

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091124\
 Data File : BF139335.D
 Acq On : 11 Sep 2024 19:34
 Operator : RC/JU
 Sample : P3929-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BIN-2

Quant Time: Sep 12 05:16:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

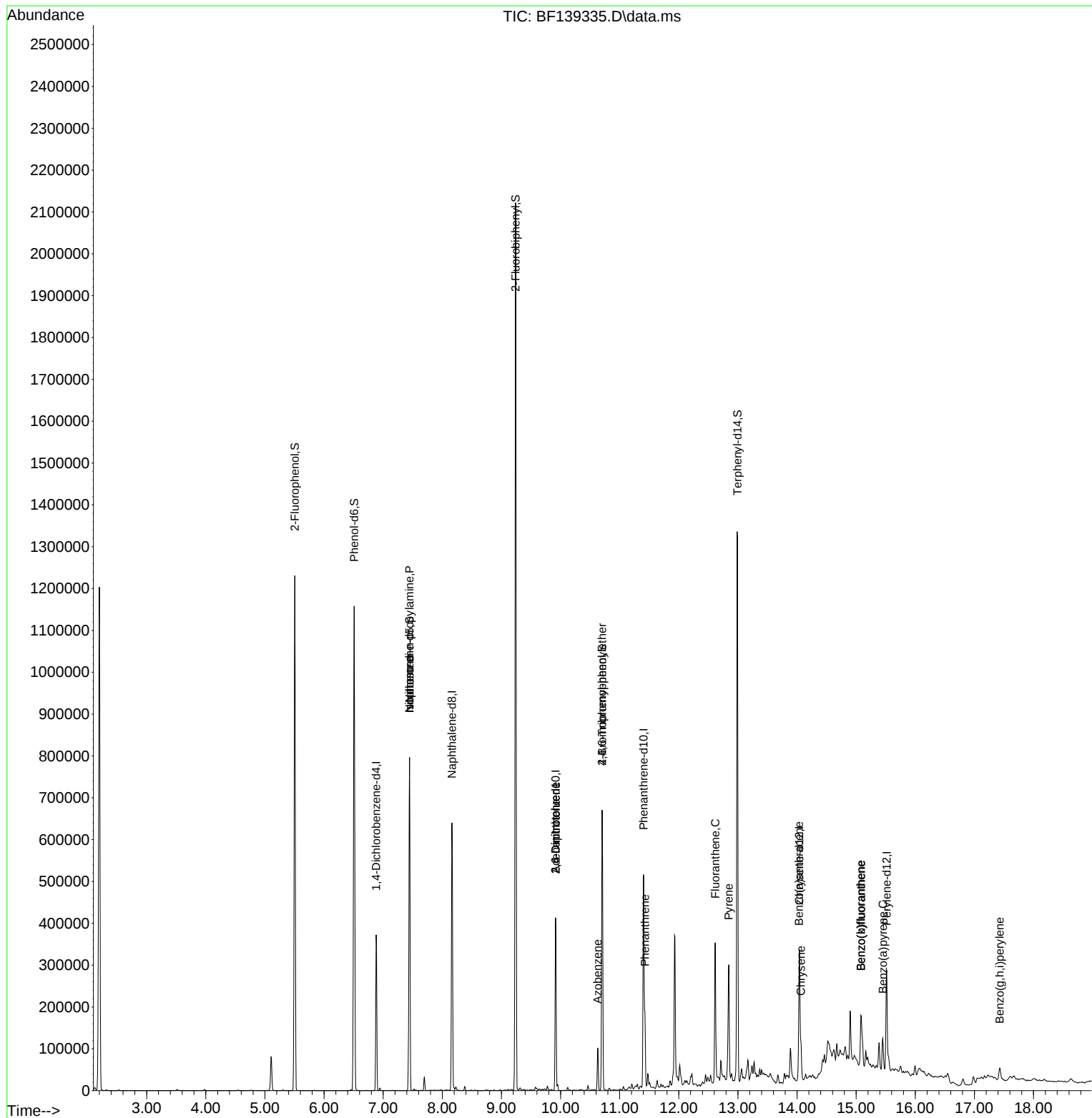
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	73127	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	373773	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	118063	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	262108	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	108012	20.000	ng	-0.01
86) Perylene-d12	15.516	264	136855	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	400750	91.676	ng	0.00
7) Phenol-d6	6.510	99	491405	84.207	ng	0.00
23) Nitrobenzene-d5	7.445	82	329414	45.849	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	94637	92.828	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	883913	115.569	ng	-0.01
79) Terphenyl-d14	12.992	244	633147	94.644	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	45873	13.649	ng	# 77
25) Isophorone	7.445	82	328442	26.738	ng	# 67
51) 2,6-Dinitrotoluene	9.916	165	15340	9.449	ng	# 18
57) 2,4-Dinitrotoluene	9.916	165	15340	7.424	ng	# 18
63) Azobenzene	10.628	77	26010	3.504	ng	# 2
67) 4-Bromophenyl-phenylether	10.704	248	7158	2.815	ng	# 1
71) Phenanthrene	11.428	178	89297	7.293	ng	99
75) Fluoranthene	12.616	202	177022	14.421	ng	99
78) Pyrene	12.845	202	159355	15.273	ng	99
81) Benzo(a)anthracene	14.033	228	50405	7.308	ng	94
83) Chrysene	14.063	228	49334	7.664	ng	99
88) Benzo(b)fluoranthene	15.080	252	105161	13.343	ng	97
89) Benzo(k)fluoranthene	15.080	252	105161	14.881	ng	96
90) Benzo(a)pyrene	15.451	252	47497	7.097	ng	98
92) Benzo(g,h,i)perylene	17.427	276	25974	3.571	ng	98

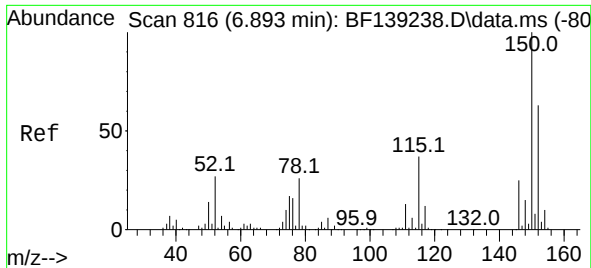
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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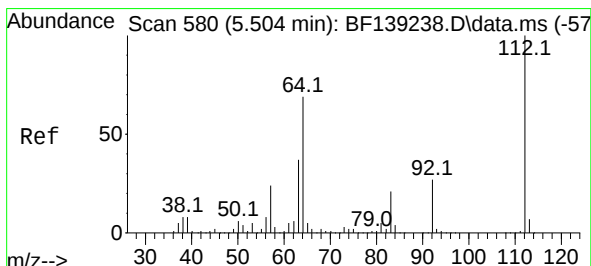
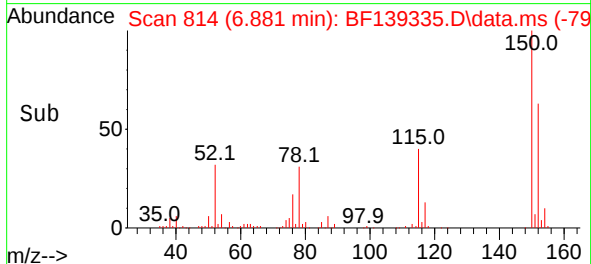
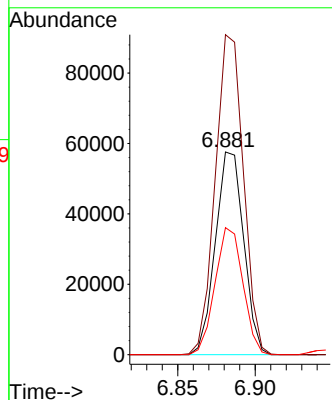
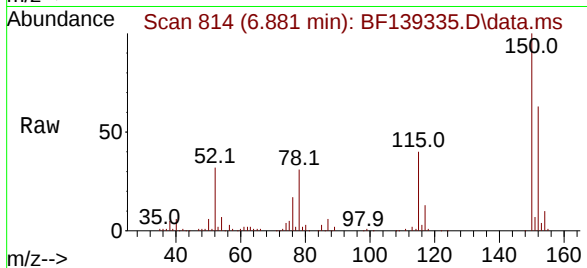




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.012 min
Lab File: BF139335.D
Acq: 11 Sep 2024 19:34

