

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071423\
 Data File : BF134312.D
 Acq On : 15 Jul 2023 03:41
 Operator : CG\JU
 Sample : 03597-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-46-(2-5)

Quant Time: Jul 15 04:36:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

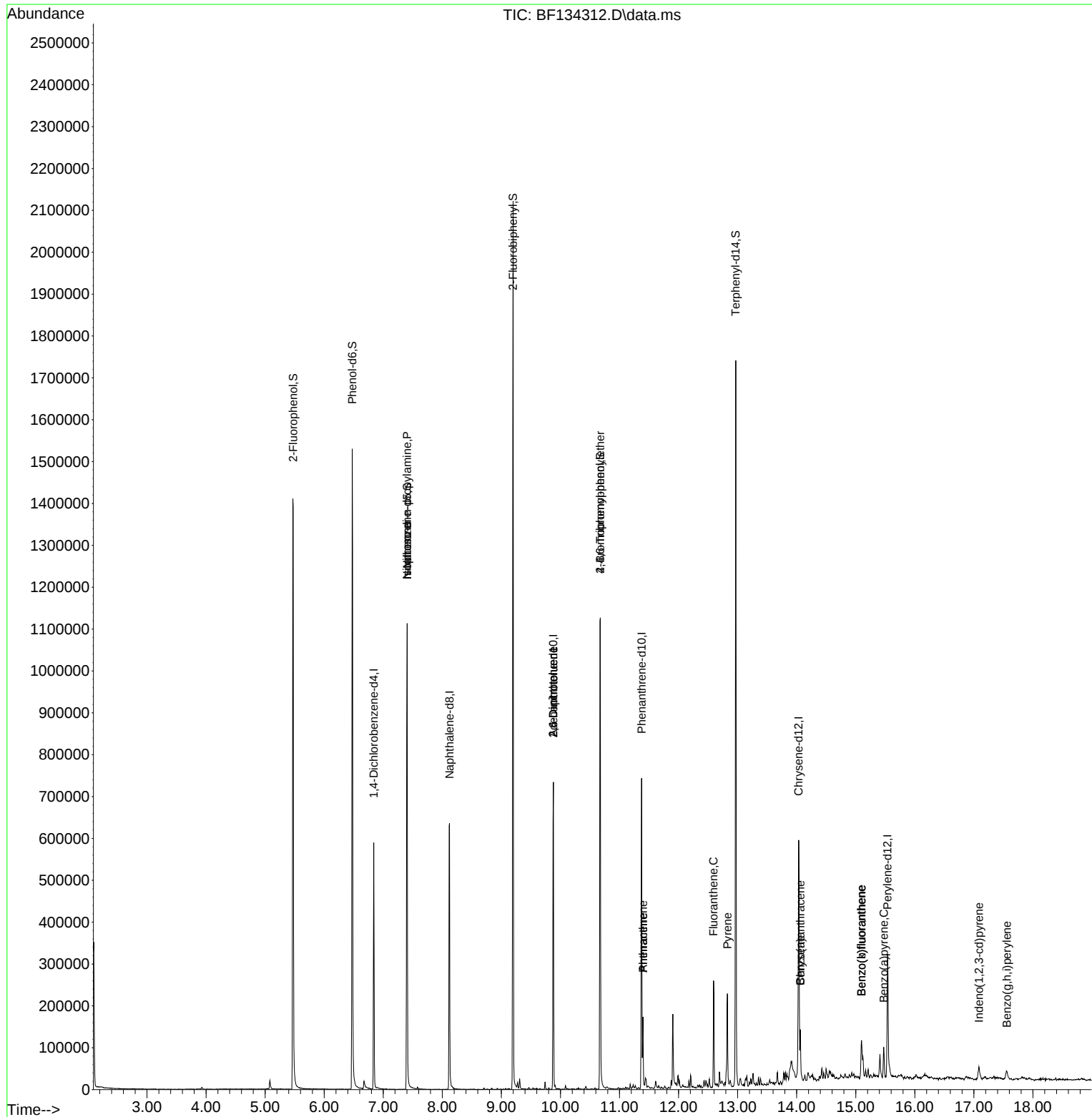
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	78407	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	295650	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	144353	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	263514	20.000	ng	0.00
76) Chrysene-d12	14.033	240	178621	20.000	ng	0.00
86) Perylene-d12	15.539	264	144196	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	398377	84.991	ng	0.00
7) Phenol-d6	6.475	99	475197	82.436	ng	-0.01
23) Nitrobenzene-d5	7.404	82	327540	59.720	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	152300	84.148	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	595626	59.990	ng	0.00
79) Terphenyl-d14	12.969	244	567410	51.125	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.475	77	736	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.404	70	44637	12.211	ng	# 75
25) Isophorone	7.404	82	327538	32.859	ng	# 64
51) 2,6-Dinitrotoluene	9.881	165	18986	8.412	ng	# 23
57) 2,4-Dinitrotoluene	9.881	165	18986	6.370	ng	# 22
67) 4-Bromophenyl-phenylether	10.675	248	8835	3.154	ng	# 1
71) Phenanthrene	11.398	178	57155	4.308	ng	99
72) Anthracene	11.398	178	57155	4.142	ng	98
75) Fluoranthene	12.592	202	101543	7.080	ng	98
78) Pyrene	12.827	202	94161	5.664	ng	96
81) Benzo(a)anthracene	14.063	228	50188	4.051	ng	97
83) Chrysene	14.063	228	50188	4.183	ng	96
87) Indeno(1,2,3-cd)pyrene	17.086	276	21439	2.143	ng	95
88) Benzo(b)fluoranthene	15.098	252	69173	8.158	ng	97
89) Benzo(k)fluoranthene	15.098	252	69173	8.013	ng	97
90) Benzo(a)pyrene	15.474	252	34098	4.159	ng	98
92) Benzo(g,h,i)perylene	17.557	276	19422	2.304	ng	96

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

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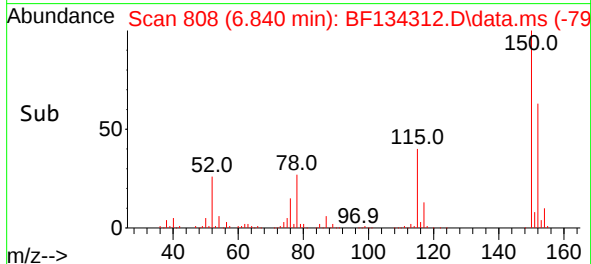
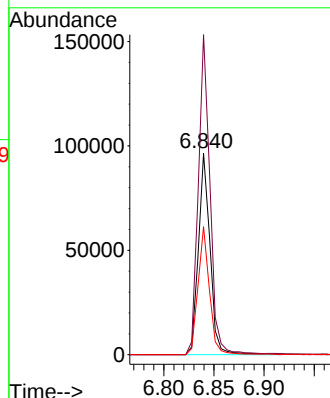
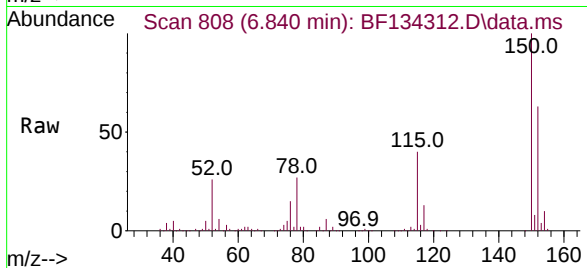




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 810
Delta R.T. -0.005 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

