

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071923\
 Data File : BF134359.D
 Acq On : 19 Jul 2023 15:17
 Operator : CG\JU
 Sample : 03597-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 19 15:49:36 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)

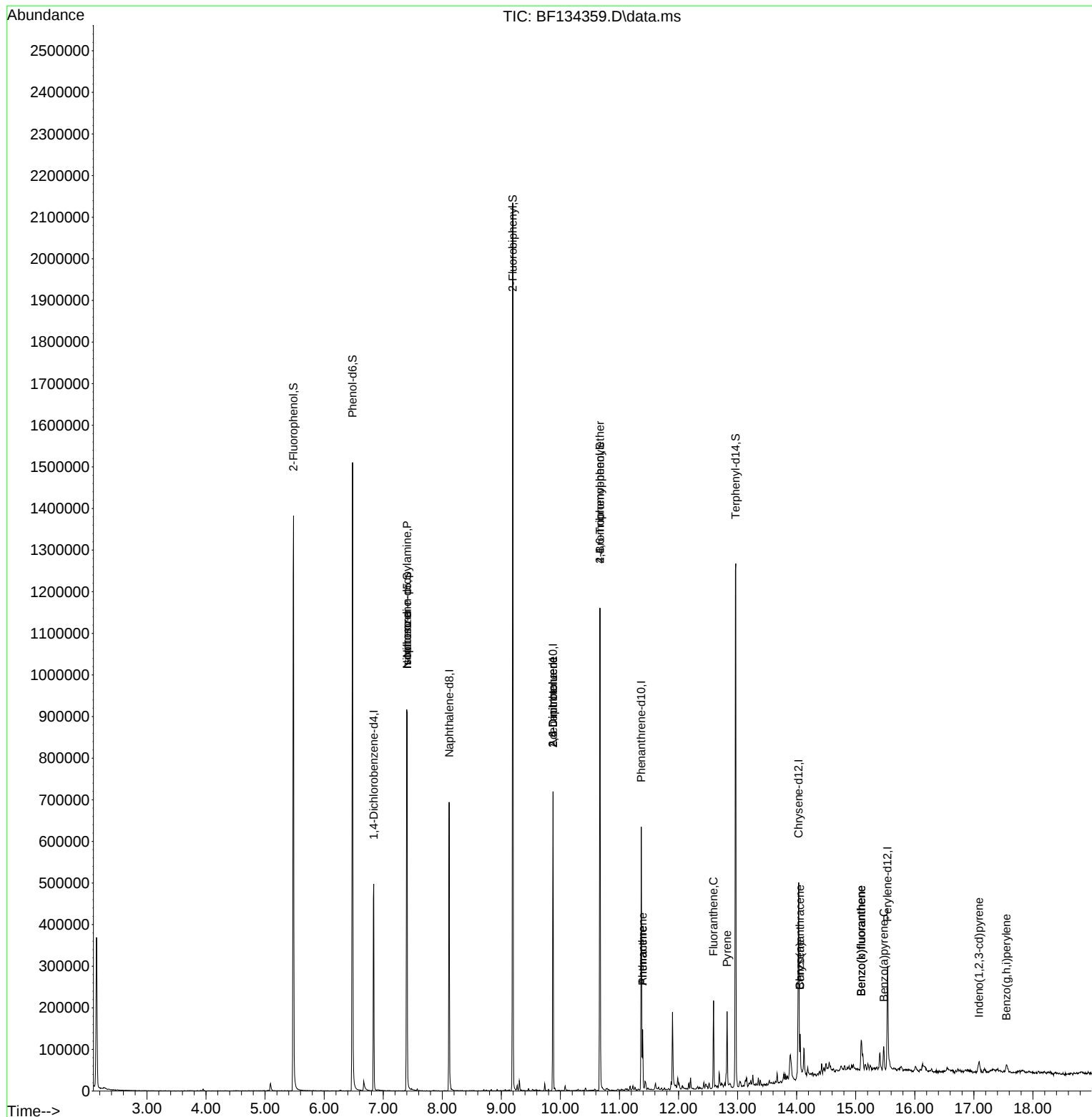
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	73713	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	263621	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	126867	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	214595	20.000	ng	0.00
76) Chrysene-d12	14.033	240	140284	20.000	ng	0.00
86) Perylene-d12	15.539	264	116833	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	365031	82.836	ng	0.01
7) Phenol-d6	6.481	99	438467	80.908	ng	0.00
23) Nitrobenzene-d5	7.404	82	302093	61.772	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	136542	85.840	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	566771	64.952	ng	-0.01
79) Terphenyl-d14	12.969	244	462922	53.109	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.481	77	720	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.404	70	41749	12.148	ng	# 72
25) Isophorone	7.404	82	302089	33.988	ng	# 64
51) 2,6-Dinitrotoluene	9.875	165	16518	8.328	ng	# 23
57) 2,4-Dinitrotoluene	9.875	165	16518	6.306	ng	# 21
67) 4-Bromophenyl-phenylether	10.669	248	7540	3.306	ng	# 1
71) Phenanthrene	11.392	178	46706	4.323	ng	98
72) Anthracene	11.392	178	46706	4.157	ng	97
75) Fluoranthene	12.592	202	80428	6.886	ng	97
78) Pyrene	12.822	202	73343	5.618	ng	97
81) Benzo(a)anthracene	14.057	228	36761	3.779	ng	96
83) Chrysene	14.057	228	36761	3.901	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	18128	2.236	ng	94
88) Benzo(b)fluoranthene	15.092	252	56785	8.266	ng	98
89) Benzo(k)fluoranthene	15.092	252	56785	8.118	ng	99
90) Benzo(a)pyrene	15.474	252	27732	4.175	ng	98
92) Benzo(g,h,i)perylene	17.551	276	16103	2.358	ng	96

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

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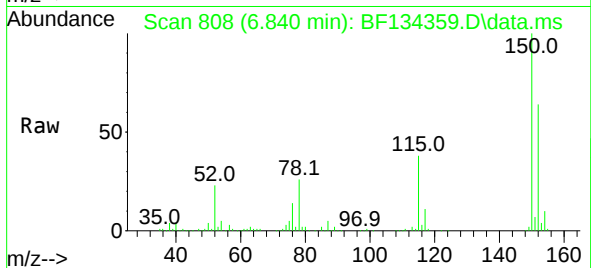
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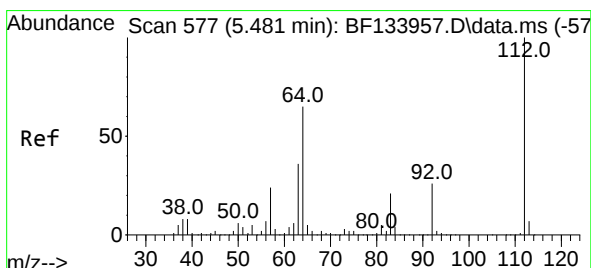
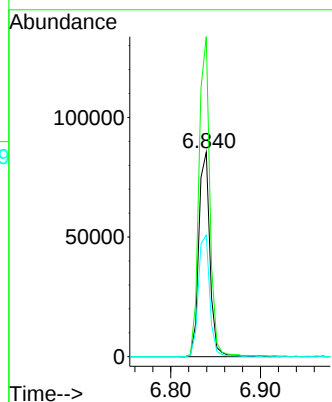
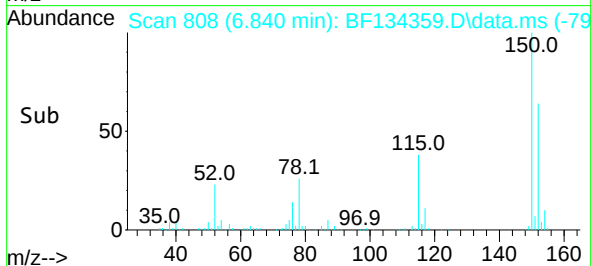


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 810
Delta R.T. -0.005 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

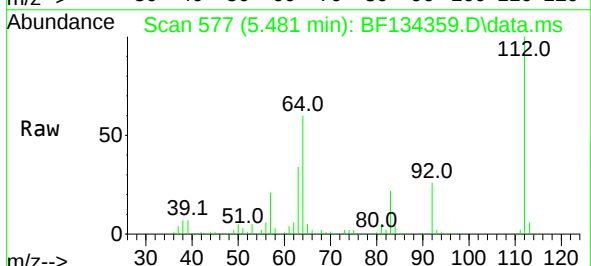
Instrument :
BNA_F
ClientSampleId :



