

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
 Data File : BF134232.D
 Acq On : 12 Jul 2023 01:45
 Operator : CG\JU
 Sample : 03570-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 12 03:55:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

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

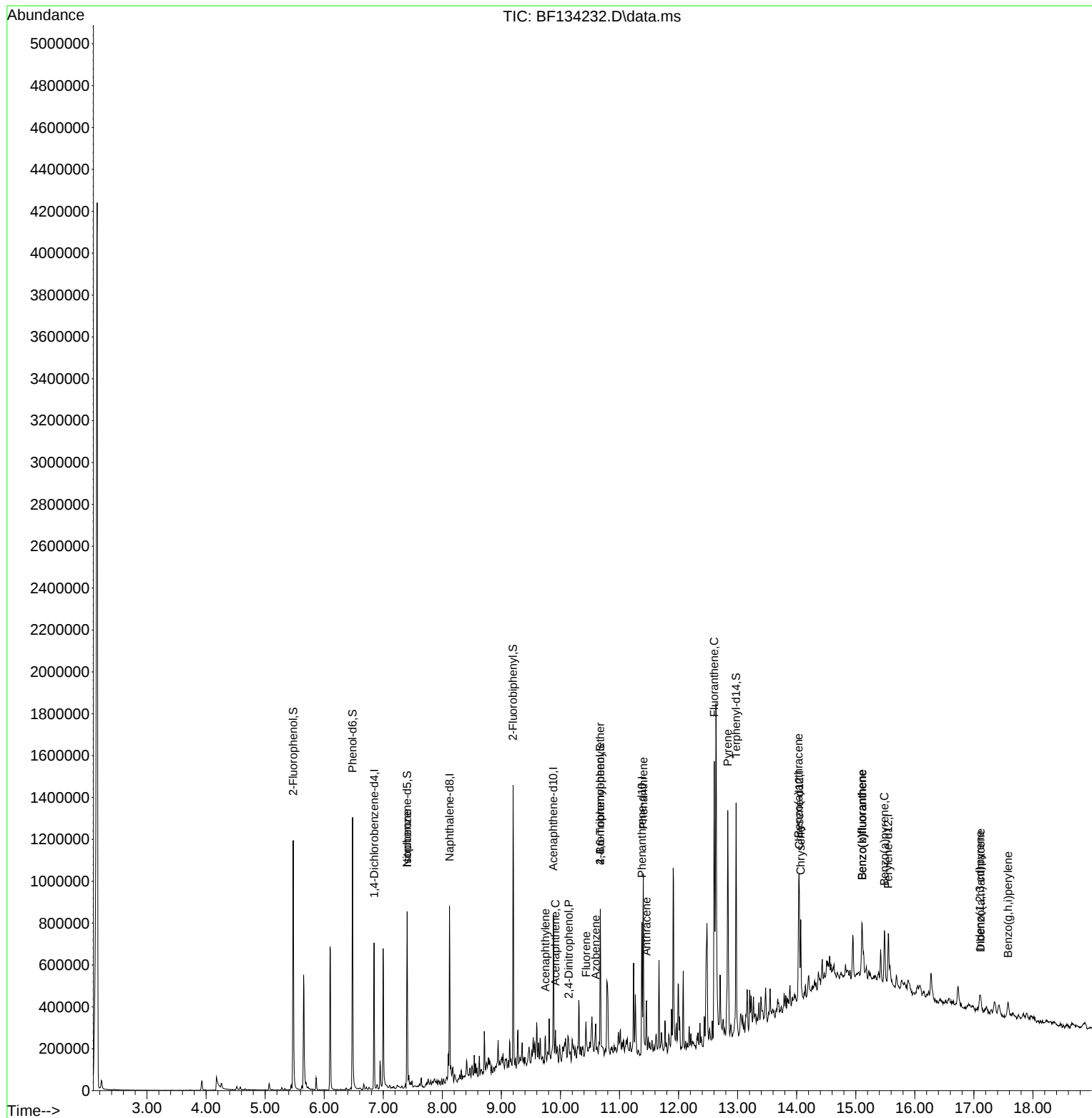
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	93505	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	325031	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	125836	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	227864	20.000	ng	0.00
76) Chrysene-d12	14.045	240	148423	20.000	ng	0.00
86) Perylene-d12	15.551	264	116131	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	314963	56.346	ng	0.00
7) Phenol-d6	6.481	99	363021	52.808	ng	0.00
23) Nitrobenzene-d5	7.404	82	231041	38.317	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	77918	49.386	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	370255	42.779	ng	0.00
79) Terphenyl-d14	12.974	244	351854	38.153	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	412	Below Cal	#	29
25) Isophorone	7.404	82	231041	21.083	ng	# 64
49) Acenaphthylene	9.745	152	34811	2.759	ng	96
52) Acenaphthene	9.916	154	20476	2.797	ng	96
54) 2,4-Dinitrophenol	10.139	184	54	3.909	ng	# 1
58) Fluorene	10.433	166	36874	4.143	ng	96
63) Azobenzene	10.598	77	21327	2.369	ng	# 1
67) 4-Bromophenyl-phenylether	10.674	248	4952	2.045	ng	# 1
71) Phenanthrene	11.404	178	295137	25.729	ng	99
72) Anthracene	11.457	178	93634	7.848	ng	98
75) Fluoranthene	12.604	202	416899	33.617	ng	97
78) Pyrene	12.833	202	441199	31.941	ng	100
81) Benzo(a)anthracene	14.033	228	169636	16.480	ng	95
83) Chrysene	14.068	228	144497	14.493	ng	97
87) Indeno(1,2,3-cd)pyrene	17.103	276	63834	7.921	ng	96
88) Benzo(b)fluoranthene	15.110	252	190251	27.861	ng	# 92
89) Benzo(k)fluoranthene	15.110	252	190251	27.364	ng	# 92
90) Benzo(a)pyrene	15.486	252	108644	16.453	ng	95
91) Dibenzo(a,h)anthracene	17.115	278	16631	2.527	ng	# 64
92) Benzo(g,h,i)perylene	17.580	276	64913	9.564	ng	98

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

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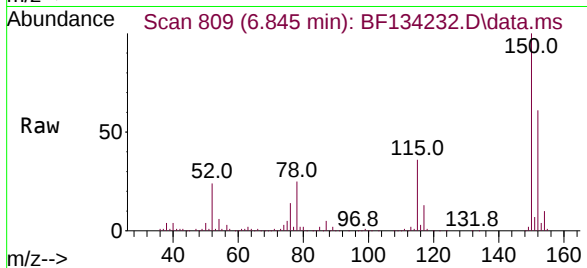
Quant Time: Jul 12 03:55:27 2023
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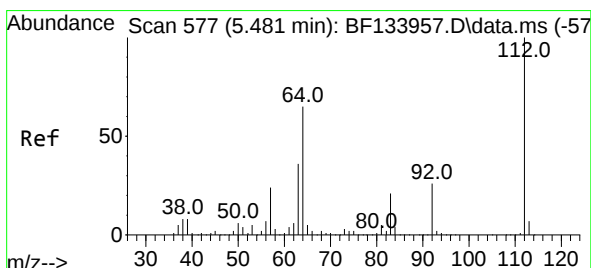
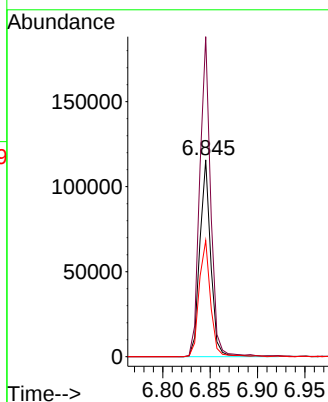
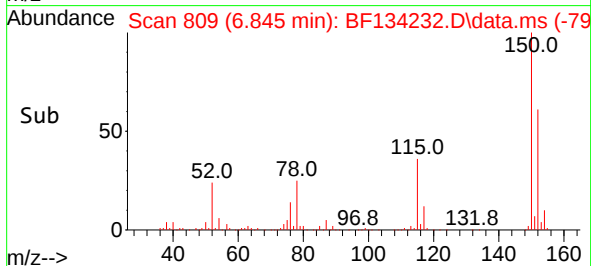


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF134232.D
Acq: 12 Jul 2023 01:45

Instrument :
BNA_F
ClientSampleId :

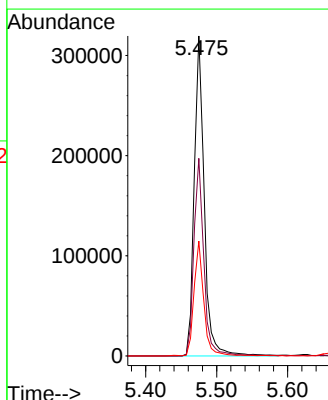
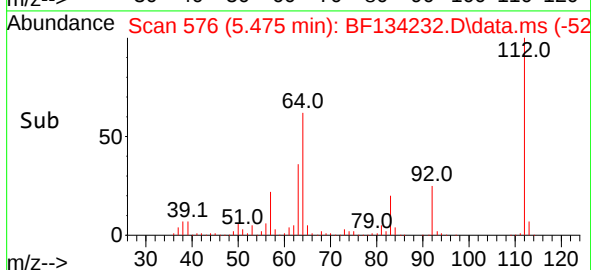
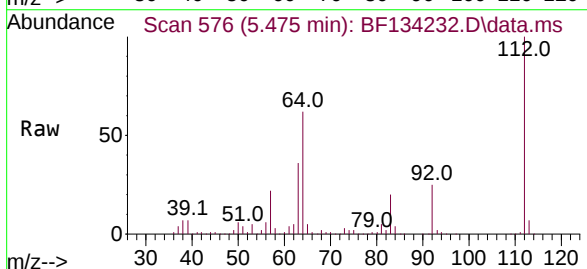


