

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
 Data File : BF134235.D
 Acq On : 12 Jul 2023 03:21
 Operator : CG\JU
 Sample : 03375-03 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 12 03:56:40 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)

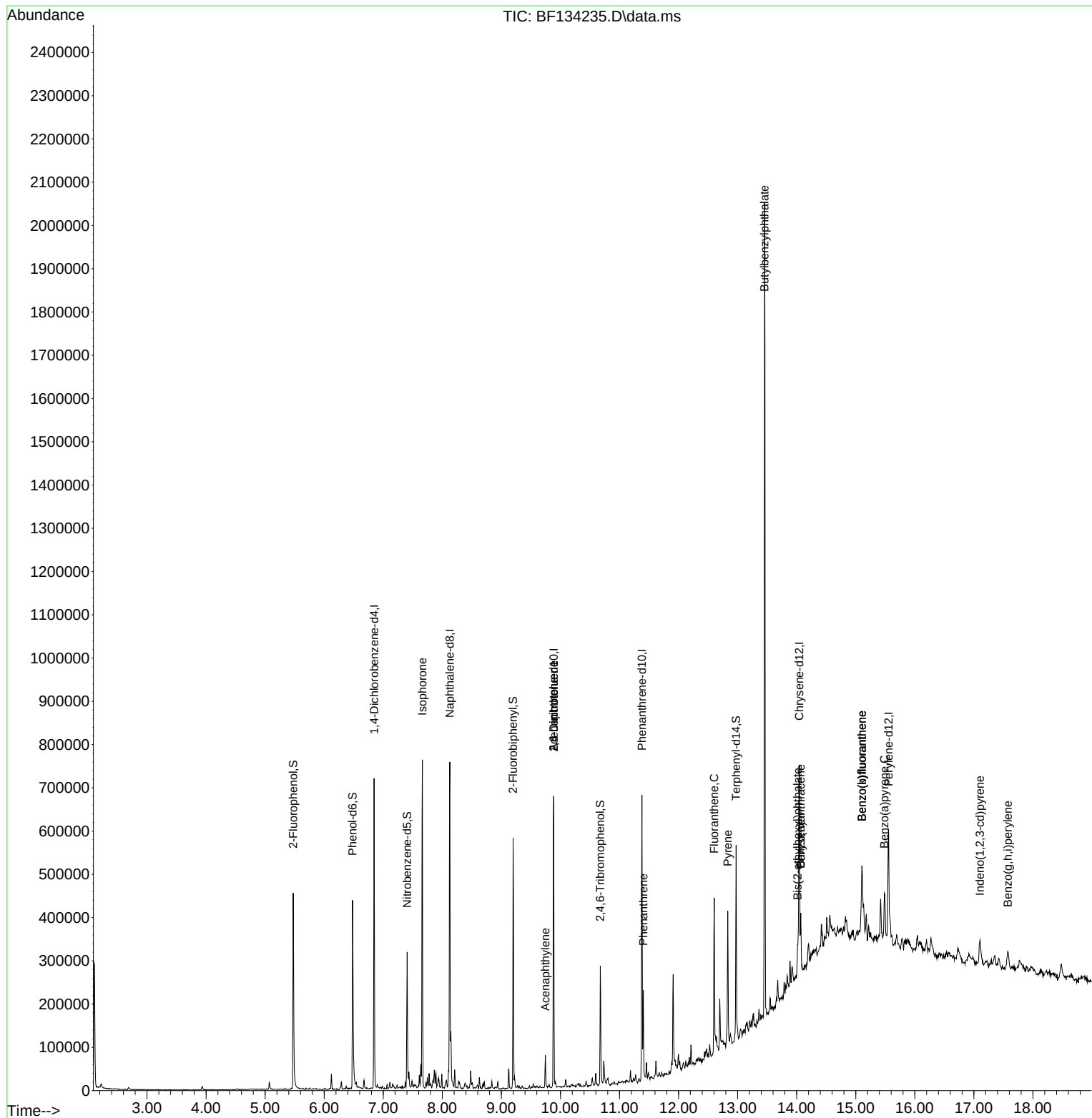
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	91612	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	325766	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	132929	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	226717	20.000	ng	0.00
76) Chrysene-d12	14.045	240	147804	20.000	ng	0.00
86) Perylene-d12	15.557	264	131304	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	125356	22.889	ng	0.00
7) Phenol-d6	6.481	99	145220	21.561	ng	0.00
23) Nitrobenzene-d5	7.404	82	87912	14.547	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	32431	19.459	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	162420	17.764	ng	0.00
79) Terphenyl-d14	12.974	244	139045	15.140	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.404	77	679	Below Cal	#	63
25) Isophorone	7.663	82	255486	23.261	ng	99
49) Acenaphthylene	9.745	152	30158	2.263	ng	96
51) 2,6-Dinitrotoluene	9.886	165	18039	8.680	ng	# 23
57) 2,4-Dinitrotoluene	9.886	165	18039	6.572	ng	# 22
71) Phenanthrene	11.404	178	68868	6.034	ng	98
75) Fluoranthene	12.604	202	142055	11.513	ng	96
78) Pyrene	12.833	202	119181	8.664	ng	97
80) Butylbenzylphthalate	13.457	149	435779	84.472	ng	96
81) Benzo(a)anthracene	14.068	228	61735	6.023	ng	97
83) Chrysene	14.068	228	61735	6.218	ng	95
84) Bis(2-ethylhexyl)phtha...	14.015	149	19370	3.268	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.103	276	44446	4.878	ng	98
88) Benzo(b)fluoranthene	15.104	252	117571	15.228	ng	# 94
89) Benzo(k)fluoranthene	15.104	252	117571	14.956	ng	# 93
90) Benzo(a)pyrene	15.486	252	50226	6.727	ng	# 92
92) Benzo(g,h,i)perylene	17.574	276	41969	5.469	ng	# 92

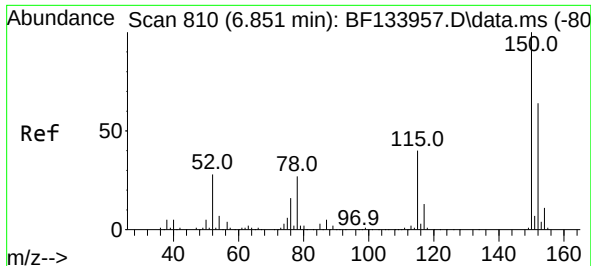
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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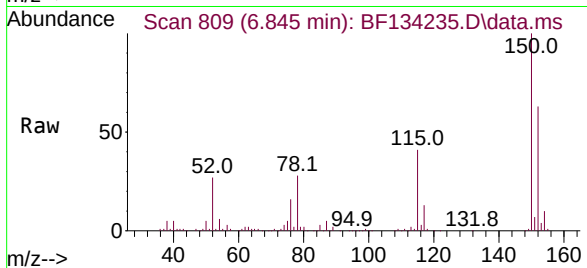
Quant Time: Jul 12 03:56:40 2023
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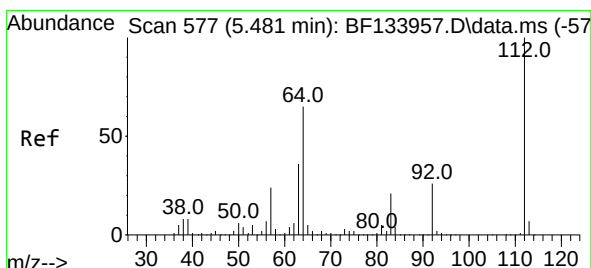
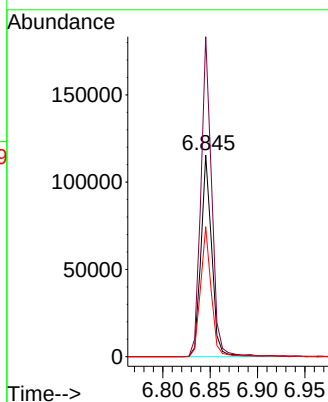
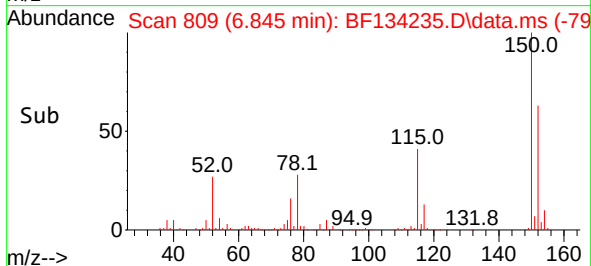


