

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101924\
 Data File : BF139886.D
 Acq On : 19 Oct 2024 22:03
 Operator : RC/JU
 Sample : P4426-23
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAD-12

Quant Time: Oct 21 01:45:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

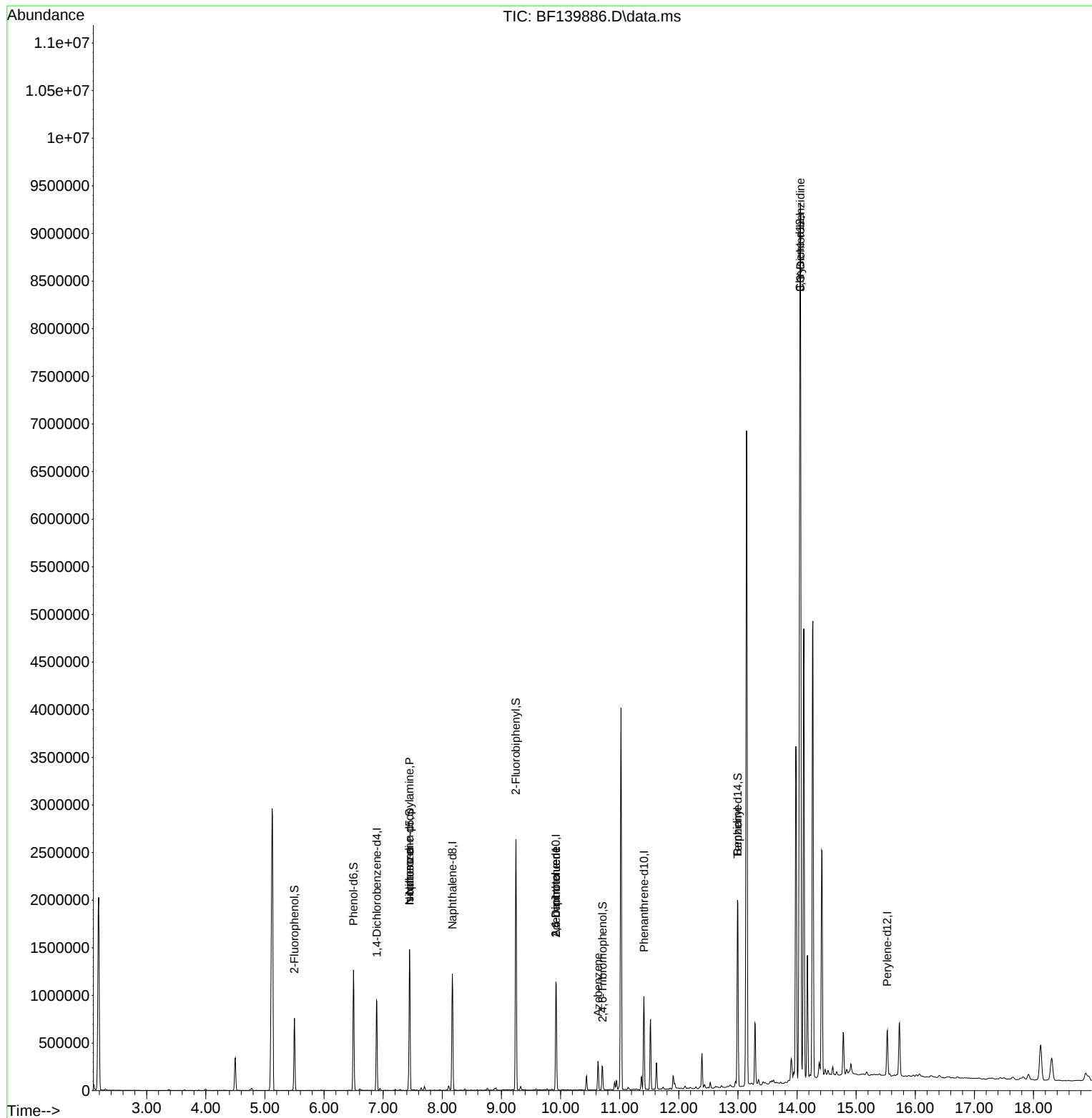
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	197123	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	719768	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	338510	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	490725	20.000	ng	0.00
76) Chrysene-d12	14.051	240	235740	20.000	ng	# 0.00
86) Perylene-d12	15.527	264	275588	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	255137	20.262	ng	0.00
7) Phenol-d6	6.498	99	549306	33.682	ng	-0.01
23) Nitrobenzene-d5	7.445	82	619594	47.710	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	37990	11.998	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1120435	54.703	ng	0.00
79) Terphenyl-d14	12.998	244	992393	68.596	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	82303	8.321	ng	# 79
25) Isophorone	7.445	82	618205	25.081	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	44626	9.775	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	44626	7.949	ng	# 21
63) Azobenzene	10.633	77	74015	3.372	ng	# 1
77) Benzidine	12.992	184	12204	3.148	ng	# 92
82) 3,3'-Dichlorobenzidine	14.057	252	42303	9.455	ng	# 49

