

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
 Data File : BF132282.D
 Acq On : 02 Feb 2023 02:54
 Operator : CG\JU
 Sample : 01385-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-02-013123

Quant Time: Feb 02 04:00:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 02 01:30:34 2023
 Response via : Initial Calibration

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

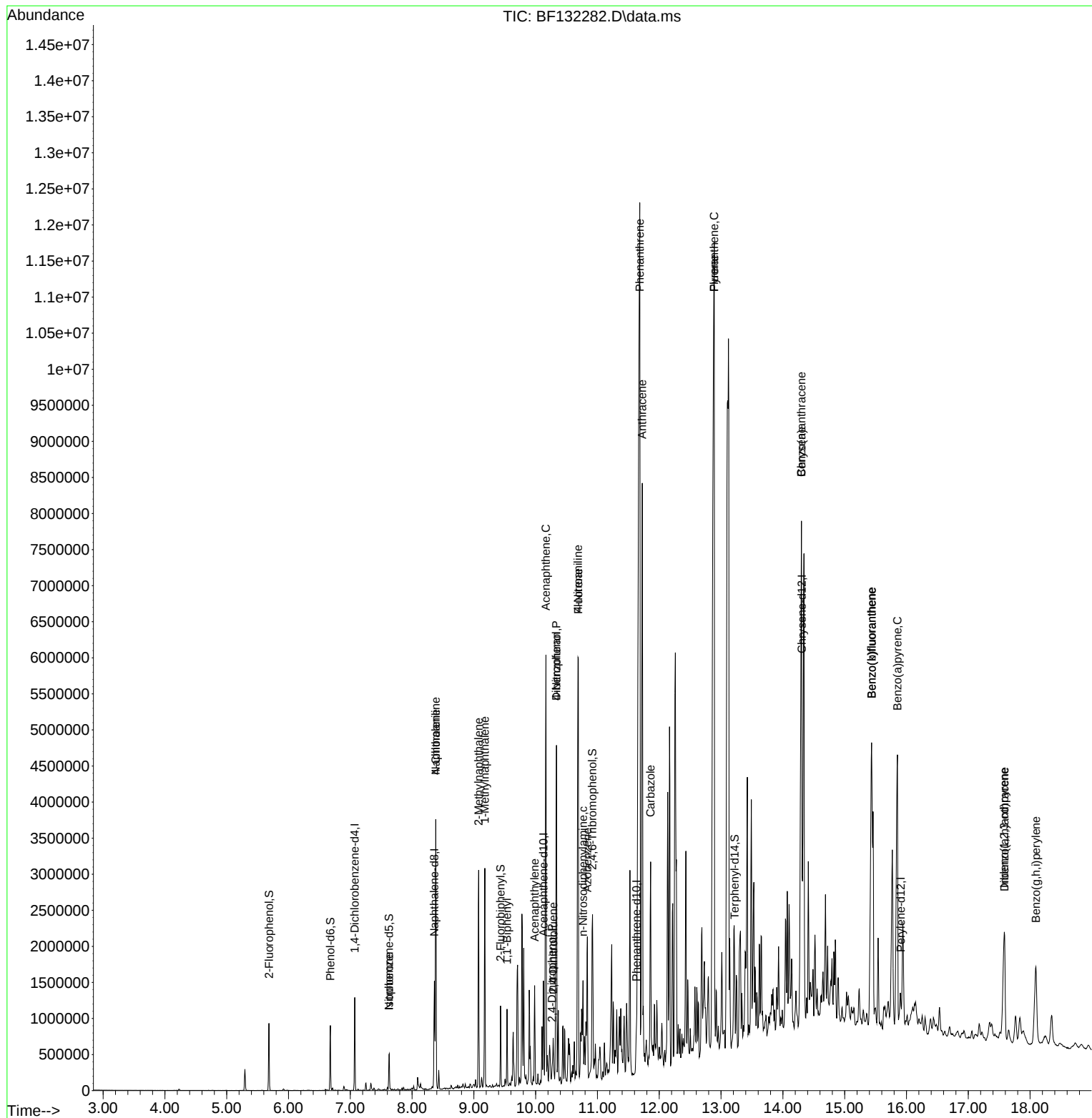
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.072	152	178489	20.000	ng	0.00
21) Naphthalene-d8	8.360	136	651935	20.000	ng	0.00
39) Acenaphthene-d10	10.125	164	292690	20.000	ng	0.00
64) Phenanthrene-d10	11.631	188	460167	20.000	ng	0.00
76) Chrysene-d12	14.307	240	208062	20.000	ng	0.02
86) Perylene-d12	15.907	264	211442	20.000	ng	# 0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.684	112	258490	23.279	ng	0.00
7) Phenol-d6	6.678	99	305340	22.304	ng	0.00
23) Nitrobenzene-d5	7.625	82	163542	13.959	ng	-0.01
42) 2,4,6-Tribromophenol	10.919	330	60305	20.035	ng	0.00
45) 2-Fluorobiphenyl	9.431	172	301800	15.923	ng	0.00
79) Terphenyl-d14	13.219	244	232084	21.577	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.625	77	650	Below Cal	#	1
25) Isophorone	7.625	82	162751	7.319	ng	# 64
31) Naphthalene	8.384	128	1539585	47.977	ng	99
33) 4-Chloroaniline	8.384	127	204163	14.347	ng	# 32
37) 2-Methylnaphthalene	9.078	142	777614	35.774	ng	99
38) 1-Methylnaphthalene	9.178	142	760692	37.658	ng	100
46) 1,1'-Biphenyl	9.537	154	289528	12.831	ng	99
49) Acenaphthylene	9.984	152	342854	12.223	ng	# 94
52) Acenaphthene	10.166	154	1351846	76.982	ng	98
54) 2,4-Dinitrophenol	10.266	184	269	4.424	ng	# 1
55) Dibenzofuran	10.336	168	1735971	70.358	ng	97
56) 4-Nitrophenol	10.336	139	763362	182.939	ng	# 17
57) 2,4-Dinitrotoluene	10.284	165	24860	4.185	ng	# 47
58) Fluorene	10.689	166	1972814	103.894	ng	99
62) 4-Nitroaniline	10.684	138	25667	4.827	ng	# 27
63) Azobenzene	10.836	77	51019	2.572	ng	# 1
66) n-Nitrosodiphenylamine	10.766	169	60596	4.205	ng	# 1
71) Phenanthrene	11.683	178	9213064	383.137	ng	92
72) Anthracene	11.725	178	3599667	147.095	ng	95
73) Carbazole	11.860	167	1050374	47.869	ng	99
75) Fluoranthene	12.889	202	8801091	358.661	ng	93
78) Pyrene	12.889	202	8801091	525.922	ng	92
81) Benzo(a)anthracene	14.301	228	3465452	238.140	ng	94
83) Chrysene	14.301	228	3465452	254.320	ng	98
87) Indeno(1,2,3-cd)pyrene	17.583	276	1314146	93.537	ng	# 90
88) Benzo(b)fluoranthene	15.436	252	4293397	319.444	ng	97
89) Benzo(k)fluoranthene	15.436	252	4293397	334.662	ng	98
90) Benzo(a)pyrene	15.854	252	2435339	194.587	ng	96
91) Dibenzo(a,h)anthracene	17.589	278	319070	28.247	ng	96
92) Benzo(g,h,i)perylene	18.095	276	1196834	102.561	ng	95

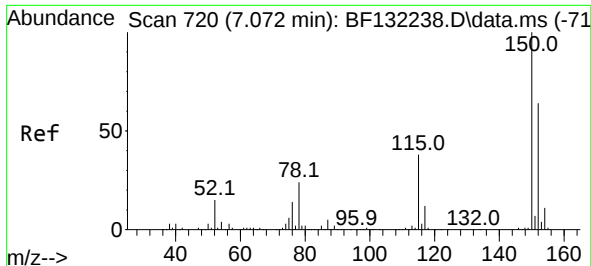
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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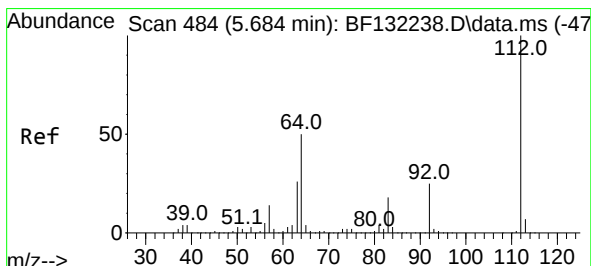
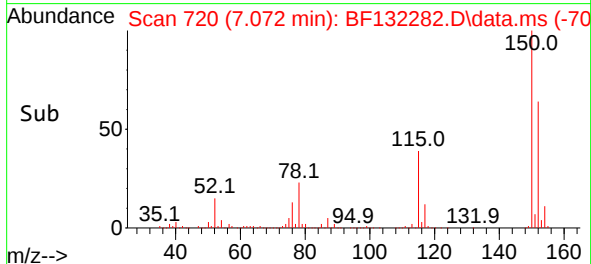
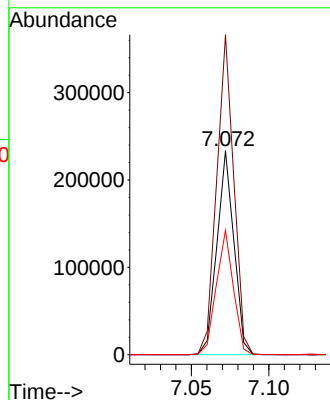
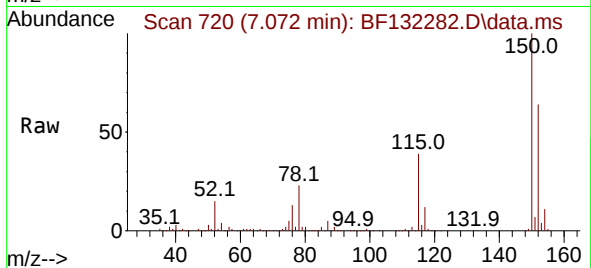




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.072 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

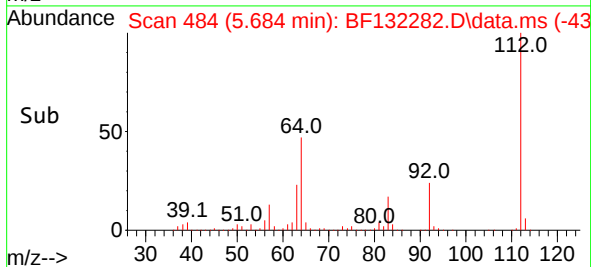
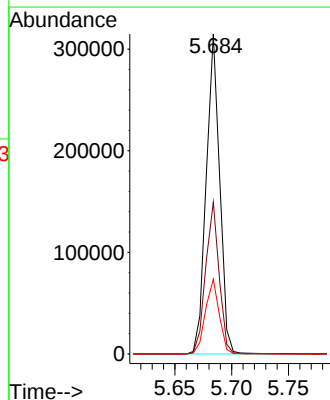
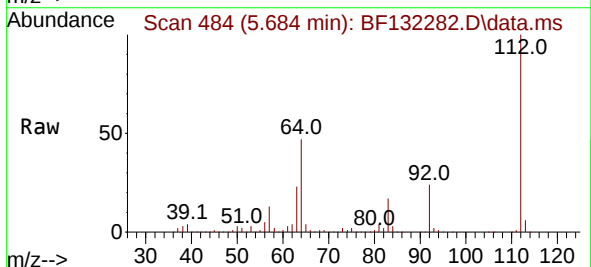
Instrument :
BNA_F
ClientSampleId :
HR-02-013123

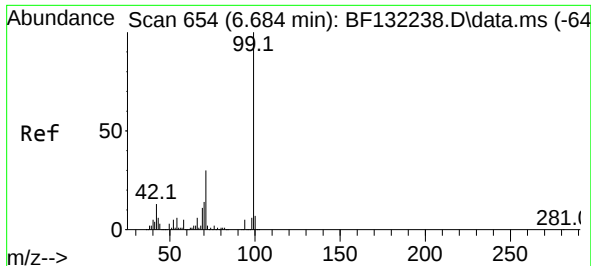
Tgt Ion:152 Resp: 178489
Ion Ratio Lower Upper
152 100
150 156.8 124.2 186.2
115 60.9 47.3 70.9



#5
2-Fluorophenol
Concen: 23.279 ng
RT: 5.684 min Scan# 484
Delta R.T. -0.000 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

Tgt Ion:112 Resp: 258490
Ion Ratio Lower Upper
112 100
64 47.4 40.0 60.0
63 23.4 20.5 30.7

