

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100224\
 Data File : BF139612.D
 Acq On : 02 Oct 2024 17:49
 Operator : RC/JU
 Sample : P4232-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-R

Quant Time: Oct 03 01:41:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

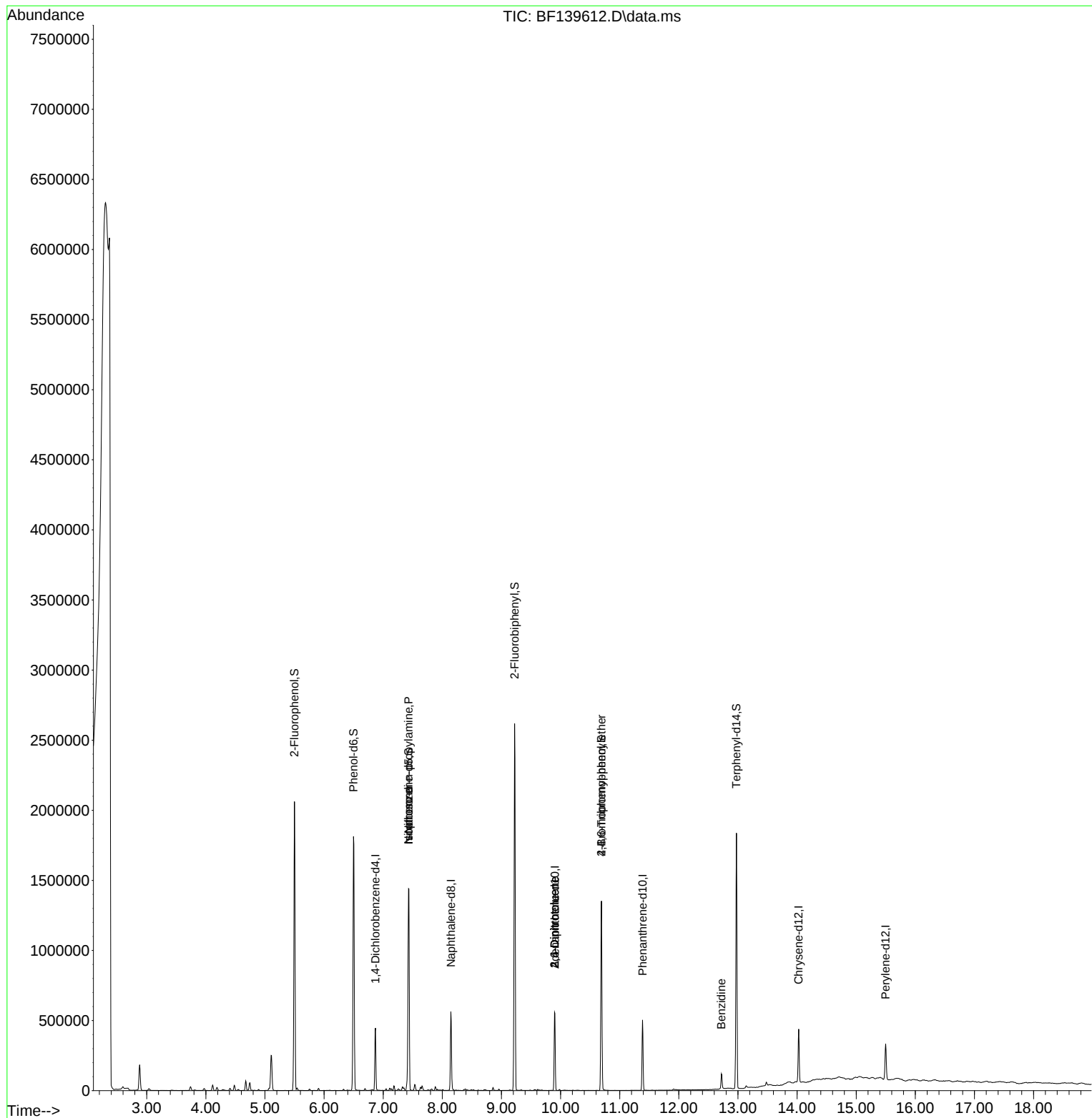
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	89042	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	326063	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	164800	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	256701	20.000	ng	0.00
76) Chrysene-d12	14.027	240	169615	20.000	ng	0.00
86) Perylene-d12	15.498	264	147569	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	700601	136.375	ng	0.01
7) Phenol-d6	6.498	99	836240	121.044	ng	0.00
23) Nitrobenzene-d5	7.428	82	660234	102.520	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	206988	130.109	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1128558	105.130	ng	0.00
79) Terphenyl-d14	12.974	244	858892	83.088	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.428	70	91293	20.554	ng	Qvalue 76
25) Isophorone	7.428	82	658400	57.561	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	21209	8.703	ng	# 18
57) 2,4-Dinitrotoluene	9.898	165	21209	6.658	ng	# 18
67) 4-Bromophenyl-phenylether	10.692	248	14029	5.330	ng	# 1
77) Benzidine	12.722	184	58584	19.581	ng	98

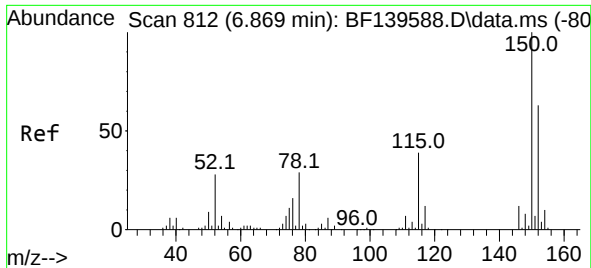
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 03 01:41:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

