

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092024\
 Data File : BF139501.D
 Acq On : 20 Sep 2024 14:57
 Operator : RC/JU
 Sample : P4126-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-09192024

Quant Time: Sep 20 15:29:10 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)

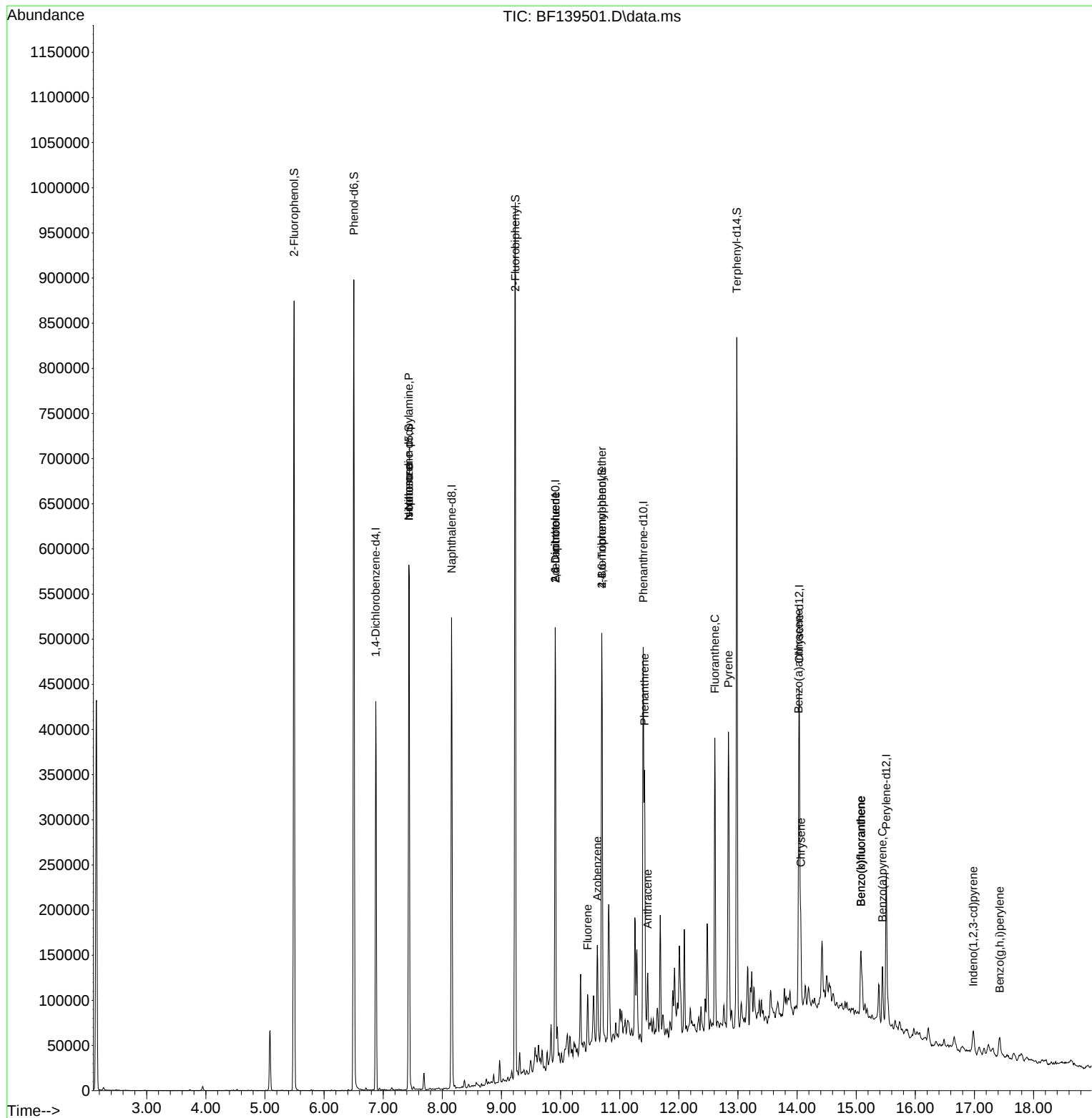
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	83075	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	300614	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	135928	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	214390	20.000	ng	0.00
76) Chrysene-d12	14.039	240	130672	20.000	ng	0.00
86) Perylene-d12	15.509	264	97548	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	279478	54.881	ng	0.00
7) Phenol-d6	6.504	99	373455	55.872	ng	0.00
23) Nitrobenzene-d5	7.434	82	246091	38.485	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	65478	45.247	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	418729	43.205	ng	0.00
79) Terphenyl-d14	12.980	244	349398	43.888	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	33821	8.539	ng	# 76
25) Isophorone	7.434	82	245092	24.235	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	18803	9.514	ng	# 16
57) 2,4-Dinitrotoluene	9.910	165	18803	7.047	ng	# 17
58) Fluorene	10.457	166	21609	2.313	ng	97
63) Azobenzene	10.622	77	26724	2.951	ng	# 2
67) 4-Bromophenyl-phenylether	10.698	248	4405	2.073	ng	# 1
71) Phenanthrene	11.422	178	144557	13.976	ng	100
72) Anthracene	11.474	178	36000	3.560	ng	100
75) Fluoranthene	12.610	202	178897	16.196	ng	99
78) Pyrene	12.839	202	182242	16.243	ng	98
81) Benzo(a)anthracene	14.027	228	67796	7.833	ng	95
83) Chrysene	14.063	228	53838	6.761	ng	98
87) Indeno(1,2,3-cd)pyrene	16.980	276	20761	3.579	ng	94
88) Benzo(b)fluoranthene	15.080	252	64342	10.695	ng	# 96
89) Benzo(k)fluoranthene	15.080	252	64342	11.599	ng	# 95
90) Benzo(a)pyrene	15.445	252	36079	7.231	ng	# 95
92) Benzo(g,h,i)perylene	17.427	276	20105	4.236	ng	# 95

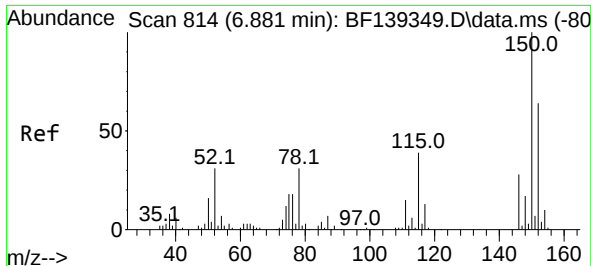
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092024\
Data File : BF139501.D
Acq On : 20 Sep 2024 14:57
Operator : RC/JU
Sample : P4126-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-09192024

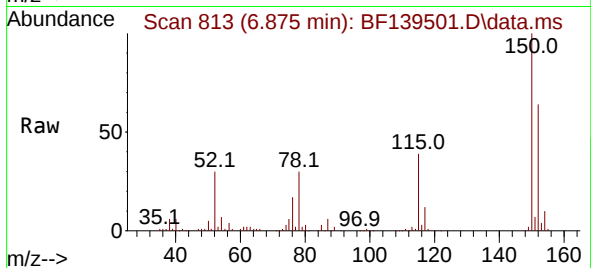
Quant Time: Sep 20 15:29:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration



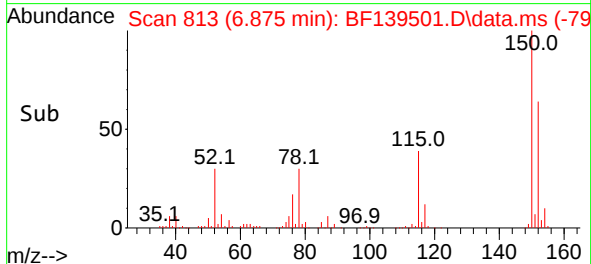
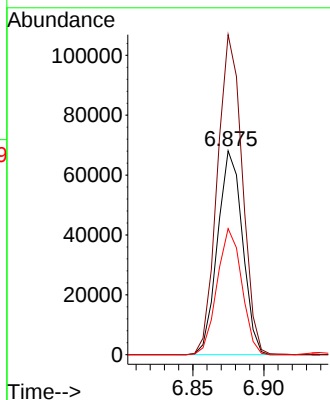