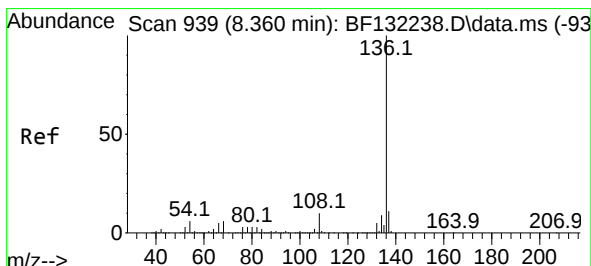
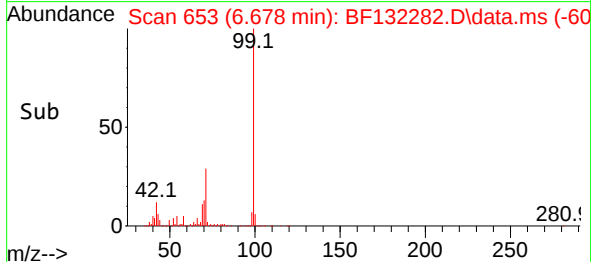
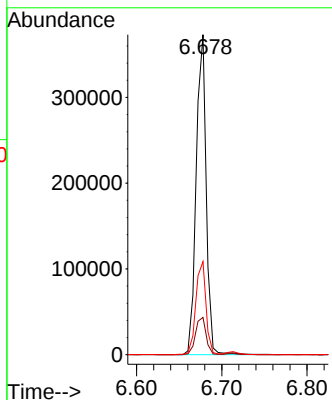
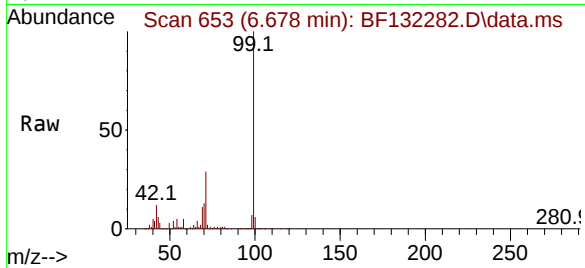




#7
Phenol-d6
Concen: 22.304 ng
RT: 6.678 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

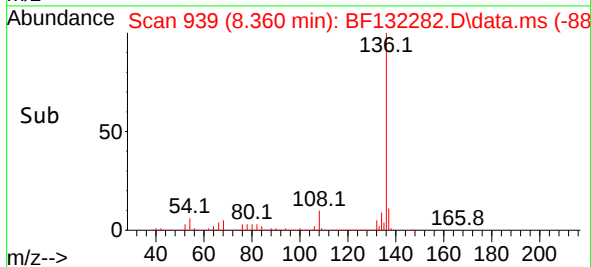
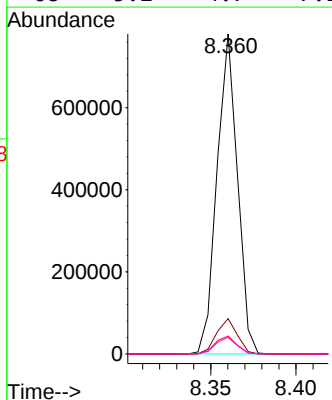
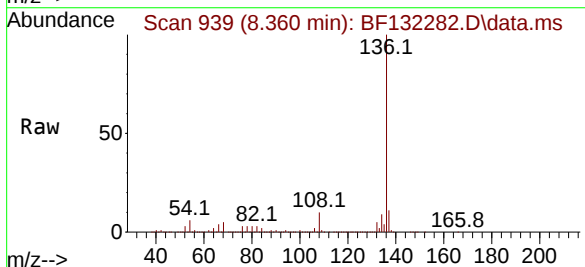
Instrument :
BNA_F
ClientSampleId :
HR-02-013123

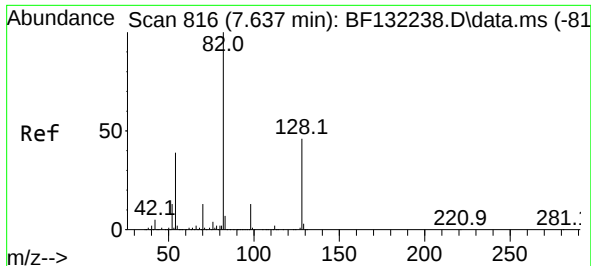
Tgt Ion: 99 Resp: 305340
Ion Ratio Lower Upper
99 100
42 11.6 10.1 15.1
71 29.1 24.2 36.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.360 min Scan# 939
Delta R.T. -0.000 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

Tgt Ion: 136 Resp: 651935
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 5.6 4.9 7.3
68 5.2 4.7 7.1

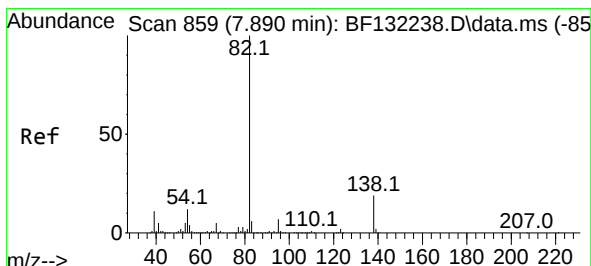
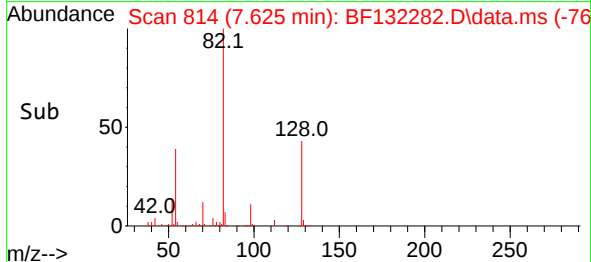
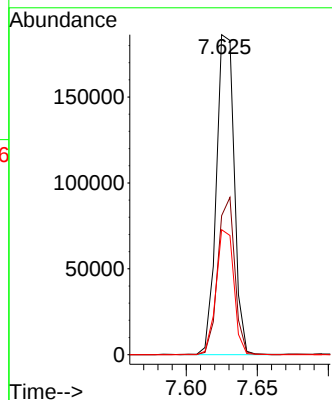
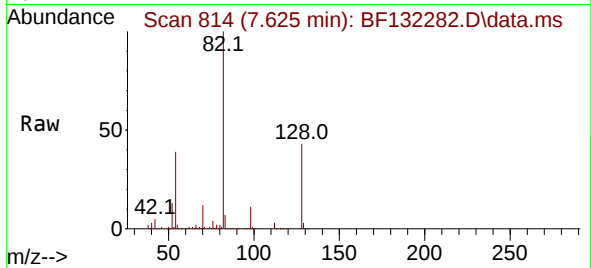




#23
Nitrobenzene-d5
Concen: 13.959 ng
RT: 7.625 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

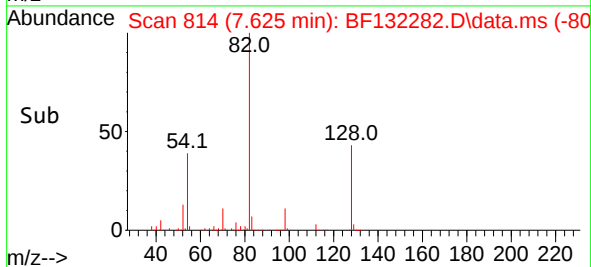
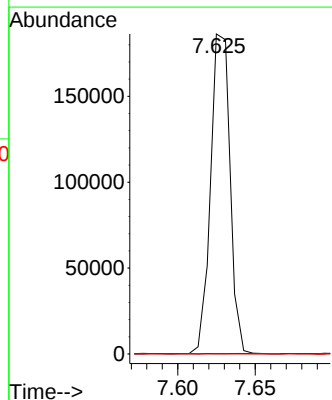
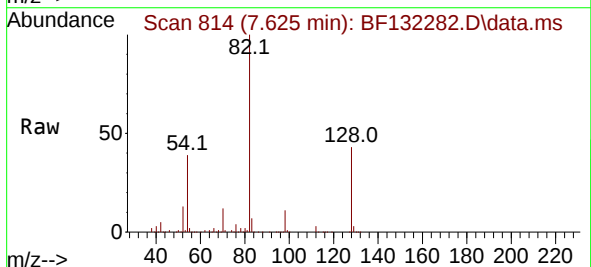
Instrument :
BNA_F
ClientSampleId :
HR-02-013123

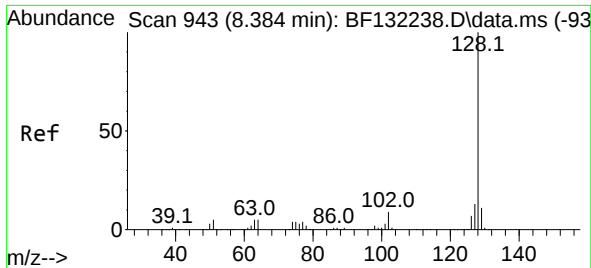
Tgt Ion: 82 Resp: 163542
Ion Ratio Lower Upper
82 100
128 43.5 37.0 55.4
54 39.1 31.5 47.3



#25
Isophorone
Concen: 7.319 ng
RT: 7.625 min Scan# 814
Delta R.T. -0.265 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

Tgt Ion: 82 Resp: 162751
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 15.0 22.6#

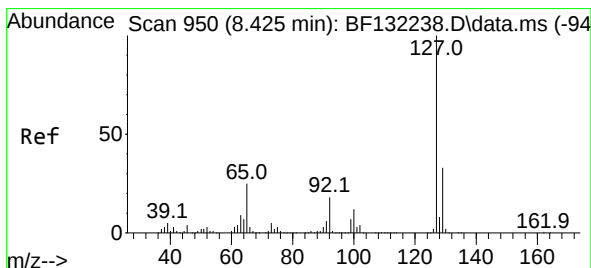
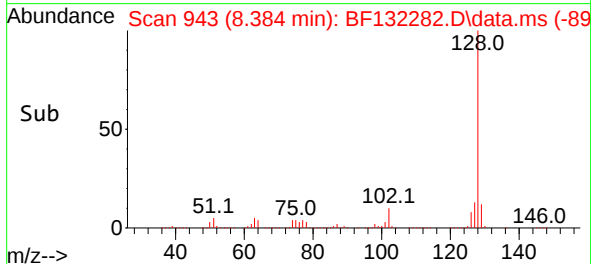
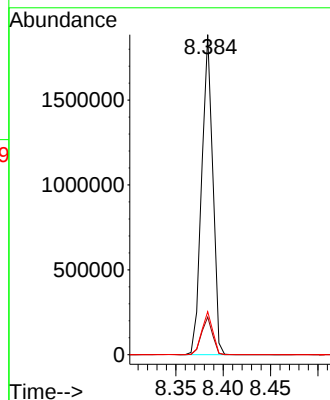
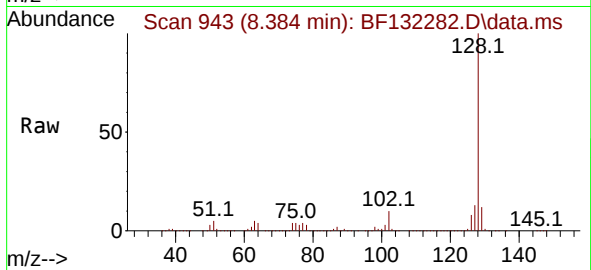




#31
Naphthalene
Concen: 47.977 ng
RT: 8.384 min Scan# 943
Delta R.T. -0.000 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

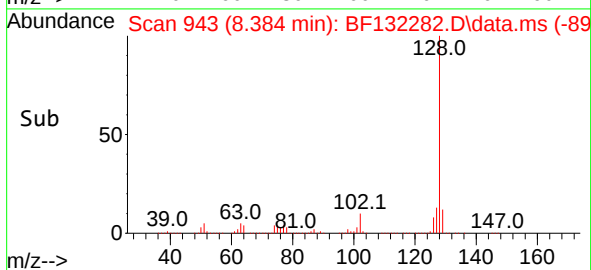
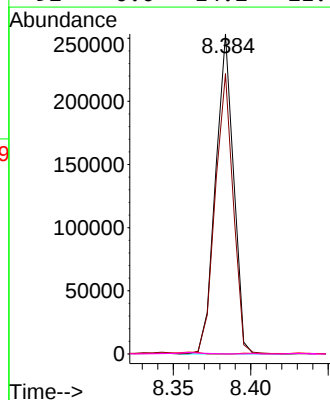
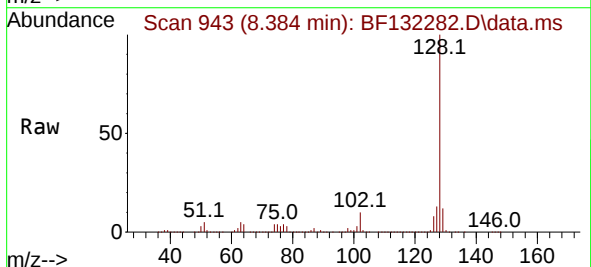
Instrument :
BNA_F
ClientSampleId :
HR-02-013123

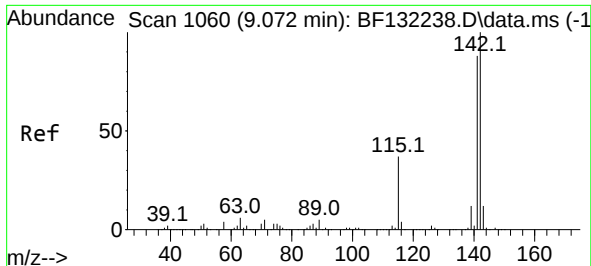
Tgt Ion:128 Resp: 1539585
Ion Ratio Lower Upper
128 100
129 11.8 9.0 13.4
127 13.4 10.5 15.7



