

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
 Data File : BF139383.D
 Acq On : 16 Sep 2024 17:27
 Operator : RC/JU
 Sample : P3947-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RW-1

Quant Time: Sep 16 17:48:29 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)

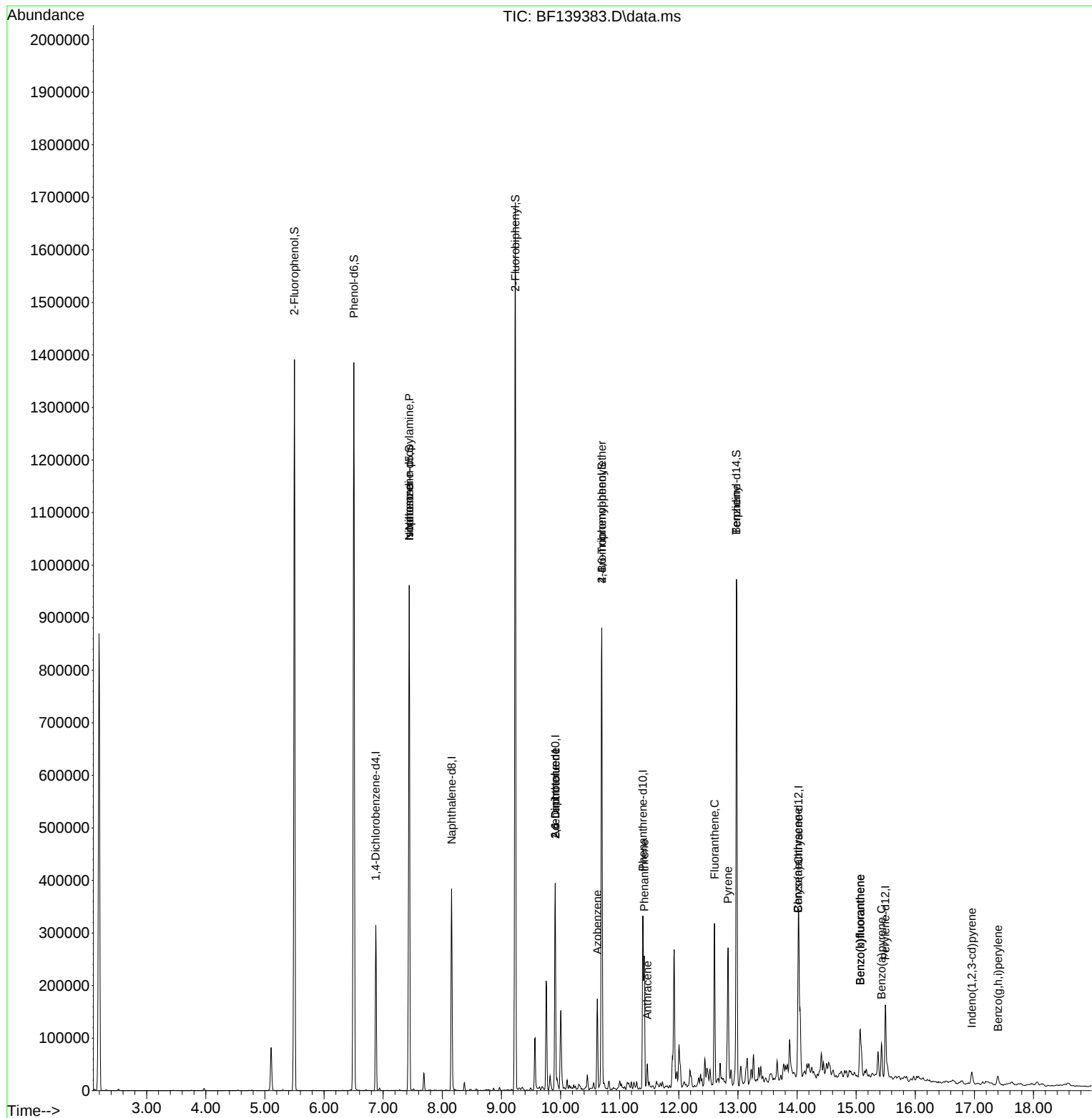
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	58357	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	210995	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	108172	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	159684	20.000	ng	0.00
76) Chrysene-d12	14.027	240	99857	20.000	ng	0.00
86) Perylene-d12	15.492	264	77157	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	458941	128.295	ng	0.00
7) Phenol-d6	6.504	99	598632	127.495	ng	0.00
23) Nitrobenzene-d5	7.440	82	407966	90.898	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	126423	109.778	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	686339	88.988	ng	0.00
79) Terphenyl-d14	12.975	244	446673	73.421	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	59300	21.312	ng	# 74
25) Isophorone	7.440	82	406680	57.294	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	13979	8.888	ng	# 14
57) 2,4-Dinitrotoluene	9.910	165	13979	6.583	ng	# 16
63) Azobenzene	10.622	77	41830	5.805	ng	# 3
67) 4-Bromophenyl-phenylether	10.698	248	8404	5.311	ng	# 1
71) Phenanthrene	11.416	178	123421	16.020	ng	99
72) Anthracene	11.469	178	26104	3.466	ng	99
75) Fluoranthene	12.604	202	163562	19.880	ng	99
77) Benzidine	12.975	184	7629	5.333	ng	# 95
78) Pyrene	12.833	202	148123	17.276	ng	100
81) Benzo(a)anthracene	14.016	228	75242	11.375	ng	94
83) Chrysene	14.016	228	75242	12.364	ng	97
87) Indeno(1,2,3-cd)pyrene	16.957	276	16890	3.681	ng	94
88) Benzo(b)fluoranthene	15.069	252	78287	16.452	ng	96
89) Benzo(k)fluoranthene	15.069	252	78287	17.843	ng	# 95
90) Benzo(a)pyrene	15.427	252	37623	9.533	ng	97
92) Benzo(g,h,i)perylene	17.398	276	16911	4.505	ng	# 94

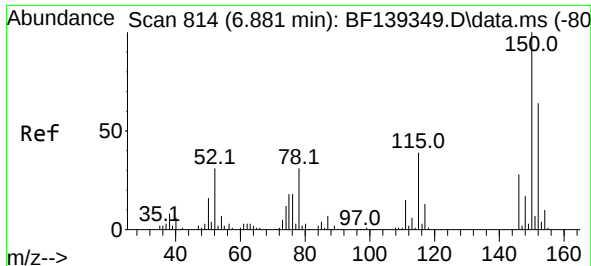
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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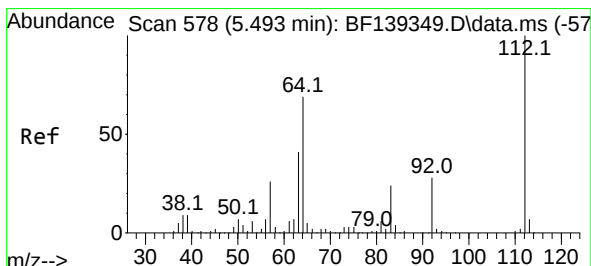
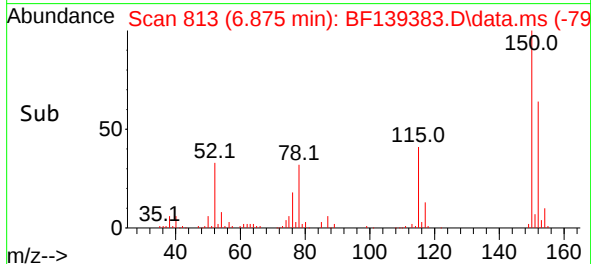
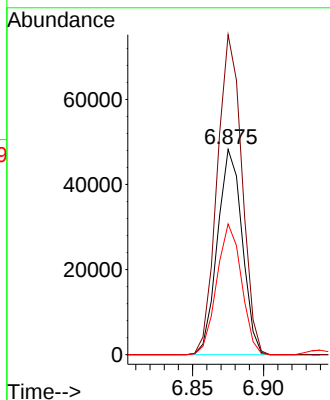
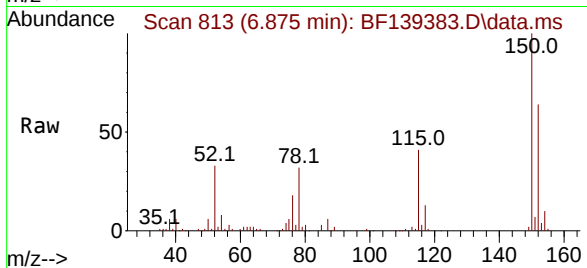