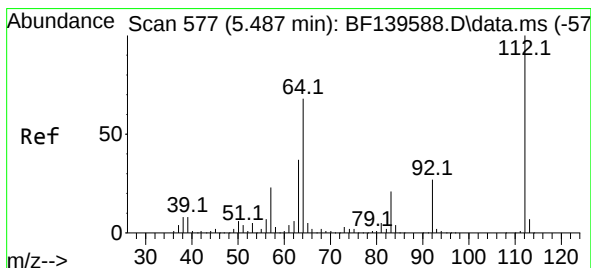
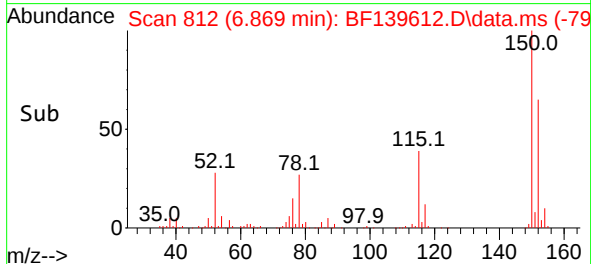
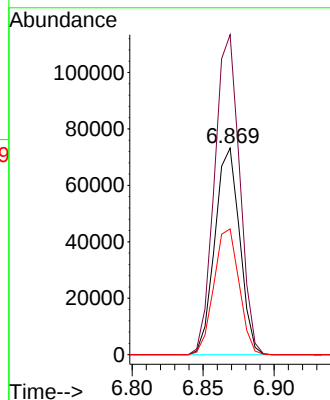
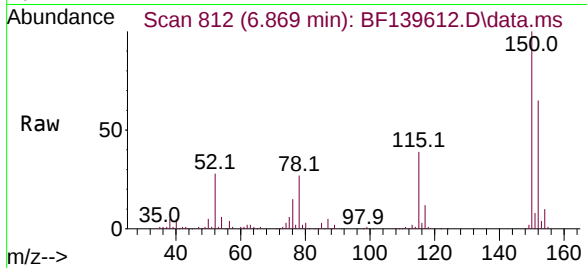




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF139612.D
Acq: 02 Oct 2024 17:49

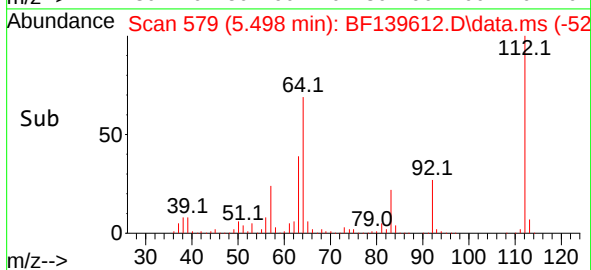
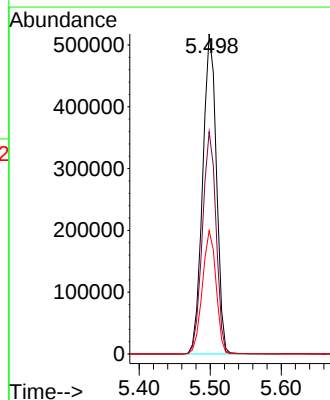
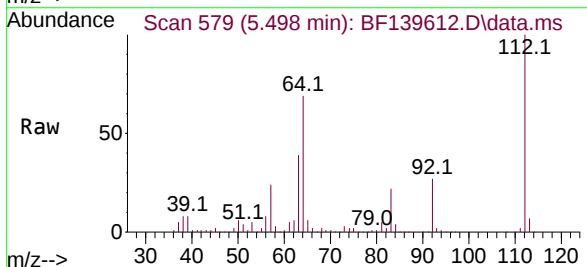
Instrument :
BNA_F
ClientSampleId :
TP-R

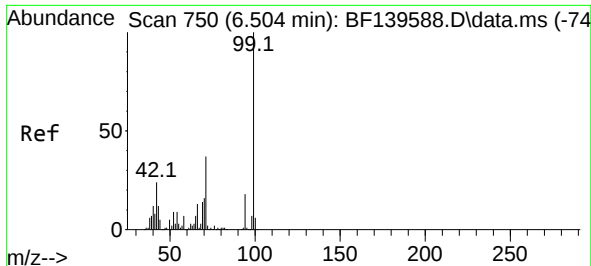
Tgt Ion:152 Resp: 89042
Ion Ratio Lower Upper
152 100
150 154.9 127.2 190.8
115 60.9 49.0 73.4



#5
2-Fluorophenol
Concen: 136.375 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.011 min
Lab File: BF139612.D
Acq: 02 Oct 2024 17:49

Tgt Ion:112 Resp: 700601
Ion Ratio Lower Upper
112 100
64 69.5 54.2 81.4
63 38.6 29.4 44.2

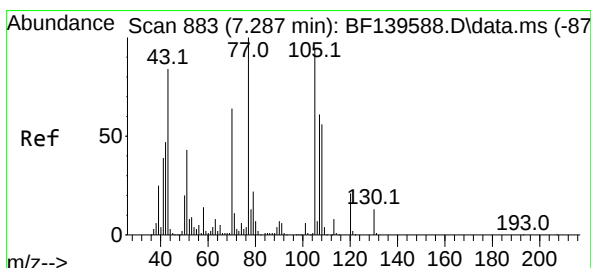
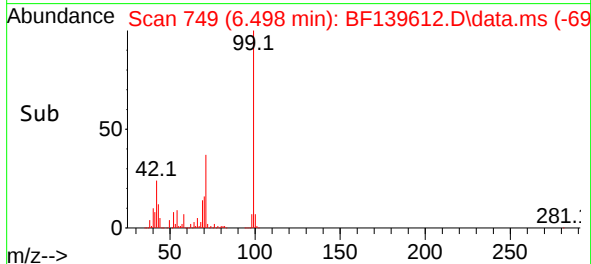
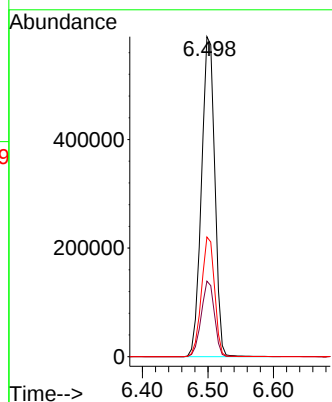
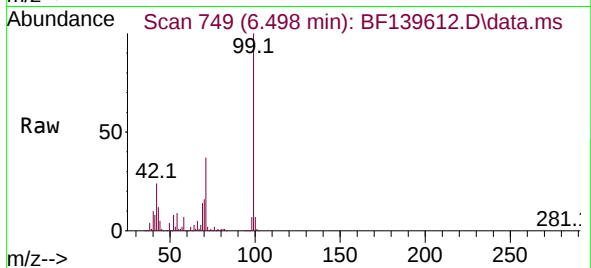