Tgt Ion:152 Resp: 93505
Ion Ratio Lower Upper
152 100
150 162.7 124.5 186.7
115 59.0 50.2 75.2



#5
2-Fluorophenol
Concen: 56.346 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.000 min
Lab File: BF134232.D
Acq: 12 Jul 2023 01:45

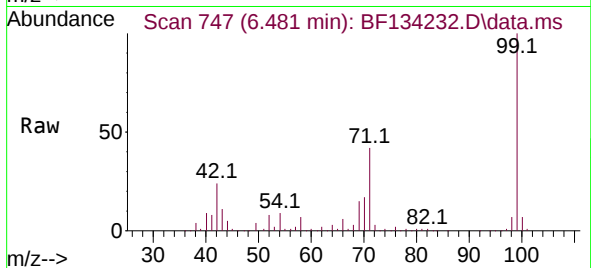
Tgt Ion:112 Resp: 314963
Ion Ratio Lower Upper
112 100
64 61.8 52.1 78.1
63 35.9 28.6 42.8



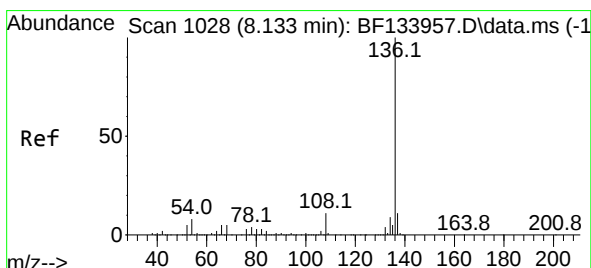
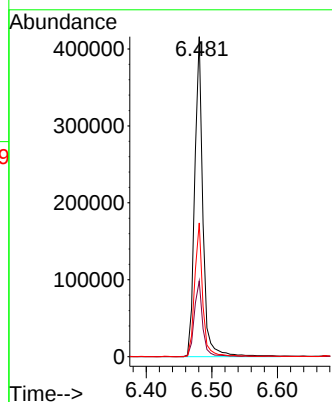
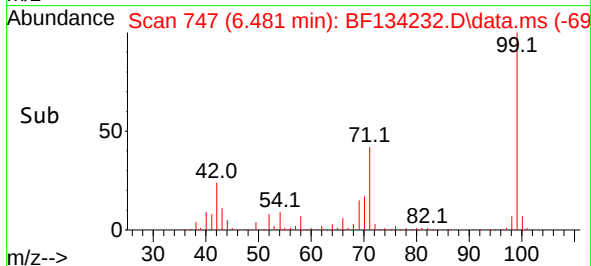


#7
Phenol-d6
Concen: 52.808 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134232.D
Acq: 12 Jul 2023 01:45

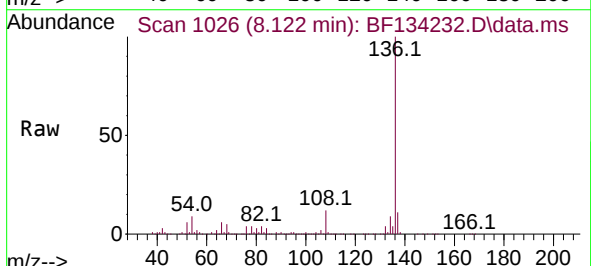
Instrument :
BNA_F
ClientSampleId :



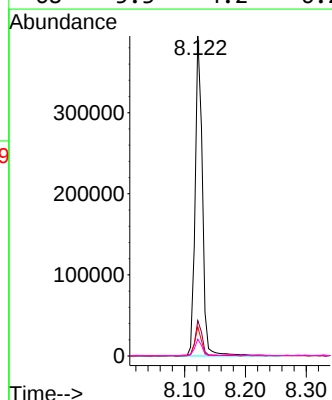
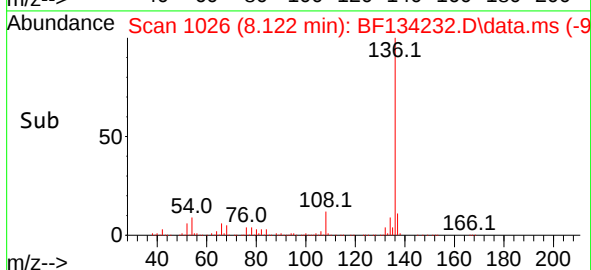
Tgt Ion: 99 Resp: 363021
Ion Ratio Lower Upper
99 100
42 23.7 19.8 29.6
71 41.8 31.9 47.9

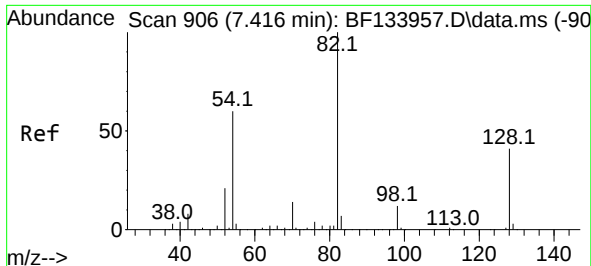


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134232.D
Acq: 12 Jul 2023 01:45



Tgt Ion: 136 Resp: 325031
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 9.1 6.5 9.7
68 5.3 4.2 6.2





#23

Nitrobenzene-d5

Concen: 38.317 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

Instrument :

BNA_F

ClientSampleId :

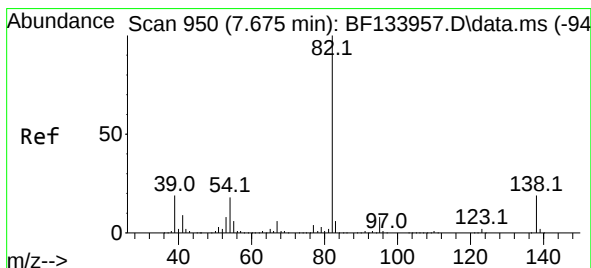
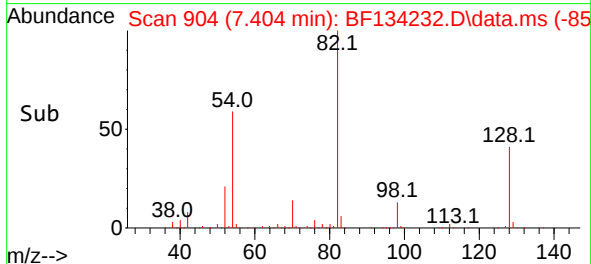
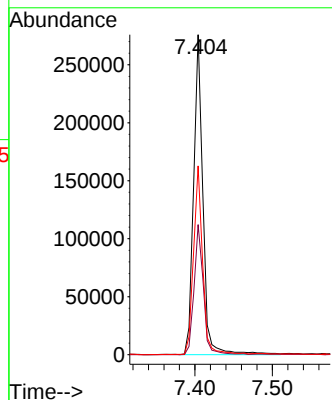
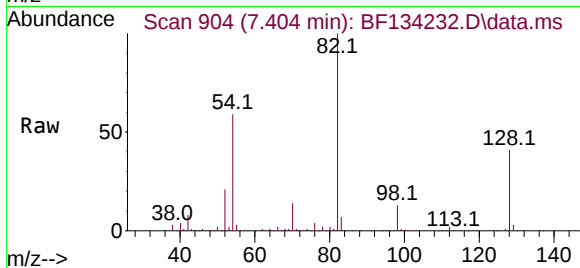
Tgt Ion: 82 Resp: 231041

Ion Ratio Lower Upper

82 100

128 40.7 32.5 48.7

54 59.0 48.2 72.2



#25

Isophorone

Concen: 21.083 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.259 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

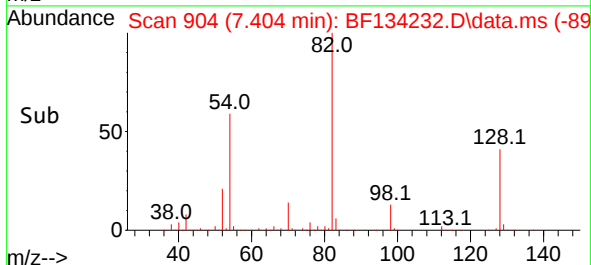
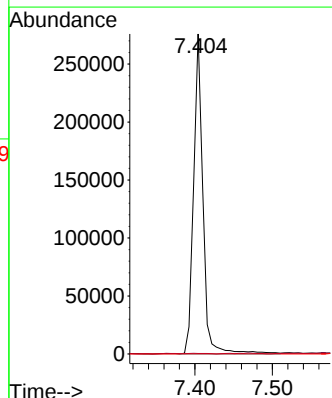
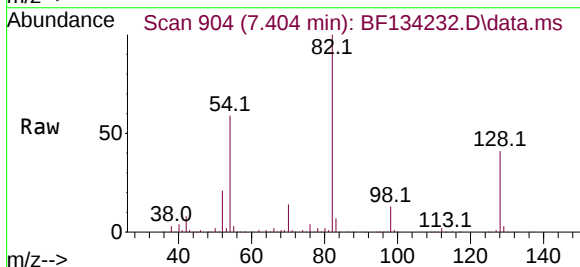
Tgt Ion: 82 Resp: 231041

