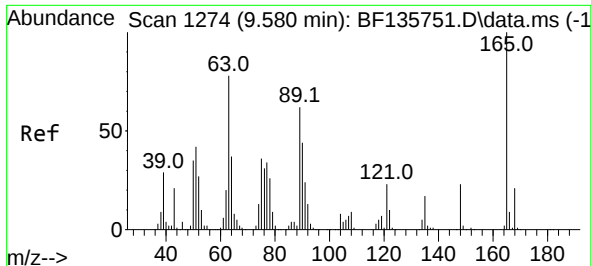
Ion Ratio Lower Upper

152 100

151 18.8 16.2 24.2

153 12.5 10.2 15.4





#51

2,6-Dinitrotoluene

Concen: 9.329 ng

RT: 9.775 min Scan# 11

Delta R.T. 0.188 min

Lab File: BF135832.D

Acq: 18 Oct 2023 01:37

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ClientSampleId :

V-1(0-2IN)RE

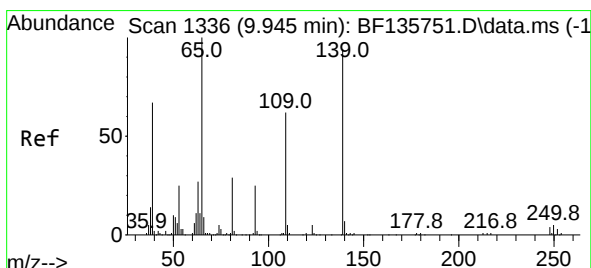
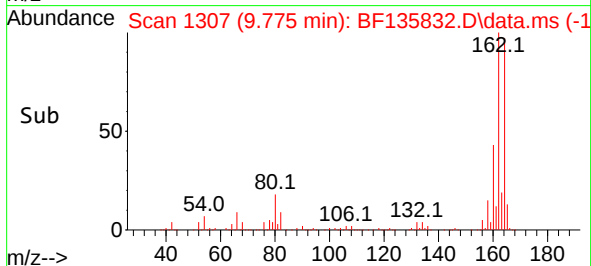
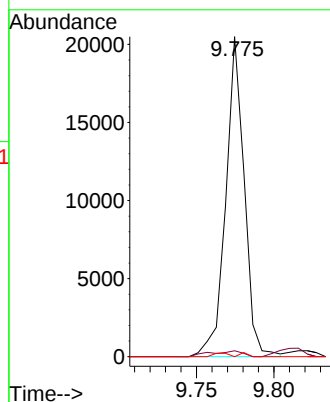
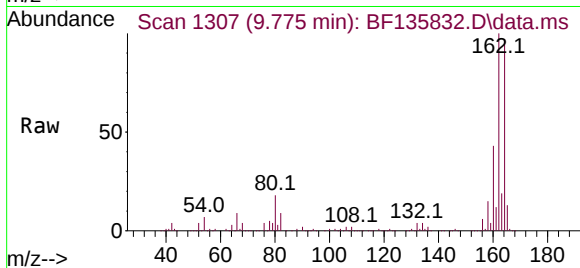
Tgt Ion:165 Resp: 16994

Ion Ratio Lower Upper

165 100

63 1.9 62.2 93.4#

89 0.0 49.6 74.4#



#56

4-Nitrophenol

Concen: 9.472 ng

RT: 9.986 min Scan# 1343

Delta R.T. 0.041 min

Lab File: BF135832.D

Acq: 18 Oct 2023 01:37

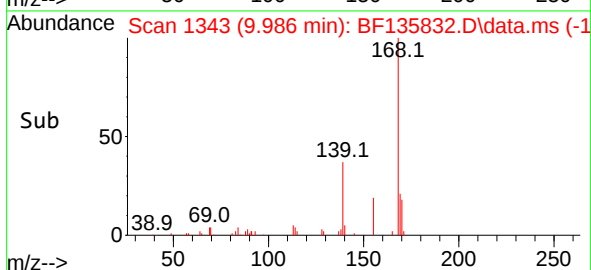
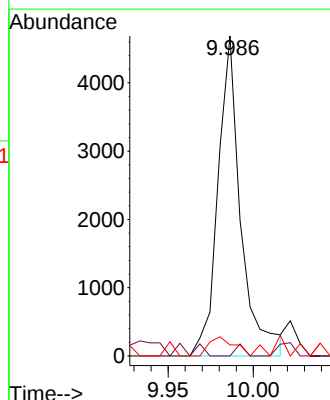
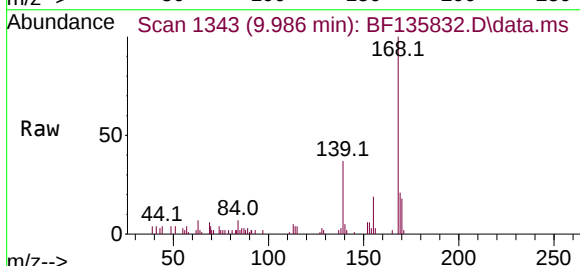
Tgt Ion:139 Resp: 4372