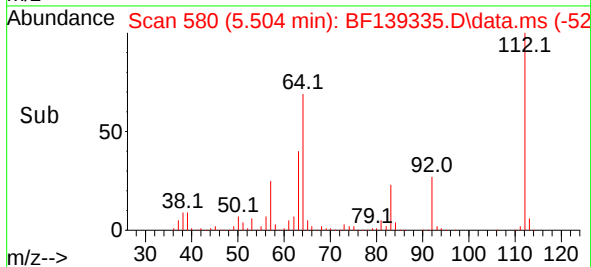
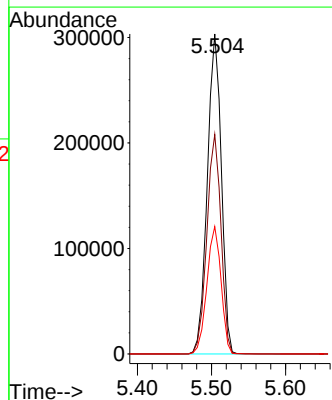
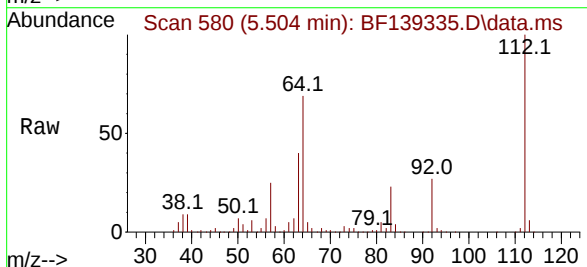
Instrument :
BNA_F
ClientSampleId :
BIN-2

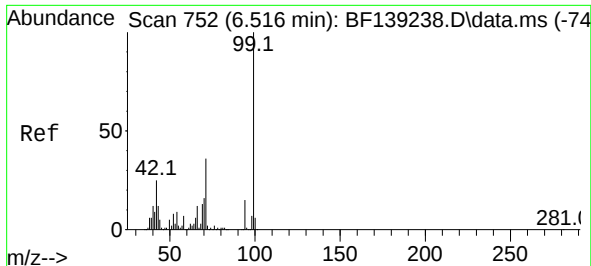
Tgt Ion:152 Resp: 73127
Ion Ratio Lower Upper
152 100
150 157.9 127.0 190.4
115 62.7 46.9 70.3



#5
2-Fluorophenol
Concen: 91.676 ng
RT: 5.504 min Scan# 580
Delta R.T. -0.000 min
Lab File: BF139335.D
Acq: 11 Sep 2024 19:34

Tgt Ion:112 Resp: 400750
Ion Ratio Lower Upper
112 100
64 68.6 55.0 82.4
63 39.8 29.9 44.9

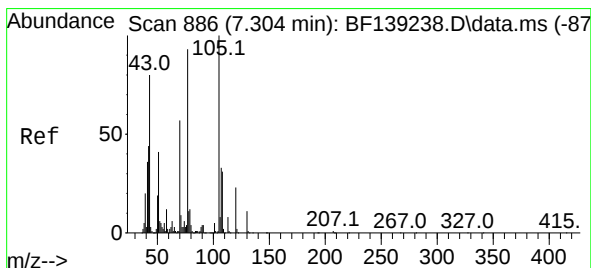
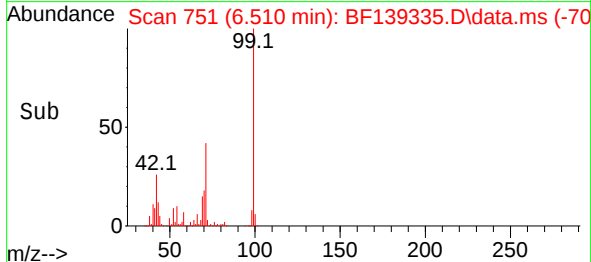
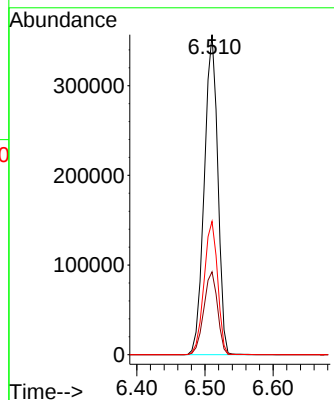
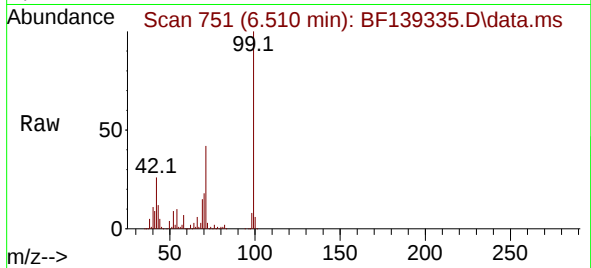




#7
Phenol-d6
Concen: 84.207 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF139335.D
Acq: 11 Sep 2024 19:34

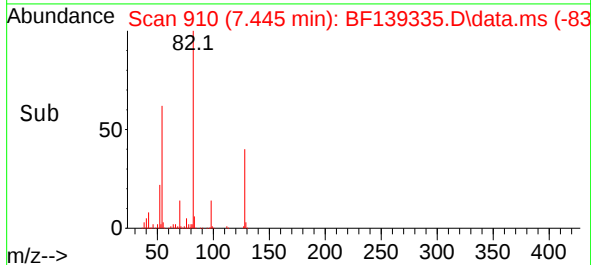
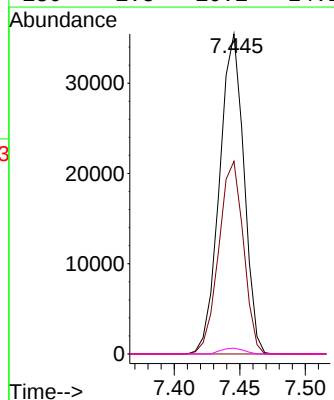
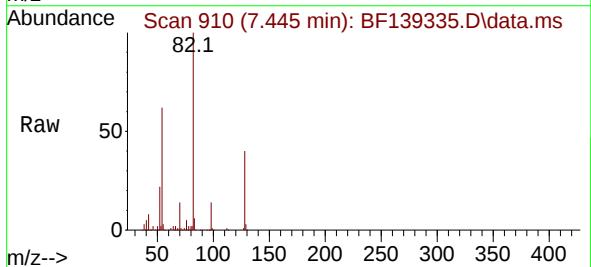
Instrument :
BNA_F
ClientSampleId :
BIN-2

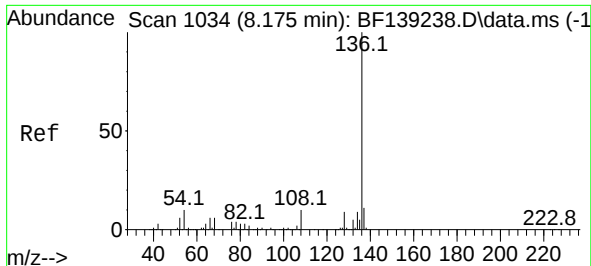
Tgt Ion: 99 Resp: 491405
Ion Ratio Lower Upper
99 100
42 25.9 19.8 29.6
71 41.7 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.649 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139335.D
Acq: 11 Sep 2024 19:34

Tgt Ion: 70 Resp: 45873
Ion Ratio Lower Upper
70 100
42 60.2 61.0 91.6#
101 0.0 7.2 10.8#
130 1.8 16.1 24.1#



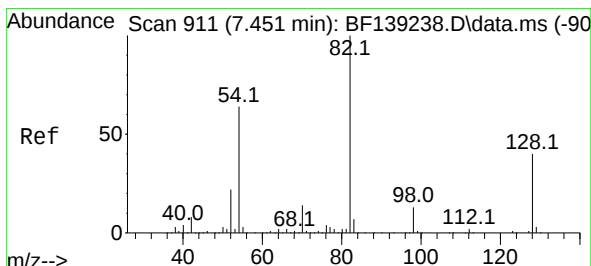
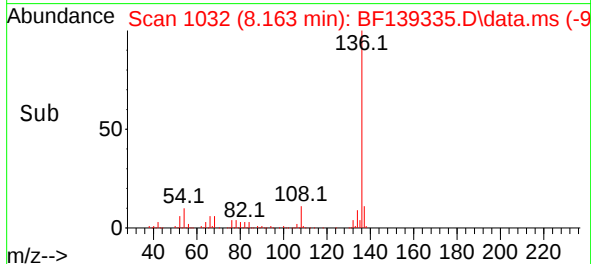
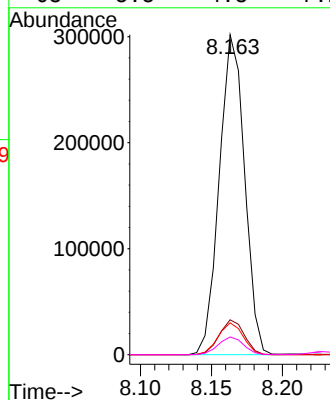
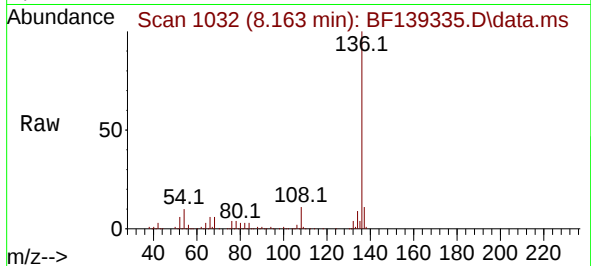