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

Instrument :
BNA_F
ClientSampleId :
NB-08-09192024

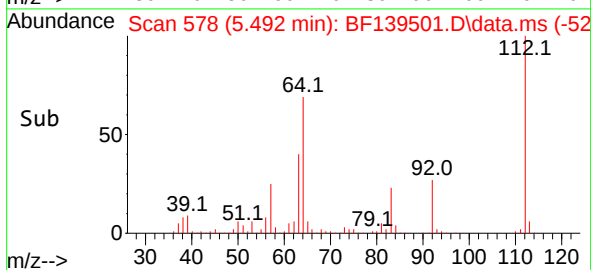
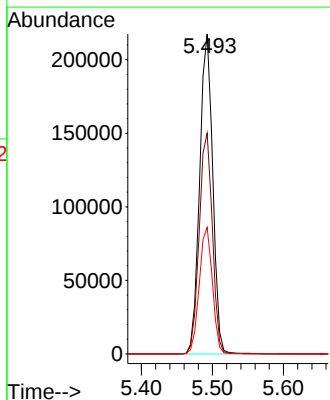
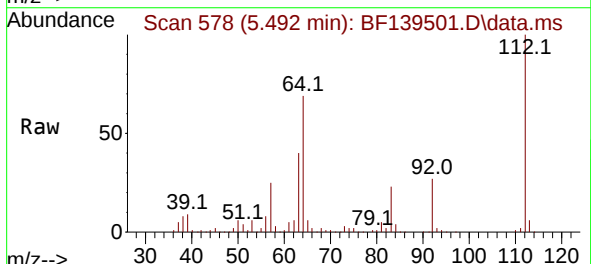


Tgt Ion:152 Resp: 83075
Ion Ratio Lower Upper
152 100
150 157.0 124.1 186.1
115 61.9 48.1 72.1



#5
2-Fluorophenol
Concen: 54.881 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.001 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

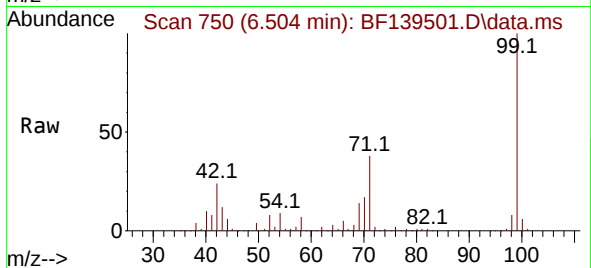
Tgt Ion:112 Resp: 279478
Ion Ratio Lower Upper
112 100
64 69.0 54.8 82.2
63 39.5 33.0 49.4



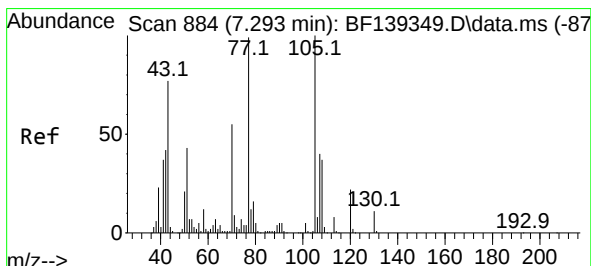
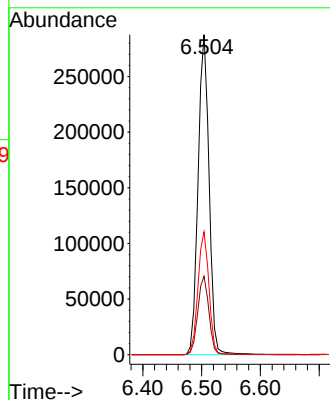
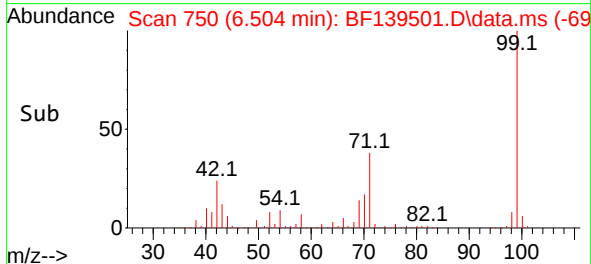


#7
Phenol-d6
Concen: 55.872 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

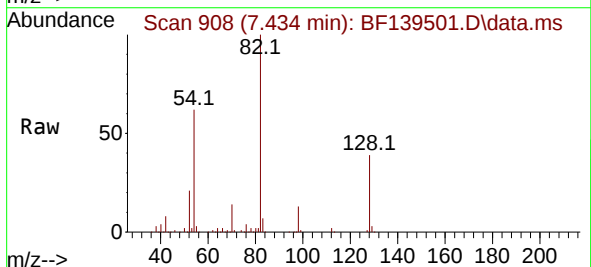
Instrument :
BNA_F
ClientSampleId :
NB-08-09192024



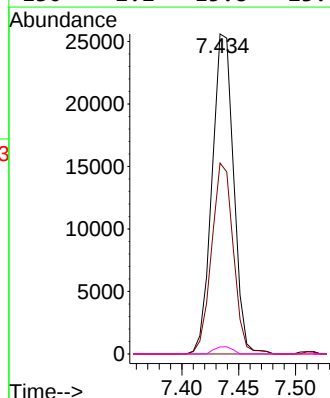
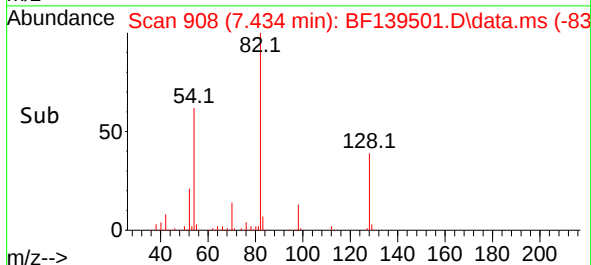
Tgt Ion: 99 Resp: 373455
Ion Ratio Lower Upper
99 100
42 24.5 21.9 32.9
71 38.4 34.6 52.0

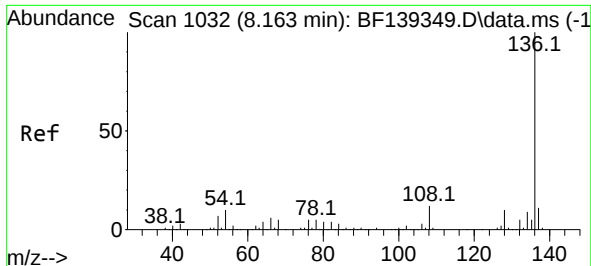


#19
n-Nitroso-di-n-propylamine
Concen: 8.539 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57



Tgt Ion: 70 Resp: 33821
Ion Ratio Lower Upper
70 100
42 59.7 61.2 91.8#
101 0.0 7.5 11.3#
130 2.2 15.8 23.8#

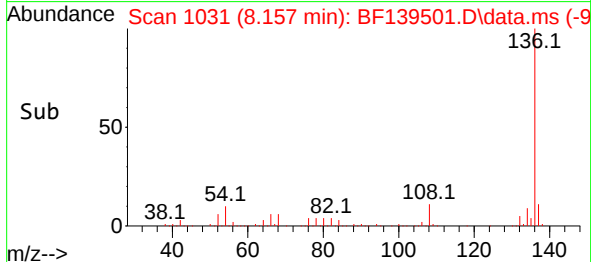
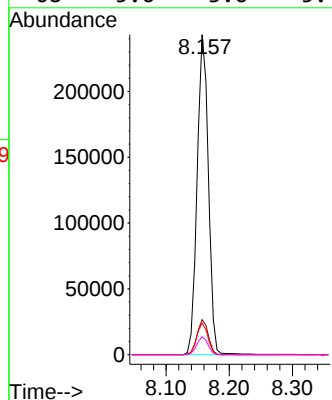
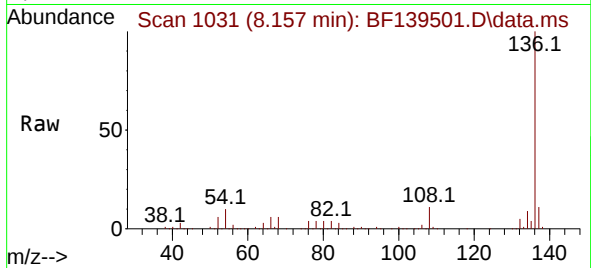




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

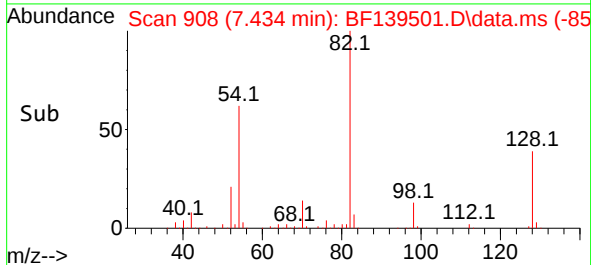
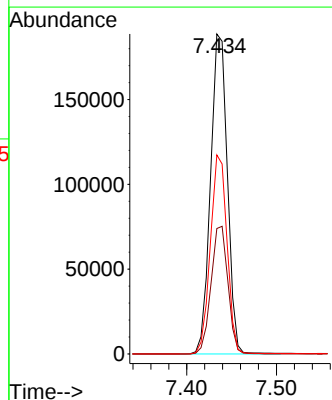
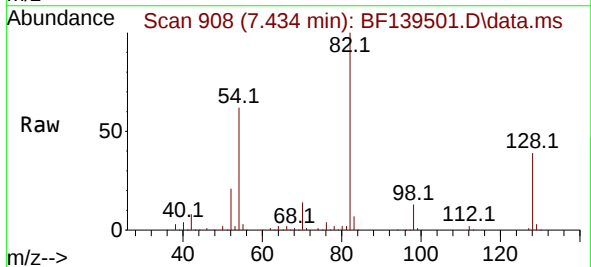
Instrument :
BNA_F
ClientSampleId :
NB-08-09192024