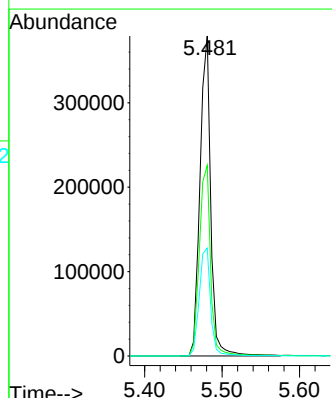
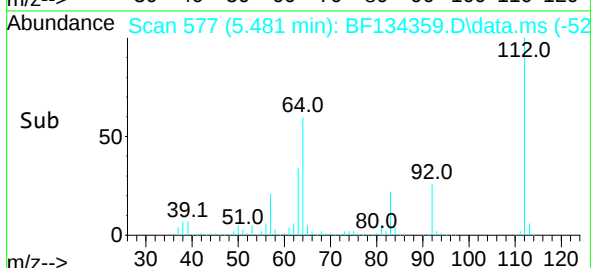
Tgt Ion:152 Resp: 73713
Ion Ratio Lower Upper
152 100
150 156.6 124.5 186.7
115 59.6 50.2 75.2



#5
2-Fluorophenol
Concen: 82.836 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.012 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17



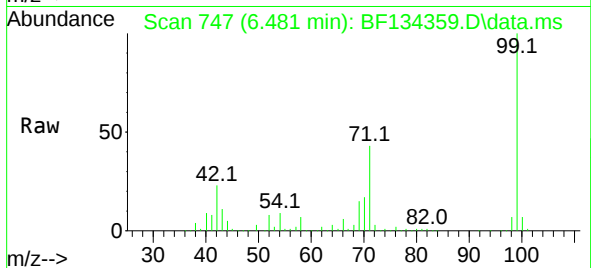
Tgt Ion:112 Resp: 365031
Ion Ratio Lower Upper
112 100
64 59.6 52.1 78.1
63 33.7 28.6 42.8



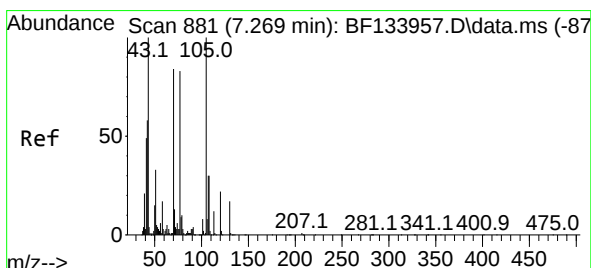
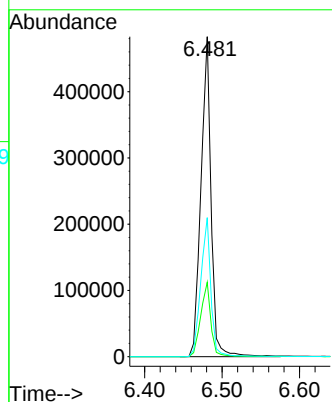
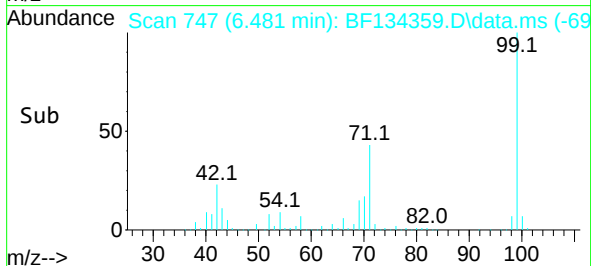


#7
Phenol-d6
Concen: 80.908 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

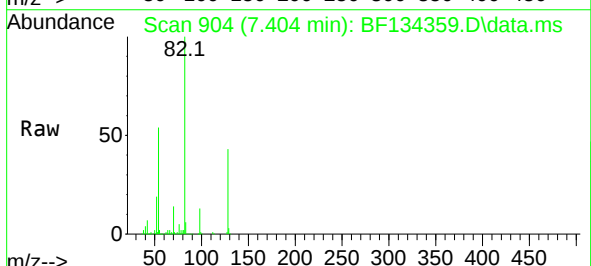
Instrument :
BNA_F
ClientSampleId :



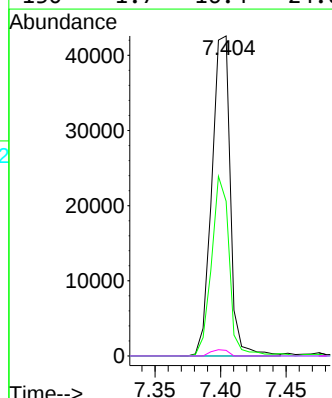
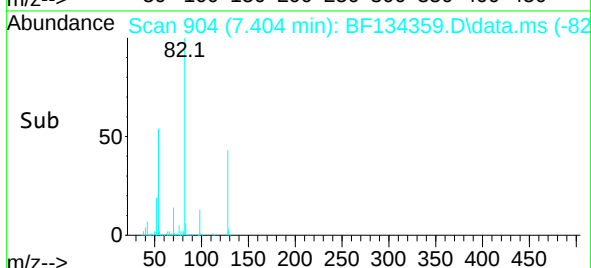
Tgt Ion: 99 Resp: 438467
Ion Ratio Lower Upper
99 100
42 23.2 19.8 29.6
71 43.5 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.148 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.147 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17



Tgt Ion: 70 Resp: 41749
Ion Ratio Lower Upper
70 100
42 48.4 54.7 82.1#
101 0.0 7.7 11.5#
130 1.7 16.4 24.6#



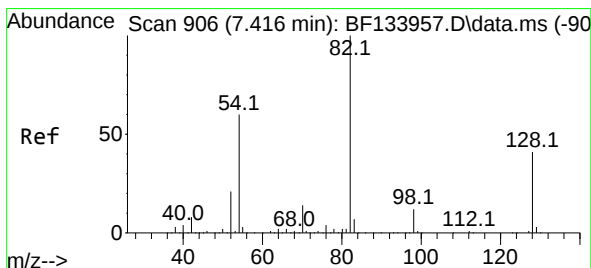
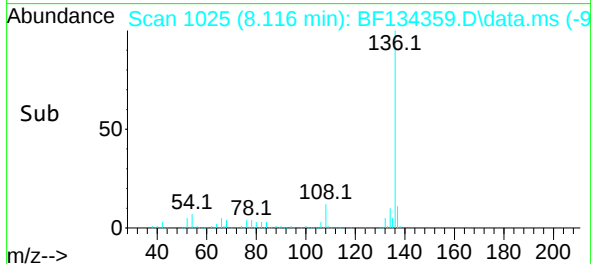
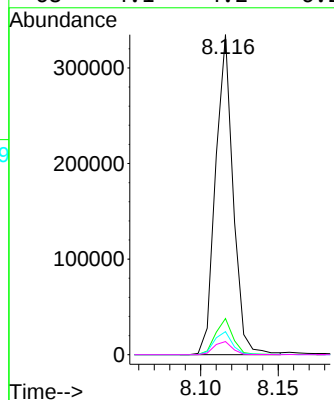
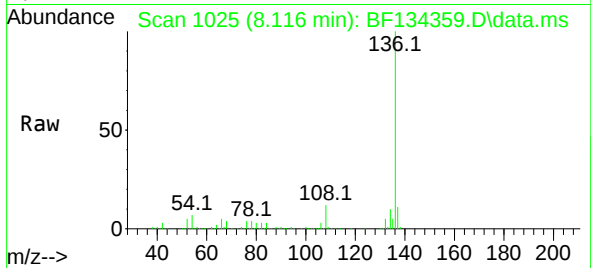