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139335.D
Acq: 11 Sep 2024 19:34

Instrument :
BNA_F
ClientSampleId :
BIN-2

Tgt Ion:136 Resp: 373773

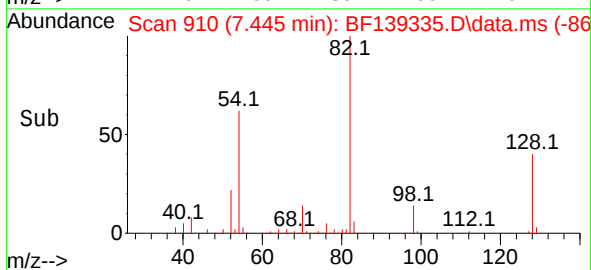
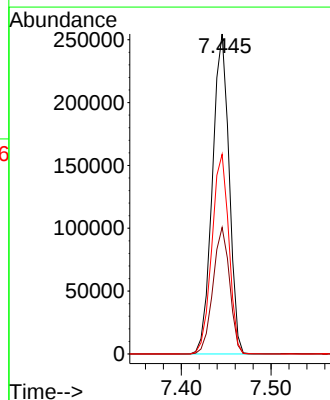
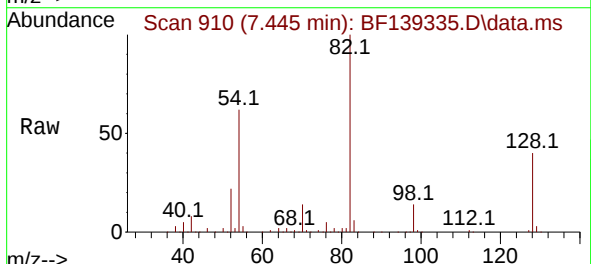
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.9	8.4	12.6
68	5.5	4.8	7.2

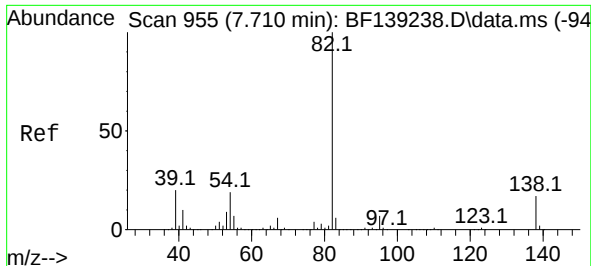


#23
Nitrobenzene-d5
Concen: 45.849 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139335.D
Acq: 11 Sep 2024 19:34

Tgt Ion: 82 Resp: 329414

Ion	Ratio	Lower	Upper
82	100		
128	39.6	32.3	48.5
54	62.4	51.2	76.8

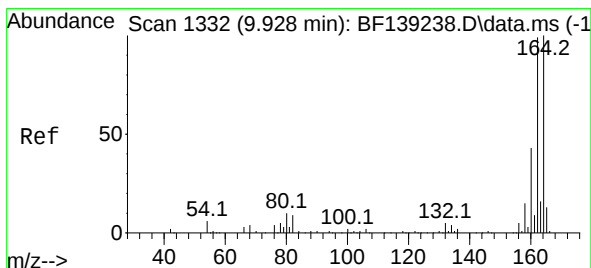
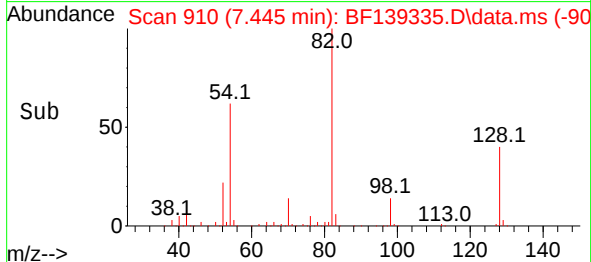
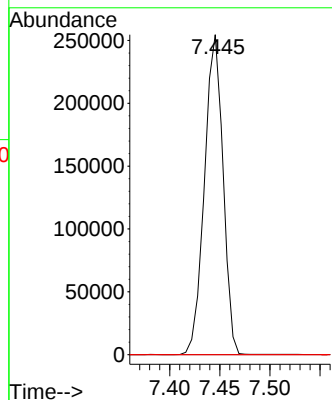
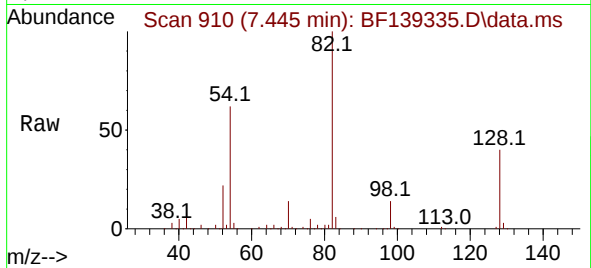




#25
Isophorone
Concen: 26.738 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF139335.D
Acq: 11 Sep 2024 19:34

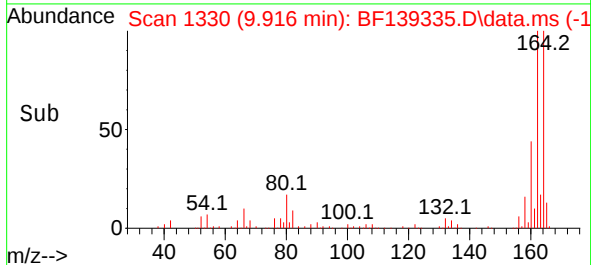
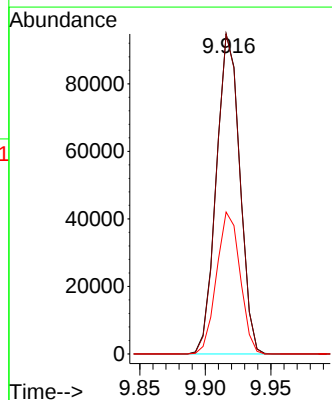
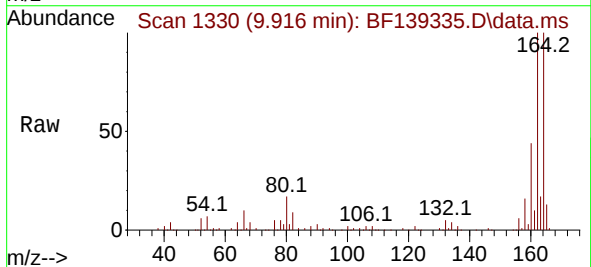
Instrument :
BNA_F
ClientSampleId :
BIN-2

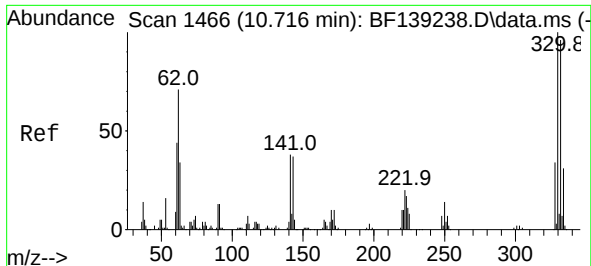
Tgt Ion: 82 Resp: 328442
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF139335.D
Acq: 11 Sep 2024 19:34

Tgt Ion:164 Resp: 118063
Ion Ratio Lower Upper
164 100
162 100.0 79.2 118.8
160 44.3 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 92.828 ng

RT: 10.704 min Scan# 1466

Delta R.T. -0.012 min

Lab File: BF139335.D

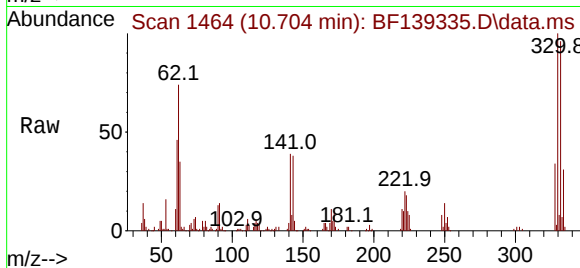
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Instrument :