Tgt Ion:	136	Resp:	300614
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	12.8
54	9.9	7.8	11.8
68	5.6	3.6	5.4



#23
Nitrobenzene-d5
Concen: 38.485 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

Tgt Ion:	82	Resp:	246091
Ion Ratio	Lower	Upper	
82	100		
128	39.2	31.8	47.6
54	62.2	50.6	75.8

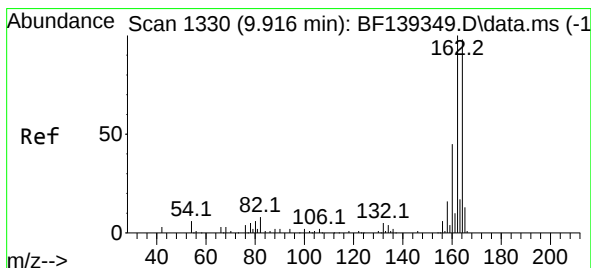
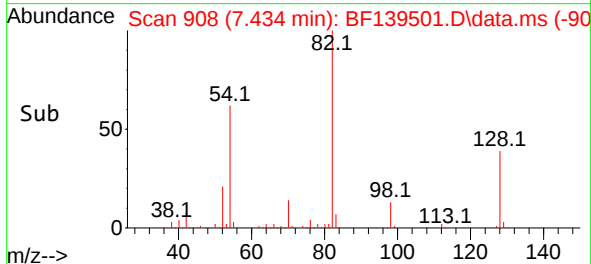
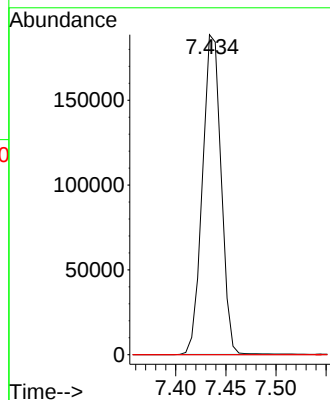
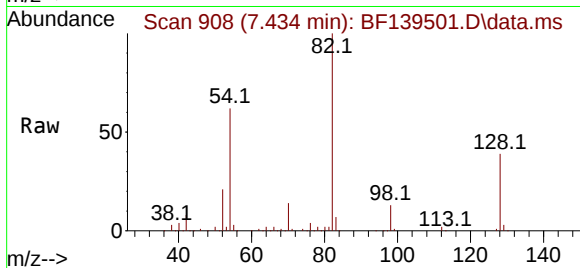




#25
Isophorone
Concen: 24.235 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

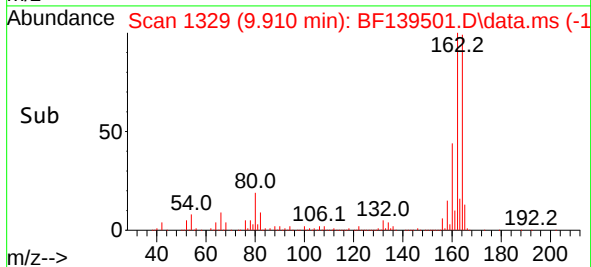
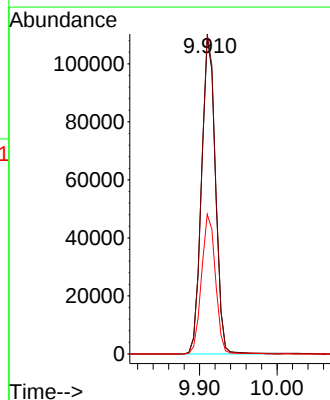
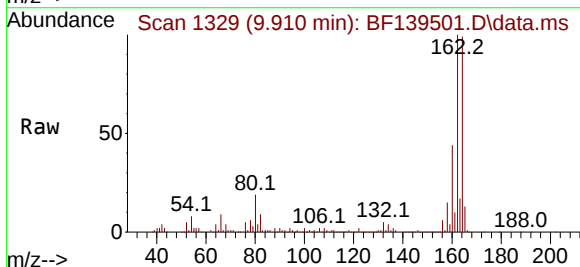
Instrument :
BNA_F
ClientSampleId :
NB-08-09192024

Tgt Ion: 82 Resp: 245092
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: BF139501.D
Acq: 20 Sep 2024 14:57

Tgt Ion: 164 Resp: 135928
Ion Ratio Lower Upper
164 100
162 101.2 81.3 121.9
160 44.2 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 45.247 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF139501.D

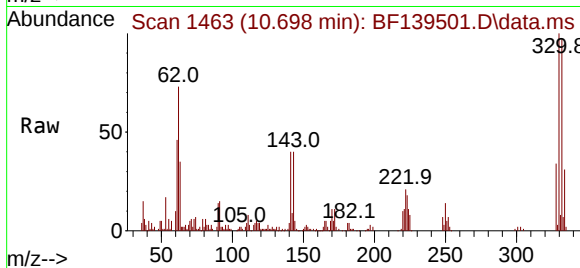
Acq: 20 Sep 2024 14:57

Instrument :

BNA_F

ClientSampleId :

NB-08-09192024



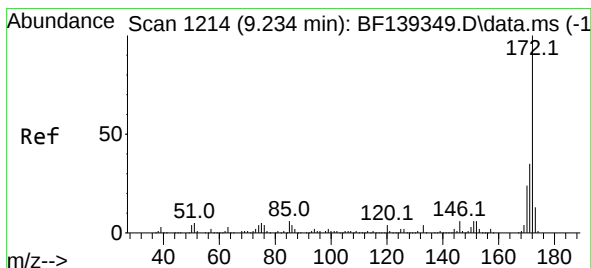
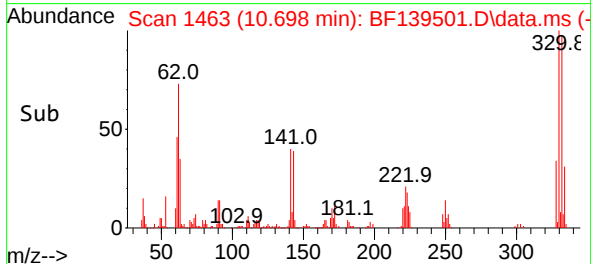
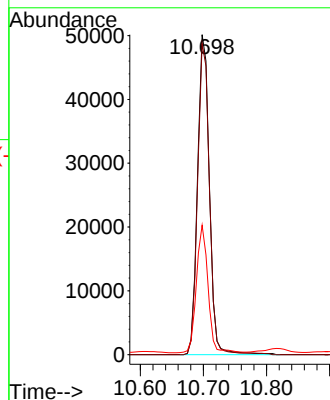
Tgt Ion:330 Resp: 65478

Ion Ratio Lower Upper

330 100

332 96.2 75.2 112.8

141 38.9 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 43.205 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

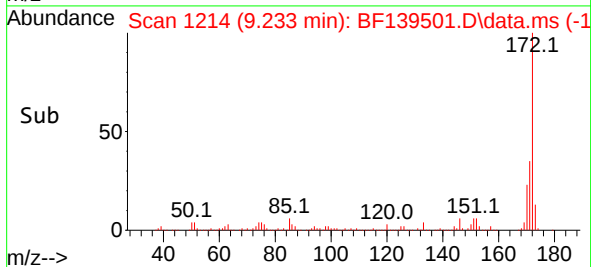
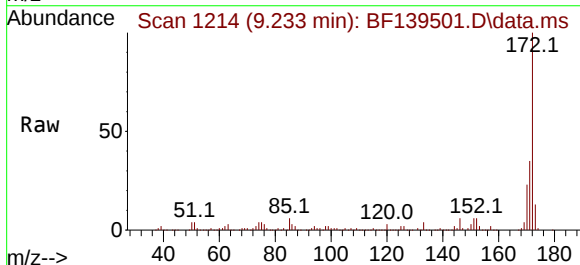
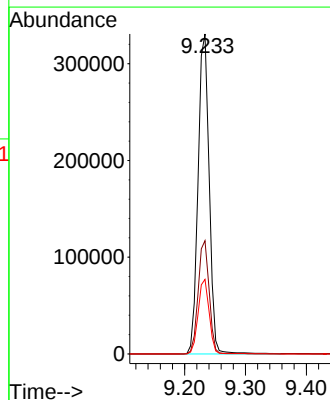
Tgt Ion:172 Resp: 418729