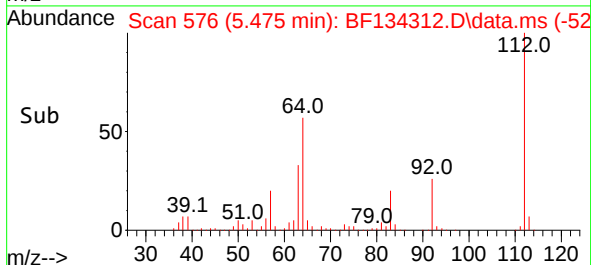
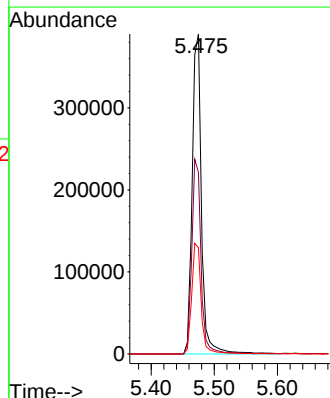
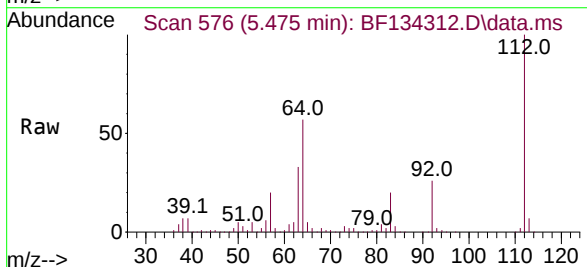
Instrument :
BNA_F
ClientSampleId :
RB-46-(2-5)

Tgt Ion:152 Resp: 78407
Ion Ratio Lower Upper
152 100
150 159.0 124.5 186.7
115 63.6 50.2 75.2



#5
2-Fluorophenol
Concen: 84.991 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

Tgt Ion:112 Resp: 398377
Ion Ratio Lower Upper
112 100
64 56.7 52.1 78.1
63 33.2 28.6 42.8

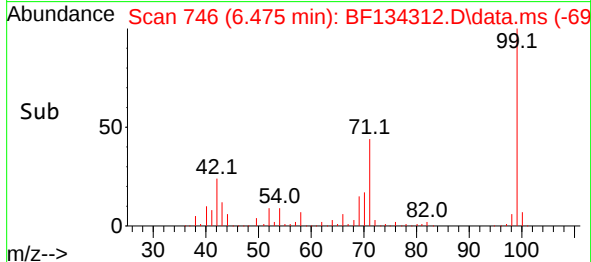
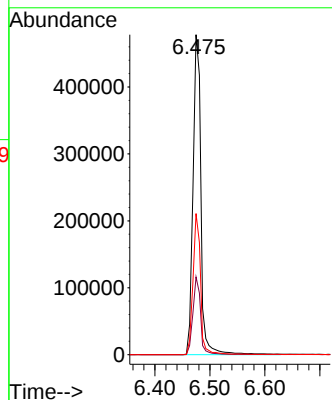
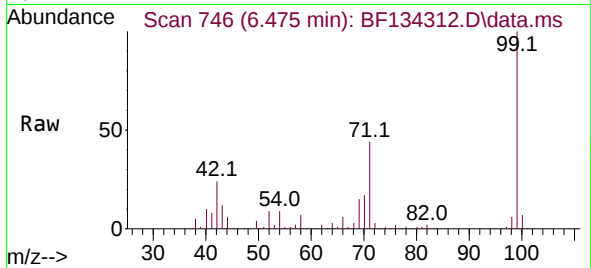




#7
Phenol-d6
Concen: 82.436 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

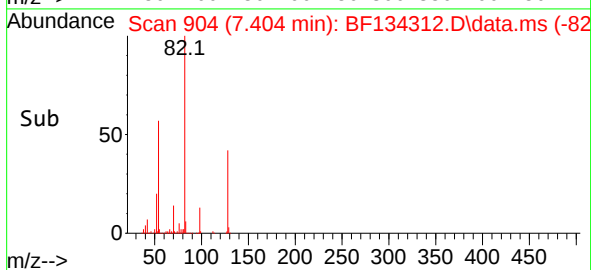
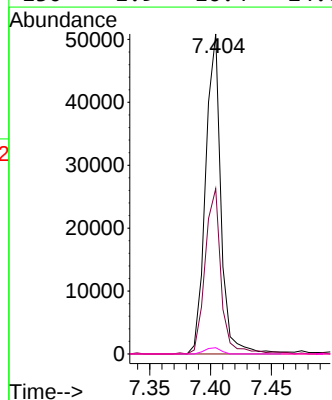
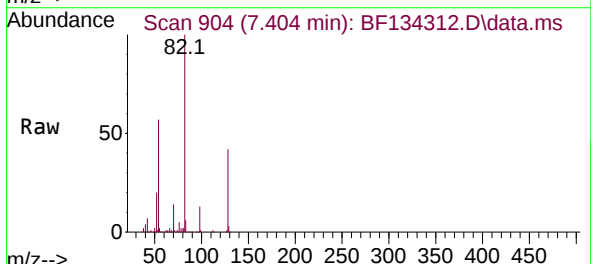
Instrument :
BNA_F
ClientSampleId :
RB-46-(2-5)

Tgt Ion: 99 Resp: 475197
Ion Ratio Lower Upper
99 100
42 24.3 19.8 29.6
71 44.1 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.211 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.147 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

Tgt Ion: 70 Resp: 44637
Ion Ratio Lower Upper
70 100
42 51.7 54.7 82.1#
101 0.0 7.7 11.5#
130 1.9 16.4 24.6#



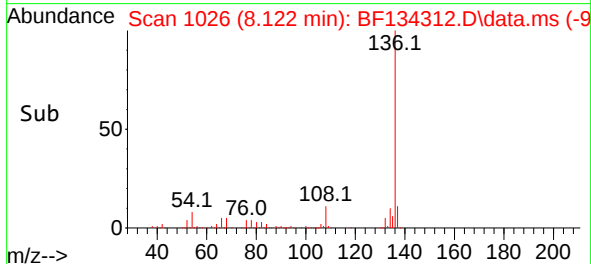
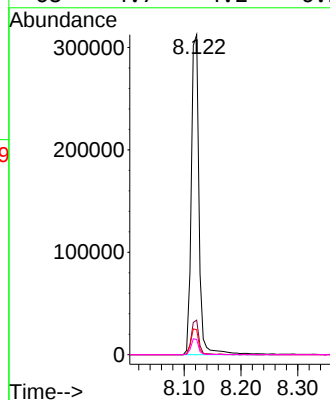
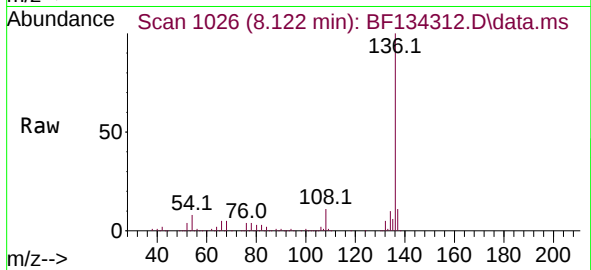


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

Instrument :
BNA_F
ClientSampleId :
RB-46-(2-5)

Tgt Ion:136 Resp: 295650

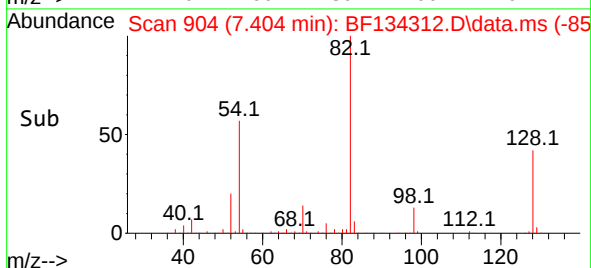
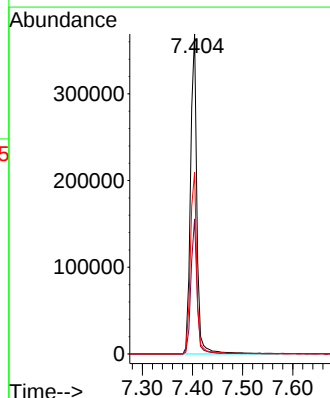
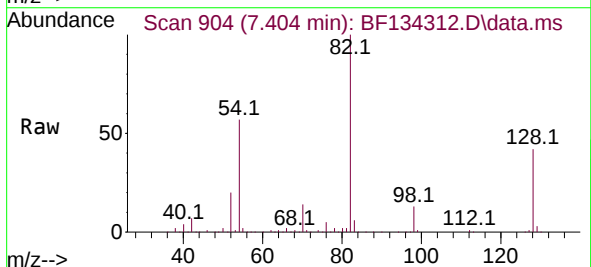
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	7.8	6.5	9.7
68	4.7	4.2	6.2



