

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
 Data File : BF139389.D
 Acq On : 16 Sep 2024 20:16
 Operator : RC/JU
 Sample : P3976-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RW-2

Quant Time: Sep 17 01:39:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

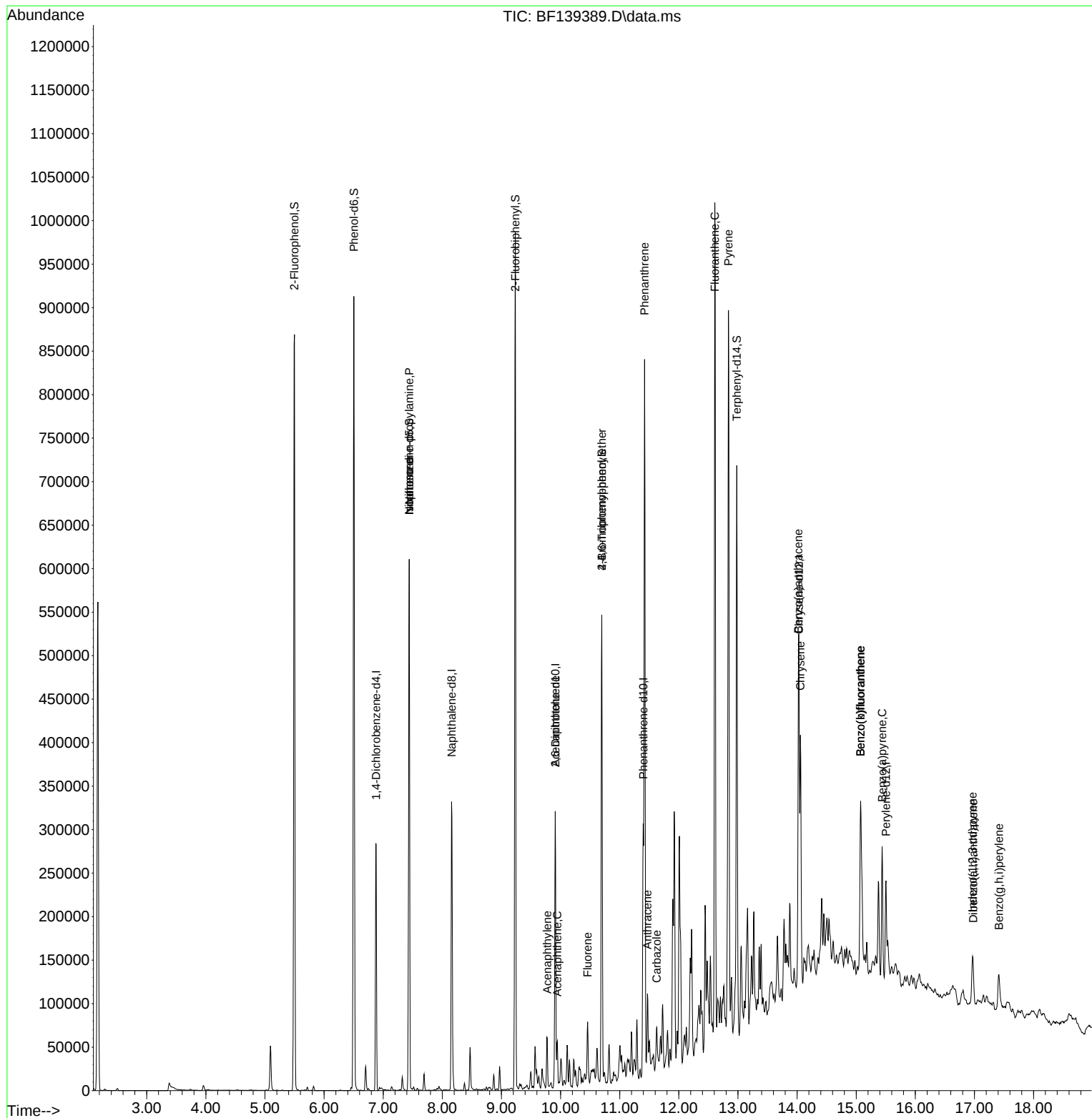
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	54815	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	188948	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	86424	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	141454	20.000	ng	0.00
76) Chrysene-d12	14.033	240	73207	20.000	ng	0.00
86) Perylene-d12	15.504	264	65831	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	283273	84.305	ng	0.00
7) Phenol-d6	6.504	99	364277	82.596	ng	0.00
23) Nitrobenzene-d5	7.439	82	242945	60.446	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	71014	77.182	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	394069	63.951	ng	0.00
79) Terphenyl-d14	12.980	244	281131	63.033	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	34386	13.157	ng	# 77
25) Isophorone	7.439	82	242943	38.220	ng	# 66
49) Acenaphthylene	9.775	152	29230	3.906	ng	97
51) 2,6-Dinitrotoluene	9.910	165	12369	9.843	ng	# 15
52) Acenaphthene	9.945	154	16278	3.117	ng	99
58) Fluorene	10.457	166	27151	4.571	ng	99
67) 4-Bromophenyl-phenylether	10.698	248	5285	3.770	ng	# 1
71) Phenanthrene	11.421	178	406299	59.535	ng	99
72) Anthracene	11.469	178	52565	7.878	ng	98
73) Carbazole	11.627	167	23552	3.688	ng	97
75) Fluoranthene	12.610	202	534621	73.356	ng	99
78) Pyrene	12.839	202	484044	77.006	ng	98
81) Benzo(a)anthracene	14.021	228	155708	32.110	ng	93
83) Chrysene	14.057	228	146040	32.735	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	41965	10.720	ng	95
88) Benzo(b)fluoranthene	15.074	252	166084	40.907	ng	# 97
89) Benzo(k)fluoranthene	15.074	252	166084	44.366	ng	# 96
90) Benzo(a)pyrene	15.439	252	90496	26.876	ng	98
91) Dibenzo(a,h)anthracene	16.980	278	11551	3.571	ng	# 85
92) Benzo(g,h,i)perylene	17.415	276	41590	12.986	ng	97

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

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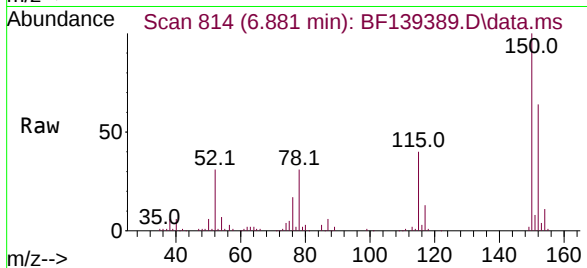
Quant Time: Sep 17 01:39:13 2024
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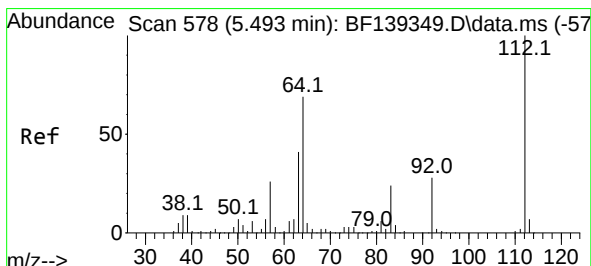
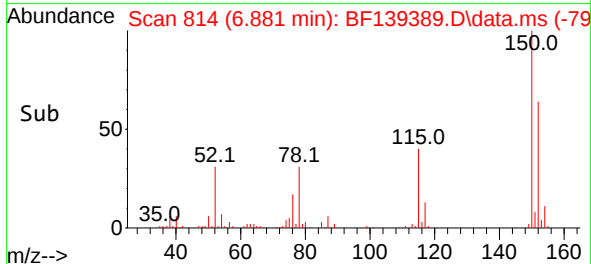
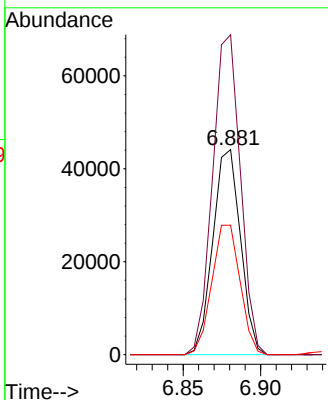


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139389.D
Acq: 16 Sep 2024 20:16

Instrument :
BNA_F
ClientSampleId :
RW-2

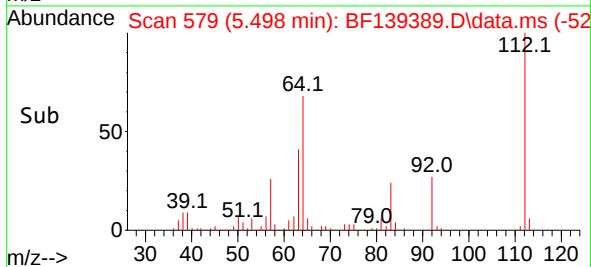
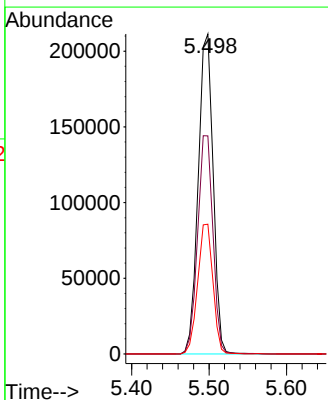
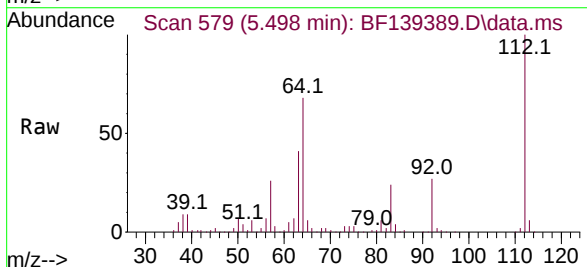