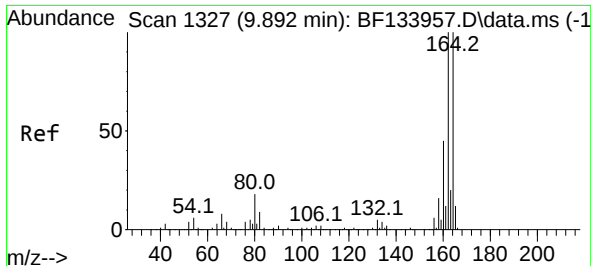
Ion Ratio Lower Upper

82 100

95 0.1 6.1 9.1#

138 0.0 15.2 22.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

Instrument :

BNA_F

ClientSampleId :

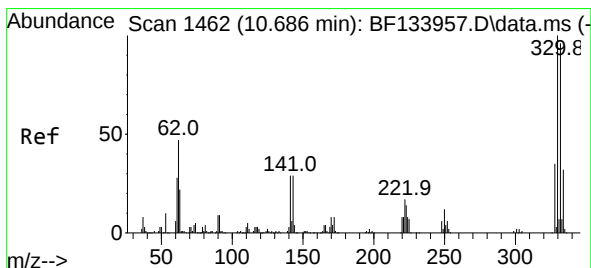
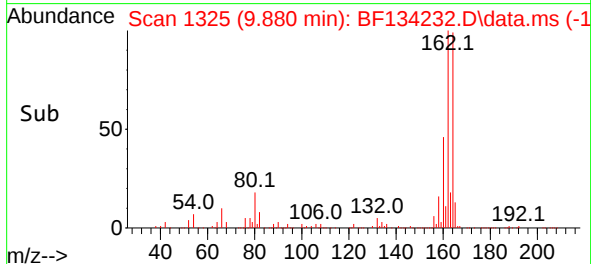
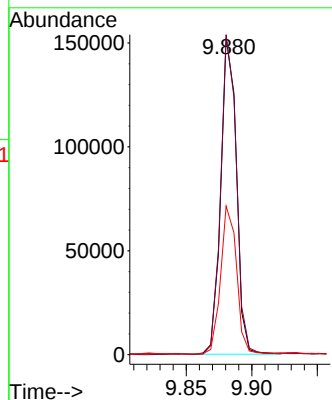
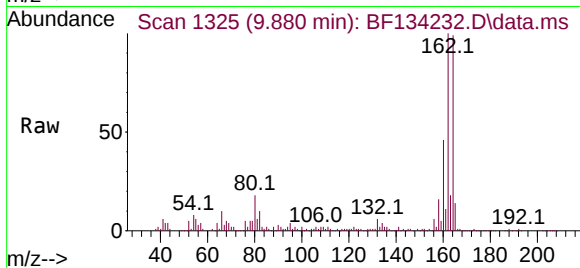
Tgt Ion:164 Resp: 125836

Ion Ratio Lower Upper

164 100

162 101.0 80.0 120.0

160 46.9 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 49.386 ng

RT: 10.674 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

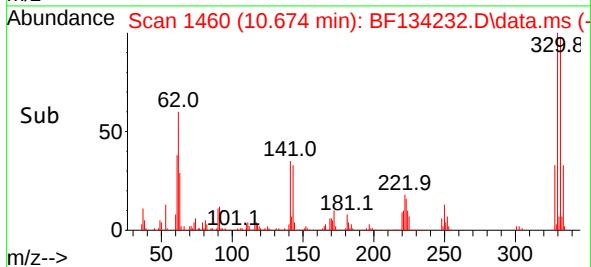
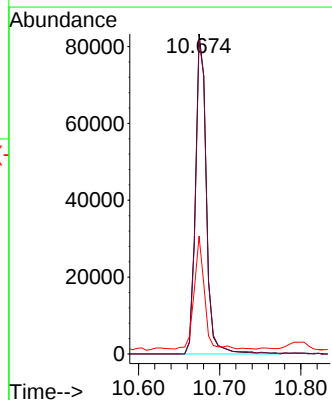
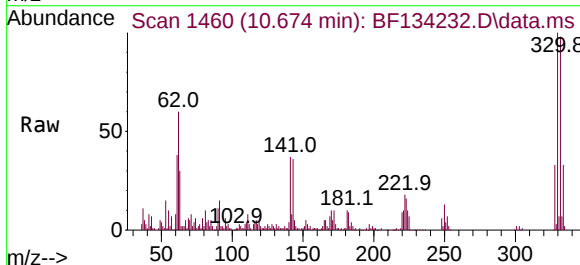
Tgt Ion:330 Resp: 77918

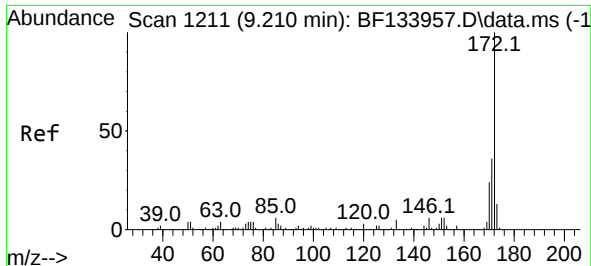
Ion Ratio Lower Upper

330 100

332 98.2 77.0 115.6

141 33.1 26.3 39.5





#45

2-Fluorobiphenyl

Concen: 42.779 ng

RT: 9.198 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

Instrument :

BNA_F

ClientSampleId :

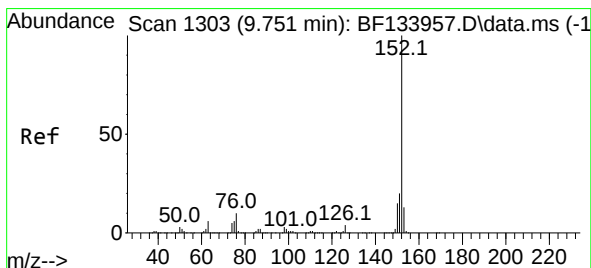
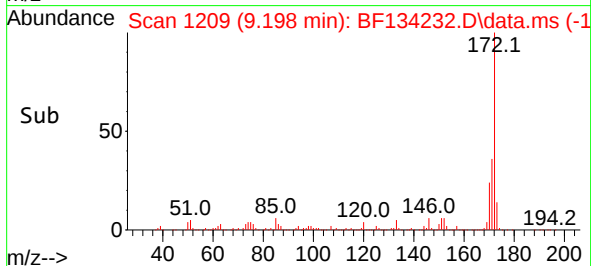
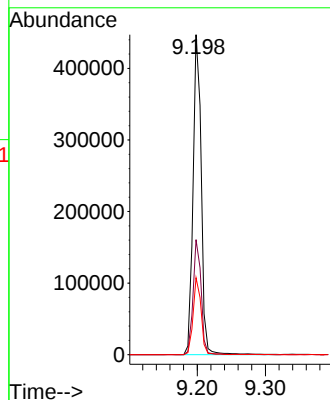
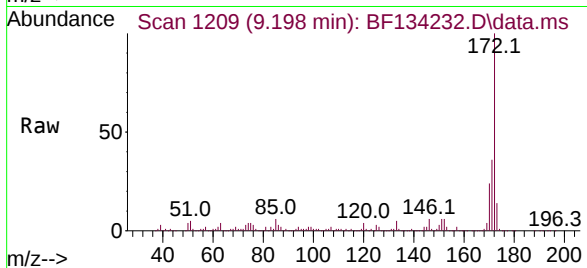
Tgt Ion:172 Resp: 370255

Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 24.1 19.4 29.0



#49

Acenaphthylene

Concen: 2.759 ng

RT: 9.745 min Scan# 1302

Delta R.T. -0.000 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

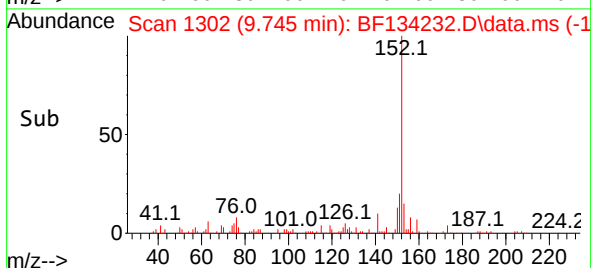
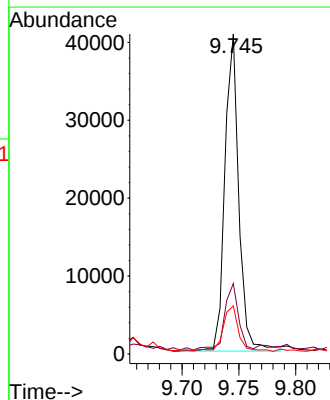
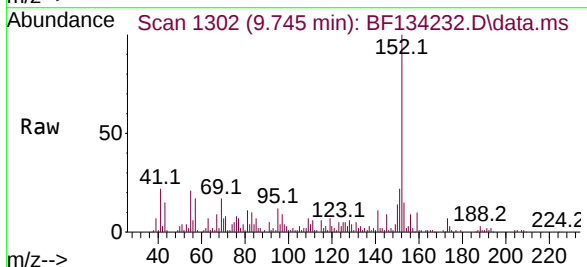
Tgt Ion:152 Resp: 34811