#23
Nitrobenzene-d5
Concen: 59.720 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

Tgt Ion: 82 Resp: 327540

Ion	Ratio	Lower	Upper
82	100		
128	42.2	32.5	48.7
54	56.8	48.2	72.2

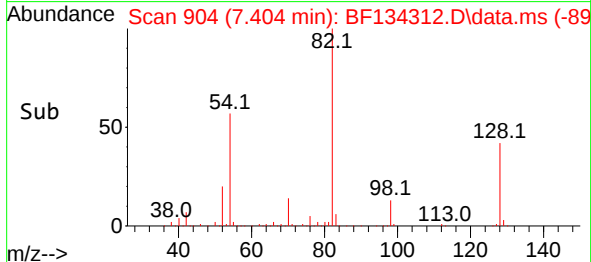
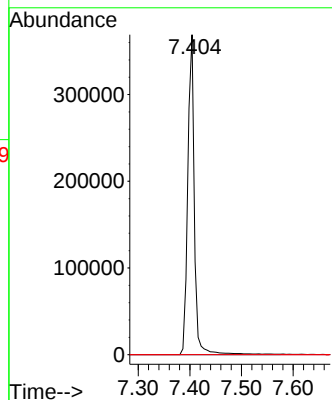
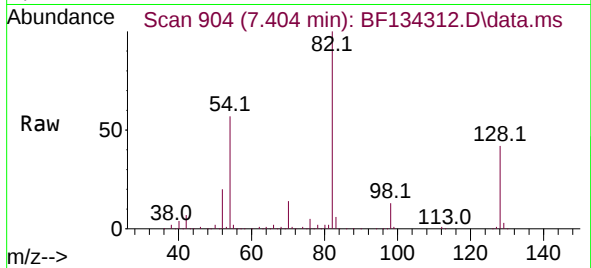




#25
Isophorone
Concen: 32.859 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

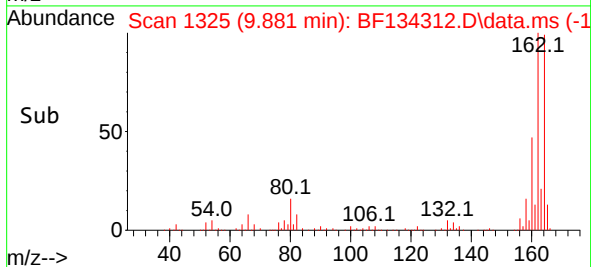
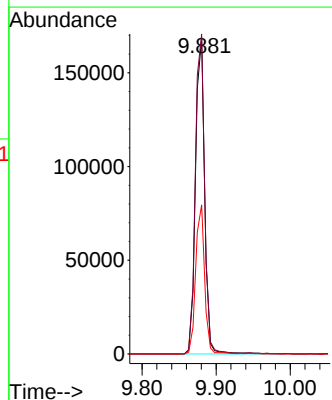
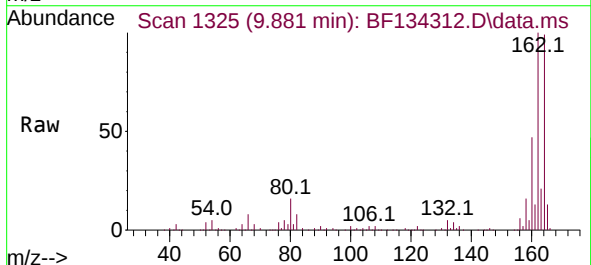
Instrument :
BNA_F
ClientSampleId :
RB-46-(2-5)

Tgt Ion: 82 Resp: 327538
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

Tgt Ion: 164 Resp: 144353
Ion Ratio Lower Upper
164 100
162 101.1 80.0 120.0
160 47.1 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 84.148 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

Instrument :

BNA_F

ClientSampleId :

RB-46-(2-5)

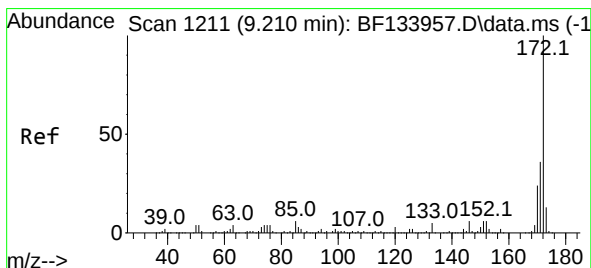
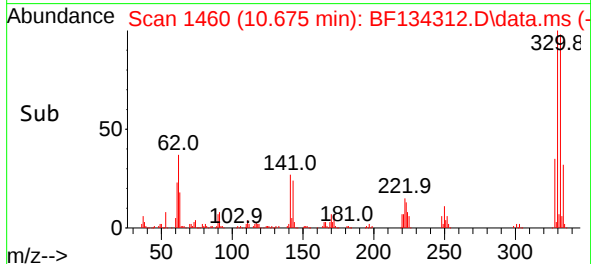
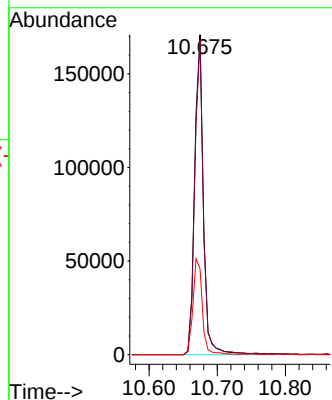
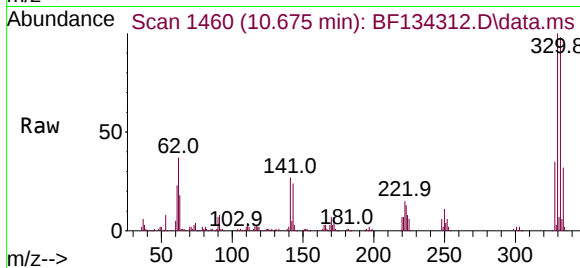
Tgt Ion:330 Resp: 152300

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

141 31.9 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 59.990 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.006 min

Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

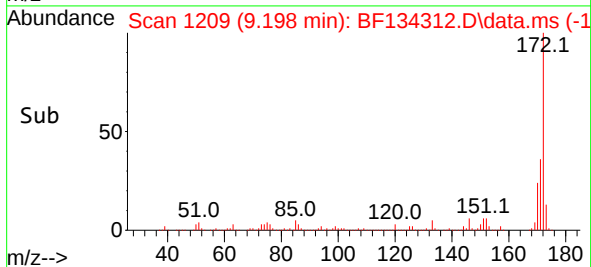
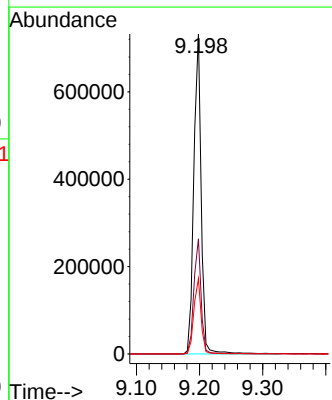
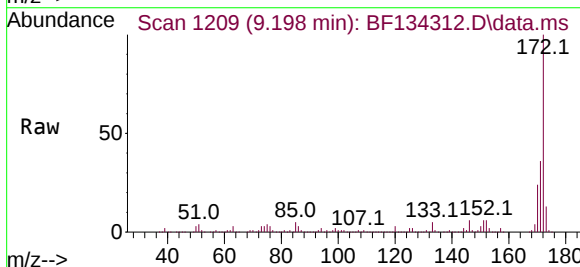
Tgt Ion:172 Resp: 595626

Ion Ratio Lower Upper

172 100

171 36.0 28.6 43.0

170 23.6 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.412 ng

RT: 9.881 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

Instrument :

BNA_F

ClientSampleId :