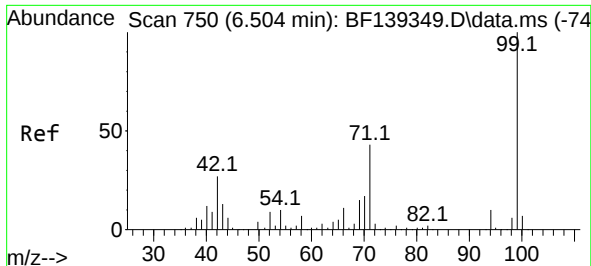
Tgt Ion:152 Resp: 54815
Ion Ratio Lower Upper
152 100
150 155.9 124.1 186.1
115 63.1 48.1 72.1



#5
2-Fluorophenol
Concen: 84.305 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139389.D
Acq: 16 Sep 2024 20:16

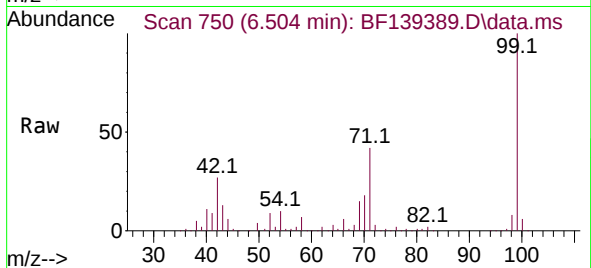
Tgt Ion:112 Resp: 283273
Ion Ratio Lower Upper
112 100
64 68.2 54.8 82.2
63 40.6 33.0 49.4



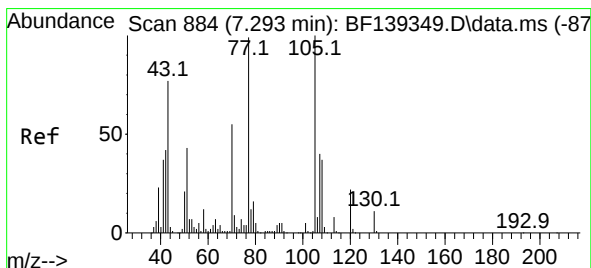
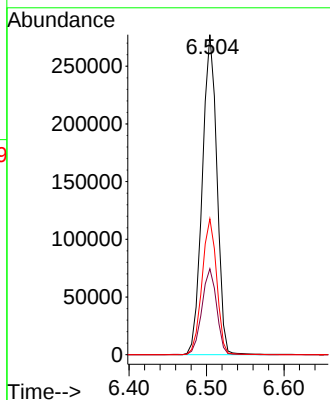
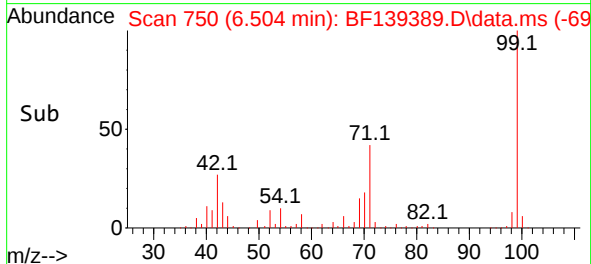


#7
Phenol-d6
Concen: 82.596 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139389.D
Acq: 16 Sep 2024 20:16

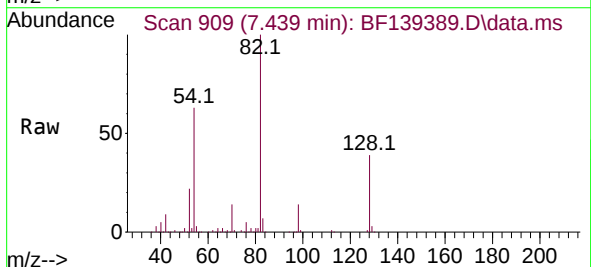
Instrument :
BNA_F
ClientSampleId :
RW-2



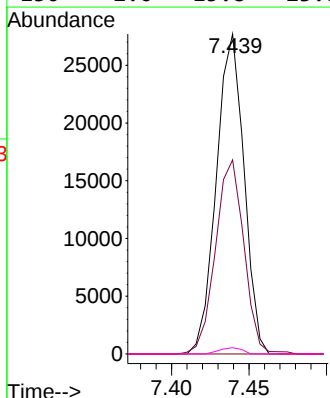
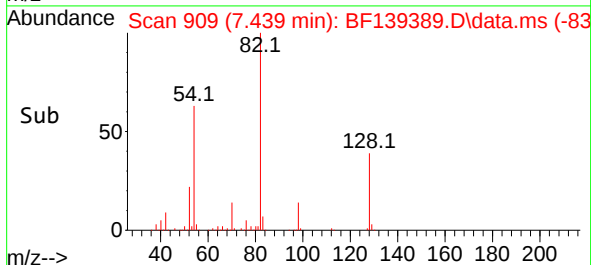
Tgt Ion: 99 Resp: 364277
Ion Ratio Lower Upper
99 100
42 26.8 21.9 32.9
71 42.5 34.6 52.0

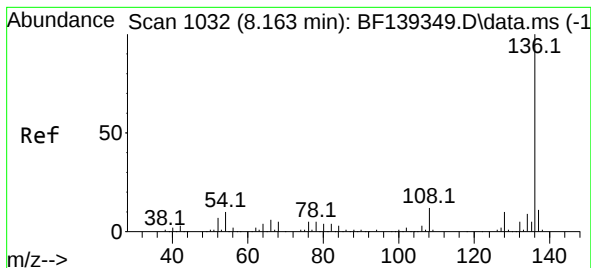


#19
n-Nitroso-di-n-propylamine
Concen: 13.157 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139389.D
Acq: 16 Sep 2024 20:16



Tgt Ion: 70 Resp: 34386
Ion Ratio Lower Upper
70 100
42 60.7 61.2 91.8#
101 0.0 7.5 11.3#
130 2.0 15.8 23.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139389.D

Acq: 16 Sep 2024 20:16

Instrument :

BNA_F

ClientSampleId :

RW-2

Tgt Ion:136 Resp: 188948

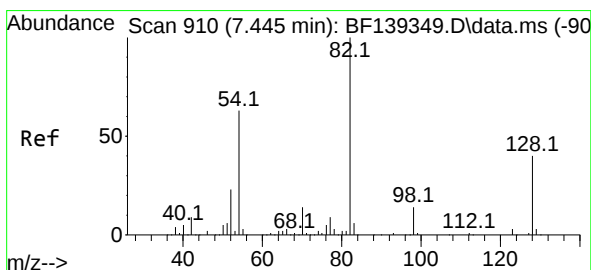
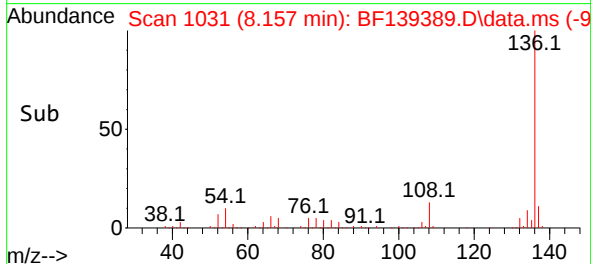
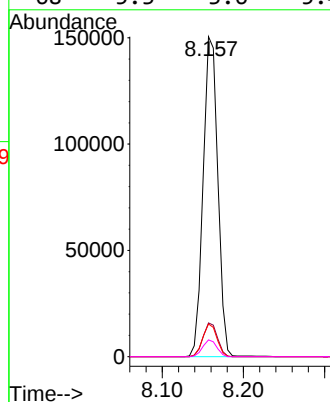
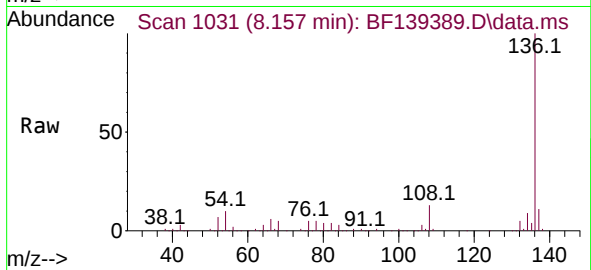
Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

54 10.2 7.8 11.8

68 5.3 3.6 5.4



#23

Nitrobenzene-d5

Concen: 60.446 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF139389.D

Acq: 16 Sep 2024 20:16

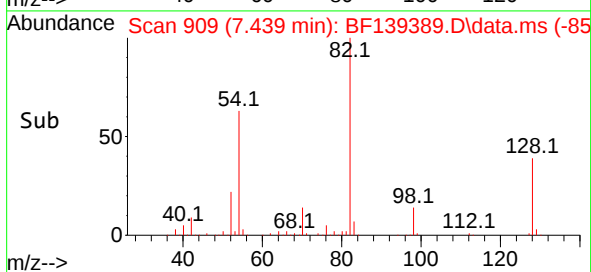
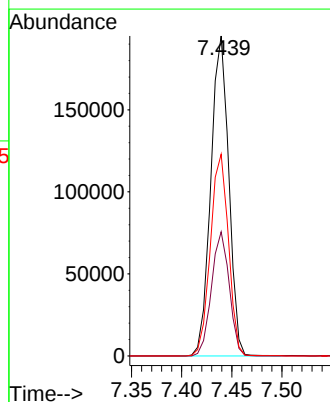
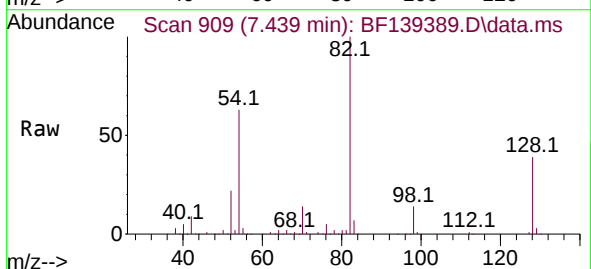
Tgt Ion: 82 Resp: 242945