BNA_F

ClientSampleId :

BIN-2



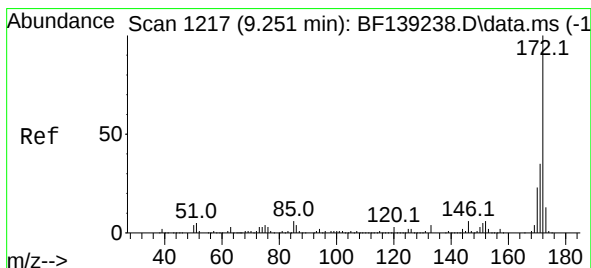
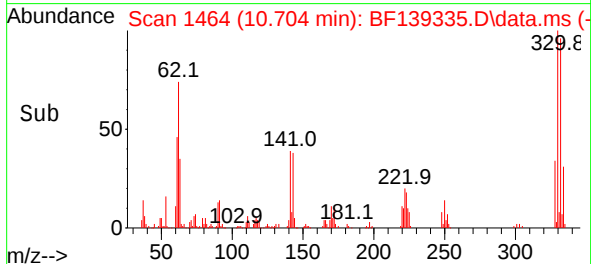
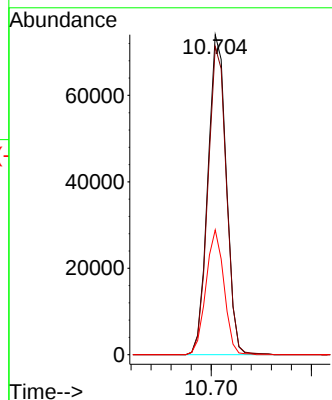
Tgt Ion:330 Resp: 94637

Ion Ratio Lower Upper

330 100

332 96.5 76.6 115.0

141 38.2 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 115.569 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF139335.D

Acq: 11 Sep 2024 19:34

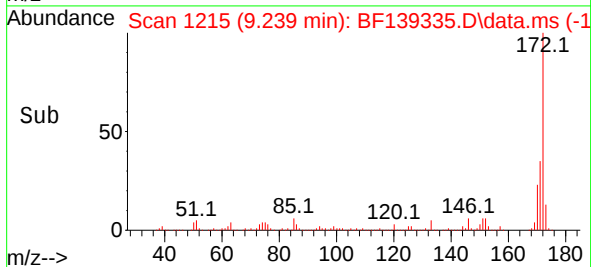
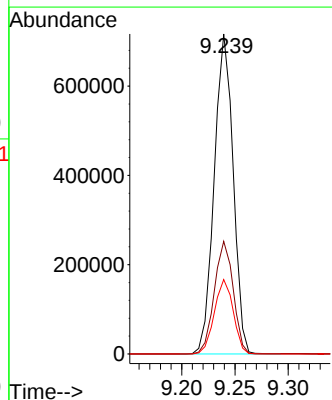
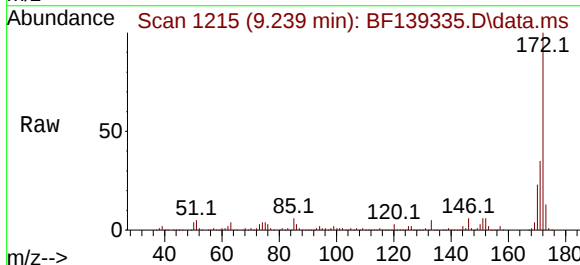
Tgt Ion:172 Resp: 883913

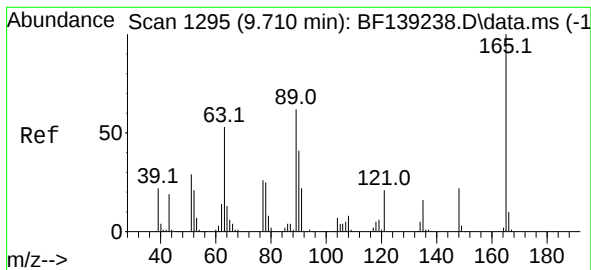
Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.3 18.7 28.1





#51

2,6-Dinitrotoluene

Concen: 9.449 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.206 min

Lab File: BF139335.D

Acq: 11 Sep 2024 19:34

Instrument :

BNA_F

ClientSampleId :

BIN-2

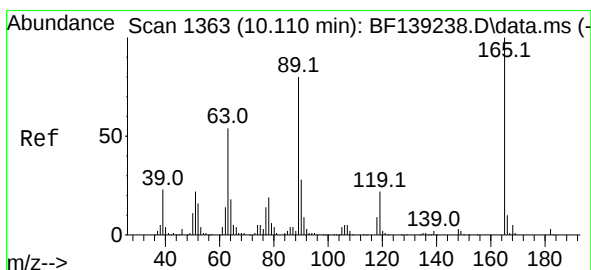
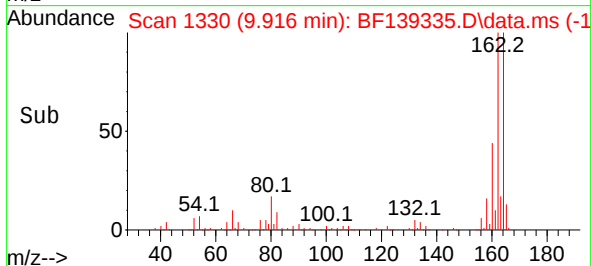
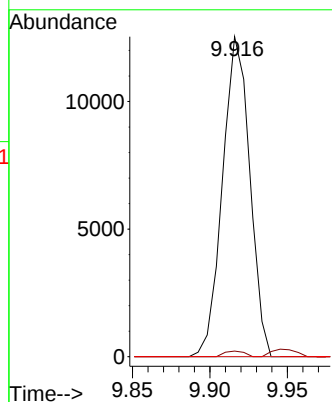
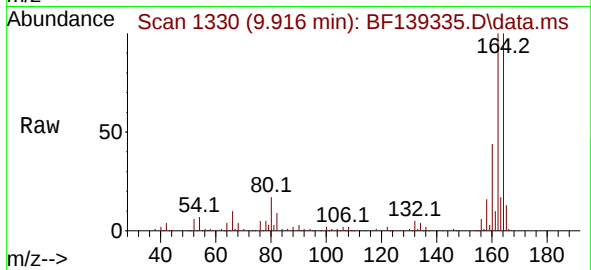
Tgt Ion:165 Resp: 15340

Ion Ratio Lower Upper

165 100

63 1.8 56.1 84.1#

89 0.0 49.7 74.5#



#57

2,4-Dinitrotoluene

Concen: 7.424 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.194 min

Lab File: BF139335.D

Acq: 11 Sep 2024 19:34

Tgt Ion:165 Resp: 15340

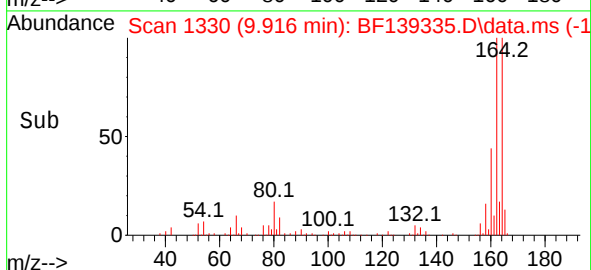
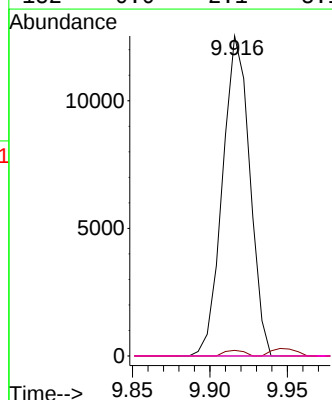
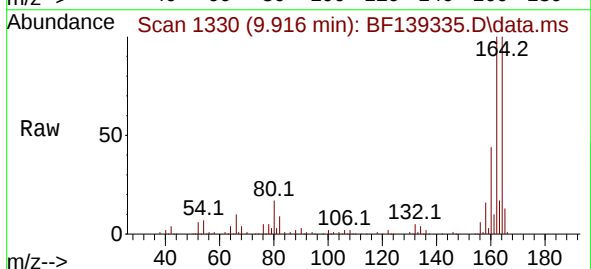
Ion Ratio Lower Upper

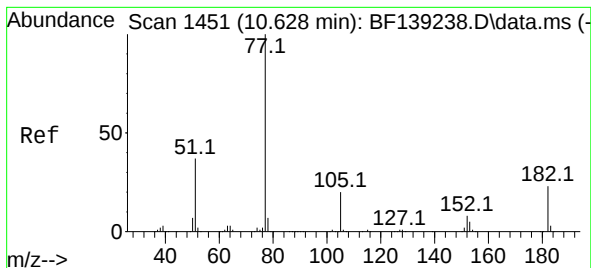
165 100

63 1.8 43.4 65.0#

89 0.0 64.2 96.4#

182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 3.504 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.000 min