#7
Phenol-d6
Concen: 121.044 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139612.D
Acq: 02 Oct 2024 17:49

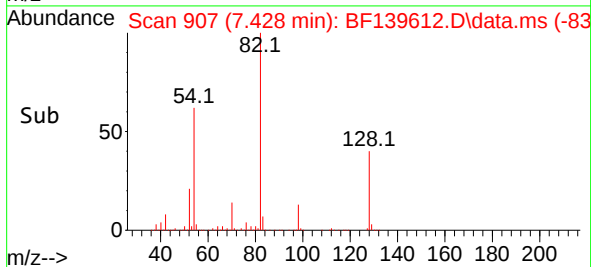
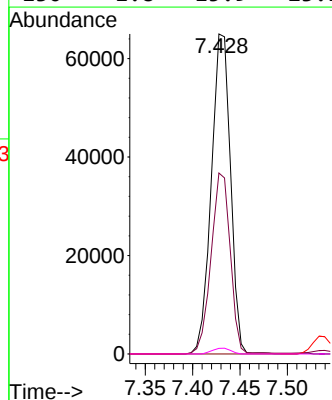
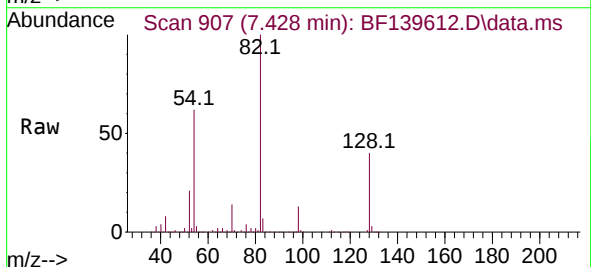
Instrument :
BNA_F
ClientSampleId :
TP-R

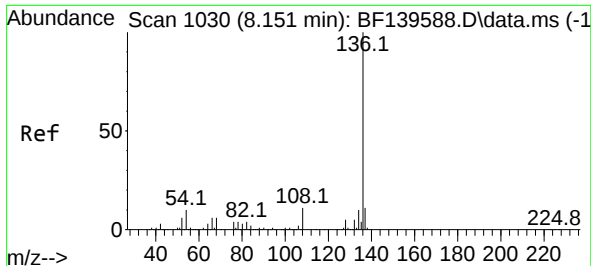
Tgt Ion: 99 Resp: 836240
Ion Ratio Lower Upper
99 100
42 23.6 19.1 28.7
71 37.4 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 20.554 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF139612.D
Acq: 02 Oct 2024 17:49

Tgt Ion: 70 Resp: 91293
Ion Ratio Lower Upper
70 100
42 56.6 58.0 87.0#
101 0.0 7.8 11.8#
130 1.8 15.9 23.9#

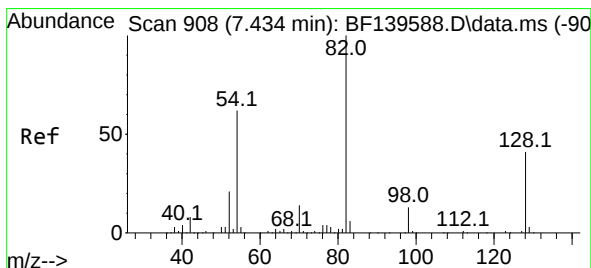
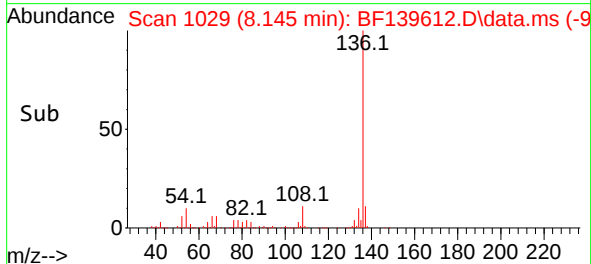
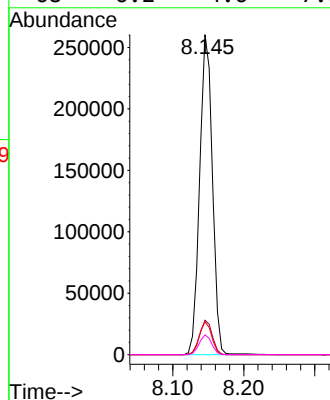
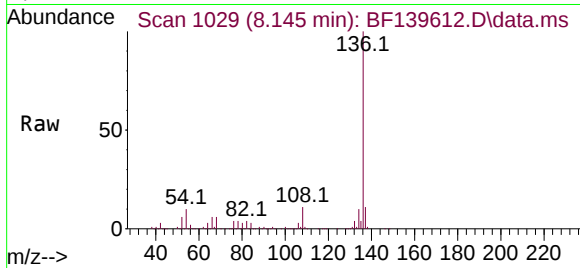




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF139612.D
Acq: 02 Oct 2024 17:49