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21

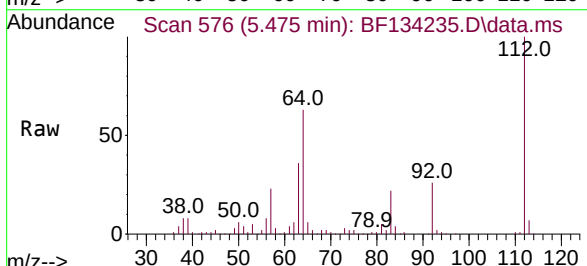
Instrument :
BNA_F
ClientSampleId :



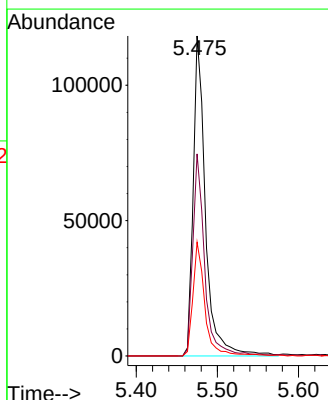
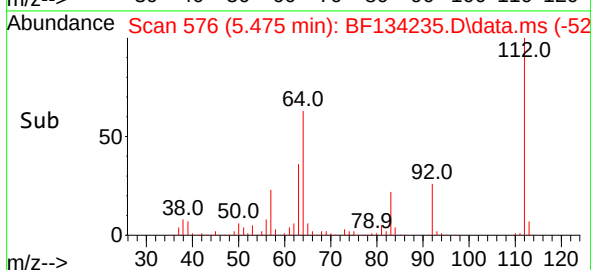
Tgt Ion:152 Resp: 91612
Ion Ratio Lower Upper
152 100
150 158.8 124.5 186.7
115 64.5 50.2 75.2

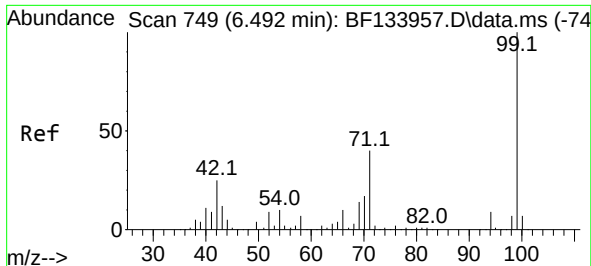


#5
2-Fluorophenol
Concen: 22.889 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.000 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21



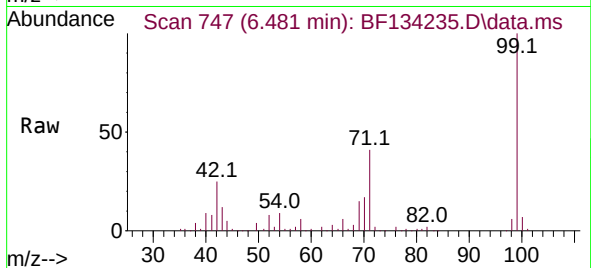
Tgt Ion:112 Resp: 125356
Ion Ratio Lower Upper
112 100
64 63.2 52.1 78.1
63 35.6 28.6 42.8



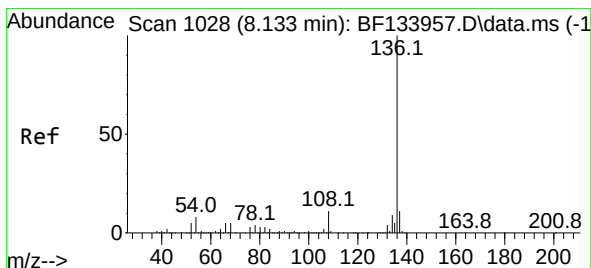
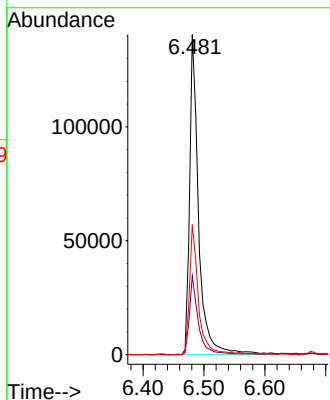
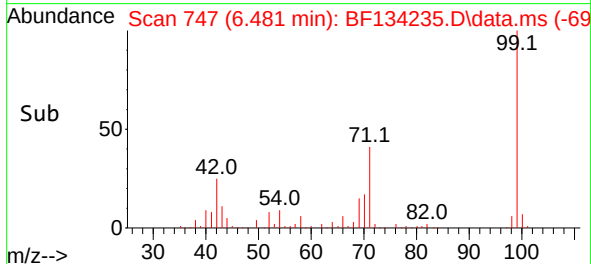


#7
Phenol-d6
Concen: 21.561 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21

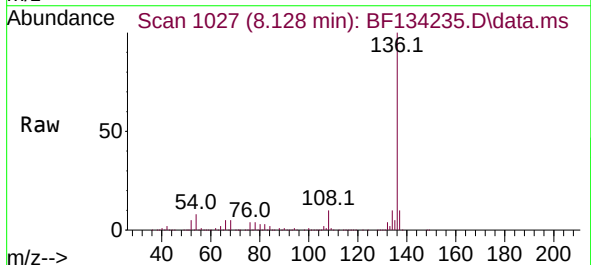
Instrument :
BNA_F
ClientSampleId :



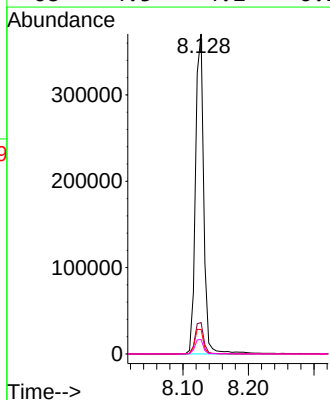
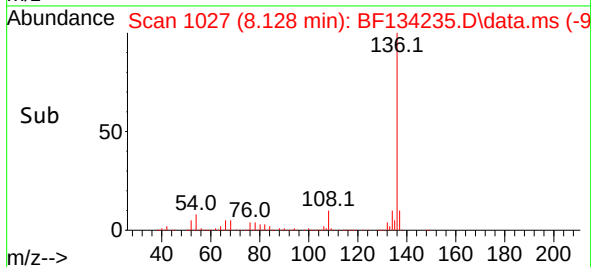
Tgt Ion: 99 Resp: 145220
Ion Ratio Lower Upper
99 100
42 24.6 19.8 29.6
71 40.7 31.9 47.9

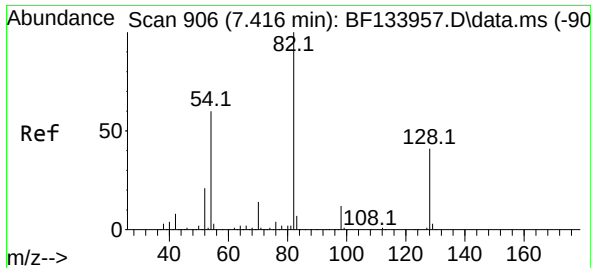


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21



Tgt Ion: 136 Resp: 325766
Ion Ratio Lower Upper
136 100
137 9.8 8.6 12.8
54 7.6 6.5 9.7
68 4.5 4.2 6.2

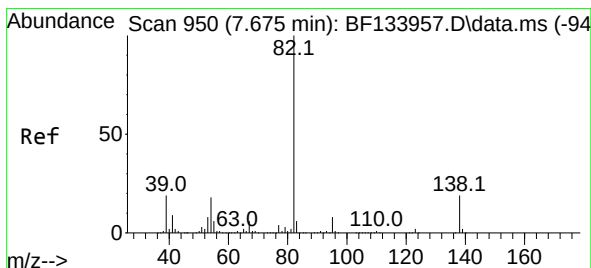
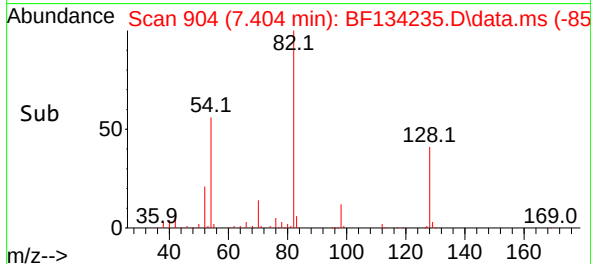
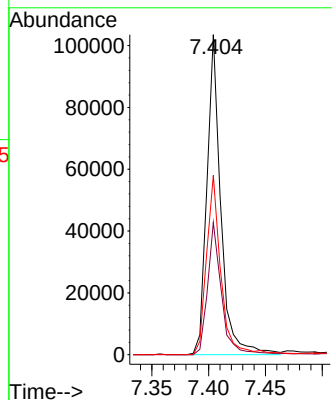
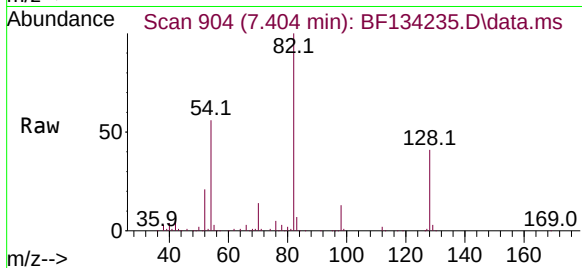