RB-46-(2-5)

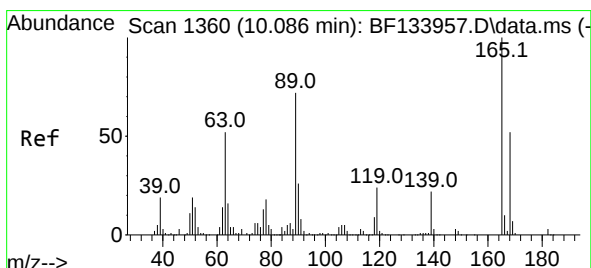
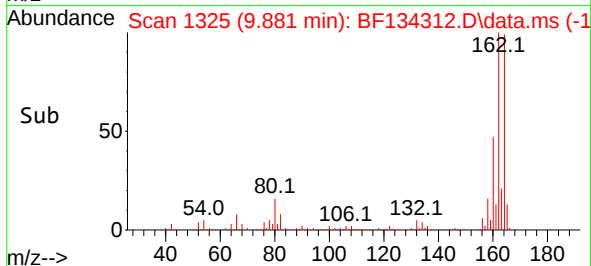
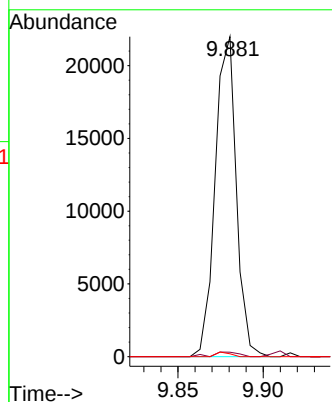
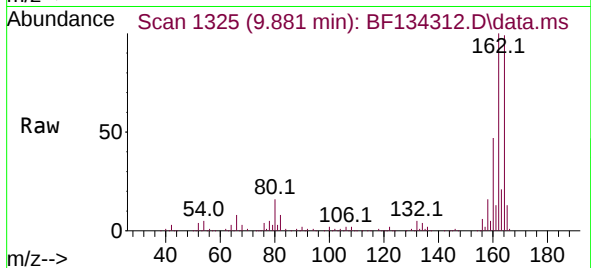
Tgt Ion:165 Resp: 18986

Ion Ratio Lower Upper

165 100

63 1.4 48.5 72.7#

89 0.9 45.5 68.3#



#57

2,4-Dinitrotoluene

Concen: 6.370 ng

RT: 9.881 min Scan# 1325

Delta R.T. -0.200 min

Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

Tgt Ion:165 Resp: 18986

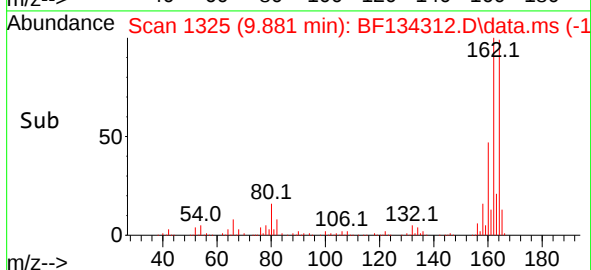
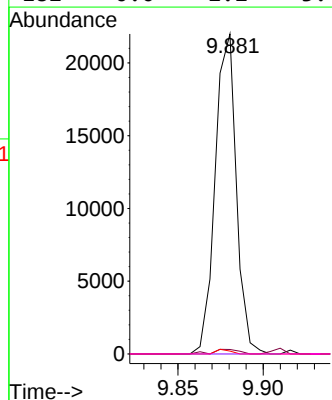
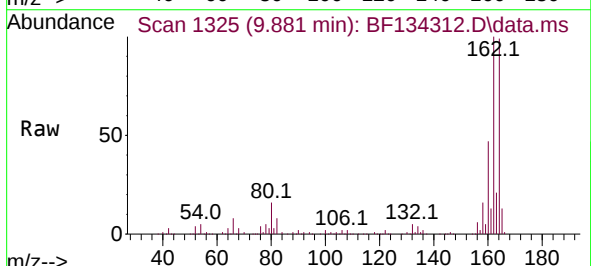
Ion Ratio Lower Upper

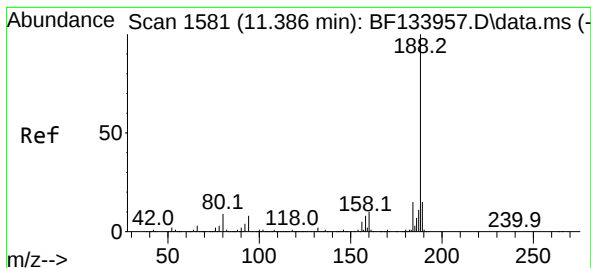
165 100

63 1.4 42.2 63.2#

89 0.9 57.4 86.2#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

Instrument :

BNA_F

ClientSampleId :

RB-46-(2-5)

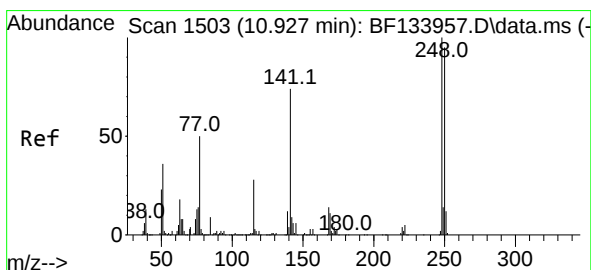
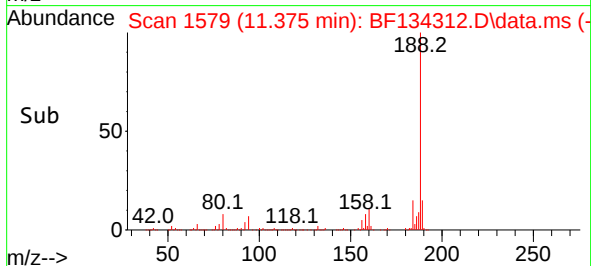
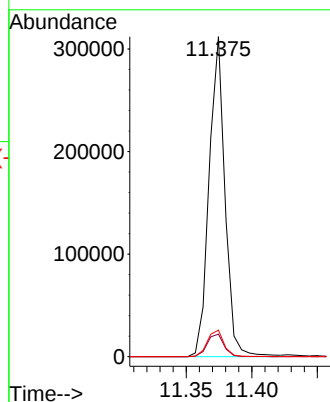
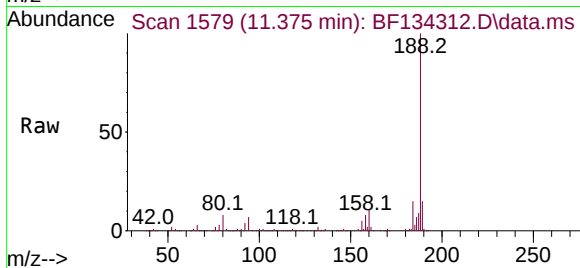
Tgt Ion:188 Resp: 263514

Ion Ratio Lower Upper

188 100

94 7.0 6.4 9.6

80 8.3 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.154 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.241 min

Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

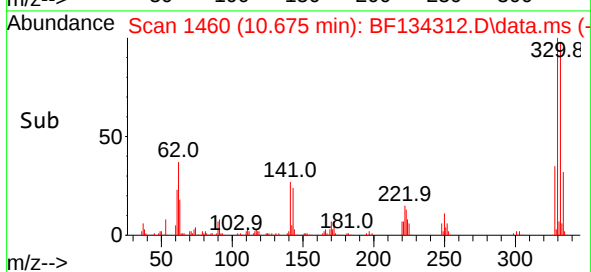
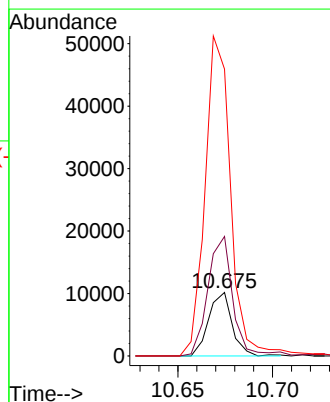
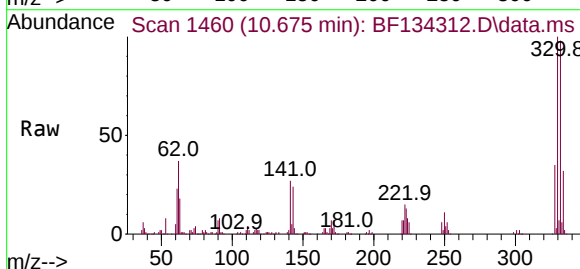
Tgt Ion:248 Resp: 8835