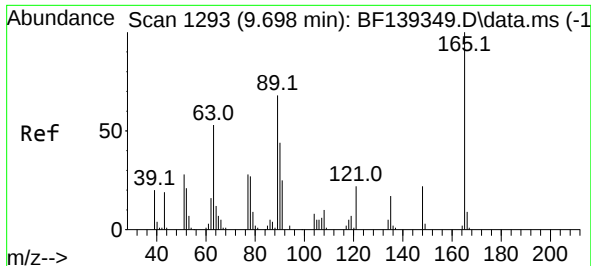
Ion Ratio Lower Upper

172 100

171 35.4 28.3 42.5

170 23.3 19.0 28.6

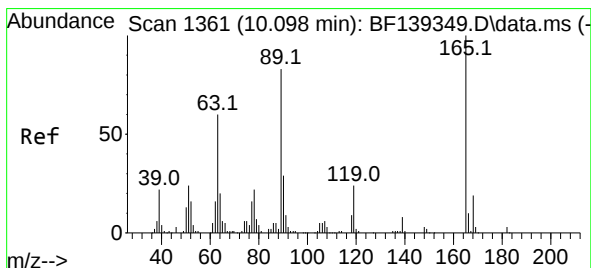
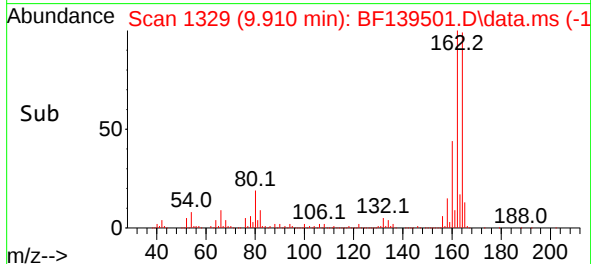
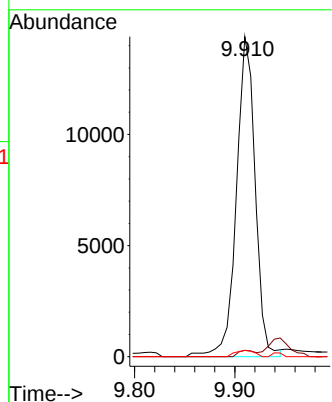
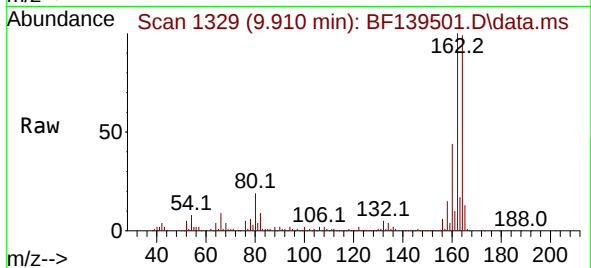




#51
2,6-Dinitrotoluene
Concen: 9.514 ng
RT: 9.910 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

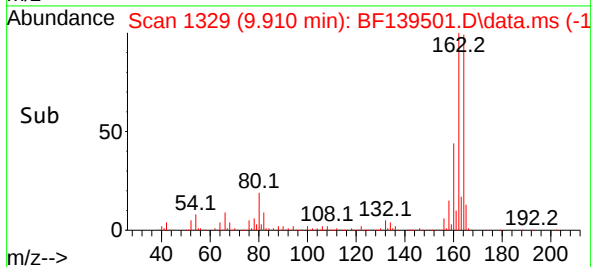
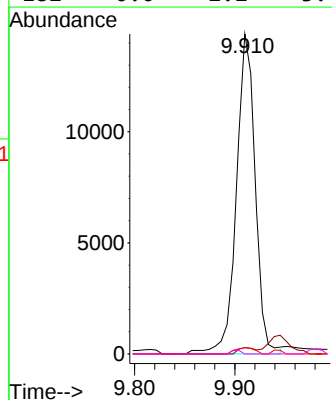
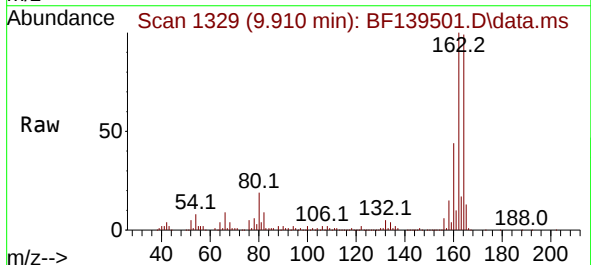
Instrument :
BNA_F
ClientSampleId :
NB-08-09192024

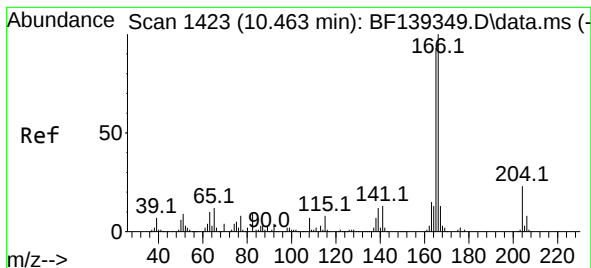
Tgt Ion:165 Resp: 18803
Ion Ratio Lower Upper
165 100
63 2.0 60.9 91.3#
89 2.0 54.7 82.1#



#57
2,4-Dinitrotoluene
Concen: 7.047 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

Tgt Ion:165 Resp: 18803
Ion Ratio Lower Upper
165 100
63 2.0 47.8 71.6#
89 2.0 66.7 100.1#
182 0.0 2.2 3.4#





#58

Fluorene

Concen: 2.313 ng

RT: 10.457 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

Instrument :

BNA_F

ClientSampleId :

NB-08-09192024

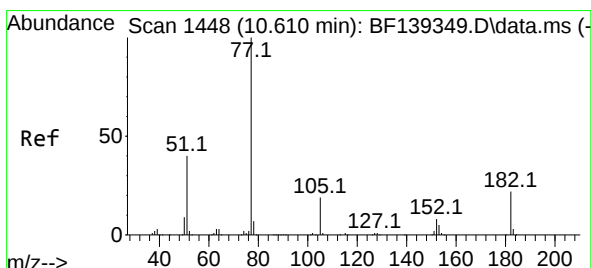
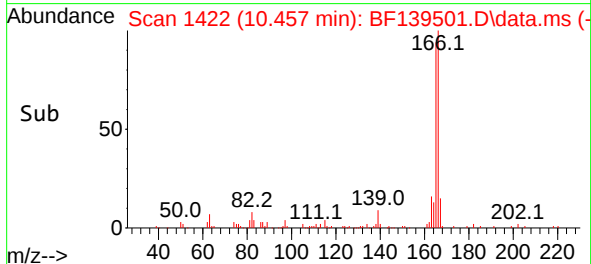
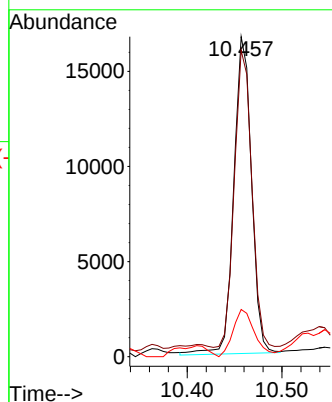
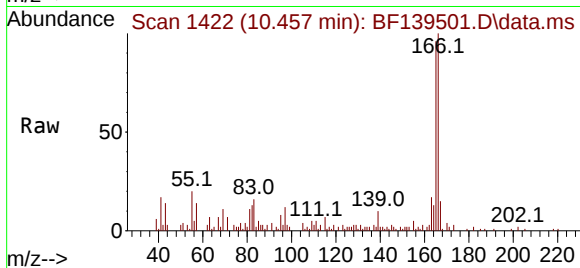
Tgt Ion:166 Resp: 21609

Ion Ratio Lower Upper

166 100

165 95.7 74.5 111.7

167 14.7 10.6 16.0



#63

Azobenzene

Concen: 2.951 ng

RT: 10.622 min Scan# 1450

Delta R.T. 0.012 min

Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

Tgt Ion: 77 Resp: 26724

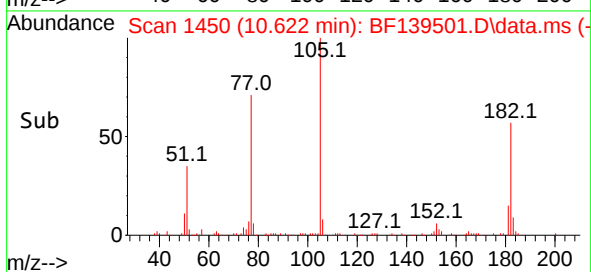
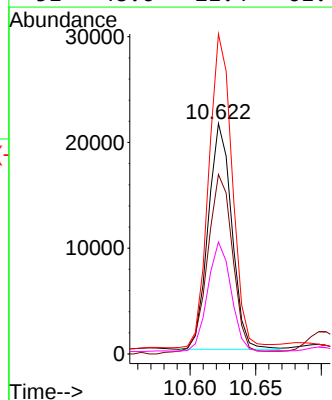
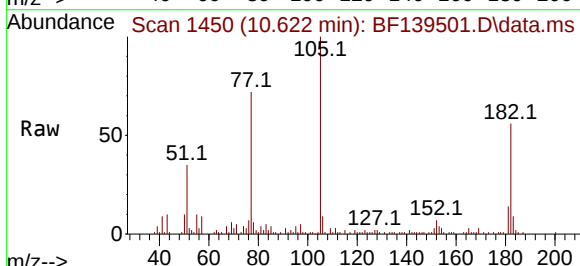
Ion Ratio Lower Upper