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

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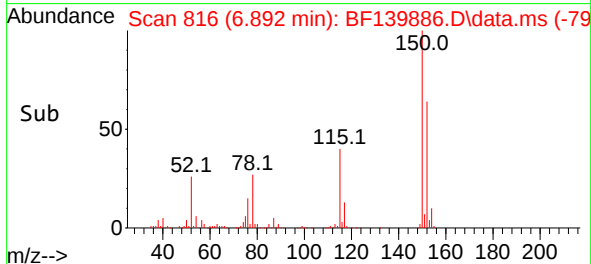
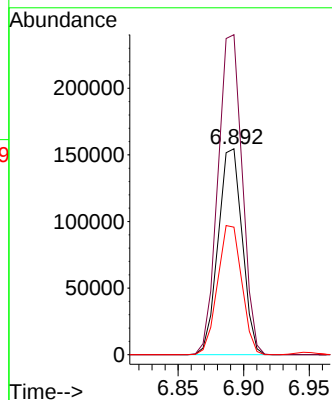
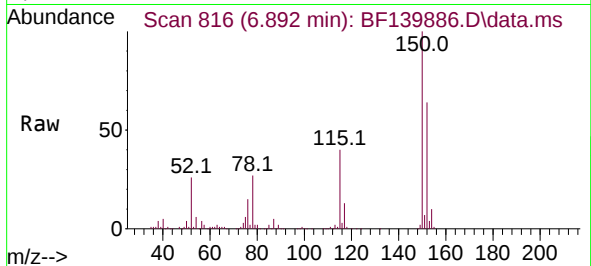




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139886.D
Acq: 19 Oct 2024 22:03

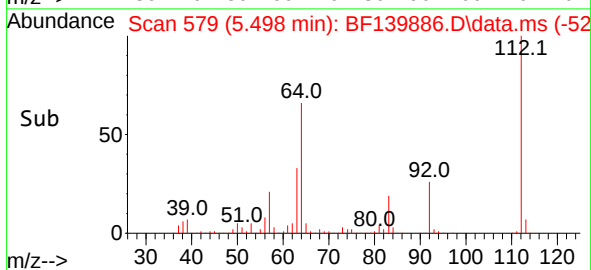
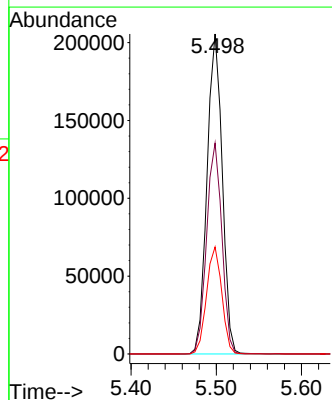
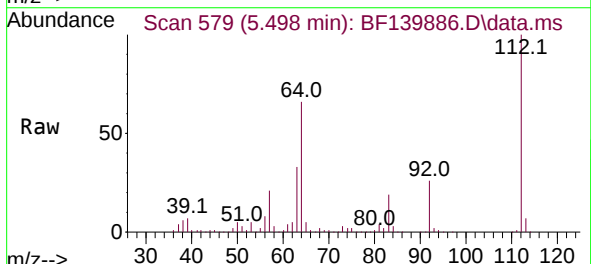
Instrument :
BNA_F
ClientSampleId :
PAD-12

