

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091424\
 Data File : BF139368.D
 Acq On : 14 Sep 2024 14:48
 Operator : RC/JU
 Sample : P3940-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AST-2024-4036-PRIM

Quant Time: Sep 16 01:55:57 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)

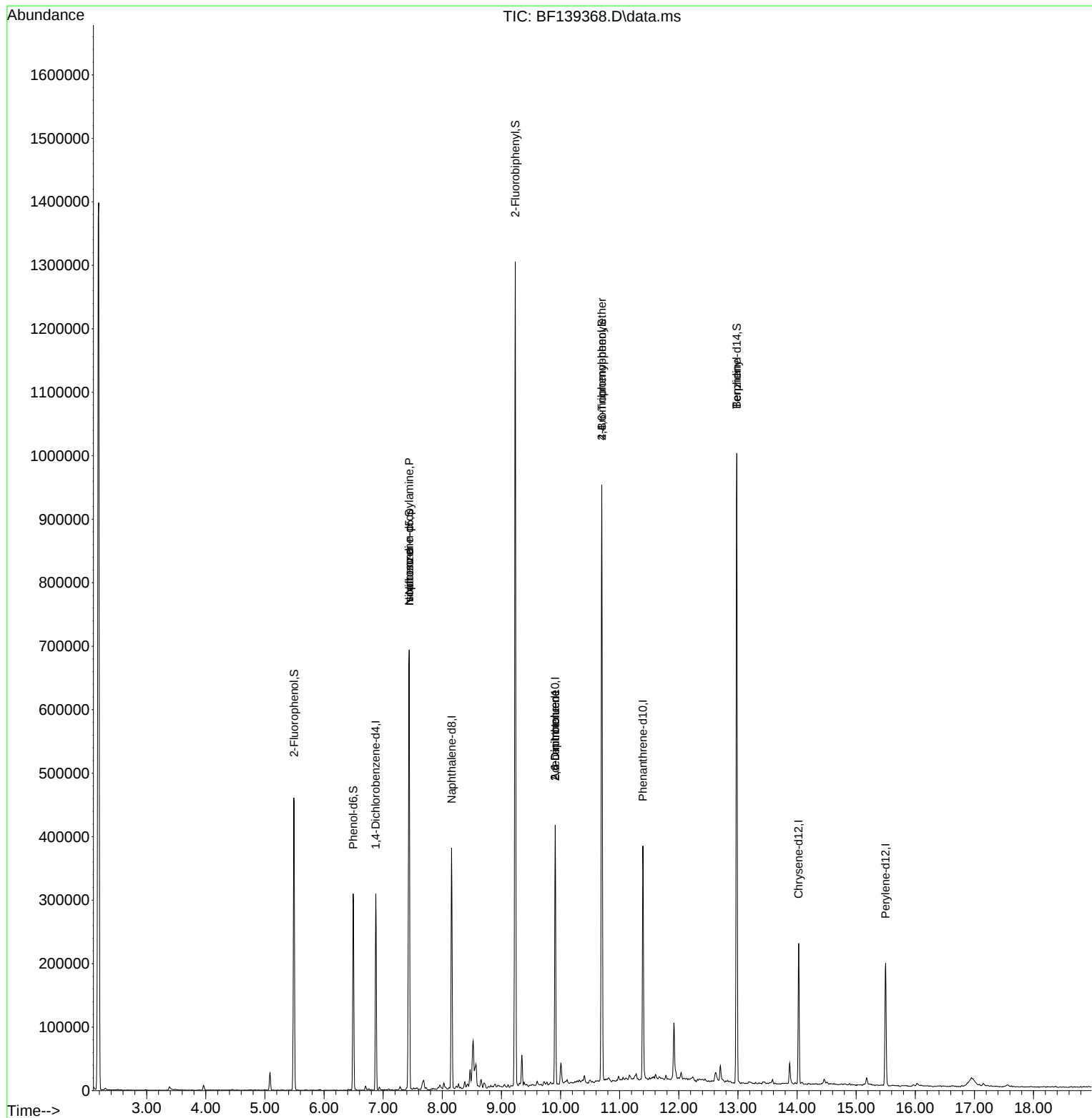
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	57997	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	211377	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	112258	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	185625	20.000	ng	0.00
76) Chrysene-d12	14.027	240	97772	20.000	ng	0.00
86) Perylene-d12	15.498	264	113354	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	143777	40.442	ng	0.00
7) Phenol-d6	6.493	99	118530	25.401	ng	-0.01
23) Nitrobenzene-d5	7.440	82	300873	66.916	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	133525	111.725	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	534740	66.809	ng	0.00
79) Terphenyl-d14	12.980	244	459552	77.149	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	41927	15.162	ng	# 76
25) Isophorone	7.440	82	299625	42.136	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	14736	9.028	ng	# 15
57) 2,4-Dinitrotoluene	9.910	165	14736	6.687	ng	# 17
67) 4-Bromophenyl-phenylether	10.698	248	9261	5.035	ng	# 1
77) Benzydine	12.980	184	7423	5.299	ng	# 90