#23
Nitrobenzene-d5
Concen: 14.547 ng
RT: 7.404 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21

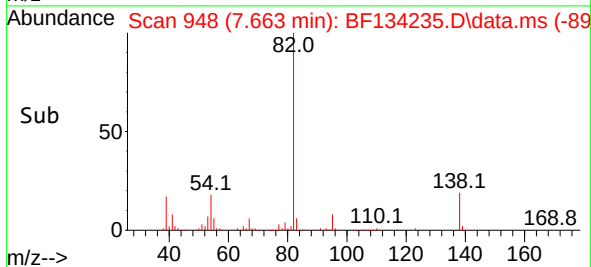
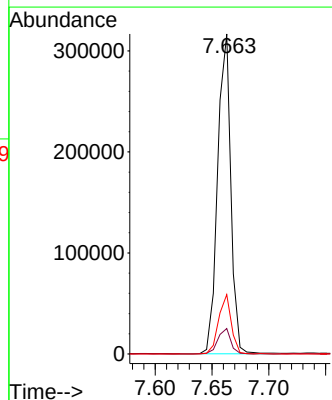
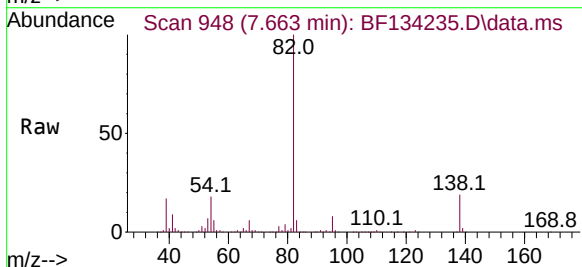
Instrument :
BNA_F
ClientSampleId :

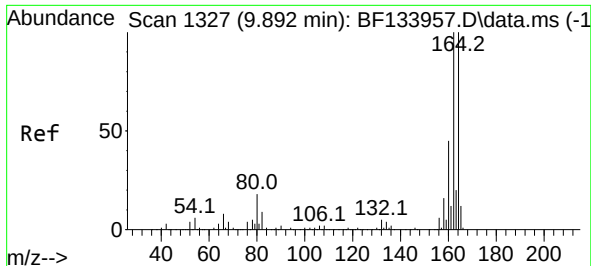
Tgt Ion: 82 Resp: 87912
Ion Ratio Lower Upper
82 100
128 41.3 32.5 48.7
54 56.0 48.2 72.2



#25
Isophorone
Concen: 23.261 ng
RT: 7.663 min Scan# 948
Delta R.T. -0.000 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21

Tgt Ion: 82 Resp: 255486
Ion Ratio Lower Upper
82 100
95 7.9 6.1 9.1
138 18.5 15.2 22.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

Instrument :

BNA_F

ClientSampleId :

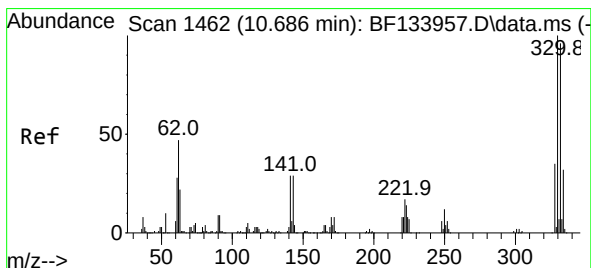
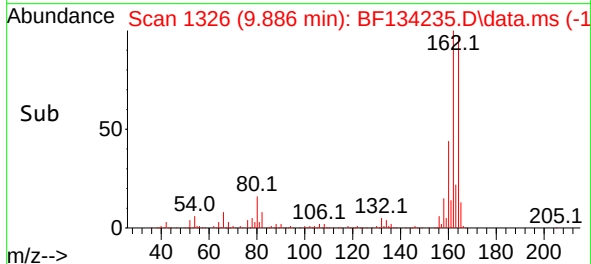
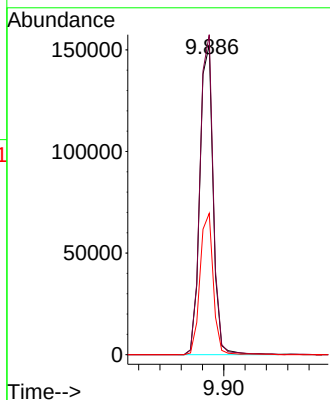
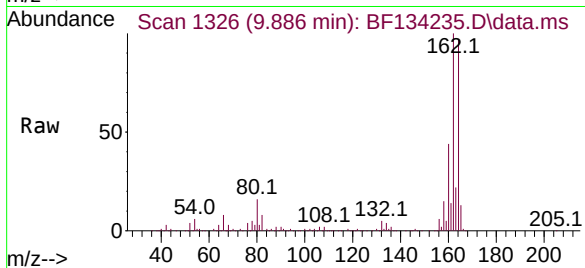
Tgt Ion:164 Resp: 132929

Ion Ratio Lower Upper

164 100

162 103.3 80.0 120.0

160 45.6 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 19.459 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

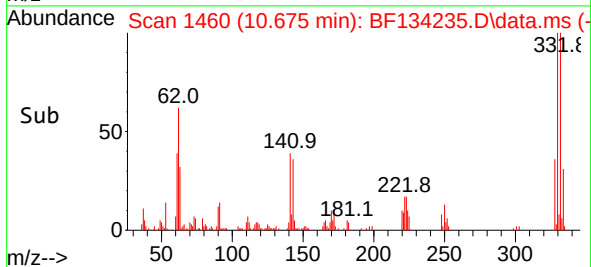
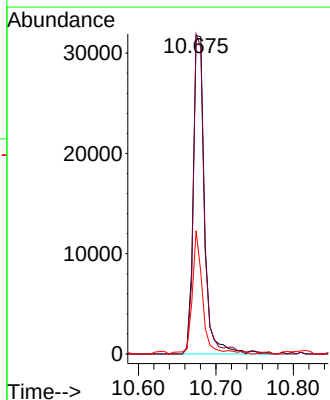
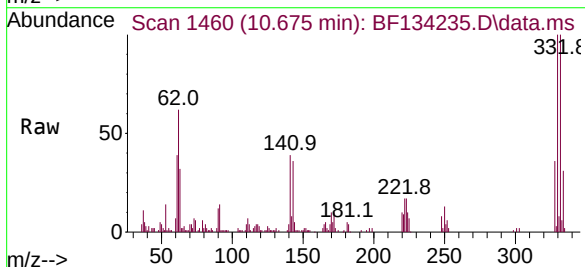
Tgt Ion:330 Resp: 32431

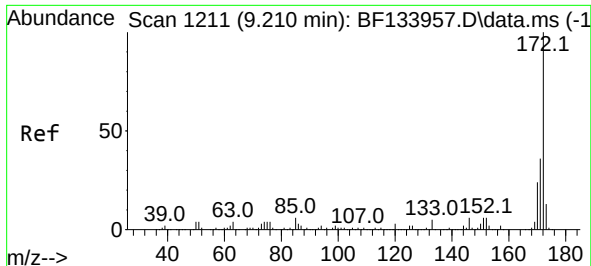
Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

141 35.2 26.3 39.5





#45

2-Fluorobiphenyl

Concen: 17.764 ng

RT: 9.198 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

Instrument :

BNA_F

ClientSampleId :

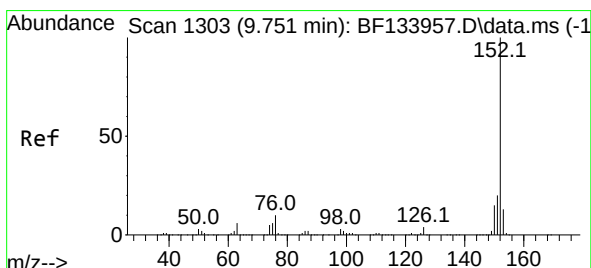
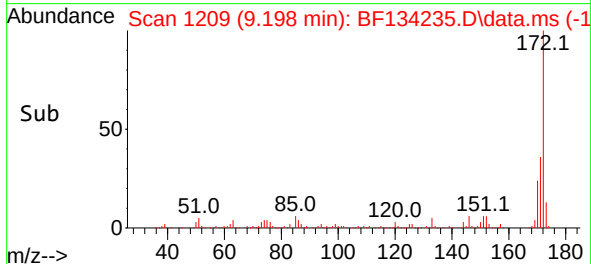
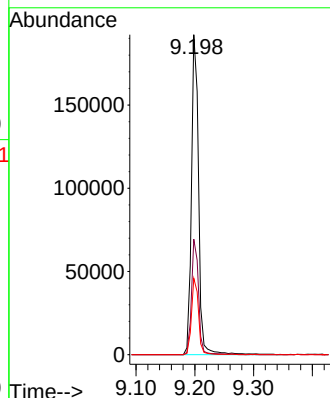
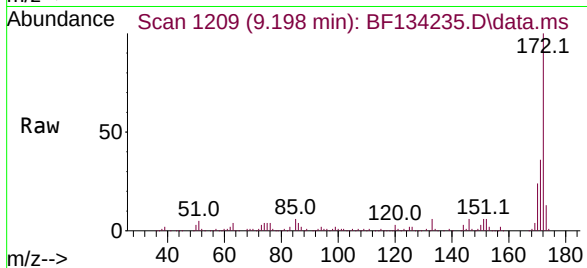
Tgt Ion:172 Resp: 162420