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27

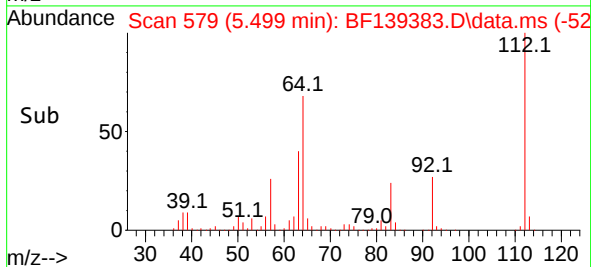
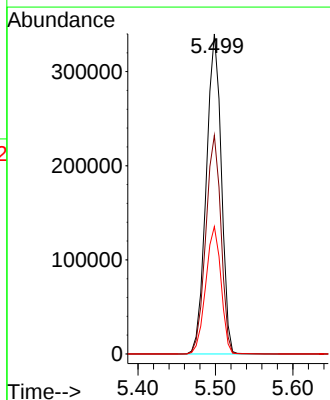
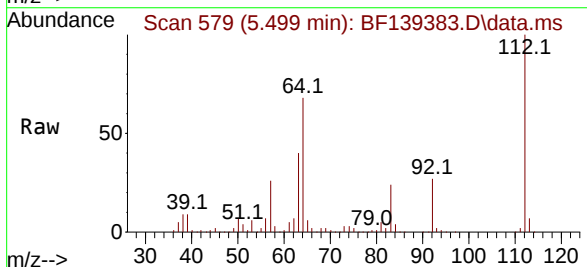
Instrument :
BNA_F
ClientSampleId :
RW-1

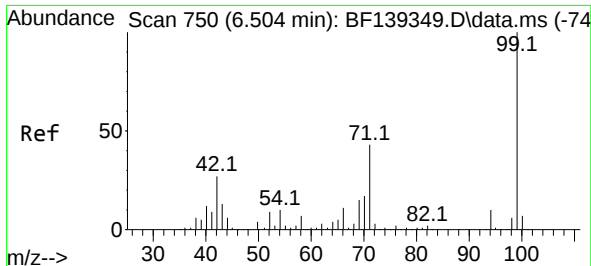
Tgt Ion:152 Resp: 58357
Ion Ratio Lower Upper
152 100
150 155.9 124.1 186.1
115 63.6 48.1 72.1



#5
2-Fluorophenol
Concen: 128.295 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27

Tgt Ion:112 Resp: 458941
Ion Ratio Lower Upper
112 100
64 68.3 54.8 82.2
63 39.8 33.0 49.4

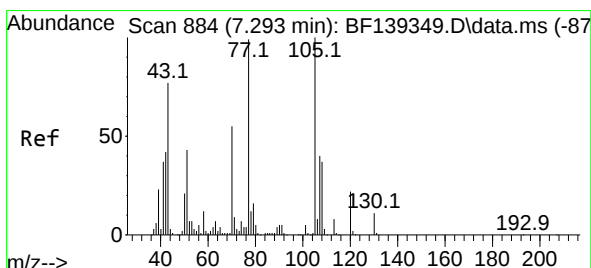
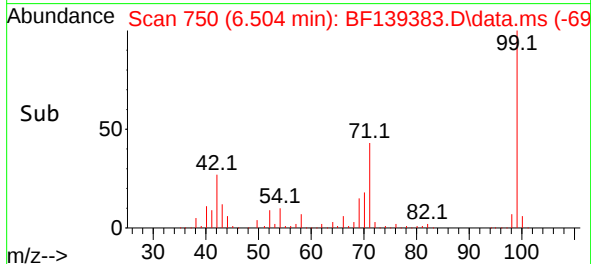
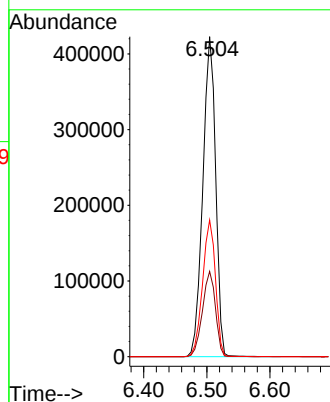
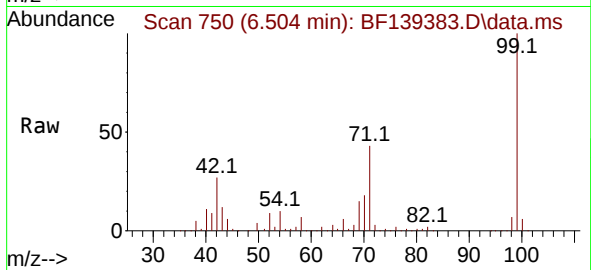




#7
Phenol-d6
Concen: 127.495 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27

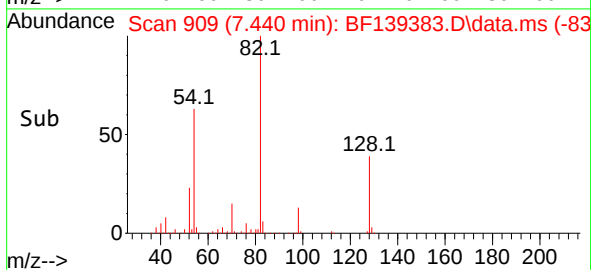
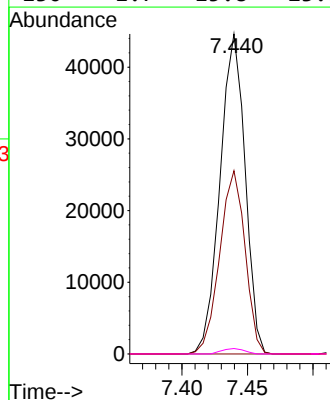
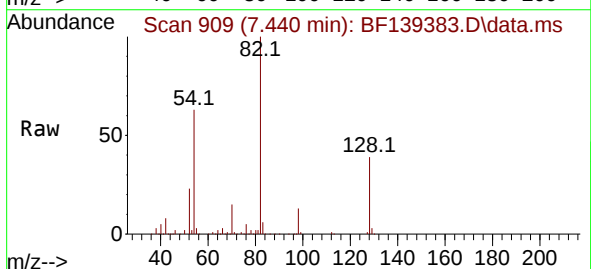
Instrument :
BNA_F
ClientSampleId :
RW-1

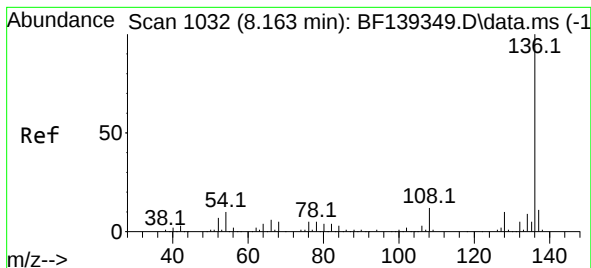
Tgt Ion: 99 Resp: 598632
Ion Ratio Lower Upper
99 100
42 26.6 21.9 32.9
71 42.7 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 21.312 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27

Tgt Ion: 70 Resp: 59300
Ion Ratio Lower Upper
70 100
42 57.3 61.2 91.8#
101 0.0 7.5 11.3#
130 1.7 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: BF139383.D

Acq: 16 Sep 2024 17:27

Instrument :

BNA_F

ClientSampleId :

RW-1

Tgt Ion:136 Resp: 210995

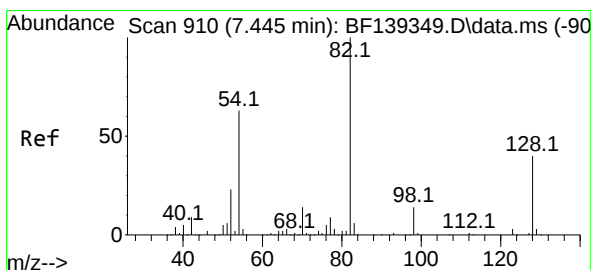
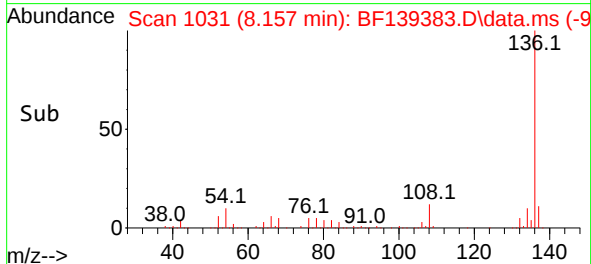
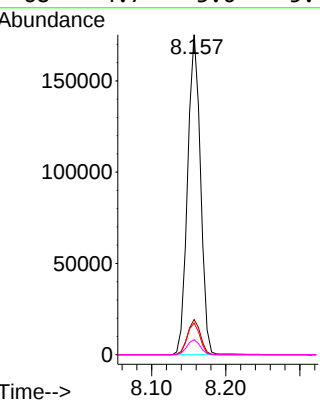
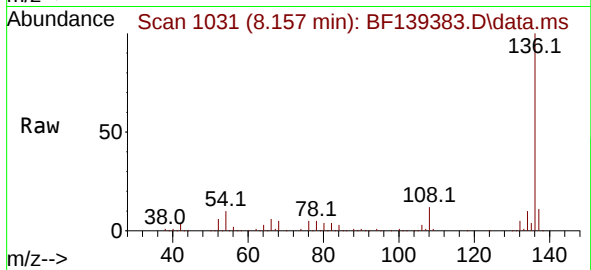
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 9.9 7.8 11.8