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

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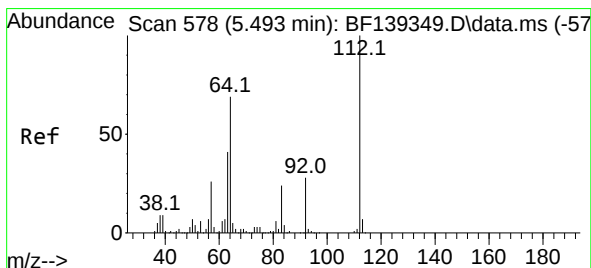
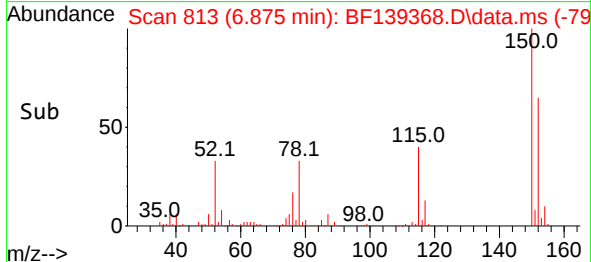
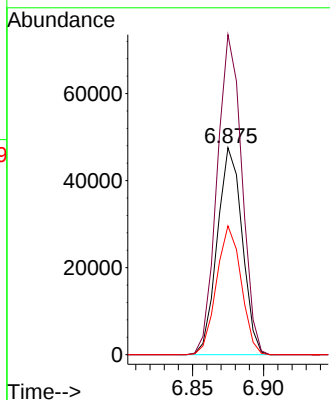
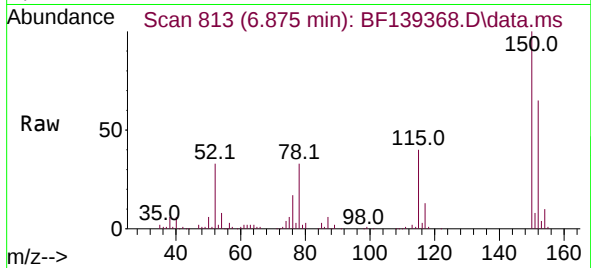




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139368.D
Acq: 14 Sep 2024 14:48

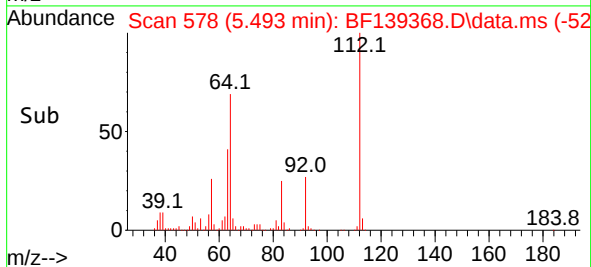
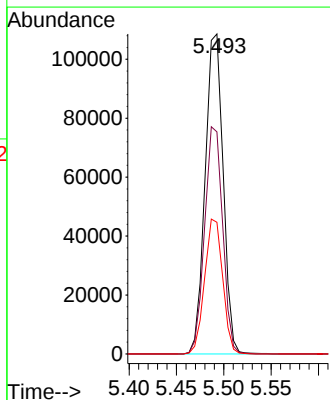
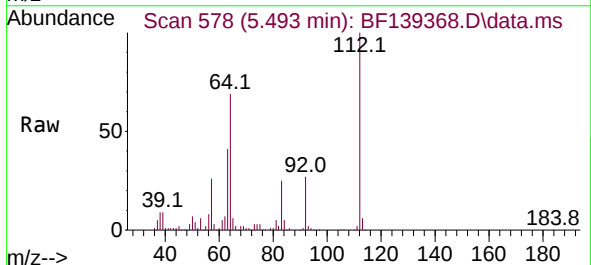
Instrument :
BNA_F
ClientSampleId :
AST-2024-4036-PRIM

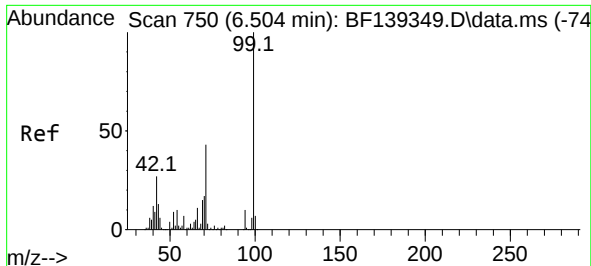
Tgt Ion:152 Resp: 57997
Ion Ratio Lower Upper
152 100
150 154.6 124.1 186.1
115 62.2 48.1 72.1



#5
2-Fluorophenol
Concen: 40.442 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF139368.D
Acq: 14 Sep 2024 14:48

Tgt Ion:112 Resp: 143777
Ion Ratio Lower Upper
112 100
64 69.4 54.8 82.2
63 41.2 33.0 49.4





#7

Phenol-d6

Concen: 25.401 ng

RT: 6.493 min Scan# 74

Delta R.T. -0.012 min

Lab File: BF139368.D

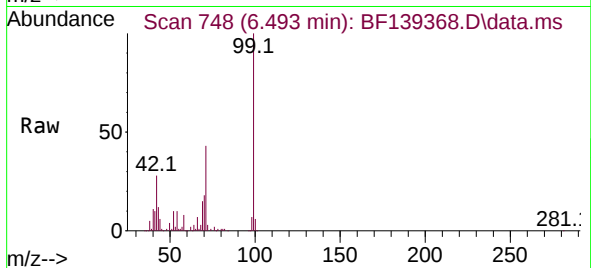
Acq: 14 Sep 2024 14:48

Instrument :

BNA_F

ClientSampleId :