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 263621

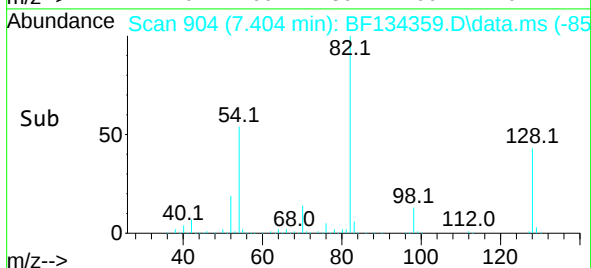
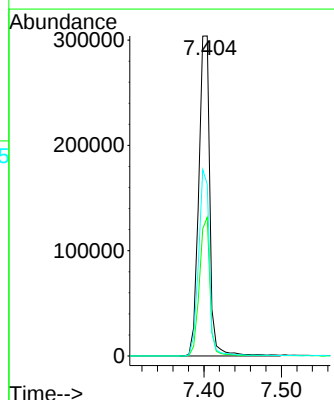
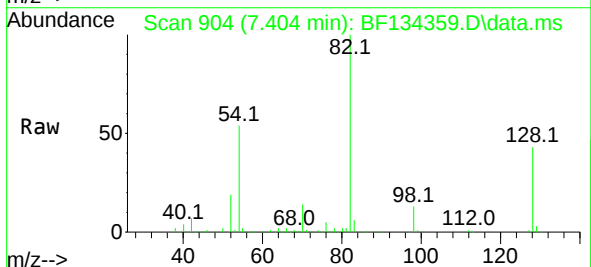
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	12.8
54	7.2	6.5	9.7
68	4.1	4.2	6.2



#23
Nitrobenzene-d5
Concen: 61.772 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

Tgt Ion: 82 Resp: 302093

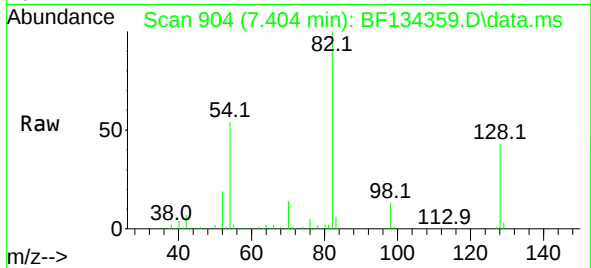
Ion	Ratio	Lower	Upper
82	100		
128	43.4	32.5	48.7
54	53.7	48.2	72.2



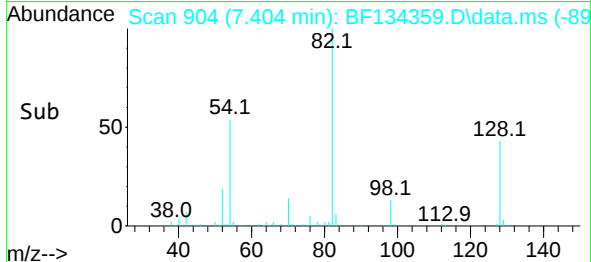
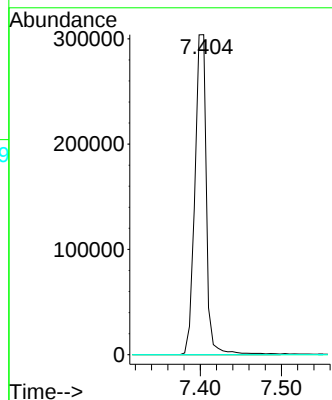


#25
Isophorone
Concen: 33.988 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

Instrument :
BNA_F
ClientSampleId :

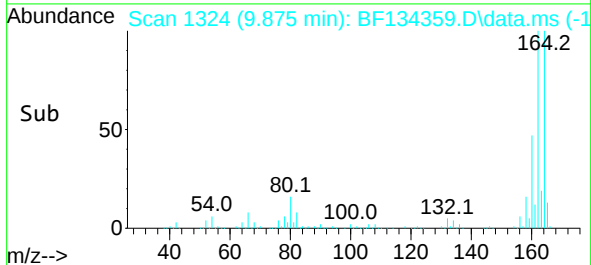
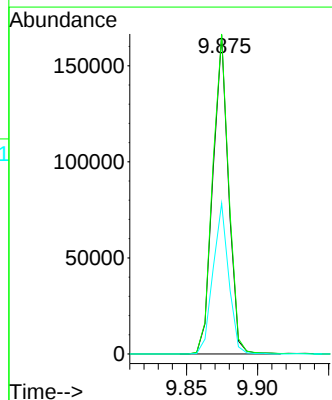
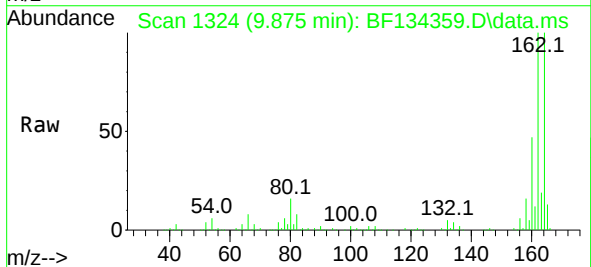


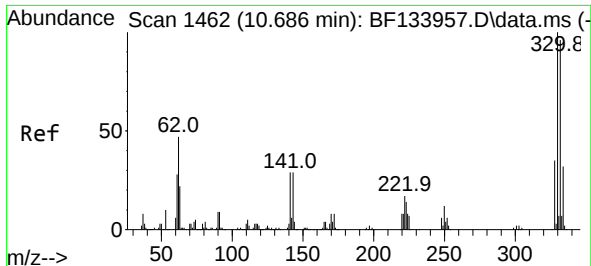
Tgt Ion: 82 Resp: 302089
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

Tgt Ion:164 Resp: 126867
Ion Ratio Lower Upper
164 100
162 100.4 80.0 120.0
160 47.3 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 85.840 ng

RT: 10.669 min Scan# 1462

Delta R.T. -0.012 min

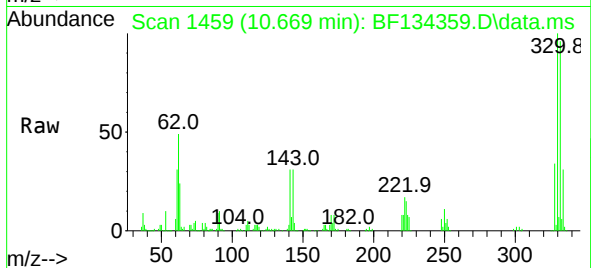
Lab File: BF134359.D

Acq: 19 Jul 2023 15:17

Instrument :

BNA_F

ClientSampleId :



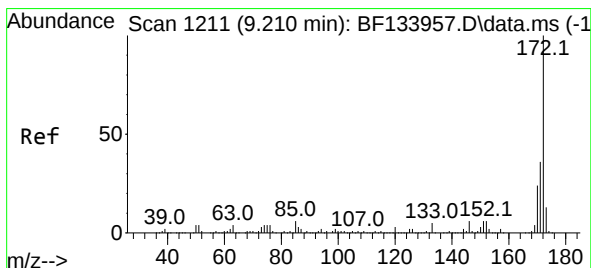
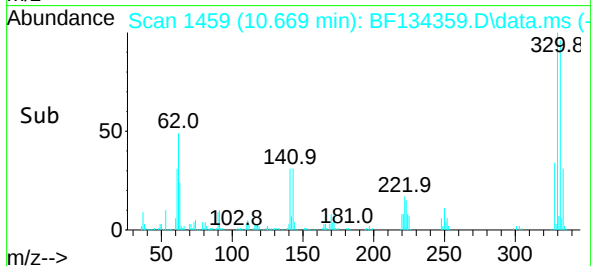
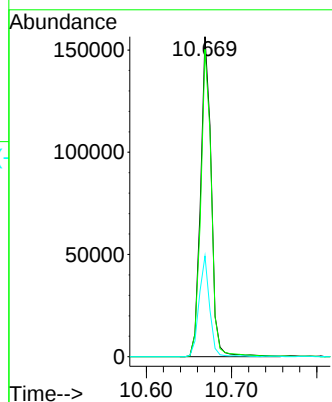
Tgt Ion:330 Resp: 136542

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

141 31.0 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 64.952 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.012 min