Lab File: BF139335.D

Acq: 11 Sep 2024 19:34

Instrument :

BNA_F

ClientSampleId :

BIN-2

Tgt Ion: 77 Resp: 26010

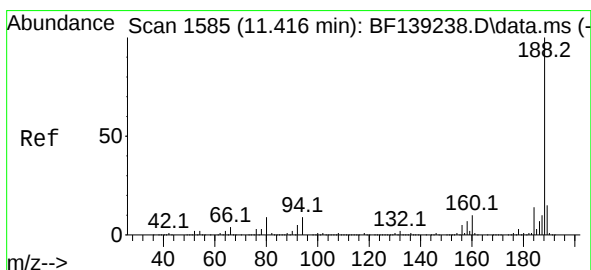
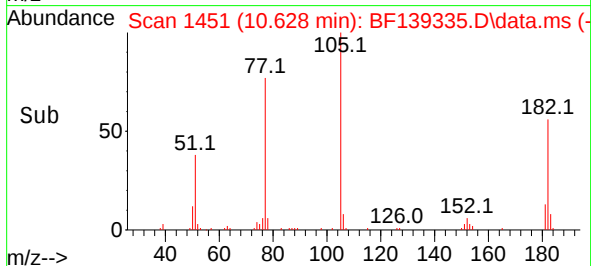
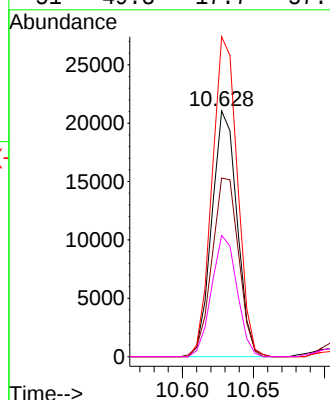
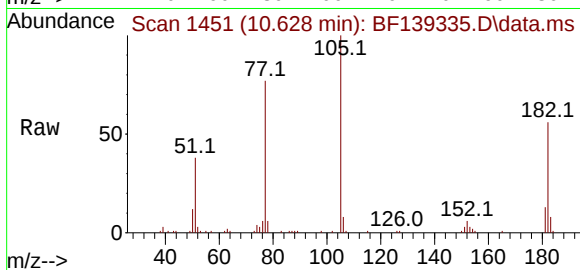
Ion Ratio Lower Upper

77 100

182 72.7 3.0 43.0#

105 130.2 0.0 39.4#

51 49.3 17.7 57.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BF139335.D

Acq: 11 Sep 2024 19:34

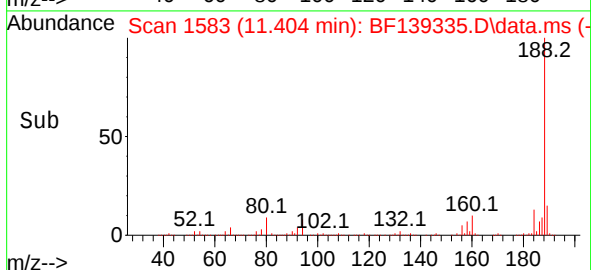
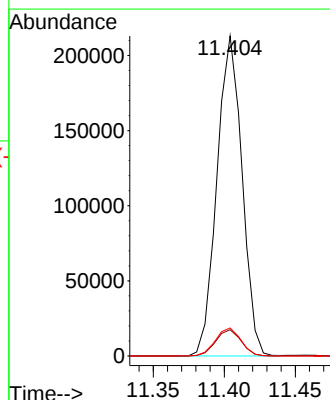
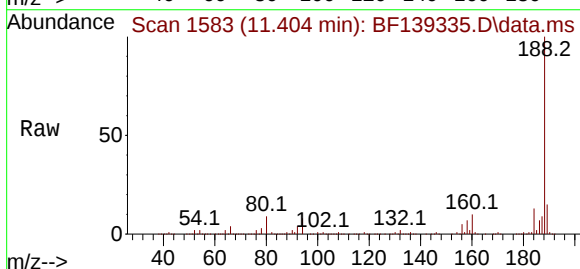
Tgt Ion: 188 Resp: 262108

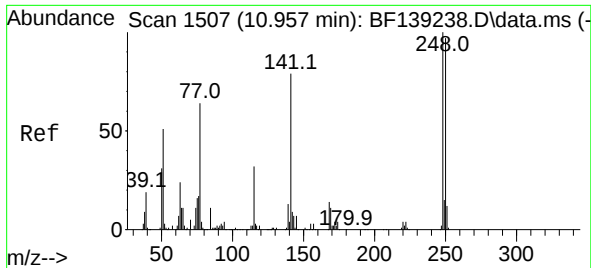
Ion Ratio Lower Upper

188 100

94 8.2 7.0 10.4

80 8.8 7.3 10.9

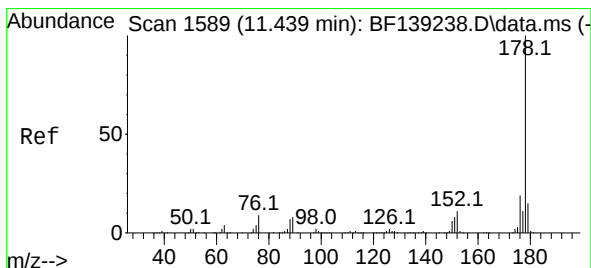
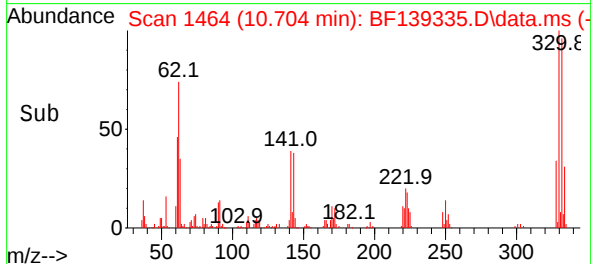
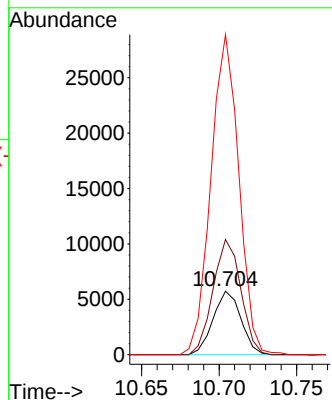
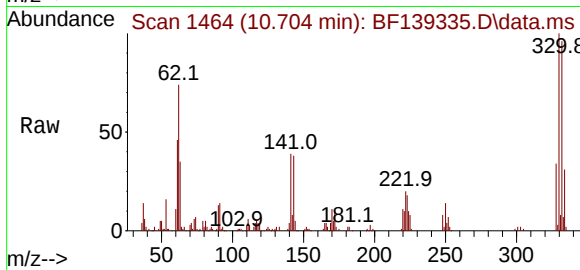




#67
4-Bromophenyl-phenylether
Concen: 2.815 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.253 min
Lab File: BF139335.D
Acq: 11 Sep 2024 19:34

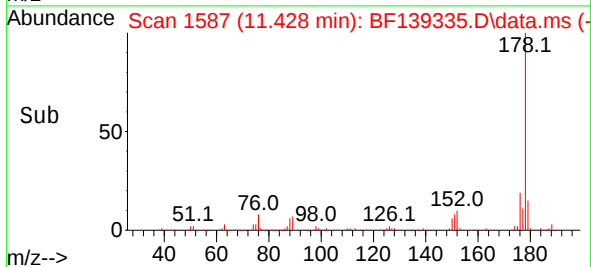
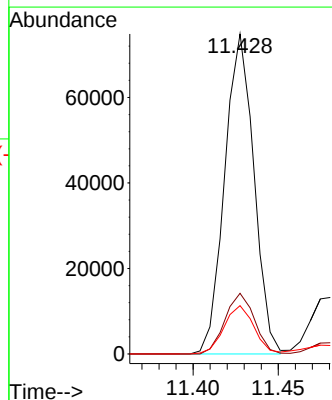
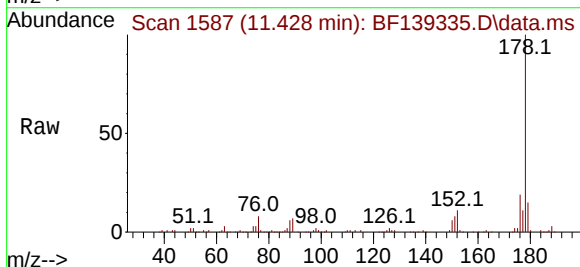
Instrument :
BNA_F
ClientSampleId :
BIN-2