AST-2024-4036-PRIM



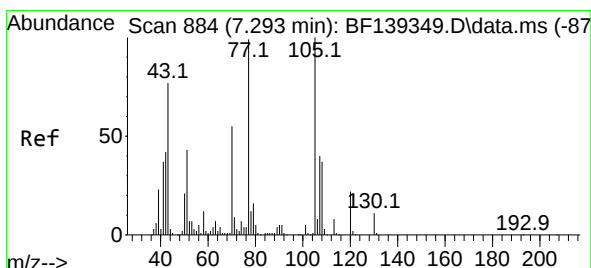
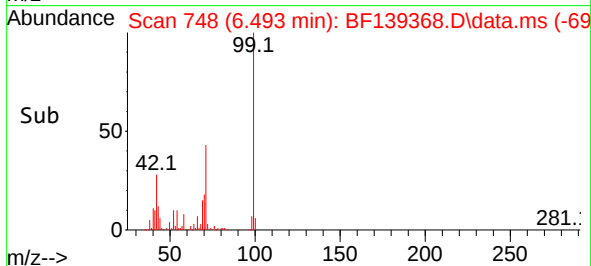
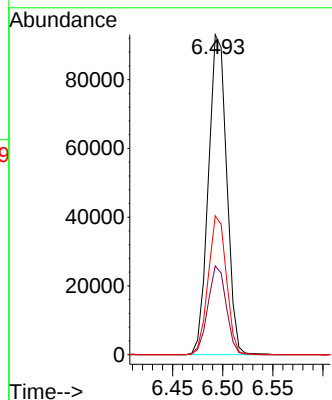
Tgt Ion: 99 Resp: 118530

Ion Ratio Lower Upper

99 100

42 27.8 21.9 32.9

71 43.4 34.6 52.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.162 ng

RT: 7.440 min Scan# 909

Delta R.T. 0.147 min

Lab File: BF139368.D

Acq: 14 Sep 2024 14:48

Tgt Ion: 70 Resp: 41927

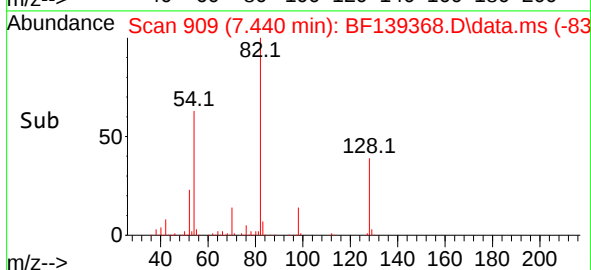
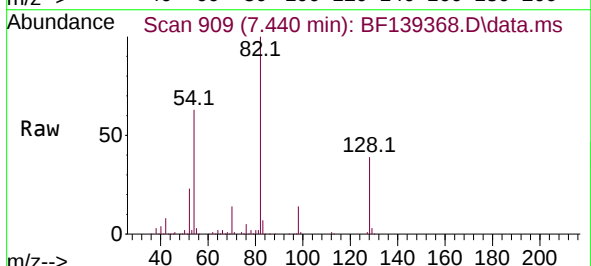
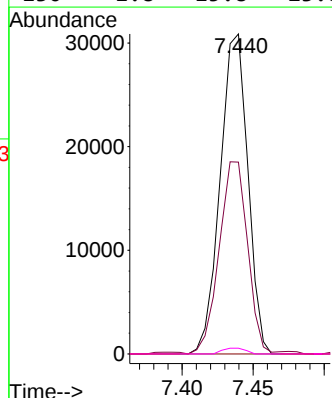
Ion Ratio Lower Upper

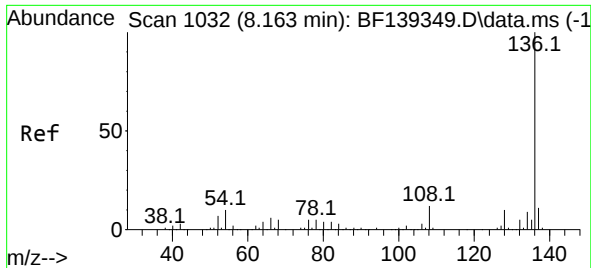
70 100

42 59.9 61.2 91.8#

101 0.0 7.5 11.3#

130 1.8 15.8 23.8#

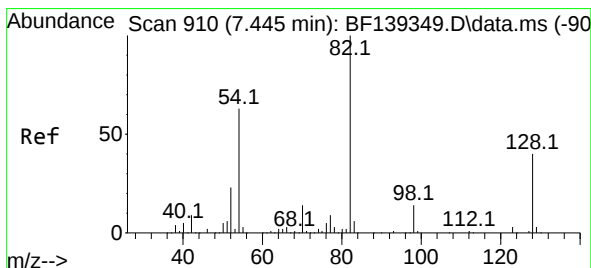
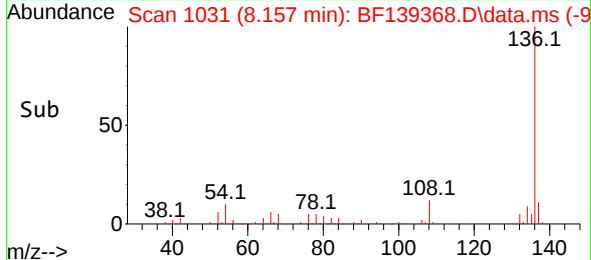
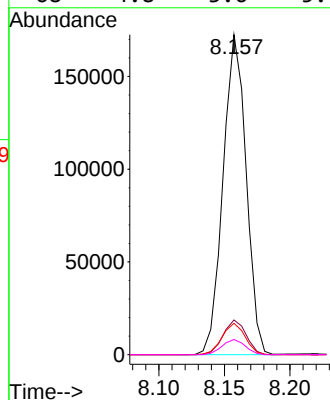
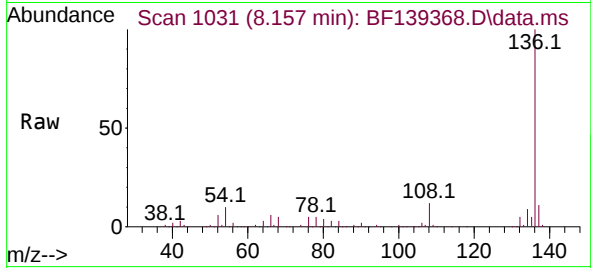