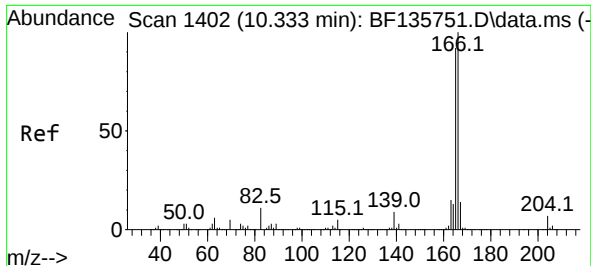
Ion Ratio Lower Upper

139 100

109 0.0 45.6 85.6#

65 3.5 87.5 127.5#

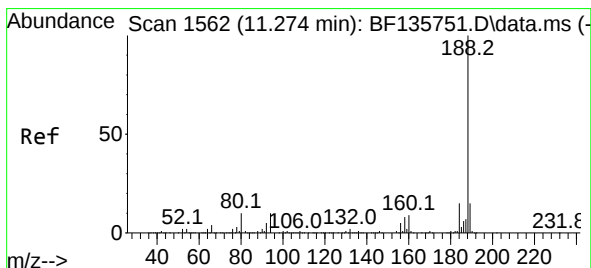
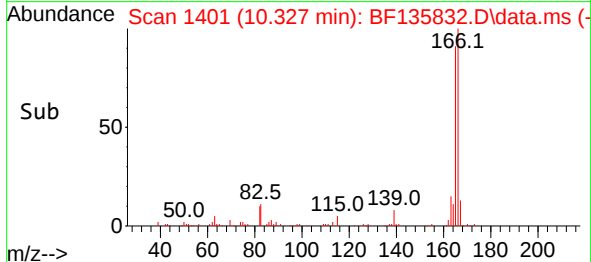
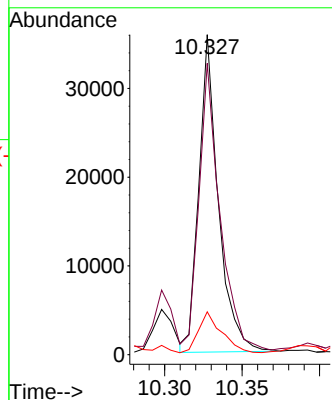
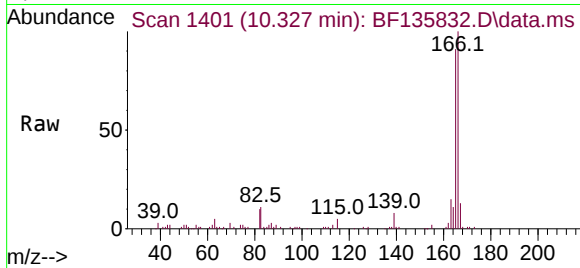




#58
 Fluorene
 Concen: 3.849 ng
 RT: 10.327 min Scan# 1402
 Delta R.T. -0.012 min
 Lab File: BF135832.D
 Acq: 18 Oct 2023 01:37

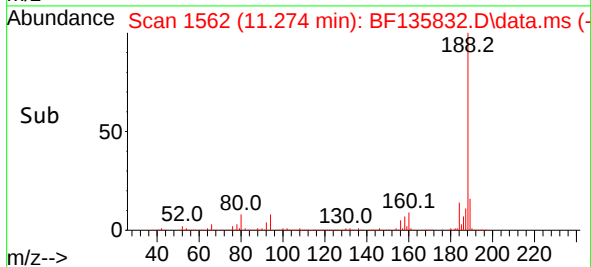
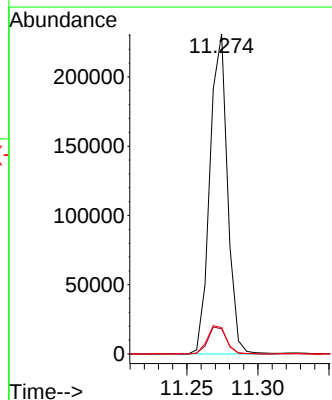
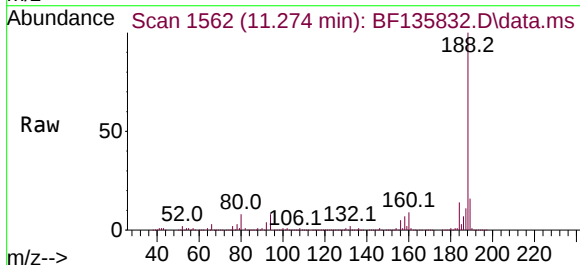
Instrument :
 BNA_F
 ClientSampleId :
 V-1(0-2IN)RE

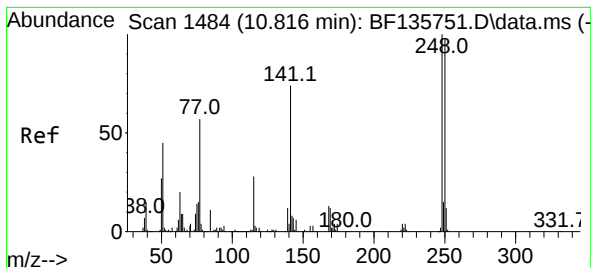
Tgt Ion:166 Resp: 31241
 Ion Ratio Lower Upper
 166 100
 165 91.1 73.4 110.0
 167 13.4 11.0 16.6



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.274 min Scan# 1562
 Delta R.T. -0.006 min
 Lab File: BF135832.D
 Acq: 18 Oct 2023 01:37

Tgt Ion:188 Resp: 200092
 Ion Ratio Lower Upper
 188 100
 94 7.8 8.0 12.0#
 80 8.2 8.3 12.5#

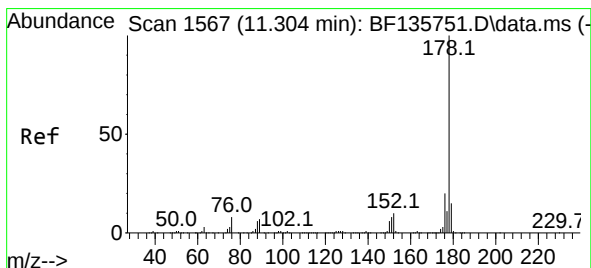
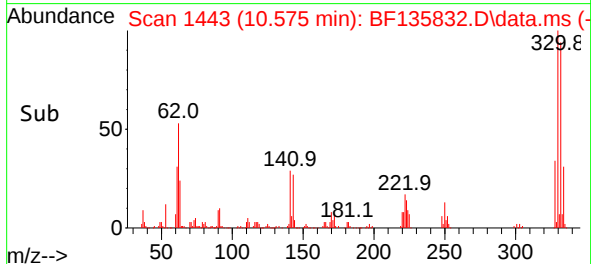
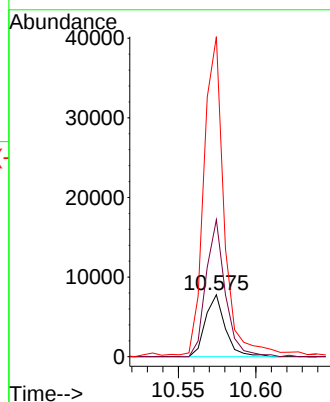
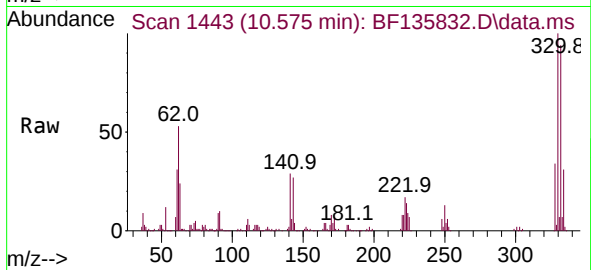