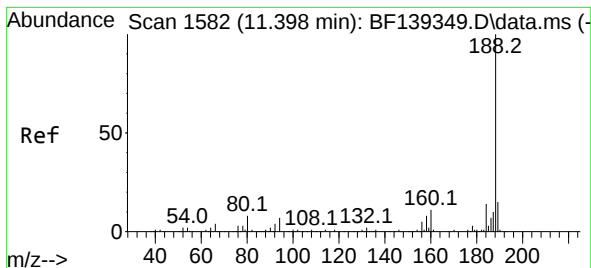
77 100

182 77.9 1.8 41.8#

105 138.8 0.0 38.6#

51 48.6 21.4 61.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

Instrument :

BNA_F

ClientSampleId :

NB-08-09192024

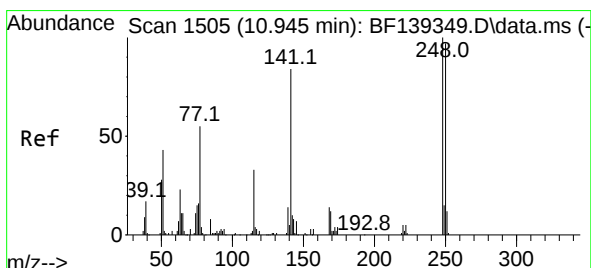
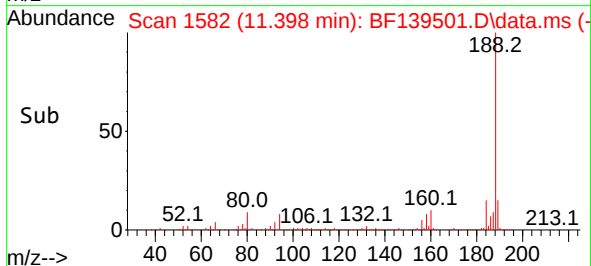
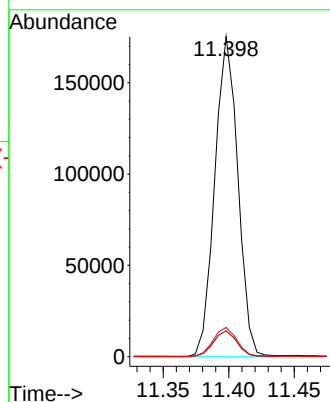
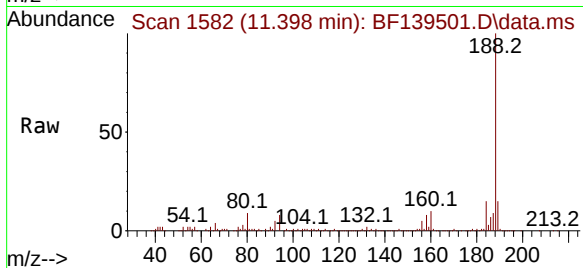
Tgt Ion:188 Resp: 214390

Ion Ratio Lower Upper

188 100

94 8.1 5.5 8.3

80 9.1 6.6 9.8



#67

4-Bromophenyl-phenylether

Concen: 2.073 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

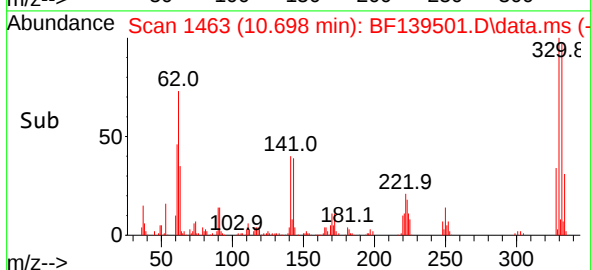
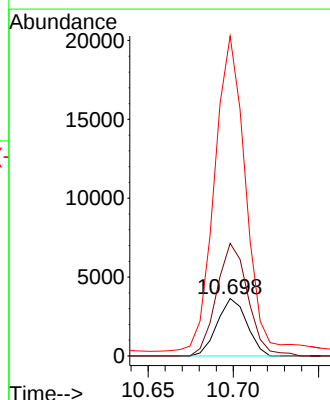
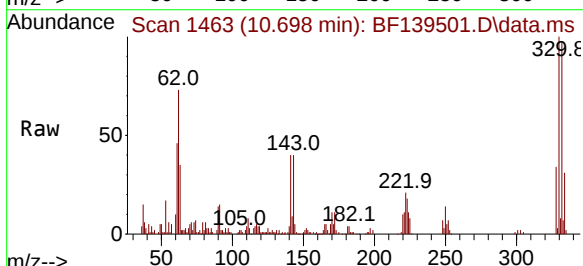
Tgt Ion:248 Resp: 4405

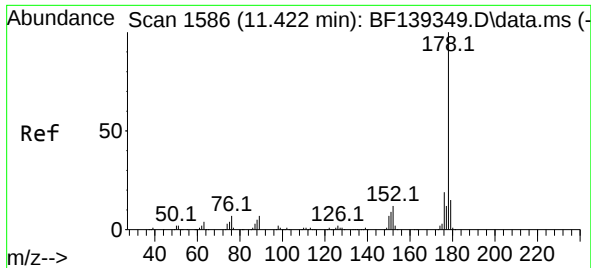
Ion Ratio Lower Upper

248 100

250 196.1 77.6 116.4#

141 557.1 66.9 100.3#

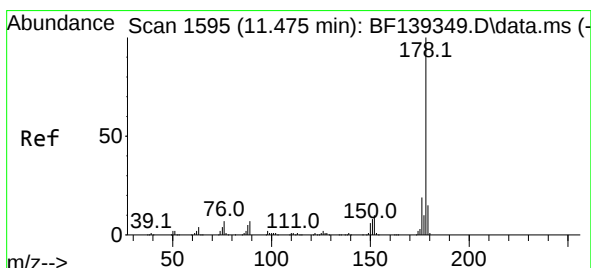
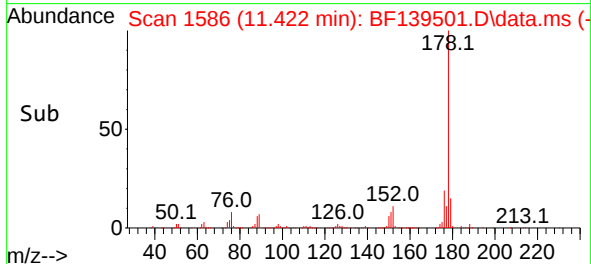
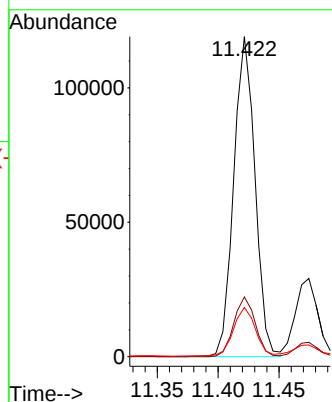
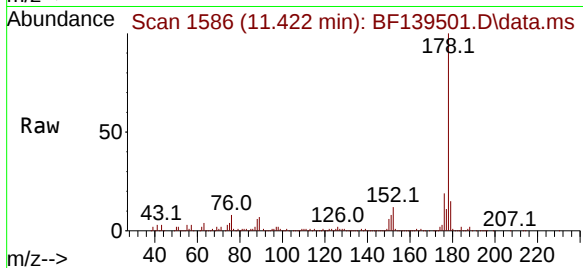




#71
Phenanthrene
Concen: 13.976 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

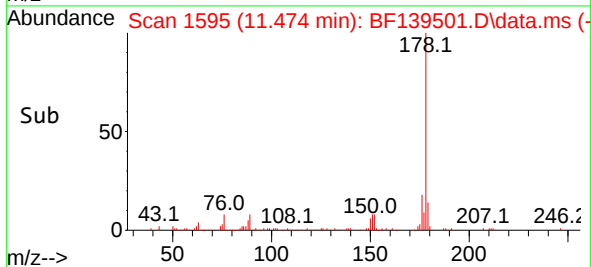
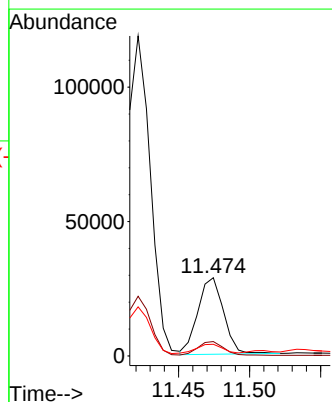
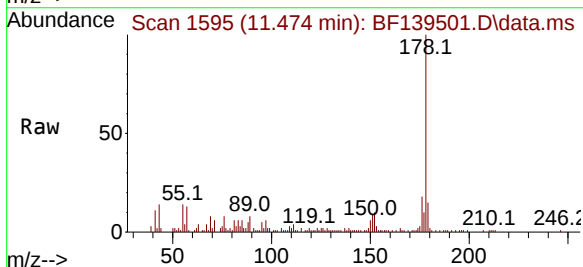
Instrument :
BNA_F
ClientSampleId :
NB-08-09192024