Ion Ratio Lower Upper

172 100

171 36.1 28.6 43.0

170 23.9 19.4 29.0



#49

Acenaphthylene

Concen: 2.263 ng

RT: 9.745 min Scan# 1302

Delta R.T. -0.000 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

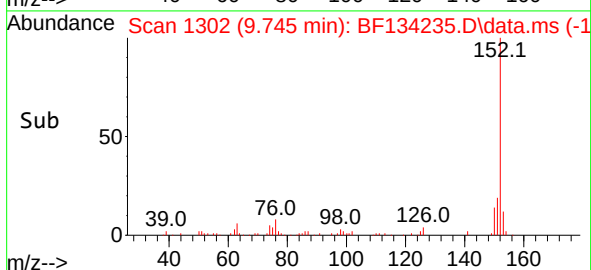
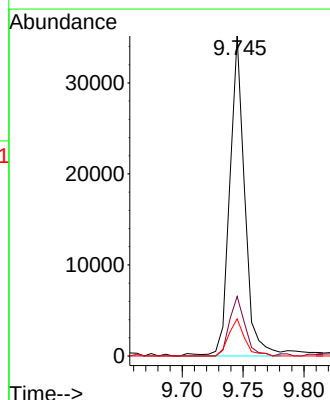
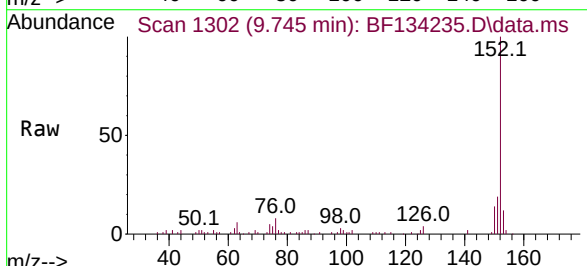
Tgt Ion:152 Resp: 30158

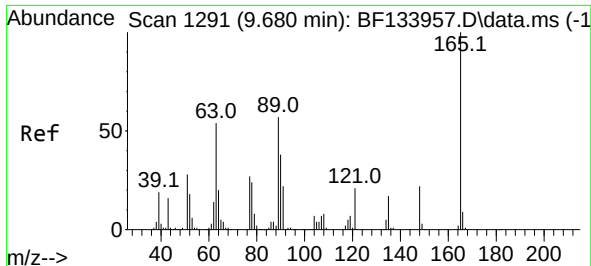
Ion Ratio Lower Upper

152 100

151 18.6 16.2 24.2

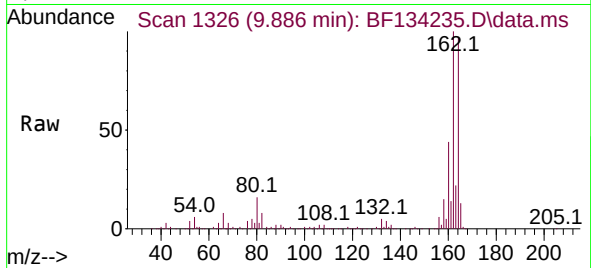
153 11.6 10.8 16.2



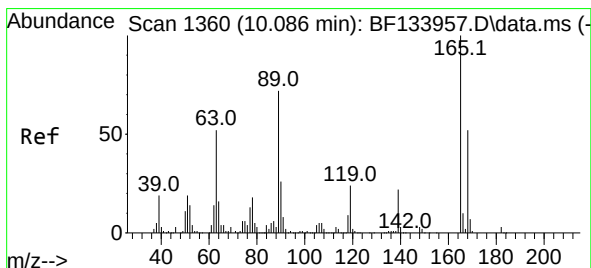
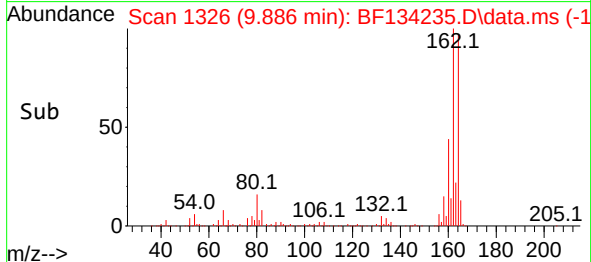
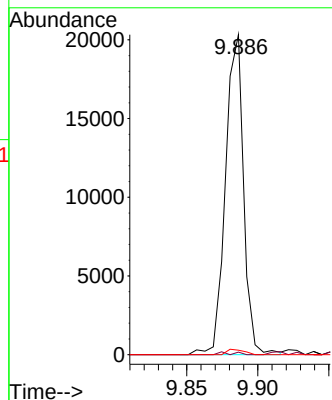


#51
2,6-Dinitrotoluene
Concen: 8.680 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.212 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21

Instrument :
BNA_F
ClientSampleId :

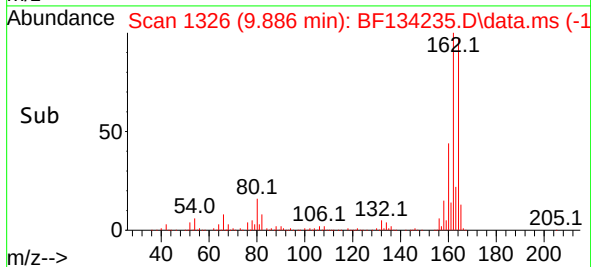
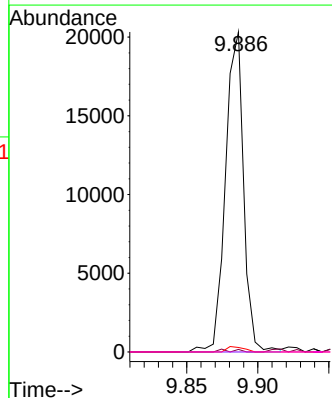
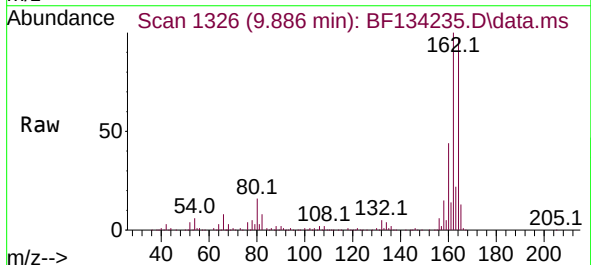


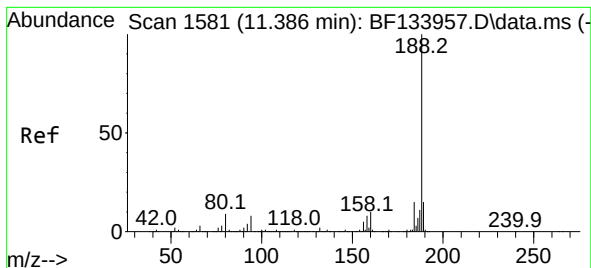
Tgt Ion:165 Resp: 18039
Ion Ratio Lower Upper
165 100
63 0.8 48.5 72.7#
89 1.4 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.572 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.194 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21

Tgt Ion:165 Resp: 18039
Ion Ratio Lower Upper
165 100
63 0.8 42.2 63.2#
89 1.4 57.4 86.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

Instrument :

BNA_F

ClientSampleId :