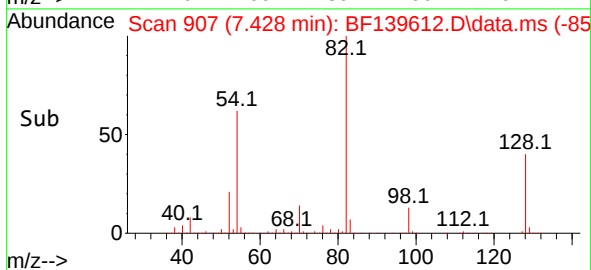
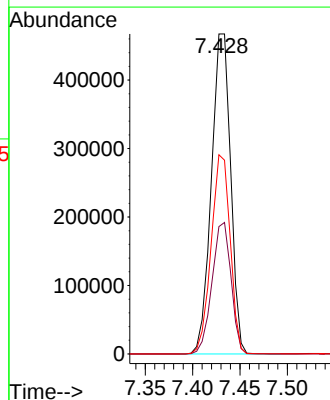
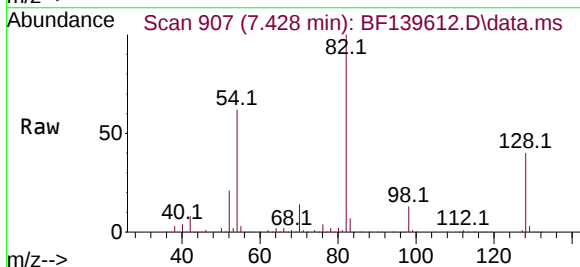
Instrument :
BNA_F
ClientSampleId :
TP-R

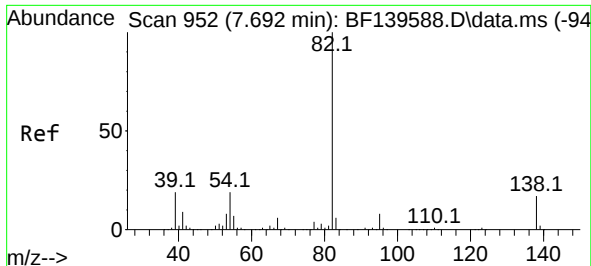
Tgt Ion:	136	Resp:	326063
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	10.3	8.3	12.5
68	6.2	4.6	7.0



#23
Nitrobenzene-d5
Concen: 102.520 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF139612.D
Acq: 02 Oct 2024 17:49

Tgt Ion:	82	Resp:	660234
Ion	Ratio	Lower	Upper
82	100		
128	39.8	32.4	48.6
54	62.3	49.1	73.7

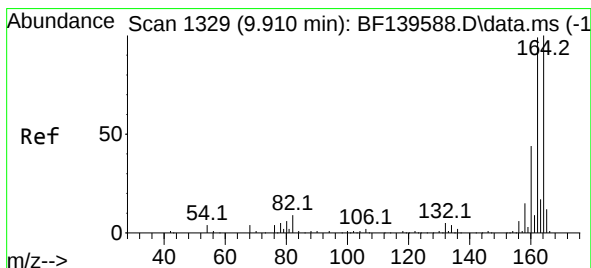
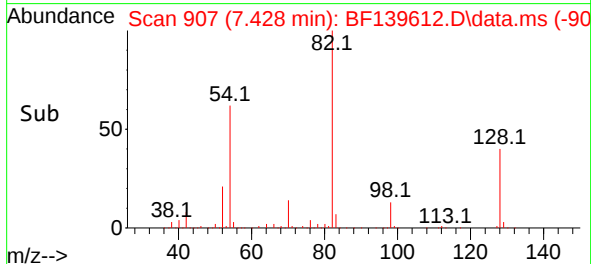
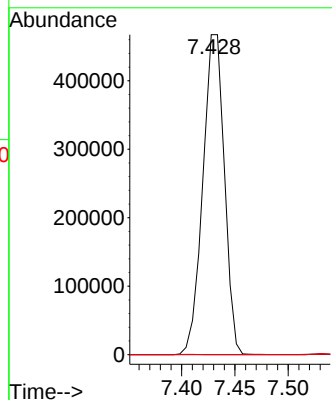
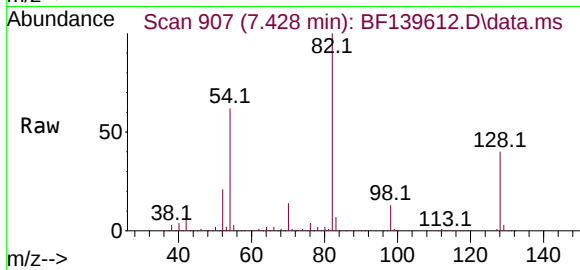




#25
Isophorone
Concen: 57.561 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139612.D
Acq: 02 Oct 2024 17:49

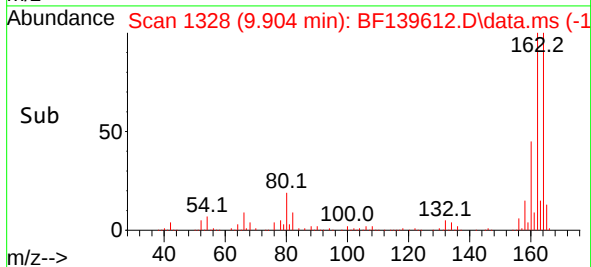
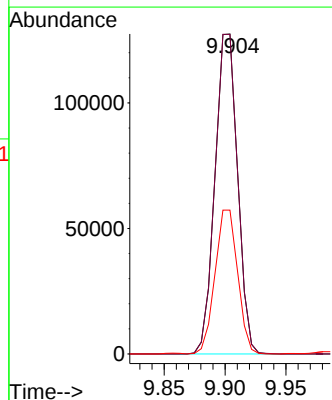
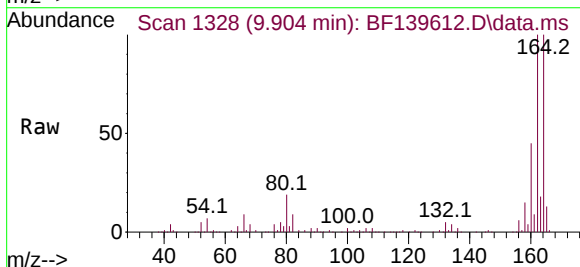
Instrument :
BNA_F
ClientSampleId :
TP-R