Tgt Ion:152 Resp: 197123
Ion Ratio Lower Upper
152 100
150 155.4 130.2 195.2
115 61.9 51.4 77.2



#5
2-Fluorophenol
Concen: 20.262 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF139886.D
Acq: 19 Oct 2024 22:03

Tgt Ion:112 Resp: 255137
Ion Ratio Lower Upper
112 100
64 65.9 53.0 79.6
63 33.5 27.0 40.4

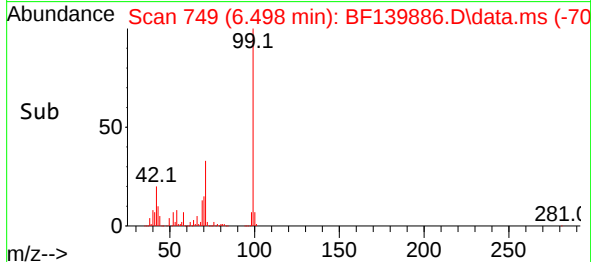
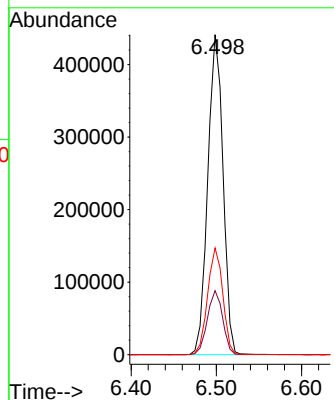
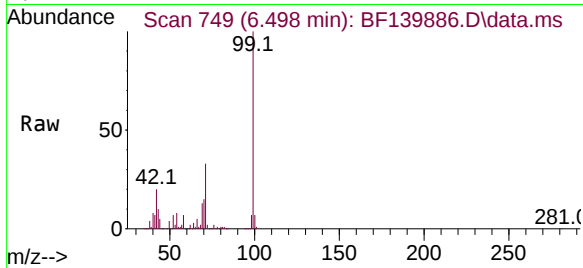




#7
Phenol-d6
Concen: 33.682 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF139886.D
Acq: 19 Oct 2024 22:03

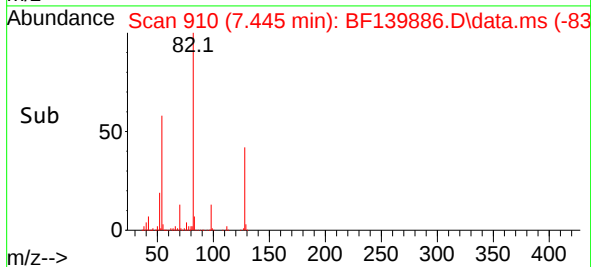
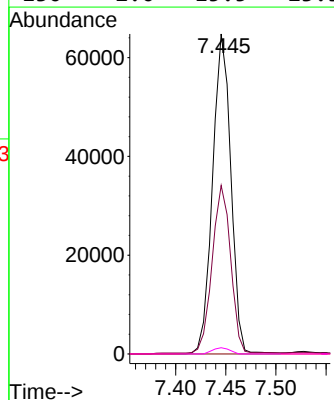
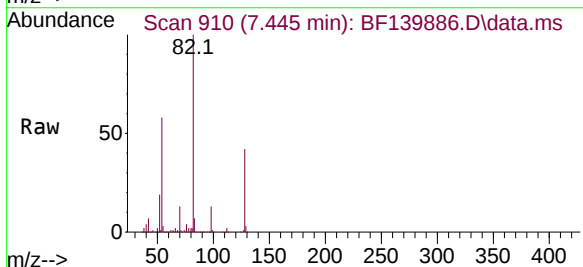
Instrument :
BNA_F
ClientSampleId :
PAD-12

