

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
 Data File : BF134229.D
 Acq On : 12 Jul 2023 00:07
 Operator : CG\JU
 Sample : 03358-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 12 01:58:27 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)

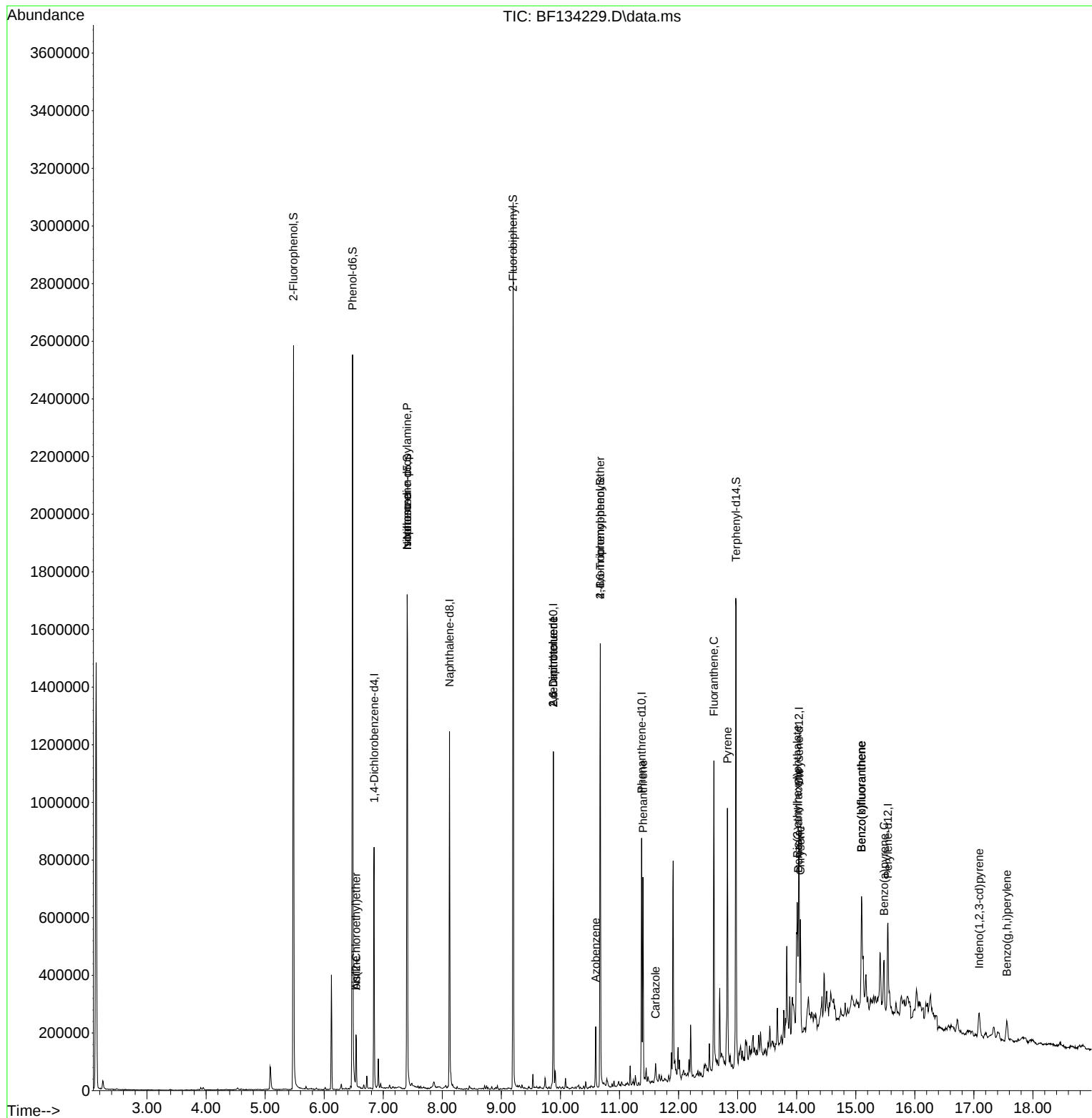
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	122189	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	478591	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	205536	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	298853	20.000	ng	0.00
76) Chrysene-d12	14.039	240	205120	20.000	ng	0.00
86) Perylene-d12	15.545	264	164238	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	679718	93.053	ng	0.00
7) Phenol-d6	6.481	99	827218	92.085	ng	0.00
23) Nitrobenzene-d5	7.404	82	550084	61.958	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	180076	69.878	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	871833	61.671	ng	0.00
79) Terphenyl-d14	12.974	244	609025	47.786	ng	0.00
Target Compounds						Qvalue
6) Aniline	6.540	93	33798	3.092	ng	# 49
9) Benzaldehyde	6.404	77	1362	Below Cal		88
11) bis(2-Chloroethyl)ether	6.540	93	33798	4.860	ng	# 19
19) n-Nitroso-di-n-propyla...	7.404	70	76718	13.467	ng	# 76
25) Isophorone	7.404	82	550084	34.091	ng	# 64
51) 2,6-Dinitrotoluene	9.880	165	26911	8.374	ng	# 24
57) 2,4-Dinitrotoluene	9.880	165	26911	6.341	ng	# 22
63) Azobenzene	10.598	77	33268	2.263	ng	# 1
67) 4-Bromophenyl-phenylether	10.675	248	10696	3.367	ng	# 1
71) Phenanthrene	11.398	178	241471	16.050	ng	100
73) Carbazole	11.610	167	29976	2.093	ng	# 94
75) Fluoranthene	12.598	202	414572	25.489	ng	99
78) Pyrene	12.827	202	352524	18.467	ng	99
81) Benzo(a)anthracene	14.027	228	113980	8.012	ng	98
83) Chrysene	14.063	228	157290	11.416	ng	99
84) Bis(2-ethylhexyl)phtha...	14.010	149	263593	32.042	ng	# 98
87) Indeno(1,2,3-cd)pyrene	17.092	276	63456	5.568	ng	96
88) Benzo(b)fluoranthene	15.098	252	266637	27.610	ng	# 96
89) Benzo(k)fluoranthene	15.098	252	266637	27.118	ng	# 96
90) Benzo(a)pyrene	15.480	252	88989	9.529	ng	96
92) Benzo(g,h,i)perylene	17.556	276	59719	6.221	ng	99

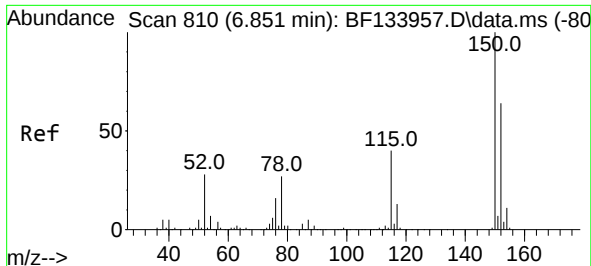
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
Data File : BF134229.D
Acq On : 12 Jul 2023 00:07
Operator : CG\JU
Sample : 03358-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

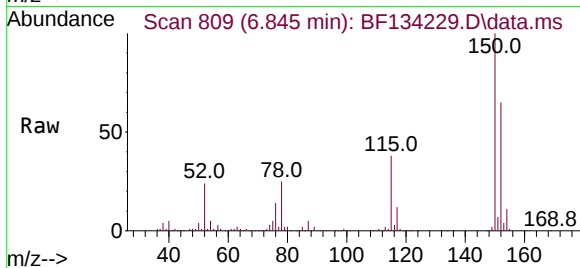
Quant Time: Jul 12 01:58:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 11 13:06:48 2023
Response via : Initial Calibration



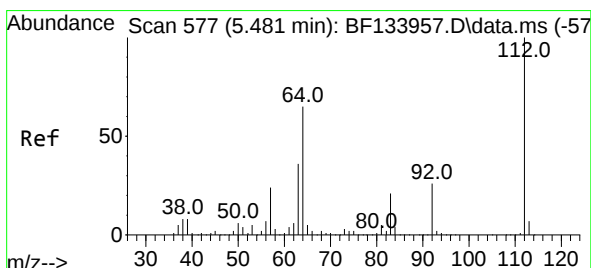
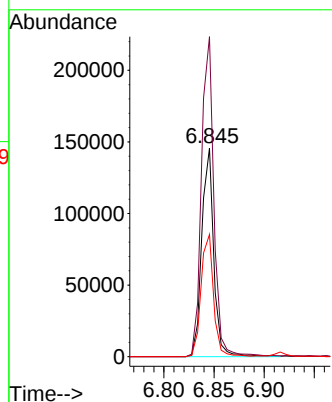
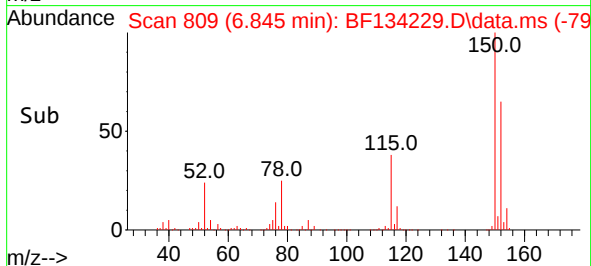


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

Instrument :
BNA_F
ClientSampleId :

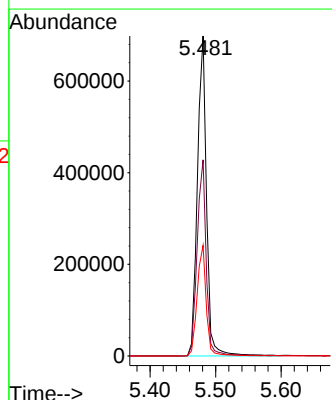
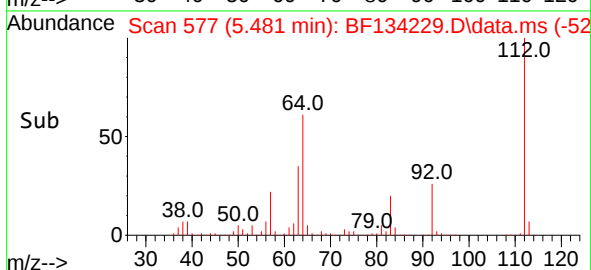
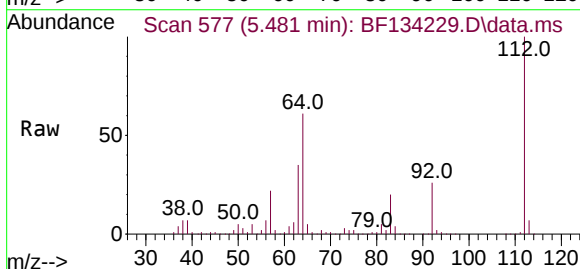


