

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091124\
 Data File : BF139336.D
 Acq On : 11 Sep 2024 20:01
 Operator : RC/JU
 Sample : P3925-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-07091024

Quant Time: Sep 12 05:16:44 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)

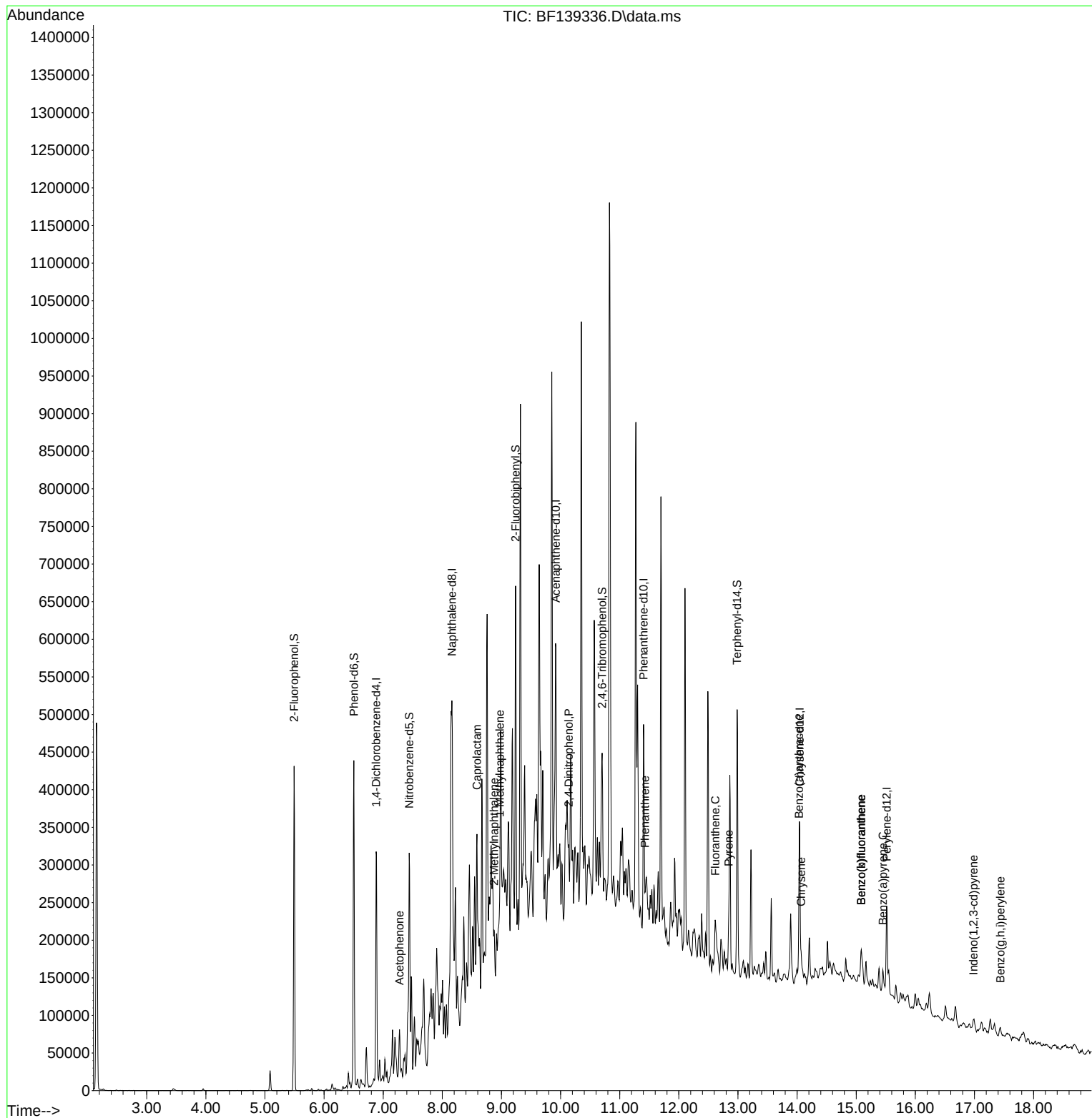
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	57520	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	194260	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	81133	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	127051	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	84506	20.000	ng	# 0.00
86) Perylene-d12	15.515	264	64985	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	129657	37.708	ng	-0.01
7) Phenol-d6	6.504	99	164058	35.741	ng	-0.01
23) Nitrobenzene-d5	7.439	82	108944	29.175	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	26736	38.162	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	178055	33.877	ng	-0.01
79) Terphenyl-d14	12.986	244	148571	28.386	ng	-0.01
Target Compounds						Qvalue
22) Acetophenone	7.275	105	11154	2.410	ng	# 48
35) Caprolactam	8.586	113	5230	6.355	ng	# 1
37) 2-Methylnaphthalene	8.875	142	17419	2.830	ng	99
38) 1-Methylnaphthalene	8.975	142	13527	2.235	ng	91
54) 2,4-Dinitrophenol	10.139	184	185	7.812	ng	# 1
71) Phenanthrene	11.427	178	12366	2.083	ng	# 90
75) Fluoranthene	12.616	202	35146	5.907	ng	97
78) Pyrene	12.845	202	37631	4.610	ng	97
81) Benzo(a)anthracene	14.033	228	23969	4.442	ng	# 91
83) Chrysene	14.068	228	17679	3.510	ng	# 92
87) Indeno(1,2,3-cd)pyrene	16.986	276	9446	2.327	ng	94
88) Benzo(b)fluoranthene	15.086	252	29925	7.996	ng	# 86
89) Benzo(k)fluoranthene	15.086	252	29925	8.918	ng	# 86
90) Benzo(a)pyrene	15.451	252	16124	5.074	ng	# 93
92) Benzo(g,h,i)perylene	17.439	276	10376	3.005	ng	96

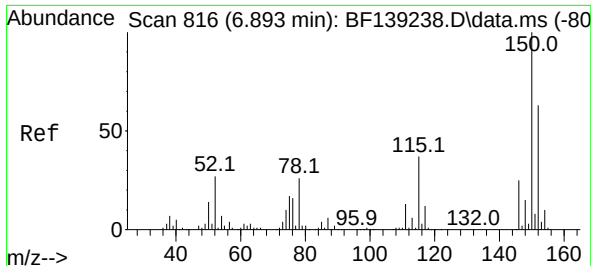
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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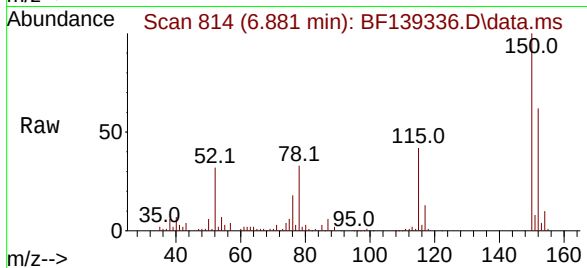
Quant Time: Sep 12 05:16:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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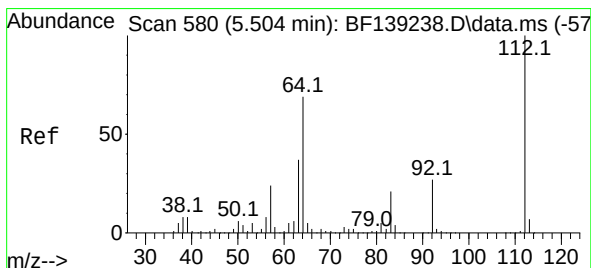
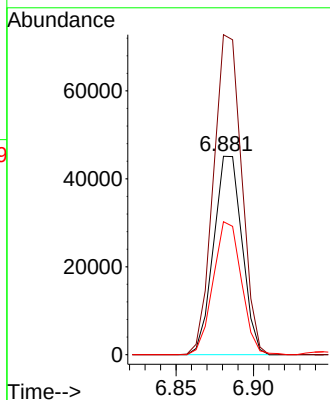
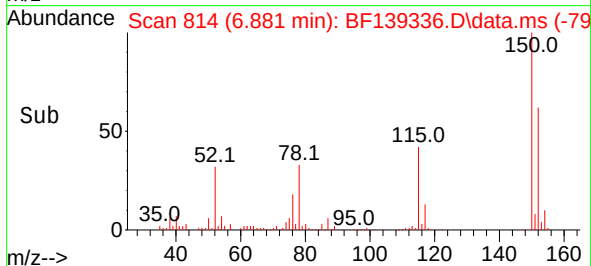