Tgt Ion: 99 Resp: 549306
Ion Ratio Lower Upper
99 100
42 20.0 16.7 25.1
71 33.3 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 8.321 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139886.D
Acq: 19 Oct 2024 22:03

Tgt Ion: 70 Resp: 82303
Ion Ratio Lower Upper
70 100
42 52.7 51.5 77.3
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#



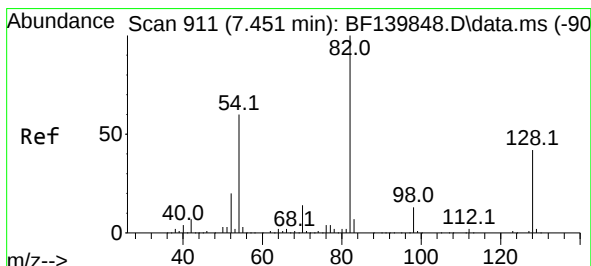
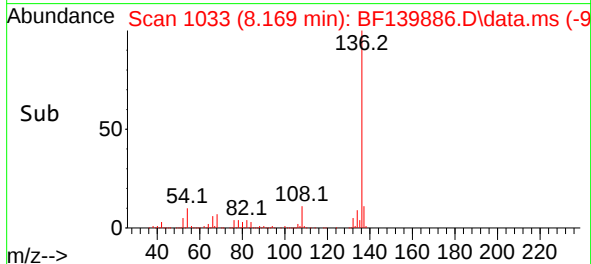
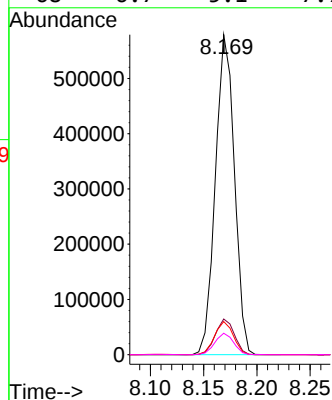
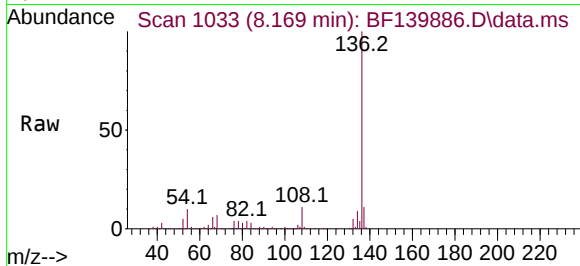


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139886.D
Acq: 19 Oct 2024 22:03

Instrument :
BNA_F
ClientSampleId :
PAD-12

Tgt Ion:136 Resp: 719768

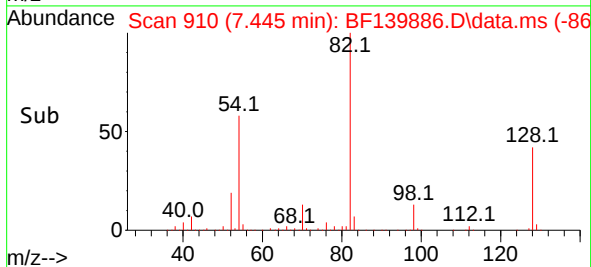
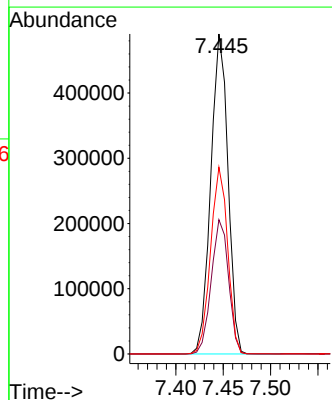
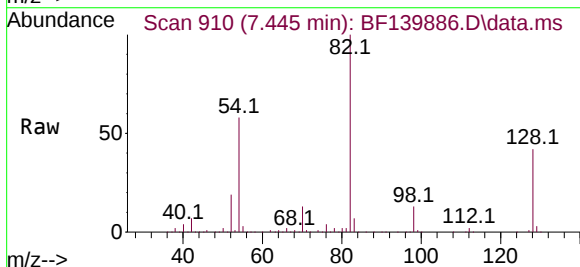
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	10.3	8.4	12.6
68	6.7	5.1	7.7