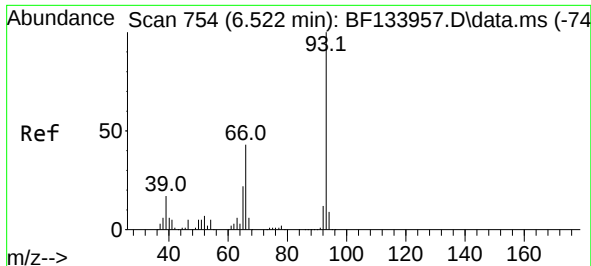
Tgt Ion:152 Resp: 122189
Ion Ratio Lower Upper
152 100
150 153.4 124.5 186.7
115 58.6 50.2 75.2



#5
2-Fluorophenol
Concen: 93.053 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.006 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

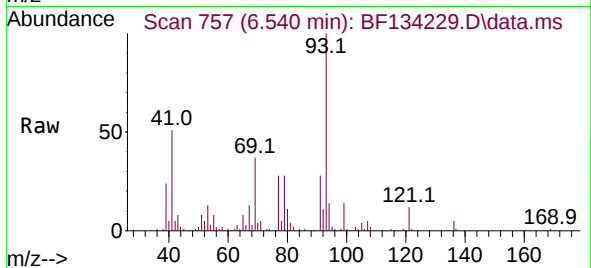
Tgt Ion:112 Resp: 679718
Ion Ratio Lower Upper
112 100
64 61.3 52.1 78.1
63 34.5 28.6 42.8



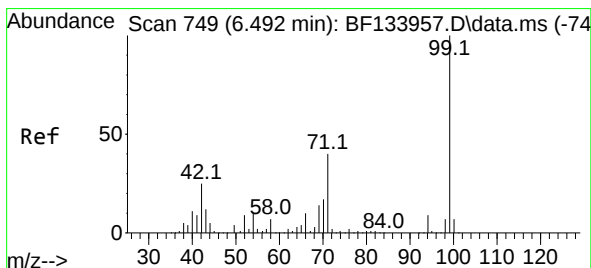
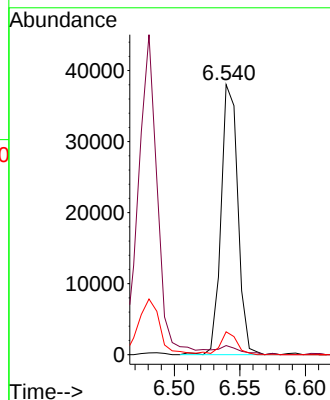
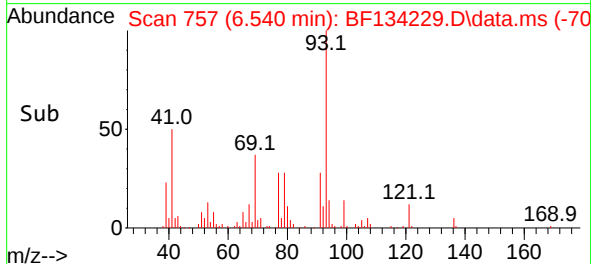


#6
Aniline
Concen: 3.092 ng
RT: 6.540 min Scan# 71
Delta R.T. 0.024 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

Instrument :
BNA_F
ClientSampleId :

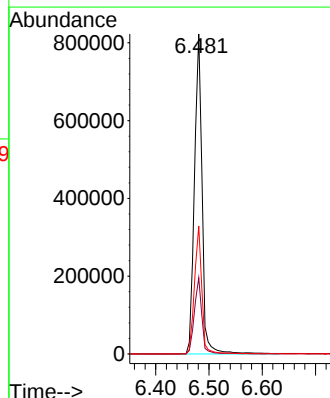
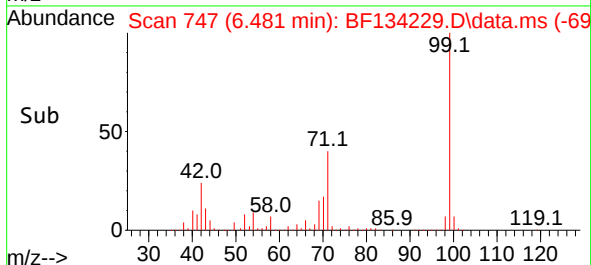
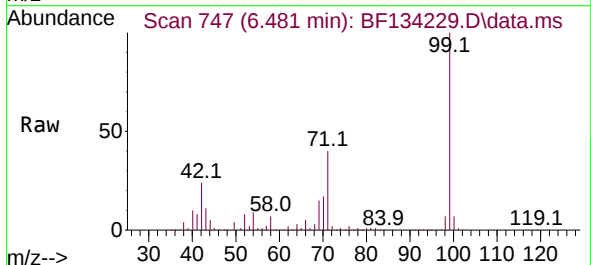


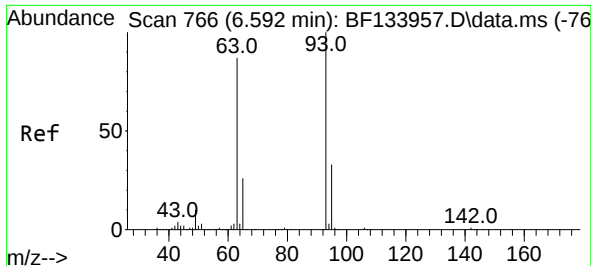
Tgt Ion: 93 Resp: 33798
Ion Ratio Lower Upper
93 100
66 3.4 34.5 51.7#
65 8.5 17.8 26.6#



#7
Phenol-d6
Concen: 92.085 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

Tgt Ion: 99 Resp: 827218
Ion Ratio Lower Upper
99 100
42 23.8 19.8 29.6
71 40.0 31.9 47.9

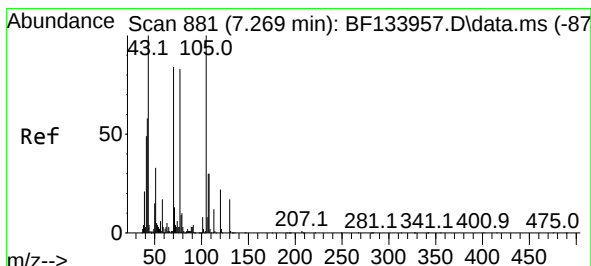
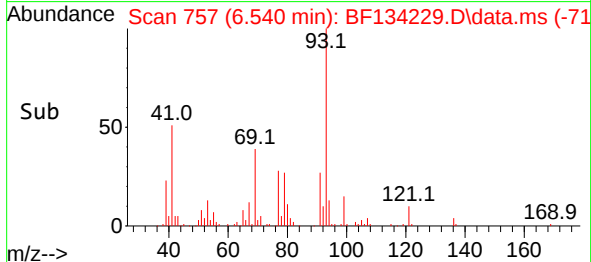
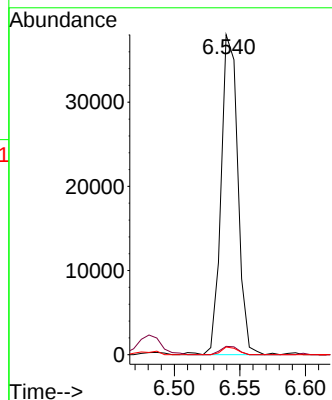
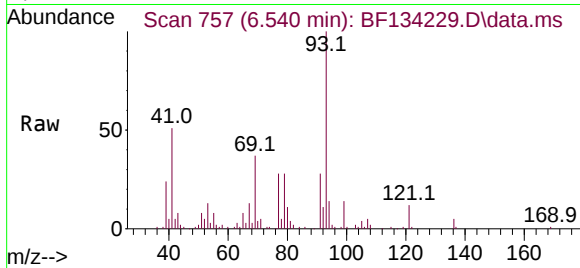




#11
bis(2-Chloroethyl)ether
Concen: 4.860 ng
RT: 6.540 min Scan# 71
Delta R.T. -0.047 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

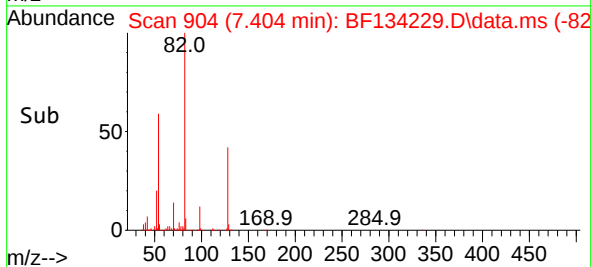
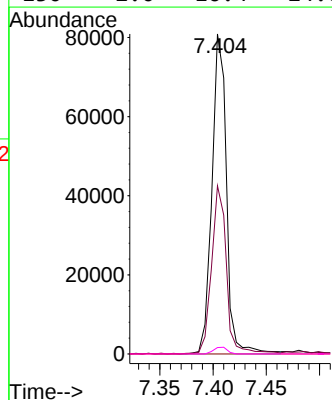
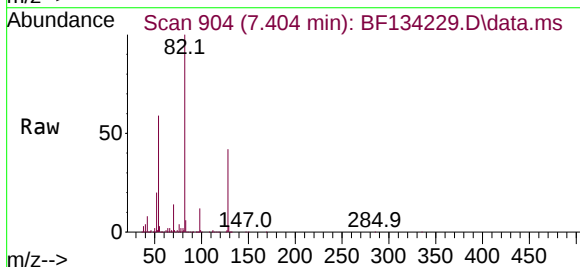
Instrument :
BNA_F
ClientSampleId :