Ion Ratio Lower Upper

82 100

128 38.8 31.8 47.6

54 63.0 50.6 75.8

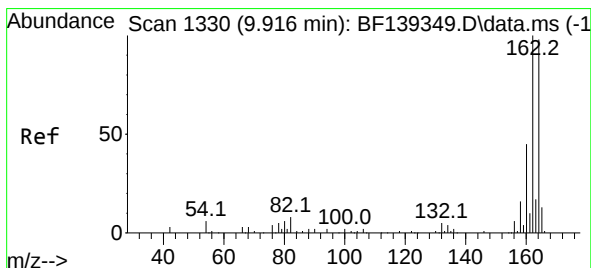
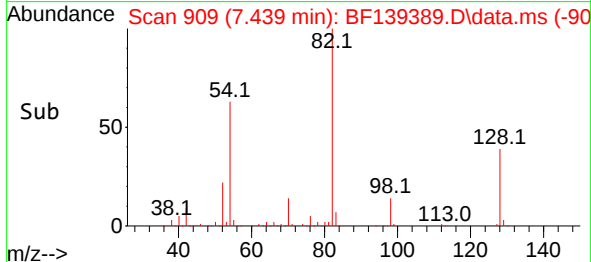
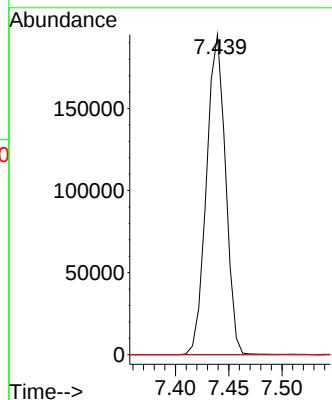
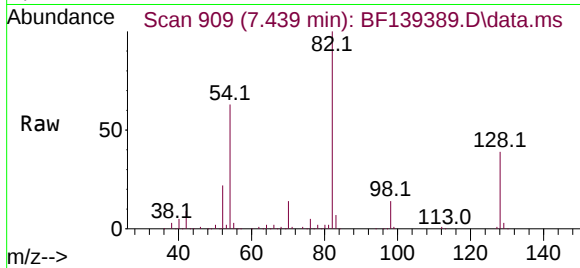




#25
Isophorone
Concen: 38.220 ng
RT: 7.439 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139389.D
Acq: 16 Sep 2024 20:16

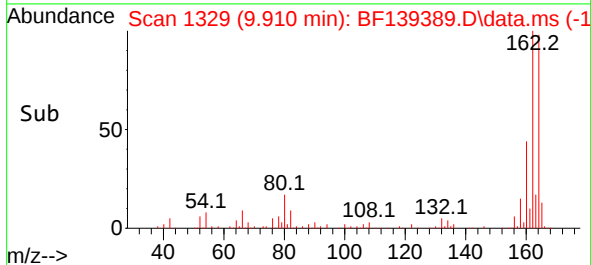
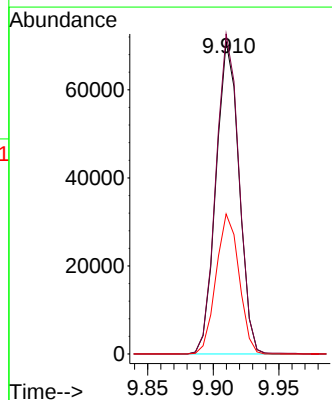
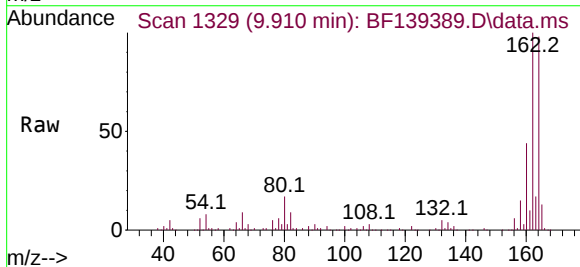
Instrument :
BNA_F
ClientSampleId :
RW-2

Tgt Ion: 82 Resp: 242943
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139389.D
Acq: 16 Sep 2024 20:16

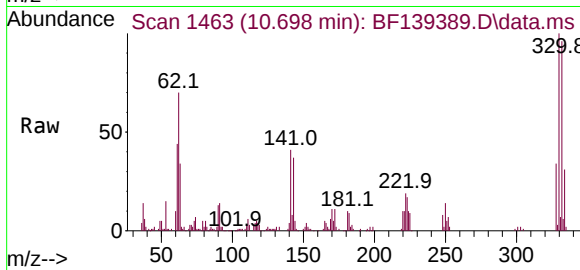
Tgt Ion:164 Resp: 86424
Ion Ratio Lower Upper
164 100
162 102.4 81.3 121.9
160 44.8 36.4 54.6



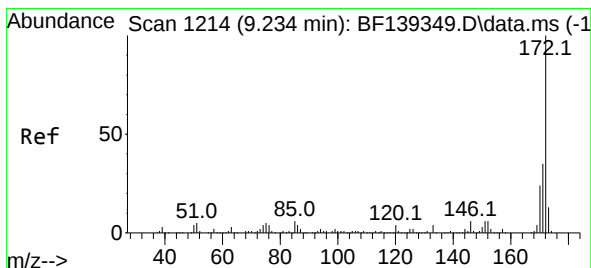
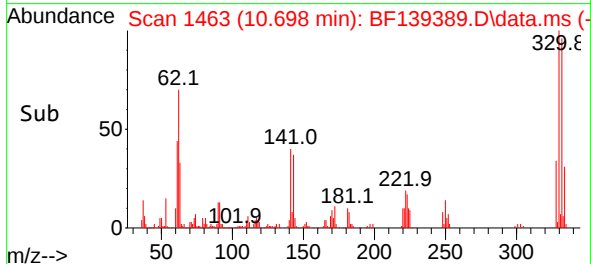
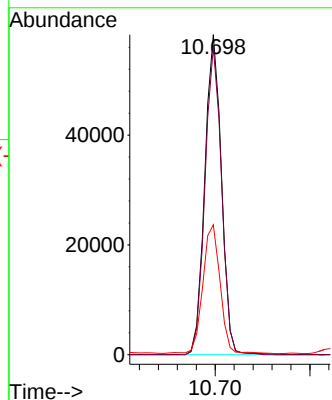


#42
2,4,6-Tribromophenol
Concen: 77.182 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139389.D
Acq: 16 Sep 2024 20:16

Instrument :
BNA_F
ClientSampleId :
RW-2

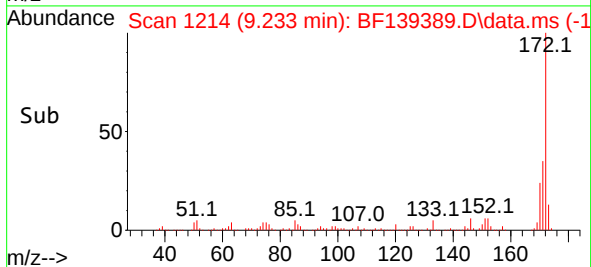
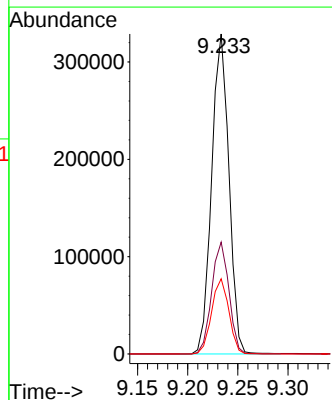
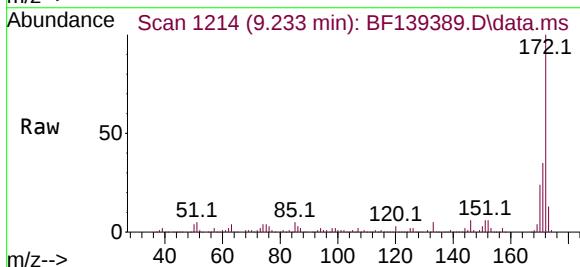


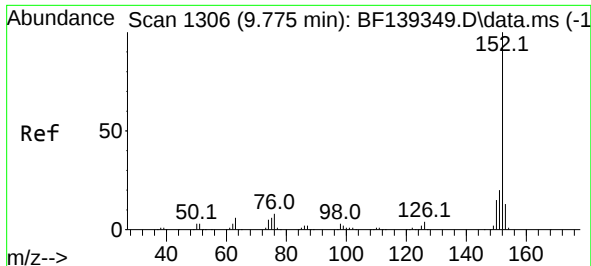
Tgt Ion:330 Resp: 71014
Ion Ratio Lower Upper
330 100
332 95.7 75.2 112.8
141 41.9 31.2 46.8



#45
2-Fluorobiphenyl
Concen: 63.951 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139389.D
Acq: 16 Sep 2024 20:16

Tgt Ion:172 Resp: 394069
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.5 19.0 28.6





#49

Acenaphthylene

Concen: 3.906 ng

RT: 9.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139389.D

Acq: 16 Sep 2024 20:16

Instrument :

BNA_F

ClientSampleId :