#23
Nitrobenzene-d5
Concen: 47.710 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139886.D
Acq: 19 Oct 2024 22:03

Tgt Ion: 82 Resp: 619594

Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.4	50.0
54	58.4	47.8	71.8

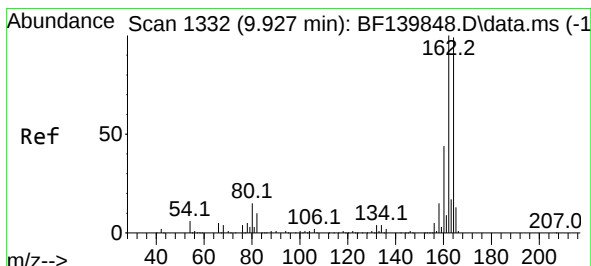
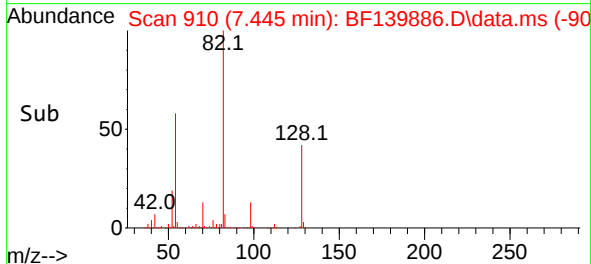
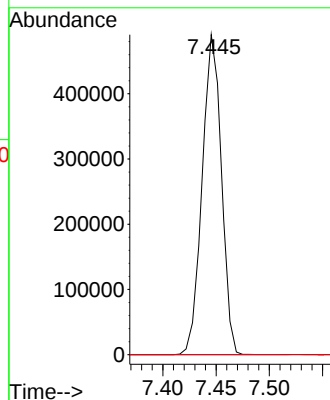
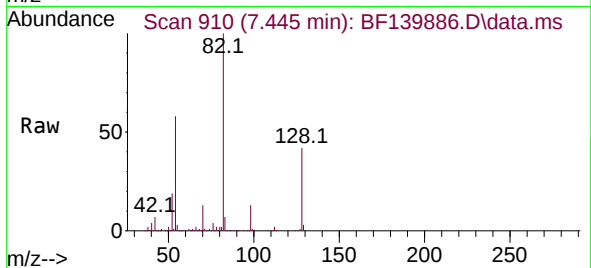




#25
Isophorone
Concen: 25.081 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF139886.D
Acq: 19 Oct 2024 22:03

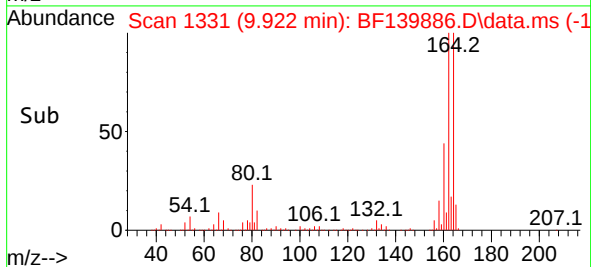
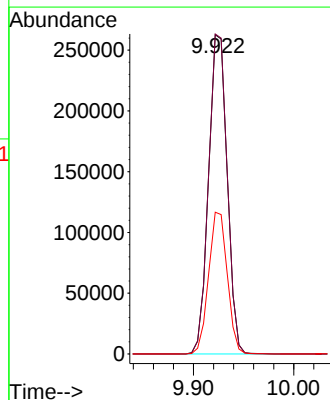
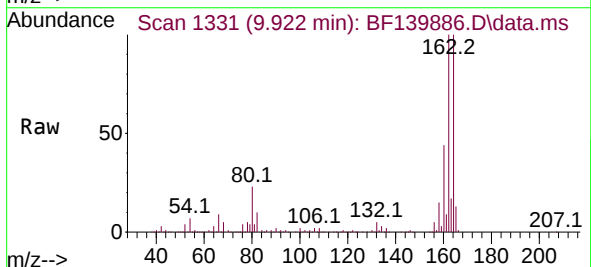
Instrument :
BNA_F
ClientSampleId :
PAD-12