68 4.7 3.6 5.4



#23

Nitrobenzene-d5

Concen: 90.898 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

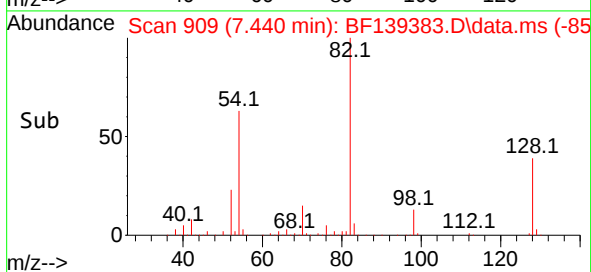
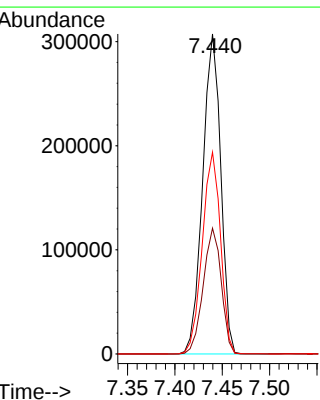
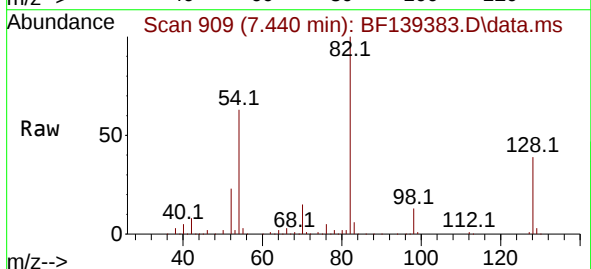
Tgt Ion: 82 Resp: 407966

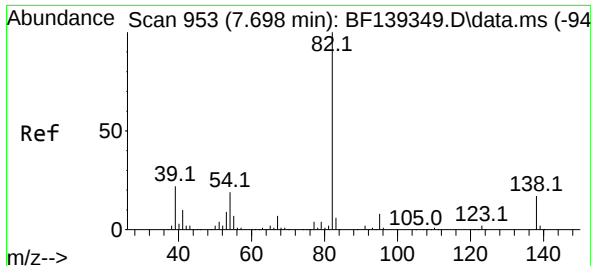
Ion Ratio Lower Upper

82 100

128 39.3 31.8 47.6

54 63.0 50.6 75.8

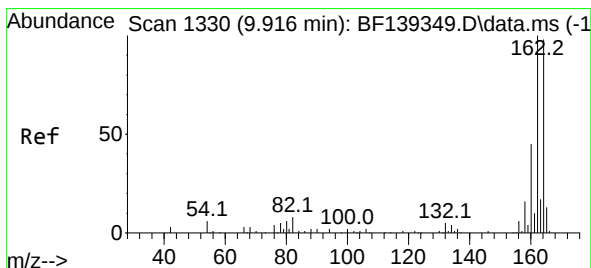
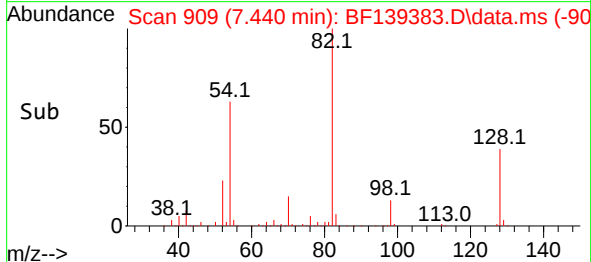
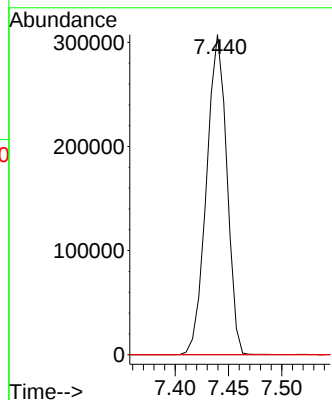
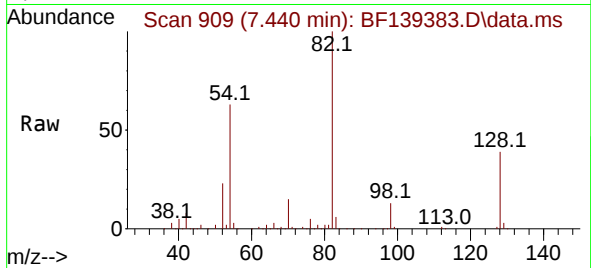




#25
Isophorone
Concen: 57.294 ng
RT: 7.440 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27

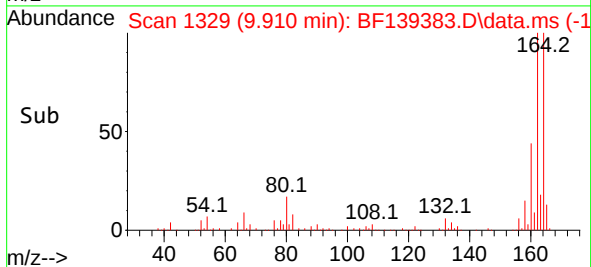
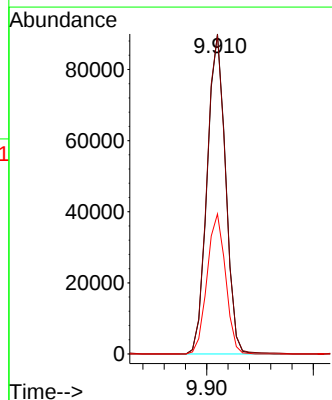
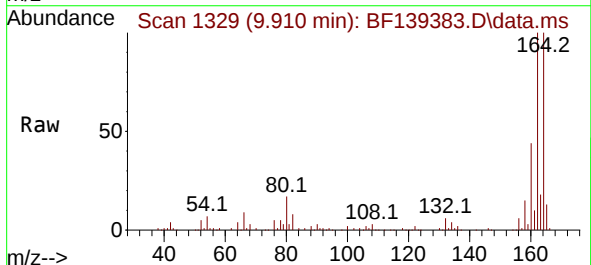
Instrument :
BNA_F
ClientSampleId :
RW-1

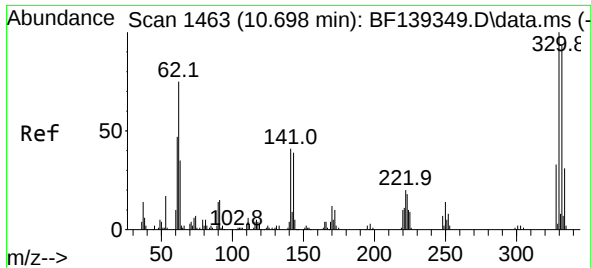
Tgt Ion: 82 Resp: 406680
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27

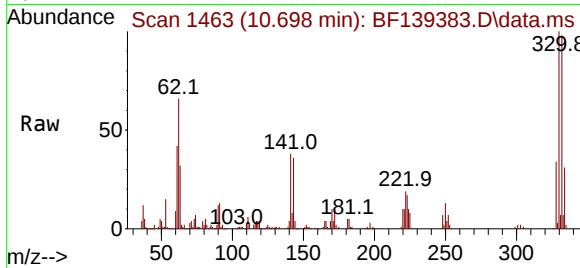
Tgt Ion:164 Resp: 108172
Ion Ratio Lower Upper
164 100
162 99.8 81.3 121.9
160 43.8 36.4 54.6



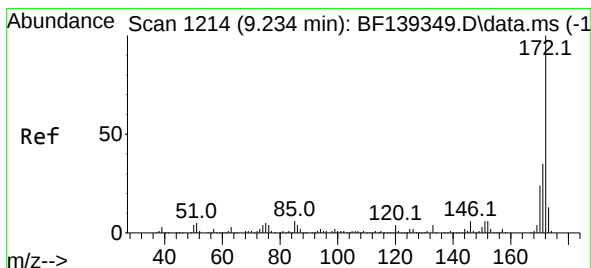
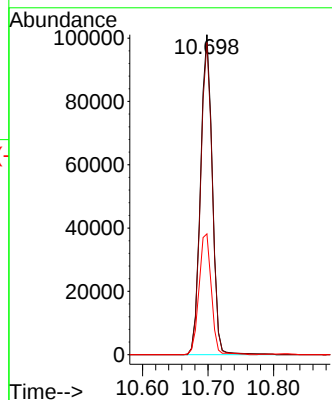
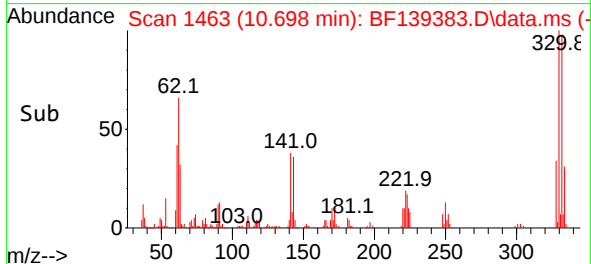


#42
2,4,6-Tribromophenol
Concen: 109.778 ng
RT: 10.698 min Scan# 1463
Delta R.T. 0.000 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27

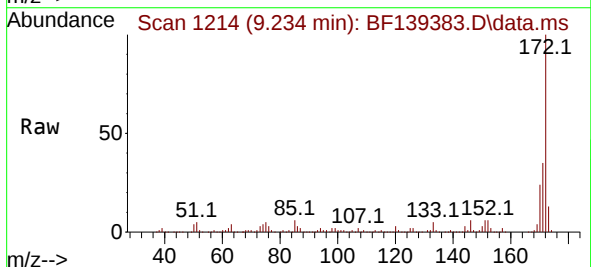
Instrument :
BNA_F
ClientSampleId :
RW-1