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

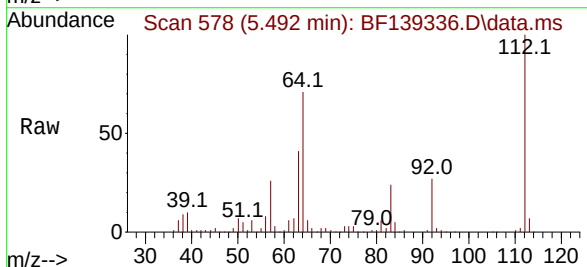
Instrument :
BNA_F
ClientSampleId :
NB-07091024



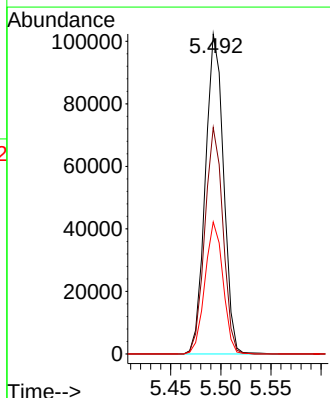
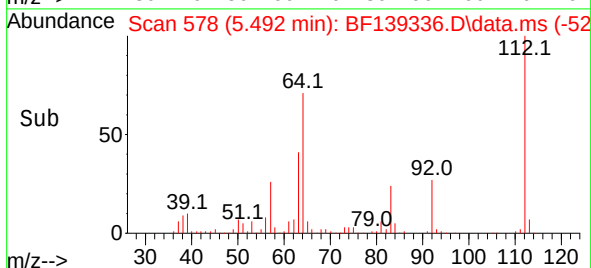
Tgt Ion:152 Resp: 57520
Ion Ratio Lower Upper
152 100
150 161.2 127.0 190.4
115 67.0 46.9 70.3

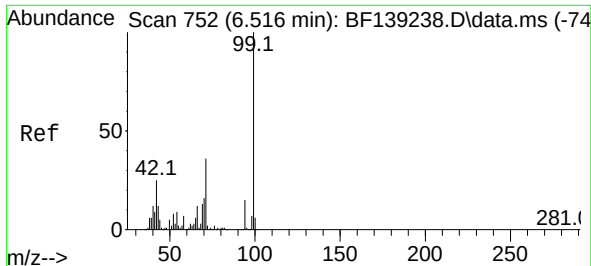


#5
2-Fluorophenol
Concen: 37.708 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01



Tgt Ion:112 Resp: 129657
Ion Ratio Lower Upper
112 100
64 70.8 55.0 82.4
63 41.2 29.9 44.9

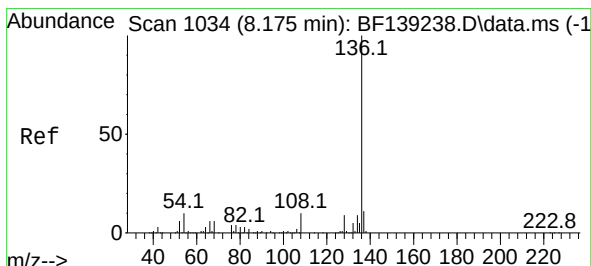
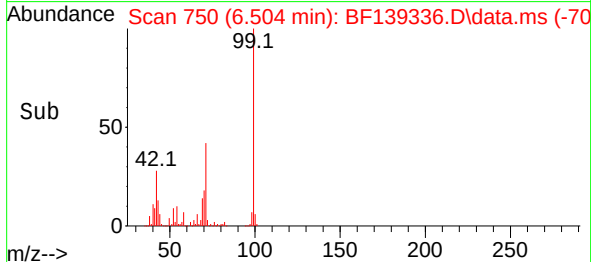
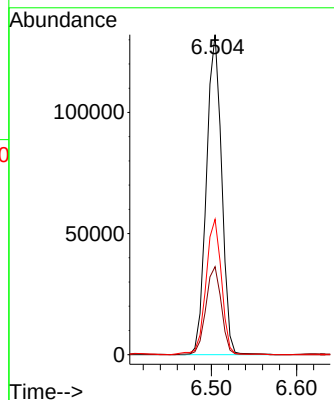
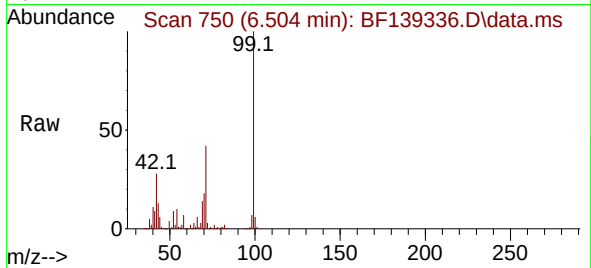




#7
Phenol-d6
Concen: 35.741 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

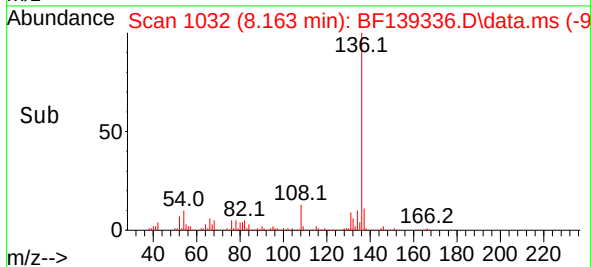
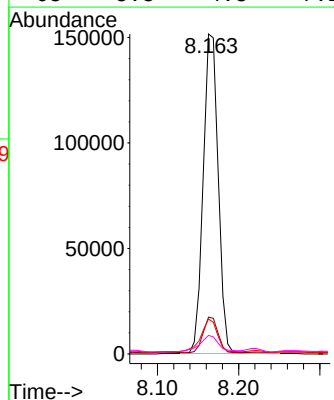
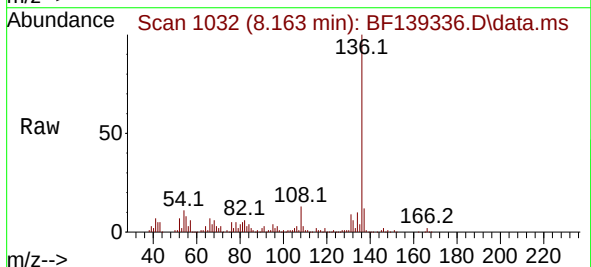
Instrument :
BNA_F
ClientSampleId :
NB-07091024

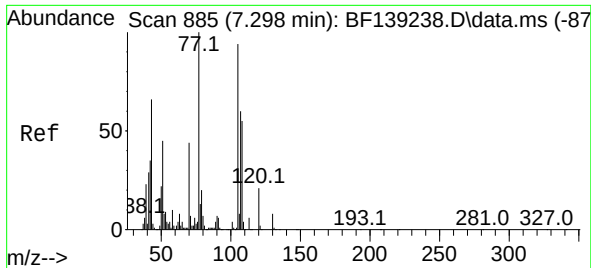
Tgt Ion: 99 Resp: 164058
Ion Ratio Lower Upper
99 100
42 27.5 19.8 29.6
71 42.3 28.8 43.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

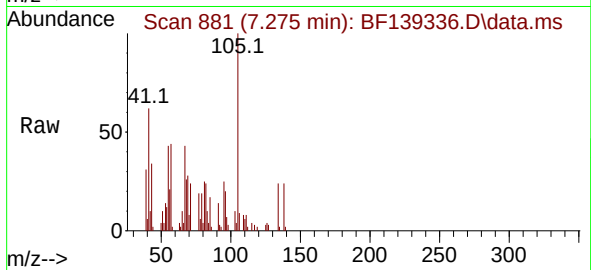
Tgt Ion: 136 Resp: 194260
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 10.9 8.4 12.6
68 5.8 4.8 7.2



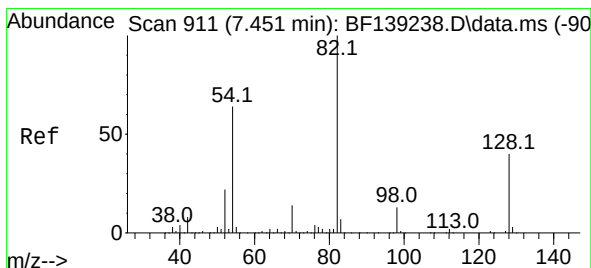
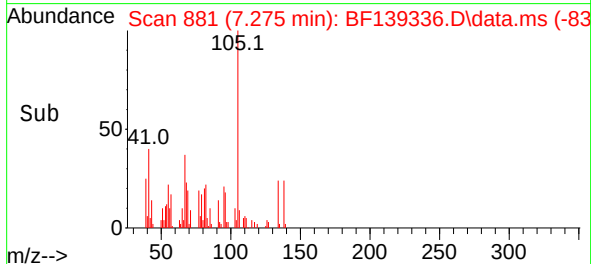
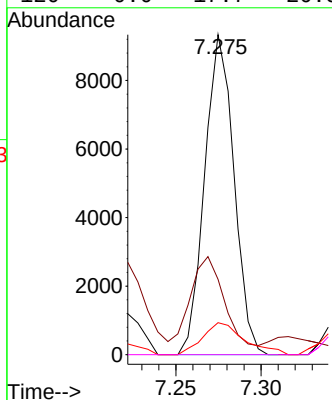