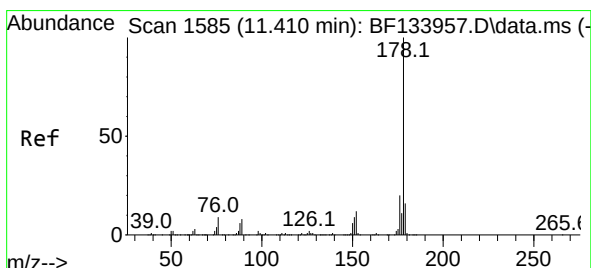
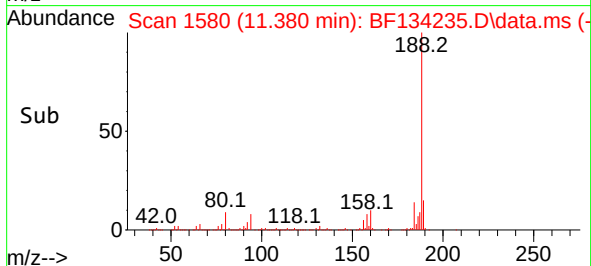
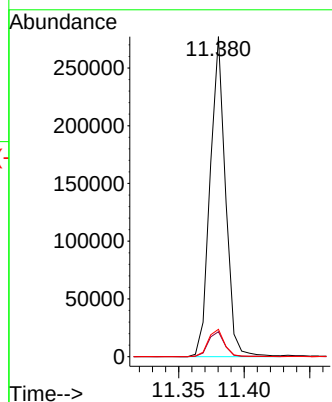
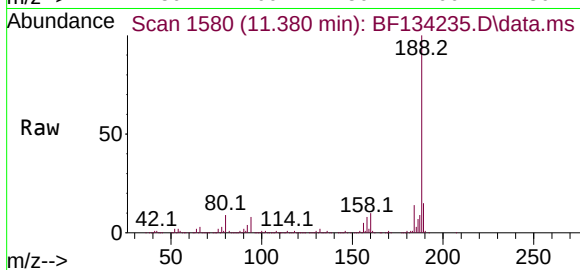
Tgt Ion:188 Resp: 226717

Ion Ratio Lower Upper

188 100

94 7.8 6.4 9.6

80 8.5 7.3 10.9



#71

Phenanthrene

Concen: 6.034 ng

RT: 11.404 min Scan# 1584

Delta R.T. -0.000 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

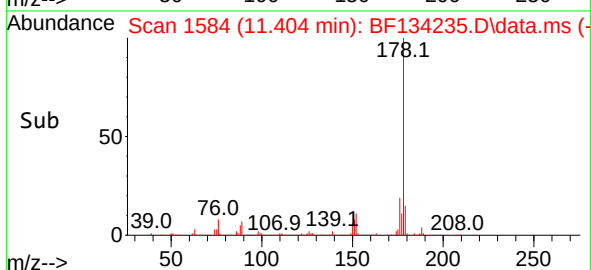
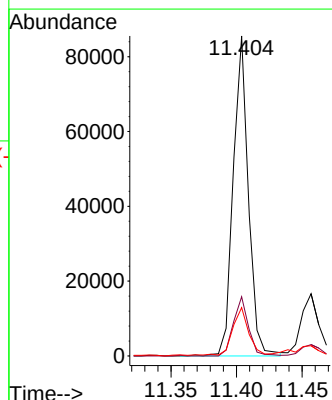
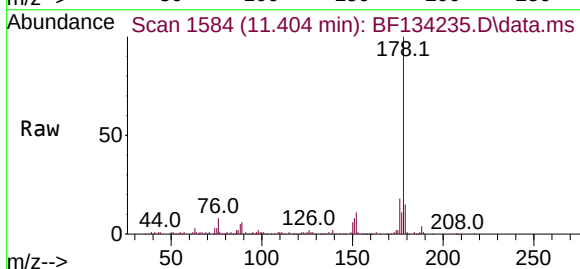
Tgt Ion:178 Resp: 68868

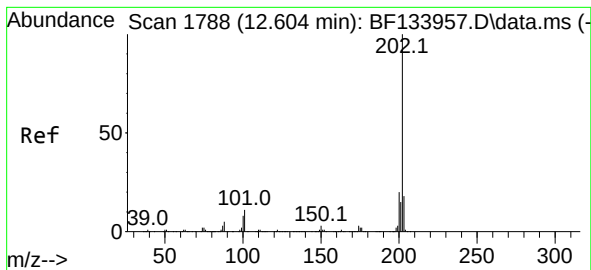
Ion Ratio Lower Upper

178 100

176 18.5 16.0 24.0

179 15.1 12.4 18.6





#75

Fluoranthene

Concen: 11.513 ng

RT: 12.604 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

Instrument :

BNA_F

ClientSampleId :

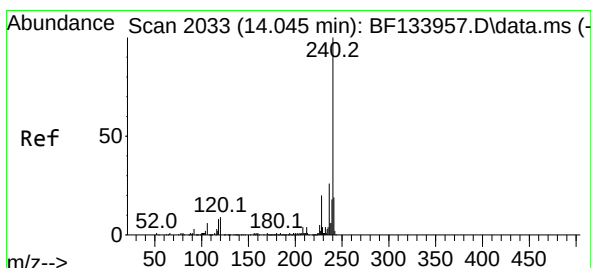
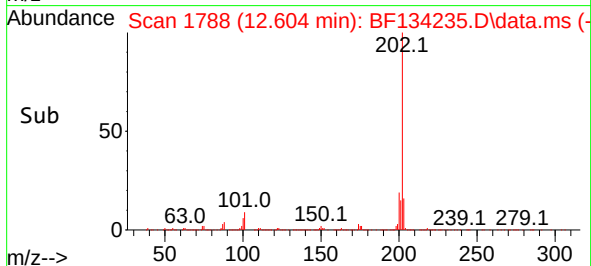
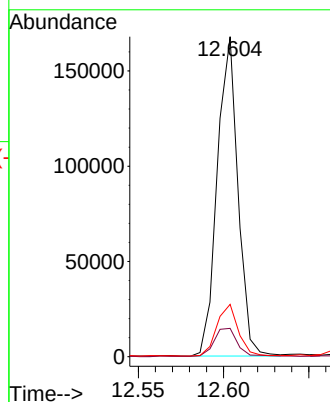
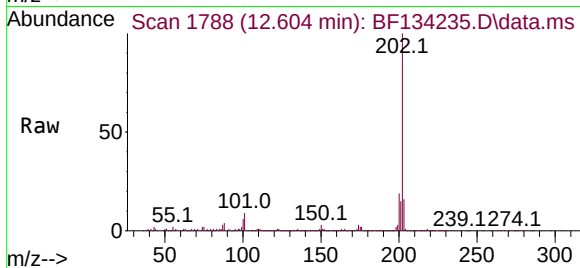
Tgt Ion:202 Resp: 142055

Ion Ratio Lower Upper

202 100

101 8.8 0.0 31.0

203 16.4 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: BF134235.D

Acq: 12 Jul 2023 03:21

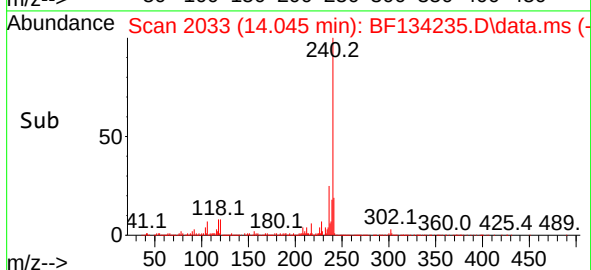
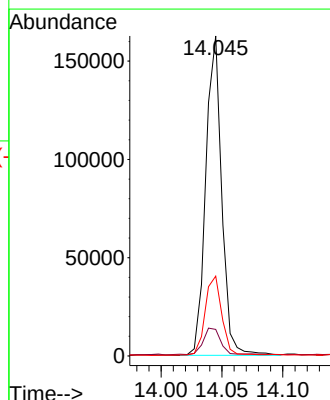
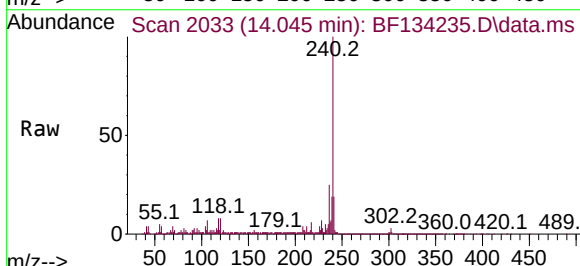
Tgt Ion:240 Resp: 147804

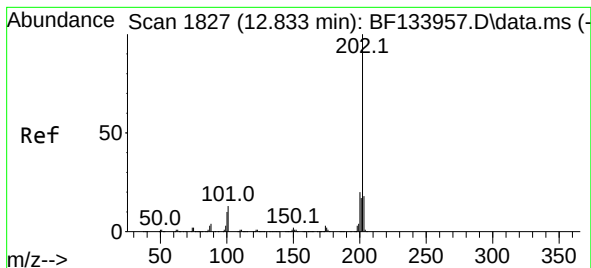
Ion Ratio Lower Upper

240 100

120 8.3 7.4 11.0

236 24.9 21.0 31.6





#78

Pyrene

Concen: 8.664 ng

RT: 12.833 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

Instrument :