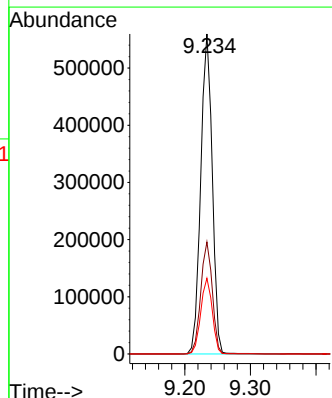
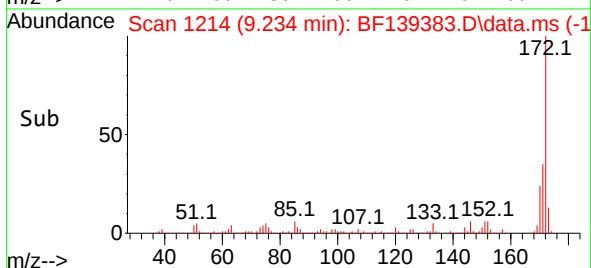
Tgt Ion: 330 Resp: 126423
Ion Ratio Lower Upper
330 100
332 97.2 75.2 112.8
141 39.6 31.2 46.8

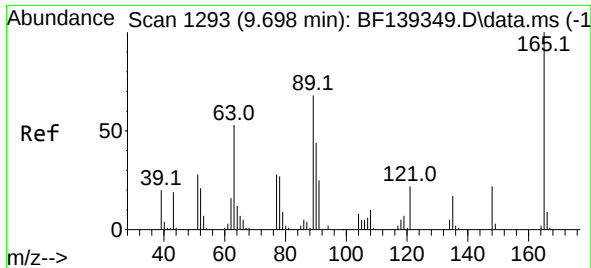


#45
2-Fluorobiphenyl
Concen: 88.988 ng
RT: 9.234 min Scan# 1214
Delta R.T. 0.000 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27



Tgt Ion: 172 Resp: 686339
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.6 19.0 28.6

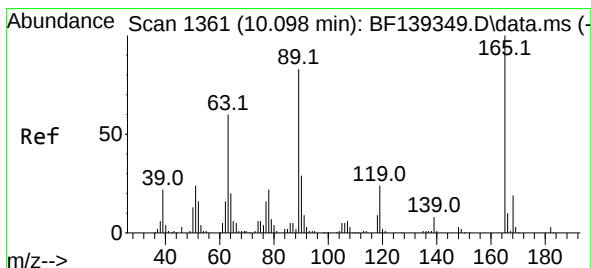
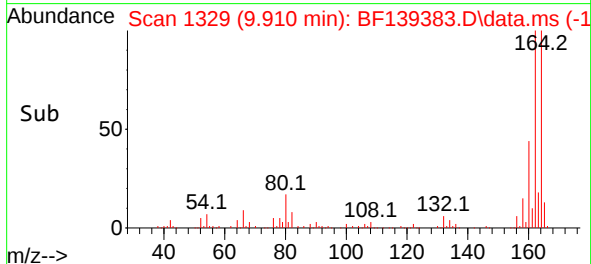
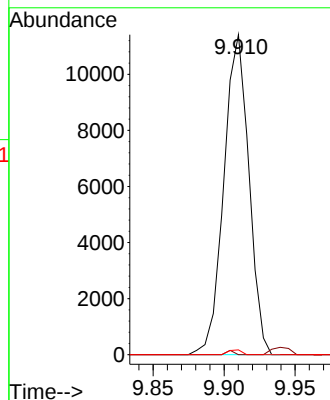
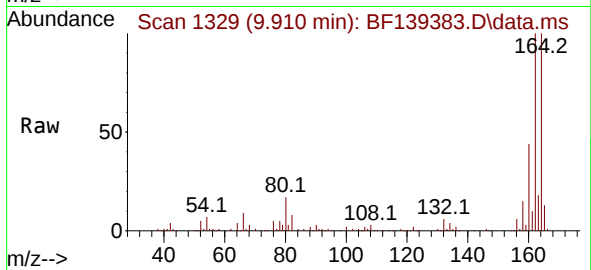




#51
2,6-Dinitrotoluene
Concen: 8.888 ng
RT: 9.910 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27

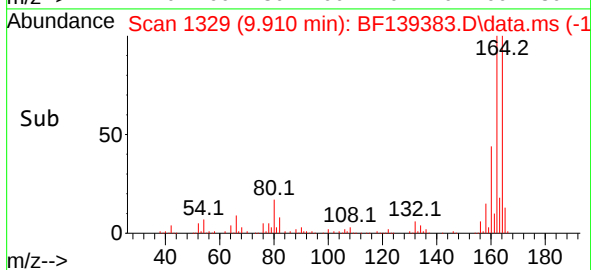
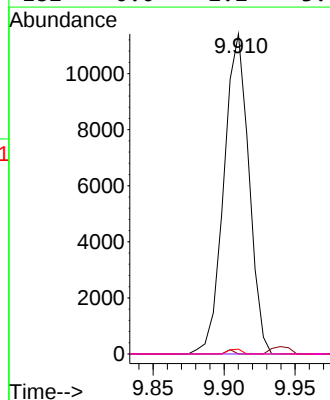
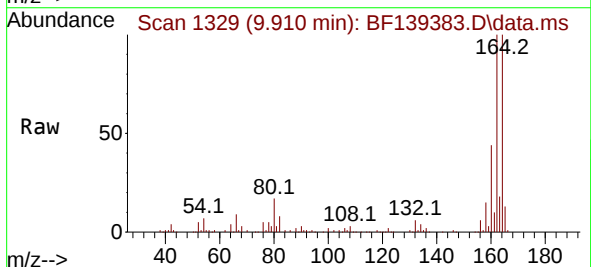
Instrument :
BNA_F
ClientSampleId :
RW-1

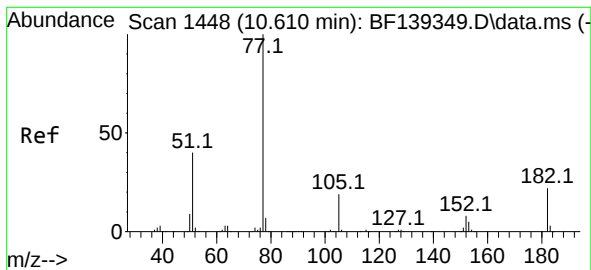
Tgt Ion:165 Resp: 13979
Ion Ratio Lower Upper
165 100
63 0.0 60.9 91.3#
89 1.5 54.7 82.1#



#57
2,4-Dinitrotoluene
Concen: 6.583 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27

Tgt Ion:165 Resp: 13979
Ion Ratio Lower Upper
165 100
63 0.0 47.8 71.6#
89 1.5 66.7 100.1#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 5.805 ng

RT: 10.622 min Scan# 1448

Delta R.T. 0.012 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

Instrument :

BNA_F

ClientSampleId :

RW-1

Tgt Ion: 77 Resp: 41830

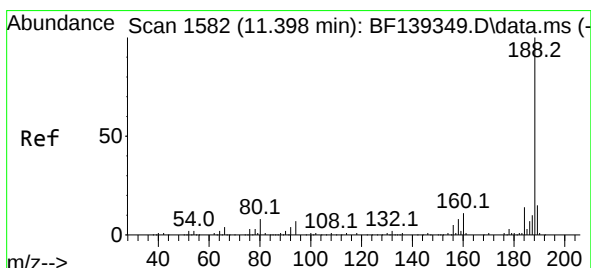
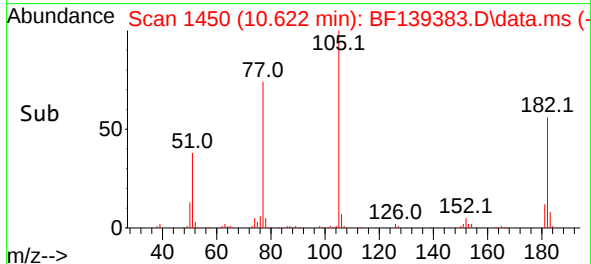
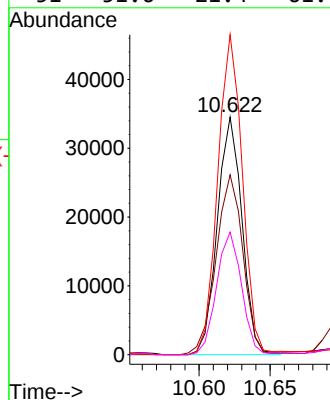
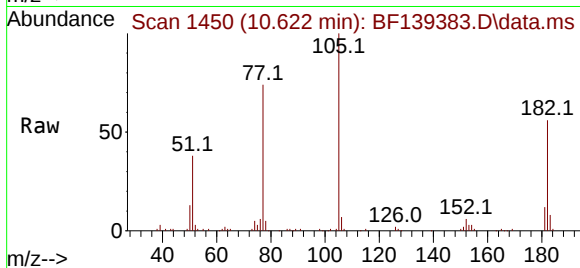
Ion Ratio Lower Upper