#33
4-Chloroaniline
Concen: 14.347 ng
RT: 8.384 min Scan# 943
Delta R.T. -0.041 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

Tgt Ion:127 Resp: 204163
Ion Ratio Lower Upper
127 100
129 87.6 26.6 39.8#
65 0.0 20.2 30.2#
92 0.0 14.2 21.4#

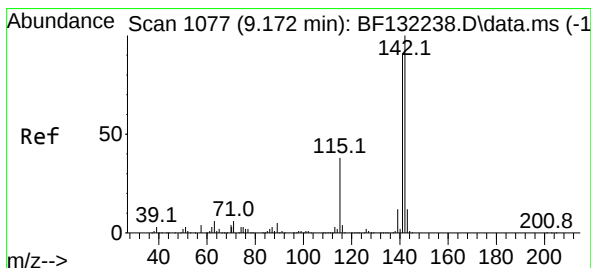
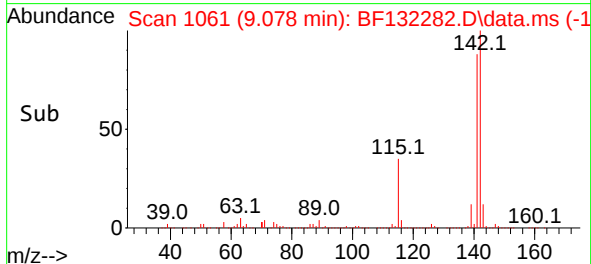
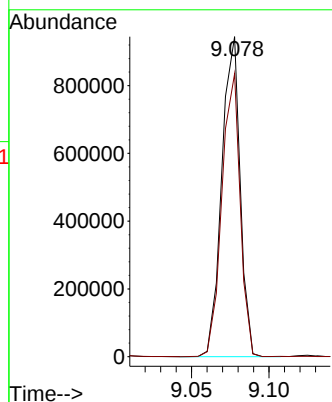
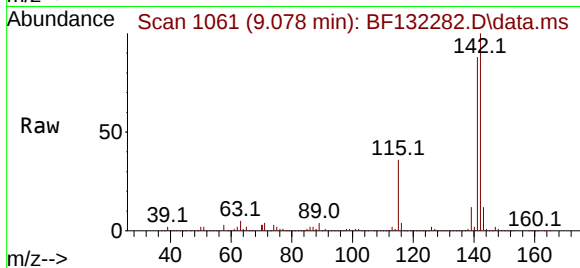




#37
2-Methylnaphthalene
Concen: 35.774 ng
RT: 9.078 min Scan# 1060
Delta R.T. 0.006 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

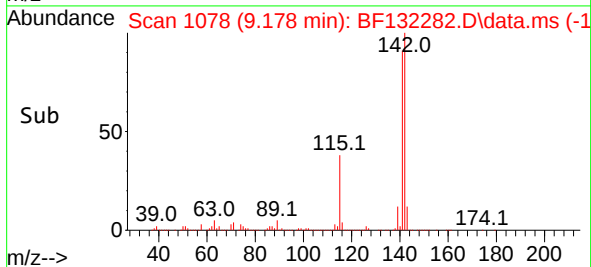
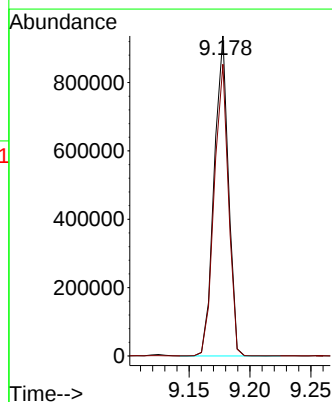
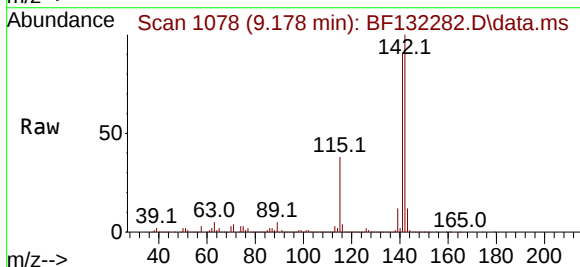
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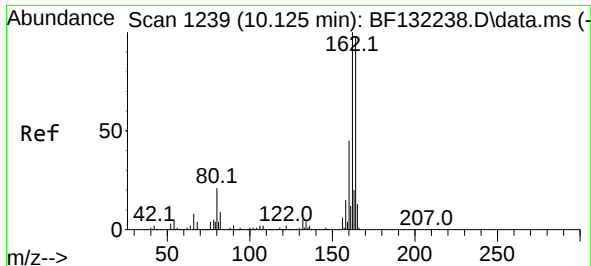
Tgt Ion:142 Resp: 777614
Ion Ratio Lower Upper
142 100
141 88.4 70.1 105.1



#38
1-Methylnaphthalene
Concen: 37.658 ng
RT: 9.178 min Scan# 1078
Delta R.T. 0.006 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

Tgt Ion:142 Resp: 760692
Ion Ratio Lower Upper
142 100
141 91.2 72.6 108.8

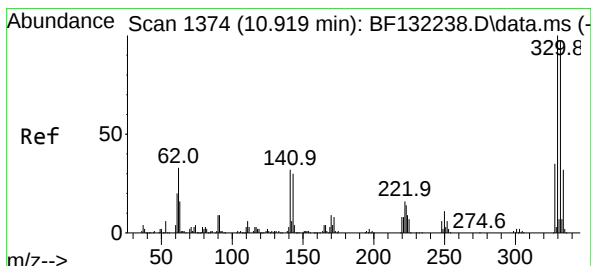
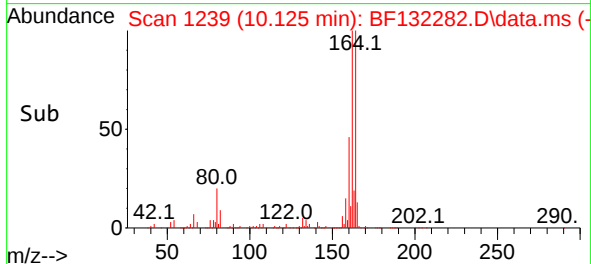
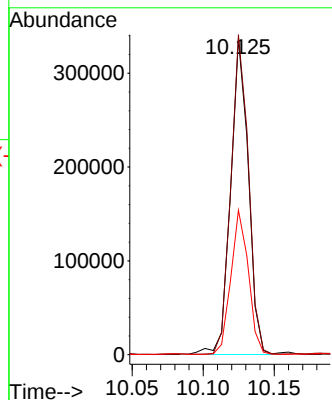
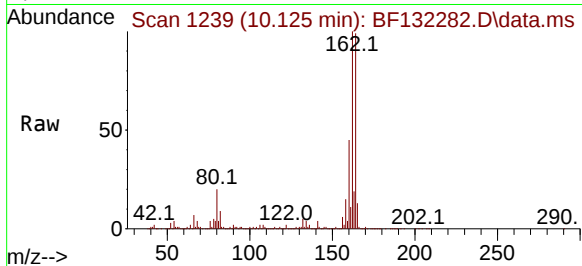




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.125 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

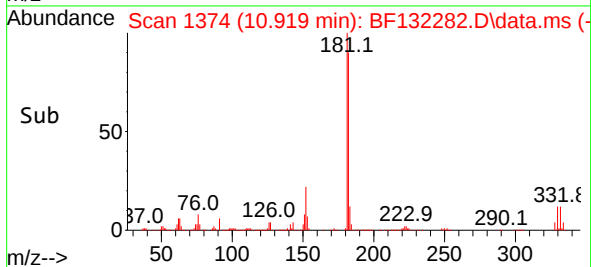
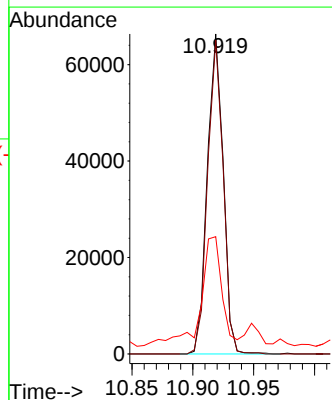
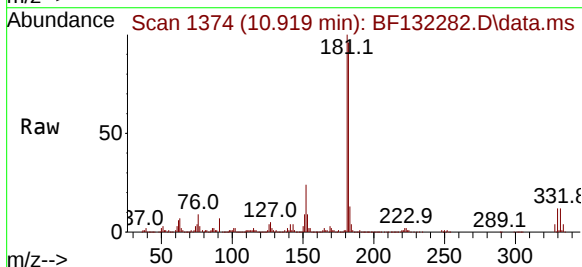
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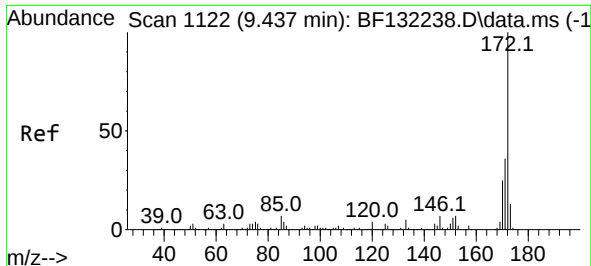
Tgt Ion:164 Resp: 292690
Ion Ratio Lower Upper
164 100
162 101.4 82.0 123.0
160 45.8 37.1 55.7



#42
2,4,6-Tribromophenol
Concen: 20.035 ng
RT: 10.919 min Scan# 1374
Delta R.T. -0.000 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

Tgt Ion:330 Resp: 60305
Ion Ratio Lower Upper
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332 96.3 77.9 116.9
141 46.3 31.0 46.4

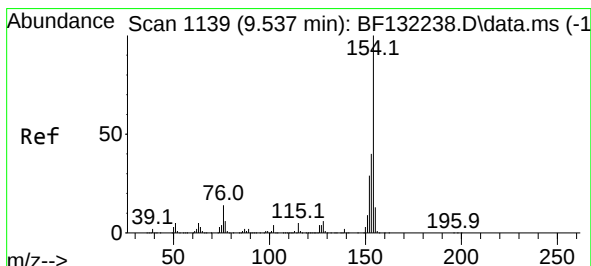
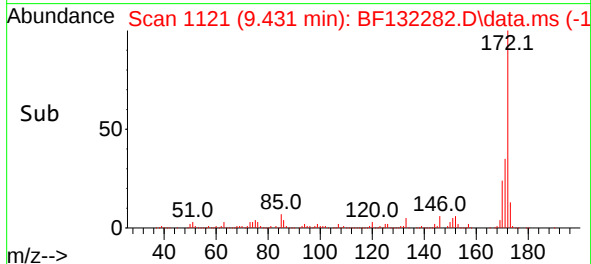
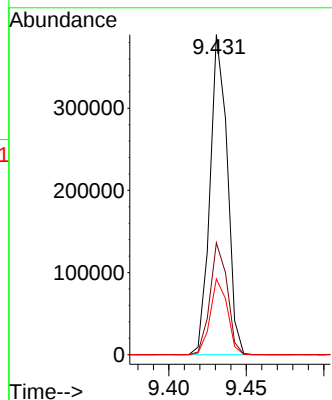
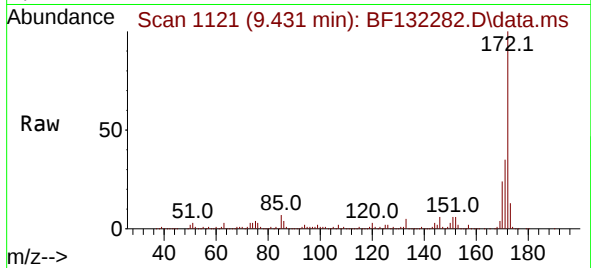




#45
2-Fluorobiphenyl
Concen: 15.923 ng
RT: 9.431 min Scan# 1122
Delta R.T. -0.006 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

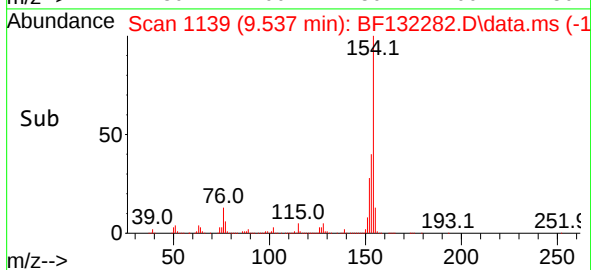
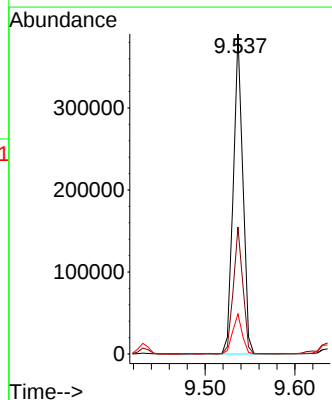
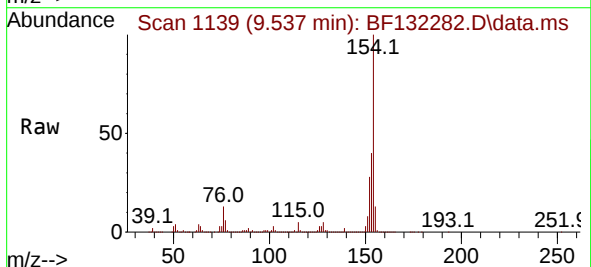
Instrument :
BNA_F
ClientSampleId :
HR-02-013123