Lab File: BF134359.D

Acq: 19 Jul 2023 15:17

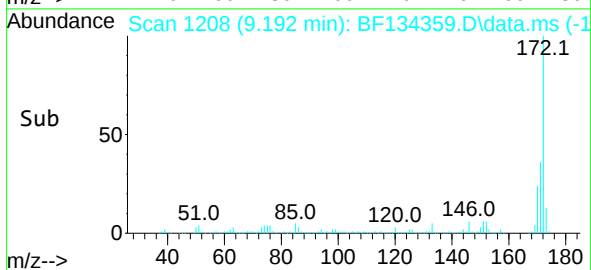
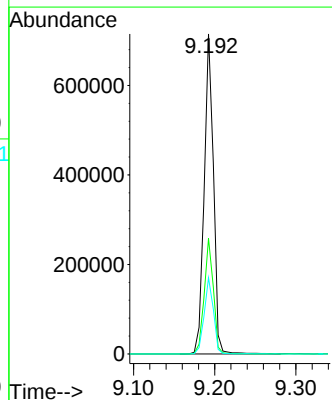
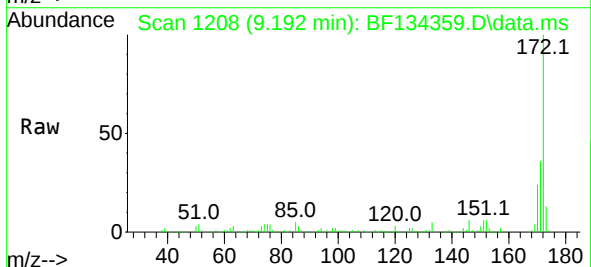
Tgt Ion:172 Resp: 566771

Ion Ratio Lower Upper

172 100

171 36.1 28.6 43.0

170 23.8 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.328 ng

RT: 9.875 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF134359.D

Acq: 19 Jul 2023 15:17

Instrument :

BNA_F

ClientSampleId :

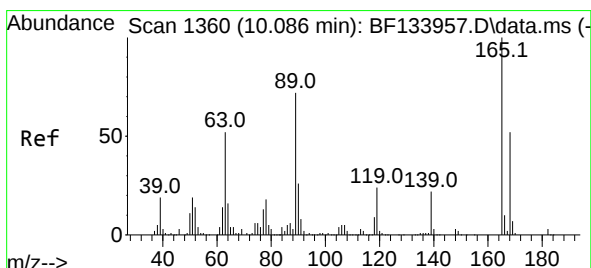
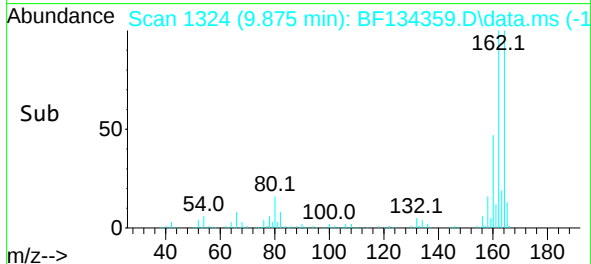
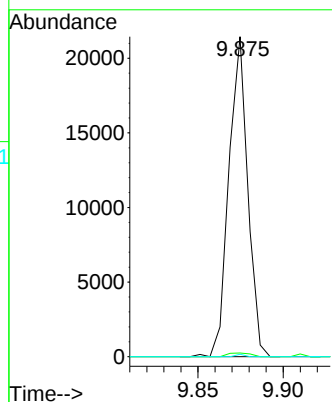
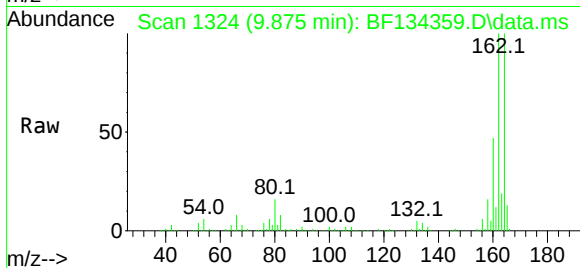
Tgt Ion:165 Resp: 16518

Ion Ratio Lower Upper

165 100

63 1.2 48.5 72.7#

89 0.7 45.5 68.3#



#57

2,4-Dinitrotoluene

Concen: 6.306 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.206 min

Lab File: BF134359.D

Acq: 19 Jul 2023 15:17

Tgt Ion:165 Resp: 16518

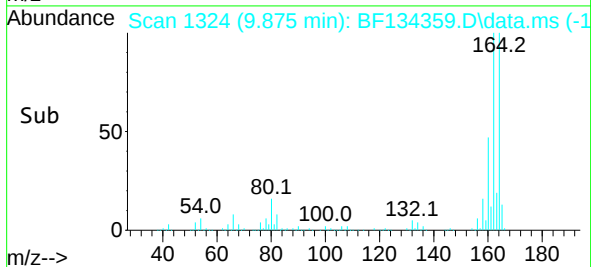
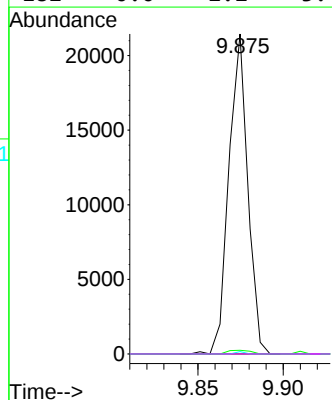
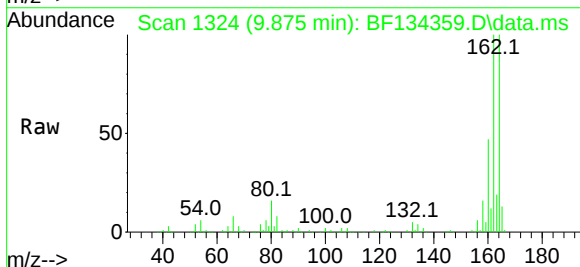
Ion Ratio Lower Upper

165 100

63 1.2 42.2 63.2#

89 0.7 57.4 86.2#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134359.D

Acq: 19 Jul 2023 15:17

Instrument :

BNA_F

ClientSampleId :

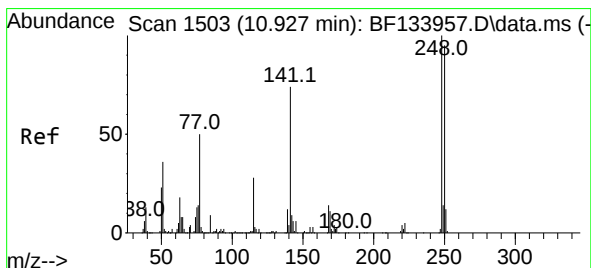
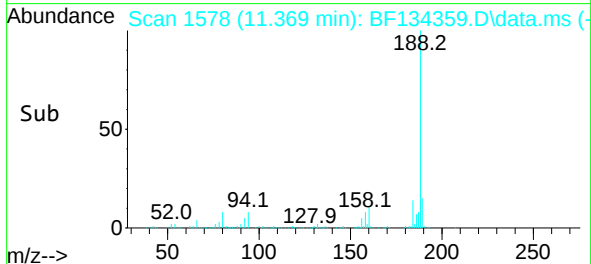
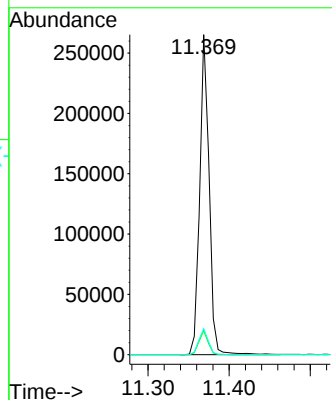
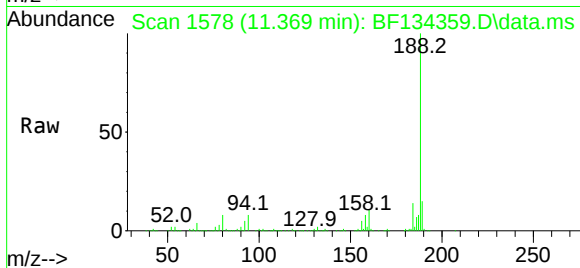
Tgt Ion:188 Resp: 214595

Ion Ratio Lower Upper

188 100

94 7.5 6.4 9.6

80 8.2 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.306 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.247 min