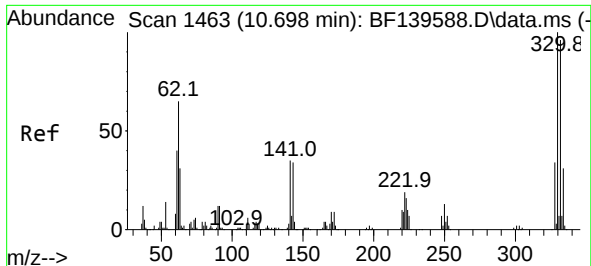
Tgt Ion: 82 Resp: 658400
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF139612.D
Acq: 02 Oct 2024 17:49

Tgt Ion:164 Resp: 164800
Ion Ratio Lower Upper
164 100
162 99.9 79.4 119.0
160 45.0 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 130.109 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF139612.D

Acq: 02 Oct 2024 17:49

Instrument :

BNA_F

ClientSampleId :

TP-R

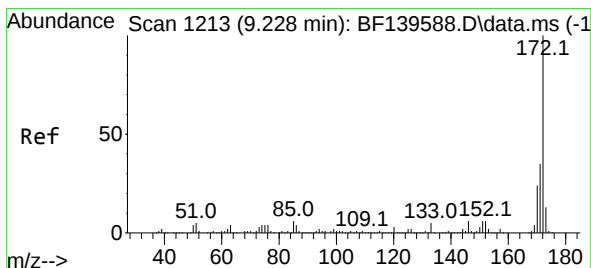
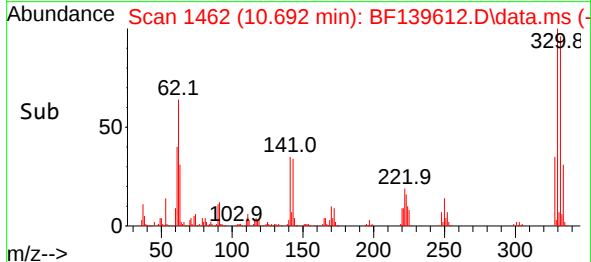
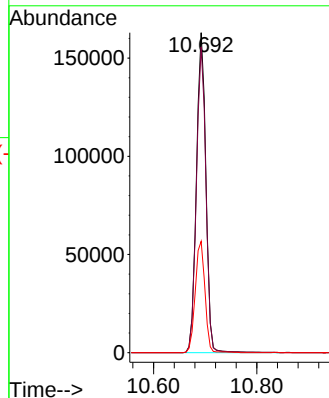
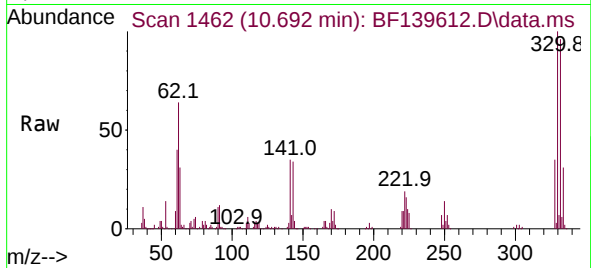
Tgt Ion:330 Resp: 206988

Ion Ratio Lower Upper

330 100

332 95.8 76.5 114.7

141 35.8 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 105.130 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF139612.D

Acq: 02 Oct 2024 17:49

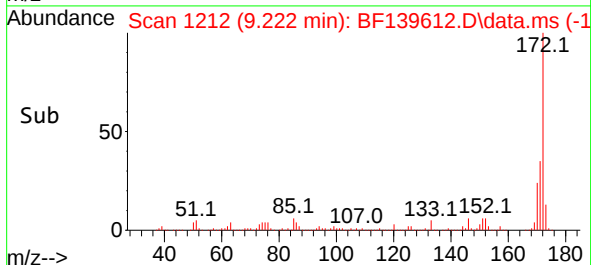
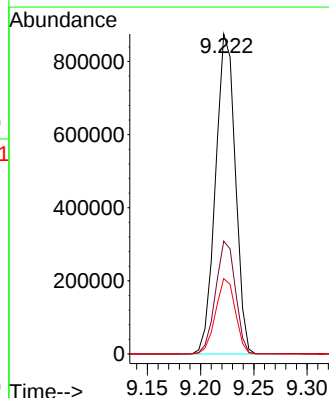
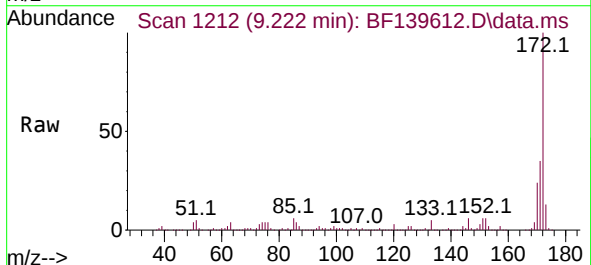
Tgt Ion:172 Resp: 1128558

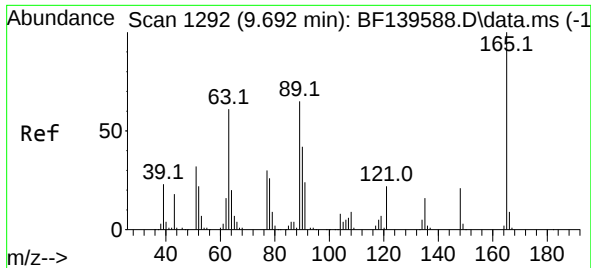
Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 23.5 18.8 28.2