#67
4-Bromophenyl-phenylether
Concen: 3.452 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.247 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

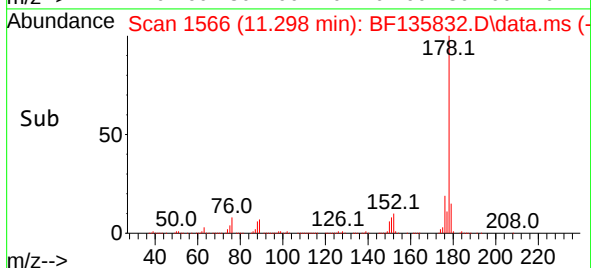
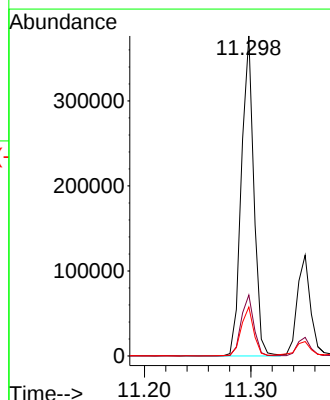
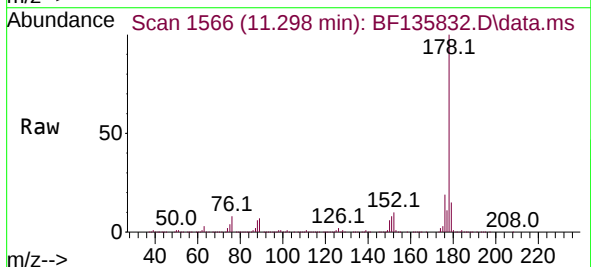
Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)RE

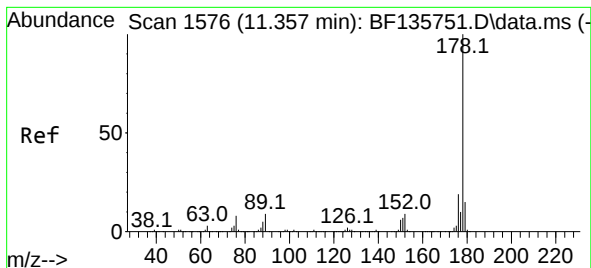
Tgt Ion:248 Resp: 6933
Ion Ratio Lower Upper
248 100
250 220.9 78.0 117.0#
141 516.3 59.0 88.6#



#71
Phenanthrene
Concen: 32.110 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

Tgt Ion:178 Resp: 307790
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.3 12.2 18.4





#72

Anthracene

Concen: 10.494 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135832.D

Acq: 18 Oct 2023 01:37

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)RE

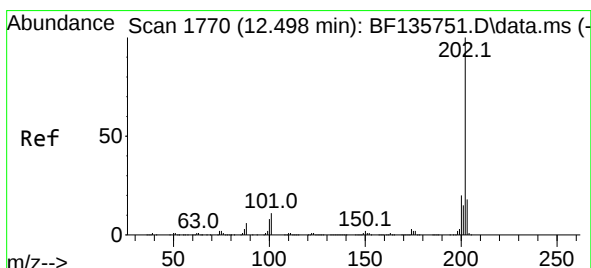
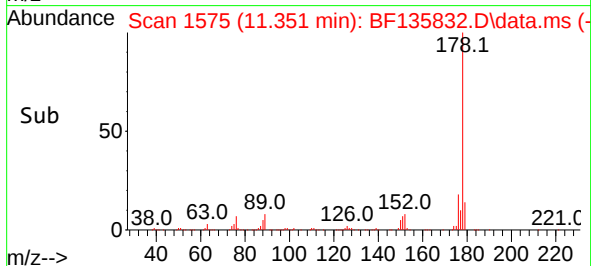
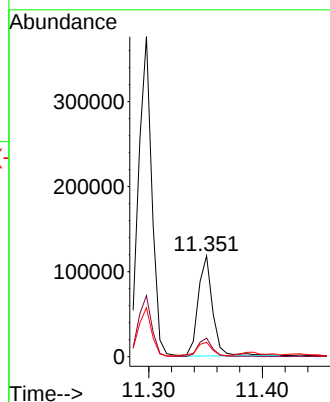
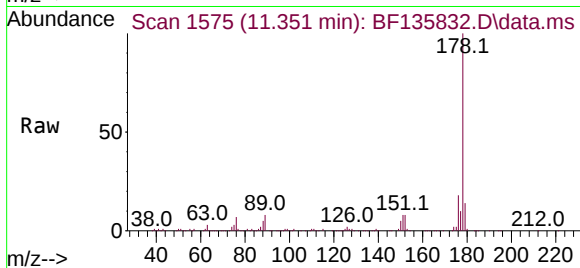
Tgt Ion:178 Resp: 104229

Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

179 14.3 12.3 18.5



#75

Fluoranthene

Concen: 48.299 ng

RT: 12.498 min Scan# 1770

Delta R.T. -0.006 min

Lab File: BF135832.D

Acq: 18 Oct 2023 01:37

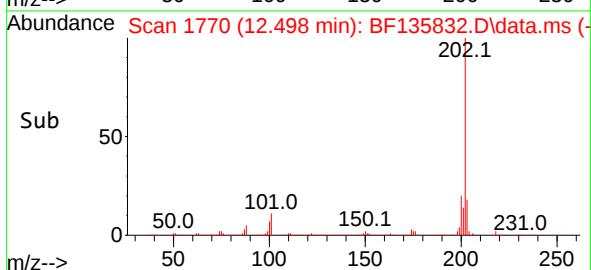
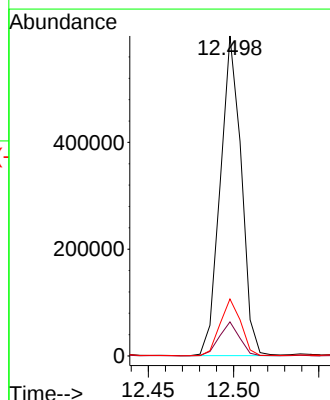
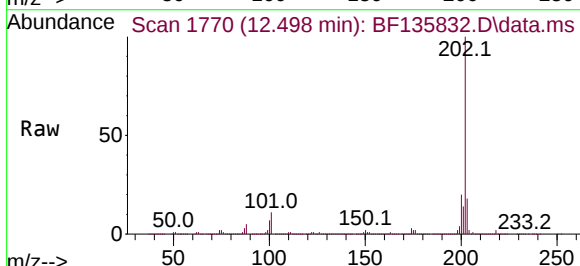
Tgt Ion:202 Resp: 513831

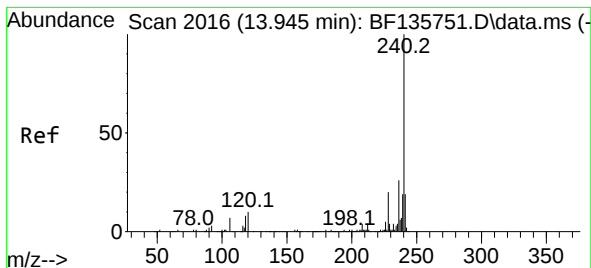
Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.5

203 17.8 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135832.D

Acq: 18 Oct 2023 01:37

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)RE

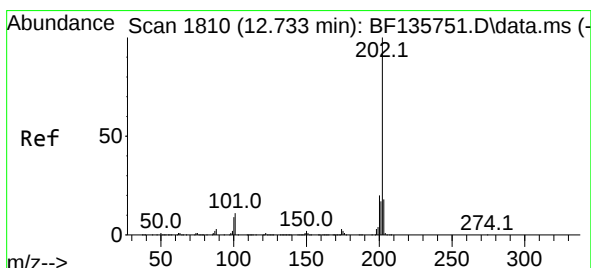
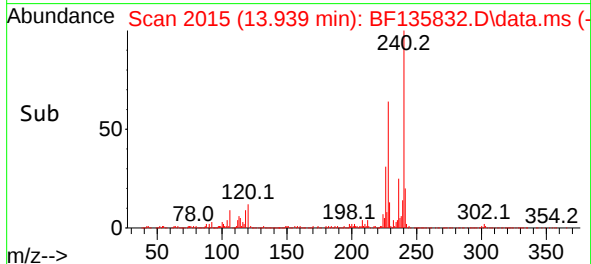
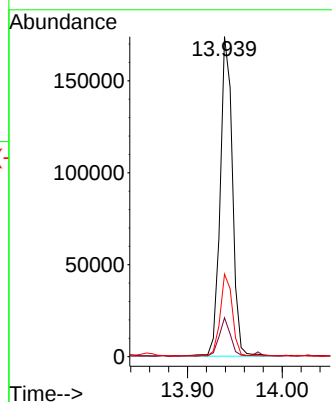
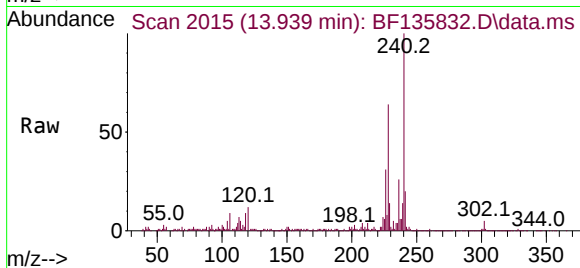
Tgt Ion:240 Resp: 156670

Ion Ratio Lower Upper

240 100

120 12.2 8.2 12.2

236 25.8 21.2 31.8



#78

Pyrene

Concen: 42.932 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135832.D

Acq: 18 Oct 2023 01:37

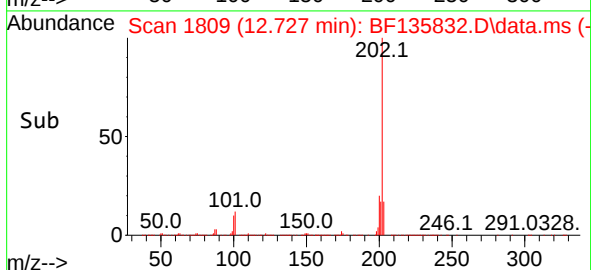
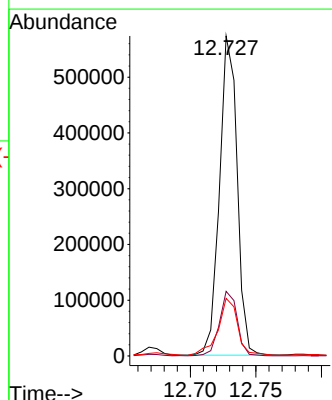
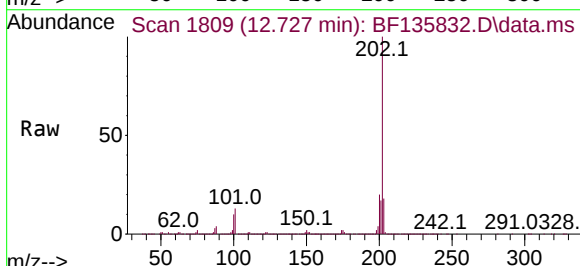
Tgt Ion:202 Resp: 534498