77 100

182 75.7 1.8 41.8#

105 134.7 0.0 38.6#

51 51.6 21.4 61.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

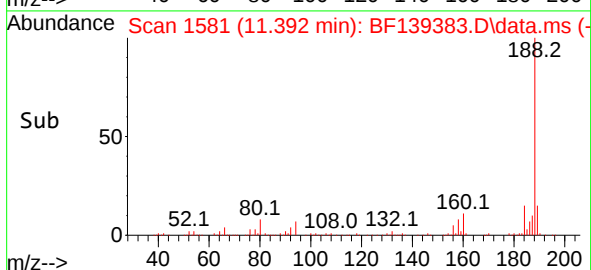
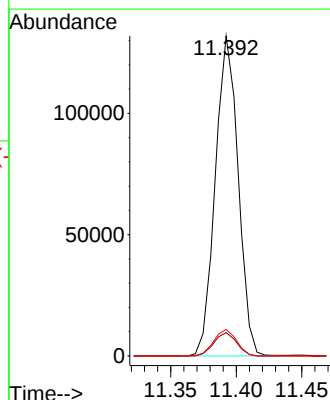
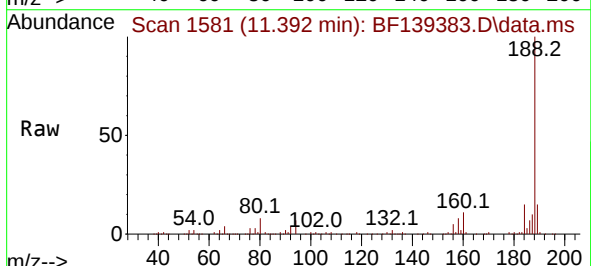
Tgt Ion: 188 Resp: 159684

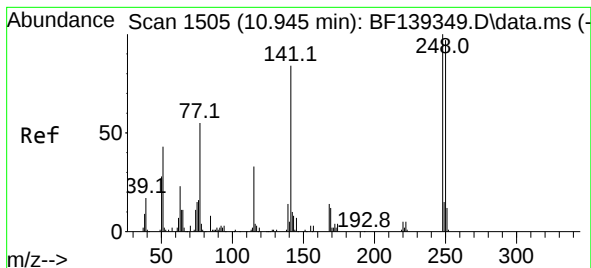
Ion Ratio Lower Upper

188 100

94 7.3 5.5 8.3

80 8.3 6.6 9.8

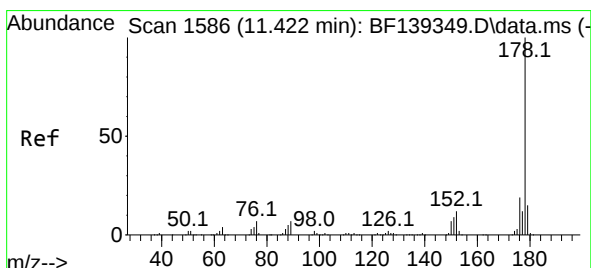
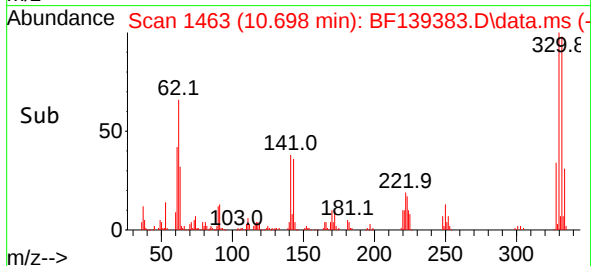
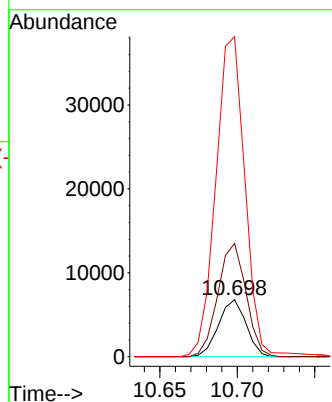
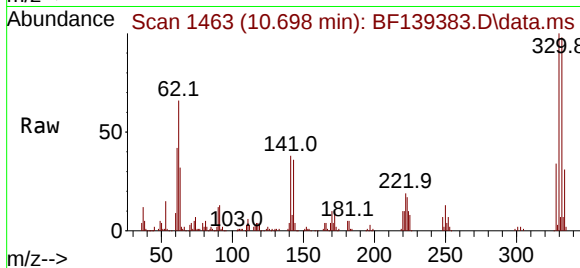




#67
4-Bromophenyl-phenylether
Concen: 5.311 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27

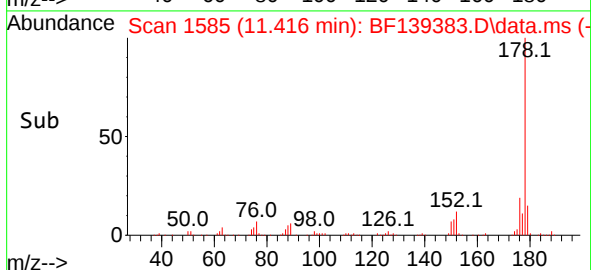
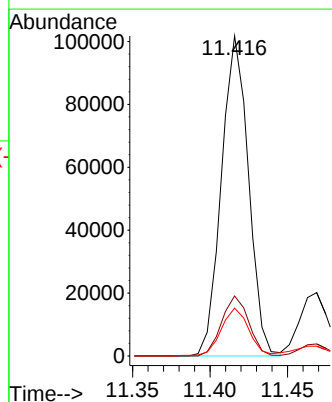
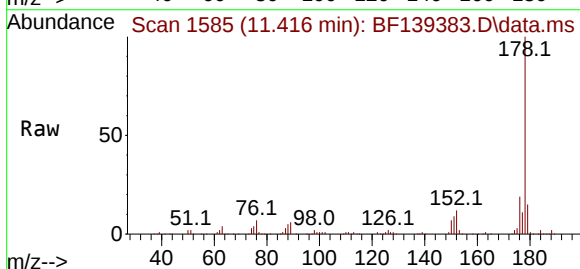
Instrument :
BNA_F
ClientSampleId :
RW-1

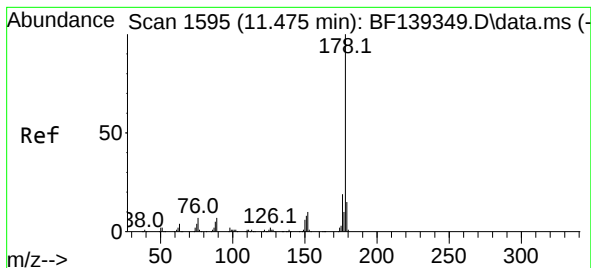
Tgt Ion:248 Resp: 8404
Ion Ratio Lower Upper
248 100
250 199.0 77.6 116.4#
141 561.9 66.9 100.3#



#71
Phenanthrene
Concen: 16.020 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27

Tgt Ion:178 Resp: 123421
Ion Ratio Lower Upper
178 100
176 18.7 15.2 22.8
179 15.0 12.2 18.4





#72

Anthracene

Concen: 3.466 ng

RT: 11.469 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

Instrument :

BNA_F

ClientSampleId :

RW-1

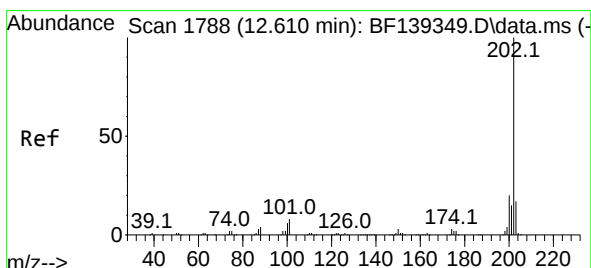
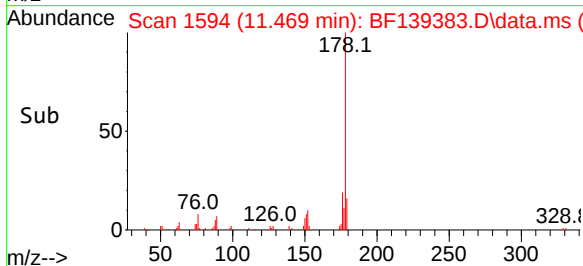
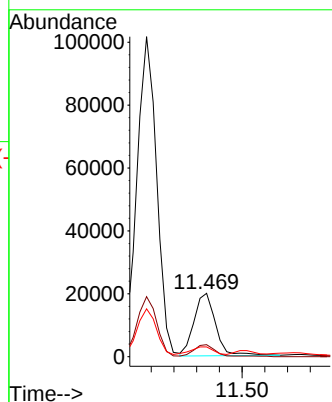
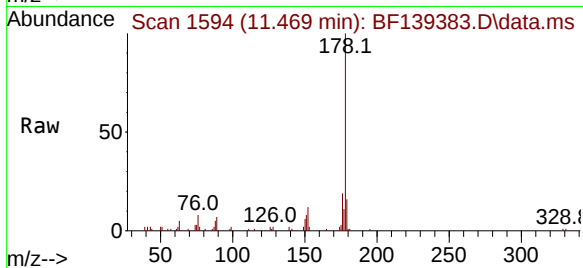
Tgt Ion:178 Resp: 26104

Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.6

179 15.5 12.0 18.0



#75

Fluoranthene

Concen: 19.880 ng

RT: 12.604 min Scan# 1787

Delta R.T. -0.006 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

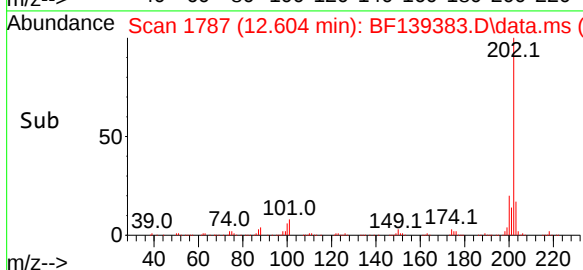
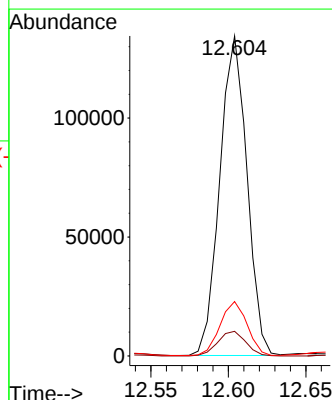
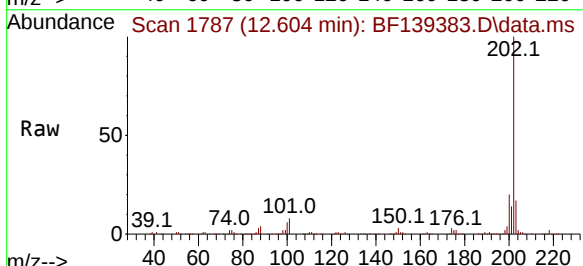
Tgt Ion:202 Resp: 163562

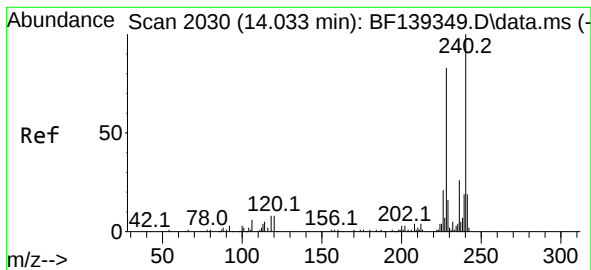
Ion Ratio Lower Upper

202 100

101 7.7 0.0 27.7

203 17.0 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

Instrument :

BNA_F

ClientSampleId :

RW-1

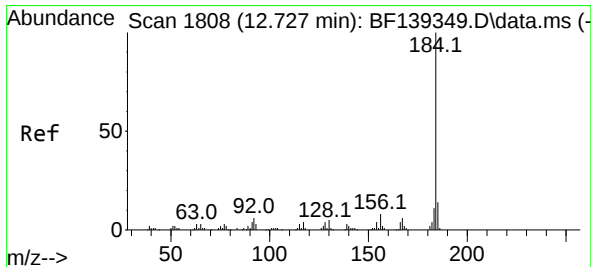
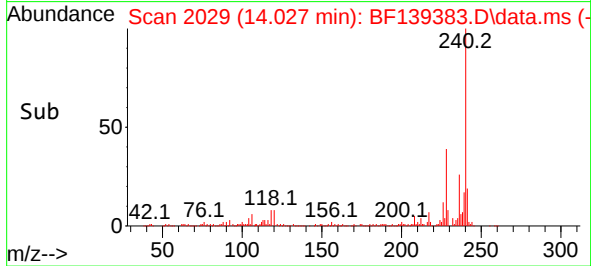
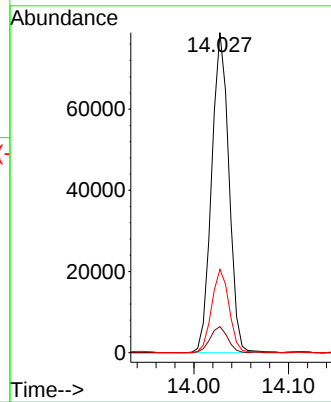
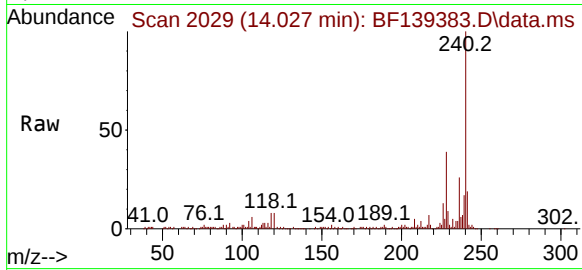
Tgt Ion:240 Resp: 99857

Ion Ratio Lower Upper

240 100

120 8.1 6.2 9.2

236 26.1 20.9 31.3



#77

Benzidine

Concen: 5.333 ng

RT: 12.975 min Scan# 1850

Delta R.T. 0.247 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

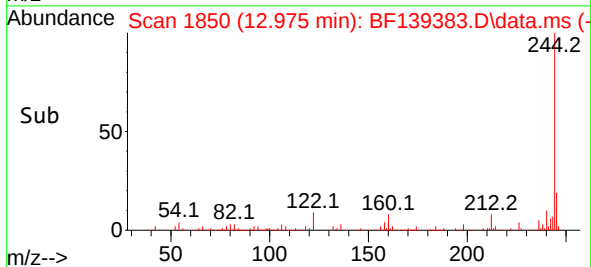
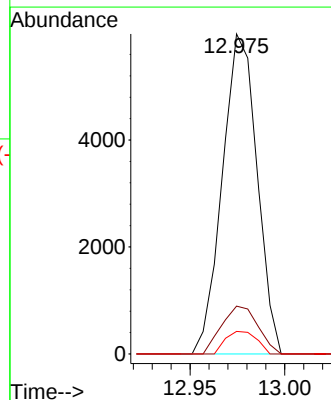
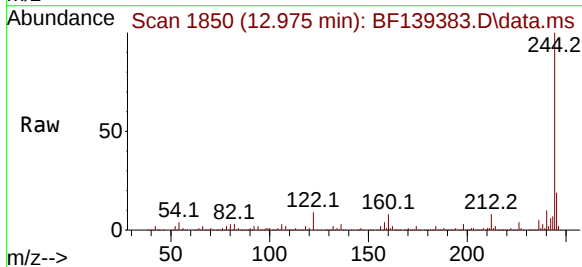
Tgt Ion:184 Resp: 7629

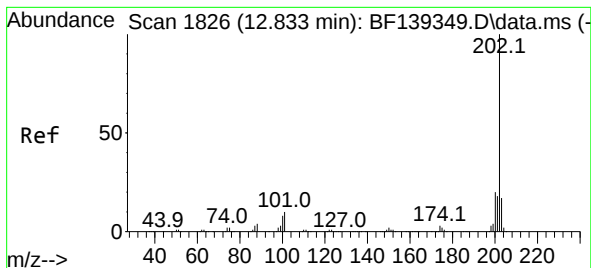
Ion Ratio Lower Upper

184 100

185 14.9 11.5 17.3

183 7.1 8.9 13.3#





#78

Pyrene

Concen: 17.276 ng

RT: 12.833 min Scan# 1826

Delta R.T. 0.000 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

Instrument :

BNA_F

ClientSampleId :

RW-1

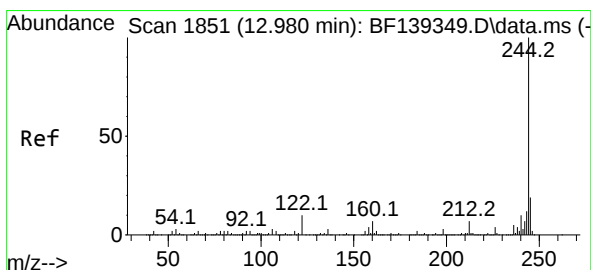
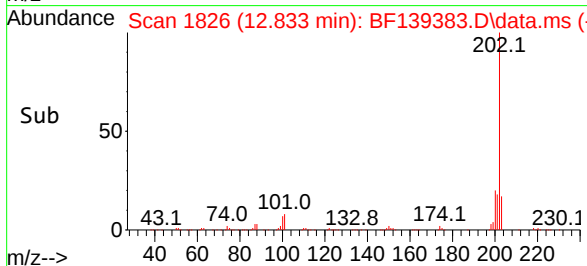
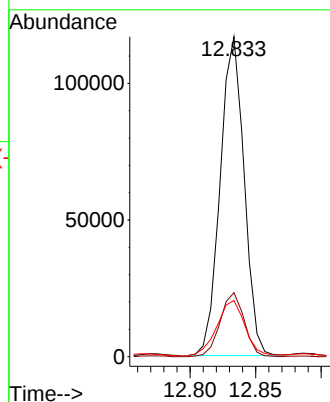
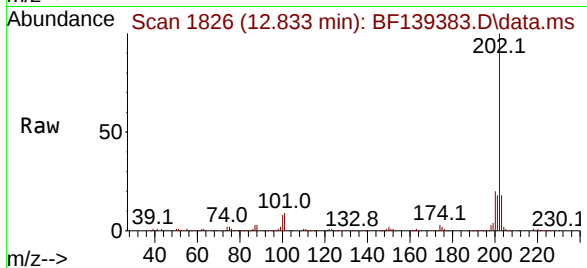
Tgt Ion:202 Resp: 148123