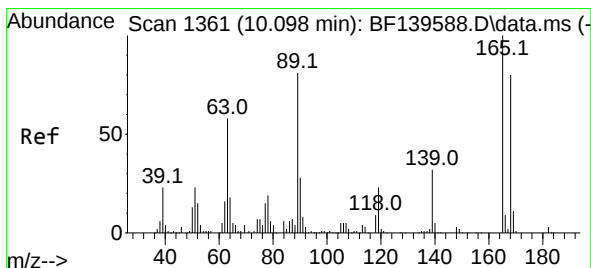
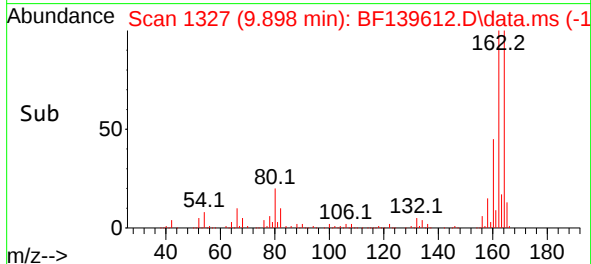
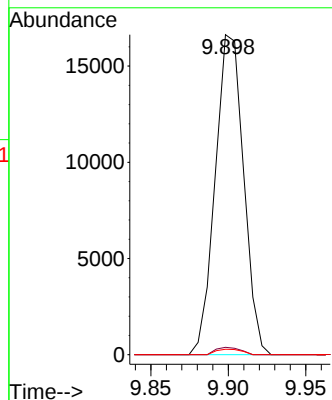
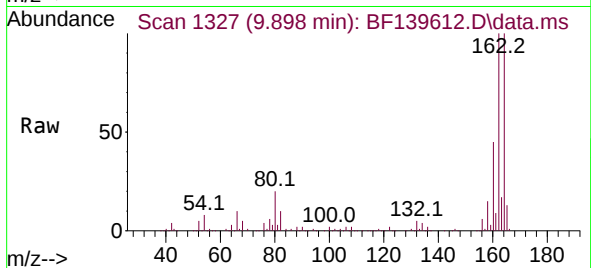




#51
2,6-Dinitrotoluene
Concen: 8.703 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF139612.D
Acq: 02 Oct 2024 17:49

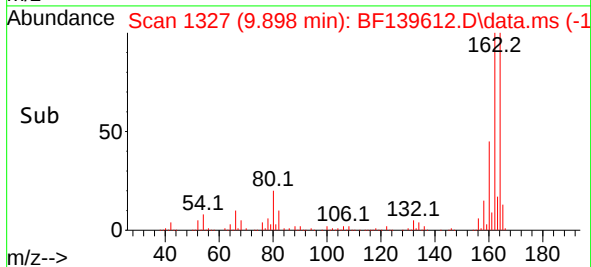
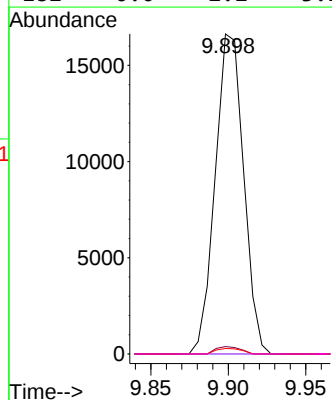
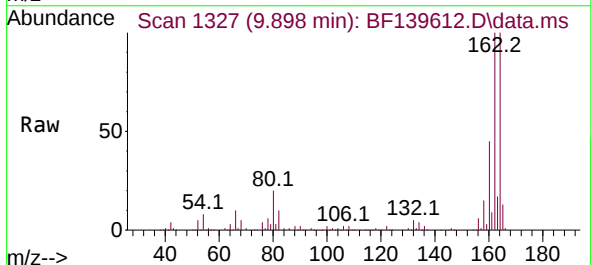
Instrument :
BNA_F
ClientSampleId :
TP-R

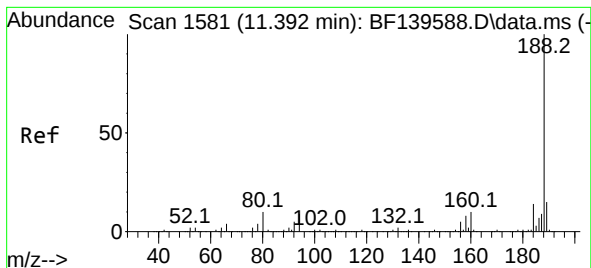
Tgt Ion:165 Resp: 21209
Ion Ratio Lower Upper
165 100
63 2.3 56.7 85.1#
89 1.7 51.6 77.4#



#57
2,4-Dinitrotoluene
Concen: 6.658 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.200 min
Lab File: BF139612.D
Acq: 02 Oct 2024 17:49

Tgt Ion:165 Resp: 21209
Ion Ratio Lower Upper
165 100
63 2.3 46.9 70.3#
89 1.7 64.4 96.6#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139612.D

Acq: 02 Oct 2024 17:49

Instrument :

BNA_F

ClientSampleId :