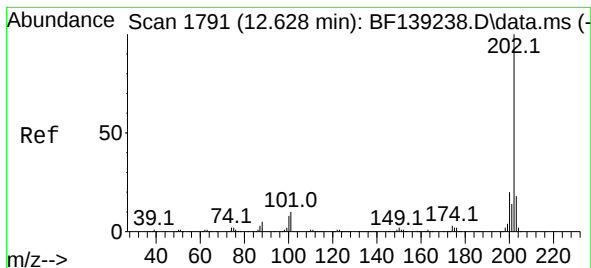
Tgt Ion:248 Resp: 7158
Ion Ratio Lower Upper
248 100
250 181.5 77.2 115.8#
141 504.2 63.6 95.4#



#71
Phenanthrene
Concen: 7.293 ng
RT: 11.428 min Scan# 1587
Delta R.T. -0.012 min
Lab File: BF139335.D
Acq: 11 Sep 2024 19:34

Tgt Ion:178 Resp: 89297
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.1 12.3 18.5





#75

Fluoranthene

Concen: 14.421 ng

RT: 12.616 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139335.D

Acq: 11 Sep 2024 19:34

Instrument :

BNA_F

ClientSampleId :

BIN-2

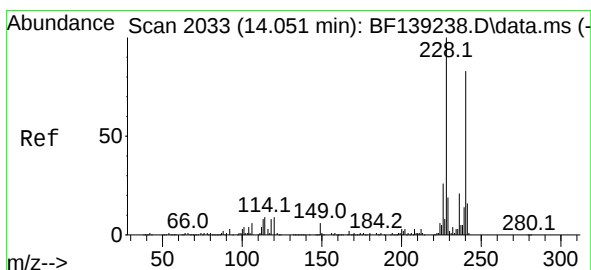
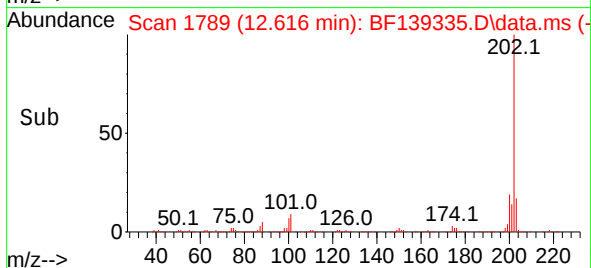
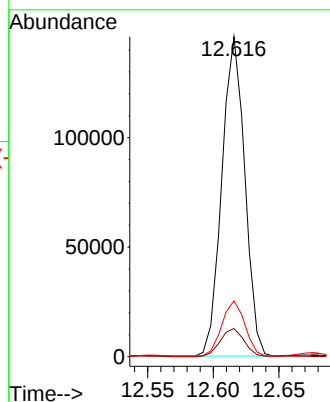
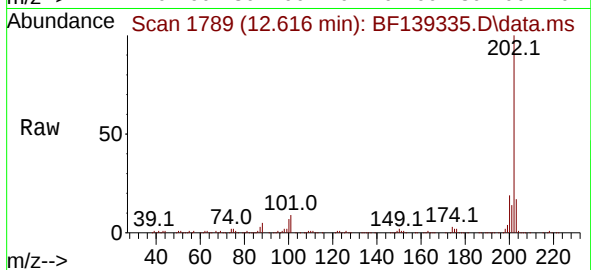
Tgt Ion:202 Resp: 177022

Ion Ratio Lower Upper

202 100

101 8.8 0.0 29.9

203 17.5 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF139335.D

Acq: 11 Sep 2024 19:34

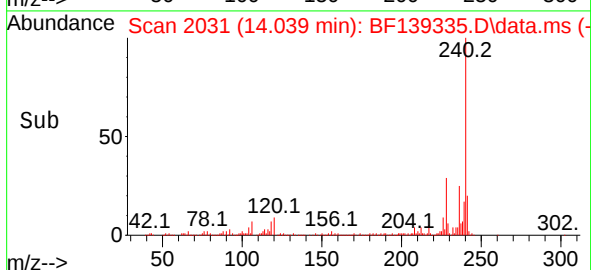
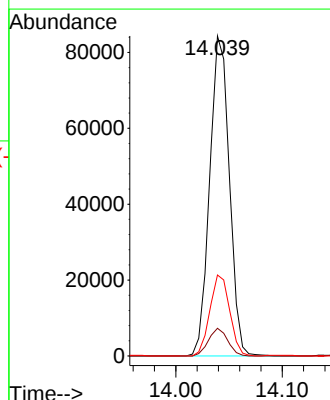
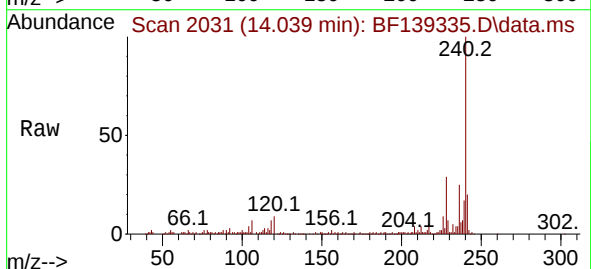
Tgt Ion:240 Resp: 108012

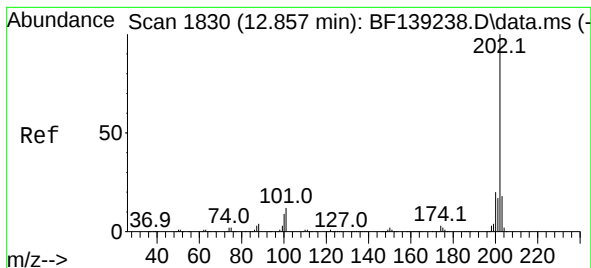
Ion Ratio Lower Upper

240 100

120 8.7 8.6 12.8

236 25.3 20.7 31.1





#78

Pyrene

Concen: 15.273 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.012 min

Lab File: BF139335.D

Acq: 11 Sep 2024 19:34

Instrument :

BNA_F

ClientSampleId :

BIN-2

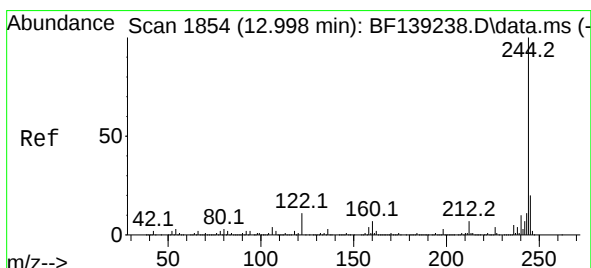
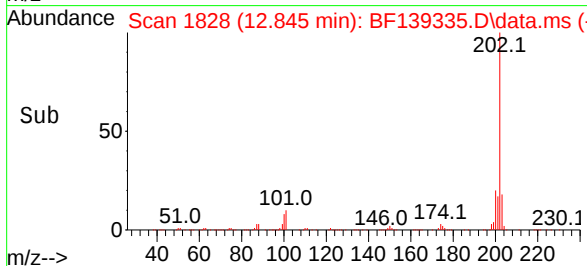
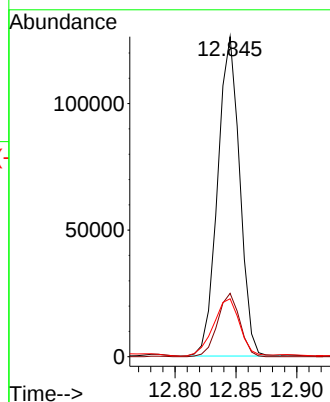
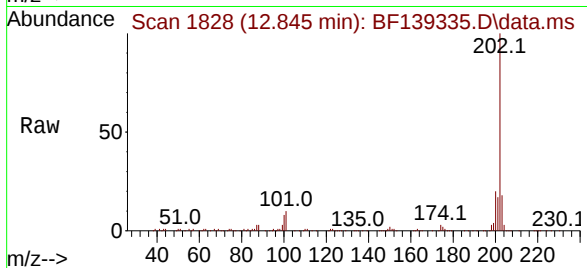
Tgt Ion:202 Resp: 159355