Lab File: BF134359.D

Acq: 19 Jul 2023 15:17

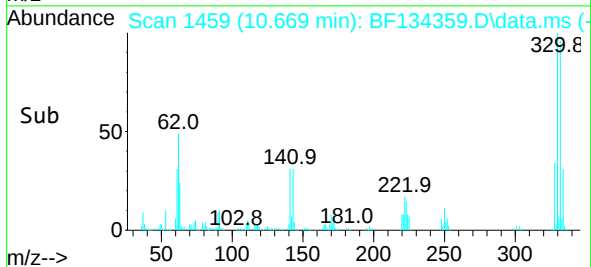
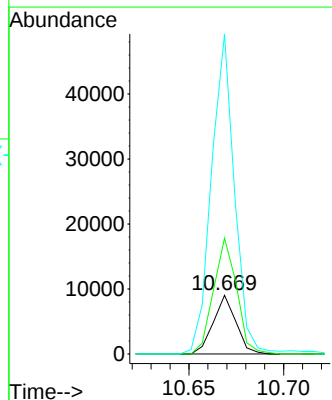
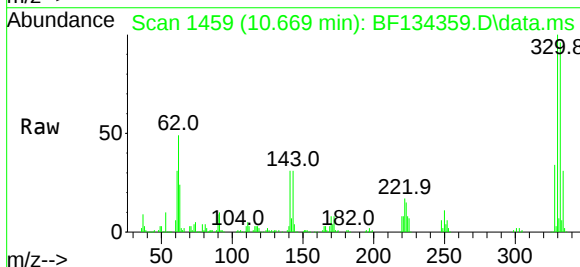
Tgt Ion:248 Resp: 7540

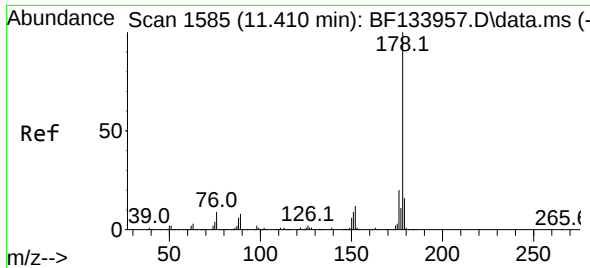
Ion Ratio Lower Upper

248 100

250 197.5 76.2 114.4#

141 545.5 59.0 88.4#

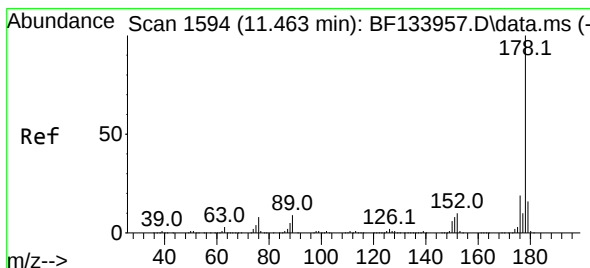
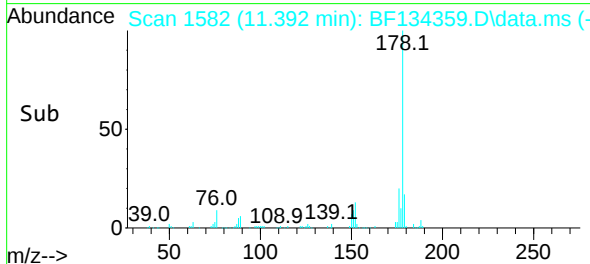
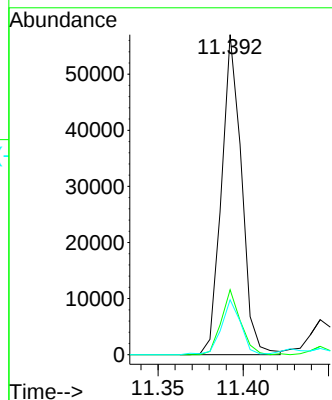
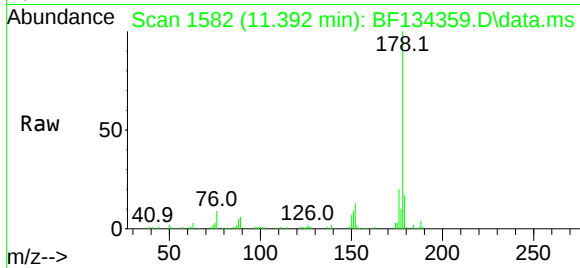




#71
Phenanthrene
Concen: 4.323 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

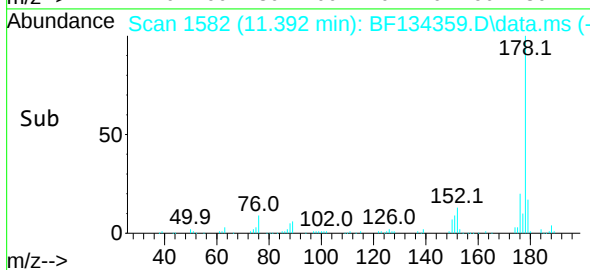
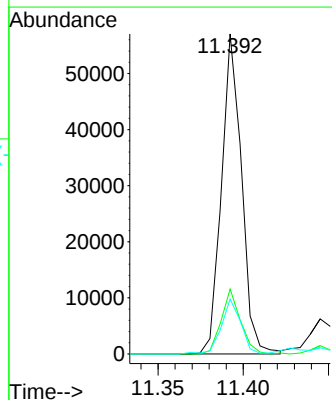
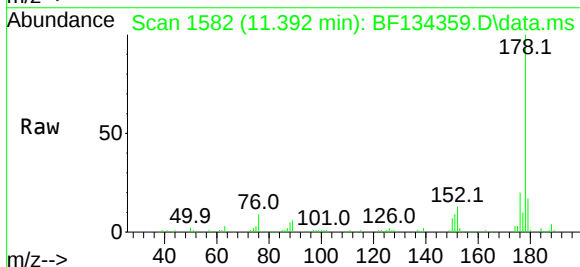
Instrument :
BNA_F
ClientSampleId :

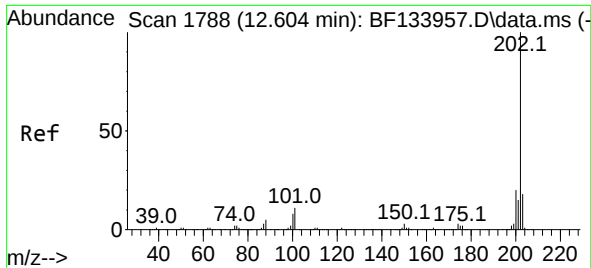
Tgt Ion:178 Resp: 46706
Ion Ratio Lower Upper
178 100
176 20.3 16.0 24.0
179 17.1 12.4 18.6



#72
Anthracene
Concen: 4.157 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.065 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

Tgt Ion:178 Resp: 46706
Ion Ratio Lower Upper
178 100
176 20.3 15.3 22.9
179 17.1 12.4 18.6

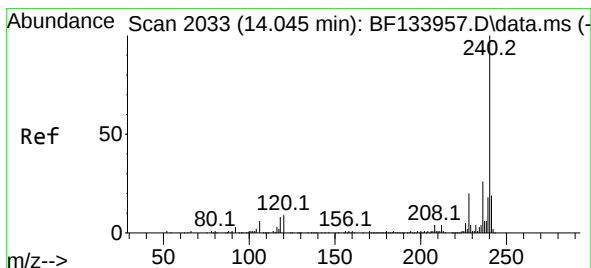
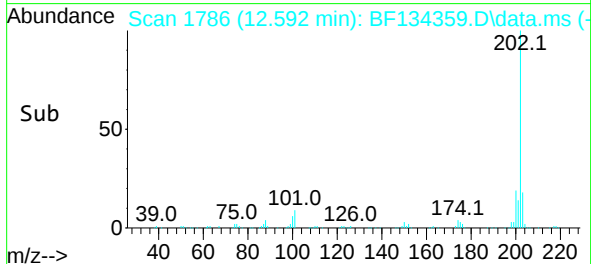
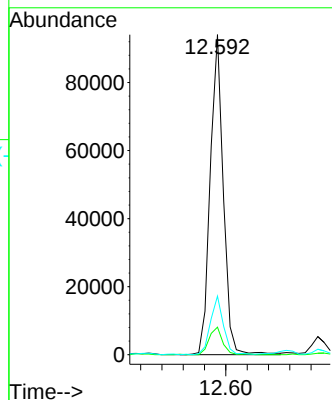
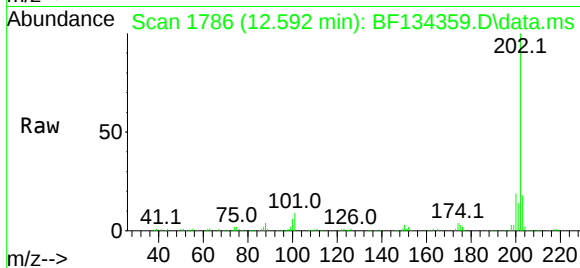