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF139368.D
Acq: 14 Sep 2024 14:48

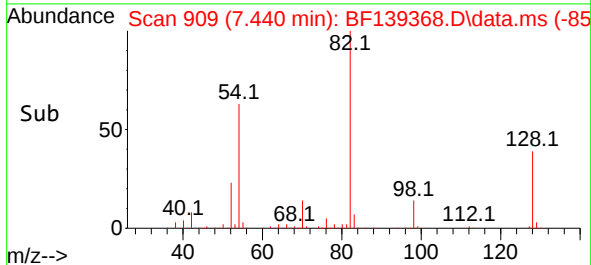
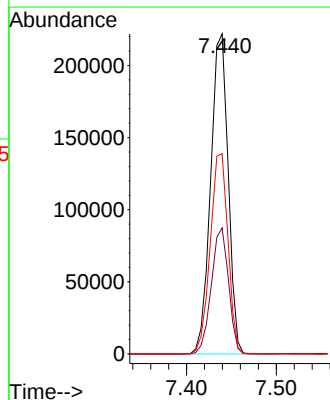
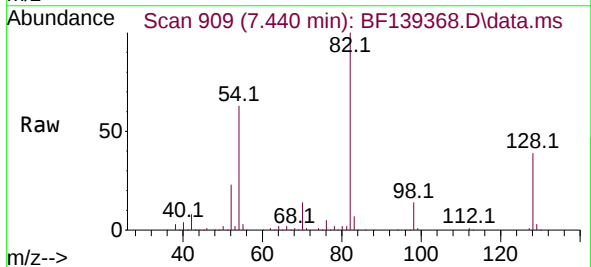
Instrument :
BNA_F
ClientSampleId :
AST-2024-4036-PRIM

Tgt Ion:136	Resp: 211377
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 12.8
54 9.8	7.8 11.8
68 4.8	3.6 5.4



#23
Nitrobenzene-d5
Concen: 66.916 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139368.D
Acq: 14 Sep 2024 14:48

Tgt Ion: 82	Resp: 300873
Ion Ratio	Lower Upper
82 100	
128 39.4	31.8 47.6
54 62.6	50.6 75.8

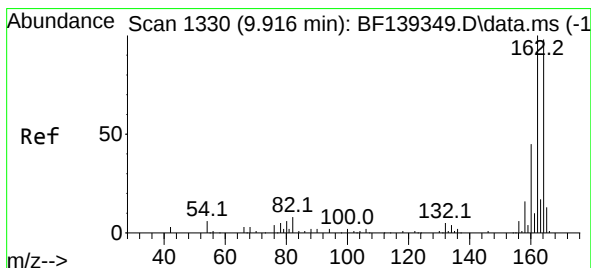
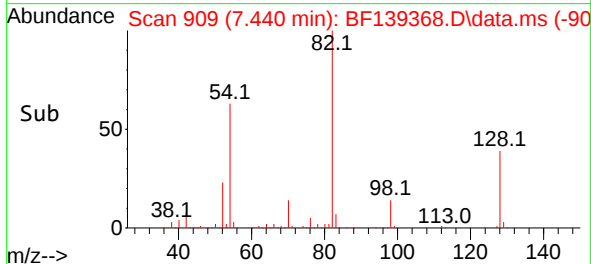
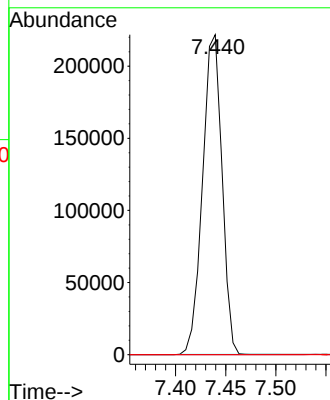
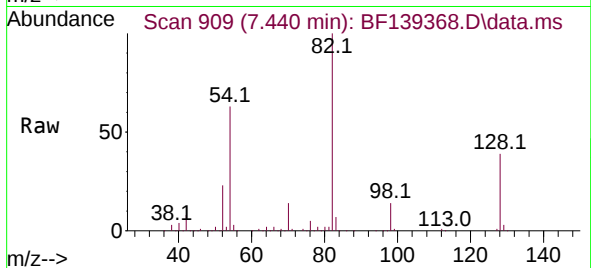




#25
Isophorone
Concen: 42.136 ng
RT: 7.440 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139368.D
Acq: 14 Sep 2024 14:48

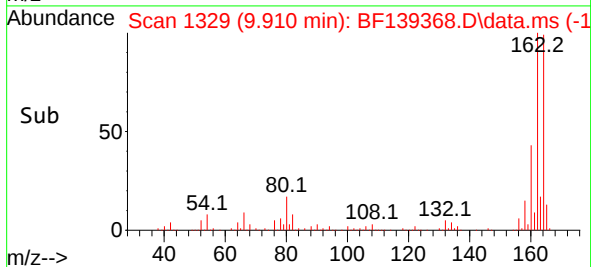
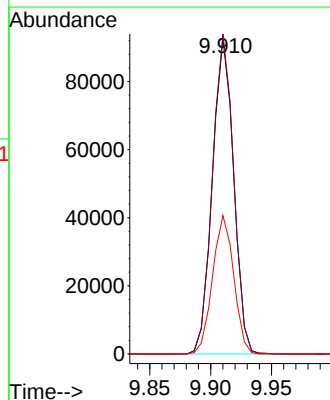
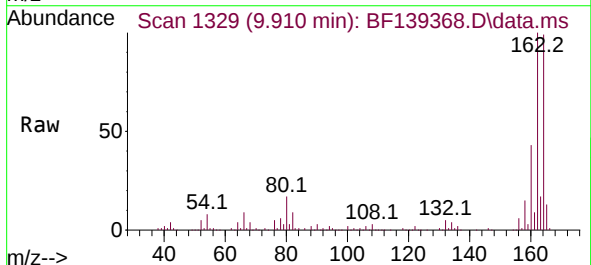
Instrument :
BNA_F
ClientSampleId :
AST-2024-4036-PRIM