Ion Ratio Lower Upper

202 100

200 19.8 15.8 23.8

203 18.1 14.1 21.1



#79

Terphenyl-d14

Concen: 94.644 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF139335.D

Acq: 11 Sep 2024 19:34

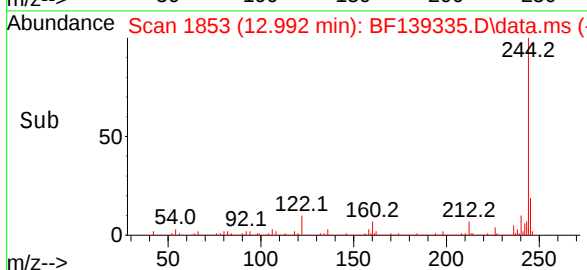
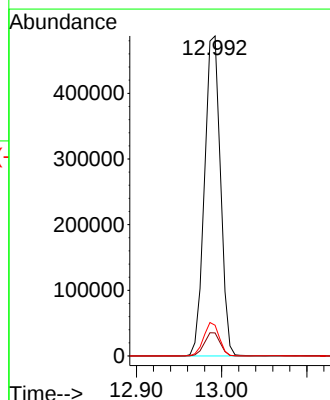
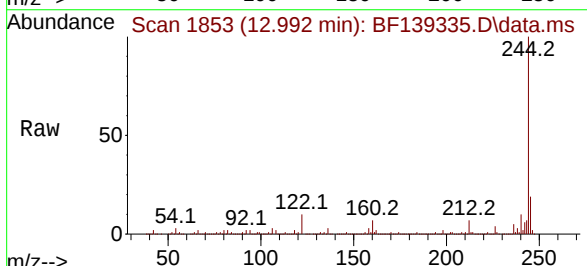
Tgt Ion:244 Resp: 633147

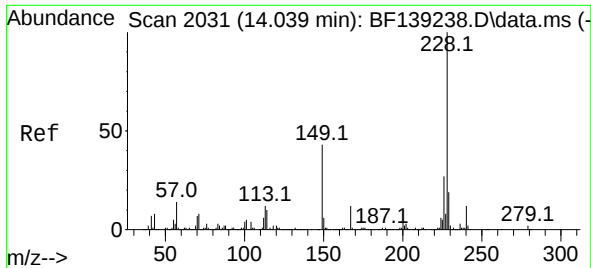
Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 9.6 8.7 13.1

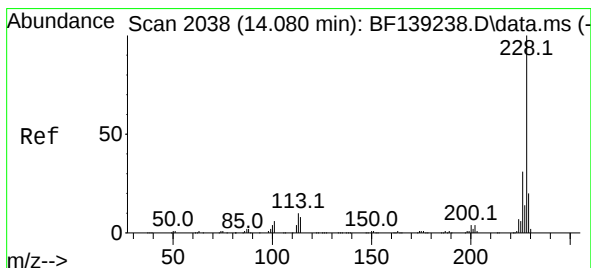
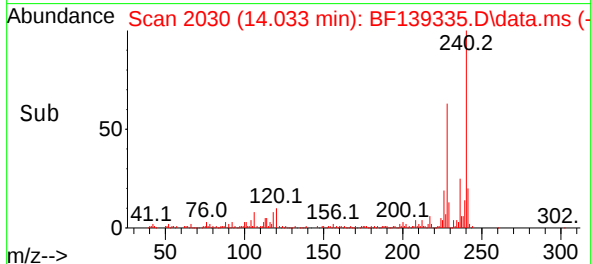
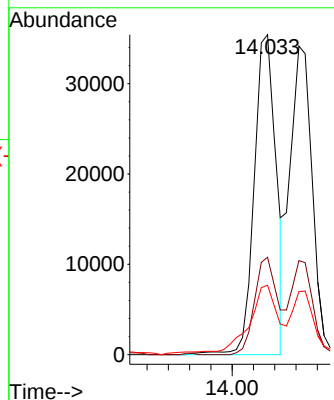
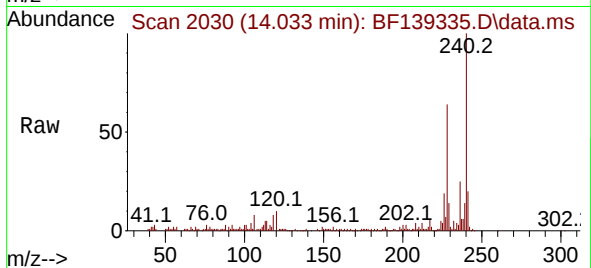




#81
Benzo(a)anthracene
Concen: 7.308 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF139335.D
Acq: 11 Sep 2024 19:34

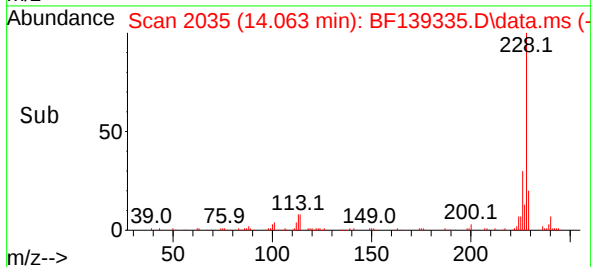
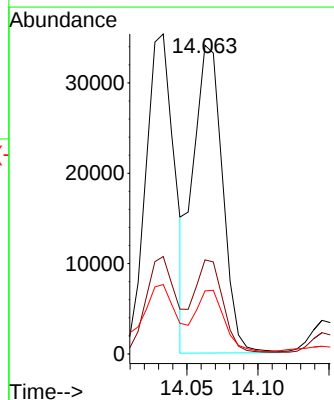
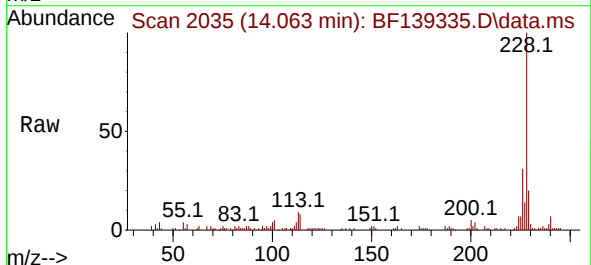
Instrument :
BNA_F
ClientSampleId :
BIN-2

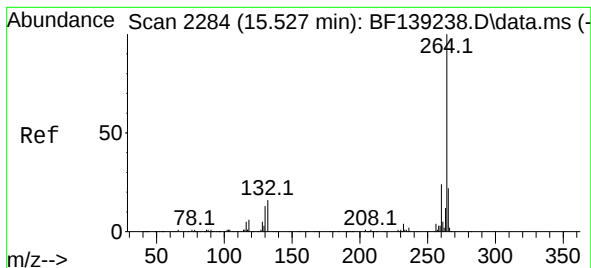
Tgt Ion:228 Resp: 50405
Ion Ratio Lower Upper
228 100
226 30.4 21.5 32.3
229 21.7 15.6 23.4



#83
Chrysene
Concen: 7.664 ng
RT: 14.063 min Scan# 2035
Delta R.T. -0.018 min
Lab File: BF139335.D
Acq: 11 Sep 2024 19:34

Tgt Ion:228 Resp: 49334
Ion Ratio Lower Upper
228 100
226 30.5 23.8 35.8
229 20.4 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.516 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139335.D

Acq: 11 Sep 2024 19:34

Instrument :

BNA_F

ClientSampleId :

BIN-2

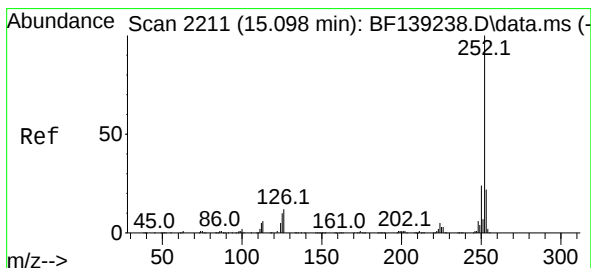
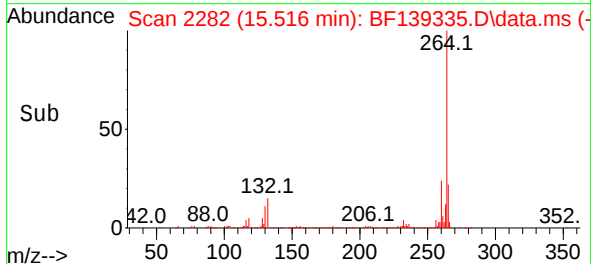
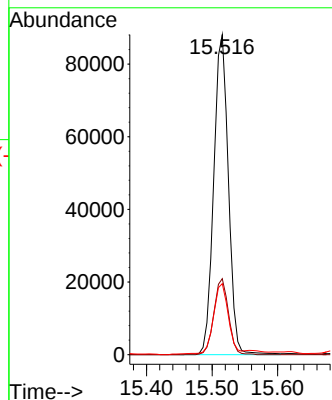
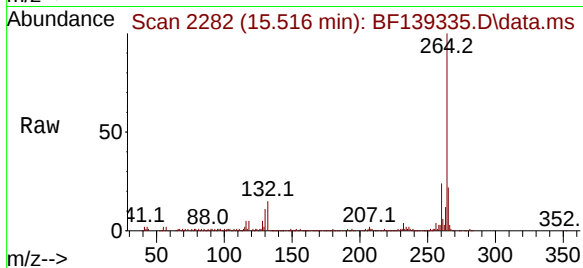
Tgt Ion:264 Resp: 136855