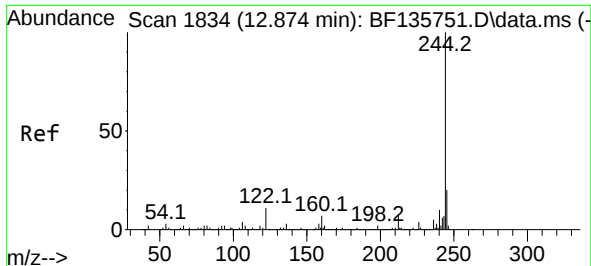
Ion Ratio Lower Upper

202 100

200 20.2 16.1 24.1

203 18.0 14.2 21.2

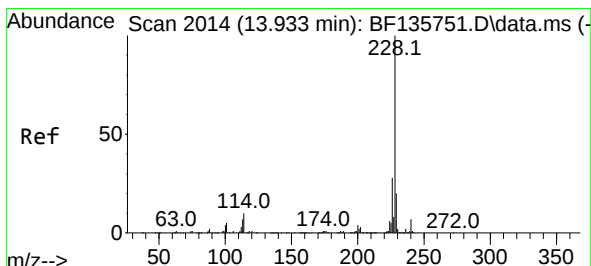
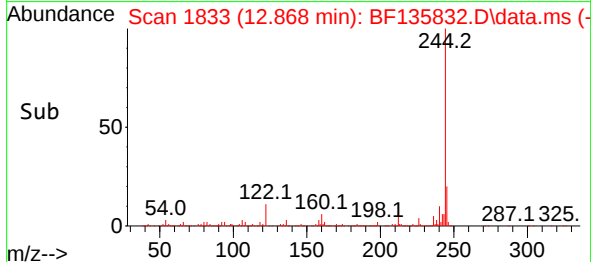
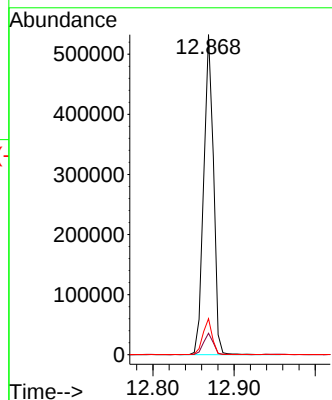
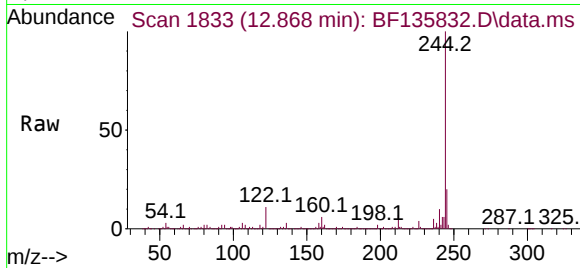




#79
 Terphenyl-d14
 Concen: 52.695 ng
 RT: 12.868 min Scan# 1833
 Delta R.T. -0.012 min
 Lab File: BF135832.D
 Acq: 18 Oct 2023 01:37

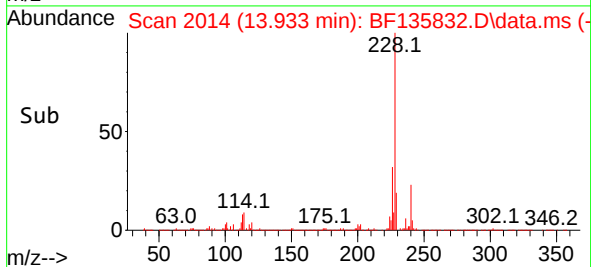
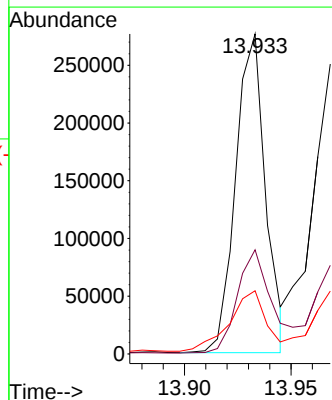
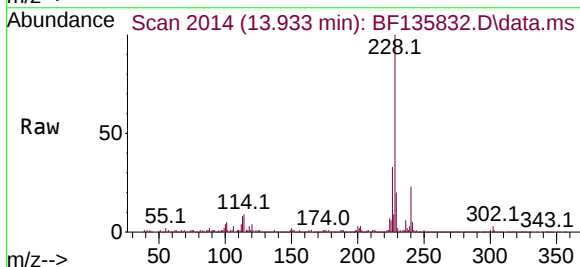
Instrument :
 BNA_F
 ClientSampleId :
 V-1(0-2IN)RE

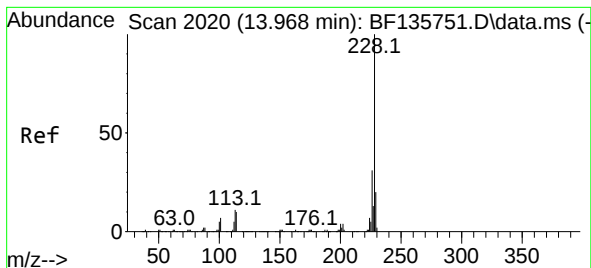
Tgt Ion:244 Resp: 445791
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 11.2 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 26.232 ng
 RT: 13.933 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF135832.D
 Acq: 18 Oct 2023 01:37

Tgt Ion:228 Resp: 269943
 Ion Ratio Lower Upper
 228 100
 226 32.5 22.2 33.2
 229 19.8 16.1 24.1





#83

Chrysene

Concen: 24.639 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135832.D

Acq: 18 Oct 2023 01:37

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)RE

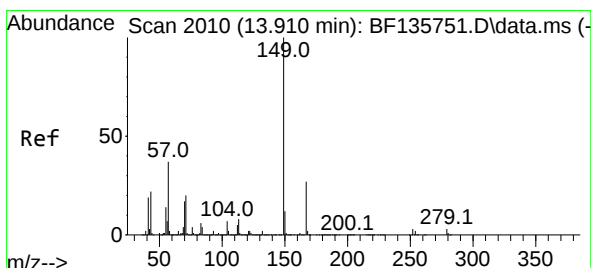
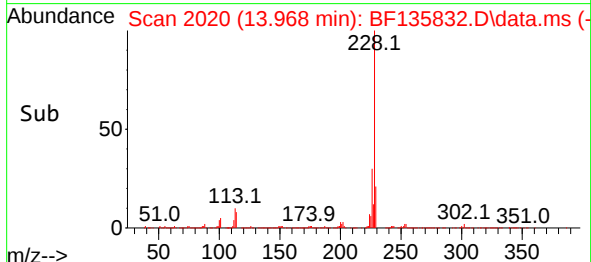
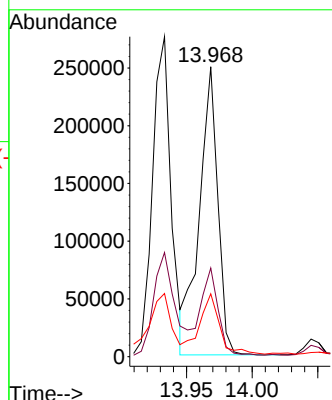
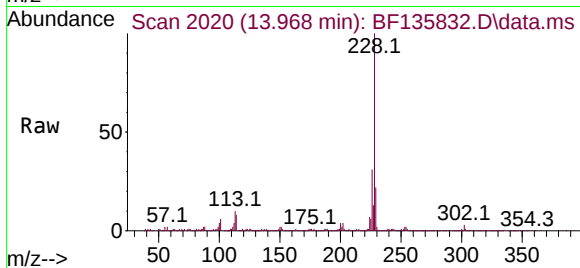
Tgt Ion:228 Resp: 245589

Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

229 21.7 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.628 ng

RT: 13.910 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF135832.D

Acq: 18 Oct 2023 01:37

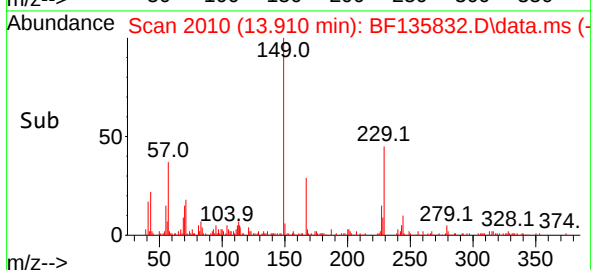
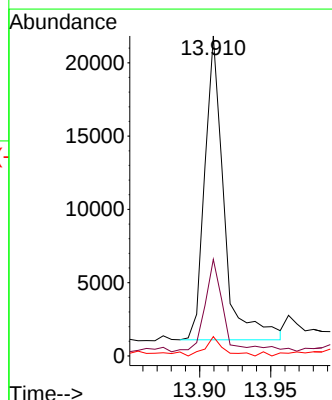
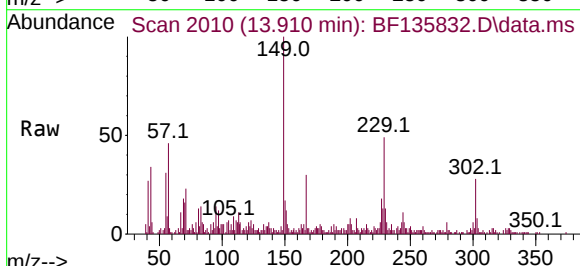
Tgt Ion:149 Resp: 19489

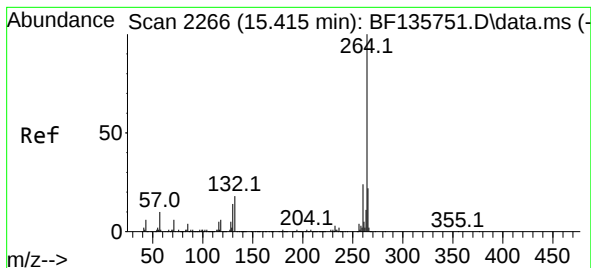
Ion Ratio Lower Upper

149 100

167 30.2 21.3 31.9

279 6.0 2.7 4.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135832.D

Acq: 18 Oct 2023 01:37

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)RE

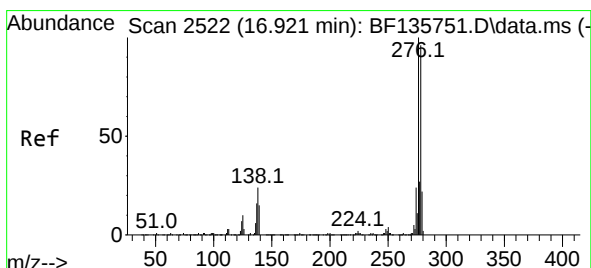
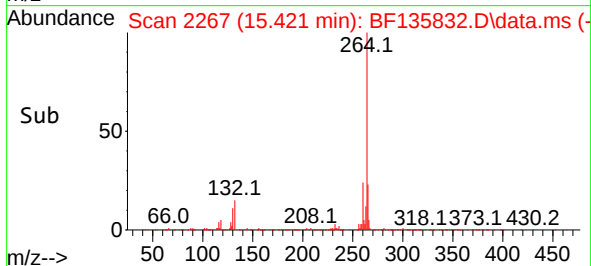
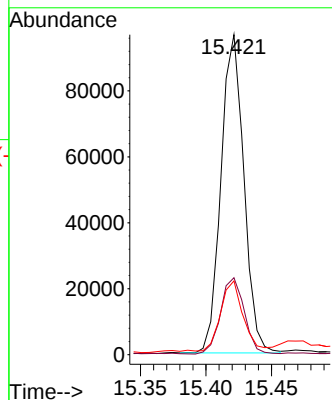
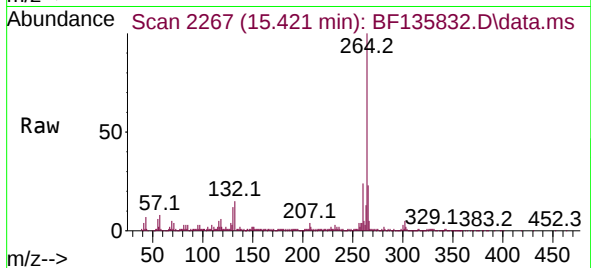
Tgt Ion:264 Resp: 116942

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 23.1 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.865 ng