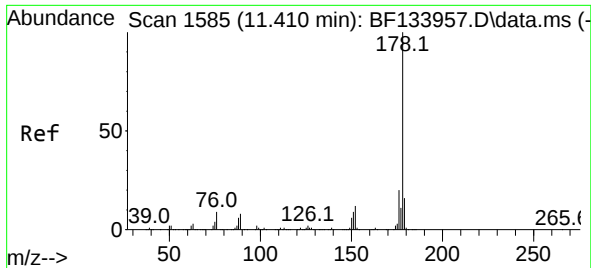
Ion Ratio Lower Upper

248 100

250 188.1 76.2 114.4#

141 451.7 59.0 88.4#

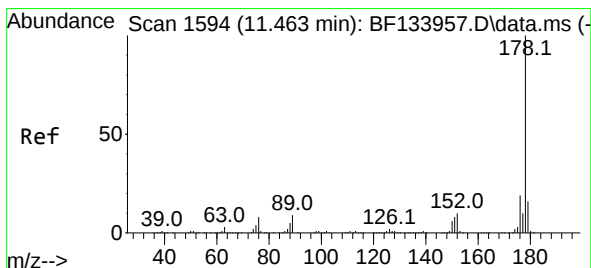
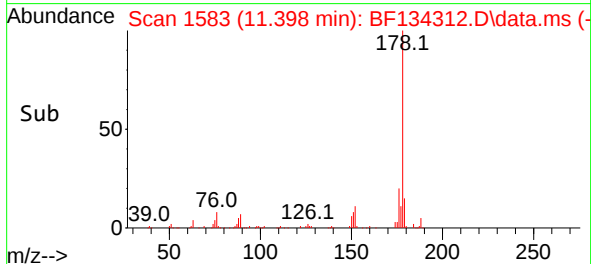
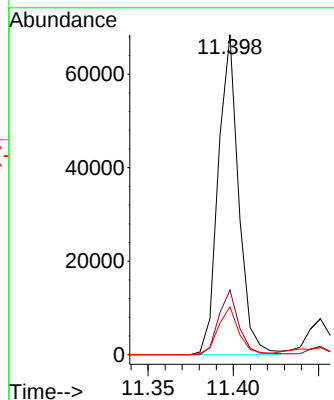
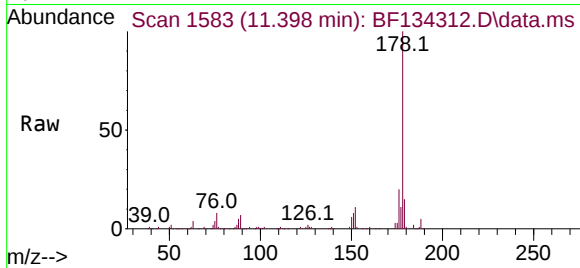




#71
Phenanthrene
Concen: 4.308 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

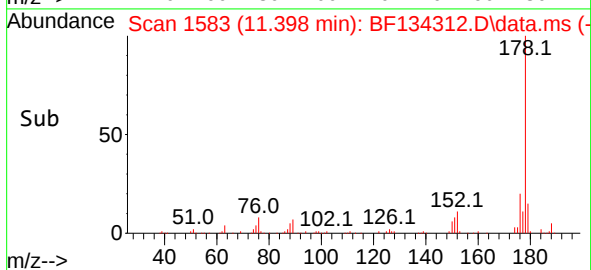
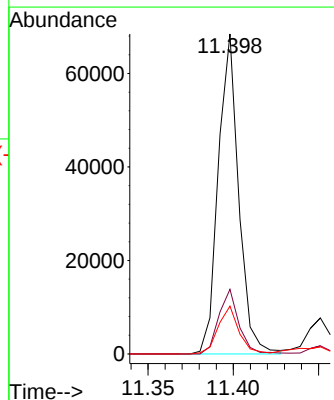
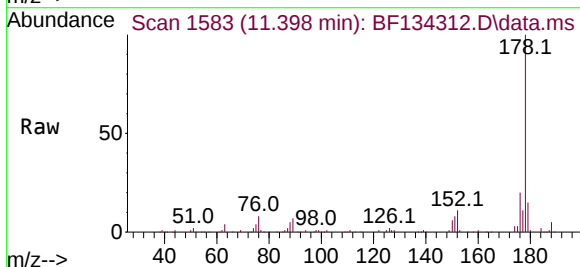
Instrument :
BNA_F
ClientSampleId :
RB-46-(2-5)

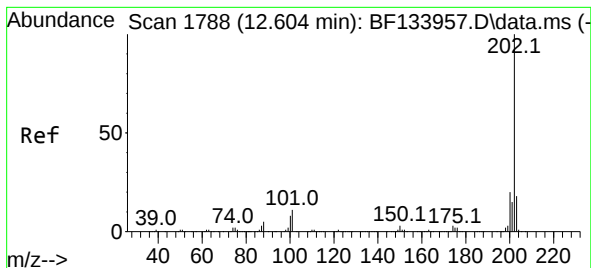
Tgt Ion:178 Resp: 57155
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 14.9 12.4 18.6



#72
Anthracene
Concen: 4.142 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.059 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

Tgt Ion:178 Resp: 57155
Ion Ratio Lower Upper
178 100
176 20.2 15.3 22.9
179 14.9 12.4 18.6





#75

Fluoranthene

Concen: 7.080 ng

RT: 12.592 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

Instrument :

BNA_F

ClientSampleId :

RB-46-(2-5)

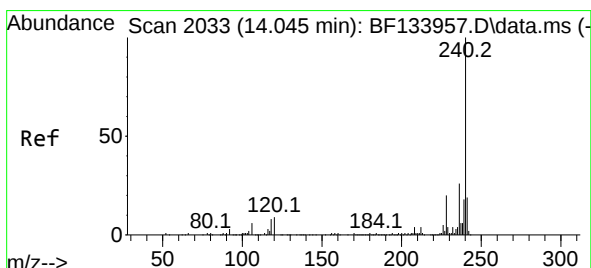
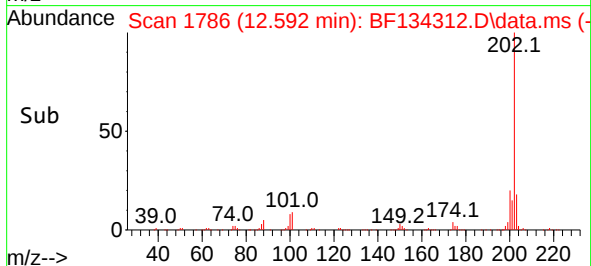
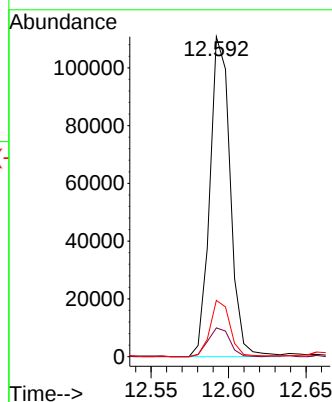
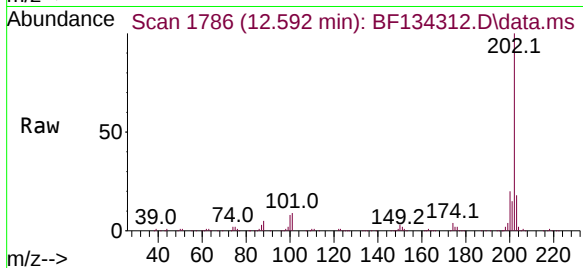
Tgt Ion:202 Resp: 101543