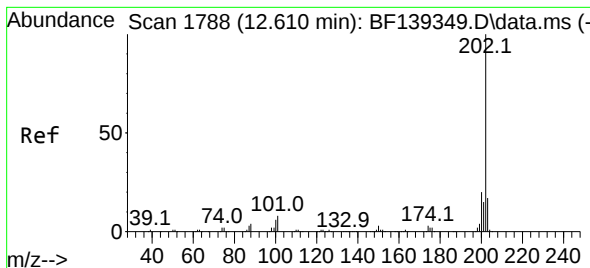
Tgt Ion:178 Resp: 144557
Ion Ratio Lower Upper
178 100
176 18.7 15.2 22.8
179 15.3 12.2 18.4



#72
Anthracene
Concen: 3.560 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

Tgt Ion:178 Resp: 36000
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 15.0 12.0 18.0





#75

Fluoranthene

Concen: 16.196 ng

RT: 12.610 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

Instrument :

BNA_F

ClientSampleId :

NB-08-09192024

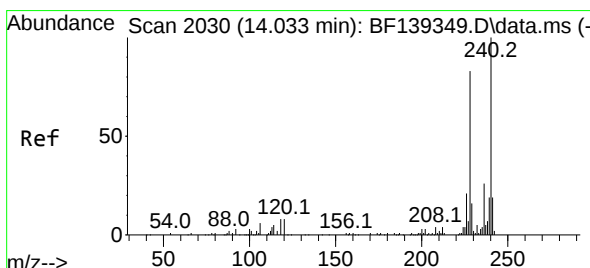
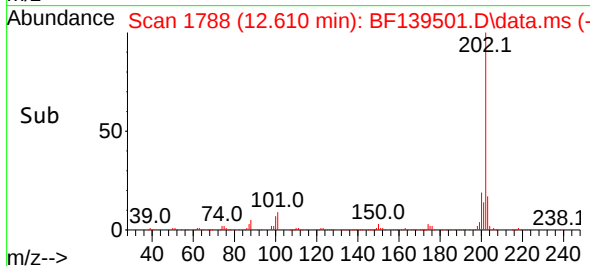
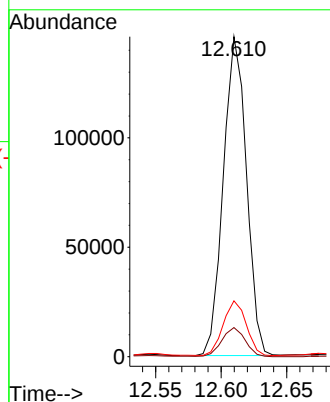
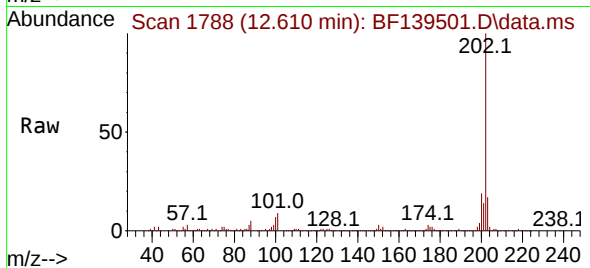
Tgt Ion:202 Resp: 178897

Ion Ratio Lower Upper

202 100

101 9.1 0.0 27.7

203 17.4 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.006 min

Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

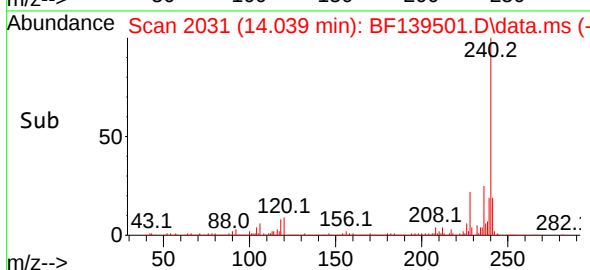
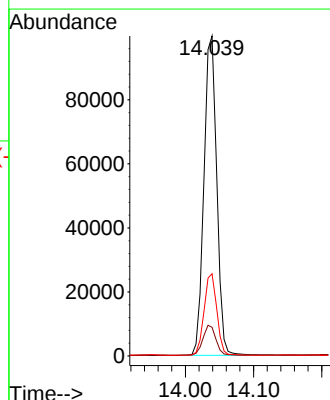
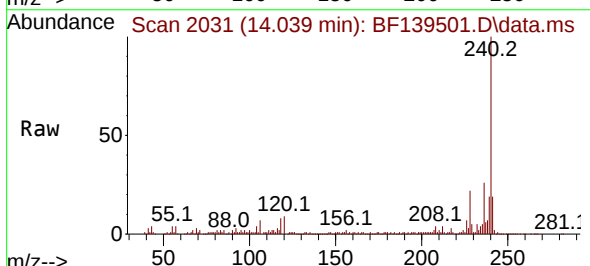
Tgt Ion:240 Resp: 130672

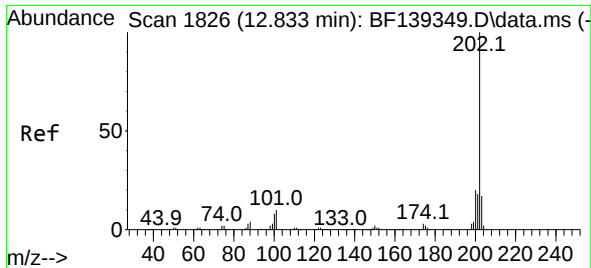
Ion Ratio Lower Upper

240 100

120 9.0 6.2 9.2

236 25.7 20.9 31.3

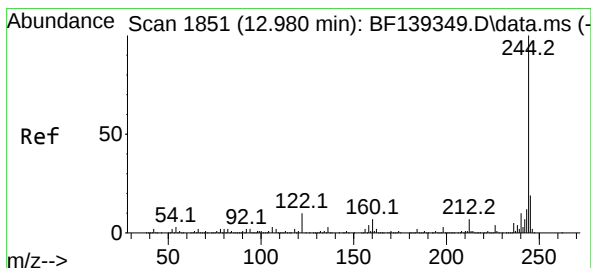
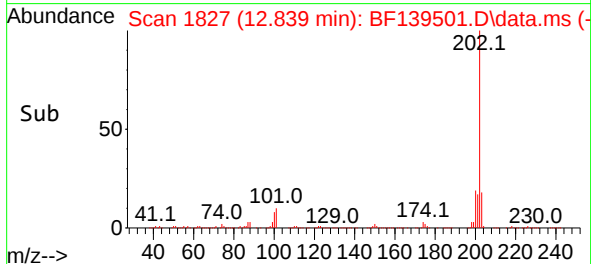
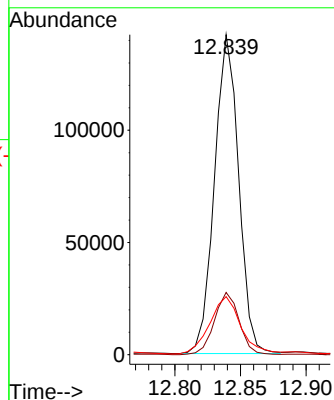
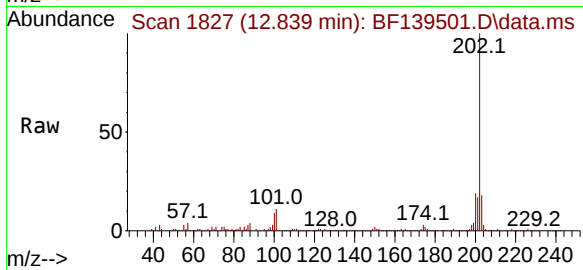




#78
 Pyrene
 Concen: 16.243 ng
 RT: 12.839 min Scan# 1826
 Delta R.T. 0.006 min
 Lab File: BF139501.D
 Acq: 20 Sep 2024 14:57

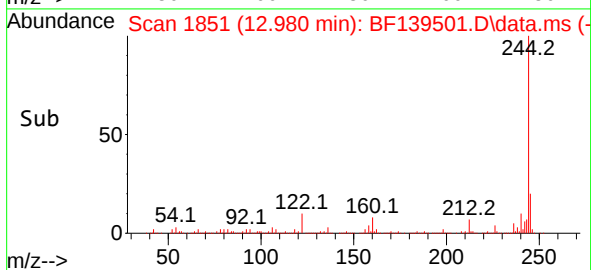
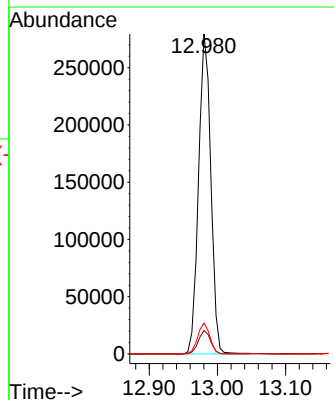
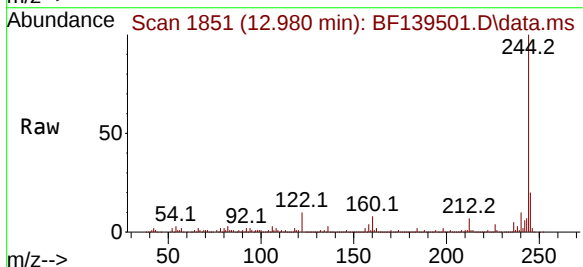
Instrument :
 BNA_F
 ClientSampleId :
 NB-08-09192024