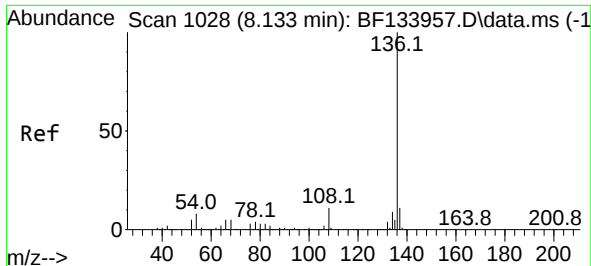
Tgt Ion: 93 Resp: 33798
Ion Ratio Lower Upper
93 100
63 2.6 66.5 106.5#
95 2.4 12.9 52.9#



#19
n-Nitroso-di-n-propylamine
Concen: 13.467 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.147 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

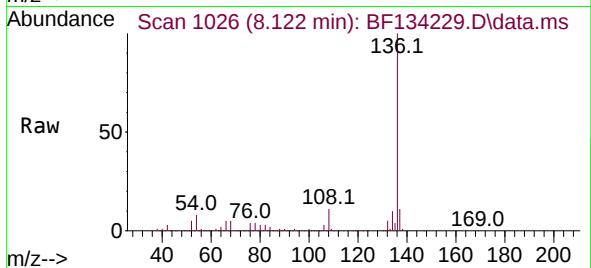
Tgt Ion: 70 Resp: 76718
Ion Ratio Lower Upper
70 100
42 52.5 54.7 82.1#
101 0.0 7.7 11.5#
130 2.0 16.4 24.6#



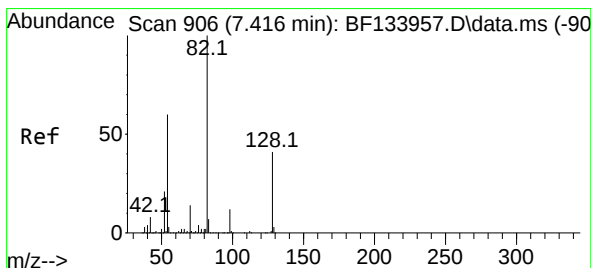
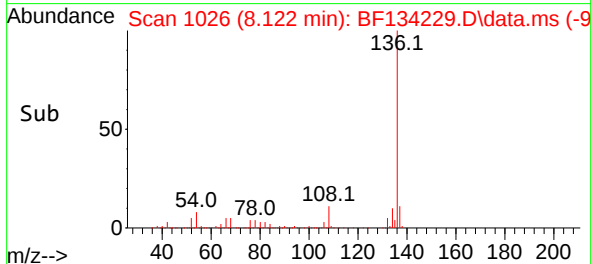
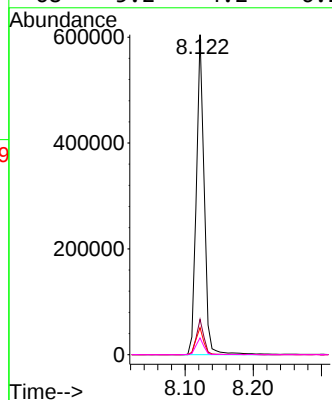


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

Instrument :
BNA_F
ClientSampleId :

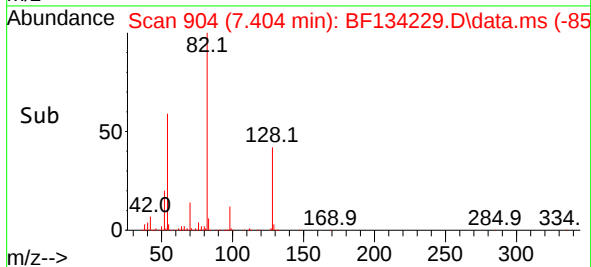
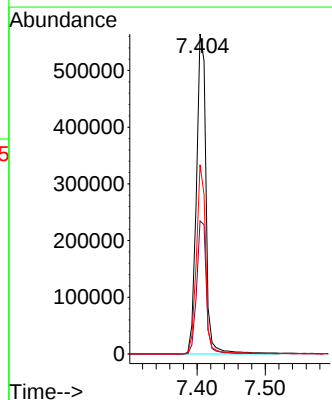
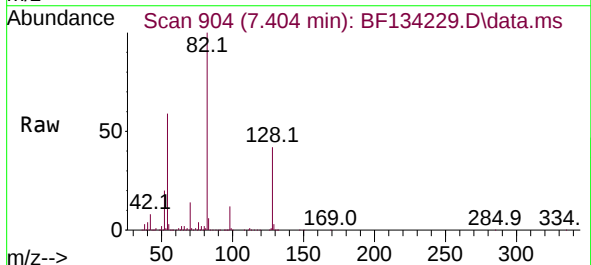


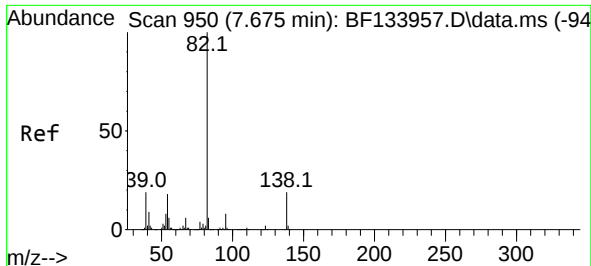
Tgt Ion:136 Resp: 478591
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 8.5 6.5 9.7
68 5.2 4.2 6.2



#23
Nitrobenzene-d5
Concen: 61.958 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

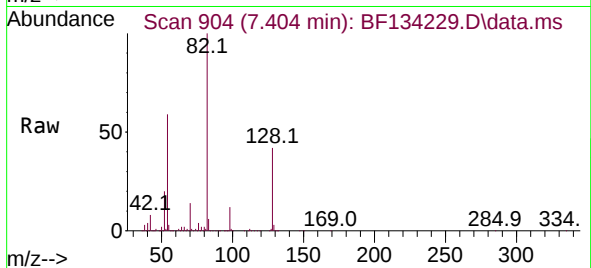
Tgt Ion: 82 Resp: 550084
Ion Ratio Lower Upper
82 100
128 41.5 32.5 48.7
54 59.1 48.2 72.2



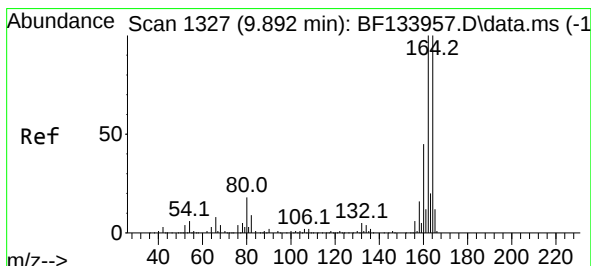
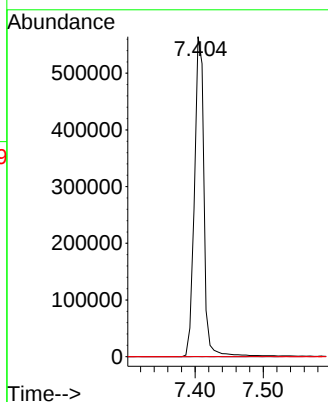
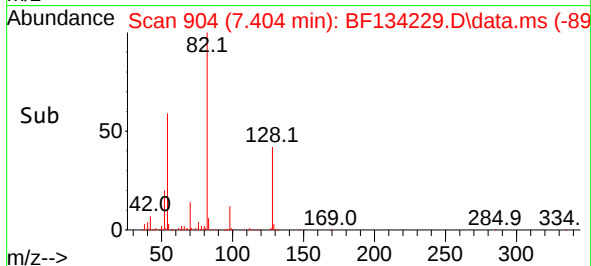


#25
Isophorone
Concen: 34.091 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

Instrument :
BNA_F
ClientSampleId :

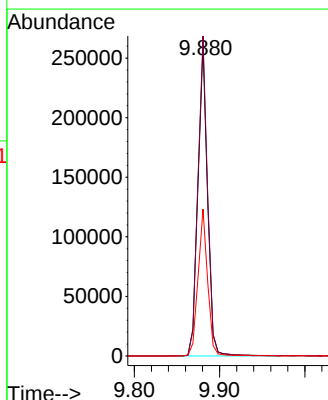
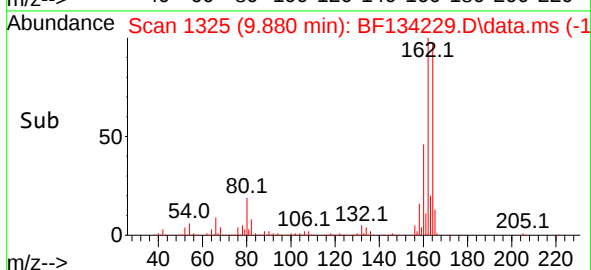
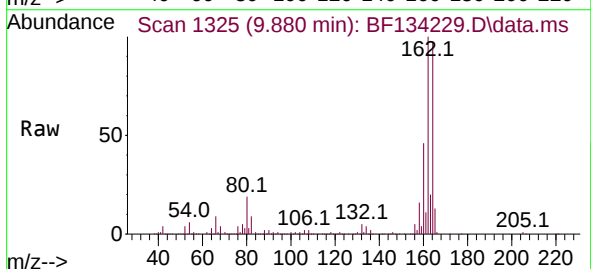


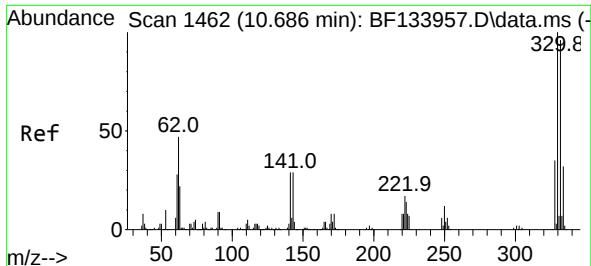
Tgt Ion: 82 Resp: 550084
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