Tgt Ion: 82 Resp: 618205
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF139886.D
Acq: 19 Oct 2024 22:03

Tgt Ion: 164 Resp: 338510
Ion Ratio Lower Upper
164 100
162 100.2 81.0 121.4
160 44.4 35.4 53.0

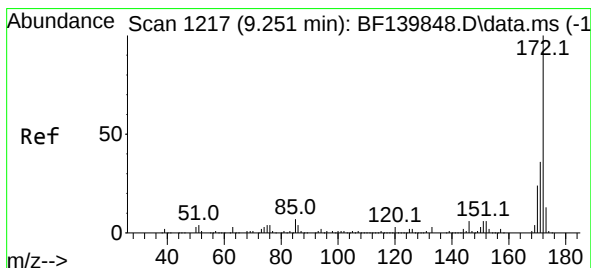
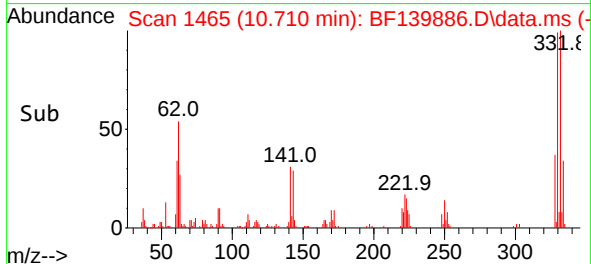
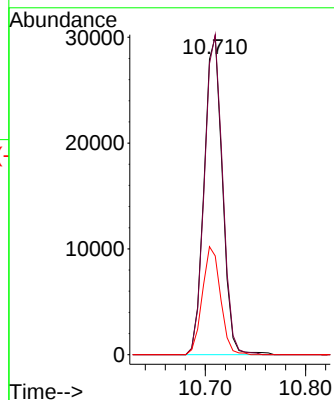
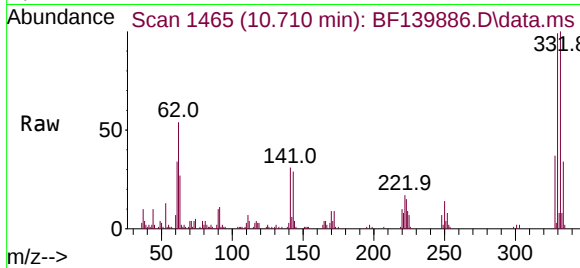




#42
 2,4,6-Tribromophenol
 Concen: 11.998 ng
 RT: 10.710 min Scan# 1465
 Delta R.T. -0.006 min
 Lab File: BF139886.D
 Acq: 19 Oct 2024 22:03

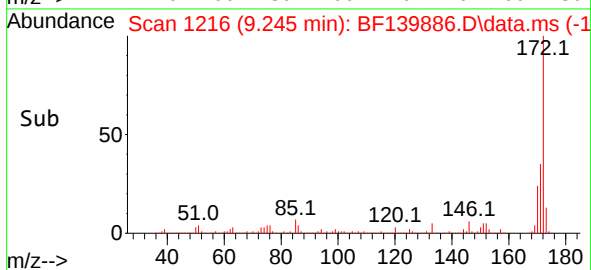
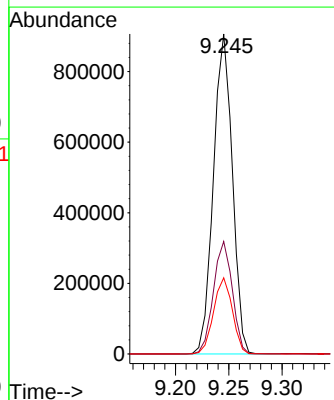
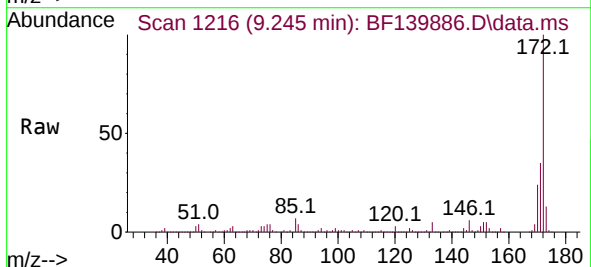
Instrument :
 BNA_F
 ClientSampleId :
 PAD-12