Tgt Ion: 82 Resp: 299625
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: BF139368.D
Acq: 14 Sep 2024 14:48

Tgt Ion:164 Resp: 112258
Ion Ratio Lower Upper
164 100
162 101.5 81.3 121.9
160 43.9 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 111.725 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF139368.D

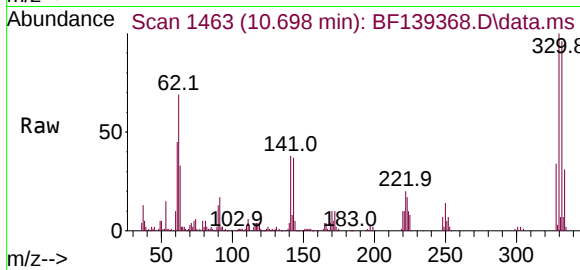
Acq: 14 Sep 2024 14:48

Instrument :

BNA_F

ClientSampleId :

AST-2024-4036-PRIM



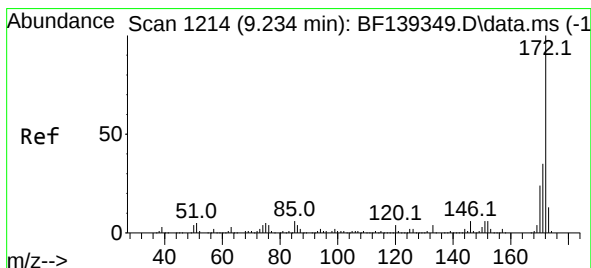
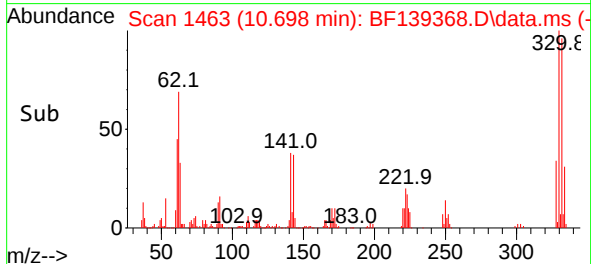
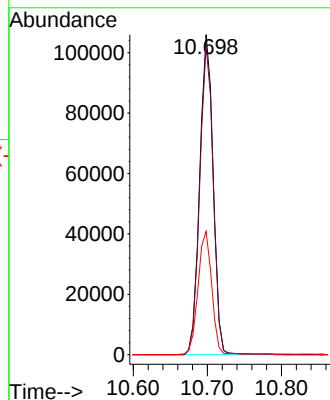
Tgt Ion:330 Resp: 133525

Ion Ratio Lower Upper

330 100

332 96.8 75.2 112.8

141 39.4 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 66.809 ng

RT: 9.234 min Scan# 1214

Delta R.T. 0.000 min

Lab File: BF139368.D

Acq: 14 Sep 2024 14:48

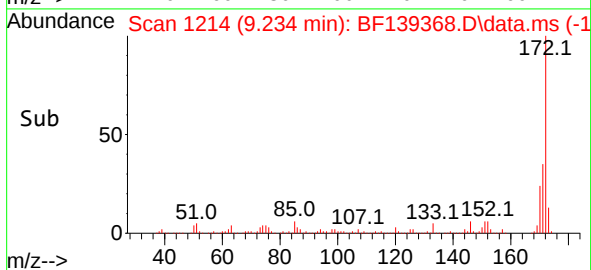
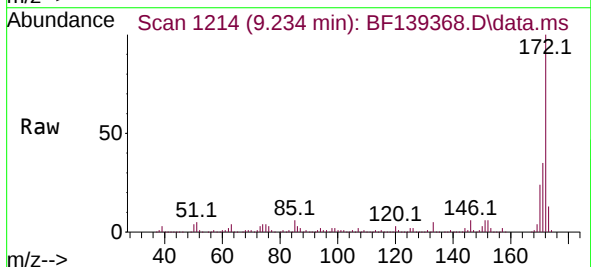
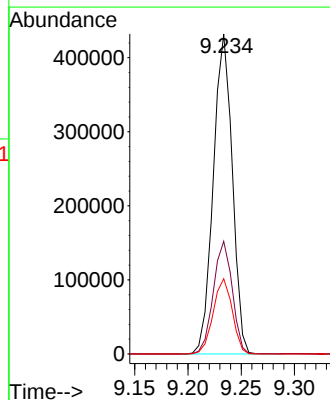
Tgt Ion:172 Resp: 534740

Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.5 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 9.028 ng

RT: 9.910 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF139368.D

Acq: 14 Sep 2024 14:48

Instrument :

BNA_F

ClientSampleId :