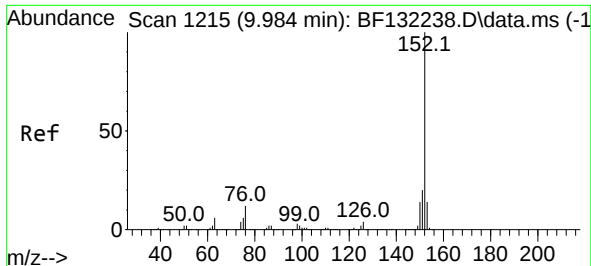
Tgt Ion:172 Resp: 301800
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 23.7 19.7 29.5



#46
1,1'-Biphenyl
Concen: 12.831 ng
RT: 9.537 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

Tgt Ion:154 Resp: 289528
Ion Ratio Lower Upper
154 100
153 39.7 19.9 59.9
76 12.5 0.0 34.0





#49

Acenaphthylene

Concen: 12.223 ng

RT: 9.984 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF132282.D

Acq: 02 Feb 2023 02:54

Instrument :

BNA_F

ClientSampleId :

HR-02-013123

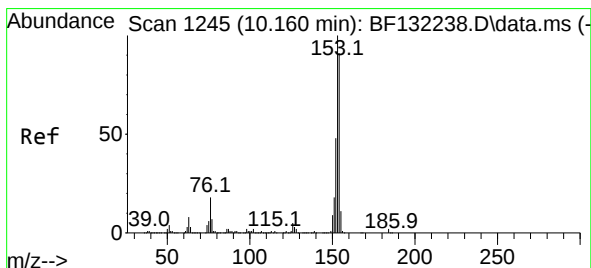
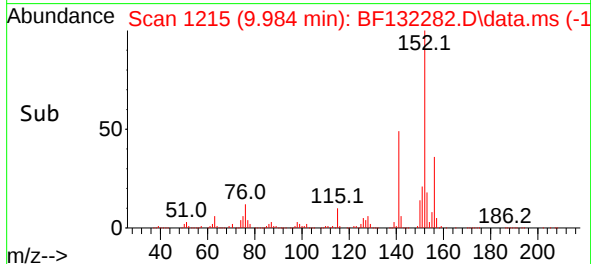
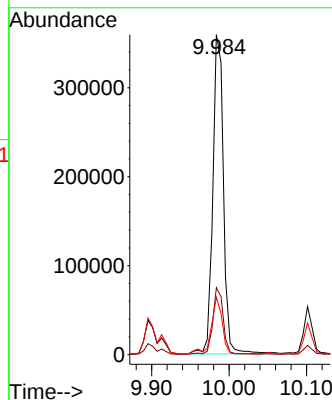
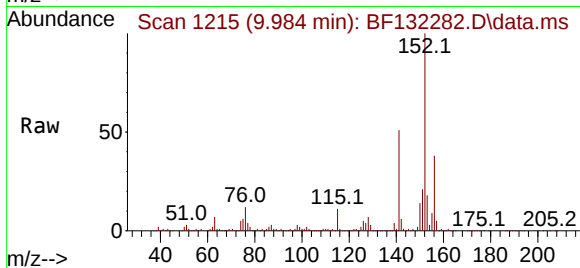
Tgt Ion:152 Resp: 342854

Ion Ratio Lower Upper

152 100

151 21.0 15.9 23.9

153 17.9 10.9 16.3#



#52

Acenaphthene

Concen: 76.982 ng

RT: 10.166 min Scan# 1246

Delta R.T. 0.006 min

Lab File: BF132282.D

Acq: 02 Feb 2023 02:54

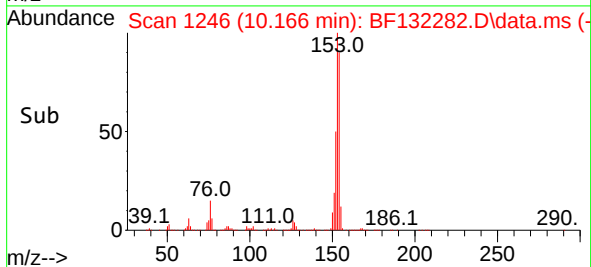
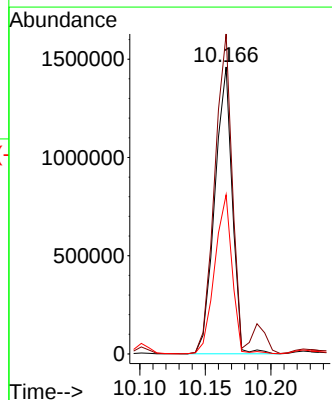
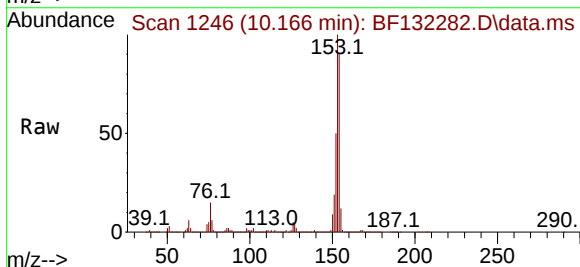
Tgt Ion:154 Resp: 1351846

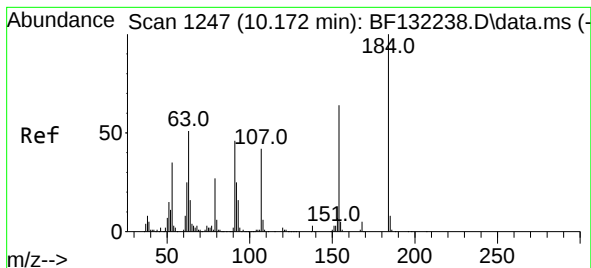
Ion Ratio Lower Upper

154 100

153 111.5 88.3 132.5

152 55.4 42.7 64.1

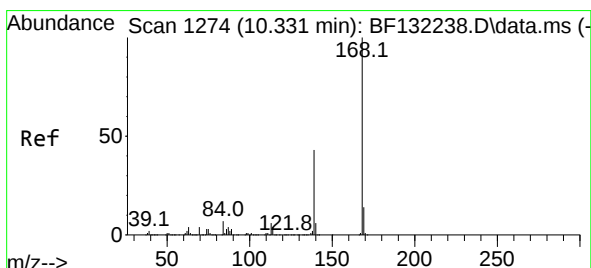
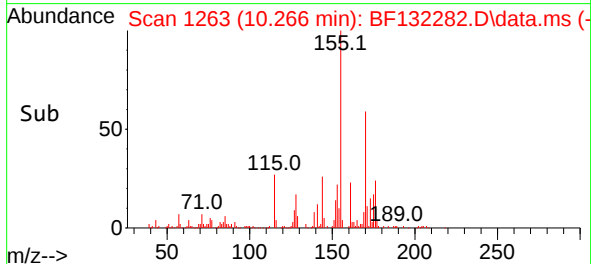
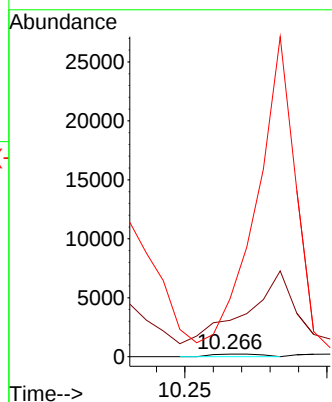
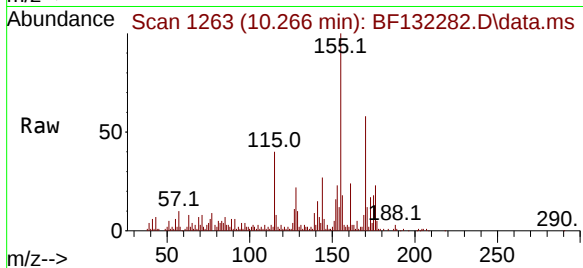




#54
2,4-Dinitrophenol
Concen: 4.424 ng
RT: 10.266 min Scan# 11
Delta R.T. 0.094 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

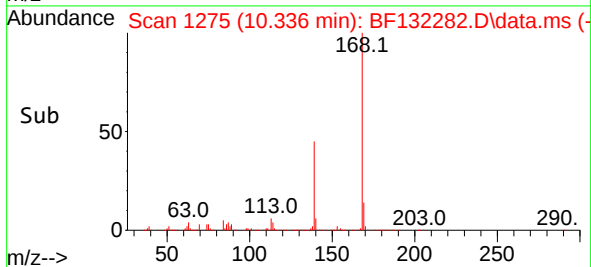
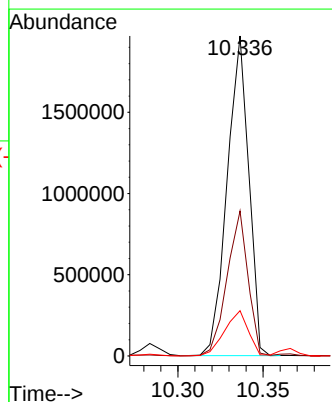
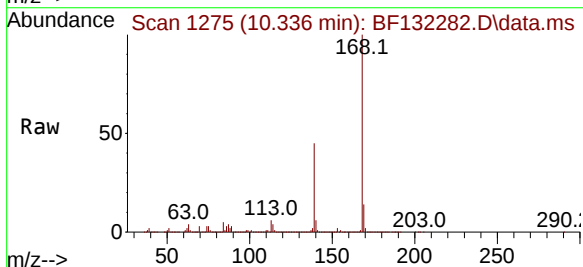
Instrument :
BNA_F
ClientSampleId :
HR-02-013123

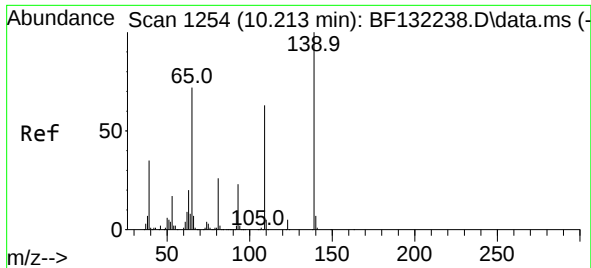
Tgt Ion:184 Resp: 269
Ion Ratio Lower Upper
184 100
63 1395.0 41.6 62.4#
154 2214.5 57.0 85.6#



#55
Dibenzofuran
Concen: 70.358 ng
RT: 10.336 min Scan# 1275
Delta R.T. 0.006 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

Tgt Ion:168 Resp: 1735971
Ion Ratio Lower Upper
168 100
139 45.3 34.2 51.4
169 14.1 11.2 16.8

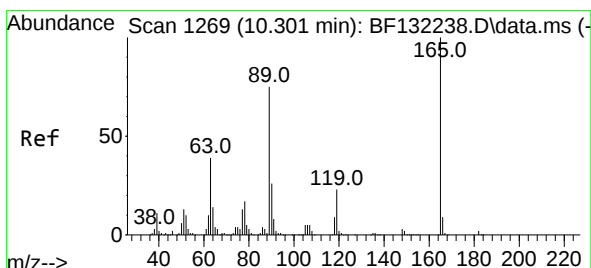
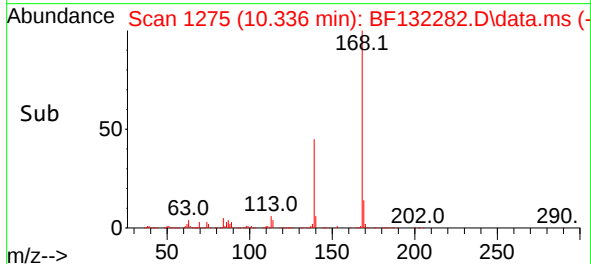
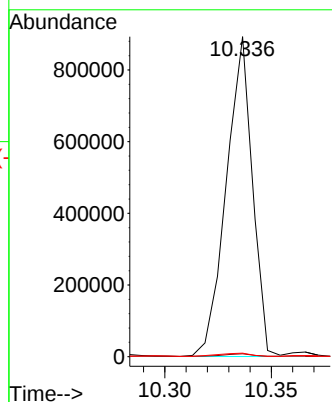
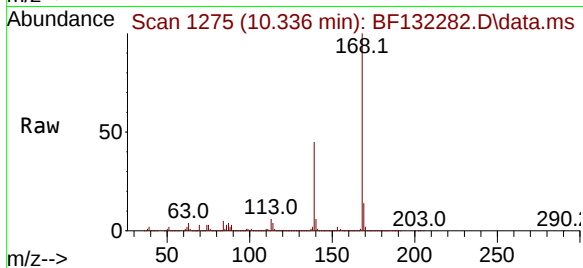