#75
Fluoranthene
Concen: 6.886 ng
RT: 12.592 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

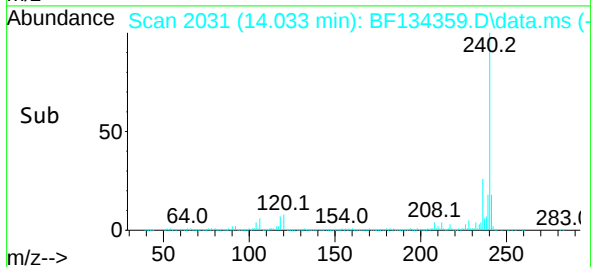
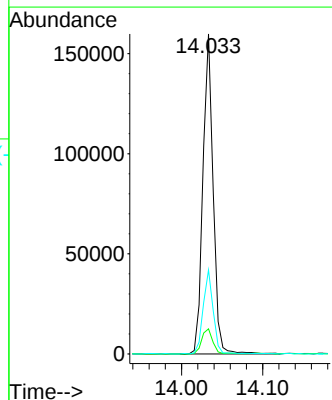
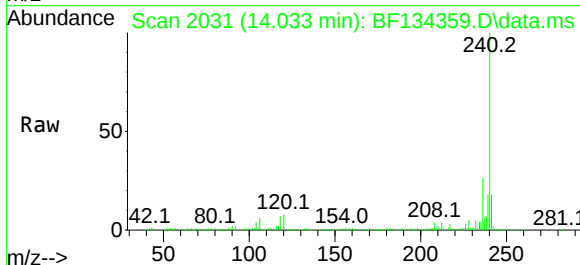
Instrument :
BNA_F
ClientSampleId :

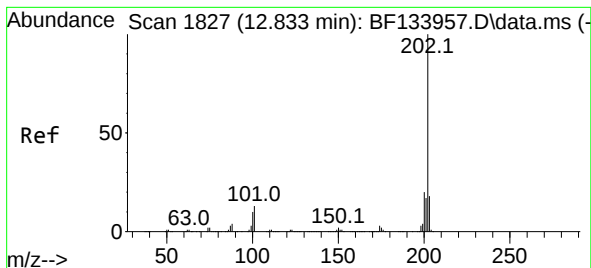
Tgt Ion:202 Resp: 80428
Ion Ratio Lower Upper
202 100
101 8.6 0.0 31.0
203 18.3 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

Tgt Ion:240 Resp: 140284
Ion Ratio Lower Upper
240 100
120 7.8 7.4 11.0
236 26.2 21.0 31.6





#78

Pyrene

Concen: 5.618 ng

RT: 12.822 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF134359.D

Acq: 19 Jul 2023 15:17

Instrument :

BNA_F

ClientSampleId :

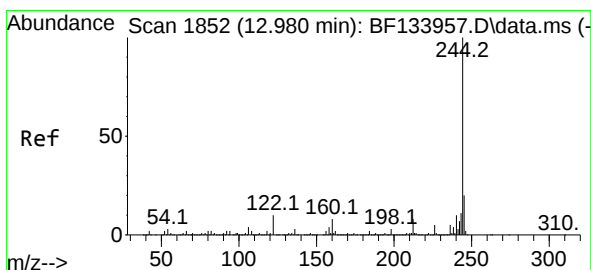
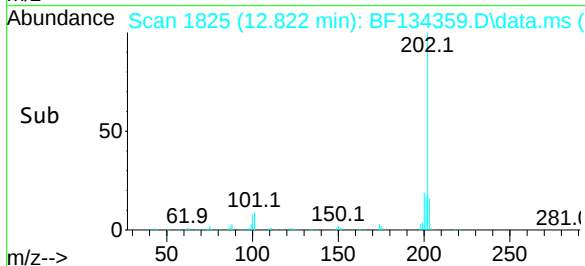
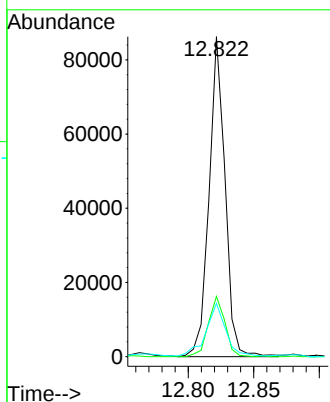
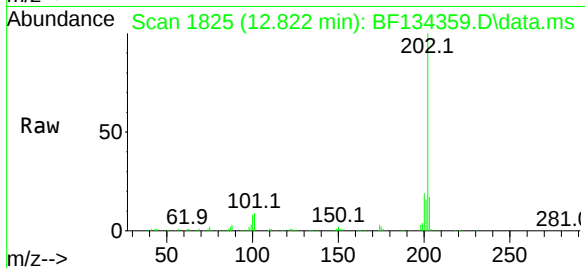
Tgt Ion:202 Resp: 73343

Ion Ratio Lower Upper

202 100

200 18.8 16.1 24.1

203 16.7 14.3 21.5



#79

Terphenyl-d14

Concen: 53.109 ng

RT: 12.969 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF134359.D

Acq: 19 Jul 2023 15:17

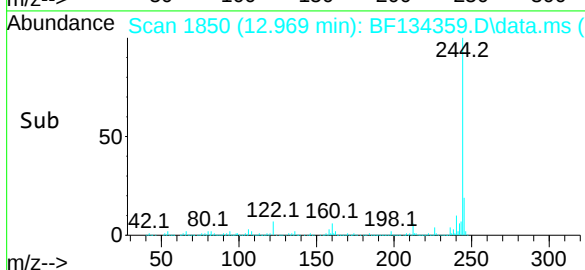
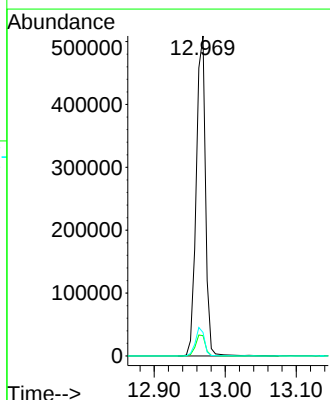
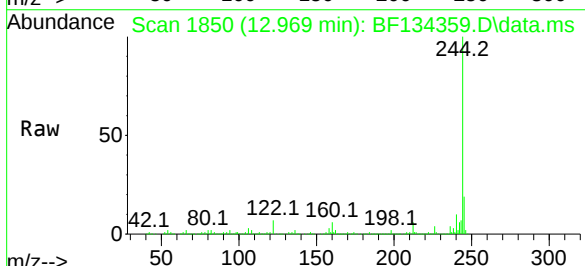
Tgt Ion:244 Resp: 462922

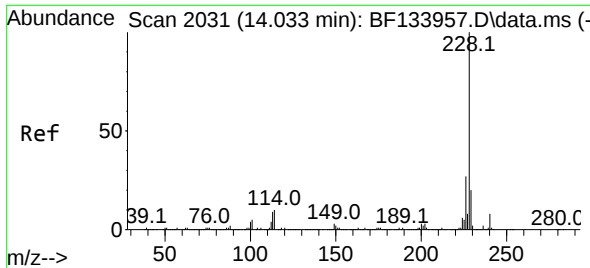
Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