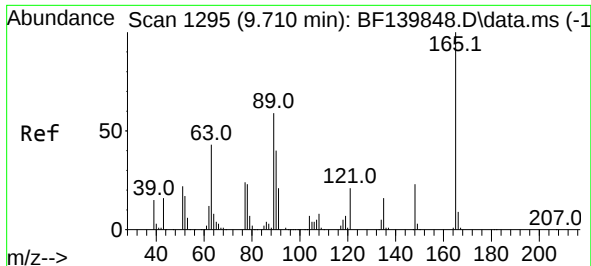
Tgt Ion:330 Resp: 37990
 Ion Ratio Lower Upper
 330 100
 332 100.2 78.1 117.1
 141 33.8 26.6 39.8



#45
 2-Fluorobiphenyl
 Concen: 54.703 ng
 RT: 9.245 min Scan# 1216
 Delta R.T. -0.006 min
 Lab File: BF139886.D
 Acq: 19 Oct 2024 22:03

Tgt Ion:172 Resp: 1120435
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.6 43.0
 170 23.8 19.1 28.7

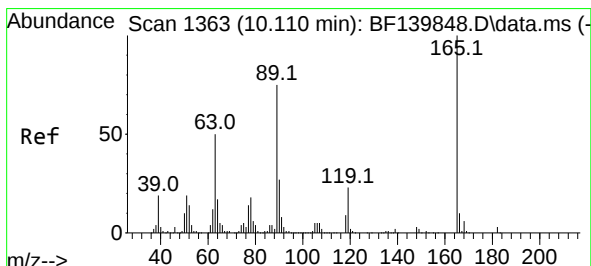
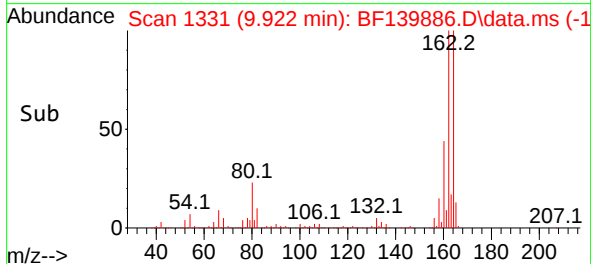
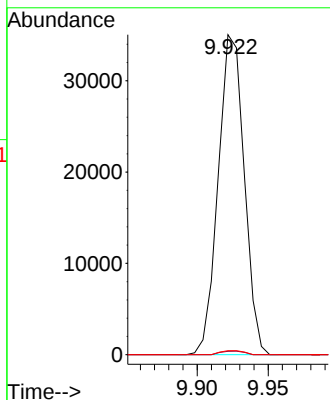
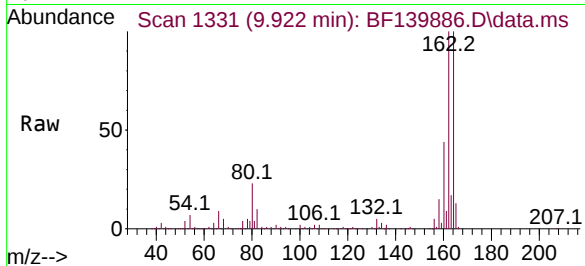




#51
2,6-Dinitrotoluene
Concen: 9.775 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF139886.D
Acq: 19 Oct 2024 22:03