#56
4-Nitrophenol
Concen: 182.939 ng
RT: 10.336 min Scan# 1275
Delta R.T. 0.123 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

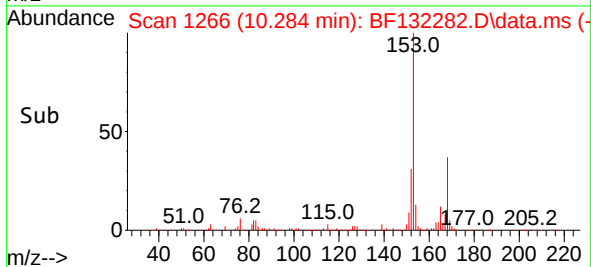
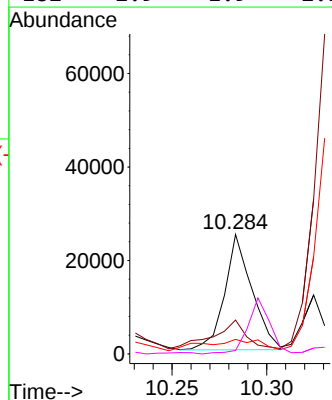
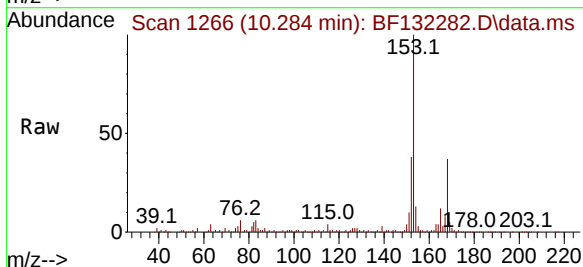
Instrument :
BNA_F
ClientSampleId :
HR-02-013123

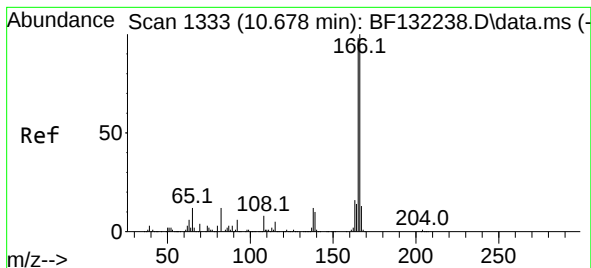
Tgt Ion:139 Resp: 763362
Ion Ratio Lower Upper
139 100
109 0.9 43.3 83.3#
65 1.1 52.3 92.3#



#57
2,4-Dinitrotoluene
Concen: 4.185 ng
RT: 10.284 min Scan# 1266
Delta R.T. -0.018 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

Tgt Ion:165 Resp: 24860
Ion Ratio Lower Upper
165 100
63 28.4 30.9 46.3#
89 12.1 60.1 90.1#
182 2.9 1.9 2.9#





#58

Fluorene

Concen: 103.894 ng

RT: 10.689 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF132282.D

Acq: 02 Feb 2023 02:54

Instrument :

BNA_F

ClientSampleId :

HR-02-013123

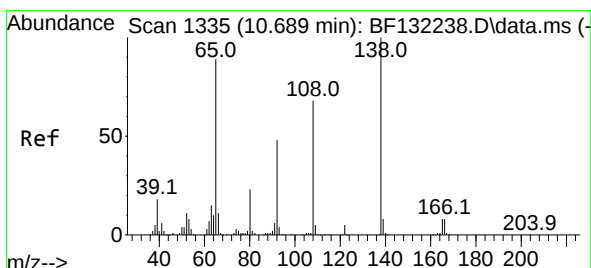
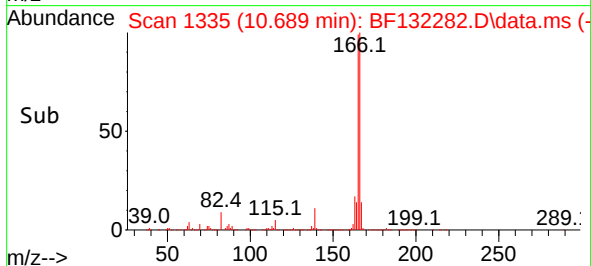
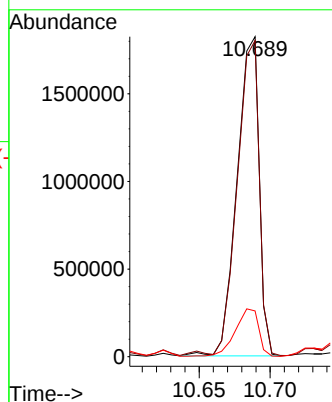
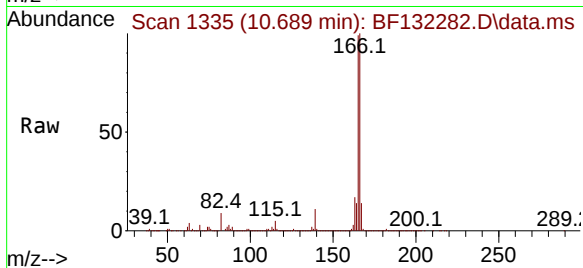
Tgt Ion:166 Resp: 1972814

Ion Ratio Lower Upper

166 100

165 98.8 78.0 117.0

167 14.3 10.8 16.2



#62

4-Nitroaniline

Concen: 4.827 ng

RT: 10.684 min Scan# 1334

Delta R.T. -0.006 min

Lab File: BF132282.D

Acq: 02 Feb 2023 02:54

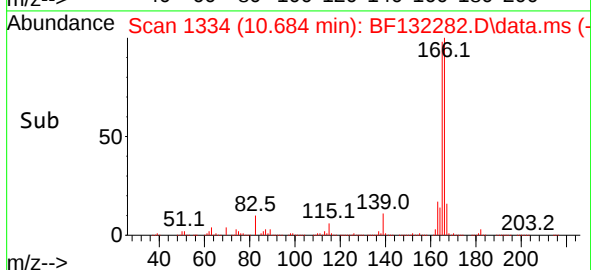
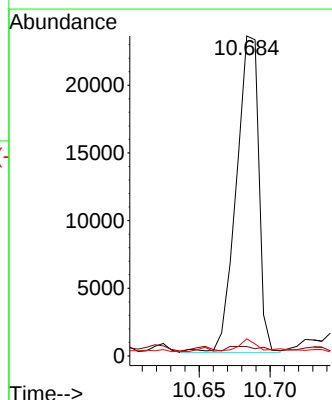
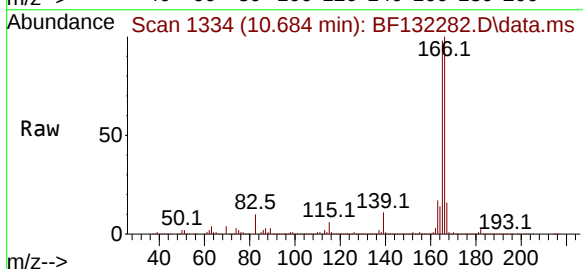
Tgt Ion:138 Resp: 25667

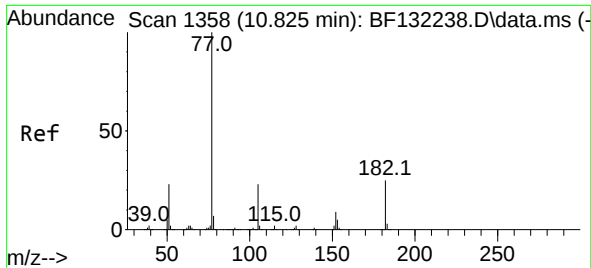
Ion Ratio Lower Upper

138 100

92 2.9 27.7 67.7#

108 5.4 48.5 88.5#

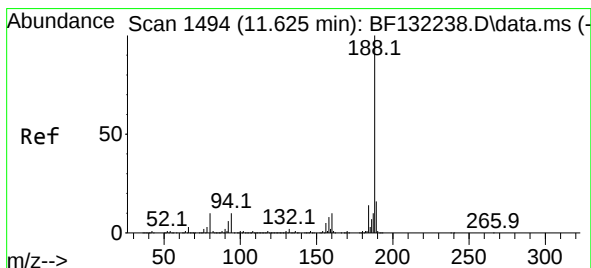
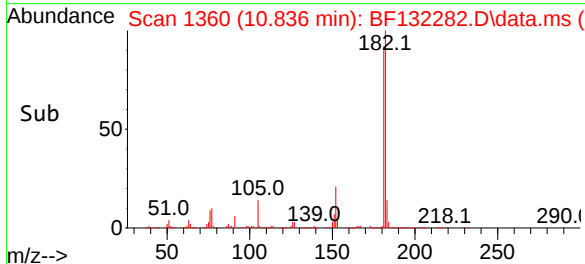
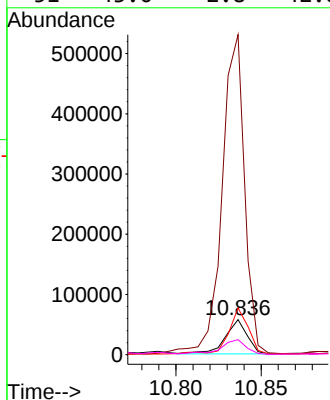
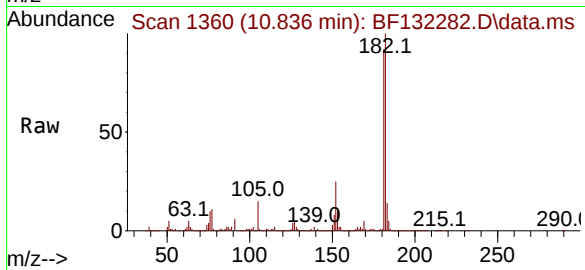




#63
Azobenzene
Concen: 2.572 ng
RT: 10.836 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

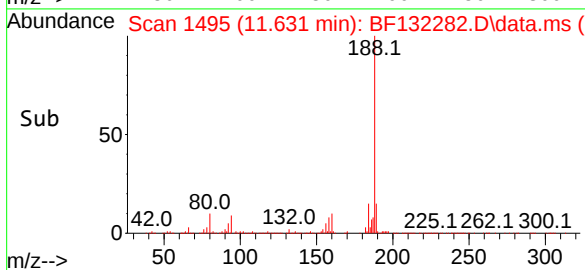
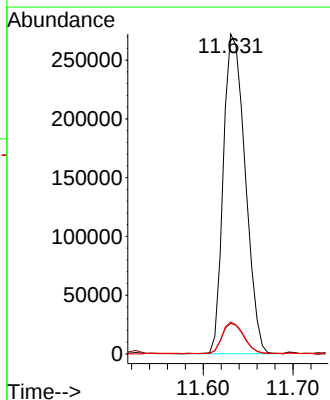
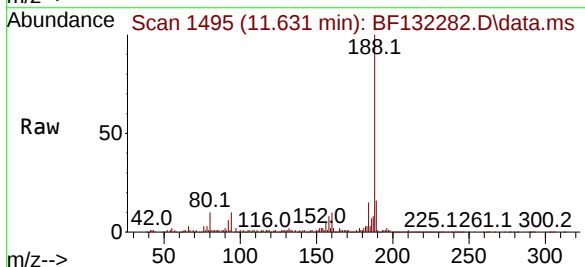
Instrument :
BNA_F
ClientSampleId :
HR-02-013123

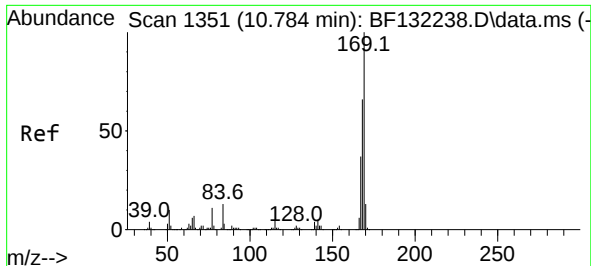
Tgt Ion: 77	Resp: 51019
Ion Ratio	Lower Upper
77 100	
182 913.9	4.5 44.5#
105 133.6	2.7 42.7#
51 43.0	2.8 42.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.631 min Scan# 1495
Delta R.T. 0.006 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

Tgt Ion: 188	Resp: 460167
Ion Ratio	Lower Upper
188 100	
94 9.5	8.2 12.2
80 10.0	8.3 12.5