#22
Acetophenone
Concen: 2.410 ng
RT: 7.275 min Scan# 801
Delta R.T. -0.024 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

Instrument :
BNA_F
ClientSampleId :
NB-07091024

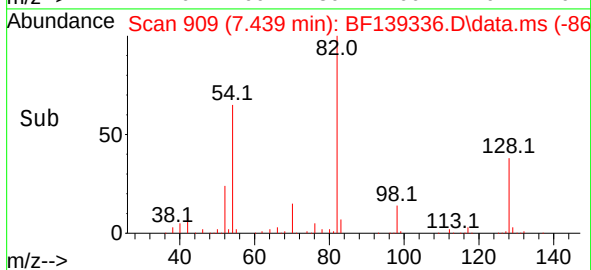
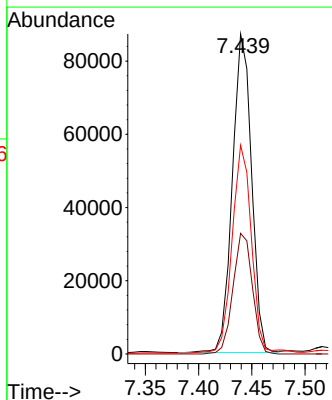
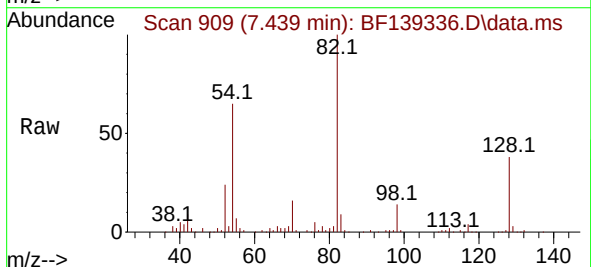


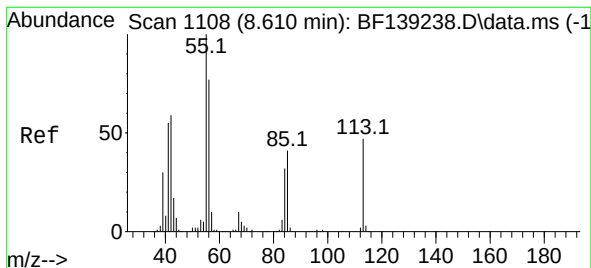
Tgt Ion:	105	Resp:	11154
Ion	Ratio	Lower	Upper
105	100		
71	23.6	6.2	9.2#
51	10.0	38.2	57.2#
120	0.0	17.7	26.5#



#23
Nitrobenzene-d5
Concen: 29.175 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

Tgt Ion:	82	Resp:	108944
Ion	Ratio	Lower	Upper
82	100		
128	37.7	32.3	48.5
54	65.2	51.2	76.8





#35

Caprolactam

Concen: 6.355 ng

RT: 8.586 min Scan# 1104

Delta R.T. -0.024 min

Lab File: BF139336.D

Acq: 11 Sep 2024 20:01

Instrument :

BNA_F

ClientSampleId :

NB-07091024

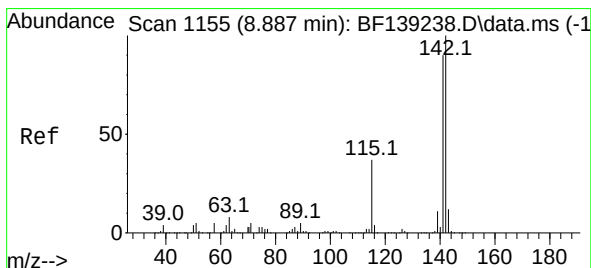
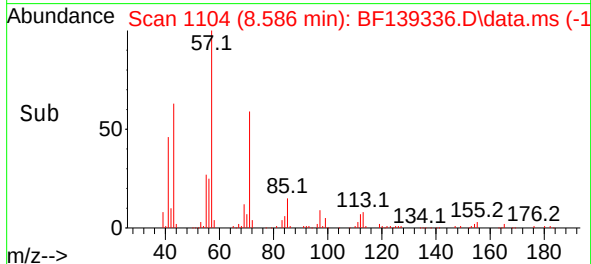
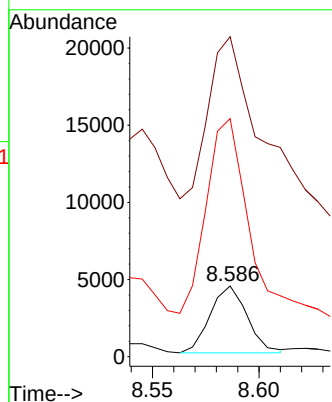
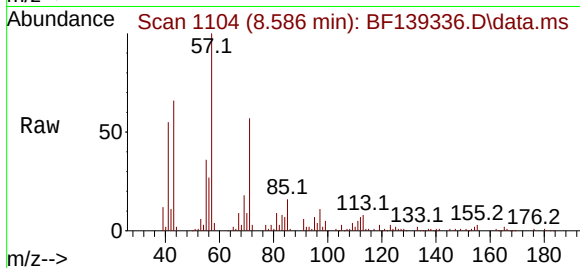
Tgt Ion:113 Resp: 5230

Ion Ratio Lower Upper

113 100

55 452.6 193.7 233.7#

56 336.7 145.0 185.0#



#37

2-Methylnaphthalene

Concen: 2.830 ng

RT: 8.875 min Scan# 1153

Delta R.T. -0.012 min

Lab File: BF139336.D

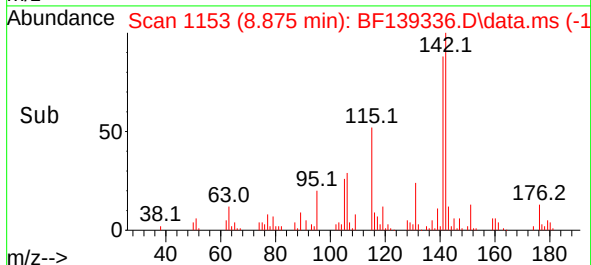
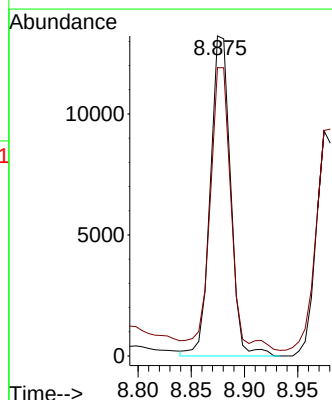
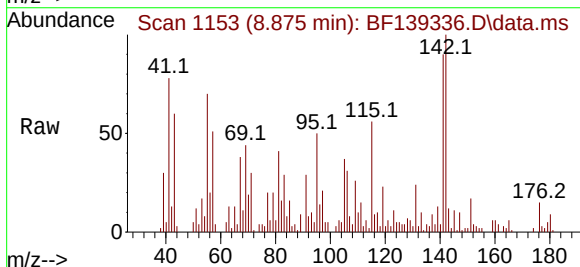
Acq: 11 Sep 2024 20:01

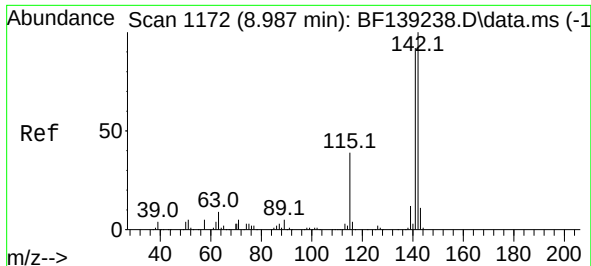
Tgt Ion:142 Resp: 17419

Ion Ratio Lower Upper

142 100

141 90.1 71.6 107.4





#38

1-Methylnaphthalene

Concen: 2.235 ng

RT: 8.975 min Scan# 1170

Delta R.T. -0.012 min

Lab File: BF139336.D

Acq: 11 Sep 2024 20:01

Instrument :

BNA_F

ClientSampleId :