Tgt Ion: 164 Resp: 205536
Ion Ratio Lower Upper
164 100
162 102.9 80.0 120.0
160 47.2 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 69.878 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.006 min

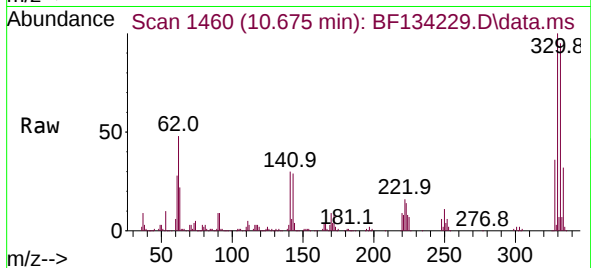
Lab File: BF134229.D

Acq: 12 Jul 2023 00:07

Instrument :

BNA_F

ClientSampleId :



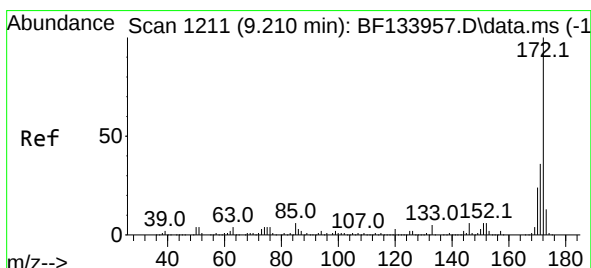
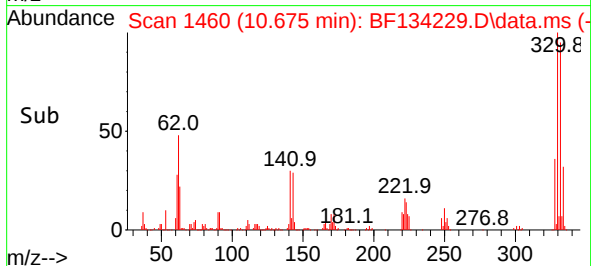
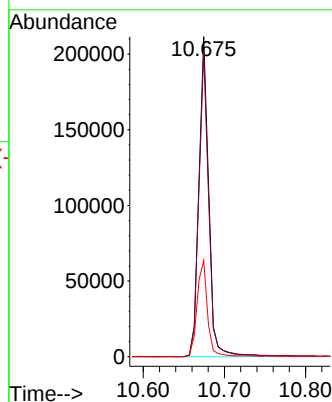
Tgt Ion:330 Resp: 180076

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

141 31.4 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 61.671 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.006 min

Lab File: BF134229.D

Acq: 12 Jul 2023 00:07

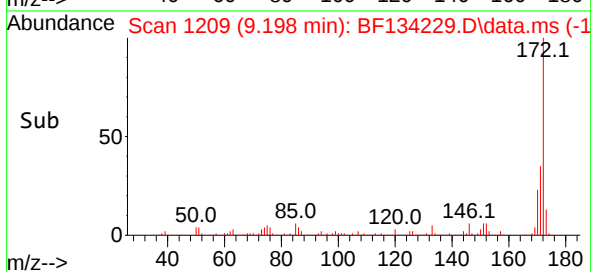
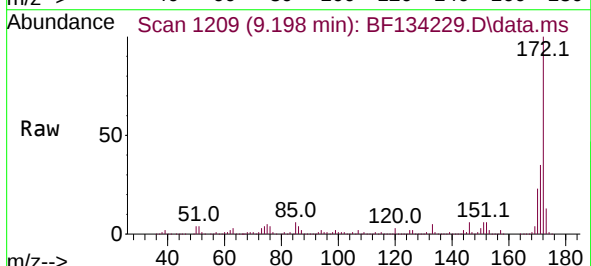
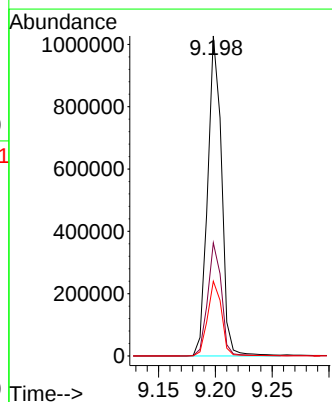
Tgt Ion:172 Resp: 871833

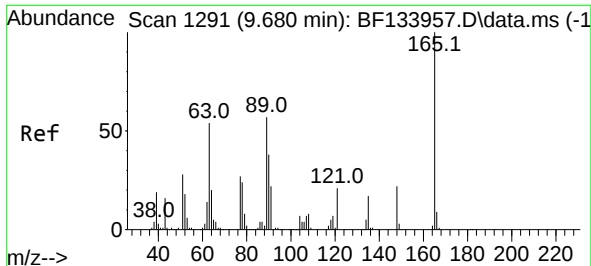
Ion Ratio Lower Upper

172 100

171 35.4 28.6 43.0

170 23.4 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.374 ng

RT: 9.880 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF134229.D

Acq: 12 Jul 2023 00:07

Instrument :

BNA_F

ClientSampleId :

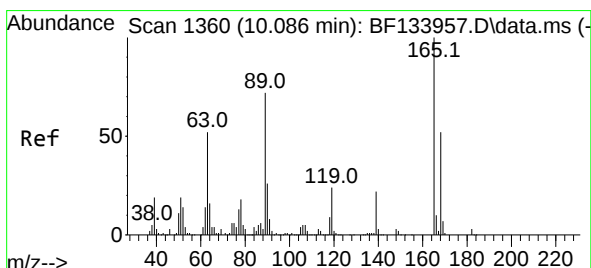
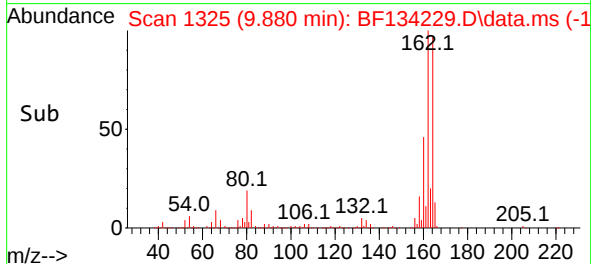
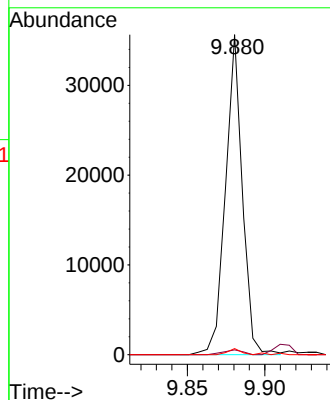
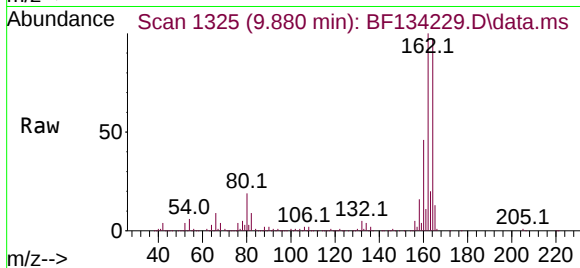
Tgt Ion:165 Resp: 26911

Ion Ratio Lower Upper

165 100

63 1.5 48.5 72.7#

89 1.9 45.5 68.3#



#57

2,4-Dinitrotoluene

Concen: 6.341 ng

RT: 9.880 min Scan# 1325

Delta R.T. -0.200 min

Lab File: BF134229.D

Acq: 12 Jul 2023 00:07

Tgt Ion:165 Resp: 26911

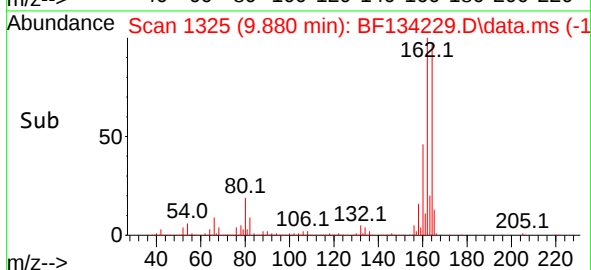
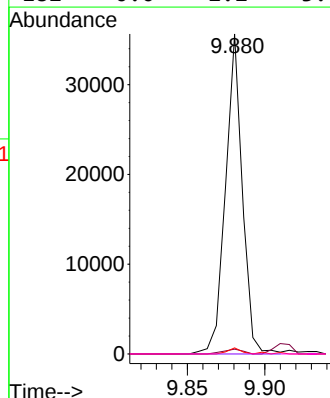
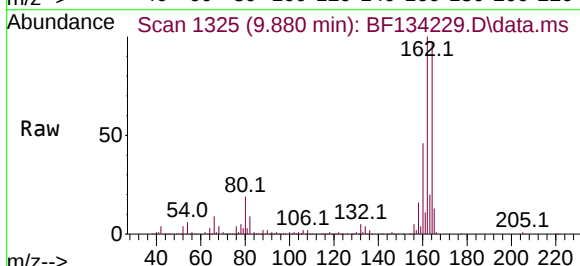
Ion Ratio Lower Upper

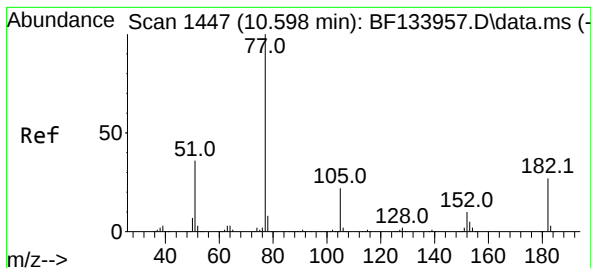
165 100

63 1.5 42.2 63.2#

89 1.9 57.4 86.2#

182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.263 ng

RT: 10.598 min Scan# 1447

Delta R.T. 0.006 min

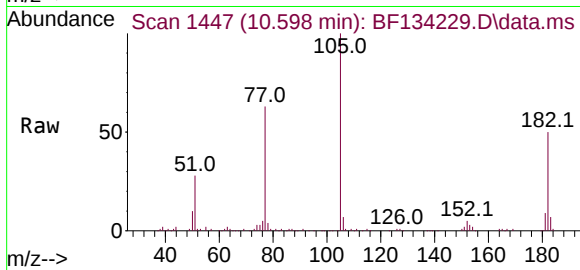
Lab File: BF134229.D

Acq: 12 Jul 2023 00:07

Instrument :