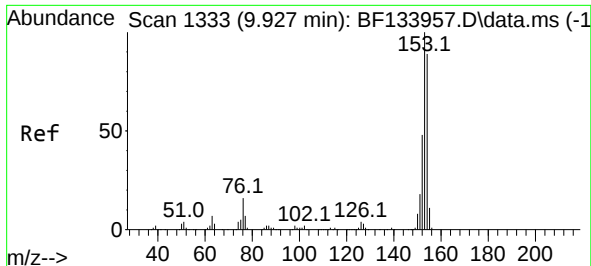
Ion Ratio Lower Upper

152 100

151 22.0 16.2 24.2

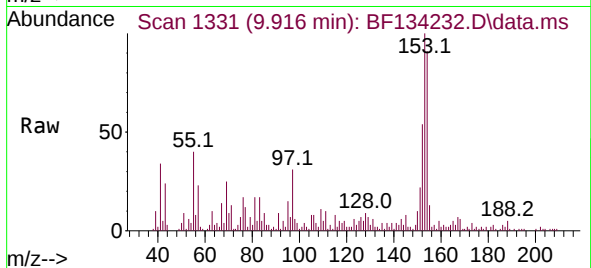
153 15.0 10.8 16.2



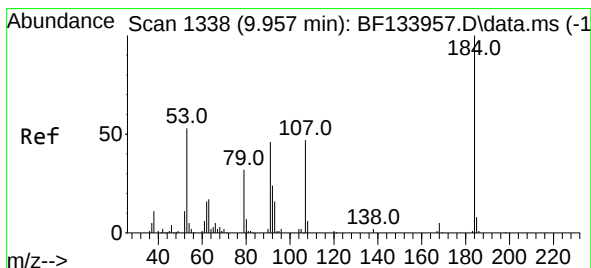
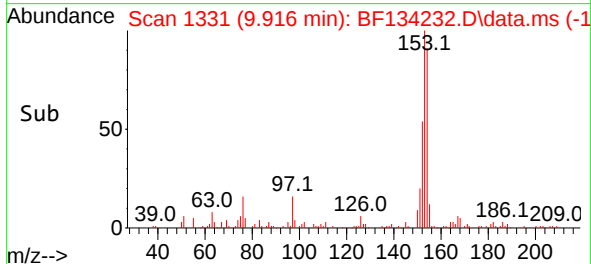
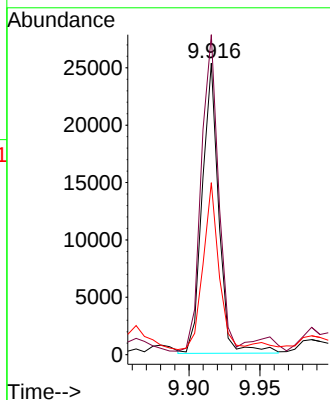


#52
Acenaphthene
Concen: 2.797 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF134232.D
Acq: 12 Jul 2023 01:45

Instrument :
BNA_F
ClientSampleId :

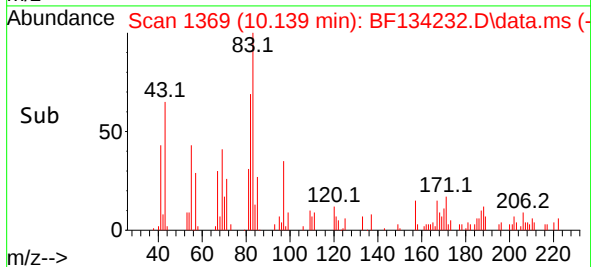
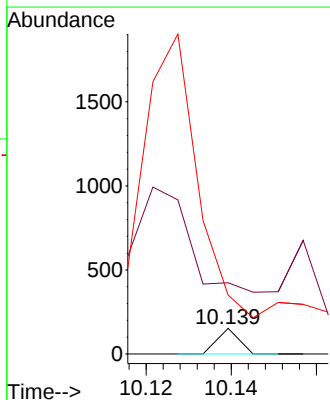
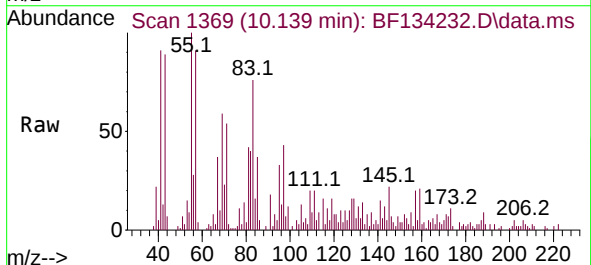


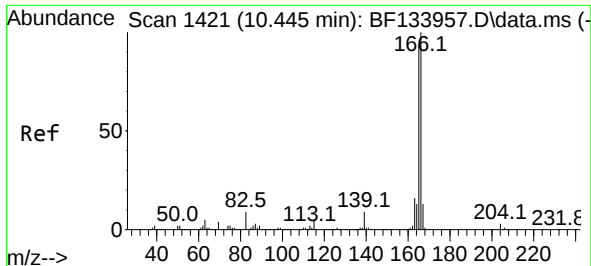
Tgt Ion:154 Resp: 20476
Ion Ratio Lower Upper
154 100
153 109.8 89.4 134.2
152 59.0 42.8 64.2



#54
2,4-Dinitrophenol
Concen: 3.909 ng
RT: 10.139 min Scan# 1369
Delta R.T. 0.182 min
Lab File: BF134232.D
Acq: 12 Jul 2023 01:45

Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 278.9 56.9 85.3#
154 230.3 55.4 83.0#

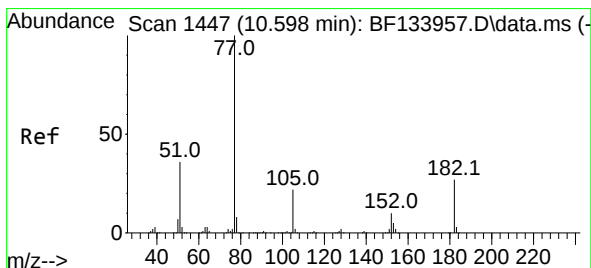
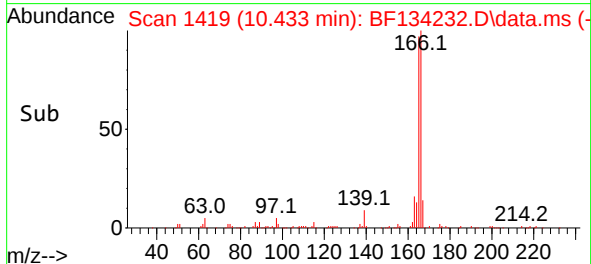
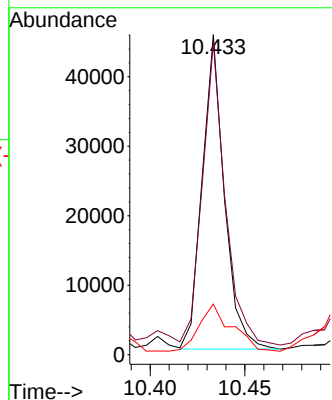
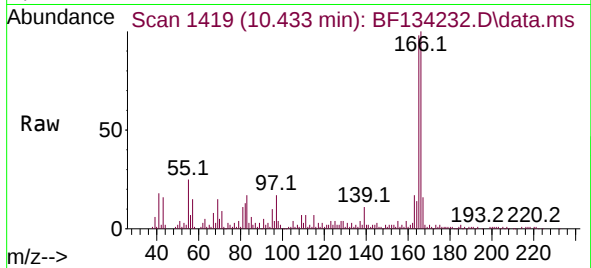




#58
Fluorene
Concen: 4.143 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF134232.D
Acq: 12 Jul 2023 01:45

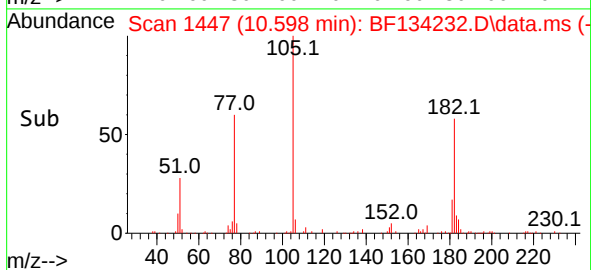
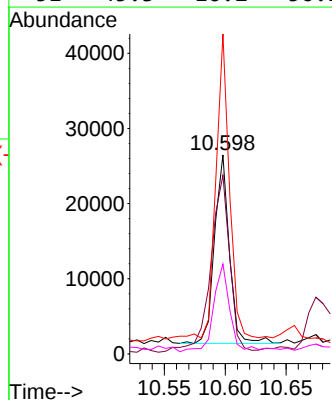
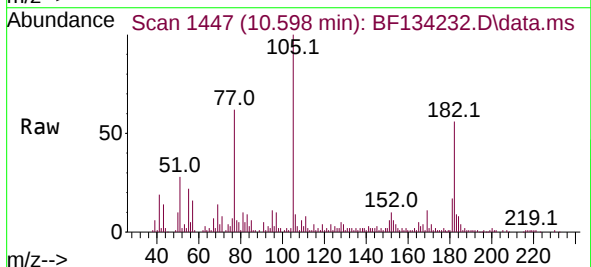
Instrument :
BNA_F
ClientSampleId :

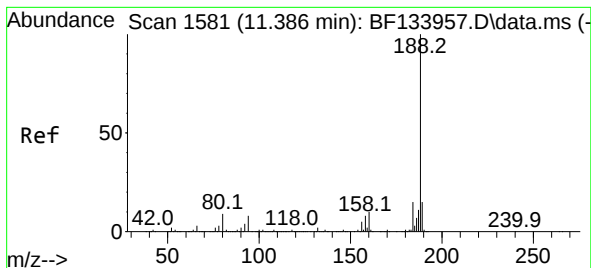
Tgt Ion:166 Resp: 36874
Ion Ratio Lower Upper
166 100
165 97.6 75.0 112.4
167 15.8 10.6 15.8



#63
Azobenzene
Concen: 2.369 ng
RT: 10.598 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF134232.D
Acq: 12 Jul 2023 01:45