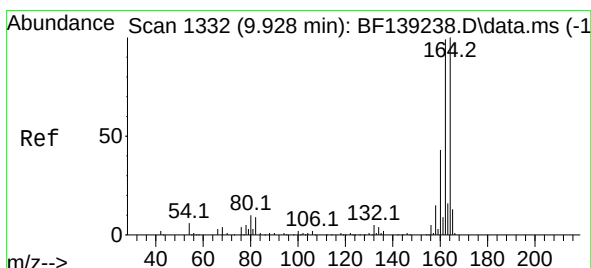
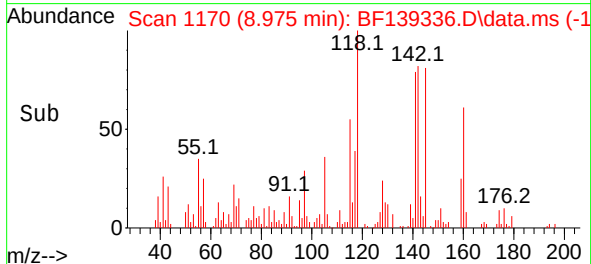
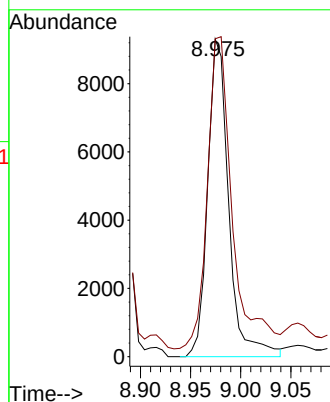
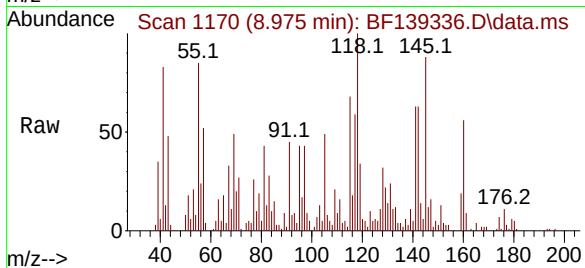
NB-07091024

Tgt Ion:142 Resp: 13527

Ion Ratio Lower Upper

142 100

141 100.1 73.5 110.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.006 min

Lab File: BF139336.D

Acq: 11 Sep 2024 20:01

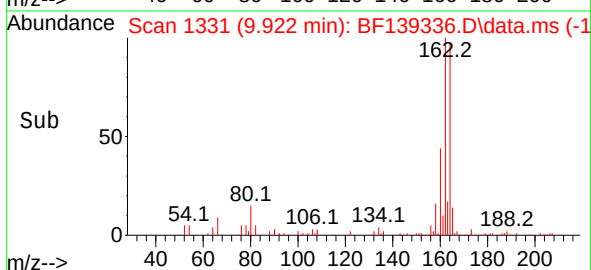
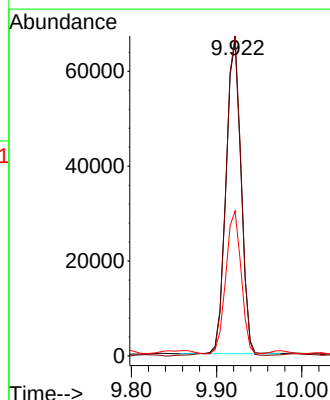
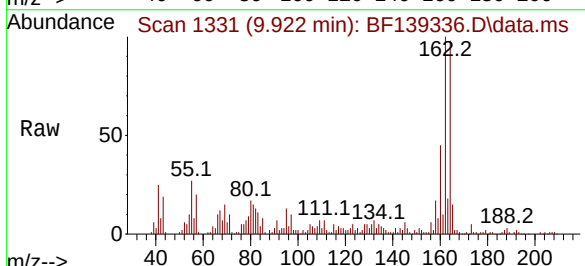
Tgt Ion:164 Resp: 81133

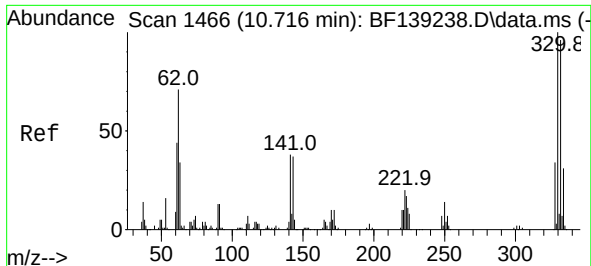
Ion Ratio Lower Upper

164 100

162 101.8 79.2 118.8

160 46.1 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 38.162 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF139336.D

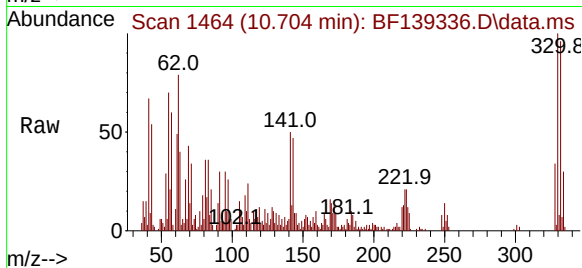
Acq: 11 Sep 2024 20:01

Instrument :

BNA_F

ClientSampleId :

NB-07091024



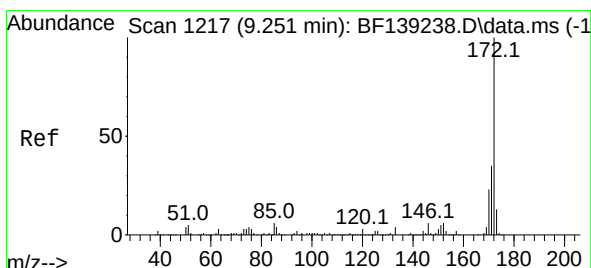
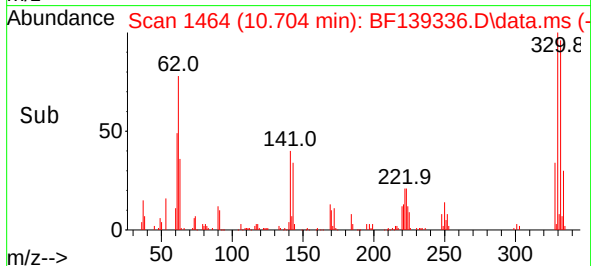
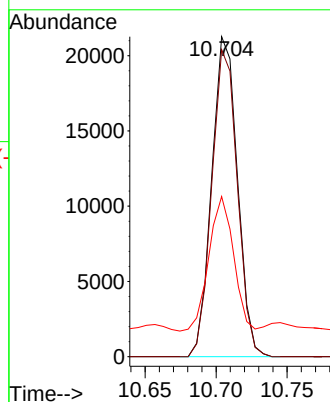
Tgt Ion:330 Resp: 26736

Ion Ratio Lower Upper

330 100

332 95.6 76.6 115.0

141 40.5 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 33.877 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF139336.D

Acq: 11 Sep 2024 20:01

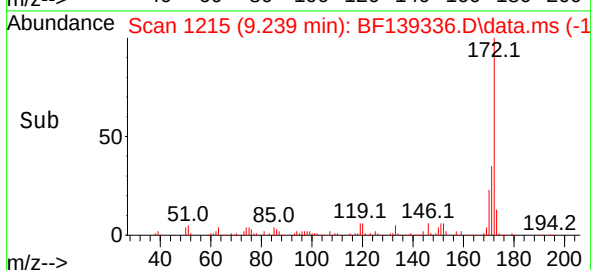
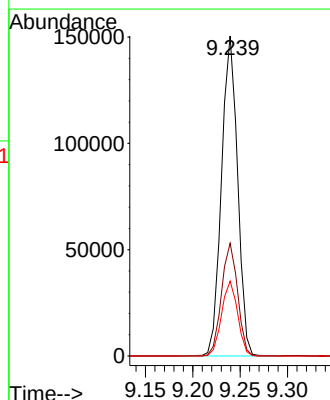
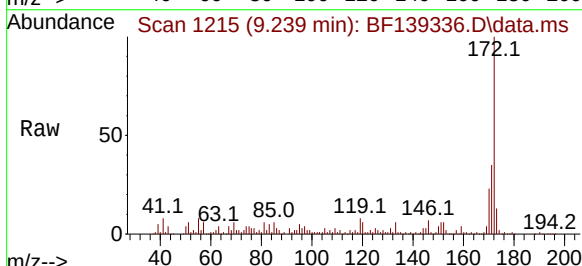
Tgt Ion:172 Resp: 178055

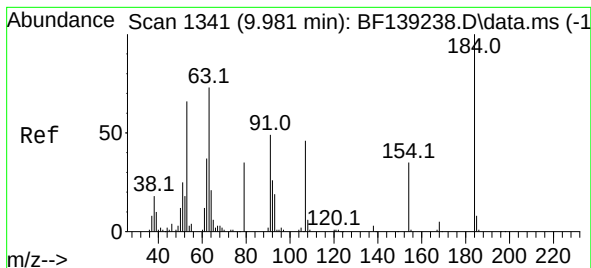
Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.4 18.7 28.1