BNA_F

ClientSampleId :



Tgt Ion: 77 Resp: 33268

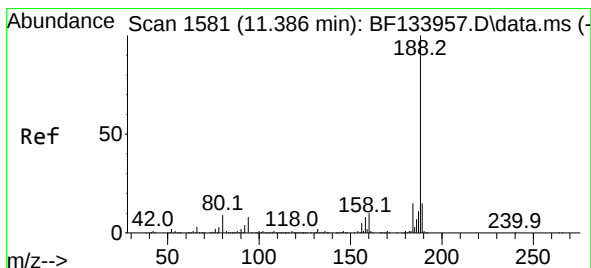
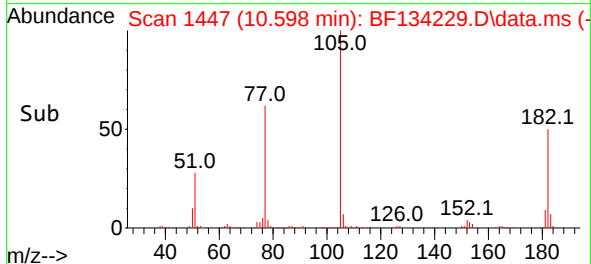
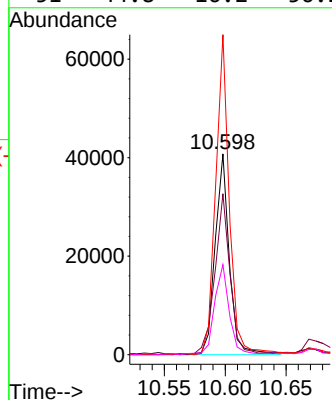
Ion Ratio Lower Upper

77 100

182 80.1 6.8 46.8#

105 159.3 2.3 42.3#

51 44.8 16.2 56.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF134229.D

Acq: 12 Jul 2023 00:07

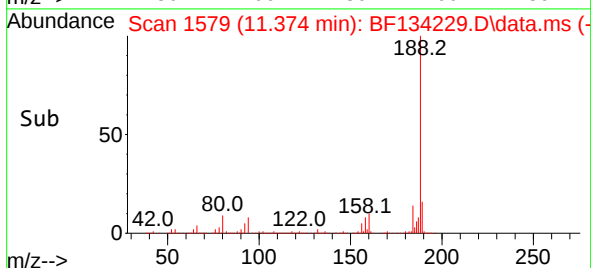
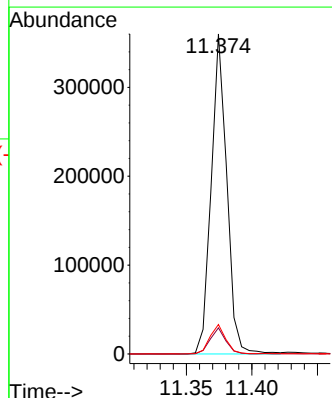
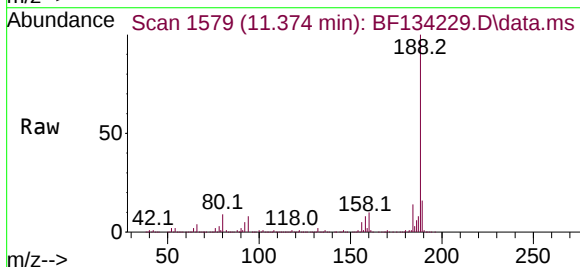
Tgt Ion: 188 Resp: 298853

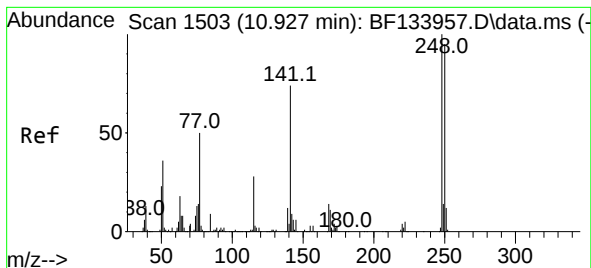
Ion Ratio Lower Upper

188 100

94 8.2 6.4 9.6

80 9.2 7.3 10.9

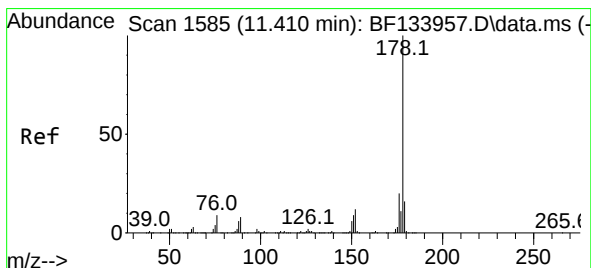
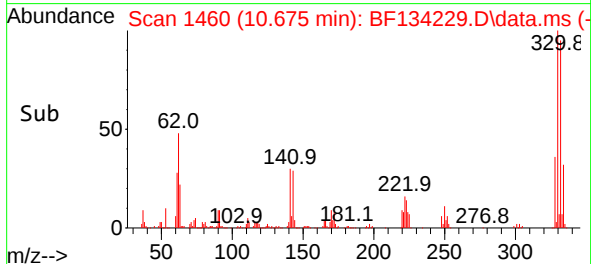
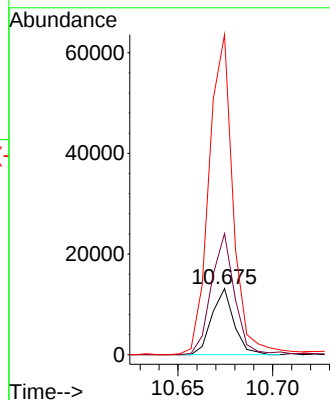
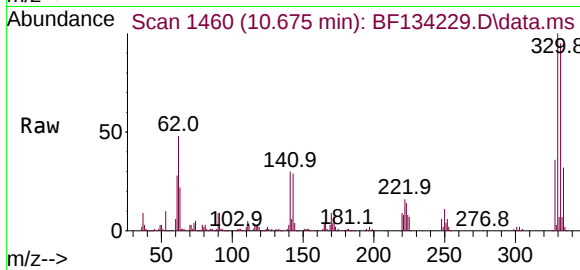




#67
4-Bromophenyl-phenylether
Concen: 3.367 ng
RT: 10.675 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

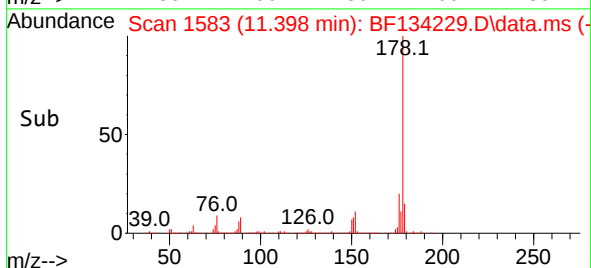
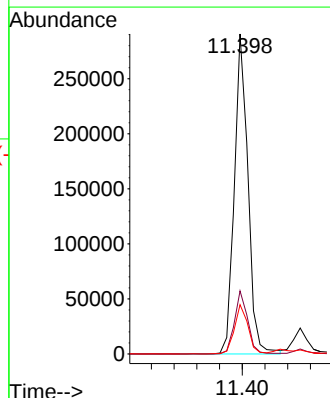
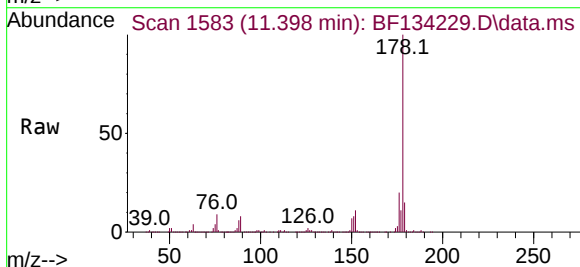
Instrument :
BNA_F
ClientSampleId :

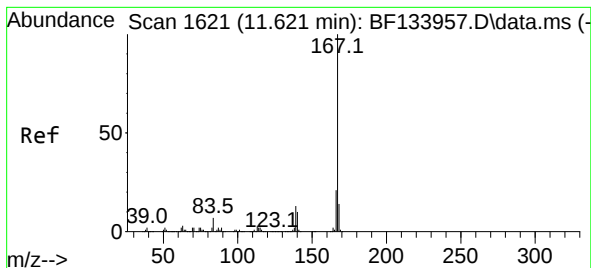
Tgt Ion:248 Resp: 10696
Ion Ratio Lower Upper
248 100
250 183.3 76.2 114.4#
141 484.5 59.0 88.4#



#71
Phenanthrene
Concen: 16.050 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134229.D
Acq: 12 Jul 2023 00:07

Tgt Ion:178 Resp: 241471
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.4 12.4 18.6