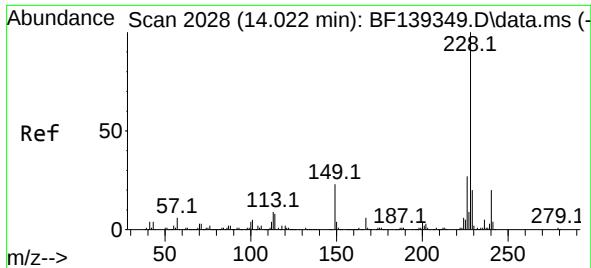
Tgt Ion:202 Resp: 182242
 Ion Ratio Lower Upper
 202 100
 200 19.5 16.2 24.2
 203 18.1 13.9 20.9



#79
 Terphenyl-d14
 Concen: 43.888 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.000 min
 Lab File: BF139501.D
 Acq: 20 Sep 2024 14:57

Tgt Ion:244 Resp: 349398
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 9.6 7.6 11.4

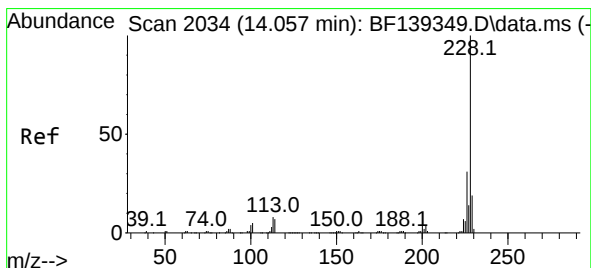
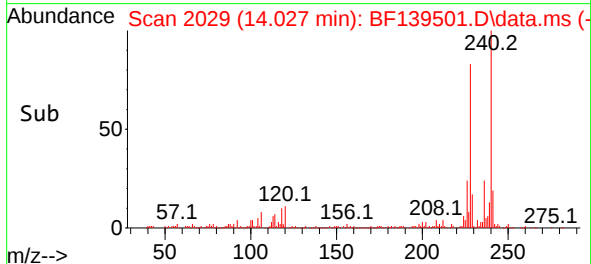
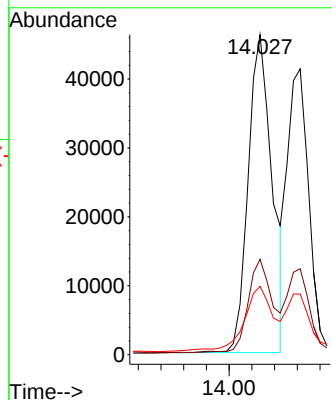
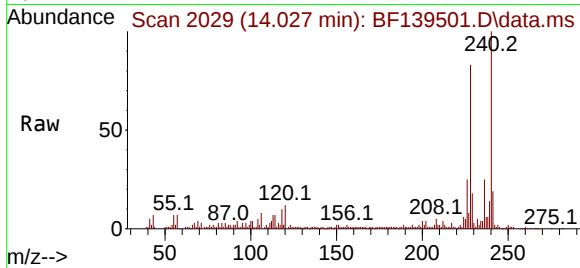




#81
Benzo(a)anthracene
Concen: 7.833 ng
RT: 14.027 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

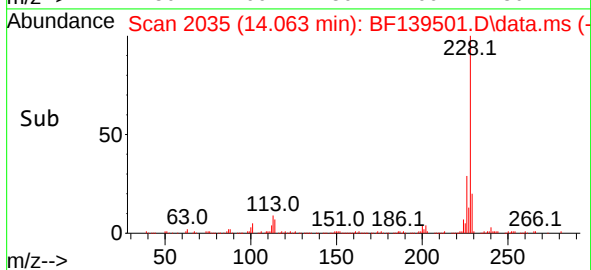
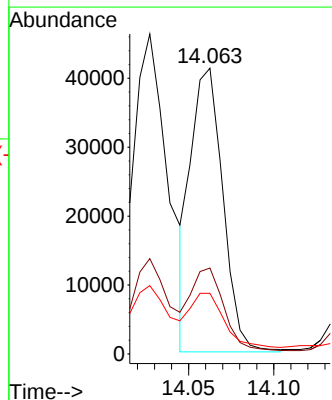
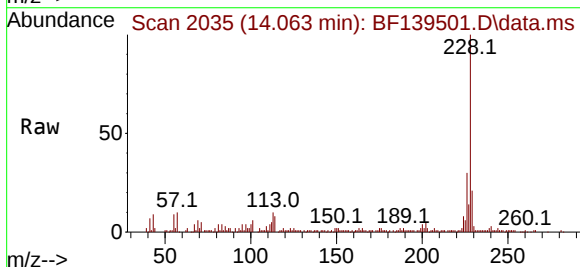
Instrument :
BNA_F
ClientSampleId :
NB-08-09192024

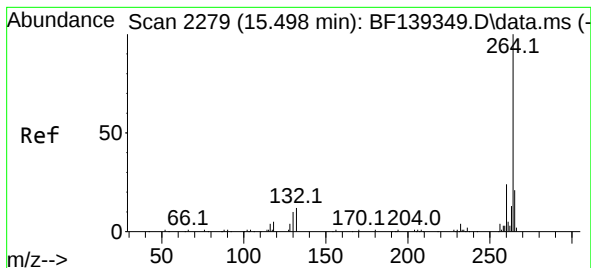
Tgt Ion:228 Resp: 67796
Ion Ratio Lower Upper
228 100
226 29.8 21.6 32.4
229 21.3 15.7 23.5



#83
Chrysene
Concen: 6.761 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF139501.D
Acq: 20 Sep 2024 14:57

Tgt Ion:228 Resp: 53838
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 21.2 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

Instrument :

BNA_F

ClientSampleId :

NB-08-09192024

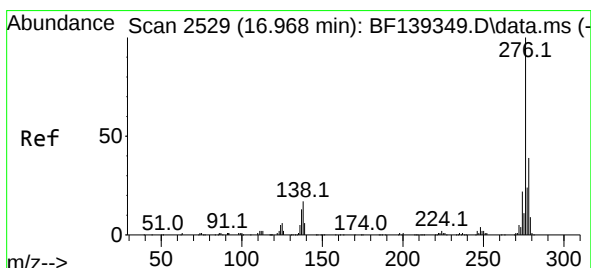
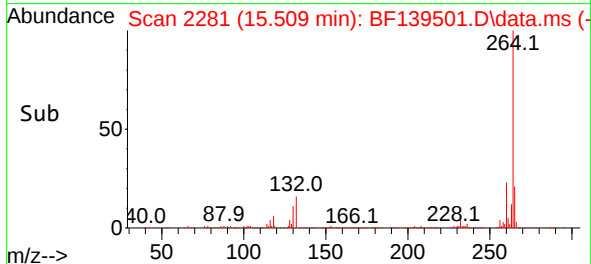
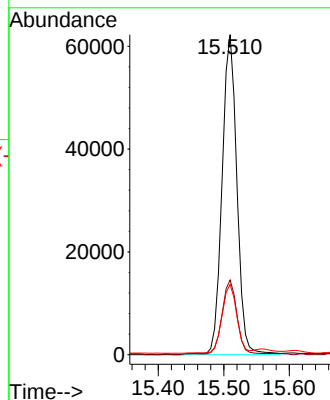
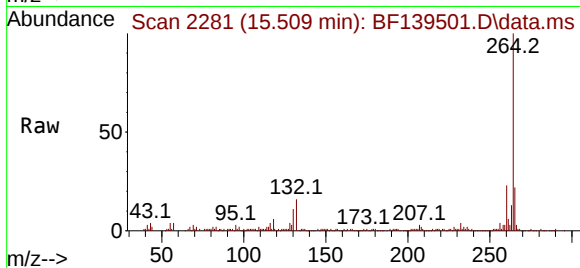
Tgt Ion:264 Resp: 97548

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 21.9 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.579 ng