AST-2024-4036-PRIM

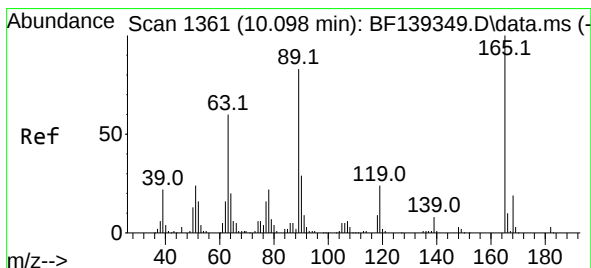
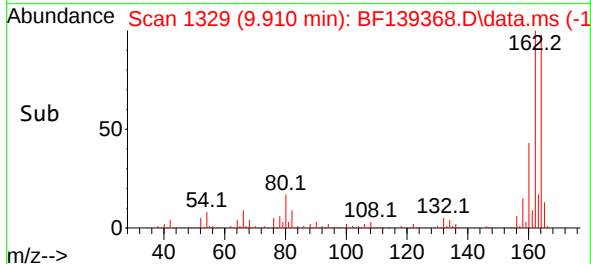
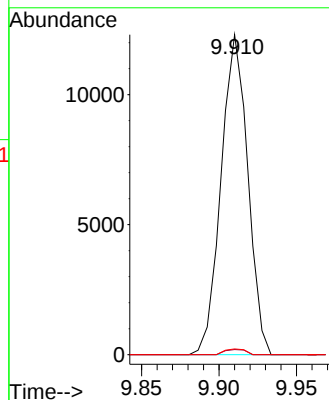
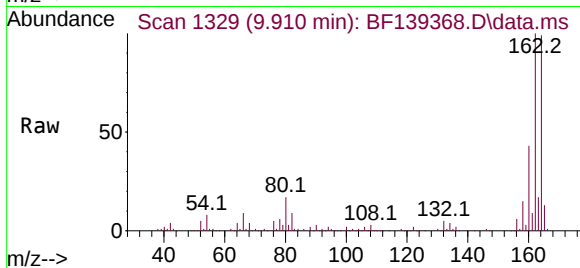
Tgt Ion:165 Resp: 14736

Ion Ratio Lower Upper

165 100

63 1.6 60.9 91.3#

89 1.8 54.7 82.1#



#57

2,4-Dinitrotoluene

Concen: 6.687 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.188 min

Lab File: BF139368.D

Acq: 14 Sep 2024 14:48

Tgt Ion:165 Resp: 14736

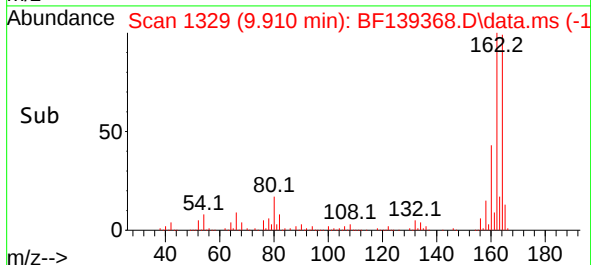
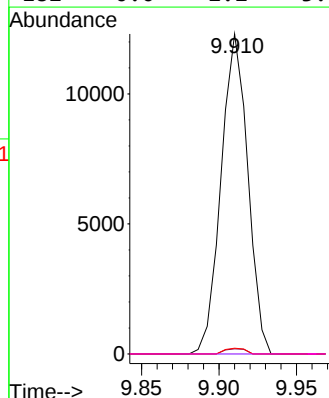
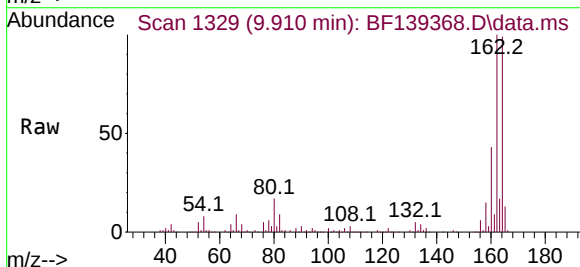
Ion Ratio Lower Upper

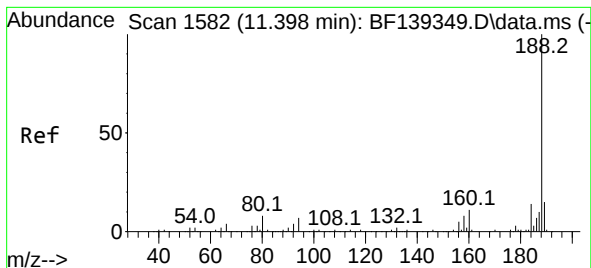
165 100

63 1.6 47.8 71.6#

89 1.8 66.7 100.1#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139368.D

Acq: 14 Sep 2024 14:48

Instrument :

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ClientSampleId :