#73

Carbazole

Concen: 2.093 ng

RT: 11.610 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134229.D

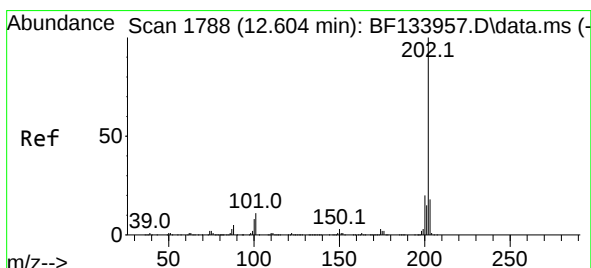
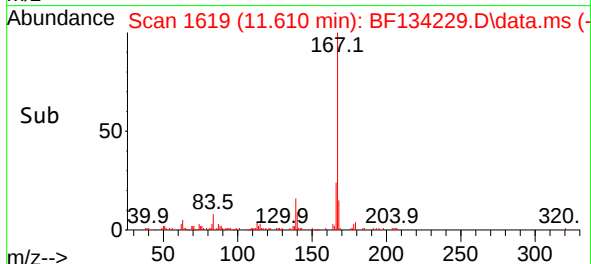
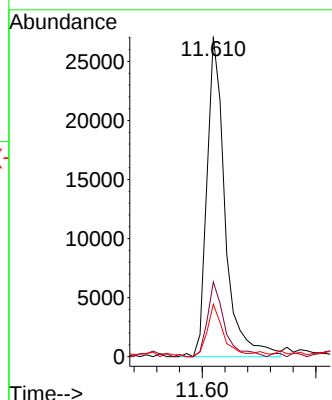
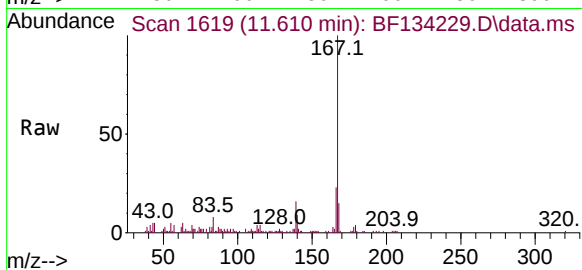
Acq: 12 Jul 2023 00:07

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:167	Resp:	29976
Ion Ratio	Lower	Upper
167	100	
166	23.4	17.0 25.6
139	16.4	10.4 15.6#



#75

Fluoranthene

Concen: 25.489 ng

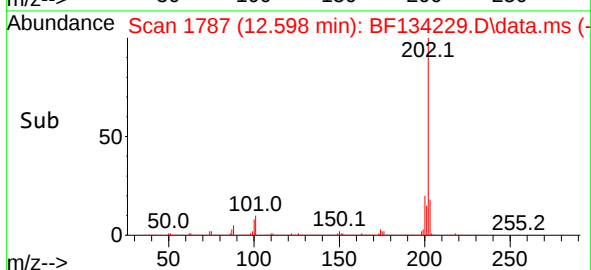
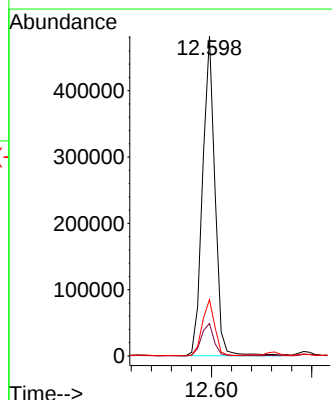
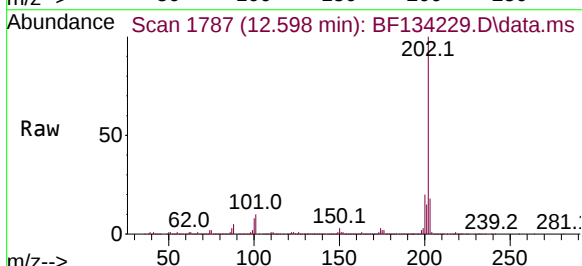
RT: 12.598 min Scan# 1787

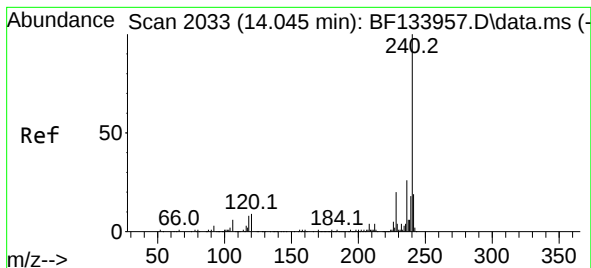
Delta R.T. -0.006 min

Lab File: BF134229.D

Acq: 12 Jul 2023 00:07

Tgt Ion:202	Resp:	414572
Ion Ratio	Lower	Upper
202	100	
101	10.1	0.0 31.0
203	17.6	0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF134229.D

Acq: 12 Jul 2023 00:07

Instrument :

BNA_F

ClientSampleId :

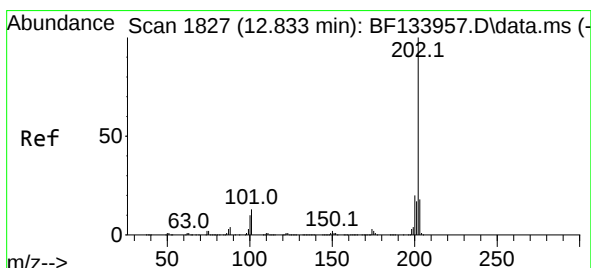
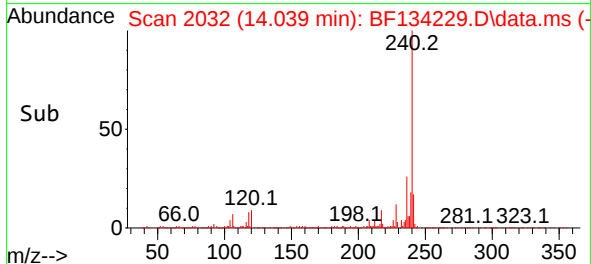
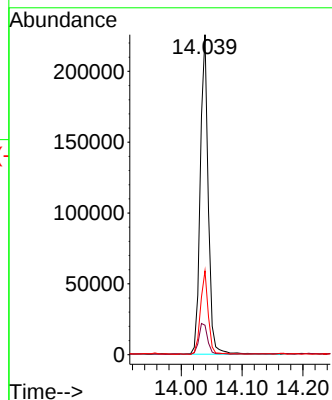
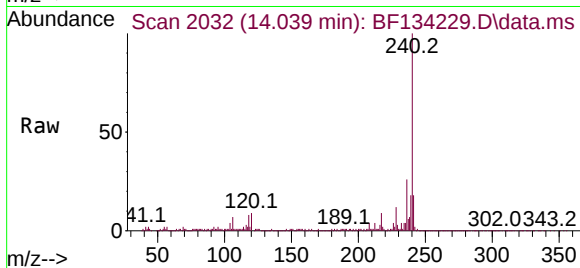
Tgt Ion:240 Resp: 205120

Ion Ratio Lower Upper

240 100

120 9.2 7.4 11.0

236 26.2 21.0 31.6



#78

Pyrene

Concen: 18.467 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF134229.D

Acq: 12 Jul 2023 00:07

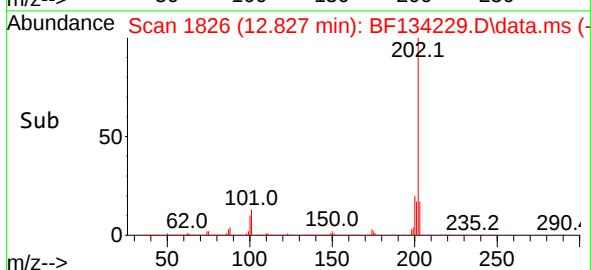
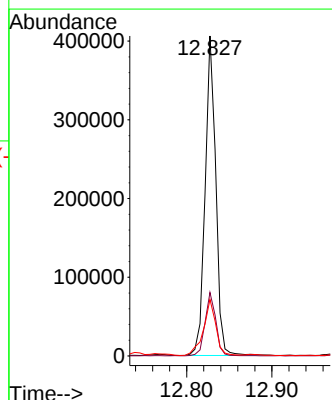
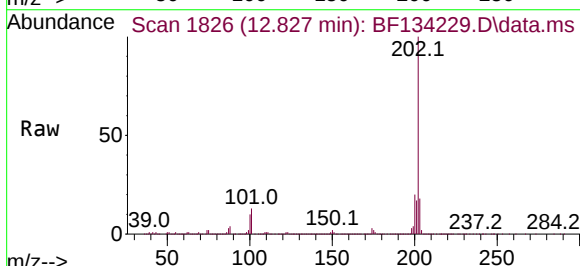
Tgt Ion:202 Resp: 352524

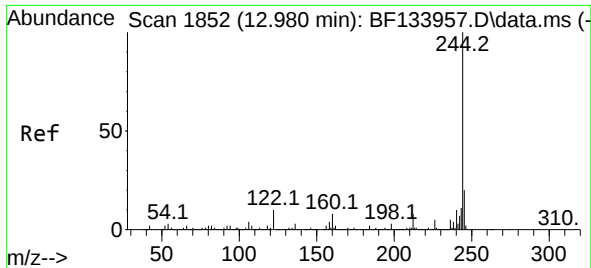
Ion Ratio Lower Upper

202 100

200 19.8 16.1 24.1

203 17.7 14.3 21.5

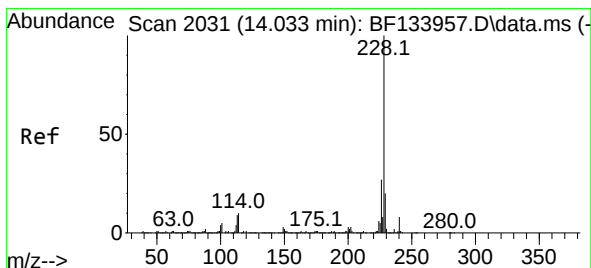
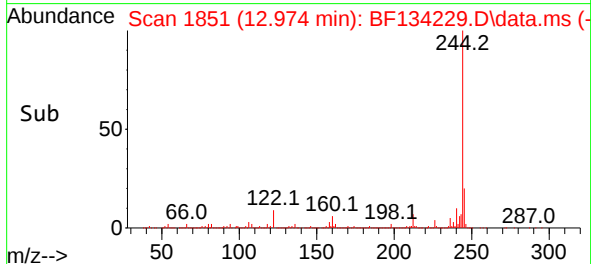
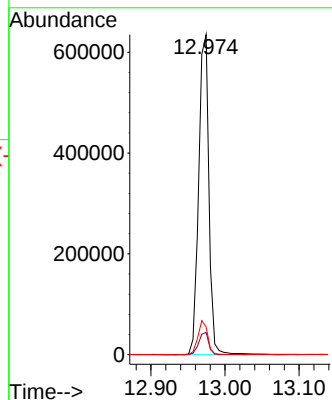
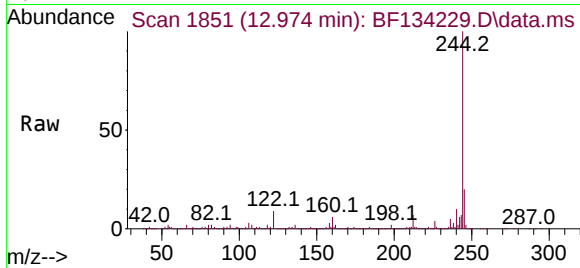