Tgt Ion: 77 Resp: 21327
Ion Ratio Lower Upper
77 100
182 89.8 6.8 46.8#
105 160.7 2.3 42.3#
51 45.3 16.2 56.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

Instrument :

BNA_F

ClientSampleId :

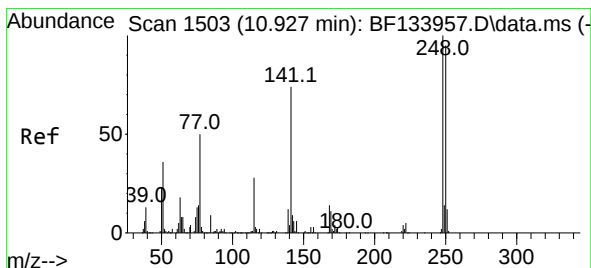
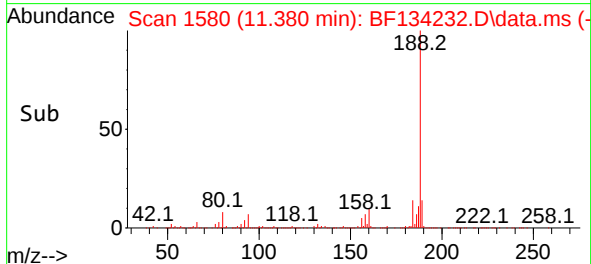
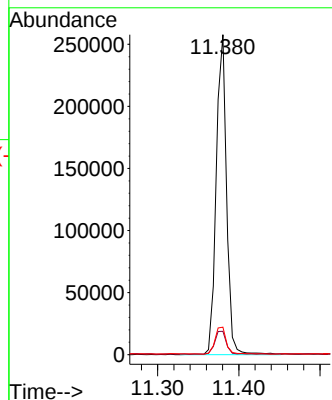
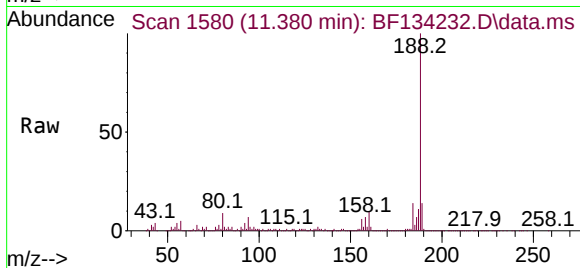
Tgt Ion:188 Resp: 227864

Ion Ratio Lower Upper

188 100

94 7.3 6.4 9.6

80 8.6 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 2.045 ng

RT: 10.674 min Scan# 1460

Delta R.T. -0.247 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

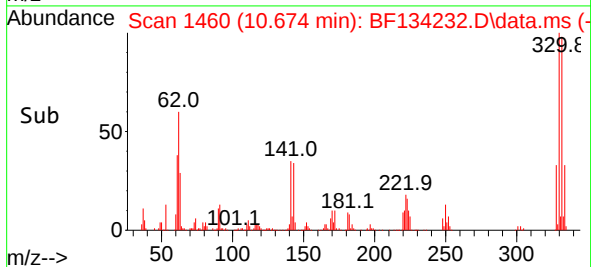
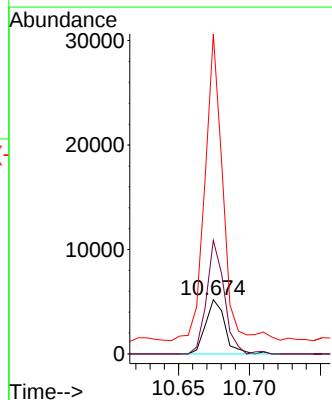
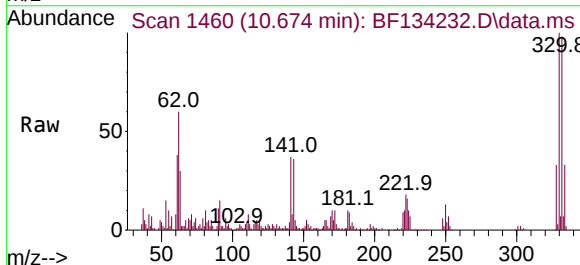
Tgt Ion:248 Resp: 4952

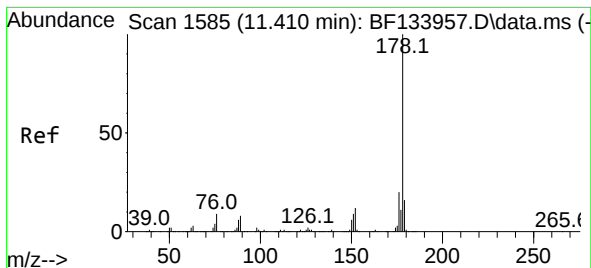
Ion Ratio Lower Upper

248 100

250 209.3 76.2 114.4#

141 589.6 59.0 88.4#





#71

Phenanthrene

Concen: 25.729 ng

RT: 11.404 min Scan# 1584

Delta R.T. -0.000 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

Instrument :

BNA_F

ClientSampleId :

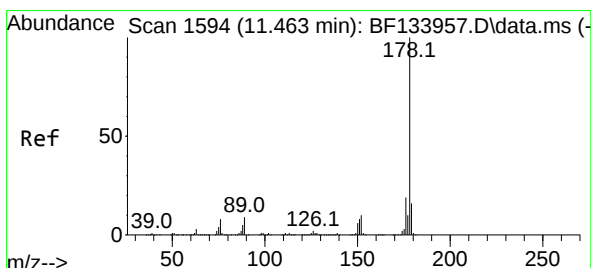
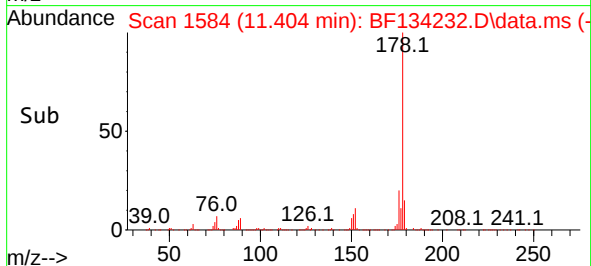
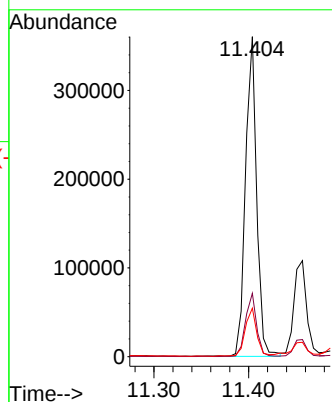
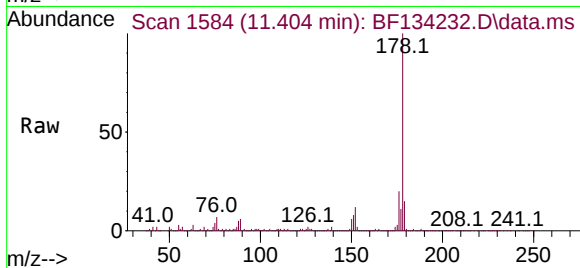
Tgt Ion:178 Resp: 295137

Ion Ratio Lower Upper

178 100

176 19.8 16.0 24.0

179 15.2 12.4 18.6



#72

Anthracene

Concen: 7.848 ng

RT: 11.457 min Scan# 1593

Delta R.T. -0.000 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

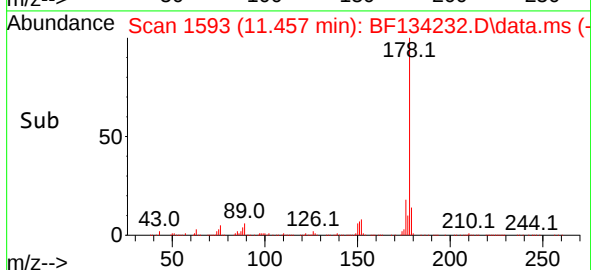
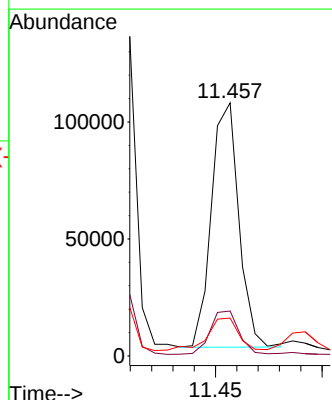
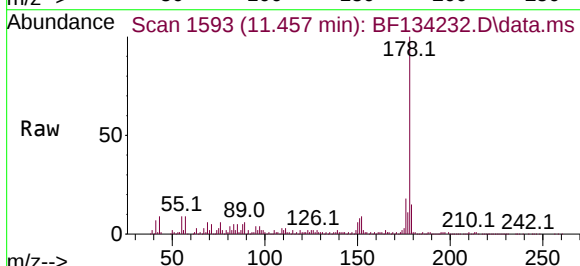
Tgt Ion:178 Resp: 93634

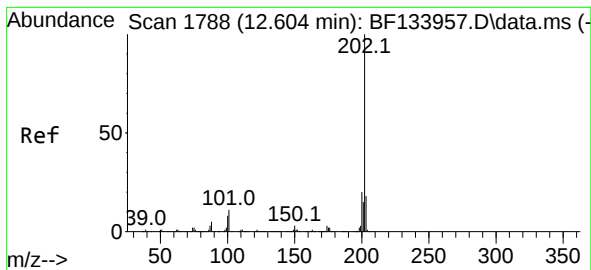
Ion Ratio Lower Upper

178 100

176 17.8 15.3 22.9

179 15.0 12.4 18.6





#75

Fluoranthene

Concen: 33.617 ng

RT: 12.604 min Scan# 1788

Delta R.T. -0.000 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

Instrument :