BNA_F

ClientSampleId :

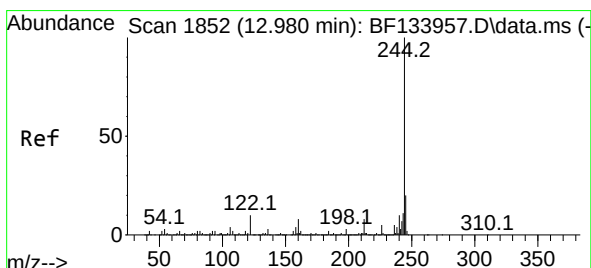
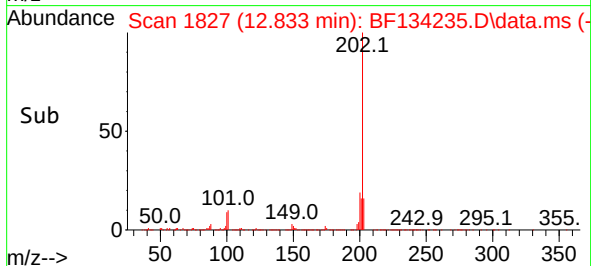
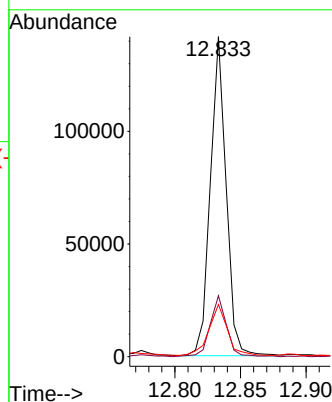
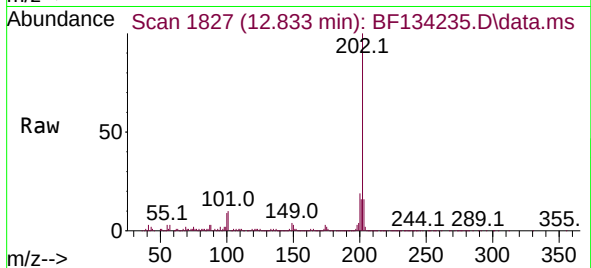
Tgt Ion:202 Resp: 119181

Ion Ratio Lower Upper

202 100

200 19.0 16.1 24.1

203 16.3 14.3 21.5



#79

Terphenyl-d14

Concen: 15.140 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

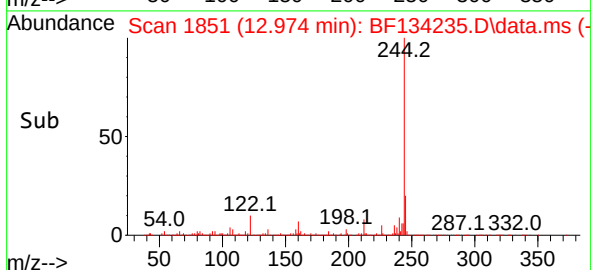
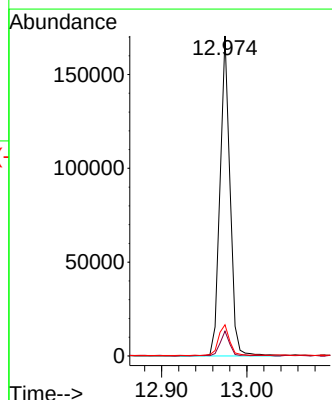
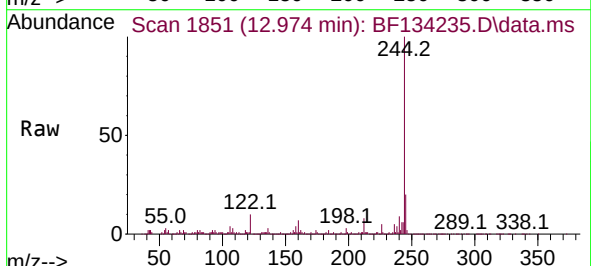
Tgt Ion:244 Resp: 139045

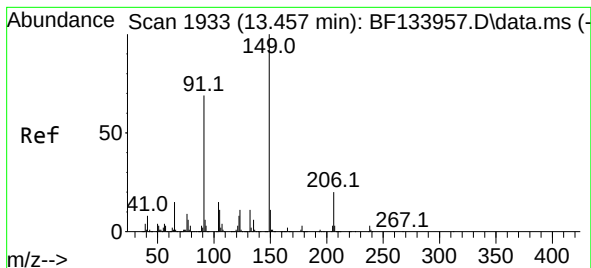
Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

122 9.8 8.3 12.5





#80

Butylbenzylphthalate

Concen: 84.472 ng

RT: 13.457 min Scan# 1933

Delta R.T. 0.006 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

Instrument :

BNA_F

ClientSampleId :

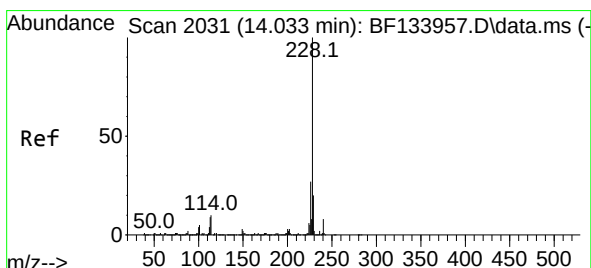
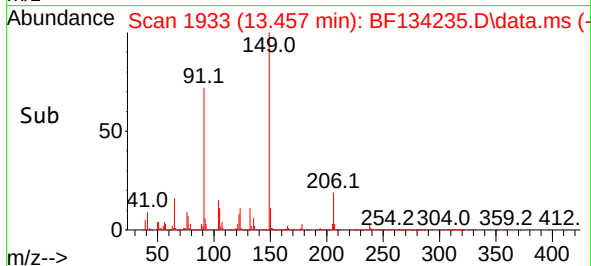
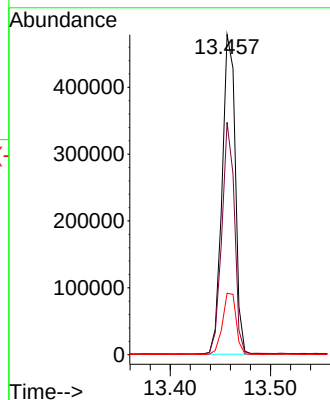
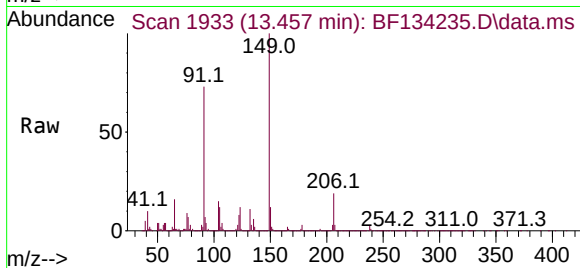
Tgt Ion:149 Resp: 435779

Ion Ratio Lower Upper

149 100

91 72.6 55.1 82.7

206 19.2 15.7 23.5



#81

Benzo(a)anthracene

Concen: 6.023 ng

RT: 14.068 min Scan# 2037

Delta R.T. 0.035 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

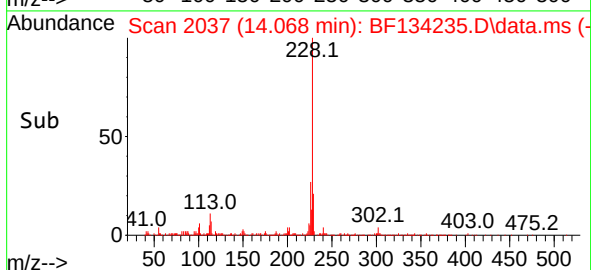
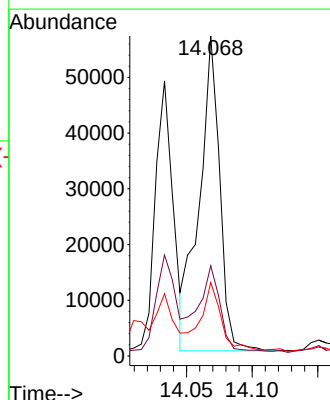
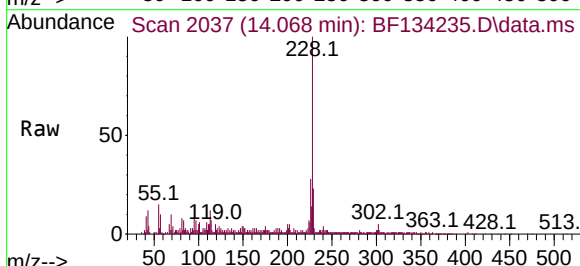
Tgt Ion:228 Resp: 61735