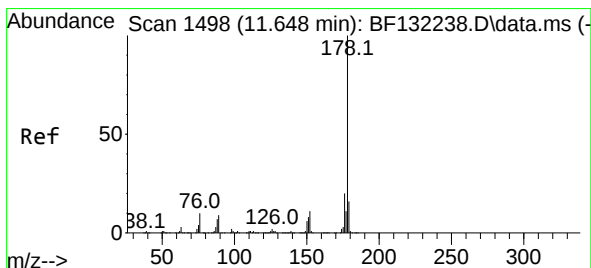
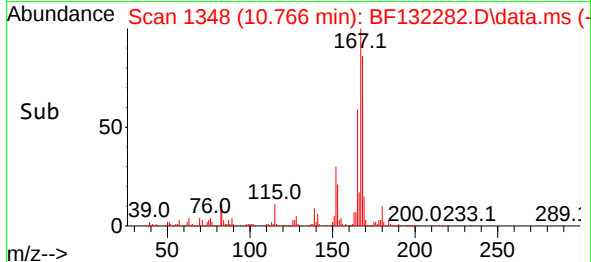
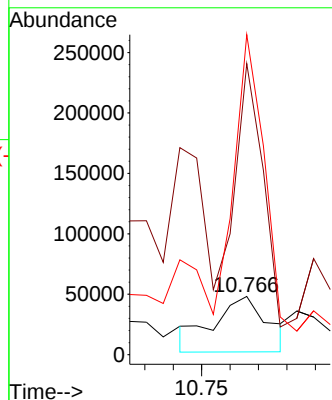
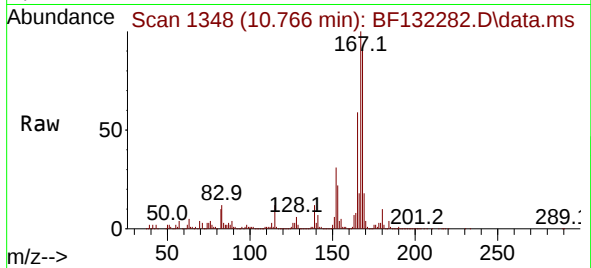




#66
n-Nitrosodiphenylamine
Concen: 4.205 ng
RT: 10.766 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

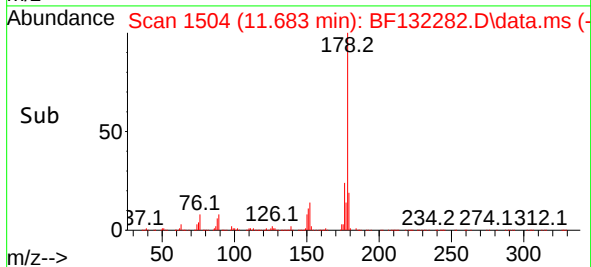
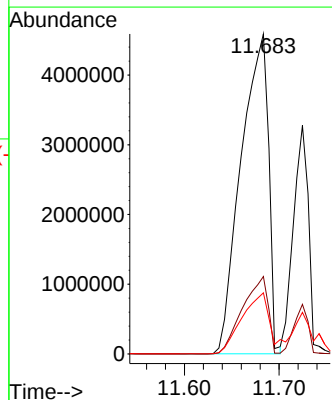
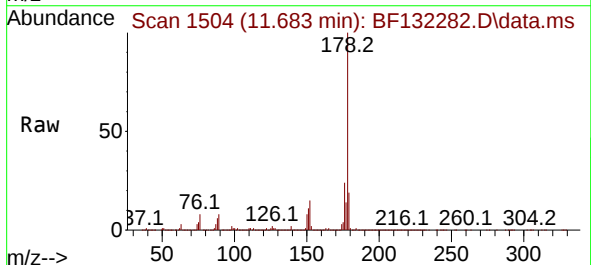
Instrument :
BNA_F
ClientSampleId :
HR-02-013123

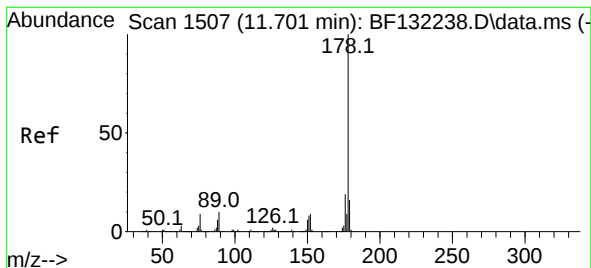
Tgt Ion:169 Resp: 60596
Ion Ratio Lower Upper
169 100
168 500.1 52.6 79.0#
167 549.8 29.5 44.3#



#71
Phenanthrene
Concen: 383.137 ng
RT: 11.683 min Scan# 1504
Delta R.T. 0.035 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

Tgt Ion:178 Resp: 9213064
Ion Ratio Lower Upper
178 100
176 24.2 16.2 24.4
179 19.1 12.8 19.2





#72

Anthracene

Concen: 147.095 ng

RT: 11.725 min Scan# 1511

Delta R.T. 0.023 min

Lab File: BF132282.D

Acq: 02 Feb 2023 02:54

Instrument :

BNA_F

ClientSampleId :

HR-02-013123

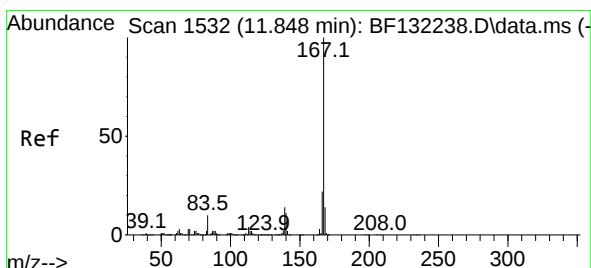
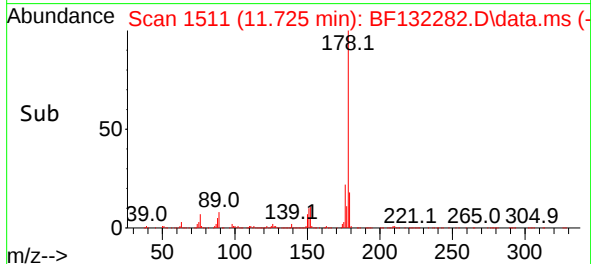
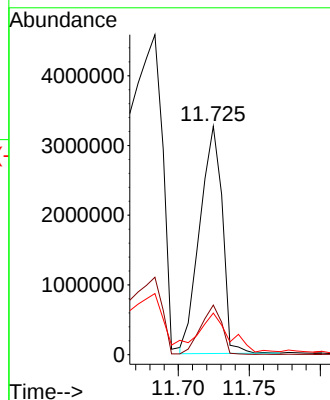
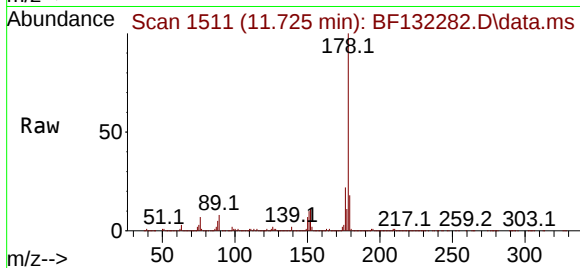
Tgt Ion:178 Resp: 3599667

Ion Ratio Lower Upper

178 100

176 21.7 15.4 23.2

179 18.2 12.8 19.2



#73

Carbazole

Concen: 47.869 ng

RT: 11.860 min Scan# 1534

Delta R.T. 0.012 min

Lab File: BF132282.D

Acq: 02 Feb 2023 02:54

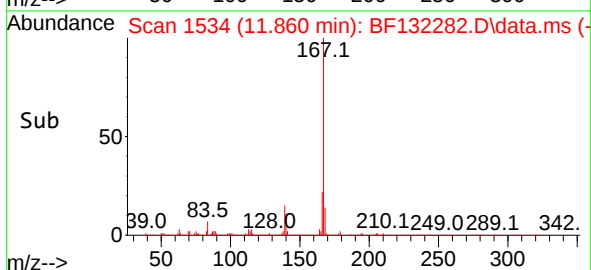
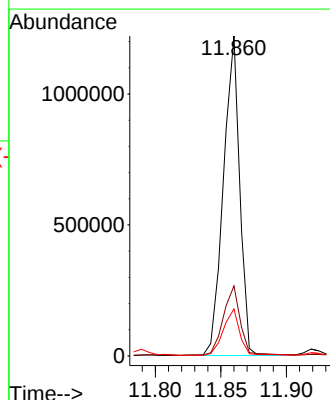
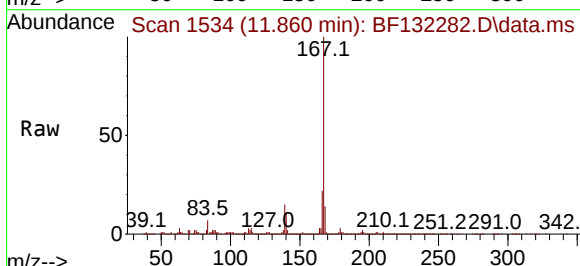
Tgt Ion:167 Resp: 1050374

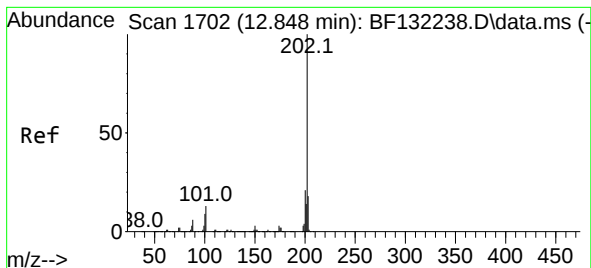
Ion Ratio Lower Upper

167 100

166 21.9 17.4 26.0

139 14.7 11.4 17.2





#75

Fluoranthene

Concen: 358.661 ng

RT: 12.889 min Scan# 11

Delta R.T. 0.041 min

Lab File: BF132282.D

Acq: 02 Feb 2023 02:54

Instrument :

BNA_F

ClientSampleId :

HR-02-013123

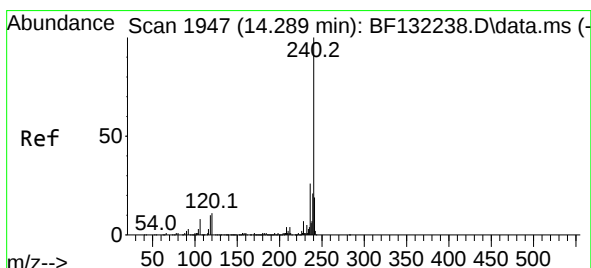
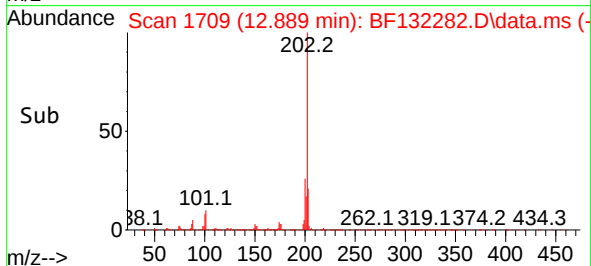
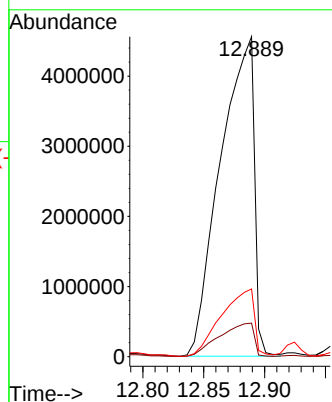
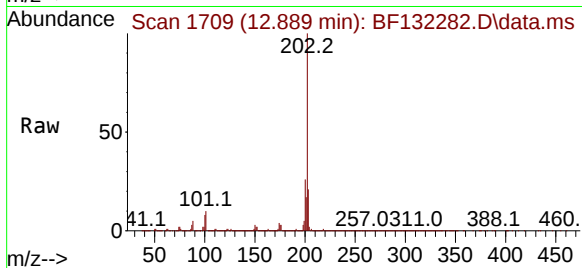
Tgt Ion:202 Resp: 8801091

Ion Ratio Lower Upper

202 100

101 10.5 0.0 32.7

203 21.2 0.0 37.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.307 min Scan# 1950

Delta R.T. 0.018 min

Lab File: BF132282.D

Acq: 02 Feb 2023 02:54

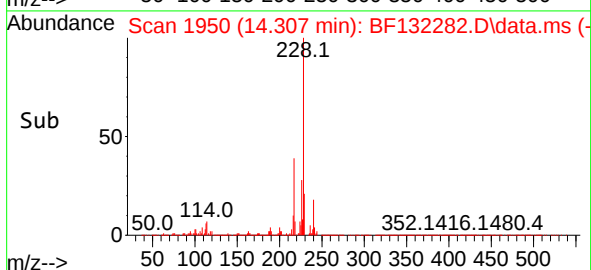
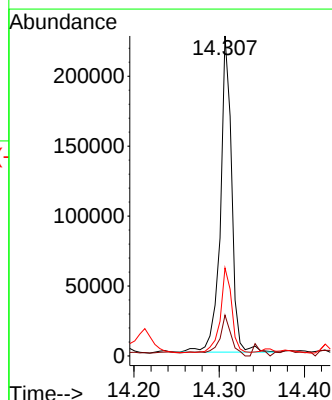
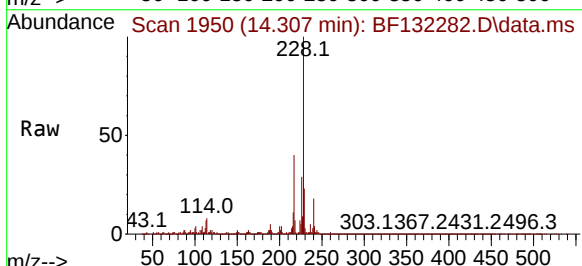
Tgt Ion:240 Resp: 208062