TP-R

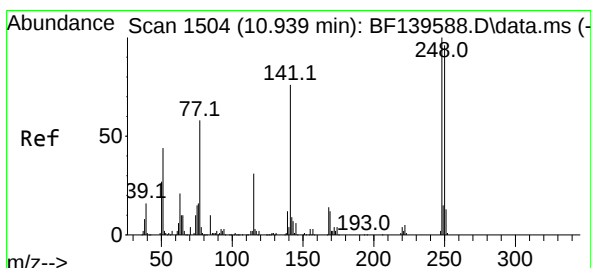
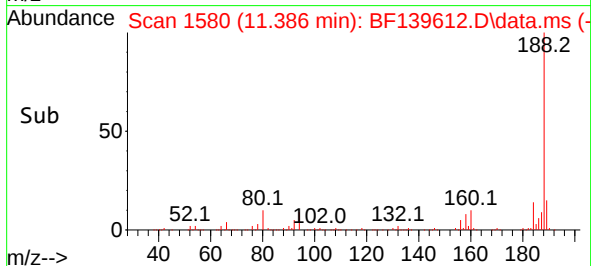
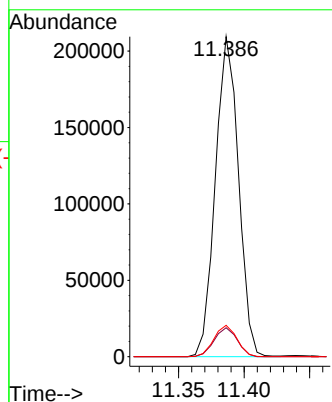
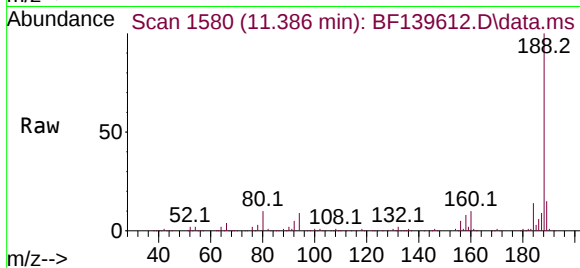
Tgt Ion:188 Resp: 256701

Ion Ratio Lower Upper

188 100

94 9.1 7.4 11.2

80 9.8 8.2 12.2



#67

4-Bromophenyl-phenylether

Concen: 5.330 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.247 min

Lab File: BF139612.D

Acq: 02 Oct 2024 17:49

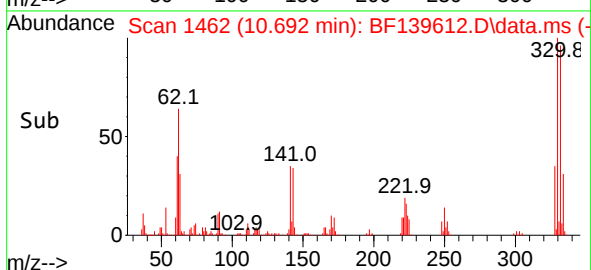
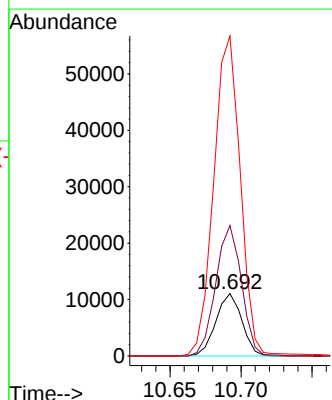
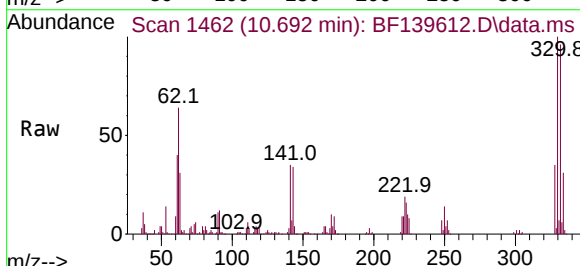
Tgt Ion:248 Resp: 14029

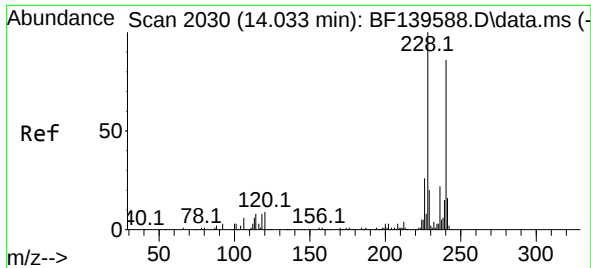
Ion Ratio Lower Upper

248 100

250 208.7 77.1 115.7#

141 512.2 60.4 90.6#

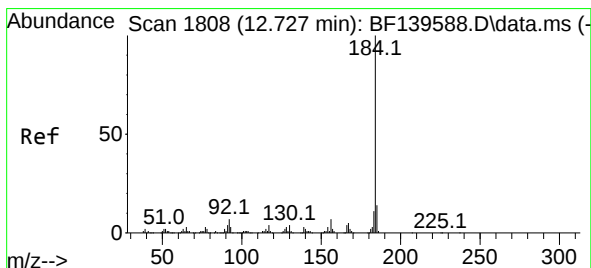
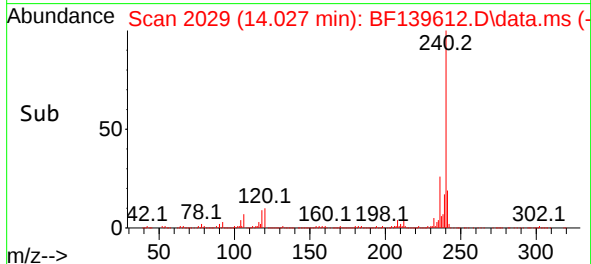
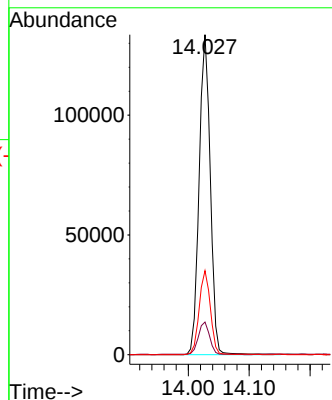
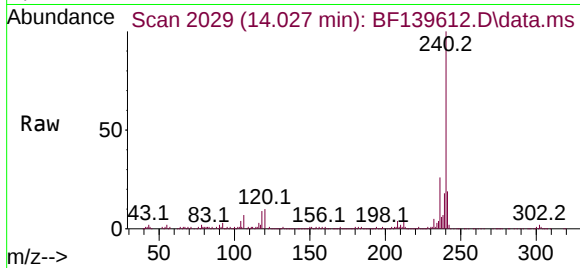