Ion Ratio Lower Upper

202 100

101 9.0 0.0 31.0

203 17.6 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

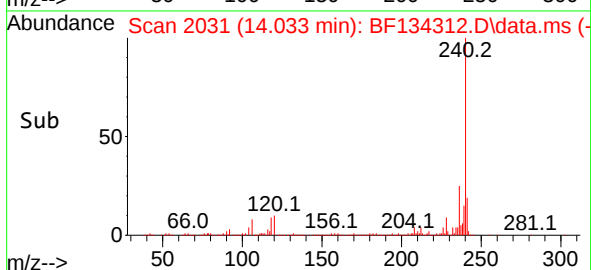
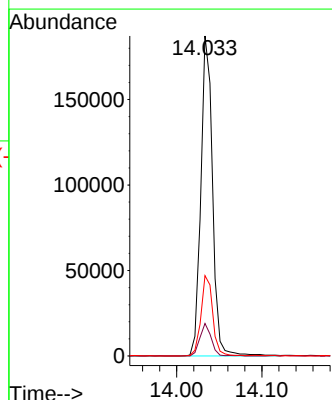
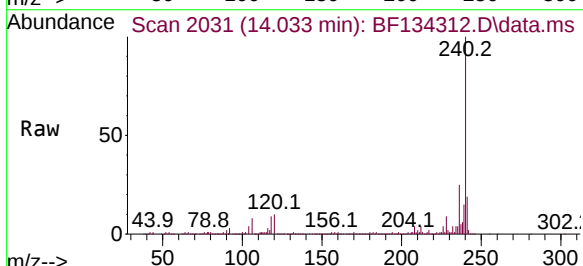
Tgt Ion:240 Resp: 178621

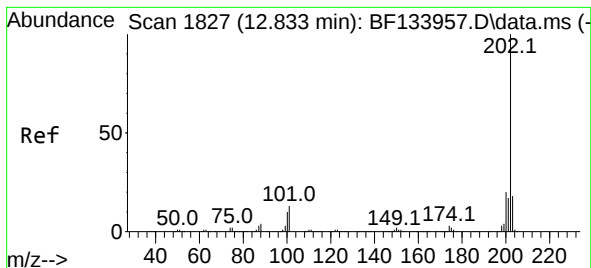
Ion Ratio Lower Upper

240 100

120 10.2 7.4 11.0

236 25.1 21.0 31.6





#78

Pyrene

Concen: 5.664 ng

RT: 12.827 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

Instrument :

BNA_F

ClientSampleId :

RB-46-(2-5)

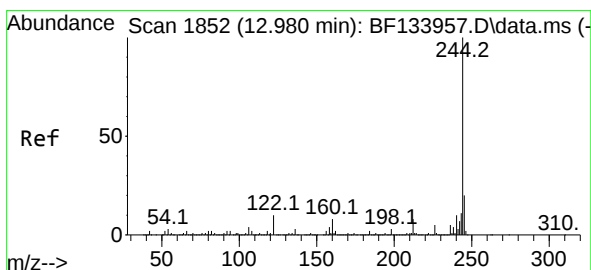
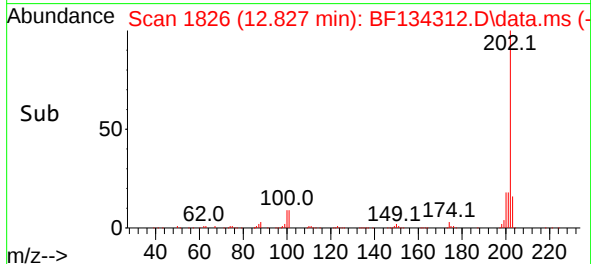
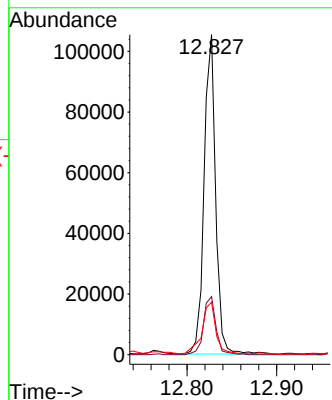
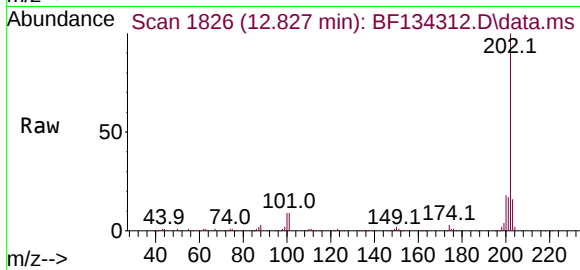
Tgt Ion:202 Resp: 94161

Ion Ratio Lower Upper

202 100

200 18.1 16.1 24.1

203 16.5 14.3 21.5



#79

Terphenyl-d14

Concen: 51.125 ng

RT: 12.969 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

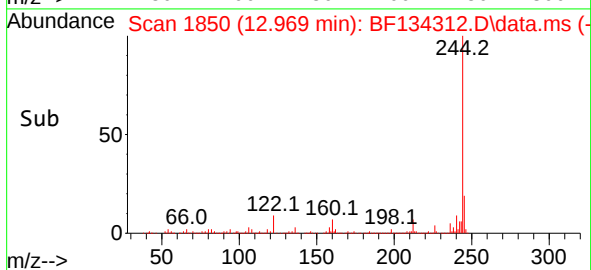
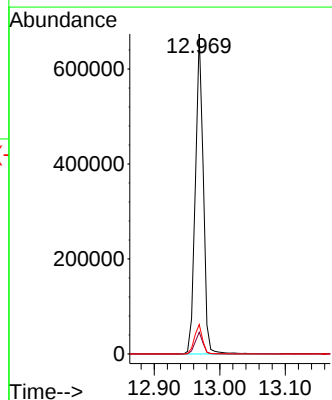
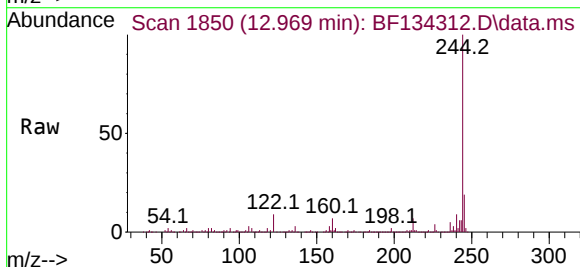
Tgt Ion:244 Resp: 567410

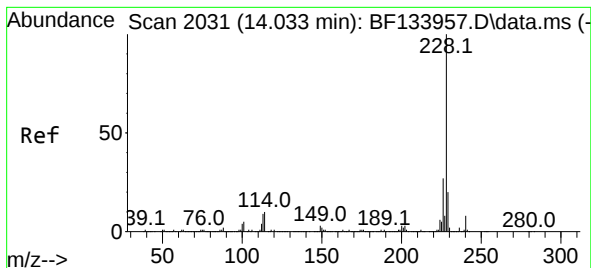
Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 9.2 8.3 12.5





#81

Benzo(a)anthracene

Concen: 4.051 ng

RT: 14.063 min Scan# 2036

Delta R.T. 0.035 min

Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

Instrument :

BNA_F

ClientSampleId :

RB-46-(2-5)