Ion Ratio Lower Upper

202 100

200 20.0 16.2 24.2

203 17.6 13.9 20.9



#79

Terphenyl-d14

Concen: 73.421 ng

RT: 12.975 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

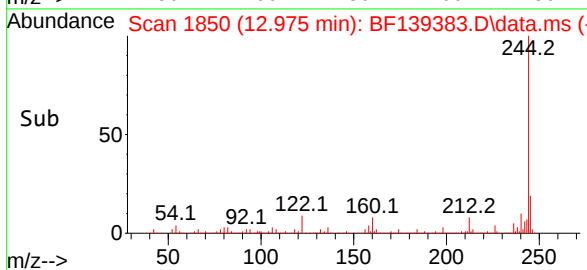
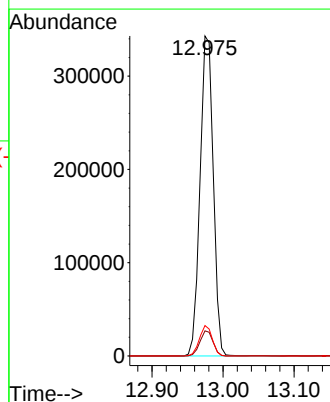
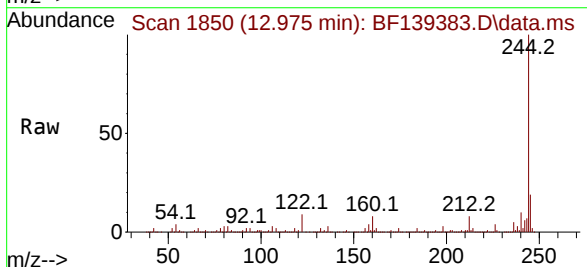
Tgt Ion:244 Resp: 446673

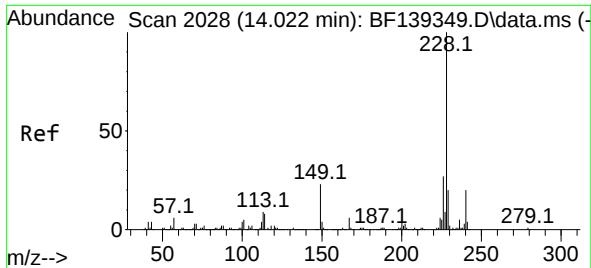
Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

122 9.5 7.6 11.4

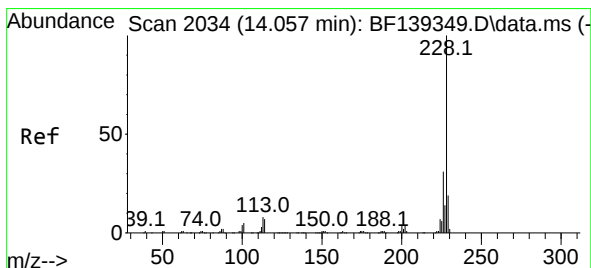
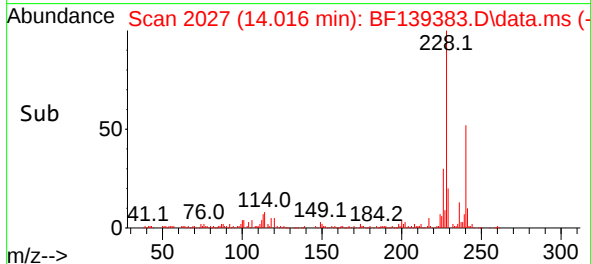
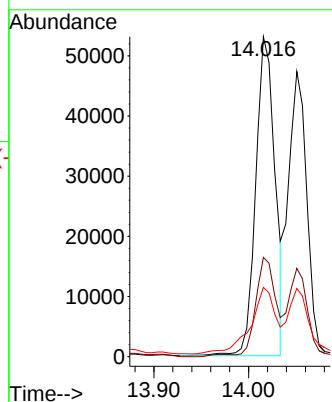
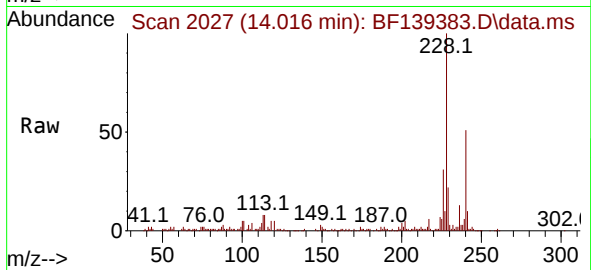




#81
Benzo(a)anthracene
Concen: 11.375 ng
RT: 14.016 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27

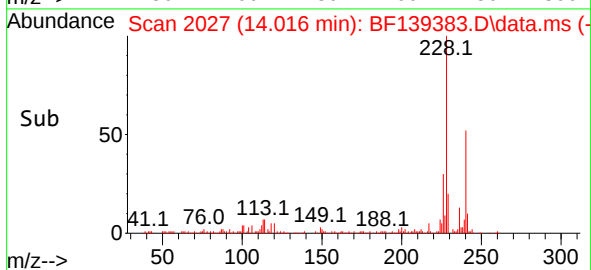
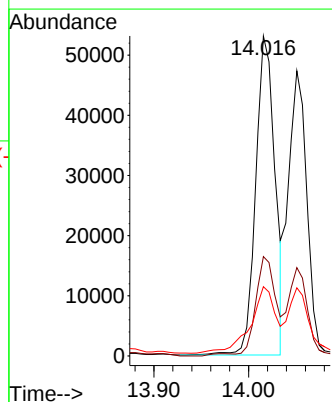
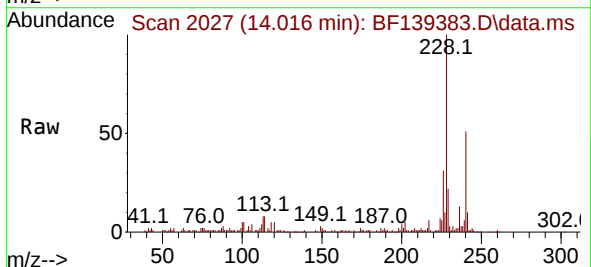
Instrument :
BNA_F
ClientSampleId :
RW-1

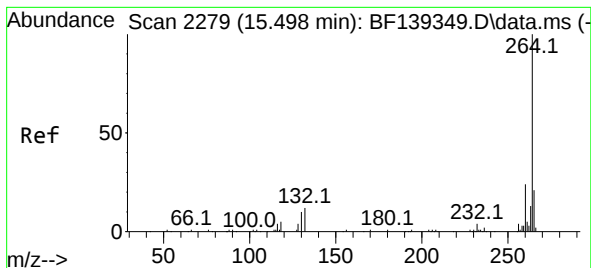
Tgt Ion:228 Resp: 75242
Ion Ratio Lower Upper
228 100
226 31.1 21.6 32.4
229 21.6 15.7 23.5



#83
Chrysene
Concen: 12.364 ng
RT: 14.016 min Scan# 2027
Delta R.T. -0.041 min
Lab File: BF139383.D
Acq: 16 Sep 2024 17:27

Tgt Ion:228 Resp: 75242
Ion Ratio Lower Upper
228 100
226 31.1 24.1 36.1
229 21.6 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

Instrument :

BNA_F

ClientSampleId :

RW-1

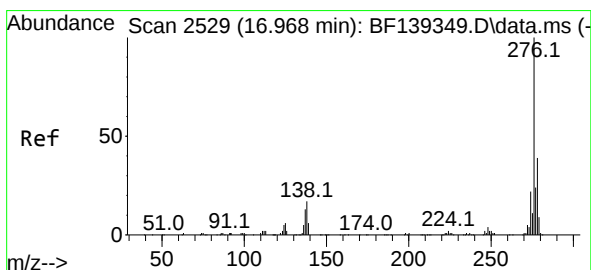
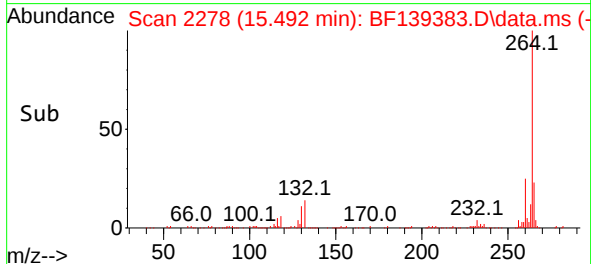
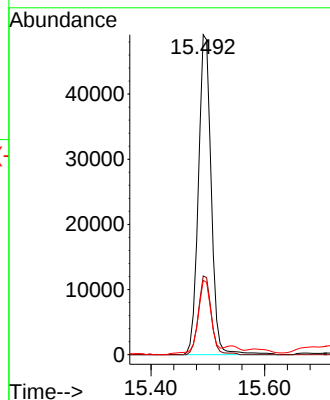
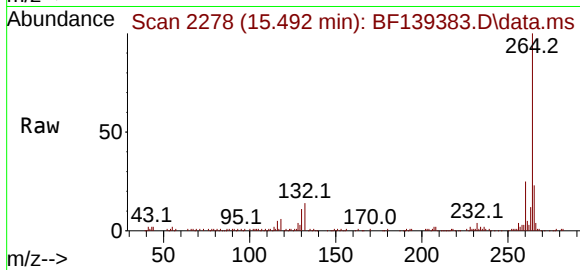
Tgt Ion:264 Resp: 77157