RT: 16.927 min Scan# 2523

Delta R.T. -0.006 min

Lab File: BF135832.D

Acq: 18 Oct 2023 01:37

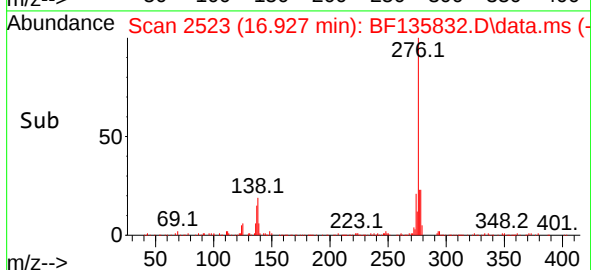
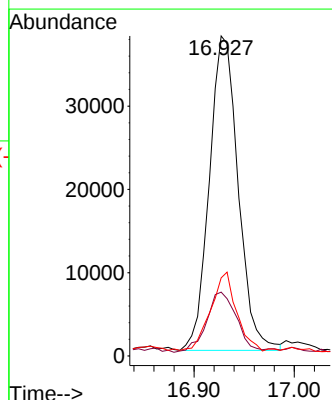
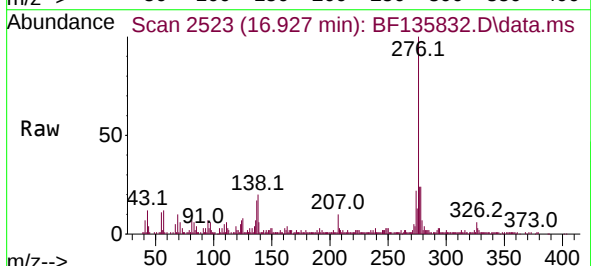
Tgt Ion:276 Resp: 75604

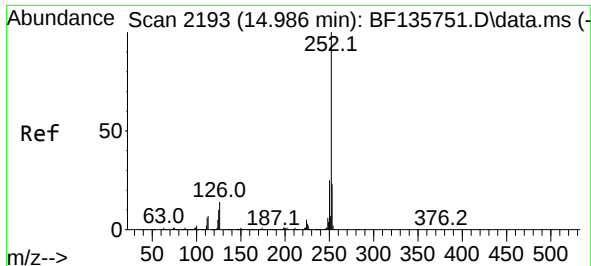
Ion Ratio Lower Upper

276 100

138 20.1 19.8 29.6

277 22.2 20.2 30.4

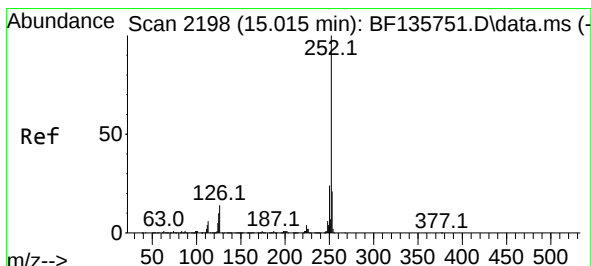
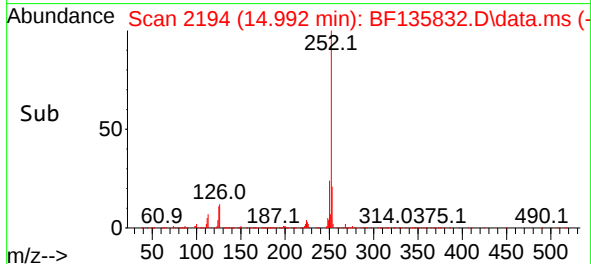
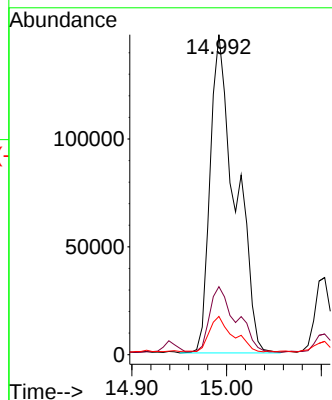
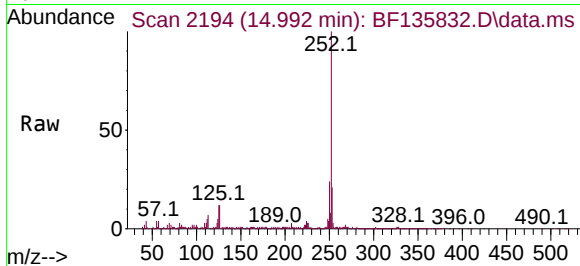




#88
Benzo(b)fluoranthene
Concen: 41.924 ng
RT: 14.992 min Scan# 2194
Delta R.T. -0.000 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

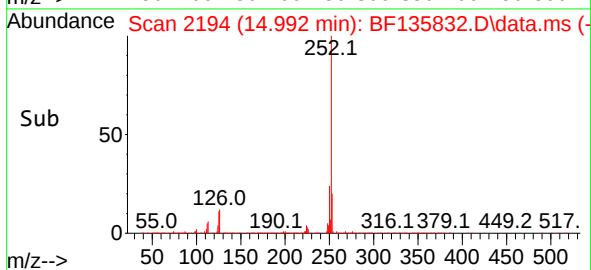
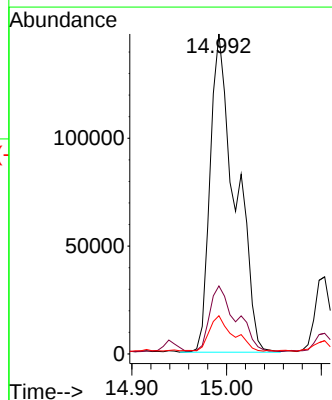
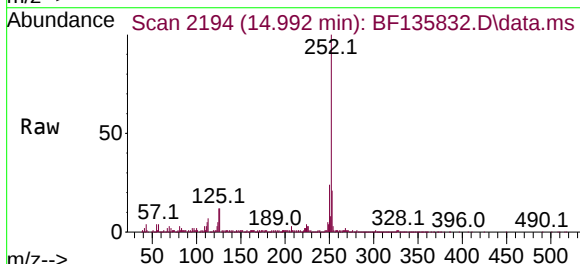
Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)RE

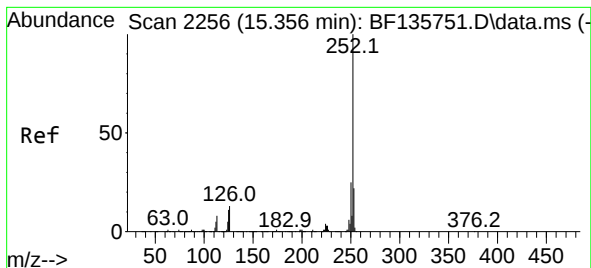
Tgt Ion:252 Resp: 274385
Ion Ratio Lower Upper
252 100
253 21.2 18.2 27.2
125 11.9 8.2 12.2