AST-2024-4036-PRIM

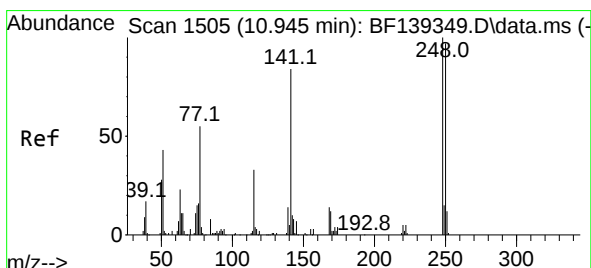
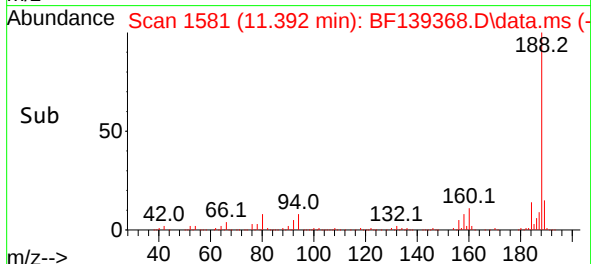
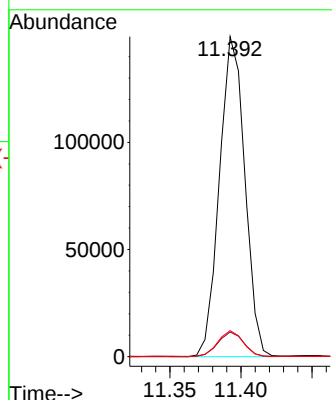
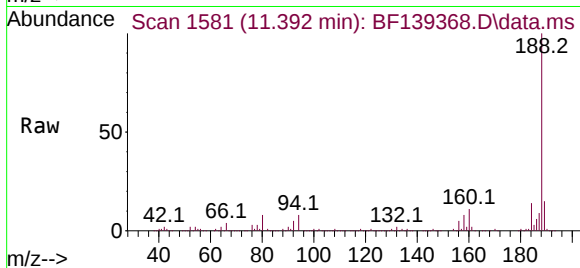
Tgt Ion:188 Resp: 185625

Ion Ratio Lower Upper

188 100

94 7.7 5.5 8.3

80 8.2 6.6 9.8



#67

4-Bromophenyl-phenylether

Concen: 5.035 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF139368.D

Acq: 14 Sep 2024 14:48

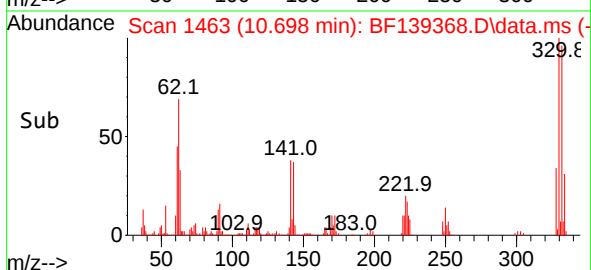
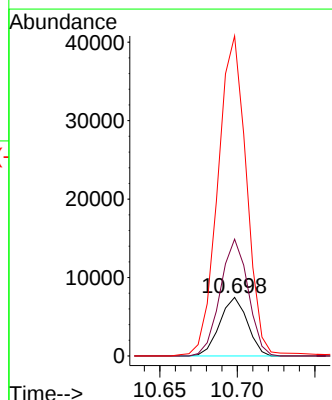
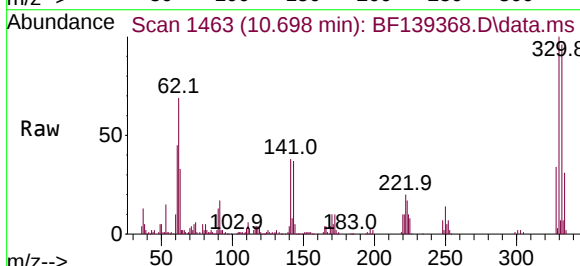
Tgt Ion:248 Resp: 9261

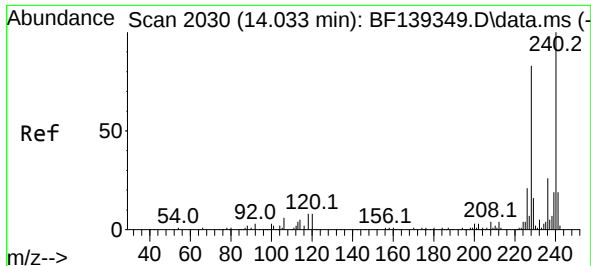
Ion Ratio Lower Upper

248 100

250 199.7 77.6 116.4#

141 547.0 66.9 100.3#

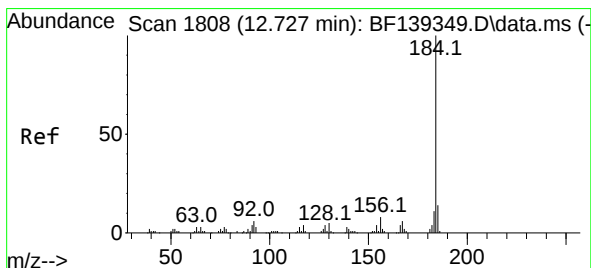
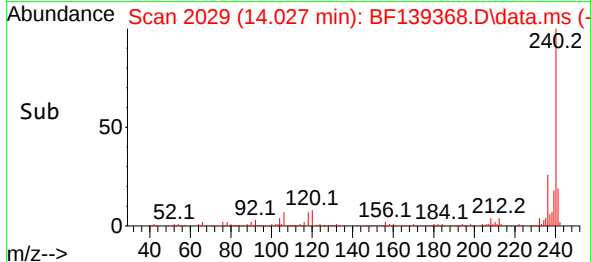
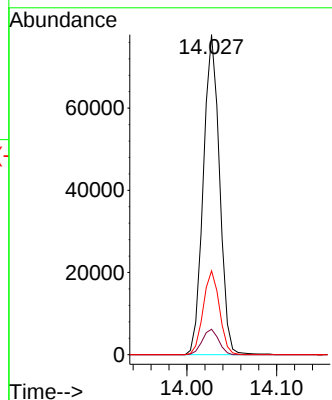
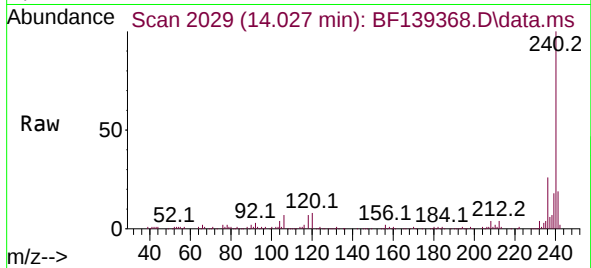