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

265 23.2 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.681 ng

RT: 16.957 min Scan# 2527

Delta R.T. -0.012 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

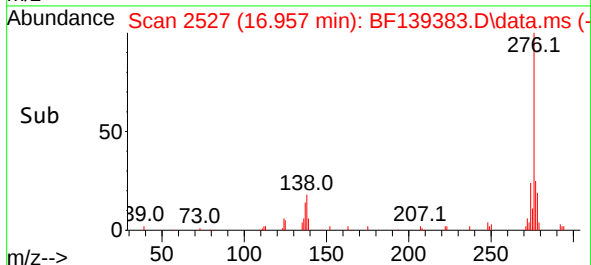
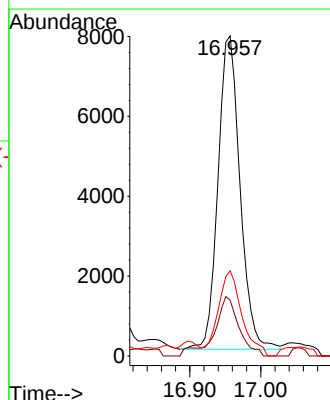
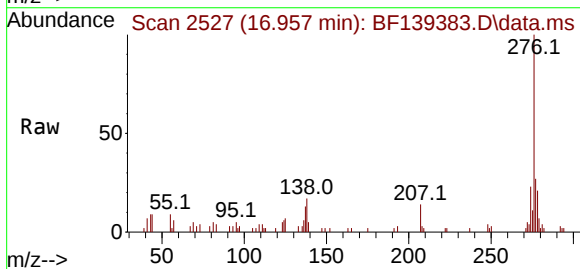
Tgt Ion:276 Resp: 16890

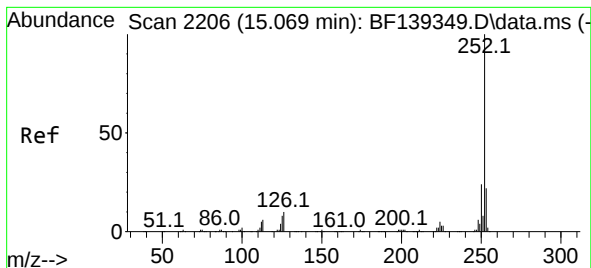
Ion Ratio Lower Upper

276 100

138 21.1 15.4 23.2

277 29.2 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 16.452 ng

RT: 15.069 min Scan# 2206

Delta R.T. 0.000 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

Instrument :

BNA_F

ClientSampleId :

RW-1

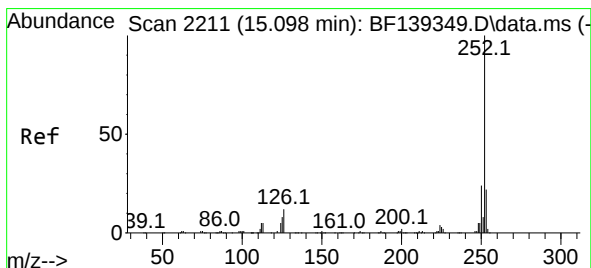
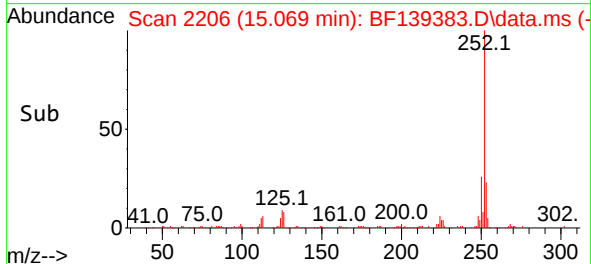
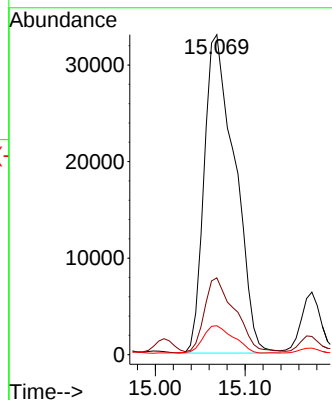
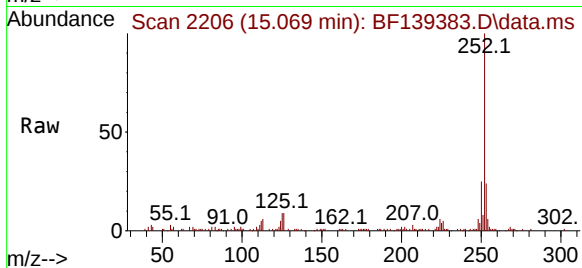
Tgt Ion:252 Resp: 78287

Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

125 9.1 6.2 9.2



#89

Benzo(k)fluoranthene

Concen: 17.843 ng

RT: 15.069 min Scan# 2206

Delta R.T. -0.029 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

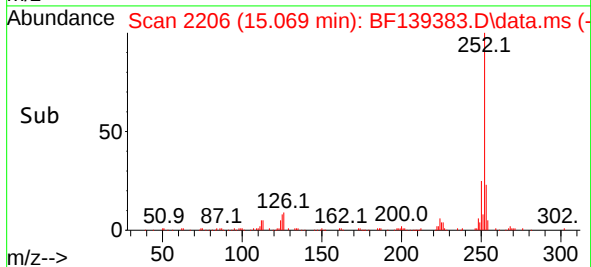
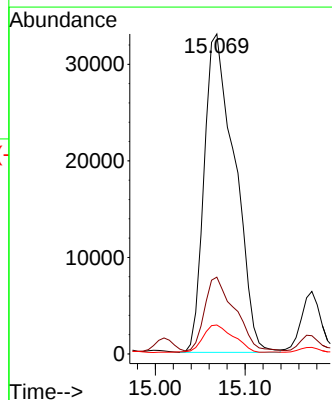
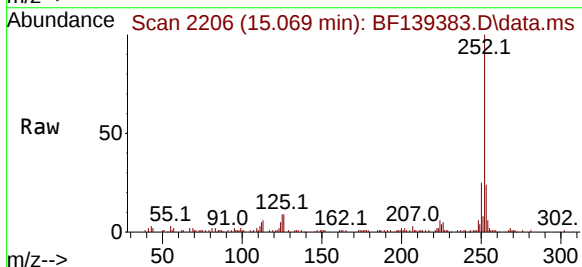
Tgt Ion:252 Resp: 78287

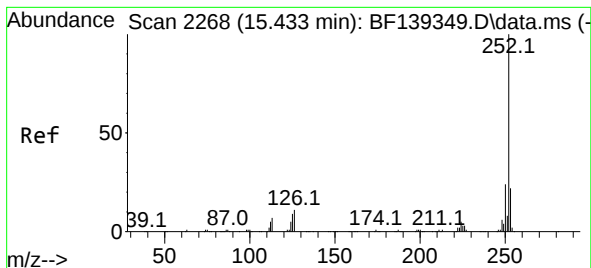
Ion Ratio Lower Upper

252 100

253 24.0 17.3 25.9

125 9.1 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 9.533 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

Instrument :

BNA_F

ClientSampleId :

RW-1

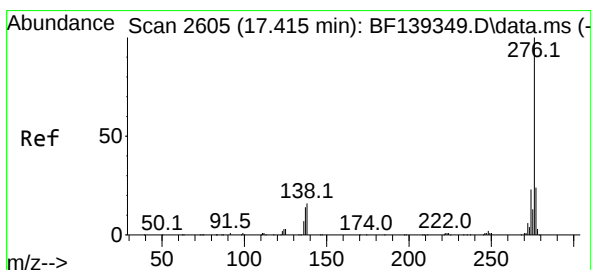
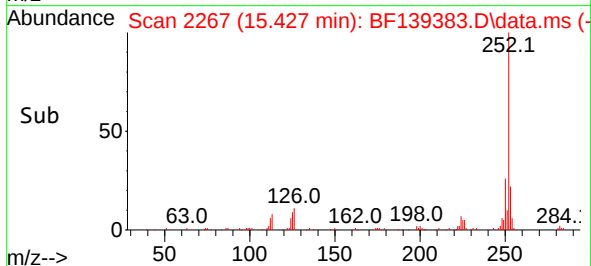
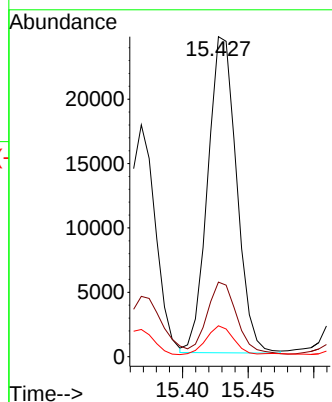
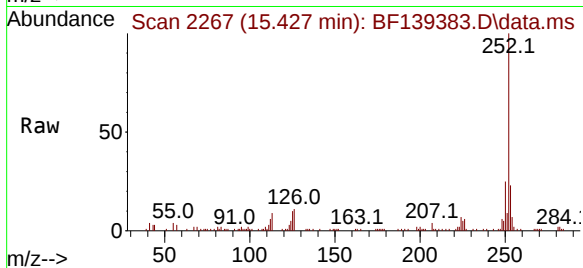
Tgt Ion:252 Resp: 37623

Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

125 9.6 6.8 10.2



#92

Benzo(g,h,i)perylene

Concen: 4.505 ng

RT: 17.398 min Scan# 2602

Delta R.T. -0.018 min

Lab File: BF139383.D

Acq: 16 Sep 2024 17:27

Tgt Ion:276 Resp: 16911

Ion Ratio Lower Upper

276 100

277 24.9 18.9 28.3

138 20.7 13.0 19.6#