#89
Benzo(k)fluoranthene
Concen: 43.182 ng
RT: 14.992 min Scan# 2194
Delta R.T. -0.030 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

Tgt Ion:252 Resp: 274385
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.0
125 11.9 8.3 12.5





#90

Benzo(a)pyrene

Concen: 23.649 ng

RT: 15.362 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135832.D

Acq: 18 Oct 2023 01:37

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)RE

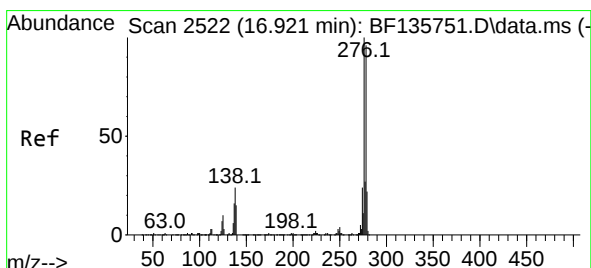
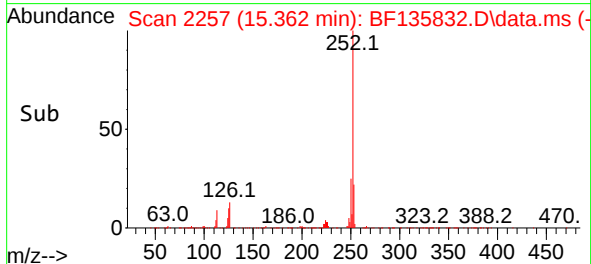
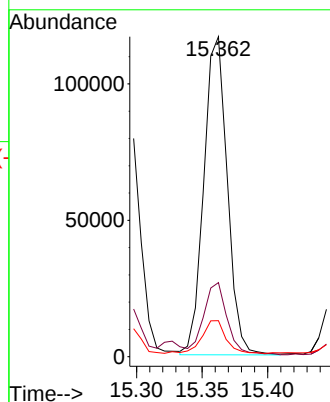
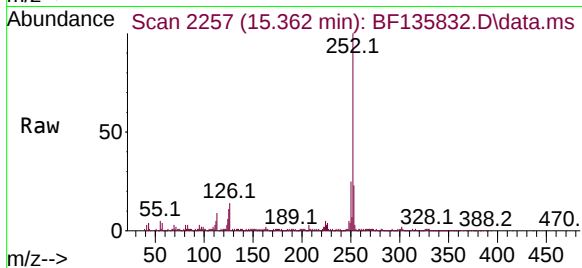
Tgt Ion:252 Resp: 145545

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

125 11.3 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 2.461 ng

RT: 17.162 min Scan# 2563

Delta R.T. 0.223 min

Lab File: BF135832.D

Acq: 18 Oct 2023 01:37

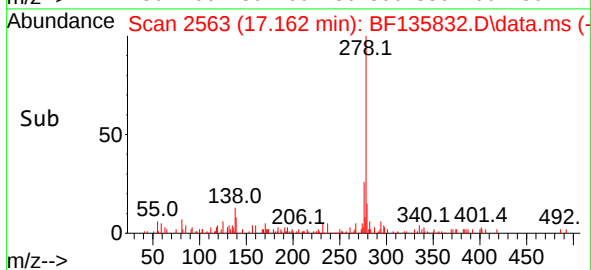
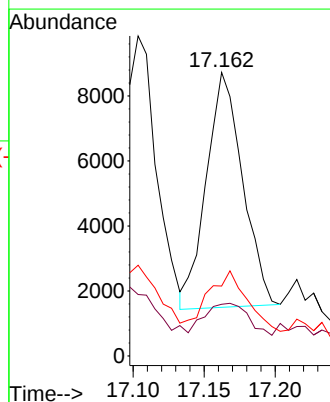
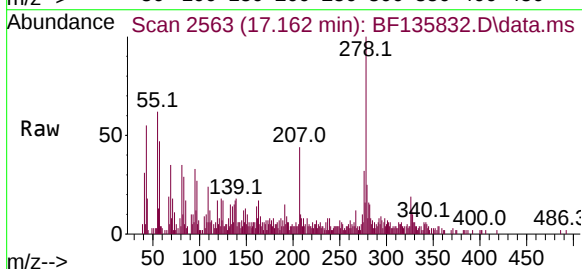
Tgt Ion:278 Resp: 12853

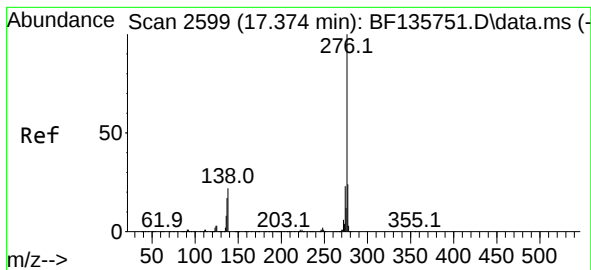
Ion Ratio Lower Upper

278 100

139 18.2 12.5 18.7

279 24.7 18.6 27.8





#92

Benzo(g,h,i)perylene

Concen: 13.447 ng

RT: 17.386 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF135832.D

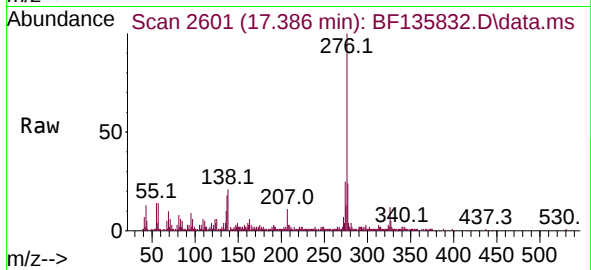
Acq: 18 Oct 2023 01:37

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)RE



Tgt Ion:276 Resp: 72154

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.2

138 20.7 17.3 25.9