#54

2,4-Dinitrophenol

Concen: 7.812 ng

RT: 10.139 min Scan# 1368

Delta R.T. 0.158 min

Lab File: BF139336.D

Acq: 11 Sep 2024 20:01

Instrument :

BNA_F

ClientSampleId :

NB-07091024

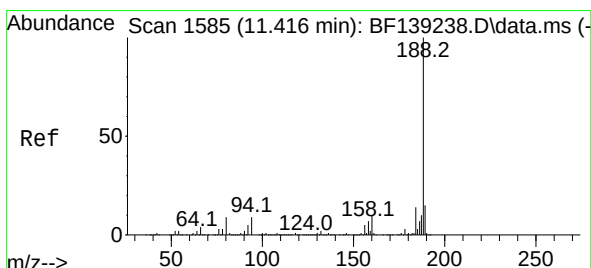
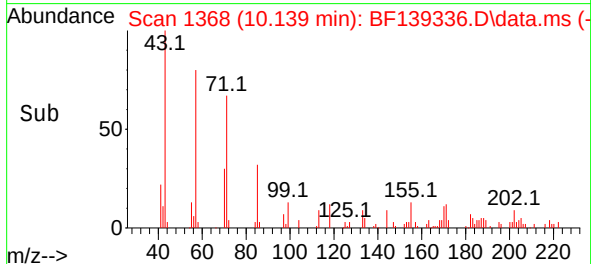
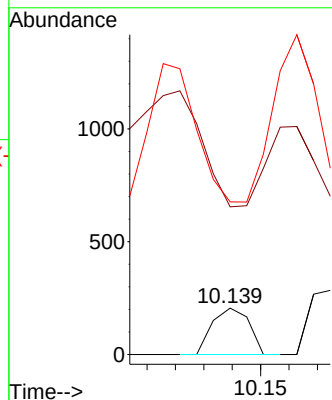
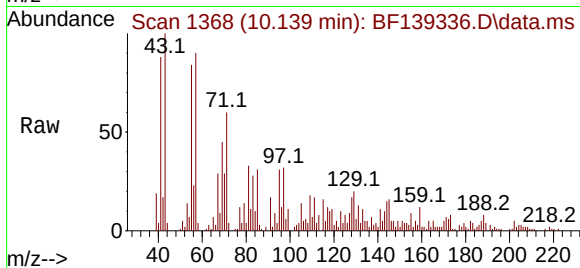
Tgt Ion:184 Resp: 185

Ion Ratio Lower Upper

184 100

63 318.0 66.4 99.6#

154 328.6 97.0 145.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BF139336.D

Acq: 11 Sep 2024 20:01

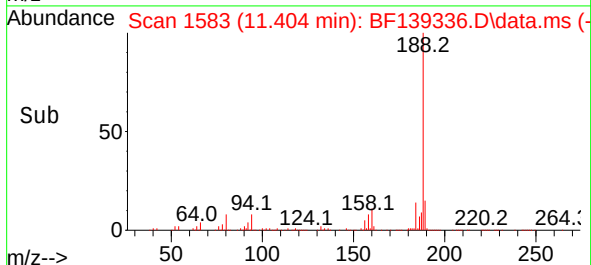
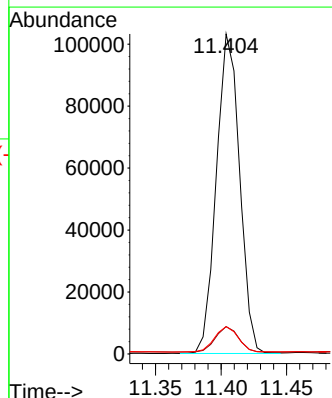
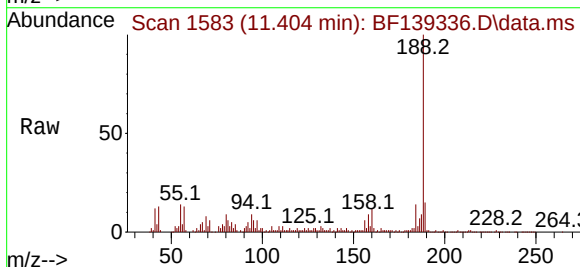
Tgt Ion:188 Resp: 127051

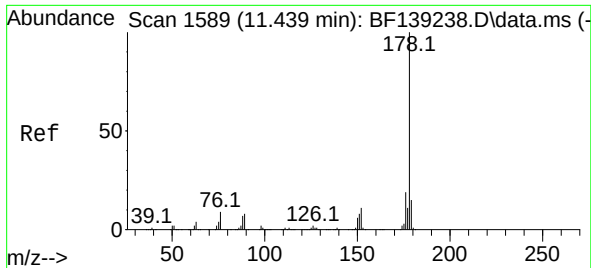
Ion Ratio Lower Upper

188 100

94 8.5 7.0 10.4

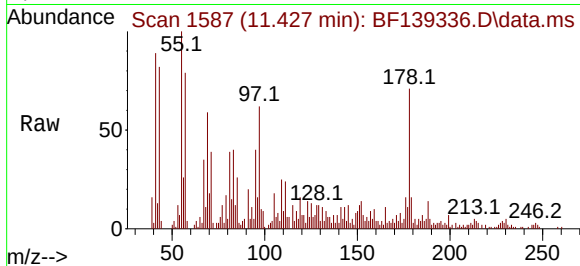
80 8.6 7.3 10.9



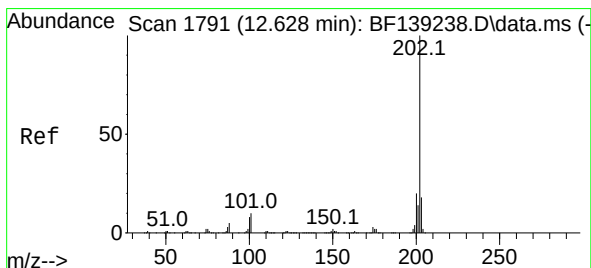
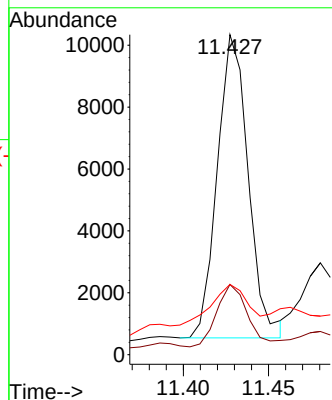
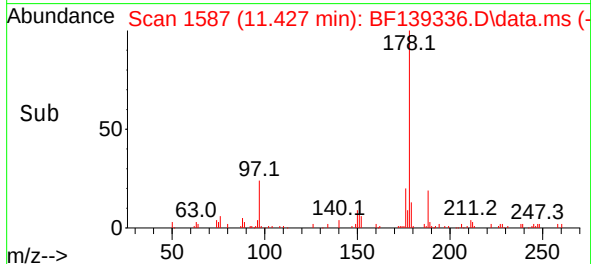


#71
Phenanthrene
Concen: 2.083 ng
RT: 11.427 min Scan# 11427
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

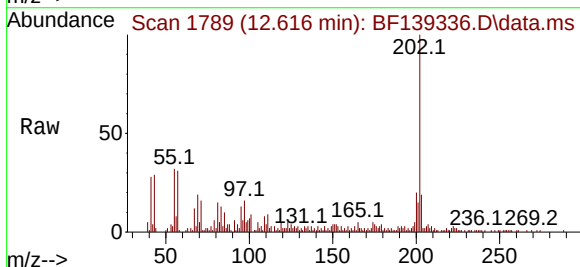
Instrument :
BNA_F
ClientSampleId :
NB-07091024



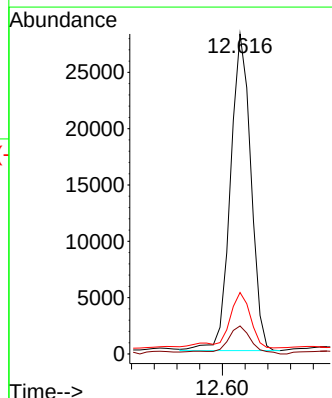
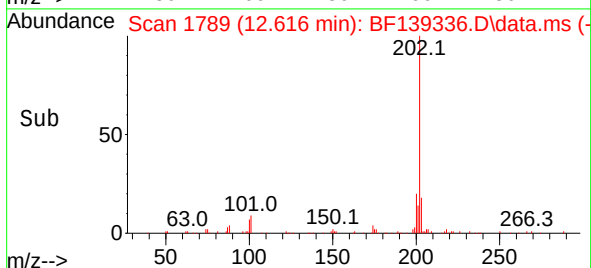
Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.9	15.4	23.0
179	21.9	12.3	18.5