RT: 16.980 min Scan# 2531

Delta R.T. 0.012 min

Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

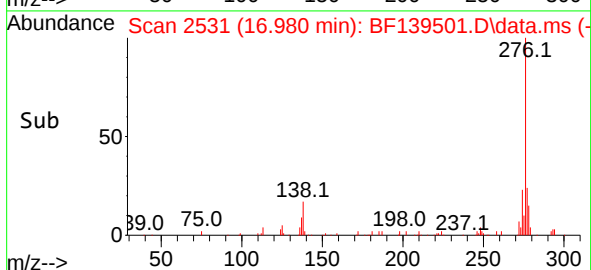
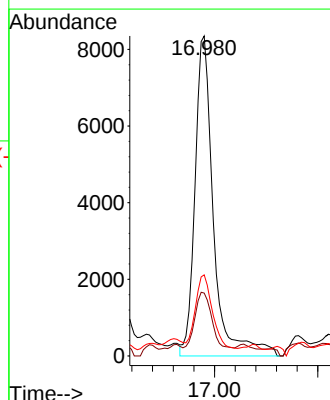
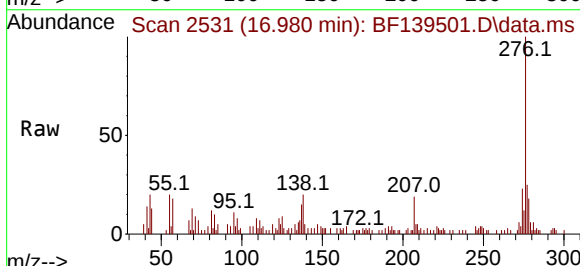
Tgt Ion:276 Resp: 20761

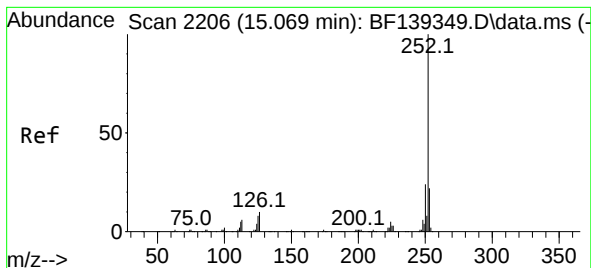
Ion Ratio Lower Upper

276 100

138 17.4 15.4 23.2

277 21.6 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 10.695 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.012 min

Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

Instrument :

BNA_F

ClientSampleId :

NB-08-09192024

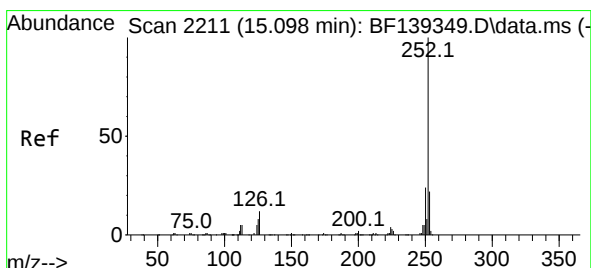
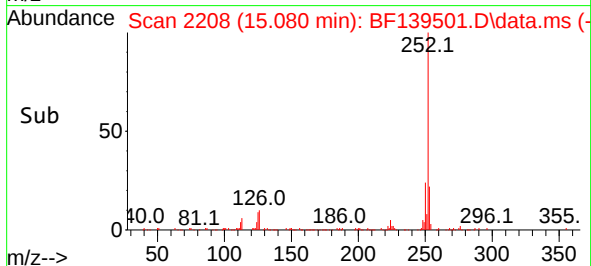
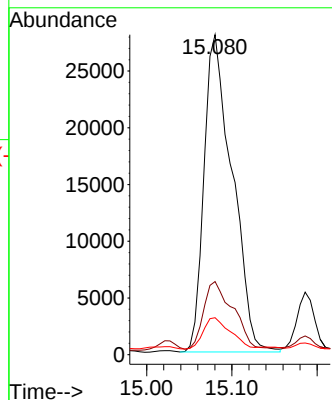
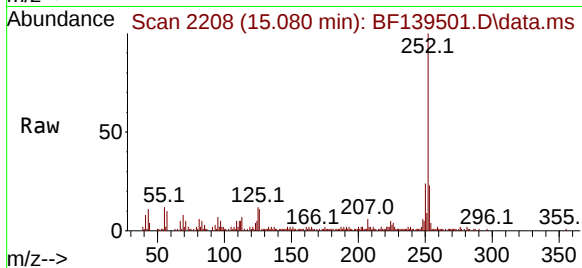
Tgt Ion:252 Resp: 64342

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 11.5 6.2 9.2#



#89

Benzo(k)fluoranthene

Concen: 11.599 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.018 min

Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

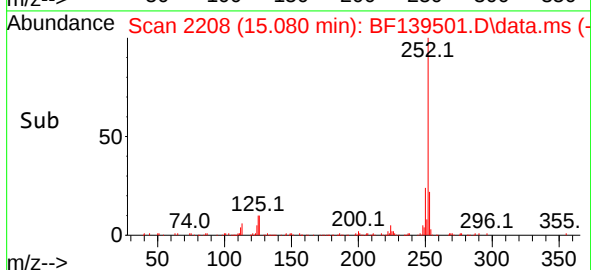
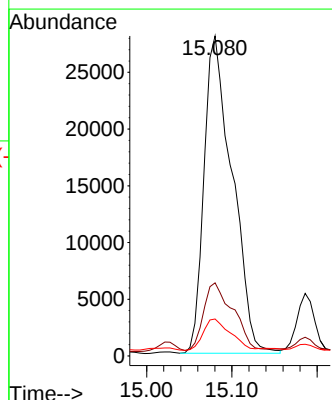
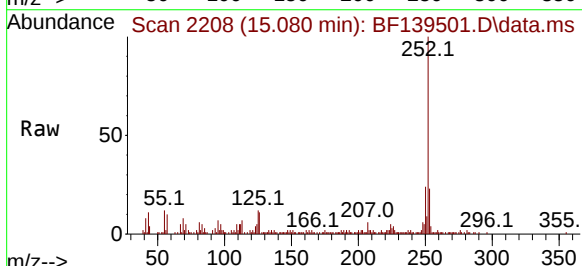
Tgt Ion:252 Resp: 64342

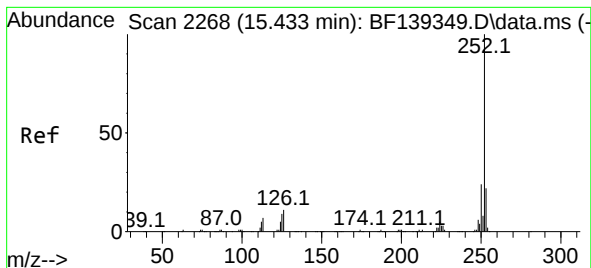
Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

125 11.5 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 7.231 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

Instrument :

BNA_F

ClientSampleId :

NB-08-09192024

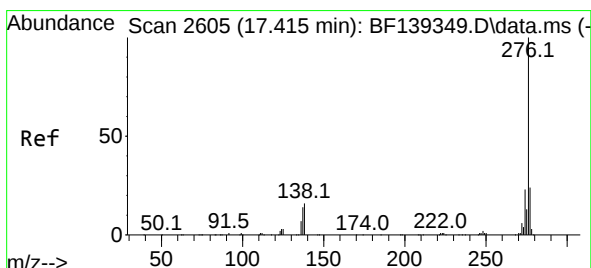
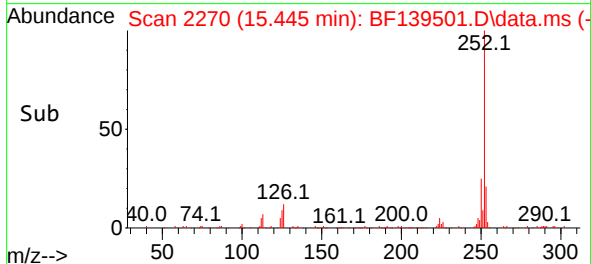
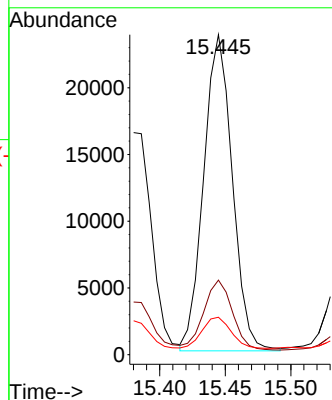
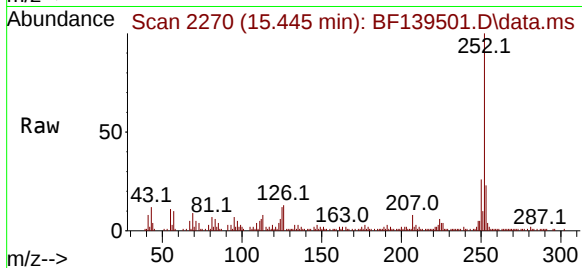
Tgt Ion:252 Resp: 36079

Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

125 11.7 6.8 10.2#



#92

Benzo(g,h,i)perylene

Concen: 4.236 ng

RT: 17.427 min Scan# 2607

Delta R.T. 0.012 min

Lab File: BF139501.D

Acq: 20 Sep 2024 14:57

Tgt Ion:276 Resp: 20105

Ion Ratio Lower Upper

276 100

277 25.0 18.9 28.3

138 20.0 13.0 19.6#