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 22.2 17.3 25.9



#88

Benzo(b)fluoranthene

Concen: 13.343 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.018 min

Lab File: BF139335.D

Acq: 11 Sep 2024 19:34

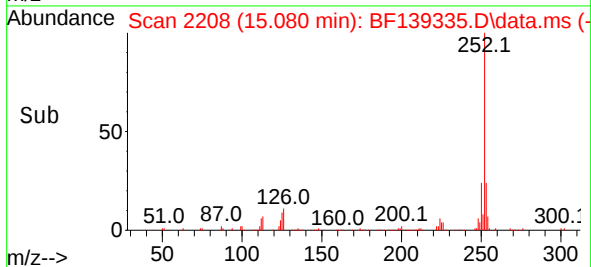
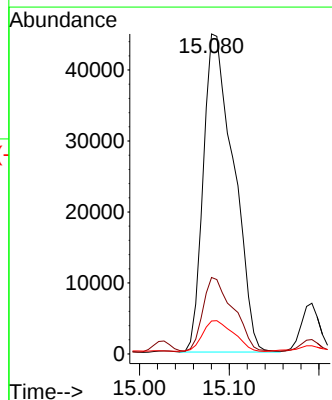
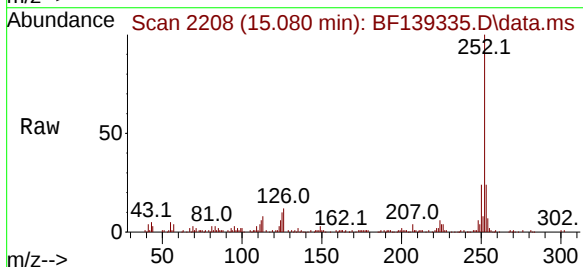
Tgt Ion:252 Resp: 105161

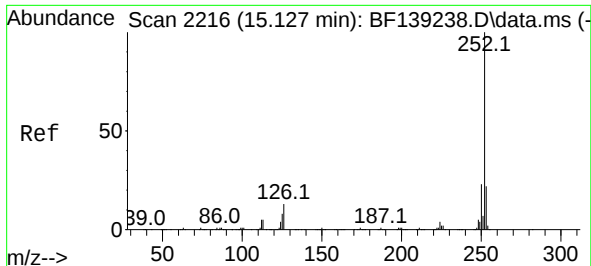
Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

125 10.3 7.6 11.4





#89

Benzo(k)fluoranthene

Concen: 14.881 ng

RT: 15.080 min Scan# 2216

Delta R.T. -0.047 min

Lab File: BF139335.D

Acq: 11 Sep 2024 19:34

Instrument :

BNA_F

ClientSampleId :

BIN-2

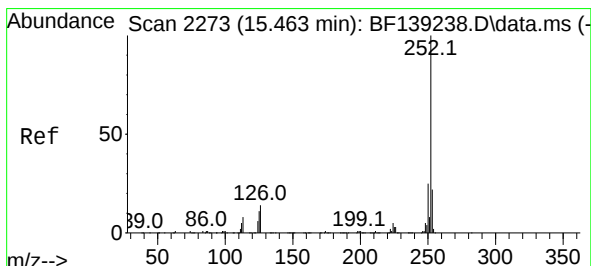
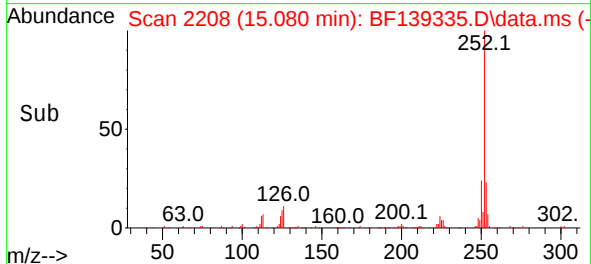
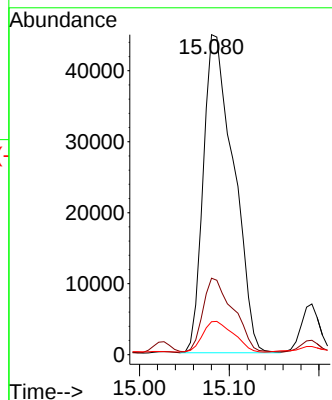
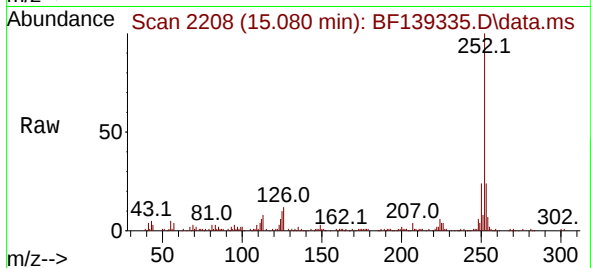
Tgt Ion:252 Resp: 105161

Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

125 10.3 7.2 10.8



#90

Benzo(a)pyrene

Concen: 7.097 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF139335.D

Acq: 11 Sep 2024 19:34

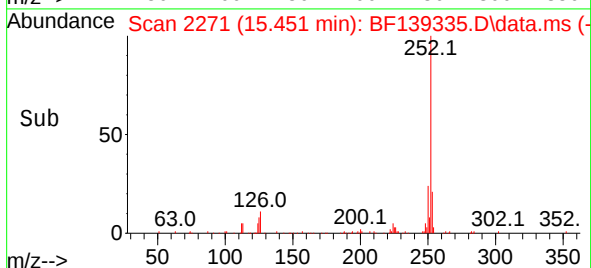
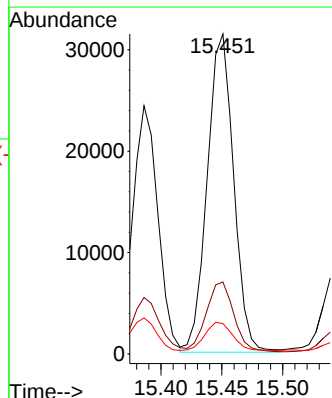
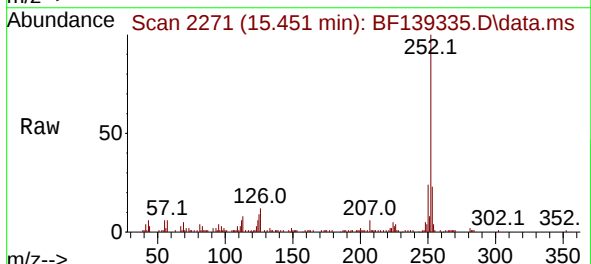
Tgt Ion:252 Resp: 47497

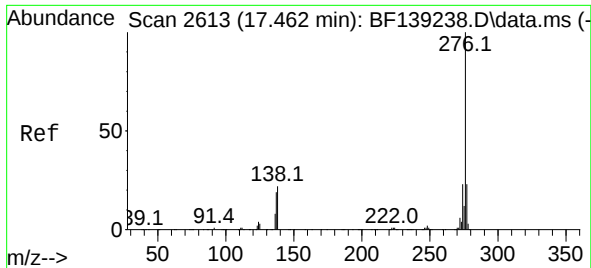
Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

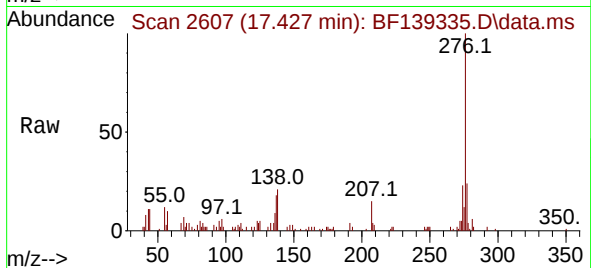
125 9.5 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 3.571 ng
 RT: 17.427 min Scan# 2
 Delta R.T. -0.035 min
 Lab File: BF139335.D
 Acq: 11 Sep 2024 19:34

Instrument :
 BNA_F
 ClientSampleId :
 BIN-2



Tgt Ion:	276	Resp:	25974
Ion Ratio	Lower	Upper	
276	100		
277	24.3	18.6	27.8
138	21.1	17.4	26.0