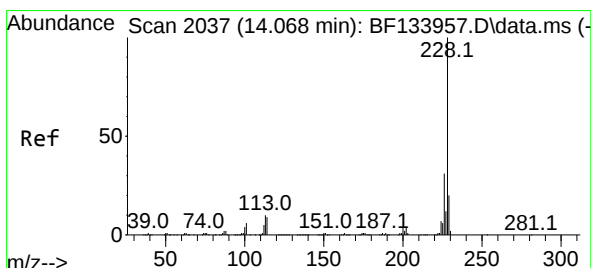
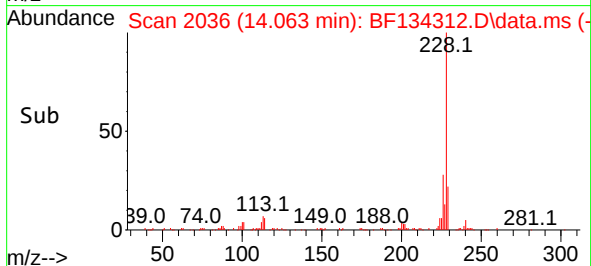
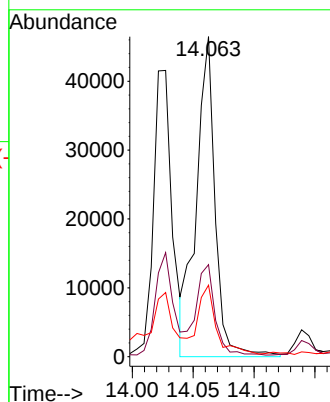
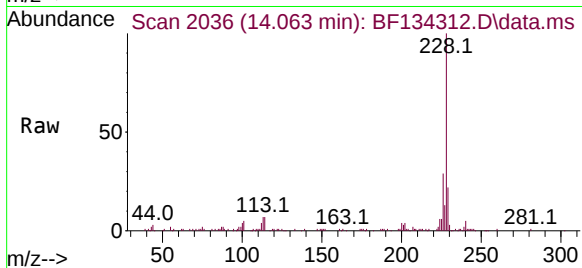
Tgt Ion:228 Resp: 50188

Ion Ratio Lower Upper

228 100

226 28.7 22.0 33.0

229 22.4 16.3 24.5



#83

Chrysene

Concen: 4.183 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

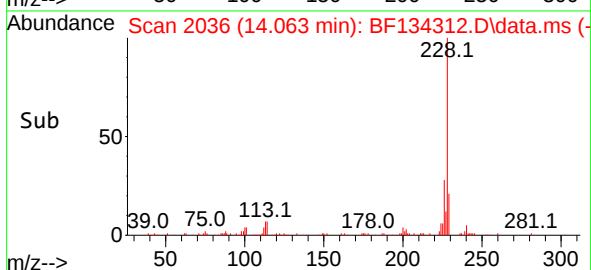
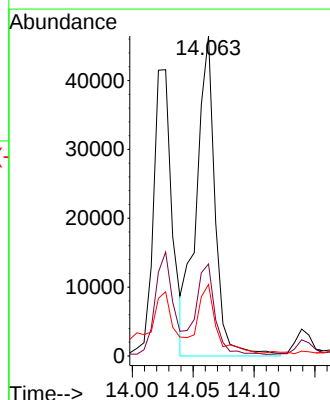
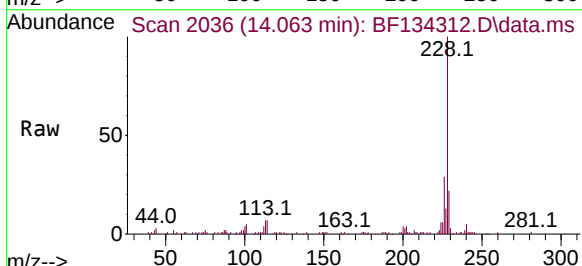
Tgt Ion:228 Resp: 50188

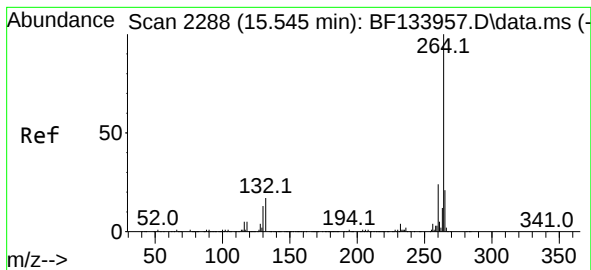
Ion Ratio Lower Upper

228 100

226 28.7 24.4 36.6

229 22.4 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

Instrument :

BNA_F

ClientSampleId :

RB-46-(2-5)

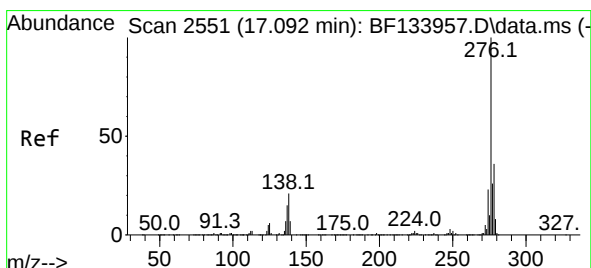
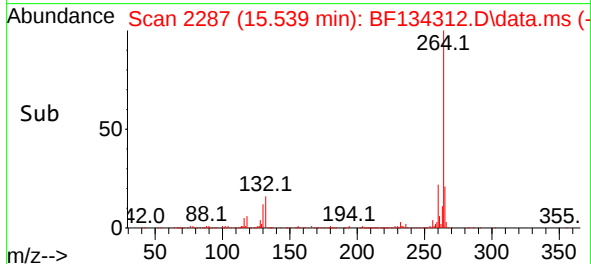
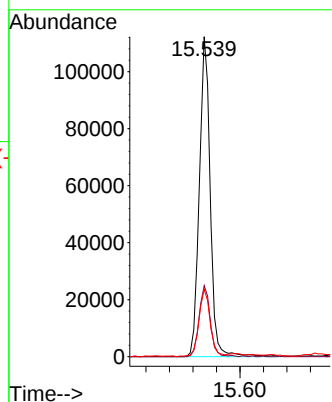
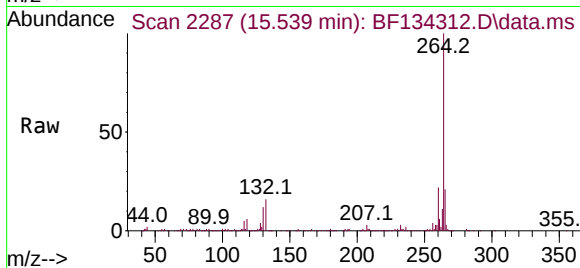
Tgt Ion:264 Resp: 144196

Ion Ratio Lower Upper

264 100

260 22.2 19.5 29.3

265 21.0 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.143 ng

RT: 17.086 min Scan# 2550

Delta R.T. -0.012 min

Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

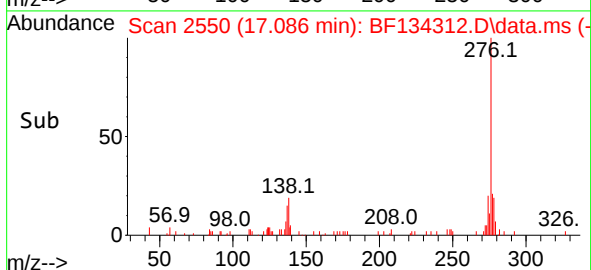
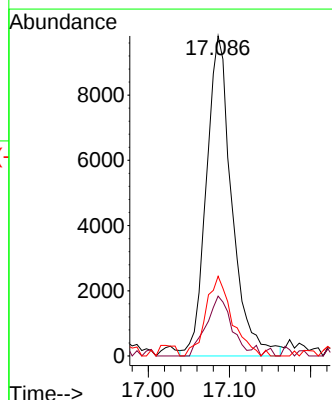
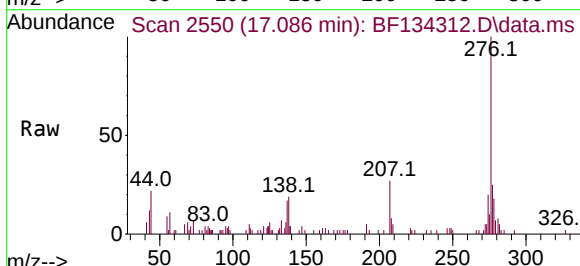
Tgt Ion:276 Resp: 21439