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF139612.D
Acq: 02 Oct 2024 17:49

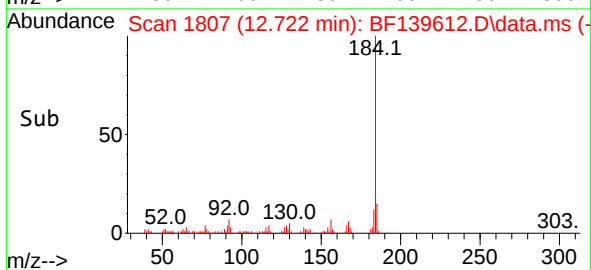
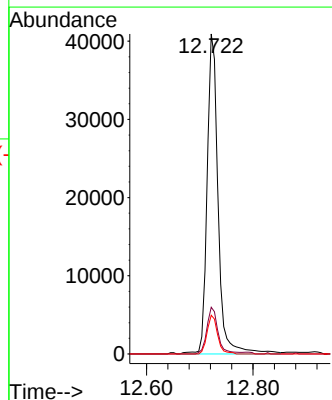
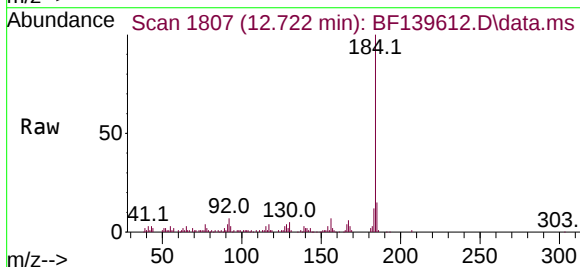
Instrument :
BNA_F
ClientSampleId :
TP-R

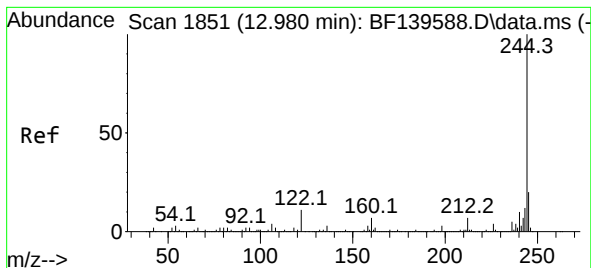
Tgt Ion:240 Resp: 169615
Ion Ratio Lower Upper
240 100
120 10.2 8.4 12.6
236 26.2 20.3 30.5



#77
Benzidine
Concen: 19.581 ng
RT: 12.722 min Scan# 1807
Delta R.T. -0.006 min
Lab File: BF139612.D
Acq: 02 Oct 2024 17:49

Tgt Ion:184 Resp: 58584
Ion Ratio Lower Upper
184 100
185 14.6 11.4 17.0
183 12.1 8.8 13.2





#79

Terphenyl-d14

Concen: 83.088 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF139612.D

Acq: 02 Oct 2024 17:49

Instrument :

BNA_F

ClientSampleId :

TP-R

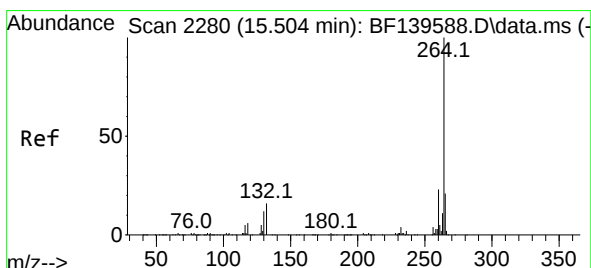
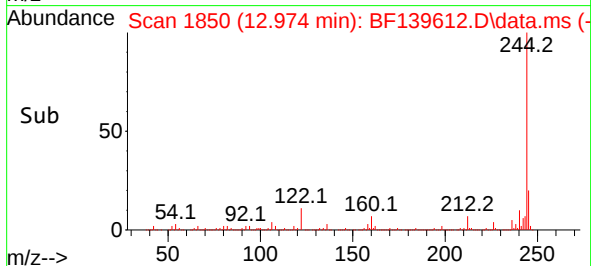
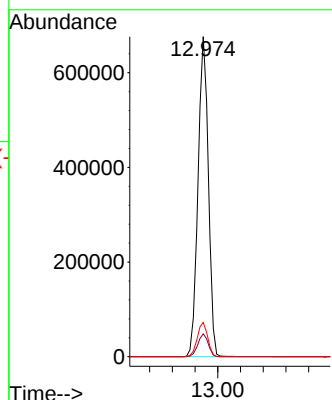
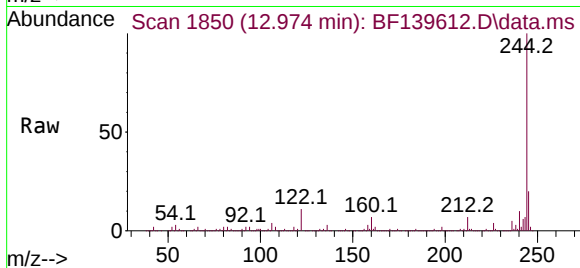
Tgt Ion:244 Resp: 858892

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 10.7 8.6 12.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2279

Delta R.T. -0.006 min

Lab File: BF139612.D

Acq: 02 Oct 2024 17:49

Tgt Ion:264 Resp: 147569

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

265 21.3 16.9 25.3