RW-2

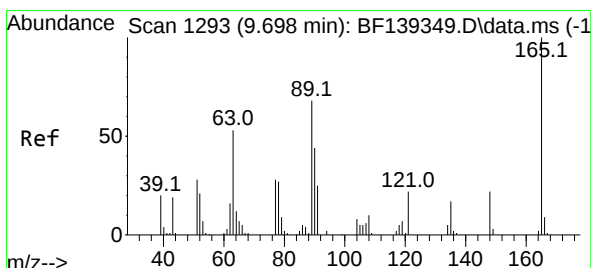
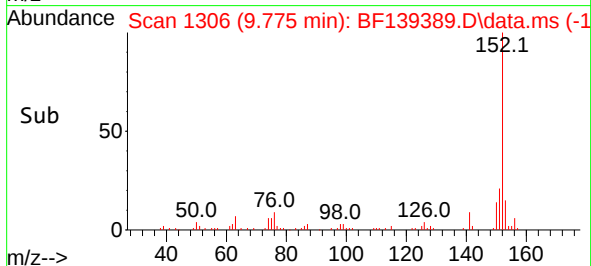
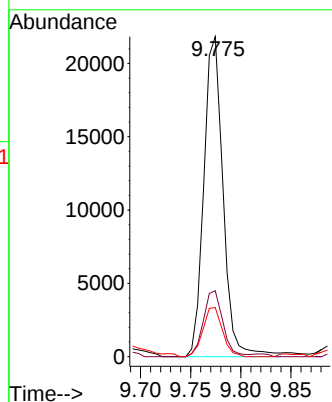
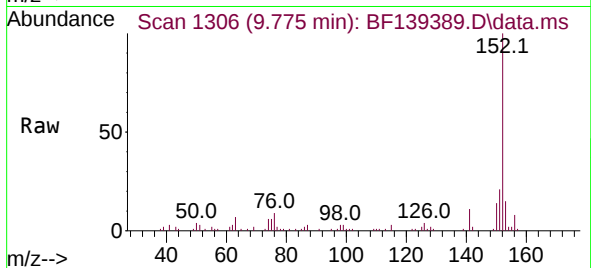
Tgt Ion:152 Resp: 29230

Ion Ratio Lower Upper

152 100

151 20.6 16.2 24.2

153 15.4 10.3 15.5



#51

2,6-Dinitrotoluene

Concen: 9.843 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF139389.D

Acq: 16 Sep 2024 20:16

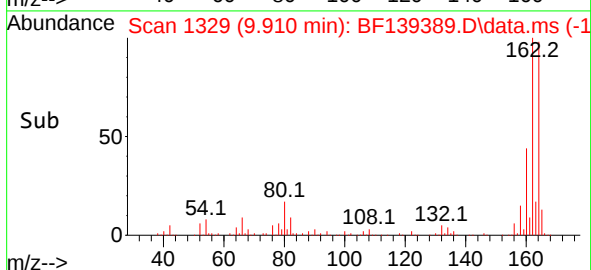
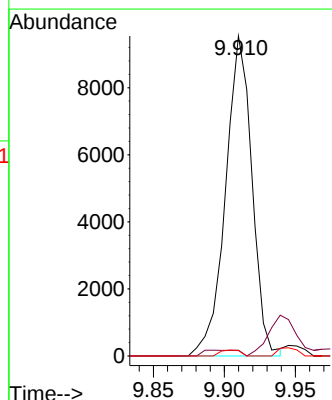
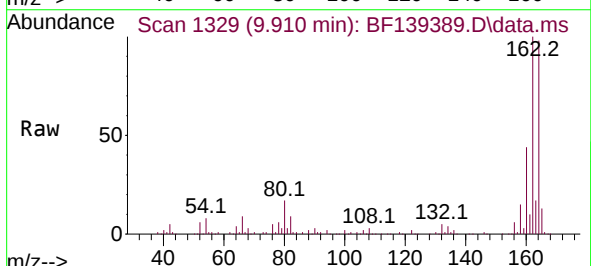
Tgt Ion:165 Resp: 12369

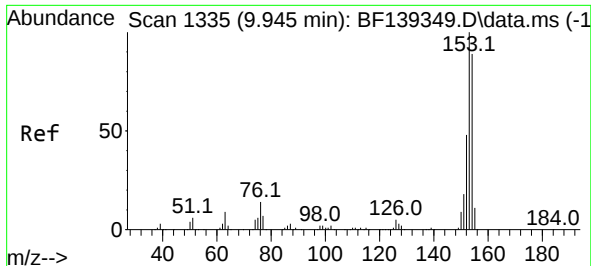
Ion Ratio Lower Upper

165 100

63 1.8 60.9 91.3#

89 1.7 54.7 82.1#

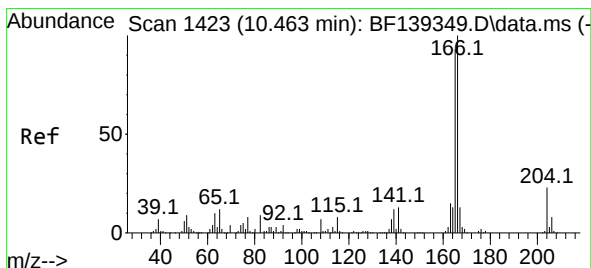
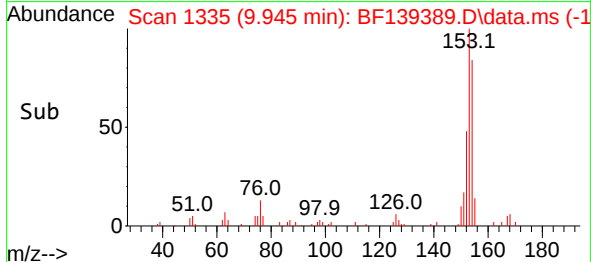
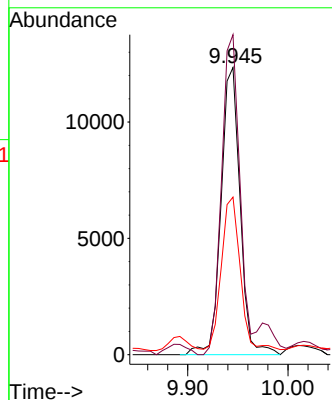
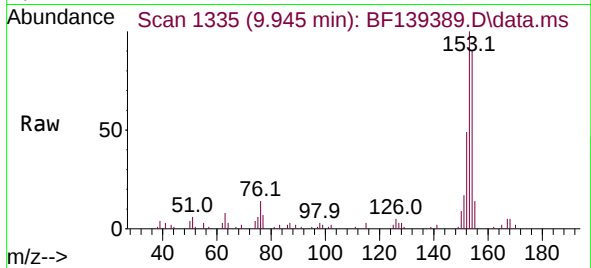




#52
Acenaphthene
Concen: 3.117 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139389.D
Acq: 16 Sep 2024 20:16

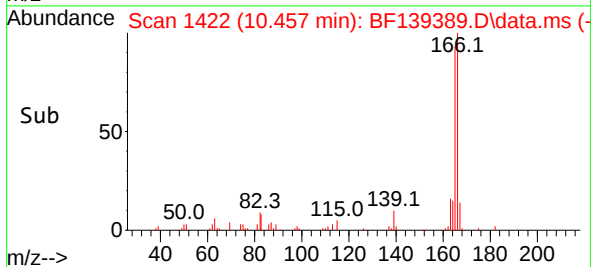
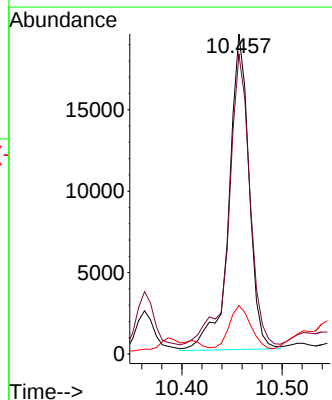
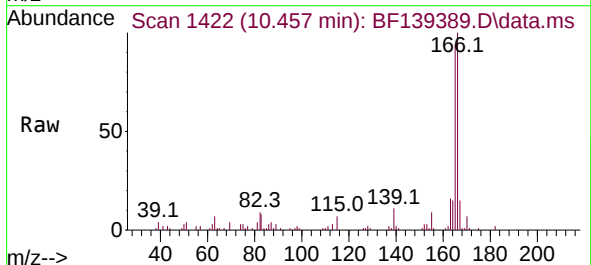
Instrument :
BNA_F
ClientSampleId :
RW-2

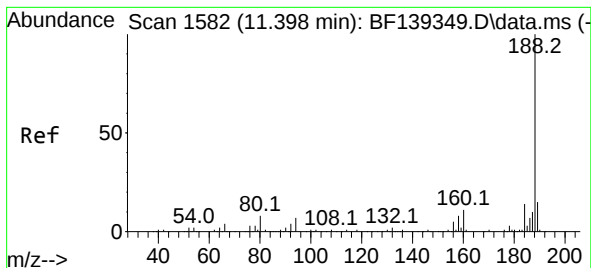
Tgt Ion:154 Resp: 16278
Ion Ratio Lower Upper
154 100
153 111.4 89.5 134.3
152 54.9 42.6 64.0



#58
Fluorene
Concen: 4.571 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF139389.D
Acq: 16 Sep 2024 20:16

Tgt Ion:166 Resp: 27151
Ion Ratio Lower Upper
166 100
165 93.7 74.5 111.7
167 15.1 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139389.D

Acq: 16 Sep 2024 20:16

Instrument :

BNA_F

ClientSampleId :

RW-2

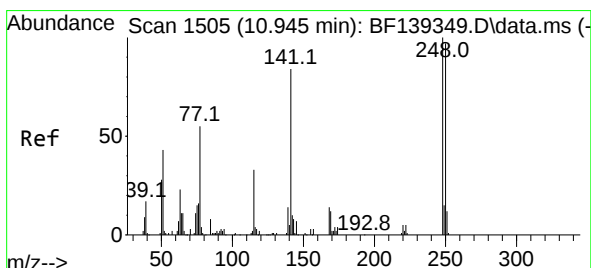
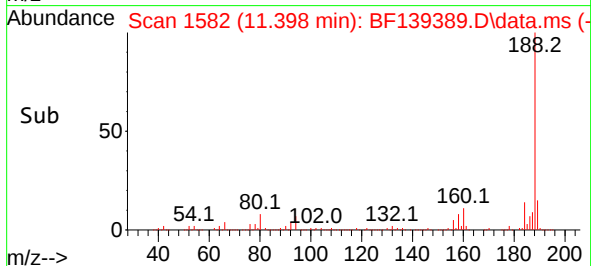
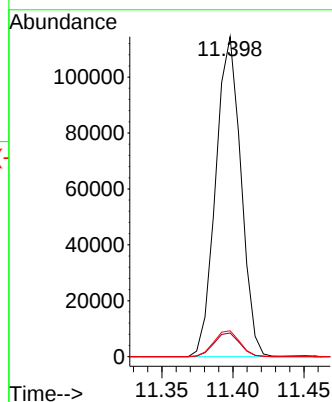
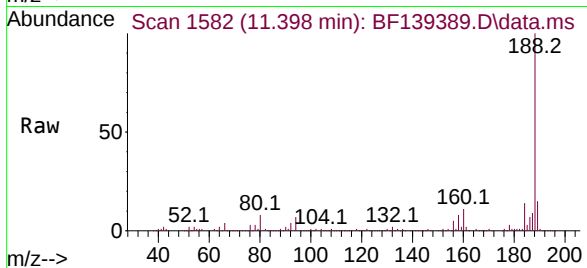
Tgt Ion:188 Resp: 141454