BNA_F

ClientSampleId :

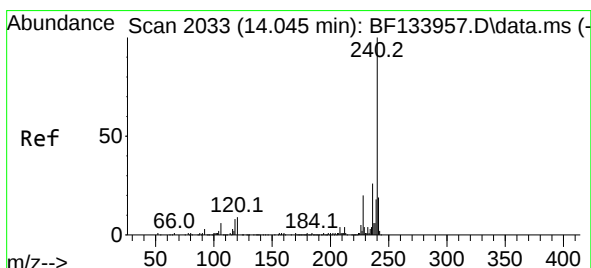
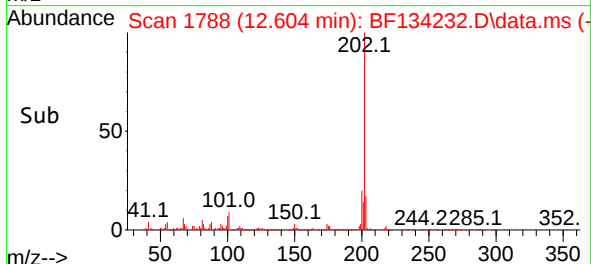
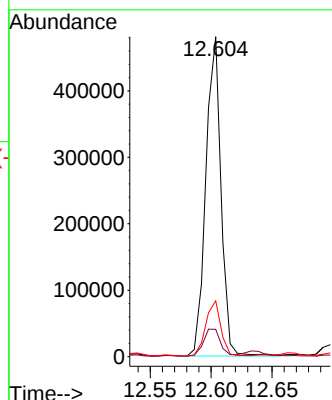
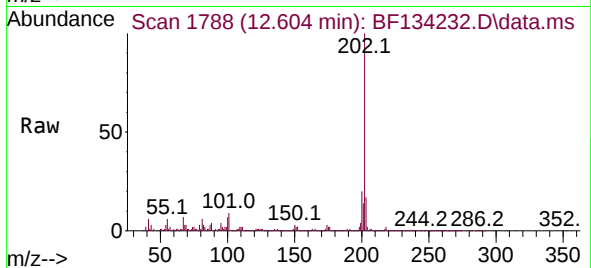
Tgt Ion:202 Resp: 416899

Ion Ratio Lower Upper

202 100

101 8.5 0.0 31.0

203 17.4 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

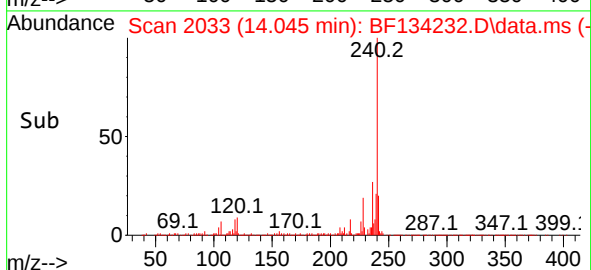
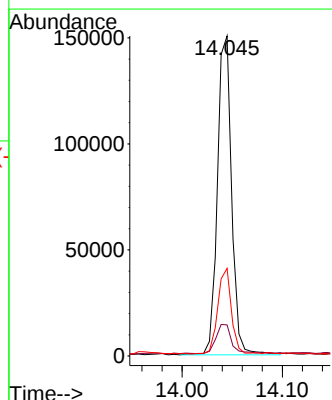
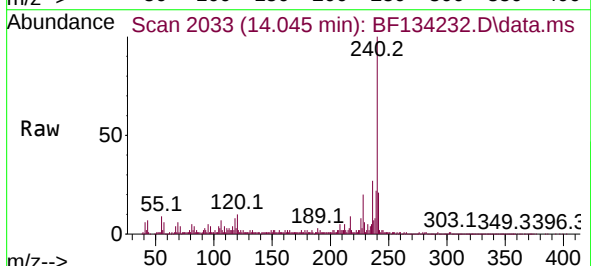
Tgt Ion:240 Resp: 148423

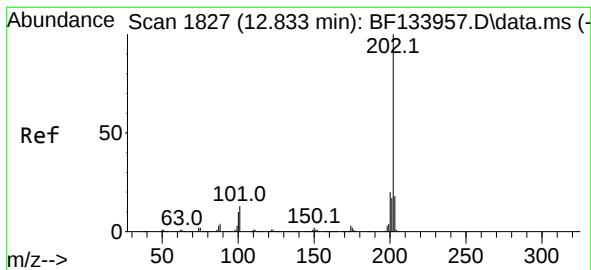
Ion Ratio Lower Upper

240 100

120 9.7 7.4 11.0

236 27.3 21.0 31.6





#78

Pyrene

Concen: 31.941 ng

RT: 12.833 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

Instrument :

BNA_F

ClientSampleId :

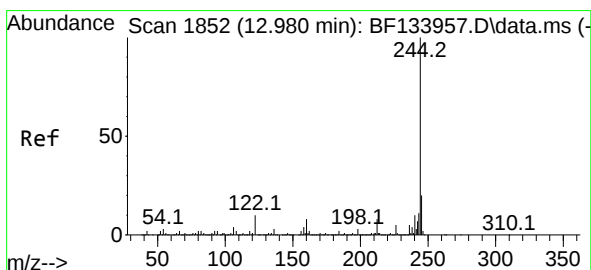
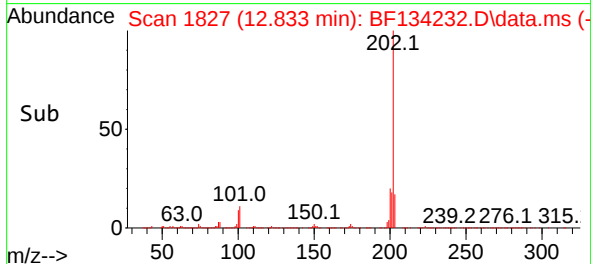
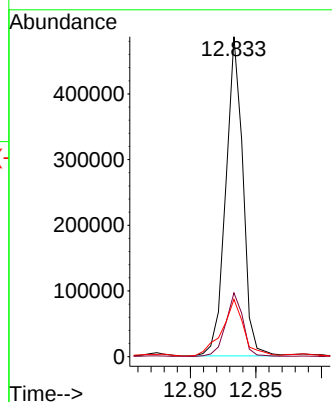
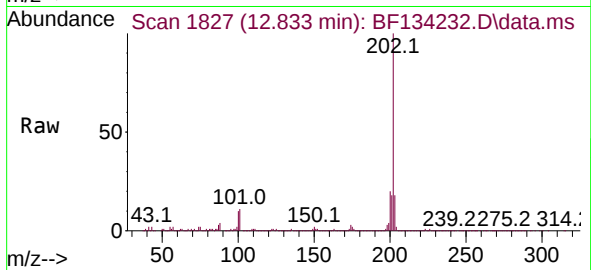
Tgt Ion:202 Resp: 441199

Ion Ratio Lower Upper

202 100

200 19.9 16.1 24.1

203 17.9 14.3 21.5



#79

Terphenyl-d14

Concen: 38.153 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

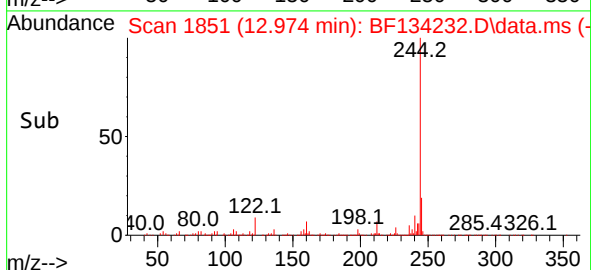
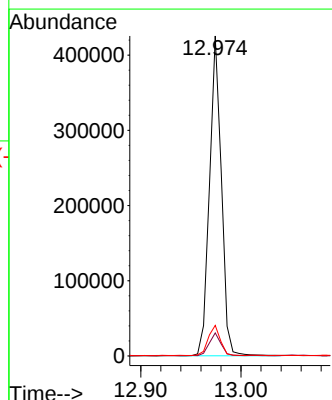
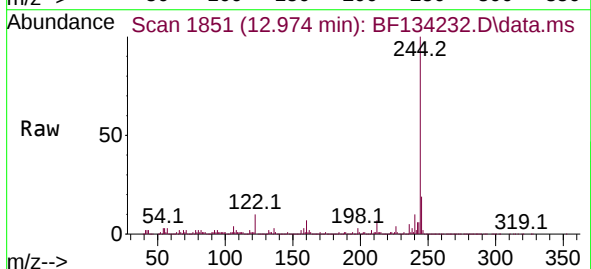
Tgt Ion:244 Resp: 351854

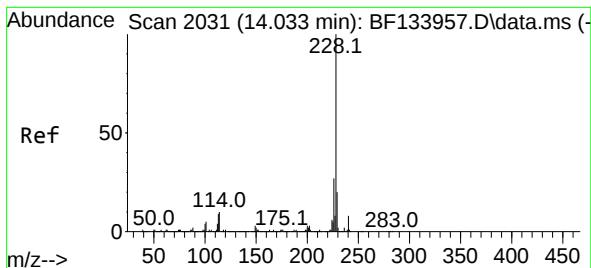
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 9.6 8.3 12.5





#81

Benzo(a)anthracene

Concen: 16.480 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

Instrument :

BNA_F

ClientSampleId :