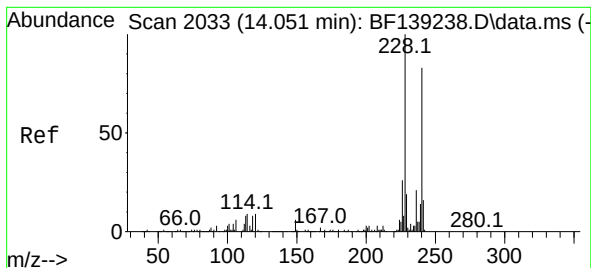


#75
Fluoranthene
Concen: 5.907 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01



Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	29.9
203	19.2	0.0	37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF139336.D

Acq: 11 Sep 2024 20:01

Instrument :

BNA_F

ClientSampleId :

NB-07091024

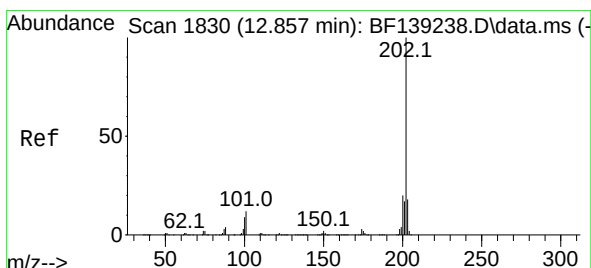
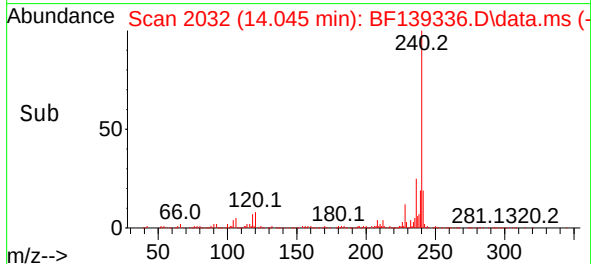
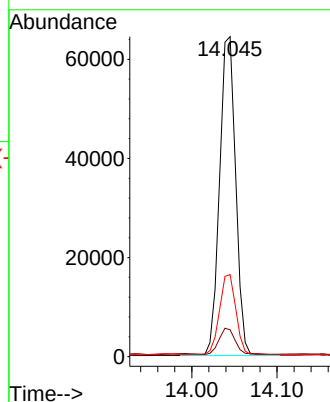
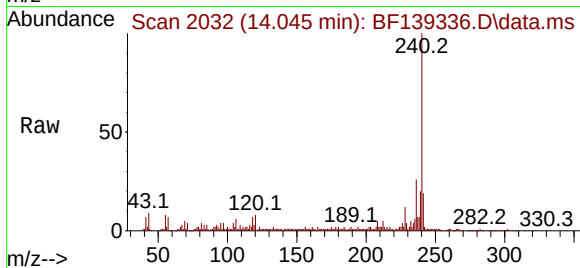
Tgt Ion:240 Resp: 84506

Ion Ratio Lower Upper

240 100

120 8.4 8.6 12.8#

236 25.7 20.7 31.1



#78

Pyrene

Concen: 4.610 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.012 min

Lab File: BF139336.D

Acq: 11 Sep 2024 20:01

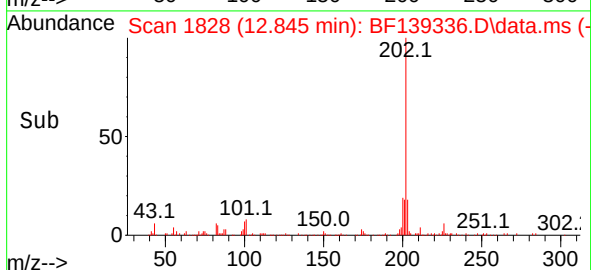
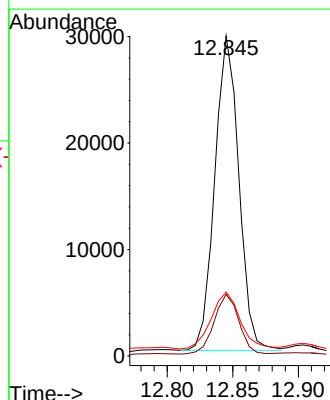
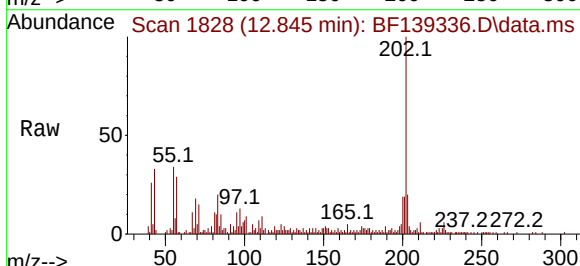
Tgt Ion:202 Resp: 37631

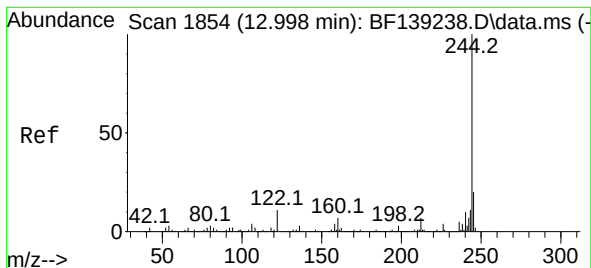
Ion Ratio Lower Upper

202 100

200 19.3 15.8 23.8

203 20.0 14.1 21.1





#79

Terphenyl-d14

Concen: 28.386 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.012 min

Lab File: BF139336.D

Acq: 11 Sep 2024 20:01

Instrument :

BNA_F

ClientSampleId :

NB-07091024

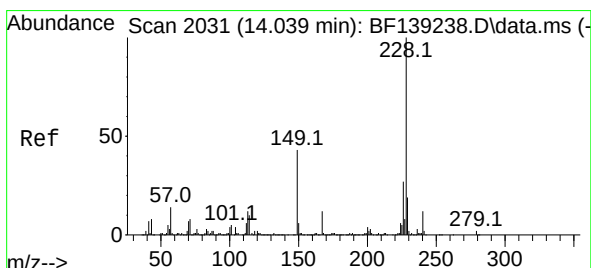
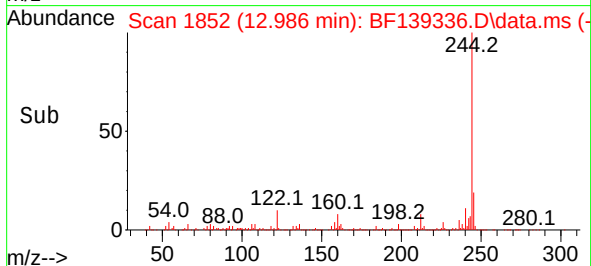
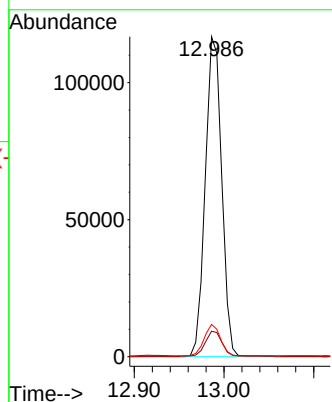
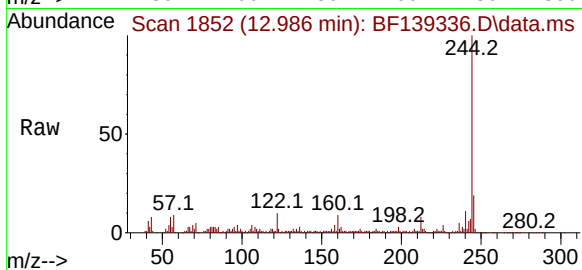
Tgt Ion:244 Resp: 148571