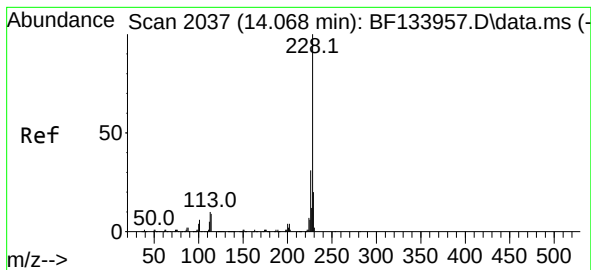
Ion Ratio Lower Upper

228 100

226 28.2 22.0 33.0

229 22.9 16.3 24.5





#83

Chrysene

Concen: 6.218 ng

RT: 14.068 min Scan# 2037

Delta R.T. -0.000 min

Lab File: BF134235.D

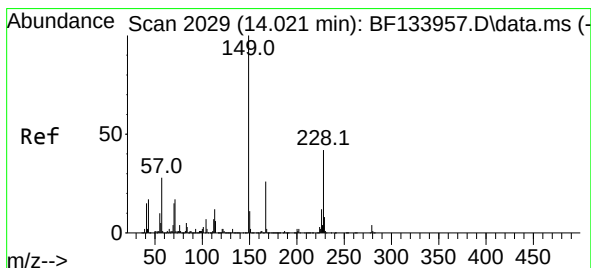
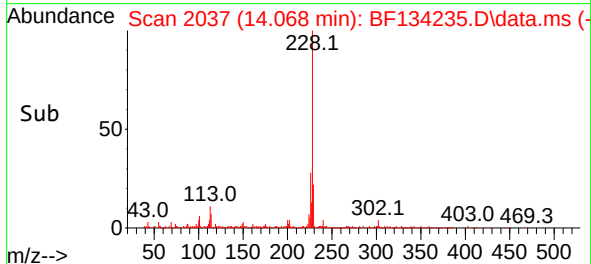
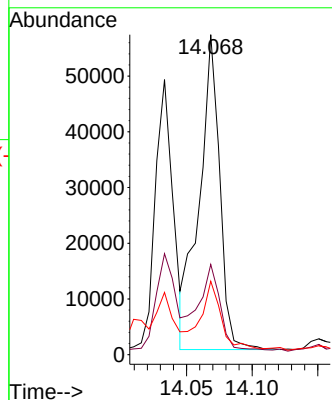
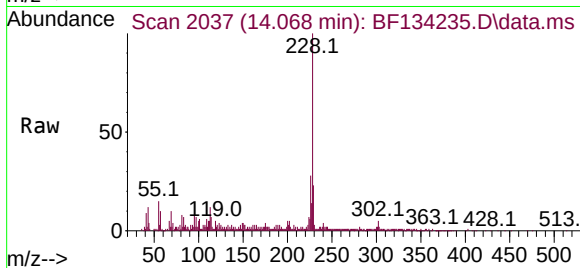
Acq: 12 Jul 2023 03:21

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	228	Resp:	61735
Ion Ratio	Lower	Upper	
228	100		
226	28.2	24.4	36.6
229	22.9	16.1	24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.268 ng

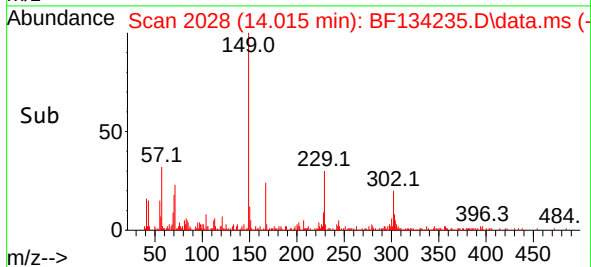
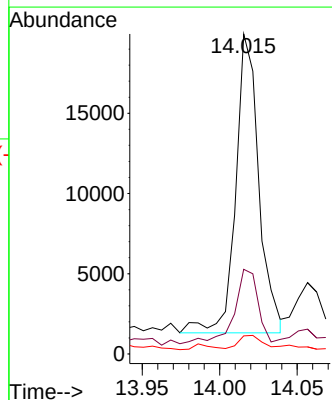
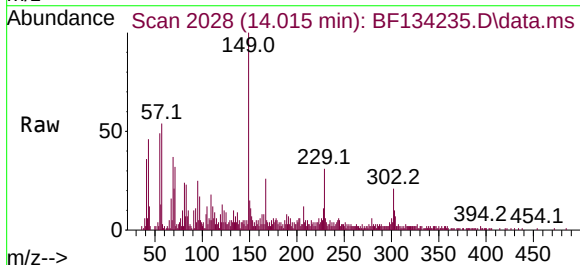
RT: 14.015 min Scan# 2028

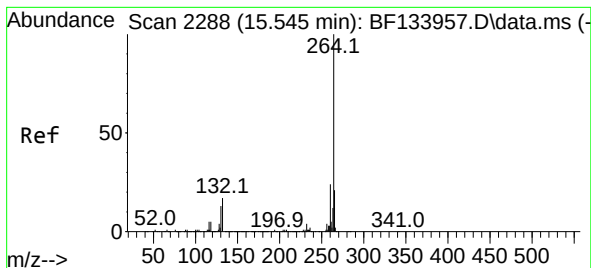
Delta R.T. -0.000 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

Tgt Ion:	149	Resp:	19370
Ion Ratio	Lower	Upper	
149	100		
167	26.5	21.0	31.4
279	5.7	3.3	4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

Instrument :

BNA_F

ClientSampleId :

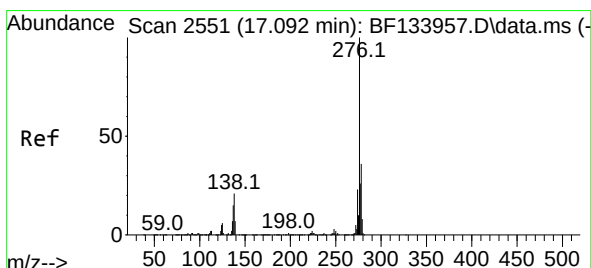
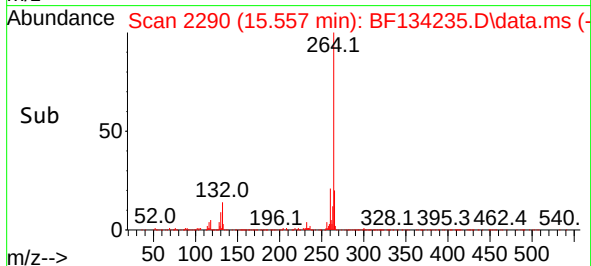
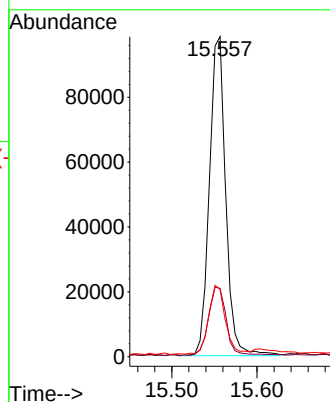
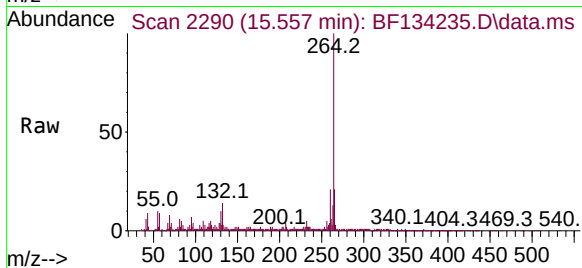
Tgt Ion:264 Resp: 131304

Ion Ratio Lower Upper

264 100

260 21.3 19.5 29.3

265 21.1 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.878 ng

RT: 17.103 min Scan# 2553

Delta R.T. 0.006 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

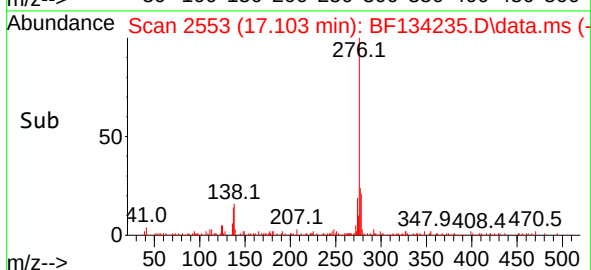
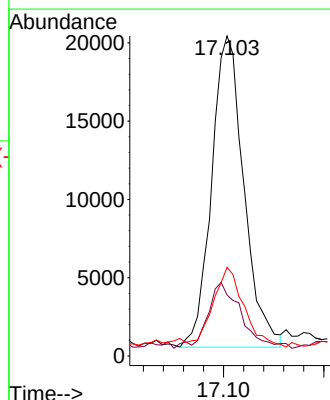
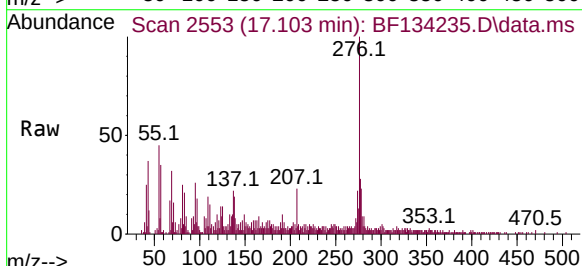
Tgt Ion:276 Resp: 44446