Ion Ratio Lower Upper

188 100

94 7.4 5.5 8.3

80 8.1 6.6 9.8



#67

4-Bromophenyl-phenylether

Concen: 3.770 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF139389.D

Acq: 16 Sep 2024 20:16

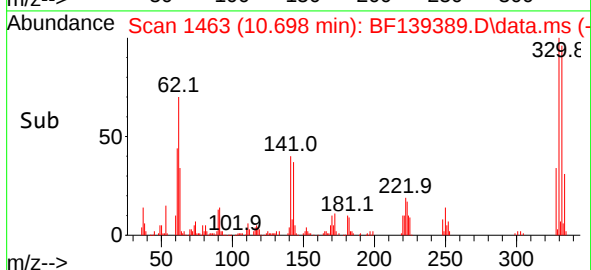
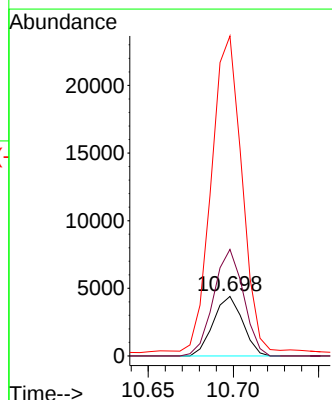
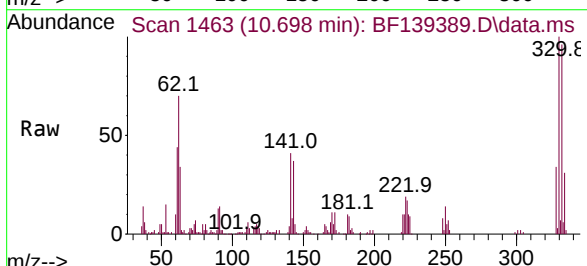
Tgt Ion:248 Resp: 5285

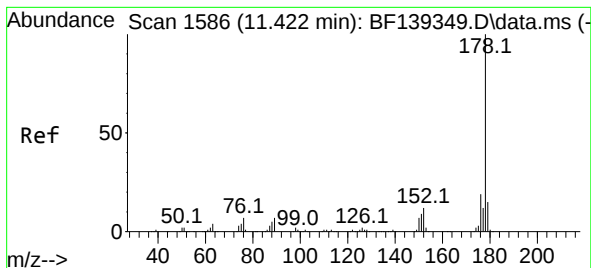
Ion Ratio Lower Upper

248 100

250 179.1 77.6 116.4#

141 537.5 66.9 100.3#





#71

Phenanthrene

Concen: 59.535 ng

RT: 11.421 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139389.D

Acq: 16 Sep 2024 20:16

Instrument :

BNA_F

ClientSampleId :

RW-2

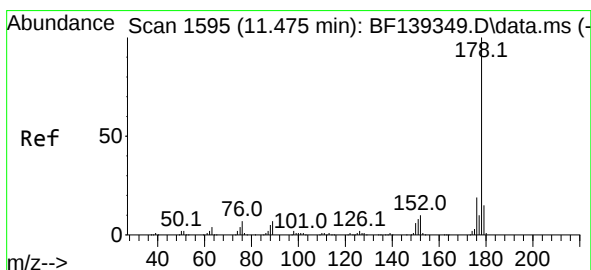
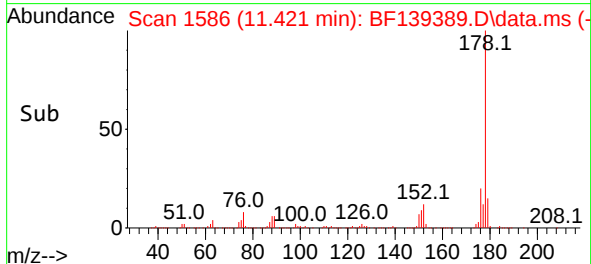
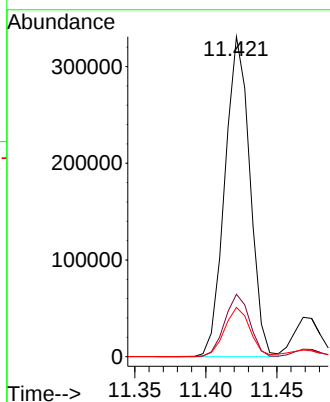
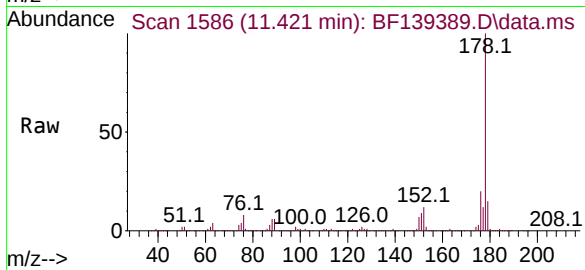
Tgt Ion:178 Resp: 406299

Ion Ratio Lower Upper

178 100

176 19.5 15.2 22.8

179 15.4 12.2 18.4



#72

Anthracene

Concen: 7.878 ng

RT: 11.469 min Scan# 1594

Delta R.T. -0.006 min

Lab File: BF139389.D

Acq: 16 Sep 2024 20:16

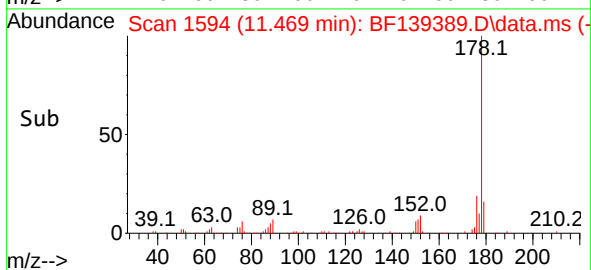
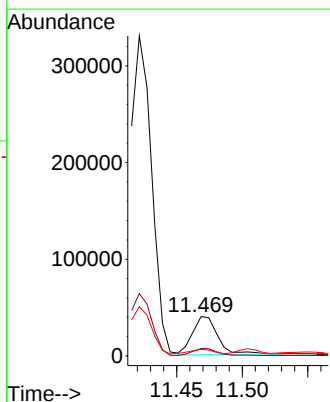
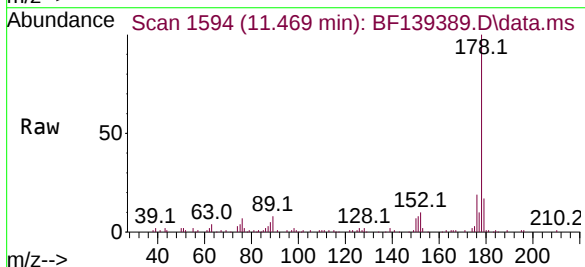
Tgt Ion:178 Resp: 52565

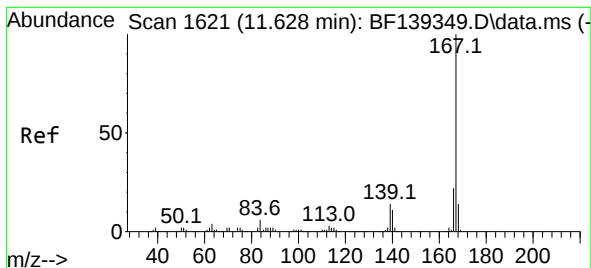
Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.6

179 16.8 12.0 18.0





#73

Carbazole

Concen: 3.688 ng

RT: 11.627 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139389.D

Acq: 16 Sep 2024 20:16

Instrument :

BNA_F

ClientSampleId :

RW-2

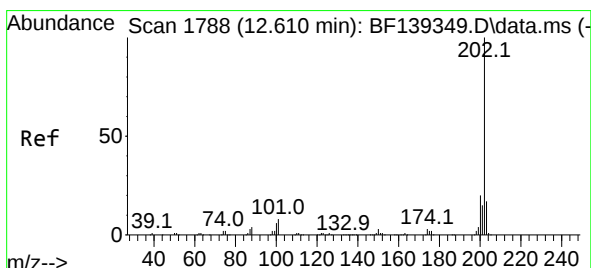
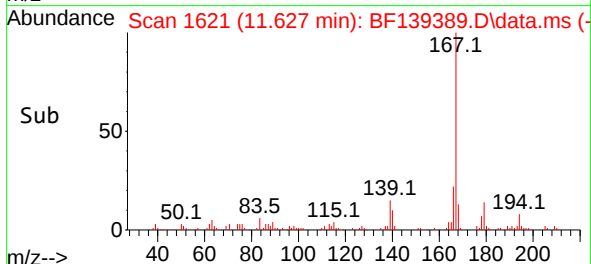
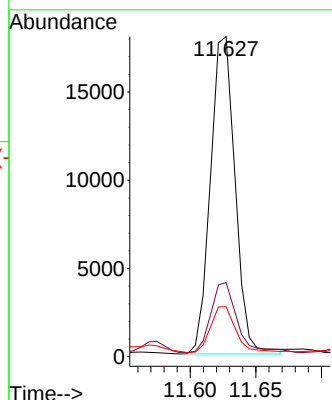
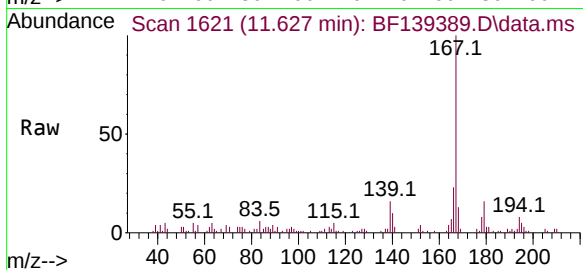
Tgt Ion:167 Resp: 23552