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF139368.D
Acq: 14 Sep 2024 14:48

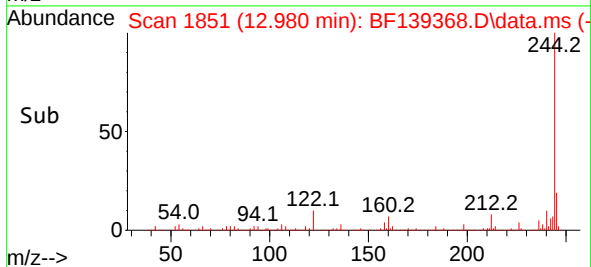
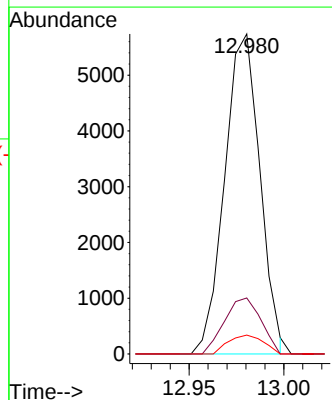
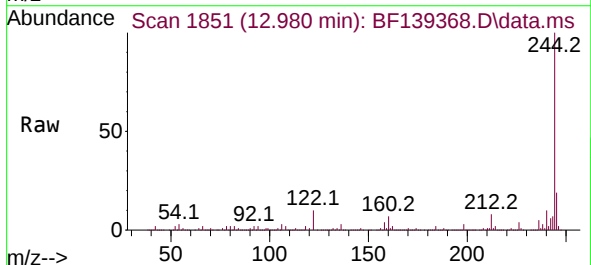
Instrument :
BNA_F
ClientSampleId :
AST-2024-4036-PRIM

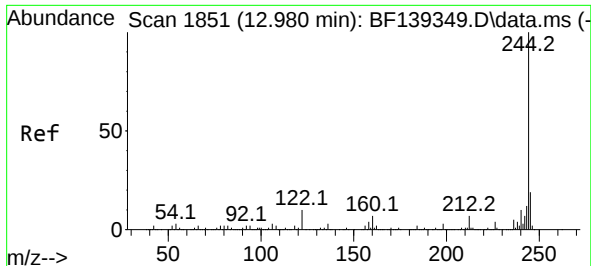
Tgt Ion:240 Resp: 97772
Ion Ratio Lower Upper
240 100
120 8.0 6.2 9.2
236 26.2 20.9 31.3



#77
Benzidine
Concen: 5.299 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.253 min
Lab File: BF139368.D
Acq: 14 Sep 2024 14:48

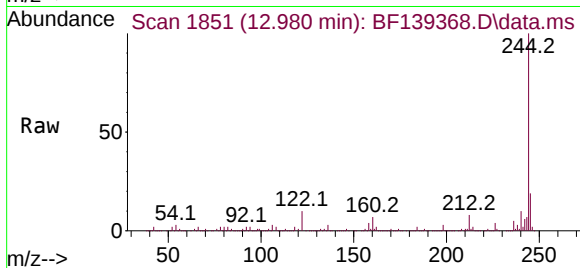
Tgt Ion:184 Resp: 7423
Ion Ratio Lower Upper
184 100
185 17.5 11.5 17.3#
183 5.9 8.9 13.3#



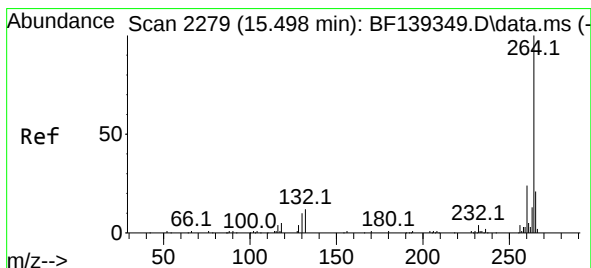
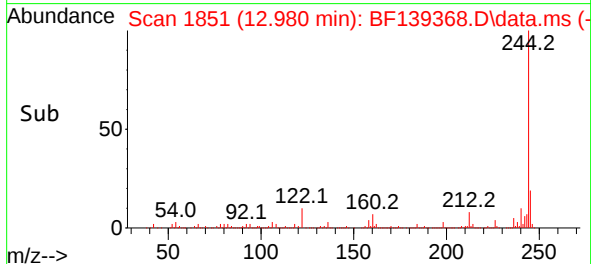
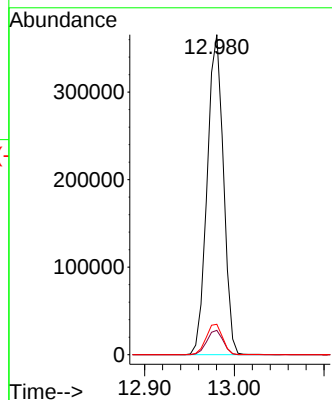


#79
 Terphenyl-d14
 Concen: 77.149 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. 0.000 min
 Lab File: BF139368.D
 Acq: 14 Sep 2024 14:48

Instrument :
 BNA_F
 ClientSampleId :
 AST-2024-4036-PRIM



Tgt Ion:	244	Resp:	459552
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.0	9.0
122	9.5	7.6	11.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.498 min Scan# 2279
 Delta R.T. 0.000 min
 Lab File: BF139368.D
 Acq: 14 Sep 2024 14:48

Tgt Ion:	264	Resp:	113354
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.5	29.3
265	21.1	16.6	25.0