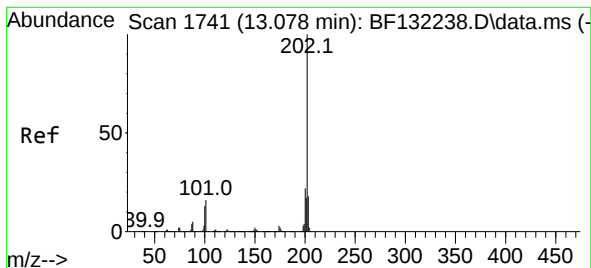
Ion Ratio Lower Upper

240 100

120 12.7 8.8 13.2

236 27.5 21.0 31.6





#78

Pyrene

Concen: 525.922 ng

RT: 12.889 min Scan# 1

Delta R.T. -0.188 min

Lab File: BF132282.D

Acq: 02 Feb 2023 02:54

Instrument :

BNA_F

ClientSampleId :

HR-02-013123

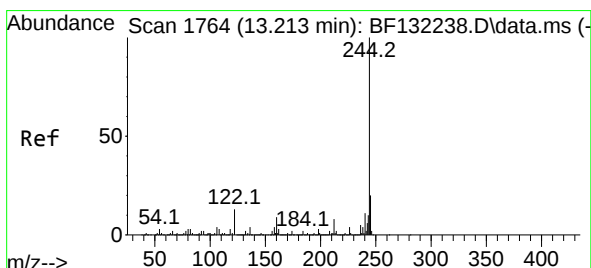
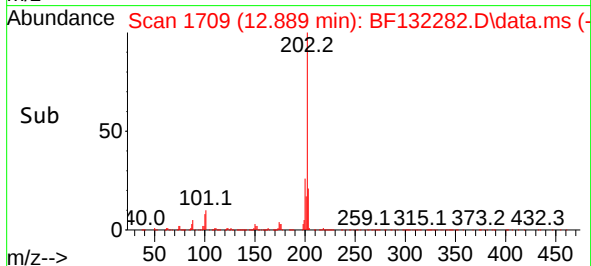
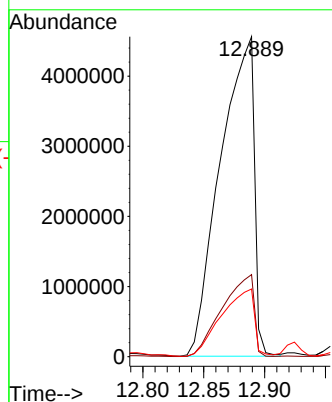
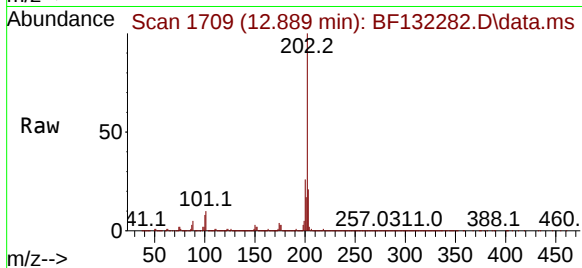
Tgt Ion:202 Resp: 8801091

Ion Ratio Lower Upper

202 100

200 25.6 17.3 25.9

203 21.2 14.4 21.6



#79

Terphenyl-d14

Concen: 21.577 ng

RT: 13.219 min Scan# 1765

Delta R.T. 0.006 min

Lab File: BF132282.D

Acq: 02 Feb 2023 02:54

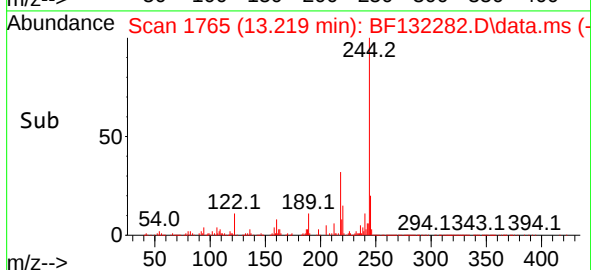
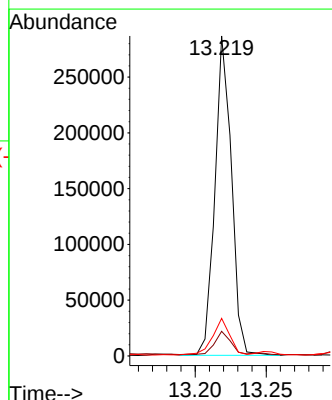
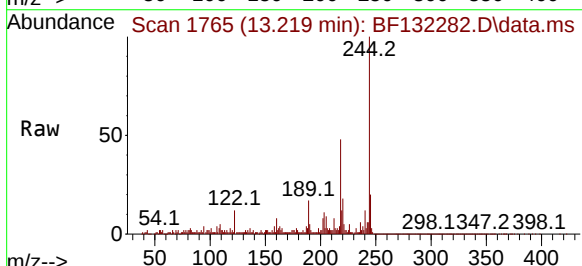
Tgt Ion:244 Resp: 232084

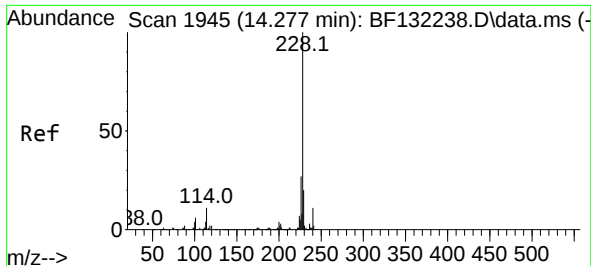
Ion Ratio Lower Upper

244 100

212 7.7 6.4 9.6

122 11.8 10.5 15.7

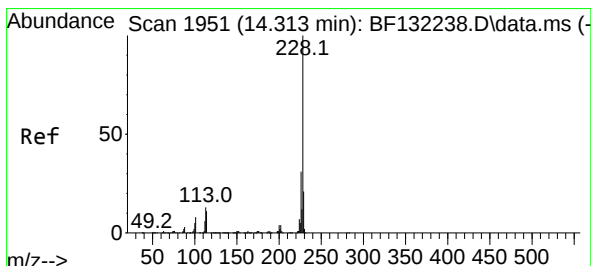
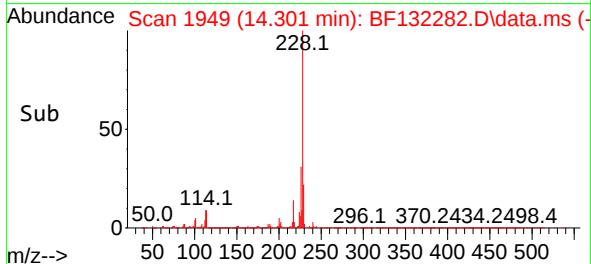
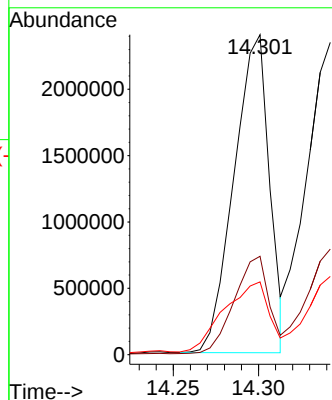
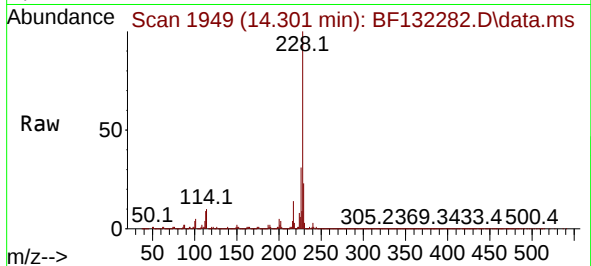




#81
Benzo(a)anthracene
Concen: 238.140 ng
RT: 14.301 min Scan# 1949
Delta R.T. 0.023 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

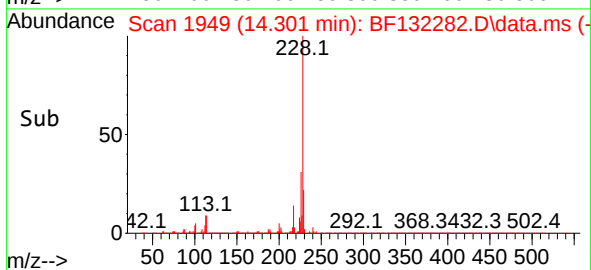
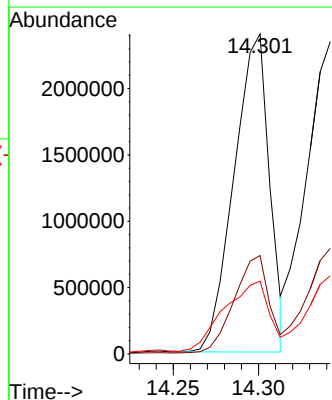
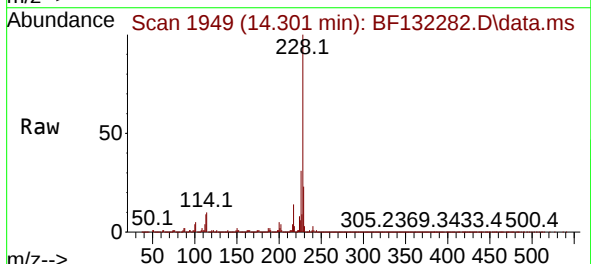
Instrument :
BNA_F
ClientSampleId :
HR-02-013123

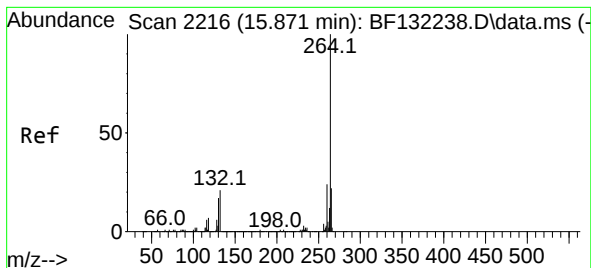
Tgt Ion:228 Resp: 3465452
Ion Ratio Lower Upper
228 100
226 30.8 22.0 33.0
229 22.8 15.8 23.6



#83
Chrysene
Concen: 254.320 ng
RT: 14.301 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BF132282.D
Acq: 02 Feb 2023 02:54

Tgt Ion:228 Resp: 3465452
Ion Ratio Lower Upper
228 100
226 30.8 24.9 37.3
229 22.8 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.907 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF132282.D

Acq: 02 Feb 2023 02:54

Instrument :

BNA_F

ClientSampleId :

HR-02-013123

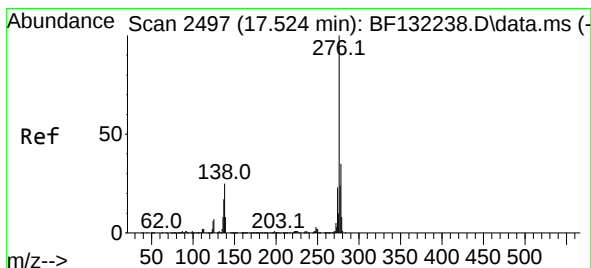
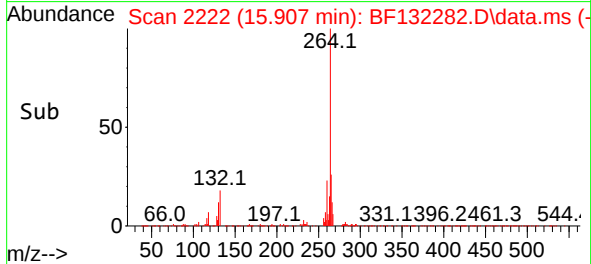
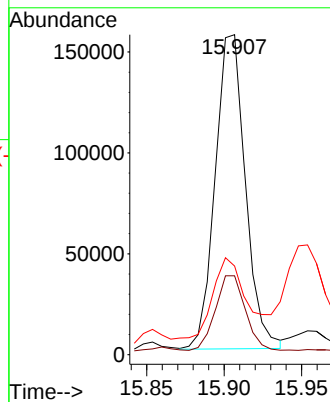
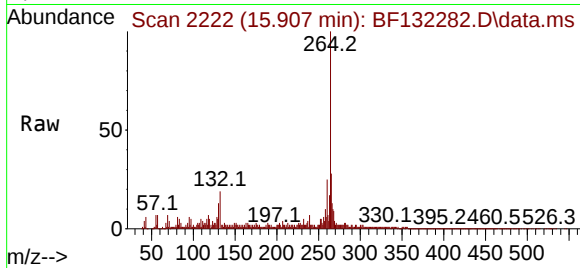
Tgt Ion:264 Resp: 211442