122 7.3 8.3 12.5#

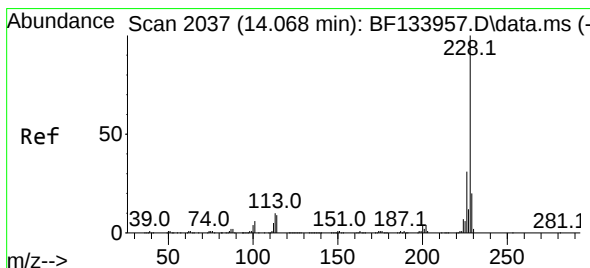
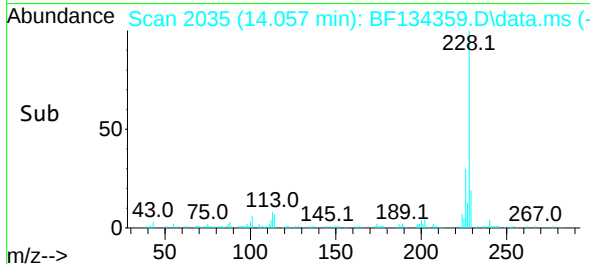
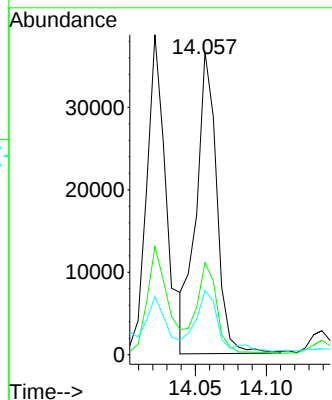
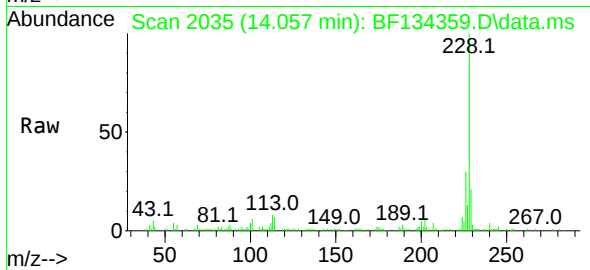




#81
Benzo(a)anthracene
Concen: 3.779 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.030 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

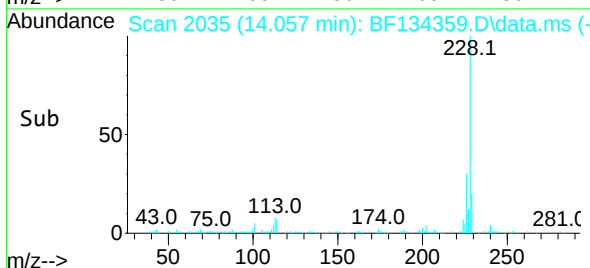
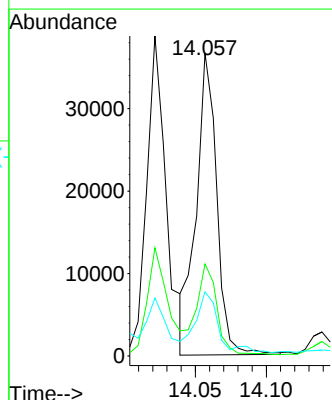
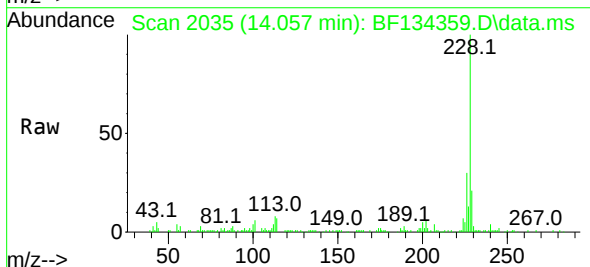
Instrument :
BNA_F
ClientSampleId :

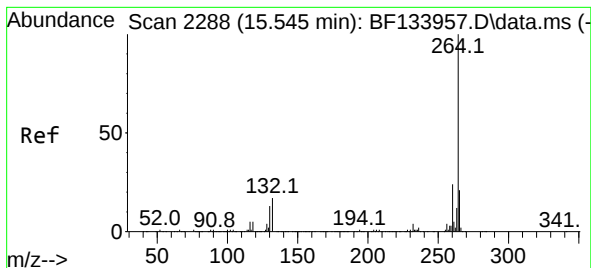
Tgt Ion:228 Resp: 36761
Ion Ratio Lower Upper
228 100
226 30.4 22.0 33.0
229 21.2 16.3 24.5



#83
Chrysene
Concen: 3.901 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

Tgt Ion:228 Resp: 36761
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 21.2 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: BF134359.D

Acq: 19 Jul 2023 15:17

Instrument :

BNA_F

ClientSampleId :

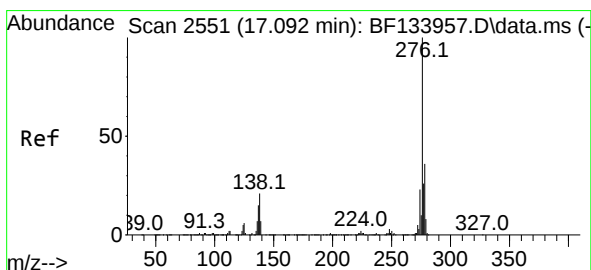
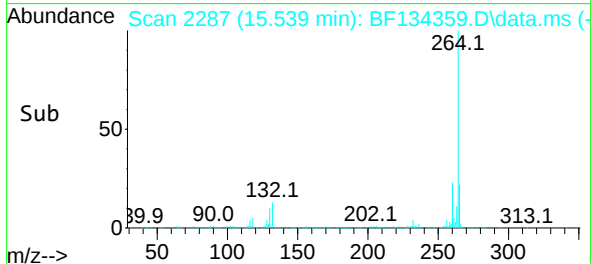
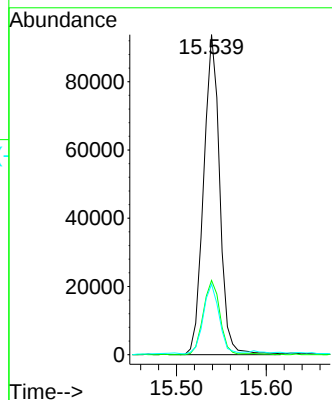
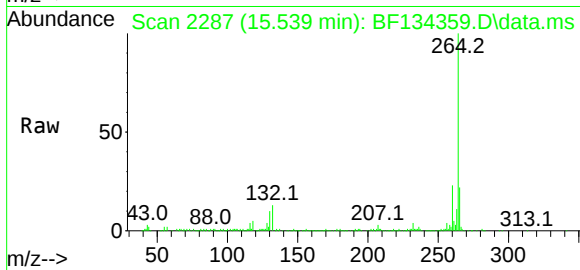
Tgt Ion:264 Resp: 116833

Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

265 22.0 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.236 ng

RT: 17.086 min Scan# 2550

Delta R.T. -0.012 min

Lab File: BF134359.D

Acq: 19 Jul 2023 15:17

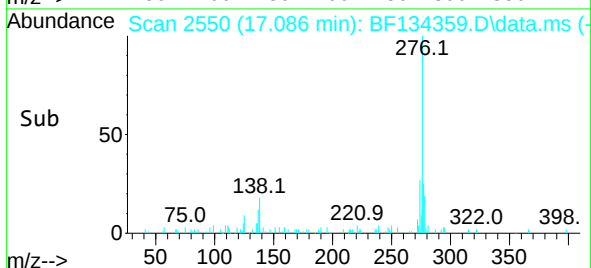
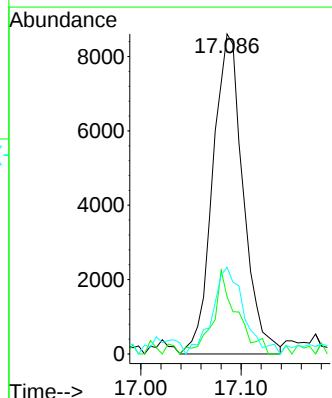
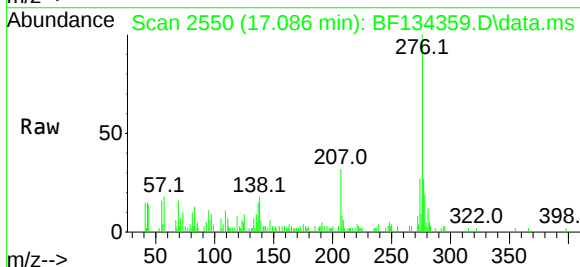
Tgt Ion:276 Resp: 18128