#79
 Terphenyl-d14
 Concen: 47.786 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. 0.000 min
 Lab File: BF134229.D
 Acq: 12 Jul 2023 00:07

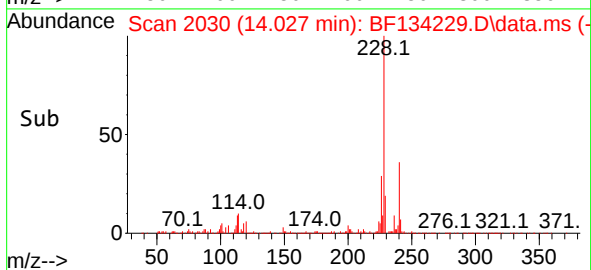
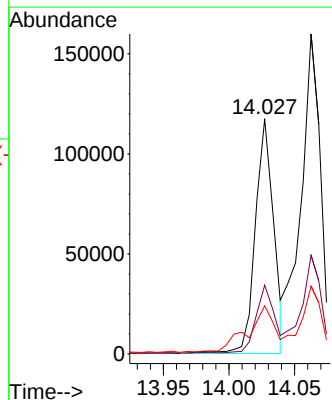
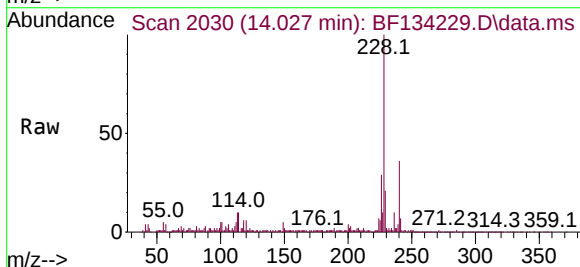
Instrument :
 BNA_F
 ClientSampleId :

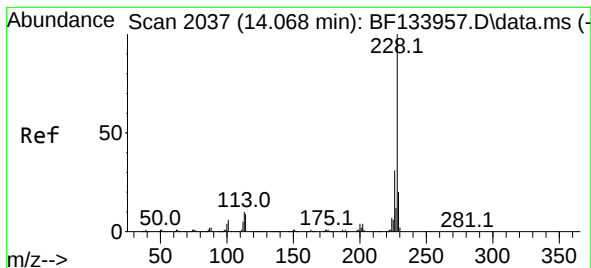
Tgt Ion:244 Resp: 609025
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 8.6 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 8.012 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF134229.D
 Acq: 12 Jul 2023 00:07

Tgt Ion:228 Resp: 113980
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.0 33.0
 229 20.5 16.3 24.5





#83

Chrysene

Concen: 11.416 ng

RT: 14.063 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF134229.D

Acq: 12 Jul 2023 00:07

Instrument :

BNA_F

ClientSampleId :

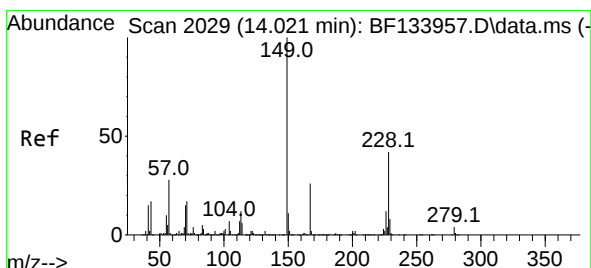
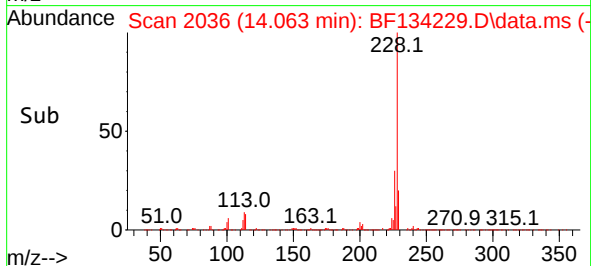
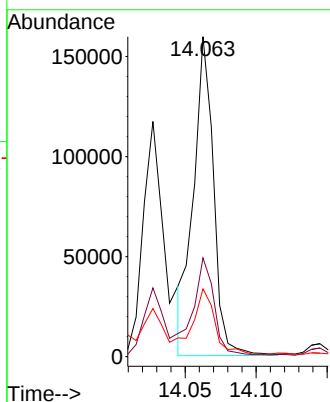
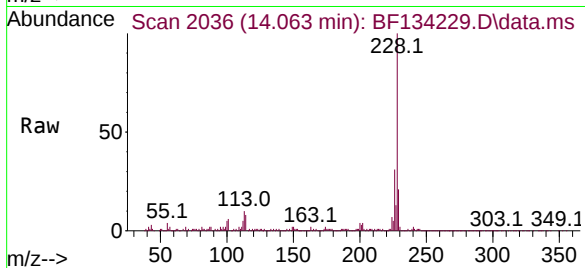
Tgt Ion:228 Resp: 157290

Ion Ratio Lower Upper

228 100

226 30.8 24.4 36.6

229 21.2 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 32.042 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF134229.D

Acq: 12 Jul 2023 00:07

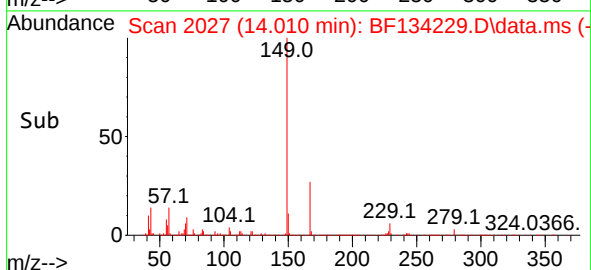
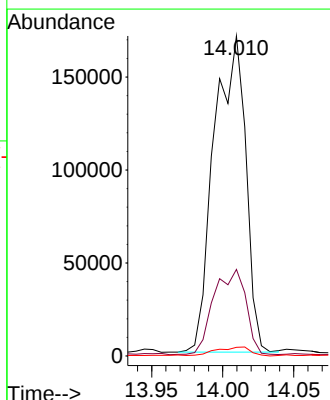
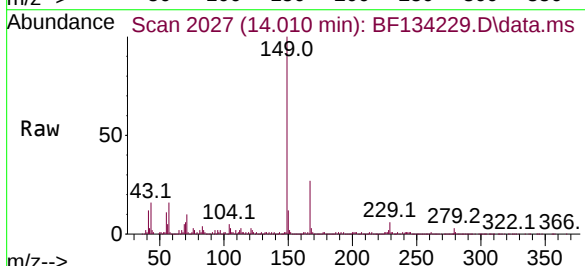
Tgt Ion:149 Resp: 263593

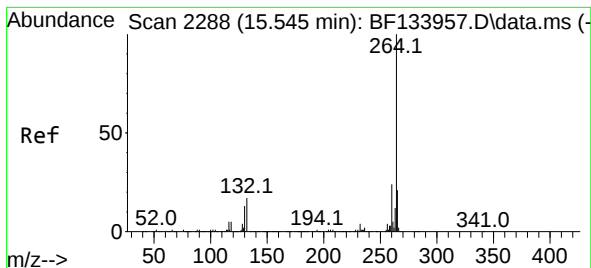
Ion Ratio Lower Upper

149 100

167 27.0 21.0 31.4

279 2.7 3.3 4.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134229.D

Acq: 12 Jul 2023 00:07

Instrument :

BNA_F

ClientSampleId :

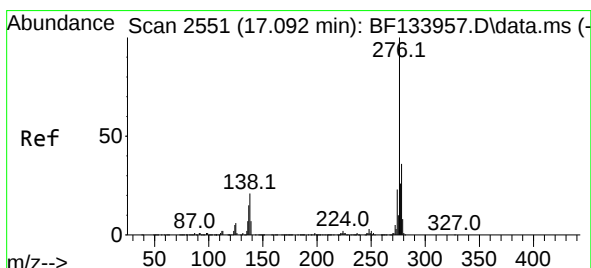
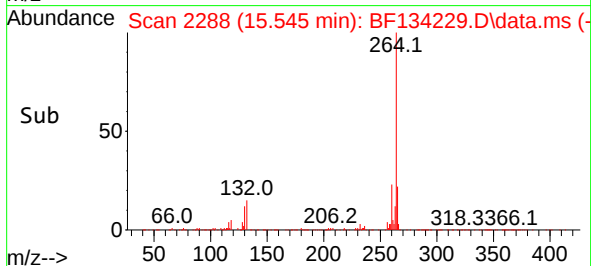
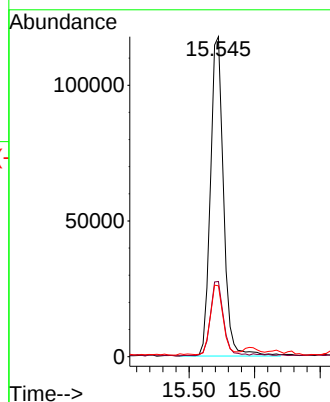
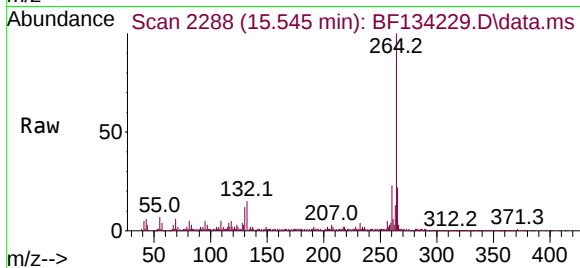
Tgt Ion:264 Resp: 164238