Ion Ratio Lower Upper

244 100

212 7.9 5.9 8.9

122 10.1 8.7 13.1



#81

Benzo(a)anthracene

Concen: 4.442 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139336.D

Acq: 11 Sep 2024 20:01

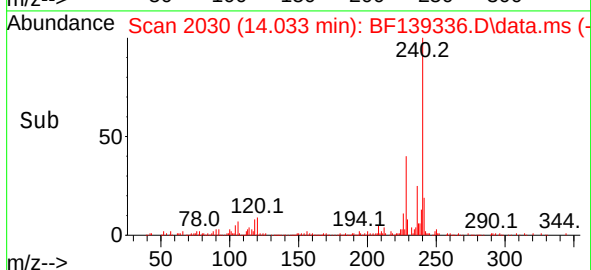
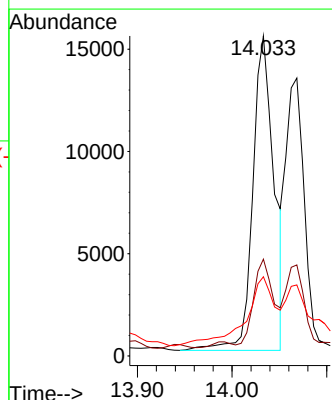
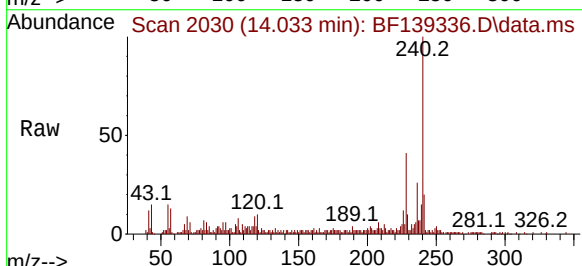
Tgt Ion:228 Resp: 23969

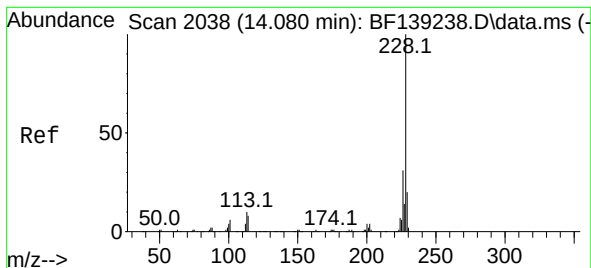
Ion Ratio Lower Upper

228 100

226 30.2 21.5 32.3

229 24.8 15.6 23.4#





#83

Chrysene

Concen: 3.510 ng

RT: 14.068 min Scan# 2038

Delta R.T. -0.012 min

Lab File: BF139336.D

Acq: 11 Sep 2024 20:01

Instrument :

BNA_F

ClientSampleId :

NB-07091024

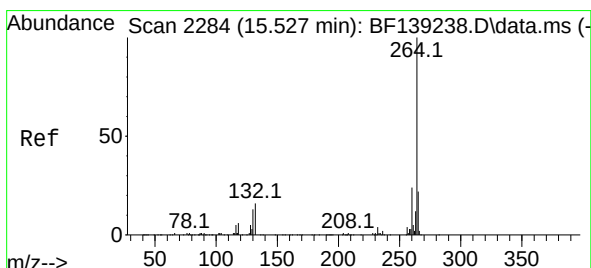
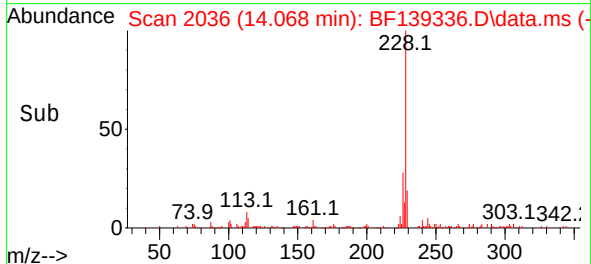
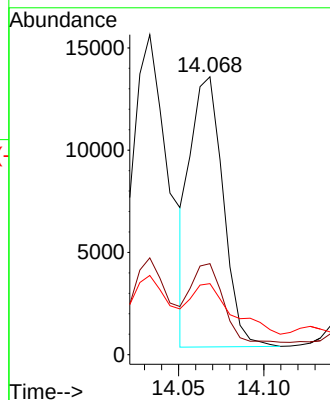
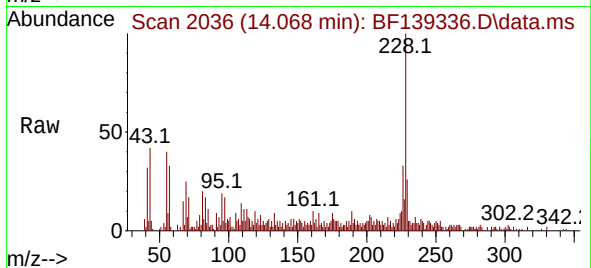
Tgt Ion:228 Resp: 17679

Ion Ratio Lower Upper

228 100

226 32.7 23.8 35.8

229 25.6 15.8 23.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2282

Delta R.T. -0.012 min

Lab File: BF139336.D

Acq: 11 Sep 2024 20:01

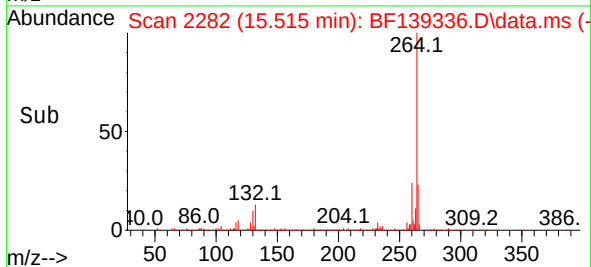
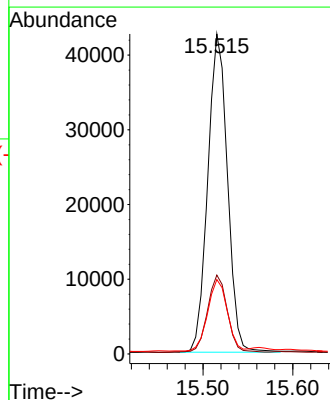
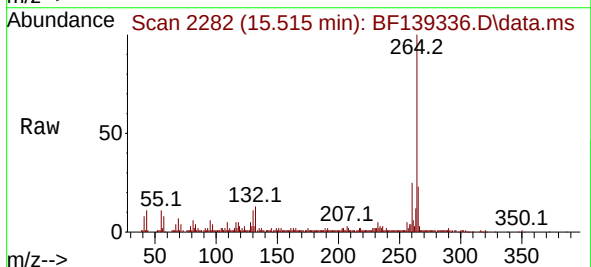
Tgt Ion:264 Resp: 64985

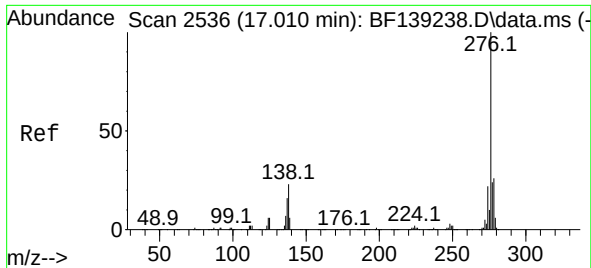
Ion Ratio Lower Upper

264 100

260 24.7 18.8 28.2

265 23.3 17.3 25.9

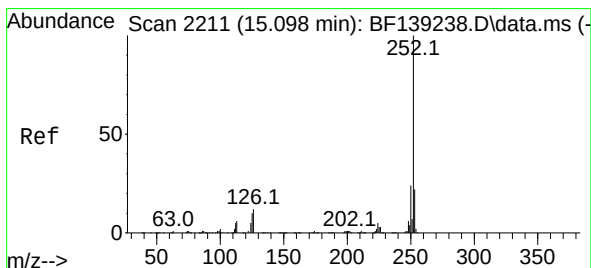
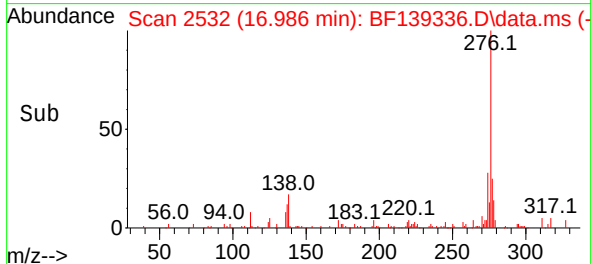
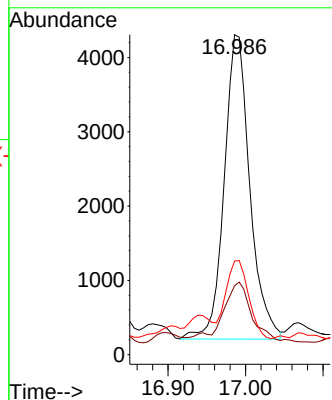
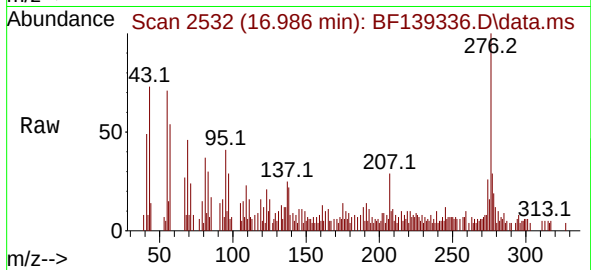