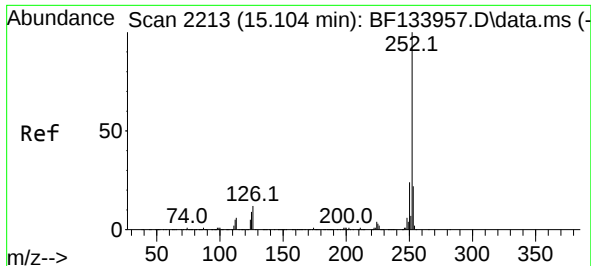
Ion Ratio Lower Upper

276 100

138 19.0 18.7 28.1

277 25.6 19.9 29.9

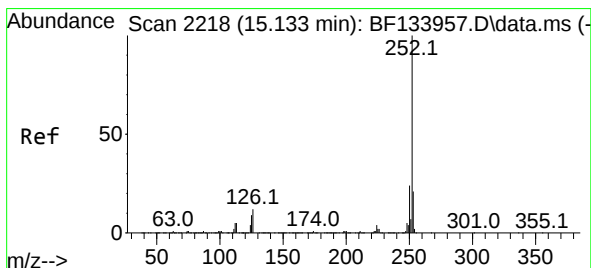
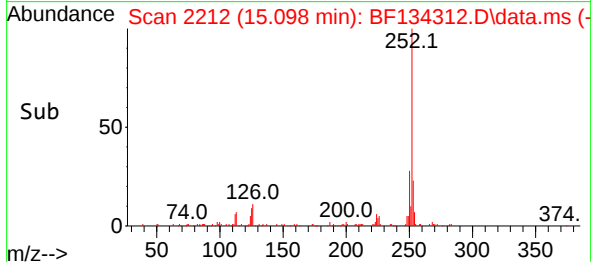
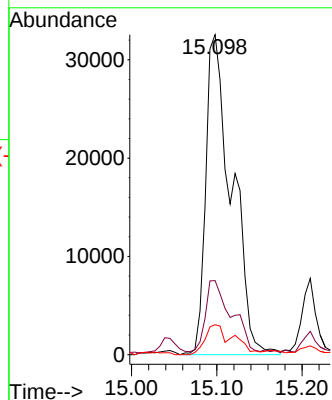
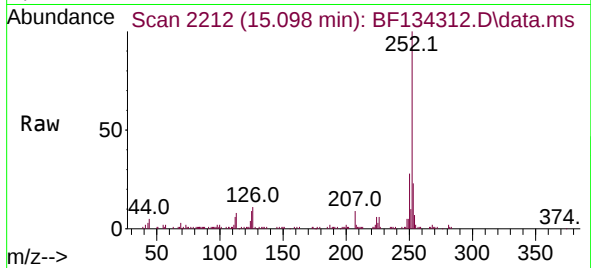




#88
Benzo(b)fluoranthene
Concen: 8.158 ng
RT: 15.098 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

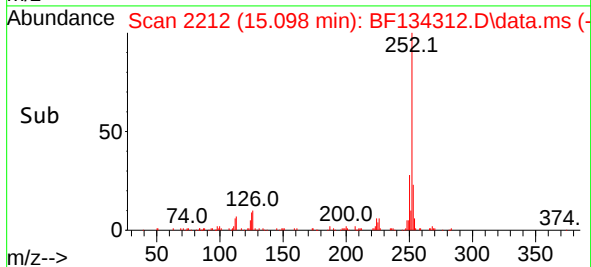
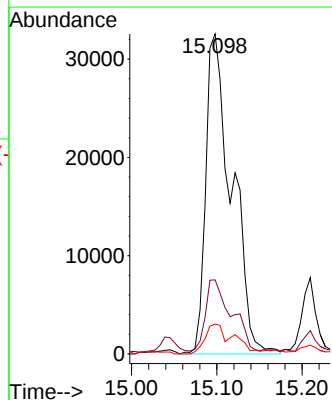
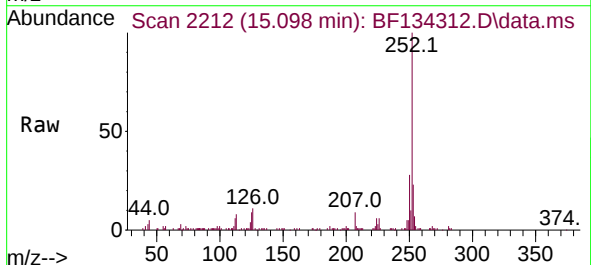
Instrument :
BNA_F
ClientSampleId :
RB-46-(2-5)

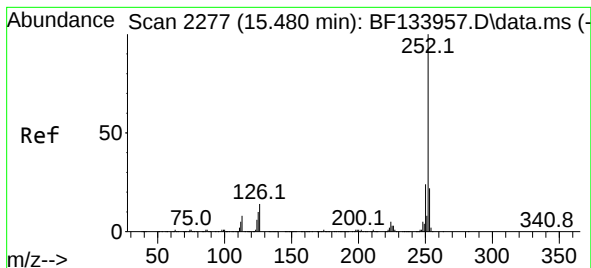
Tgt Ion:252 Resp: 69173
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 9.3 7.1 10.7



#89
Benzo(k)fluoranthene
Concen: 8.013 ng
RT: 15.098 min Scan# 2212
Delta R.T. -0.035 min
Lab File: BF134312.D
Acq: 15 Jul 2023 03:41

Tgt Ion:252 Resp: 69173
Ion Ratio Lower Upper
252 100
253 23.1 16.9 25.3
125 9.3 7.4 11.2





#90

Benzo(a)pyrene

Concen: 4.159 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

Instrument :

BNA_F

ClientSampleId :

RB-46-(2-5)

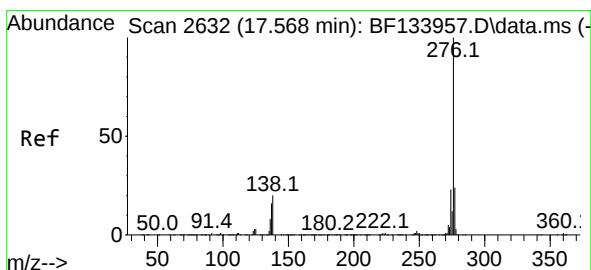
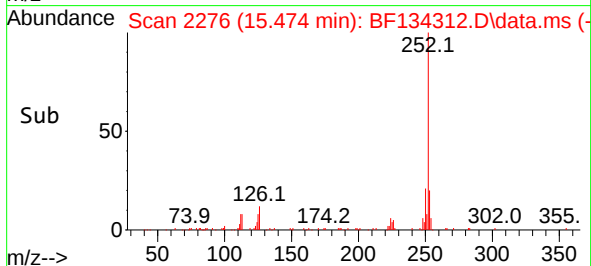
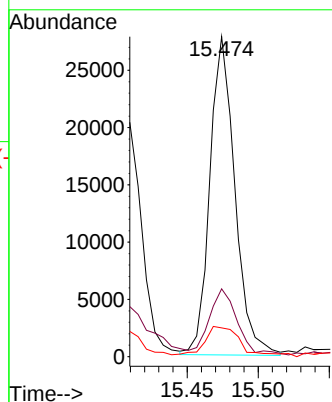
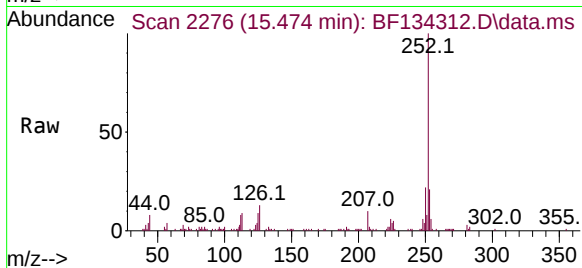
Tgt Ion:252 Resp: 34098

Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.0

125 9.0 8.4 12.6



#92

Benzo(g,h,i)perylene

Concen: 2.304 ng

RT: 17.557 min Scan# 2630

Delta R.T. -0.012 min

Lab File: BF134312.D

Acq: 15 Jul 2023 03:41

Tgt Ion:276 Resp: 19422

Ion Ratio Lower Upper

276 100

277 26.2 19.0 28.6

138 21.4 16.2 24.2