Ion Ratio Lower Upper

167 100

166 23.1 17.5 26.3

139 15.6 10.9 16.3



#75

Fluoranthene

Concen: 73.356 ng

RT: 12.610 min Scan# 1788

Delta R.T. -0.000 min

Lab File: BF139389.D

Acq: 16 Sep 2024 20:16

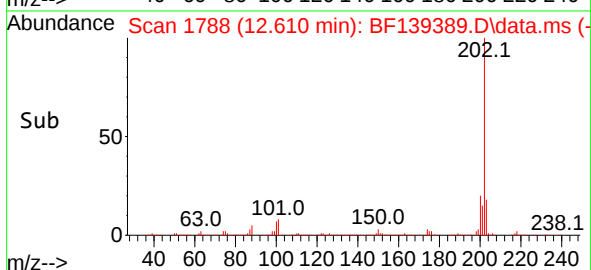
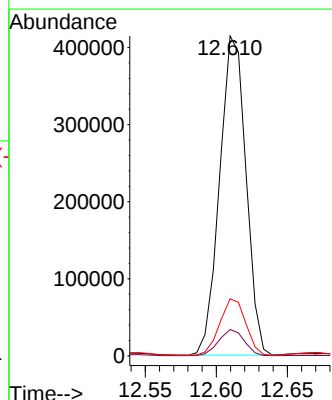
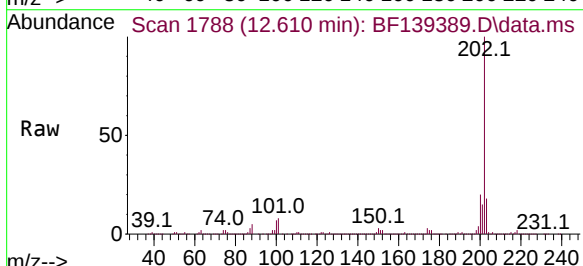
Tgt Ion:202 Resp: 534621

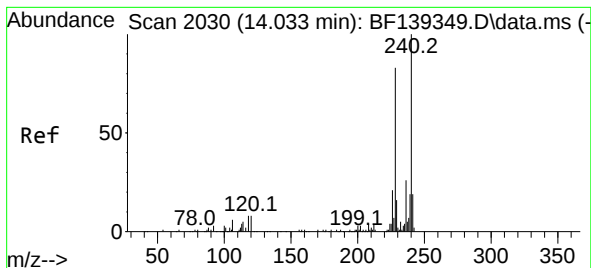
Ion Ratio Lower Upper

202 100

101 8.3 0.0 27.7

203 17.9 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF139389.D

Acq: 16 Sep 2024 20:16

Instrument :

BNA_F

ClientSampleId :

RW-2

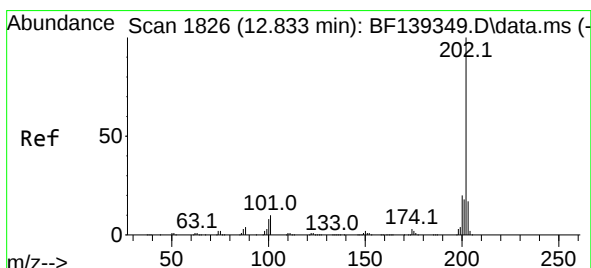
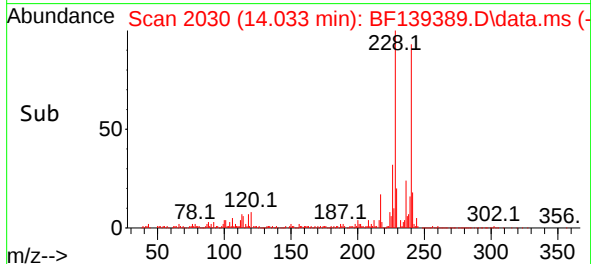
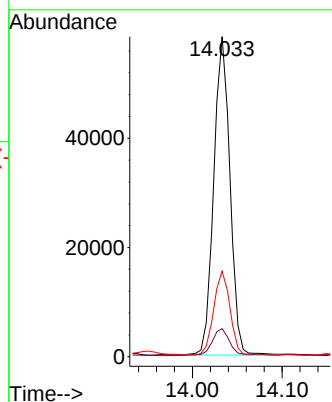
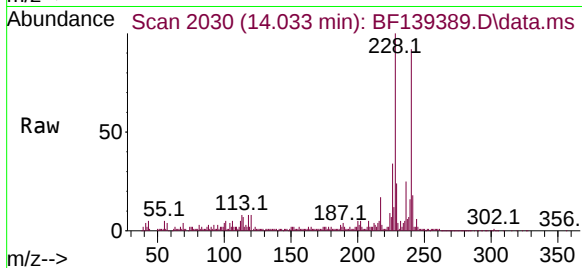
Tgt Ion:240 Resp: 73207

Ion Ratio Lower Upper

240 100

120 8.8 6.2 9.2

236 26.7 20.9 31.3



#78

Pyrene

Concen: 77.006 ng

RT: 12.839 min Scan# 1827

Delta R.T. 0.006 min

Lab File: BF139389.D

Acq: 16 Sep 2024 20:16

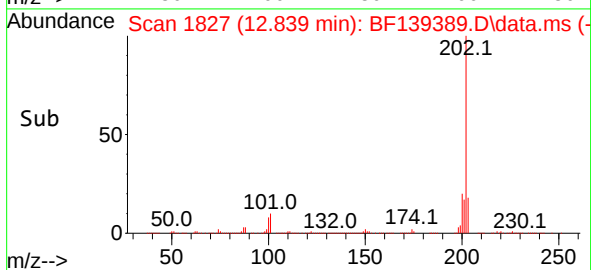
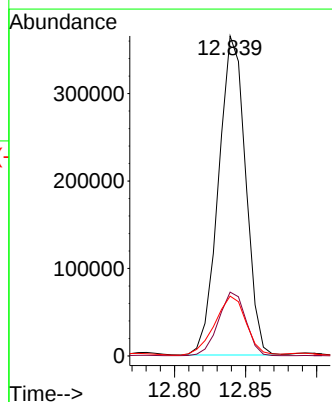
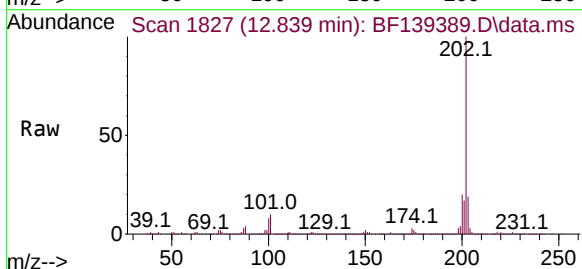
Tgt Ion:202 Resp: 484044

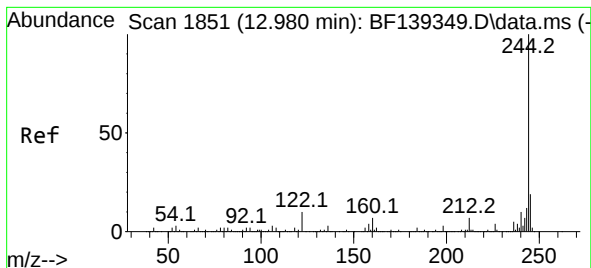
Ion Ratio Lower Upper

202 100

200 20.0 16.2 24.2

203 18.7 13.9 20.9





#79

Terphenyl-d14

Concen: 63.033 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139389.D

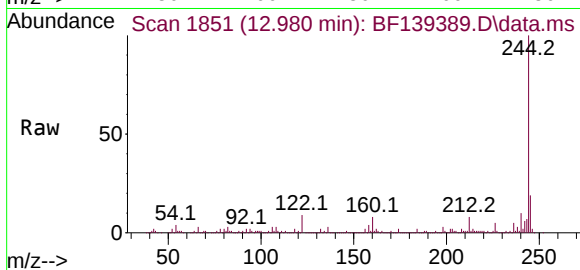
Acq: 16 Sep 2024 20:16

Instrument :

BNA_F

ClientSampleId :

RW-2



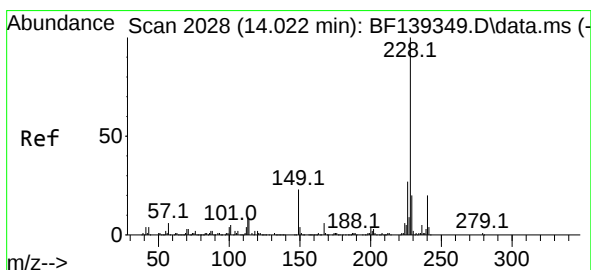
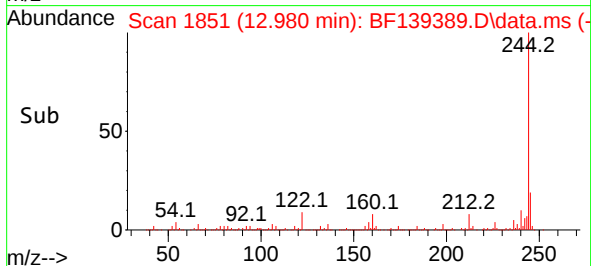
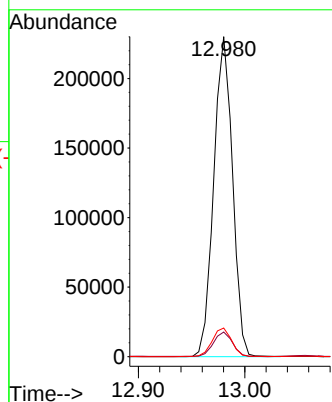
Tgt Ion:244 Resp: 281131