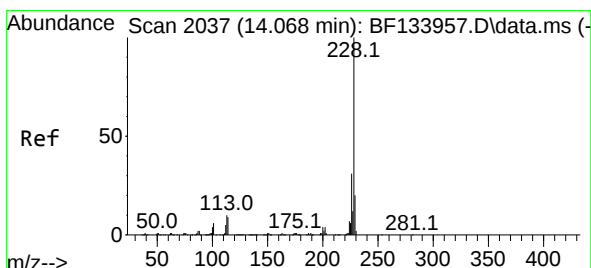
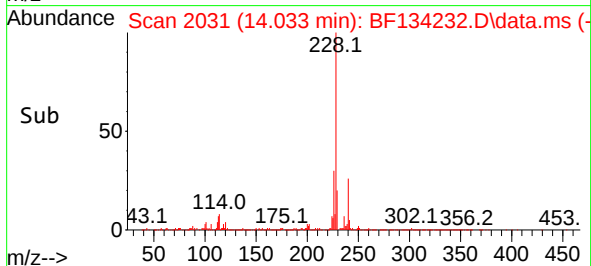
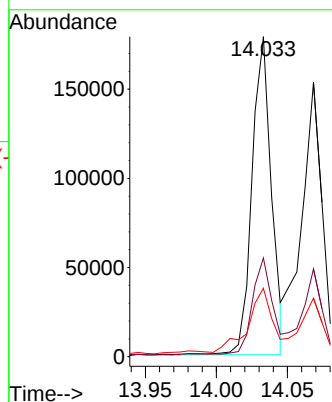
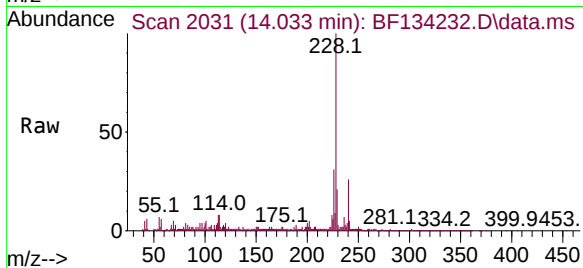
Tgt Ion:228 Resp: 169636

Ion Ratio Lower Upper

228 100

226 30.8 22.0 33.0

229 21.4 16.3 24.5



#83

Chrysene

Concen: 14.493 ng

RT: 14.068 min Scan# 2037

Delta R.T. -0.000 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

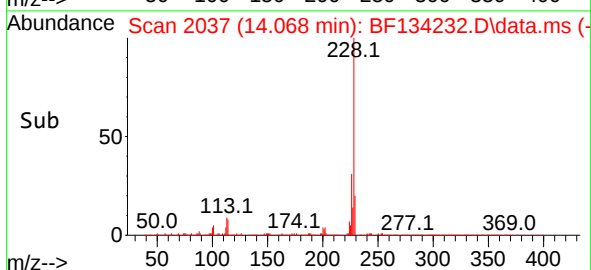
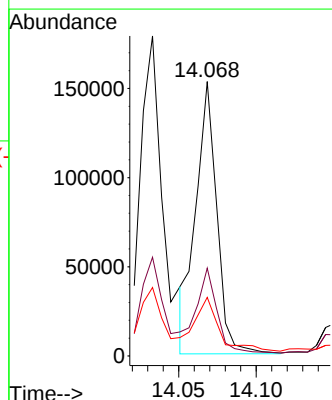
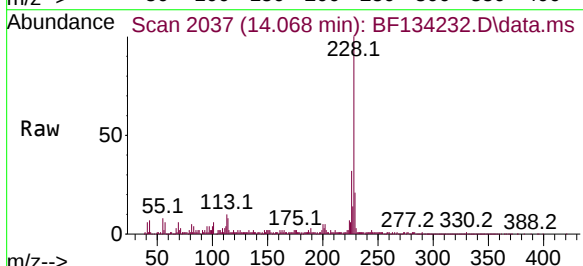
Tgt Ion:228 Resp: 144497

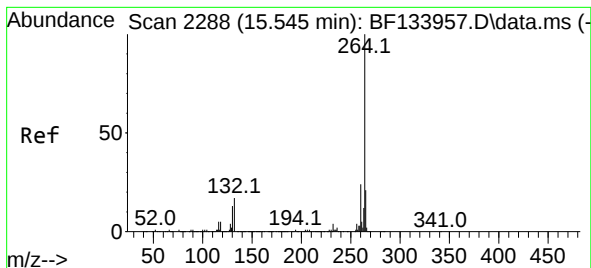
Ion Ratio Lower Upper

228 100

226 32.0 24.4 36.6

229 21.3 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

Instrument :

BNA_F

ClientSampleId :

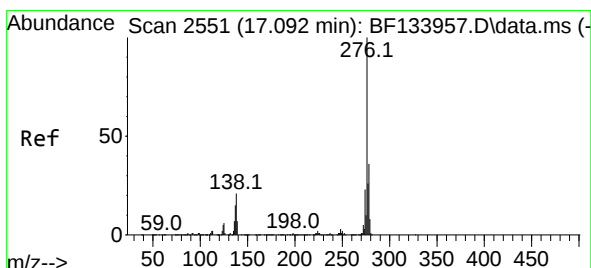
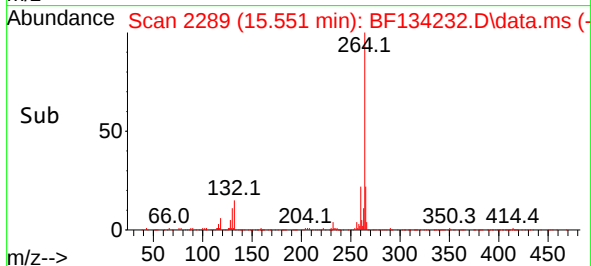
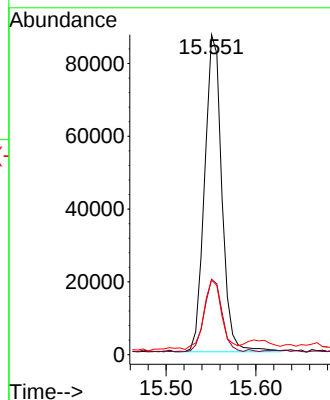
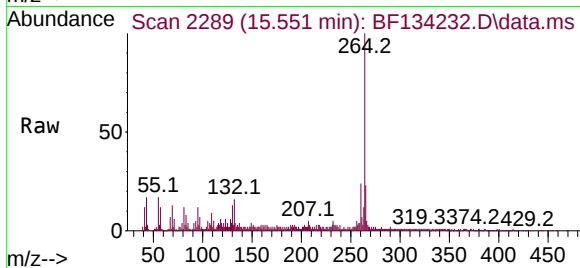
Tgt Ion:264 Resp: 116131

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

265 23.4 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.921 ng

RT: 17.103 min Scan# 2553

Delta R.T. 0.006 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

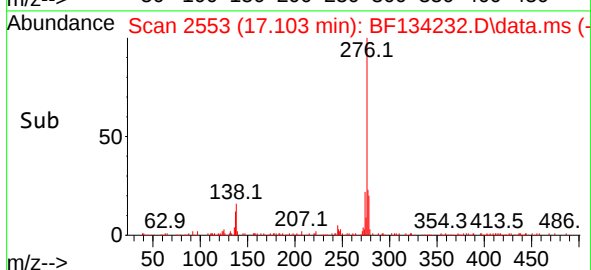
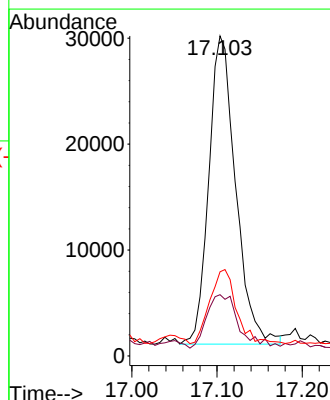
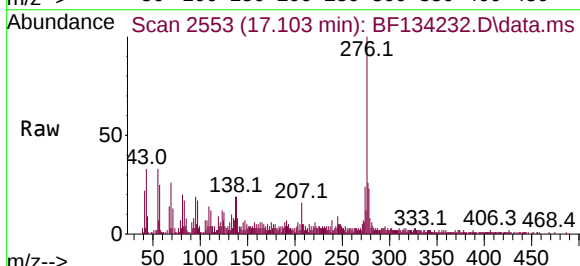
Tgt Ion:276 Resp: 63834

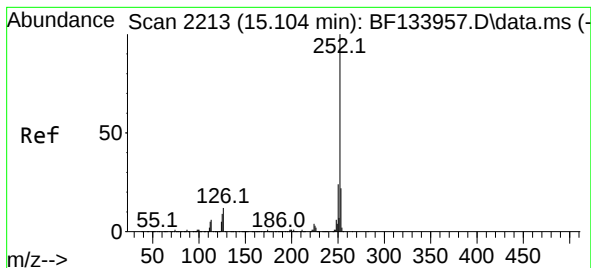
Ion Ratio Lower Upper

276 100

138 20.6 18.7 28.1

277 23.6 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 27.861 ng

RT: 15.110 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

Instrument :

BNA_F

ClientSampleId :