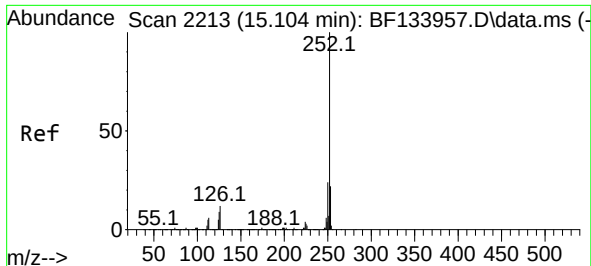
Ion Ratio Lower Upper

276 100

138 21.9 18.7 28.1

277 24.6 19.9 29.9

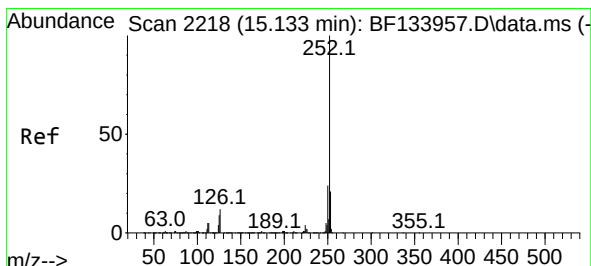
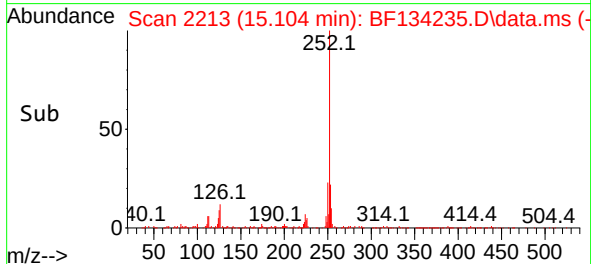
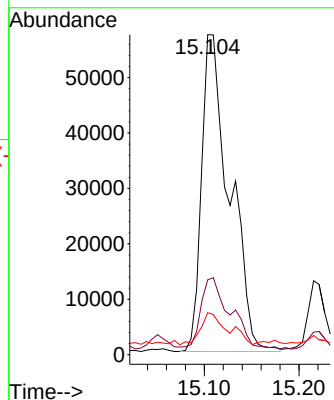
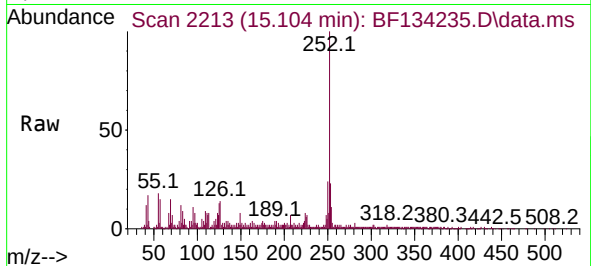




#88
Benzo(b)fluoranthene
Concen: 15.228 ng
RT: 15.104 min Scan# 211
Delta R.T. -0.000 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21

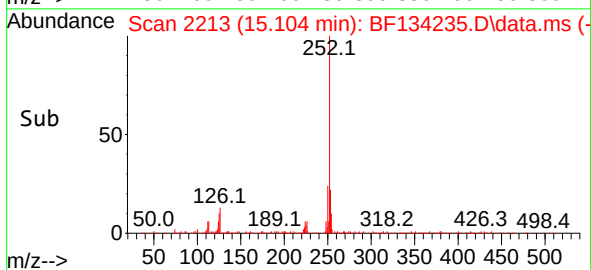
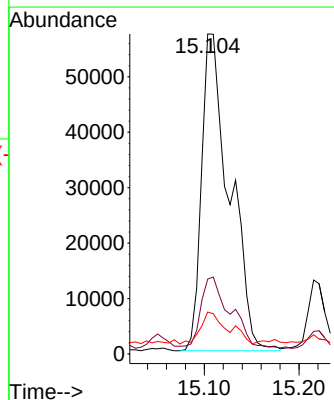
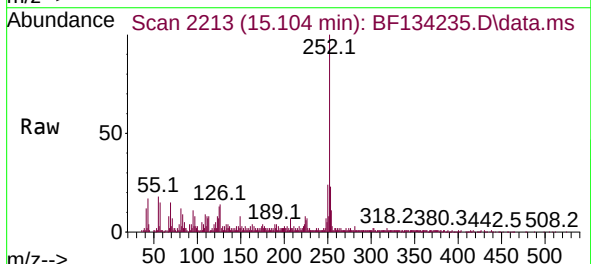
Instrument :
BNA_F
ClientSampleId :

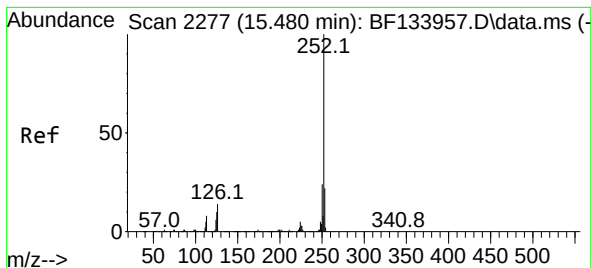
Tgt Ion:252 Resp: 117571
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 13.1 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 14.956 ng
RT: 15.104 min Scan# 2213
Delta R.T. -0.029 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21

Tgt Ion:252 Resp: 117571
Ion Ratio Lower Upper
252 100
253 23.4 16.9 25.3
125 13.1 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 6.727 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134235.D

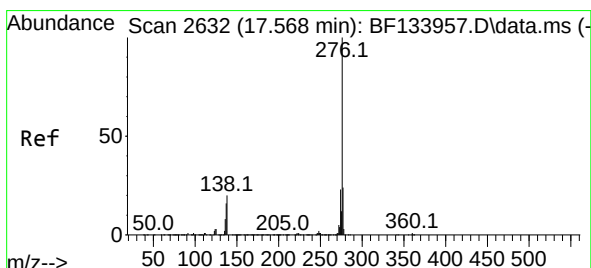
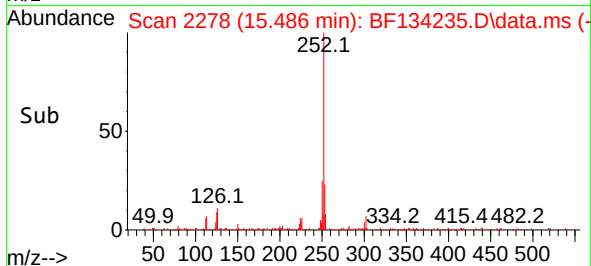
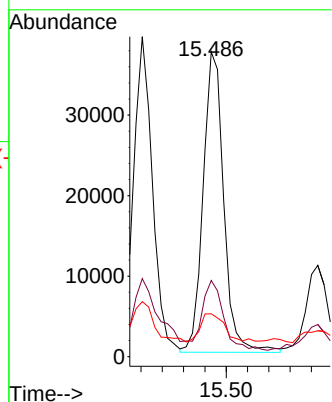
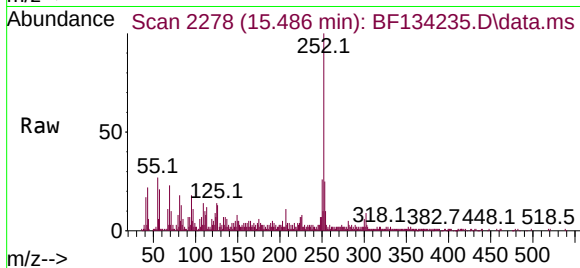
Acq: 12 Jul 2023 03:21

Instrument :

BNF

ClientSampleId :

Tgt Ion:252	Resp:	50226
Ion Ratio	Lower	Upper
252	100	
253	25.0	17.4 26.0
125	14.0	8.4 12.6#



#92

Benzo(g,h,i)perylene

Concen: 5.469 ng

RT: 17.574 min Scan# 2633

Delta R.T. 0.006 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

Tgt Ion:276	Resp:	41969
Ion Ratio	Lower	Upper
276	100	
277	25.8	19.0 28.6
138	26.2	16.2 24.2#