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

122 9.0 7.6 11.4



#81

Benzo(a)anthracene

Concen: 32.110 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139389.D

Acq: 16 Sep 2024 20:16

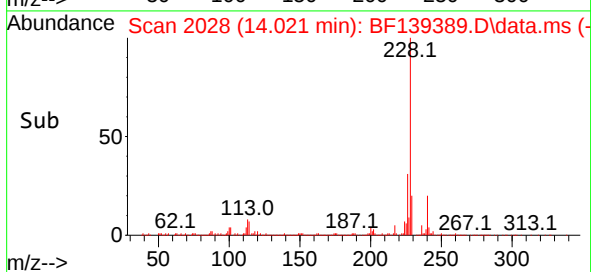
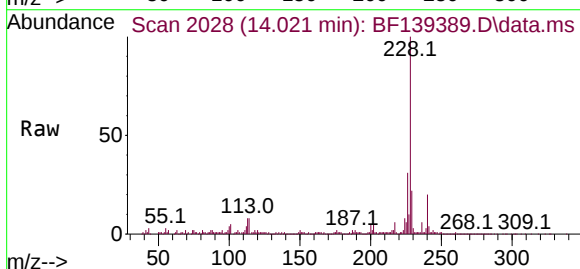
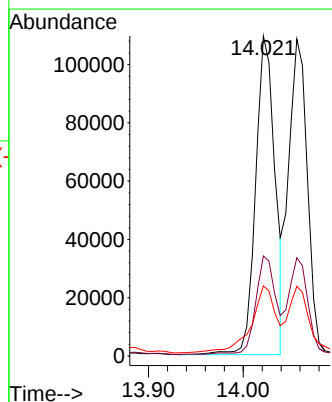
Tgt Ion:228 Resp: 155708

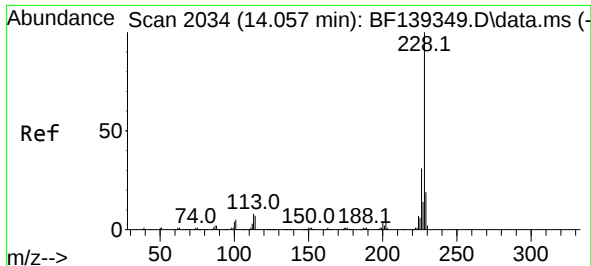
Ion Ratio Lower Upper

228 100

226 31.3 21.6 32.4

229 21.9 15.7 23.5

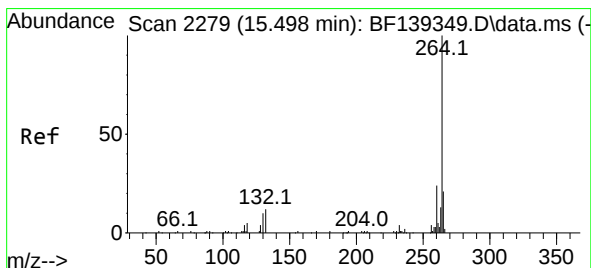
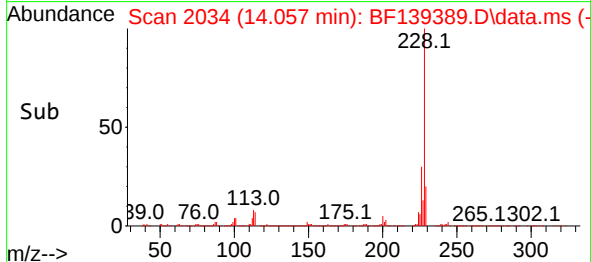
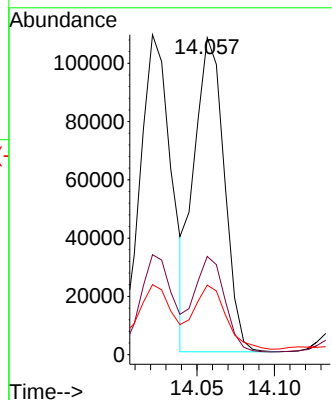
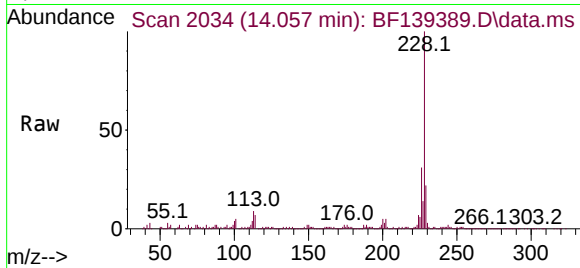




#83
Chrysene
Concen: 32.735 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139389.D
Acq: 16 Sep 2024 20:16

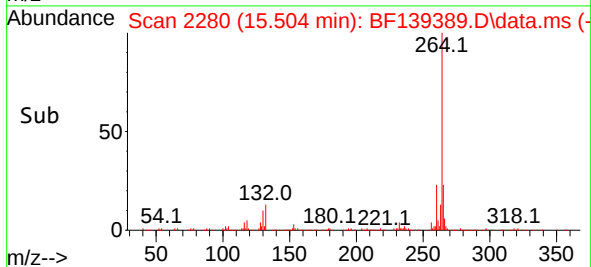
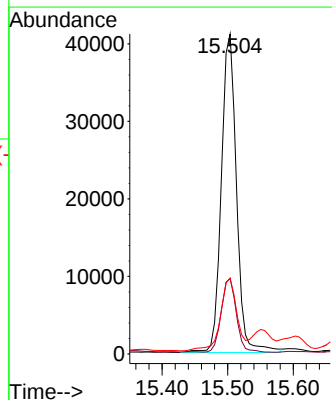
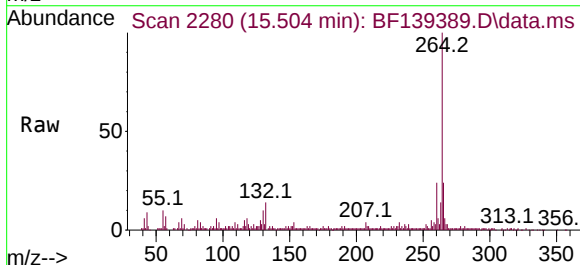
Instrument :
BNA_F
ClientSampleId :
RW-2

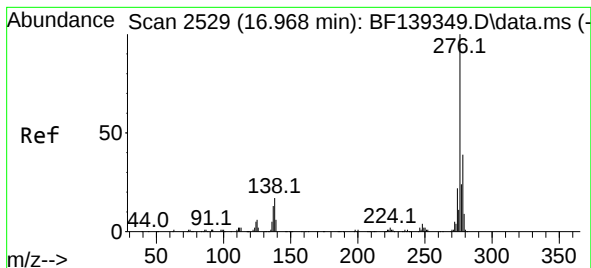
Tgt Ion:228 Resp: 146040
Ion Ratio Lower Upper
228 100
226 31.0 24.1 36.1
229 22.0 15.4 23.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF139389.D
Acq: 16 Sep 2024 20:16

Tgt Ion:264 Resp: 65831
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 23.7 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.720 ng

RT: 16.968 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139389.D

Acq: 16 Sep 2024 20:16

Instrument :

BNA_F

ClientSampleId :

RW-2

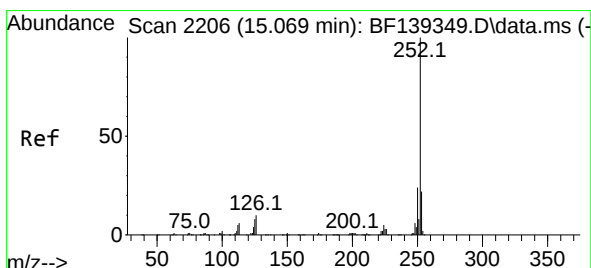
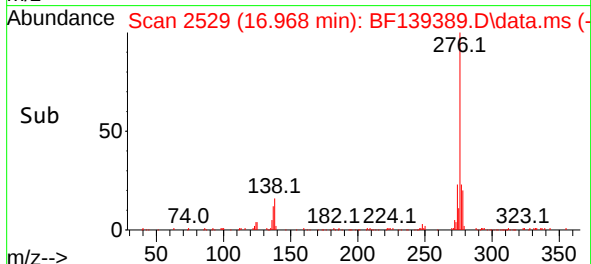
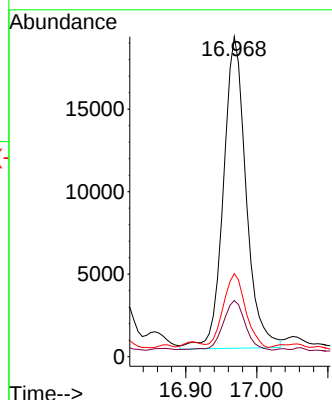
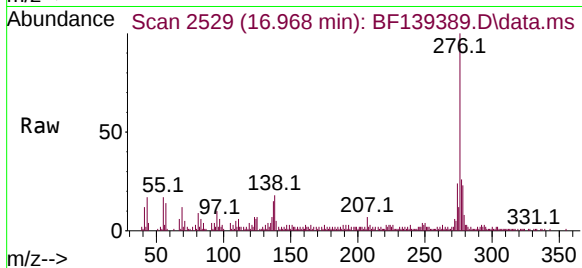
Tgt Ion:276 Resp: 41965