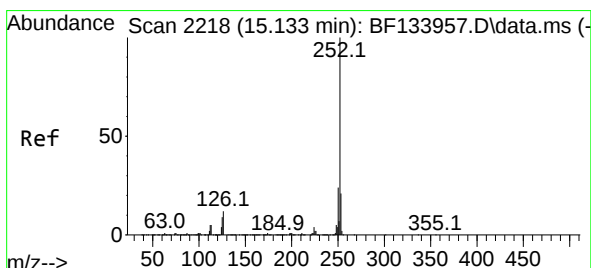
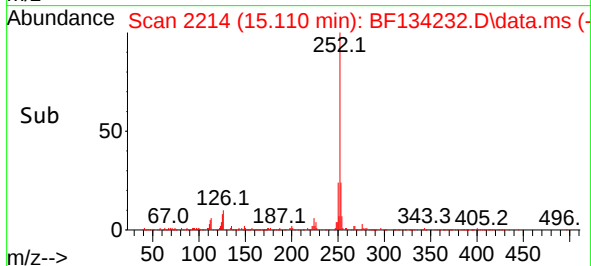
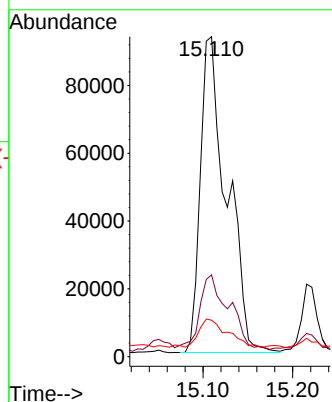
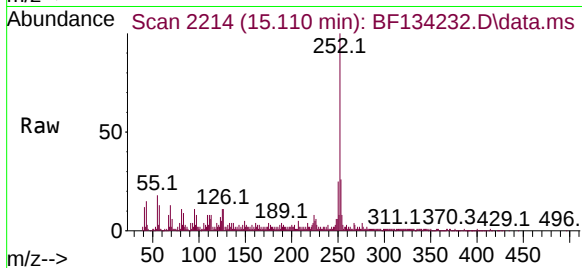
Tgt Ion:252 Resp: 190251

Ion Ratio Lower Upper

252 100

253 25.6 17.4 26.0

125 11.4 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 27.364 ng

RT: 15.110 min Scan# 2214

Delta R.T. -0.024 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

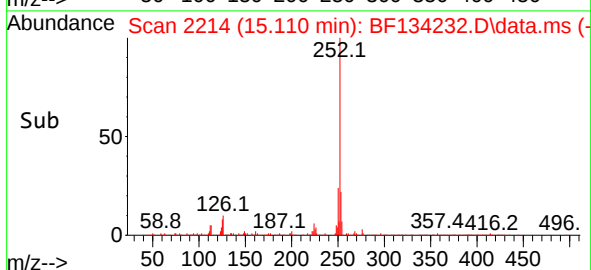
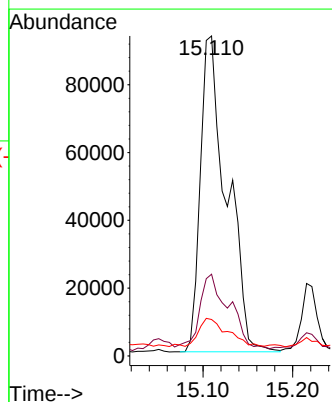
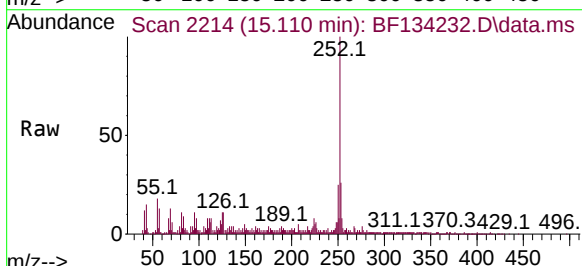
Tgt Ion:252 Resp: 190251

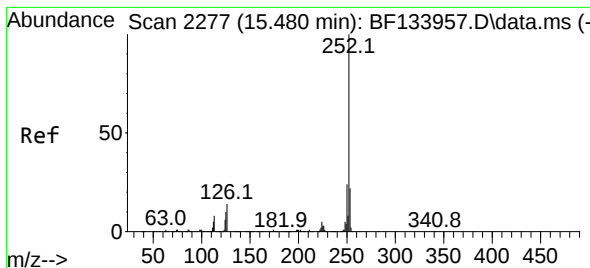
Ion Ratio Lower Upper

252 100

253 25.6 16.9 25.3#

125 11.4 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 16.453 ng

RT: 15.486 min Scan# 2277

Delta R.T. 0.006 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

Instrument :

BNA_F

ClientSampleId :

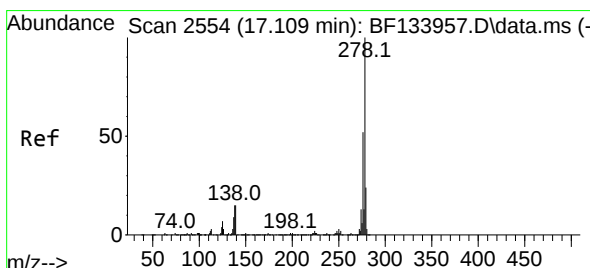
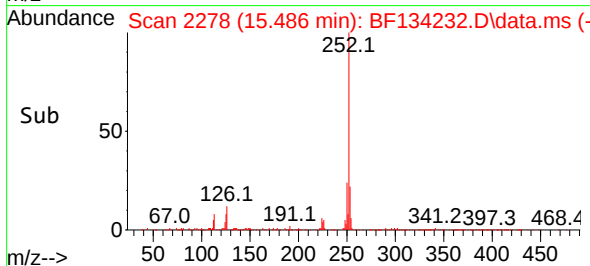
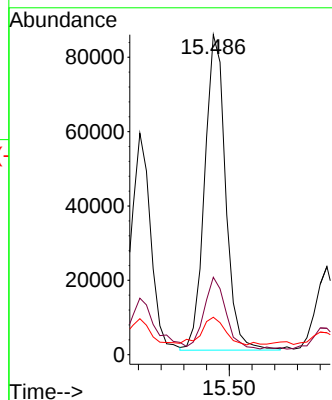
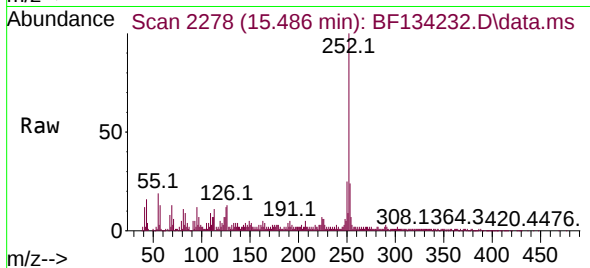
Tgt Ion:252 Resp: 108644

Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.0

125 11.7 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 2.527 ng

RT: 17.115 min Scan# 2555

Delta R.T. -0.000 min

Lab File: BF134232.D

Acq: 12 Jul 2023 01:45

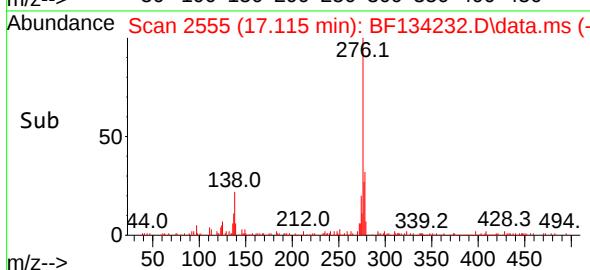
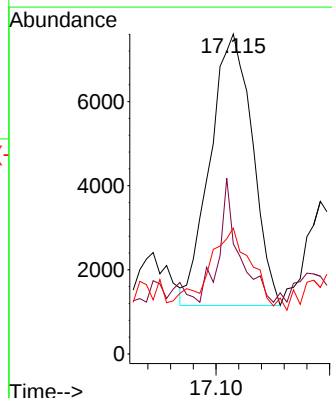
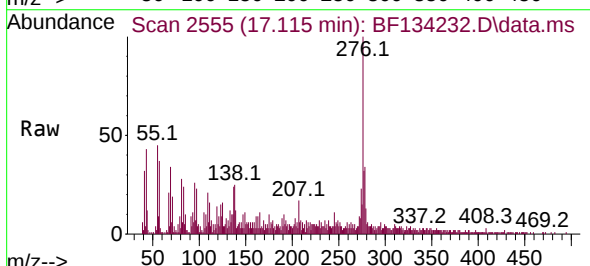
Tgt Ion:278 Resp: 16631

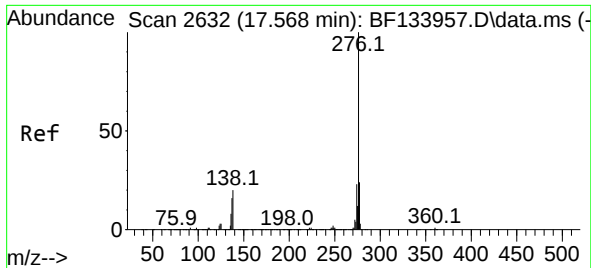
Ion Ratio Lower Upper

278 100

139 34.4 12.2 18.4#

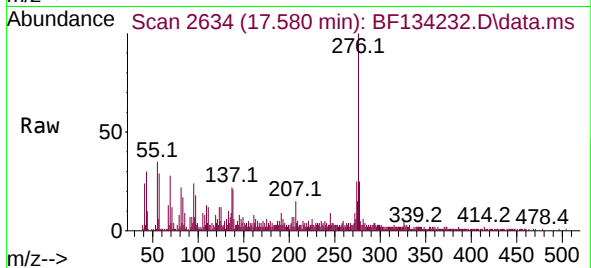
279 39.4 19.4 29.2#





#92
 Benzo(g,h,i)perylene
 Concen: 9.564 ng
 RT: 17.580 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF134232.D
 Acq: 12 Jul 2023 01:45

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:	276	Resp:	64913
Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.0	28.6
138	21.4	16.2	24.2