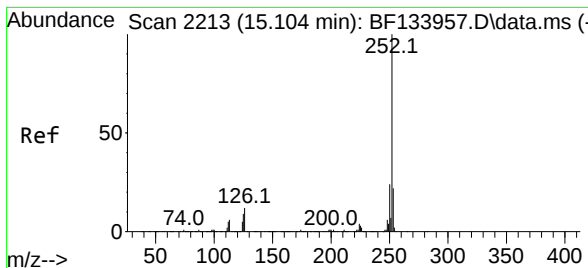
Ion Ratio Lower Upper

276 100

138 20.6 18.7 28.1

277 27.6 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 8.266 ng

RT: 15.092 min Scan# 2111

Delta R.T. -0.012 min

Lab File: BF134359.D

Acq: 19 Jul 2023 15:17

Instrument :

BNA_F

ClientSampleId :

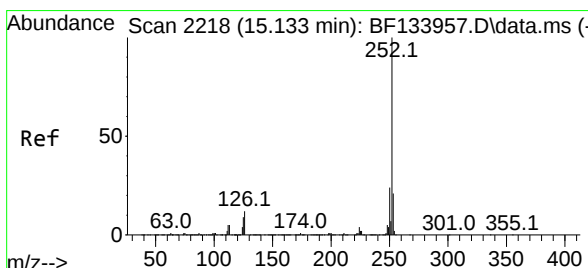
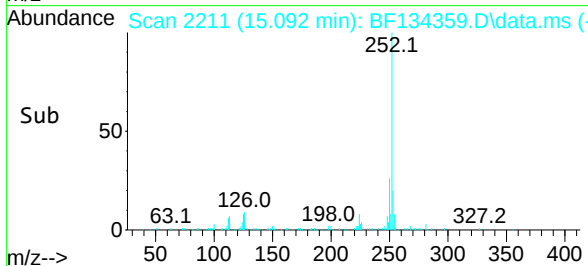
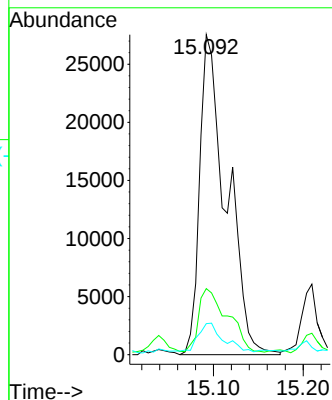
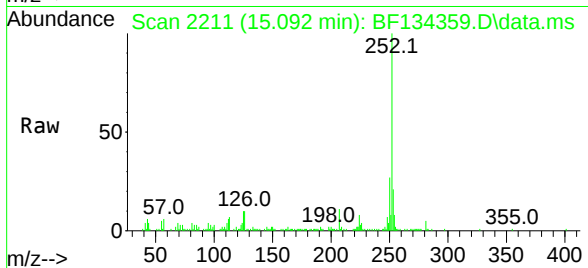
Tgt Ion:252 Resp: 56785

Ion Ratio Lower Upper

252 100

253 20.7 17.4 26.0

125 9.7 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 8.118 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.041 min

Lab File: BF134359.D

Acq: 19 Jul 2023 15:17

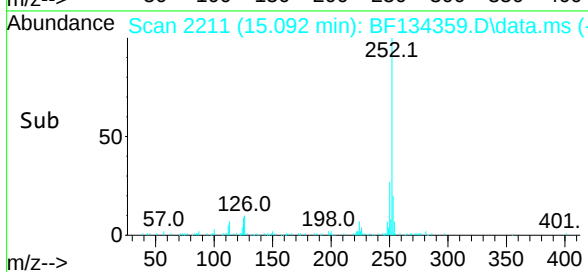
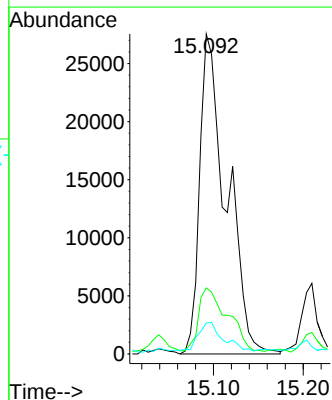
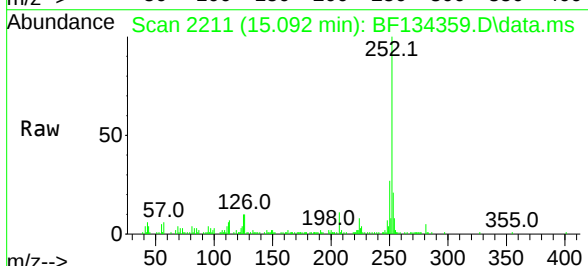
Tgt Ion:252 Resp: 56785

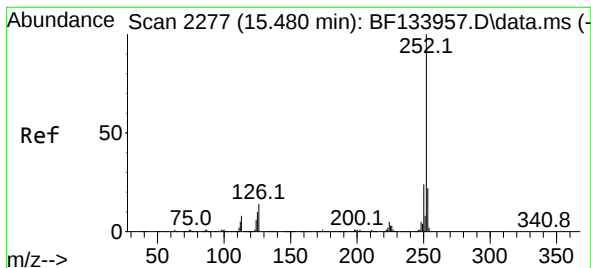
Ion Ratio Lower Upper

252 100

253 20.7 16.9 25.3

125 9.7 7.4 11.2





#90

Benzo(a)pyrene

Concen: 4.175 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134359.D

Acq: 19 Jul 2023 15:17

Instrument :

BNA_F

ClientSampleId :

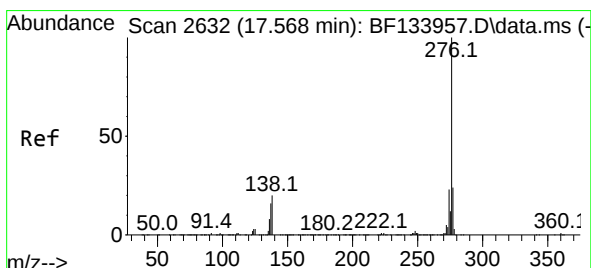
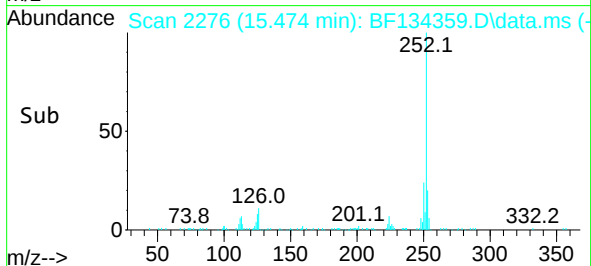
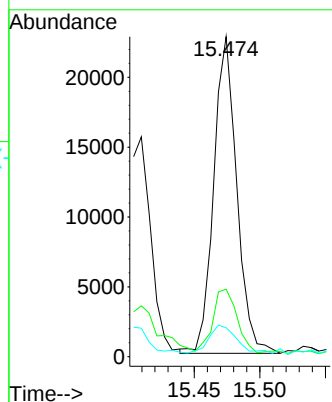
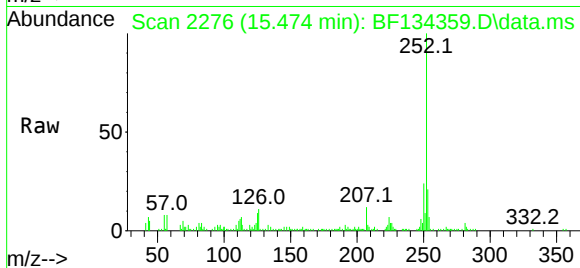
Tgt Ion:252 Resp: 27732

Ion Ratio Lower Upper

252 100

253 21.1 17.4 26.0

125 9.1 8.4 12.6



#92

Benzo(g,h,i)perylene

Concen: 2.358 ng

RT: 17.551 min Scan# 2629

Delta R.T. -0.017 min

Lab File: BF134359.D

Acq: 19 Jul 2023 15:17

Tgt Ion:276 Resp: 16103

Ion Ratio Lower Upper

276 100

277 22.9 19.0 28.6

138 17.2 16.2 24.2