Ion Ratio Lower Upper

276 100

138 15.9 15.4 23.2

277 23.7 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 40.907 ng

RT: 15.074 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF139389.D

Acq: 16 Sep 2024 20:16

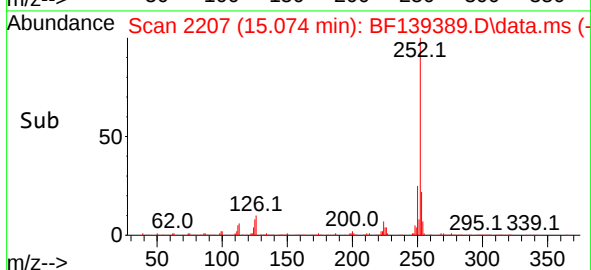
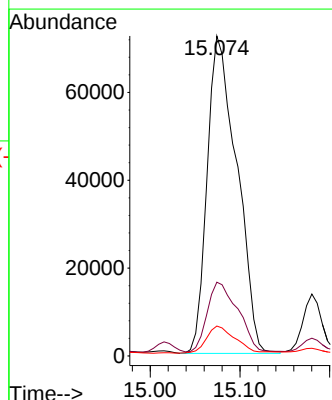
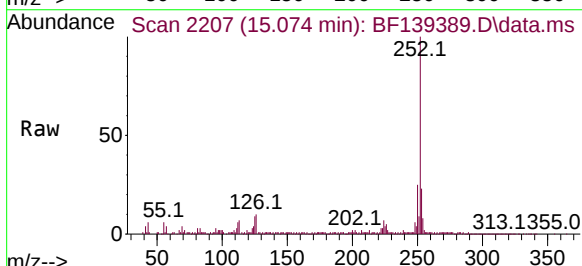
Tgt Ion:252 Resp: 166084

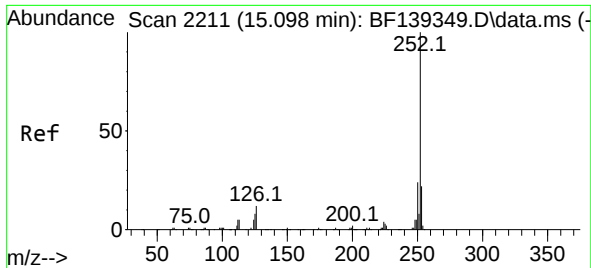
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 9.3 6.2 9.2#

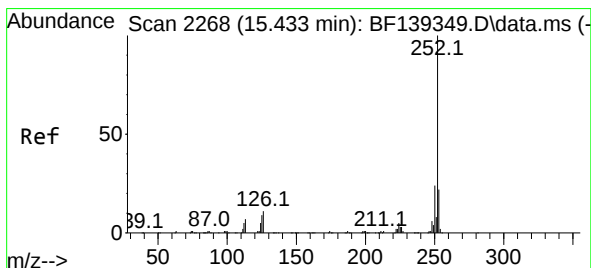
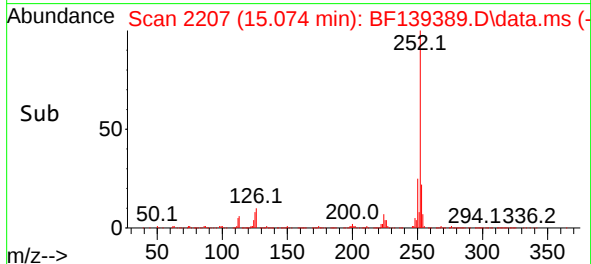
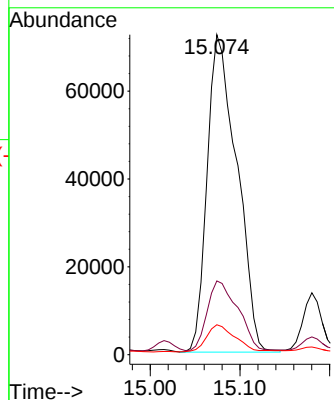
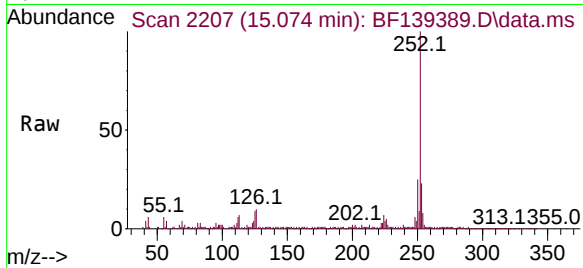




#89
Benzo(k)fluoranthene
Concen: 44.366 ng
RT: 15.074 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF139389.D
Acq: 16 Sep 2024 20:16

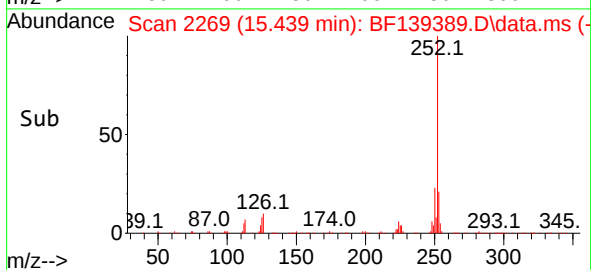
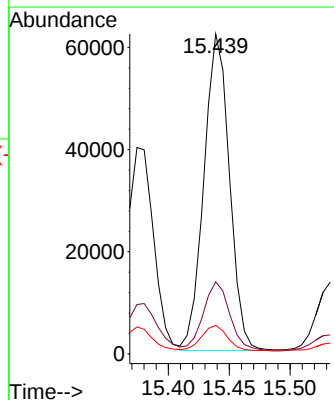
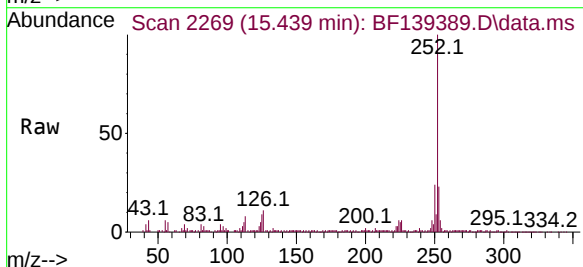
Instrument :
BNA_F
ClientSampleId :
RW-2

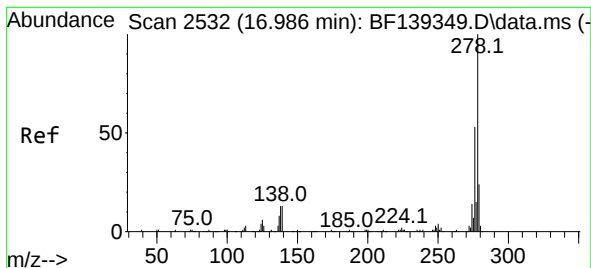
Tgt Ion:252 Resp: 166084
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 9.3 5.9 8.9#



#90
Benzo(a)pyrene
Concen: 26.876 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.006 min
Lab File: BF139389.D
Acq: 16 Sep 2024 20:16

Tgt Ion:252 Resp: 90496
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 9.0 6.8 10.2





#91

Dibenzo(a,h)anthracene

Concen: 3.571 ng

RT: 16.980 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139389.D

Acq: 16 Sep 2024 20:16

Instrument :

BNA_F

ClientSampleId :

RW-2

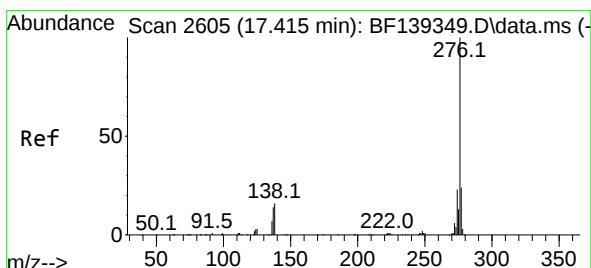
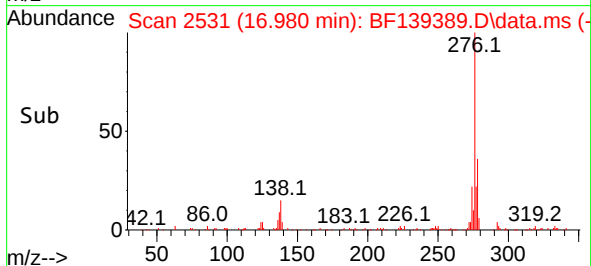
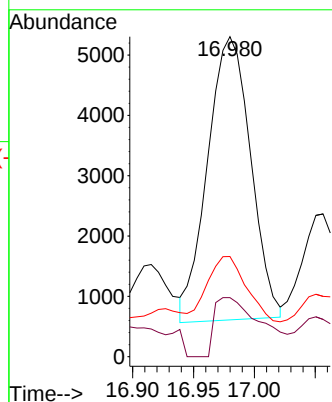
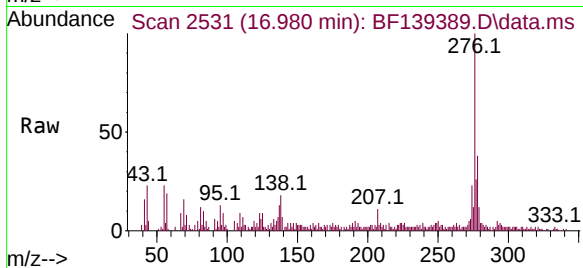
Tgt Ion:278 Resp: 11551

Ion Ratio Lower Upper

278 100

139 18.4 10.2 15.2#

279 31.3 18.9 28.3#



#92

Benzo(g,h,i)perylene

Concen: 12.986 ng

RT: 17.415 min Scan# 2605

Delta R.T. -0.000 min

Lab File: BF139389.D

Acq: 16 Sep 2024 20:16

Tgt Ion:276 Resp: 41590

Ion Ratio Lower Upper

276 100

277 25.7 18.9 28.3

138 17.0 13.0 19.6