Ion Ratio Lower Upper

264 100

260 24.7 19.0 28.4

265 27.7 17.4 26.2#



#87

Indeno(1,2,3-cd)pyrene

Concen: 93.537 ng

RT: 17.583 min Scan# 2507

Delta R.T. 0.059 min

Lab File: BF132282.D

Acq: 02 Feb 2023 02:54

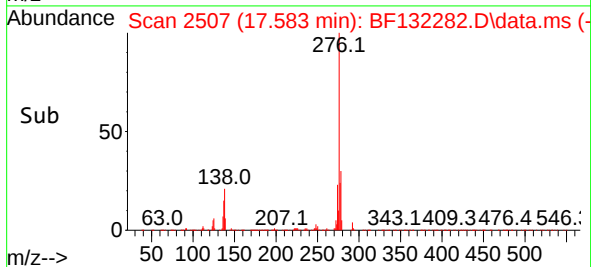
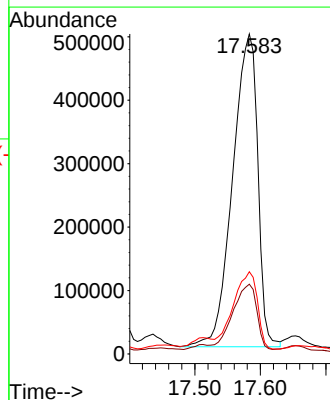
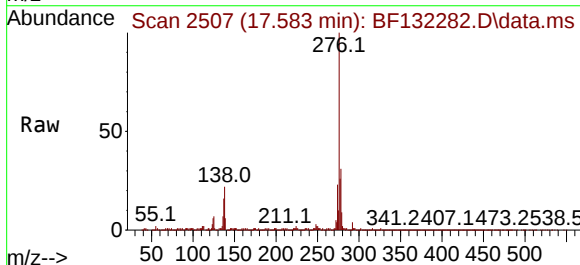
Tgt Ion:276 Resp: 1314146

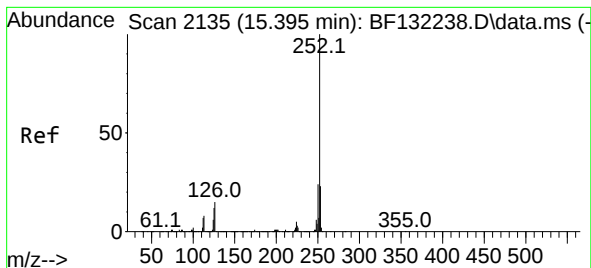
Ion Ratio Lower Upper

276 100

138 19.8 23.3 34.9#

277 23.9 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 319.444 ng

RT: 15.436 min Scan# 2142

Delta R.T. 0.041 min

Lab File: BF132282.D

Acq: 02 Feb 2023 02:54

Instrument :

BNA_F

ClientSampleId :

HR-02-013123

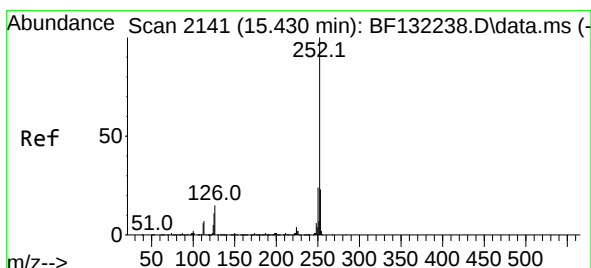
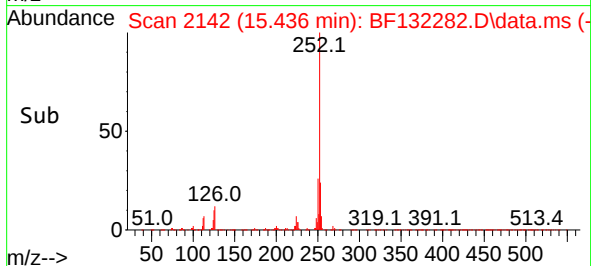
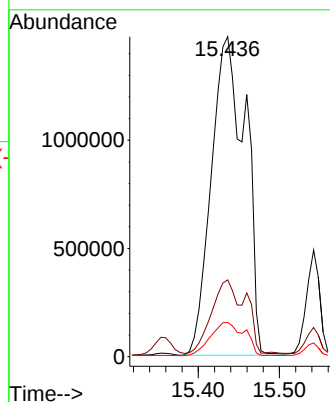
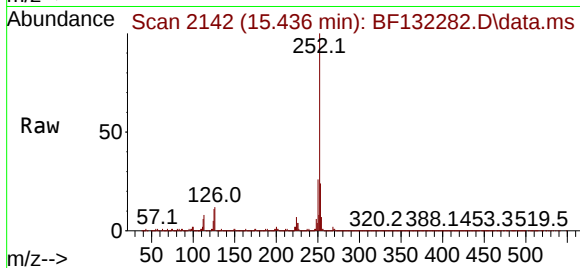
Tgt Ion:252 Resp: 4293397

Ion Ratio Lower Upper

252 100

253 24.0 18.1 27.1

125 10.7 9.6 14.4



#89

Benzo(k)fluoranthene

Concen: 334.662 ng

RT: 15.436 min Scan# 2142

Delta R.T. 0.006 min

Lab File: BF132282.D

Acq: 02 Feb 2023 02:54

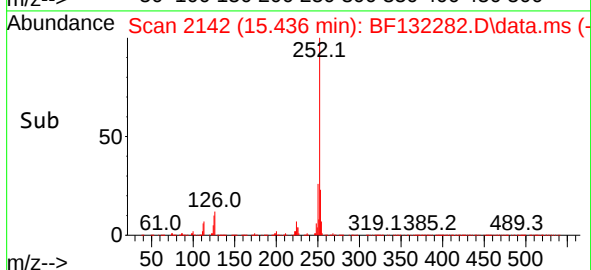
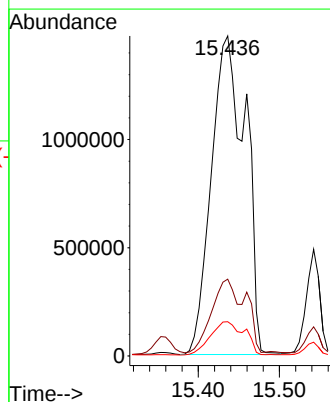
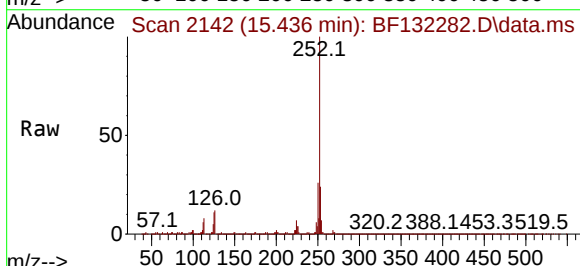
Tgt Ion:252 Resp: 4293397

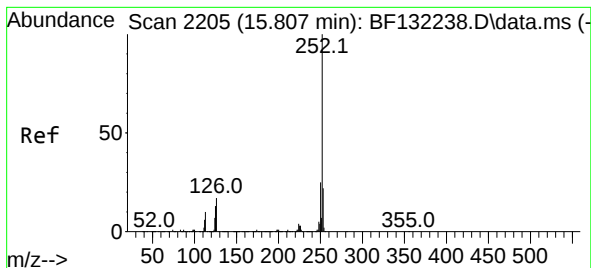
Ion Ratio Lower Upper

252 100

253 24.0 18.2 27.2

125 10.7 9.0 13.6





#90

Benzo(a)pyrene

Concen: 194.587 ng

RT: 15.854 min Scan# 21

Delta R.T. 0.047 min

Lab File: BF132282.D

Acq: 02 Feb 2023 02:54

Instrument :

BNA_F

ClientSampleId :

HR-02-013123

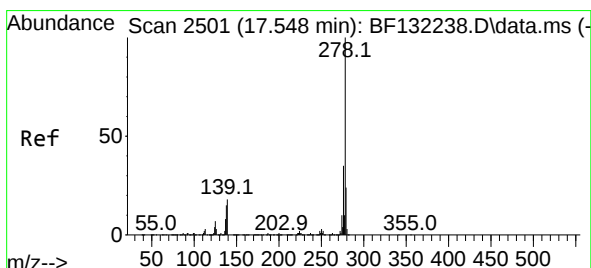
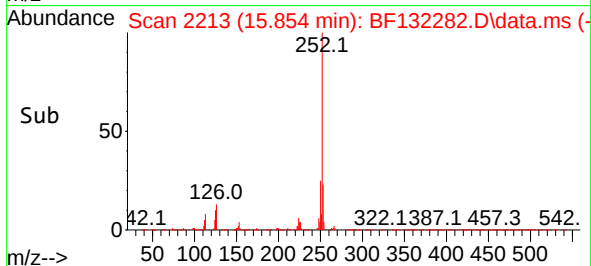
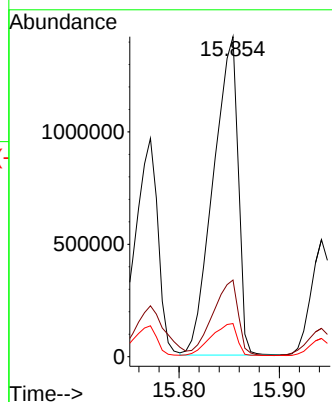
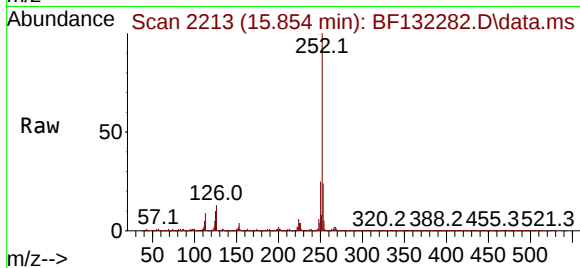
Tgt Ion:252 Resp: 2435339

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.8

125 10.3 10.2 15.4



#91

Dibenzo(a,h)anthracene

Concen: 28.247 ng

RT: 17.589 min Scan# 2508

Delta R.T. 0.041 min

Lab File: BF132282.D

Acq: 02 Feb 2023 02:54

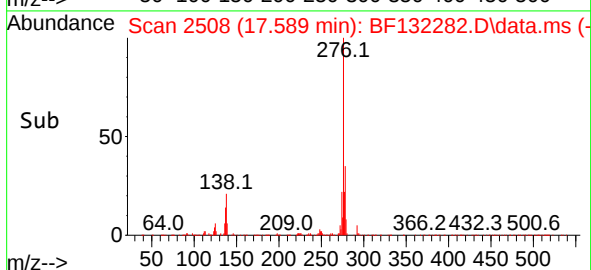
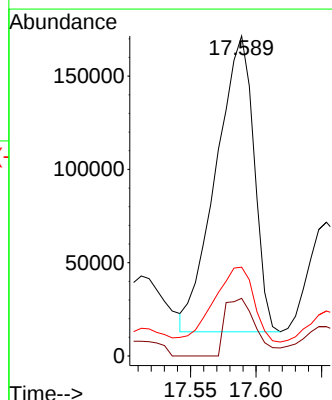
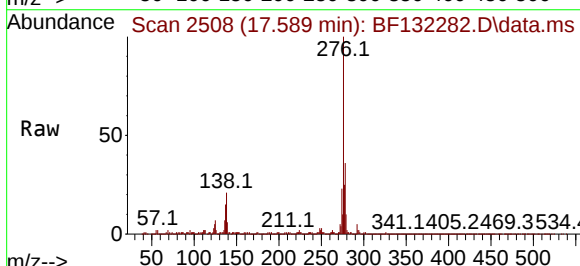
Tgt Ion:278 Resp: 319070

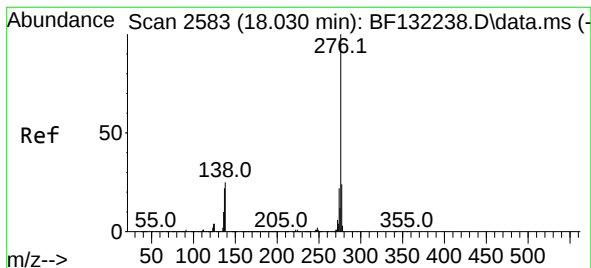
Ion Ratio Lower Upper

278 100

139 18.0 14.2 21.2

279 27.7 19.6 29.4





#92

Benzo(g,h,i)perylene

Concen: 102.561 ng

RT: 18.095 min Scan# 21

Delta R.T. 0.065 min

Lab File: BF132282.D

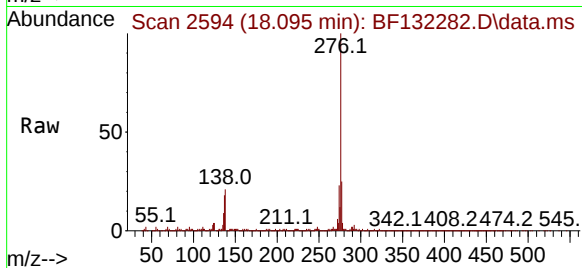
Acq: 02 Feb 2023 02:54

Instrument :

BNA_F

ClientSampleId :

HR-02-013123



Tgt Ion:276 Resp: 1196834

Ion Ratio Lower Upper

276 100

277 24.5 19.4 29.2

138 21.0 20.3 30.5