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

265 22.2 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.568 ng

RT: 17.092 min Scan# 2551

Delta R.T. -0.006 min

Lab File: BF134229.D

Acq: 12 Jul 2023 00:07

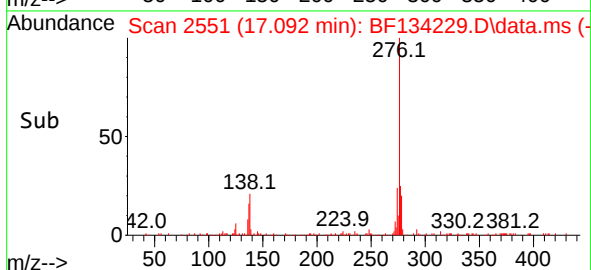
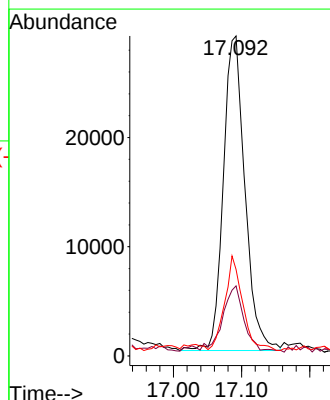
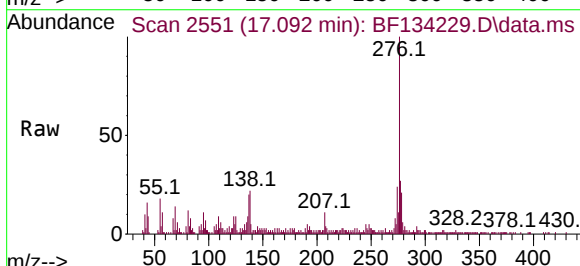
Tgt Ion:276 Resp: 63456

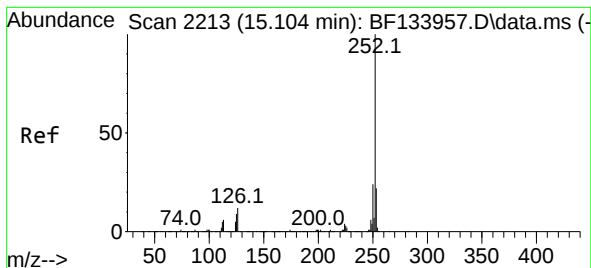
Ion Ratio Lower Upper

276 100

138 19.4 18.7 28.1

277 24.8 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 27.610 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134229.D

Acq: 12 Jul 2023 00:07

Instrument :

BNA_F

ClientSampleId :

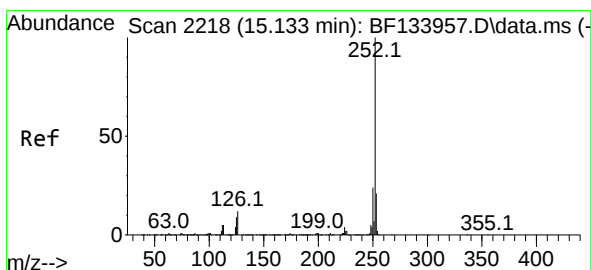
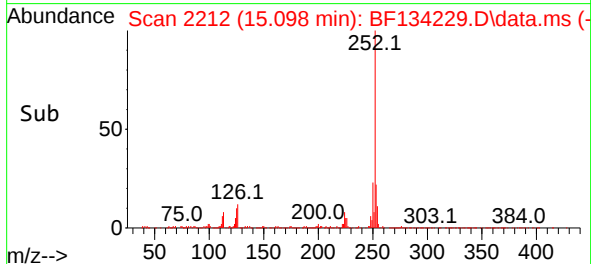
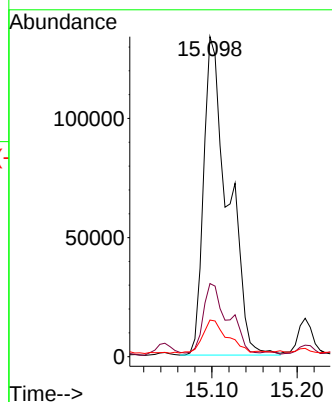
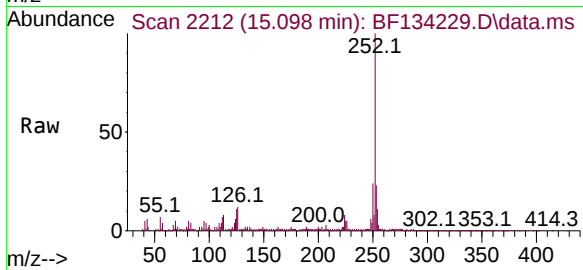
Tgt Ion:252 Resp: 266637

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 11.4 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 27.118 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.035 min

Lab File: BF134229.D

Acq: 12 Jul 2023 00:07

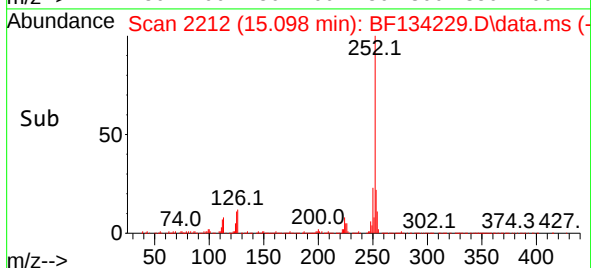
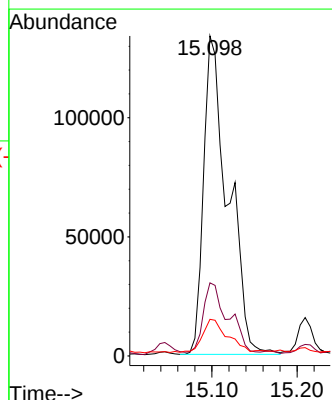
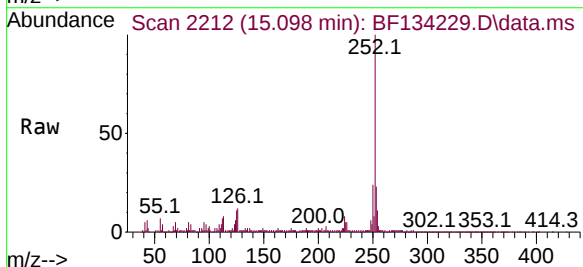
Tgt Ion:252 Resp: 266637

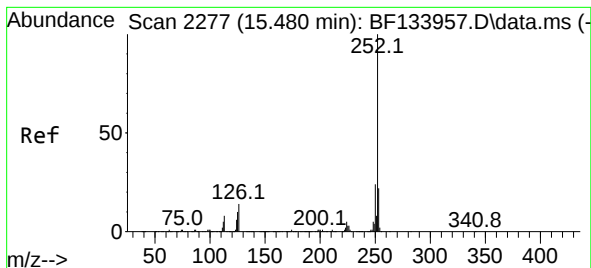
Ion Ratio Lower Upper

252 100

253 22.9 16.9 25.3

125 11.4 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 9.529 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134229.D

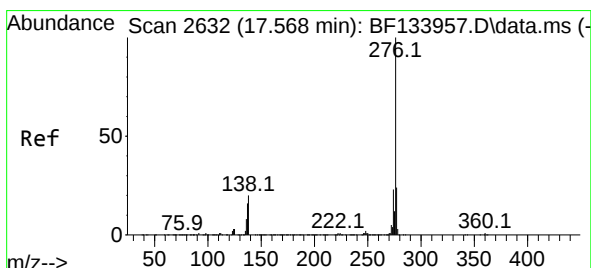
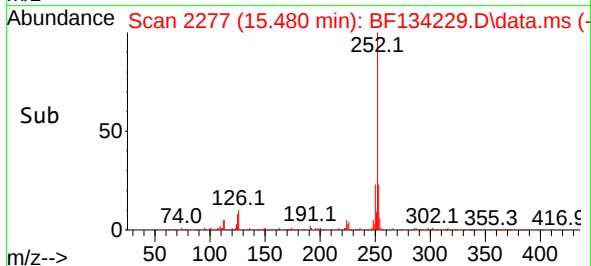
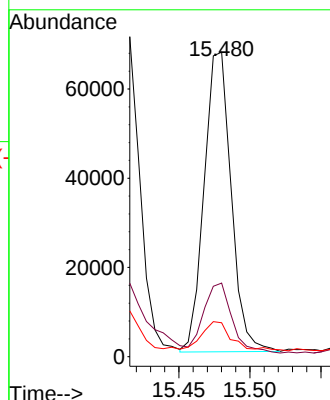
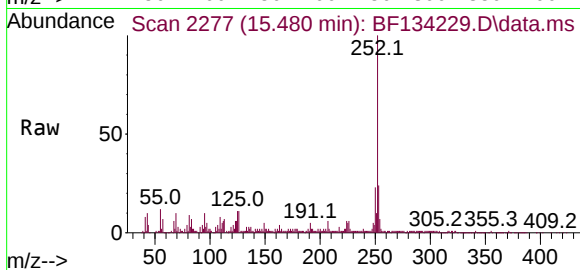
Acq: 12 Jul 2023 00:07

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	252	Resp:	88989
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.4	26.0
125	11.2	8.4	12.6



#92

Benzo(g,h,i)perylene

Concen: 6.221 ng

RT: 17.556 min Scan# 2630

Delta R.T. -0.012 min

Lab File: BF134229.D

Acq: 12 Jul 2023 00:07

Tgt Ion:	276	Resp:	59719
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.0	28.6
138	19.9	16.2	24.2