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.327 ng
RT: 16.986 min Scan# 2109
Delta R.T. -0.024 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

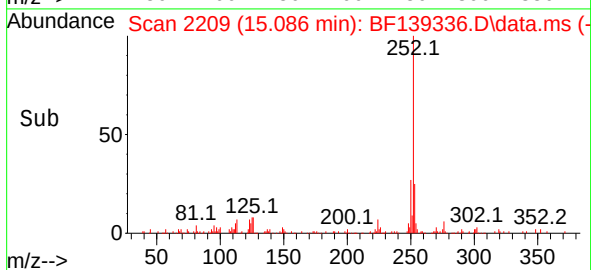
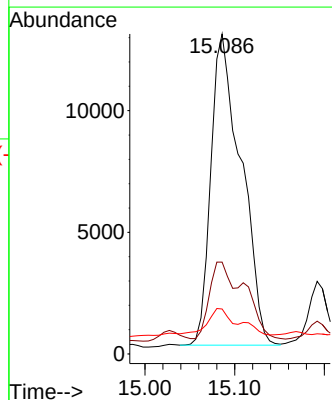
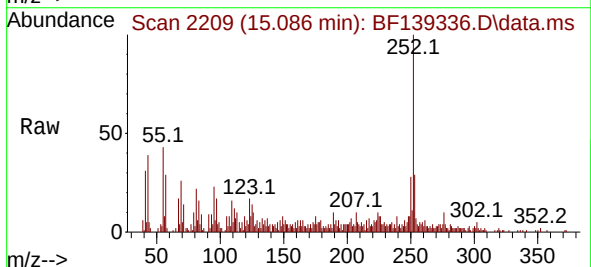
Instrument :
BNA_F
ClientSampleId :
NB-07091024

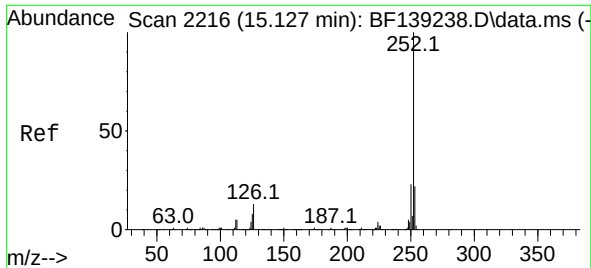
Tgt Ion:276 Resp: 9446
Ion Ratio Lower Upper
276 100
138 22.8 20.4 30.6
277 22.5 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 7.996 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.012 min
Lab File: BF139336.D
Acq: 11 Sep 2024 20:01

Tgt Ion:252 Resp: 29925
Ion Ratio Lower Upper
252 100
253 28.7 17.6 26.4#
125 14.1 7.6 11.4#





#89

Benzo(k)fluoranthene

Concen: 8.918 ng

RT: 15.086 min Scan# 2216

Delta R.T. -0.041 min

Lab File: BF139336.D

Acq: 11 Sep 2024 20:01

Instrument :

BNA_F

ClientSampleId :

NB-07091024

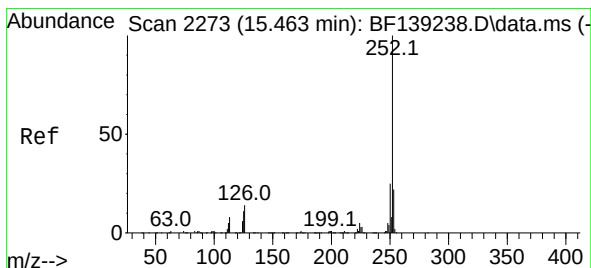
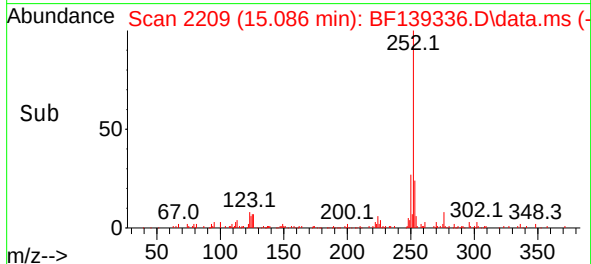
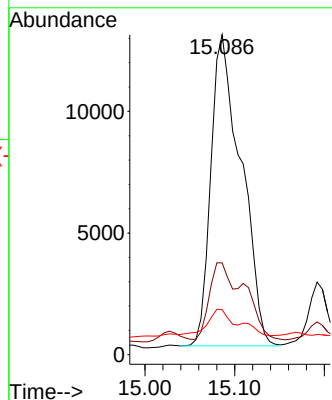
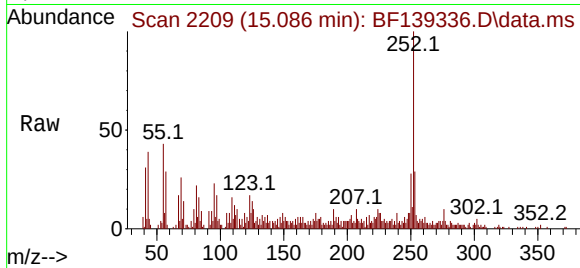
Tgt Ion:252 Resp: 29925

Ion Ratio Lower Upper

252 100

253 28.7 17.6 26.4#

125 14.1 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 5.074 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF139336.D

Acq: 11 Sep 2024 20:01

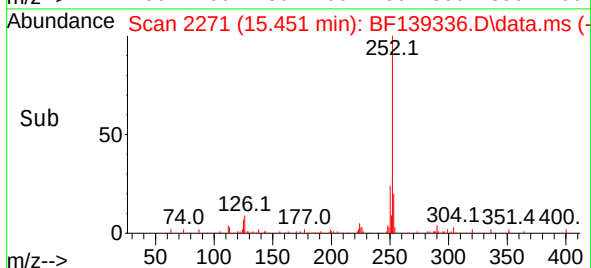
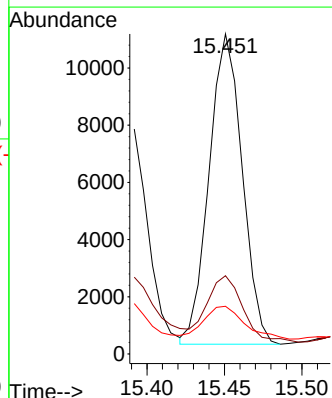
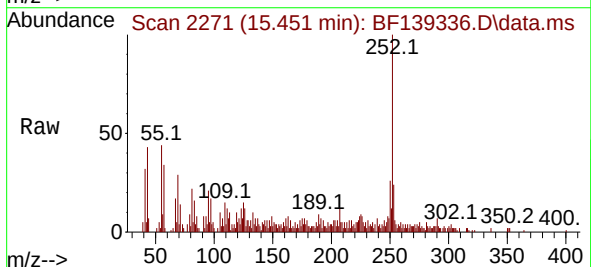
Tgt Ion:252 Resp: 16124

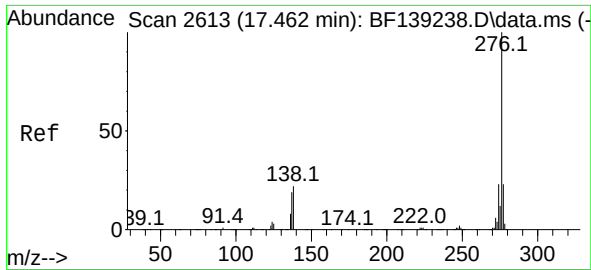
Ion Ratio Lower Upper

252 100

253 24.5 17.5 26.3

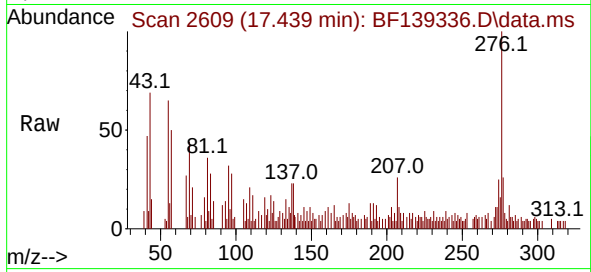
125 14.9 8.6 13.0#





#92
 Benzo(g,h,i)perylene
 Concen: 3.005 ng
 RT: 17.439 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF139336.D
 Acq: 11 Sep 2024 20:01

Instrument :
 BNA_F
 ClientSampleId :
 NB-07091024



Tgt Ion:	276	Resp:	10376
Ion Ratio	Lower	Upper	
276	100		
277	25.5	18.6	27.8
138	22.8	17.4	26.0