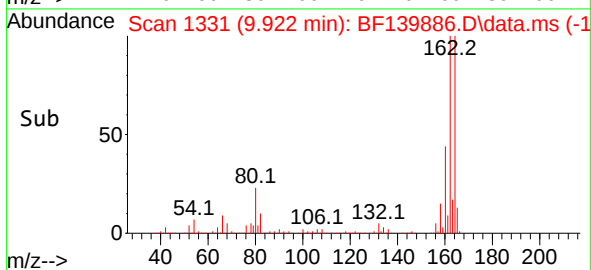
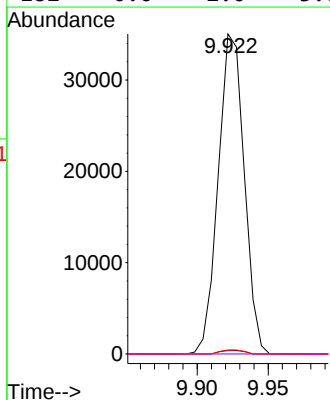
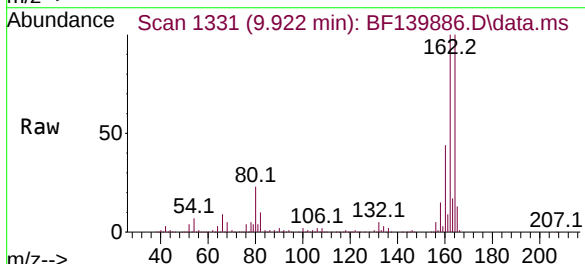
Instrument :
BNA_F
ClientSampleId :
PAD-12

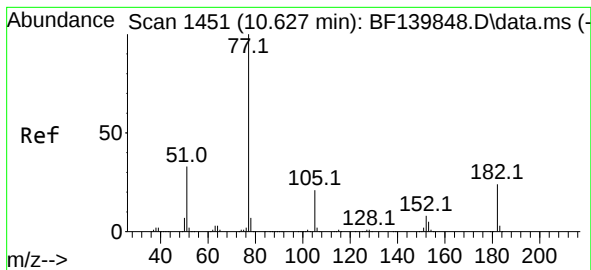
Tgt Ion:165 Resp: 44626
Ion Ratio Lower Upper
165 100
63 1.1 50.6 75.8#
89 1.3 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.949 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF139886.D
Acq: 19 Oct 2024 22:03

Tgt Ion:165 Resp: 44626
Ion Ratio Lower Upper
165 100
63 1.1 40.1 60.1#
89 1.3 60.4 90.6#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 3.372 ng

RT: 10.633 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF139886.D

Acq: 19 Oct 2024 22:03

Instrument :

BNA_F

ClientSampleId :

PAD-12

Tgt Ion: 77 Resp: 74015

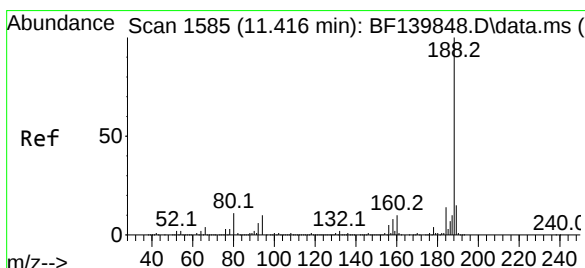
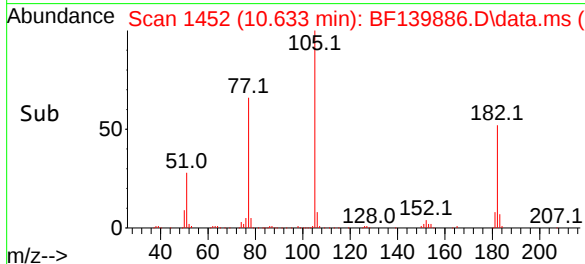
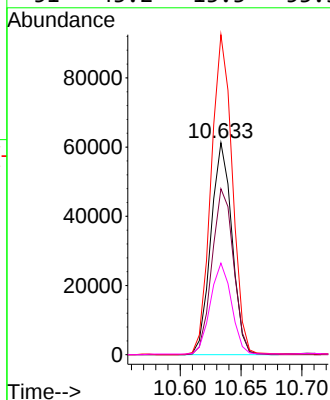
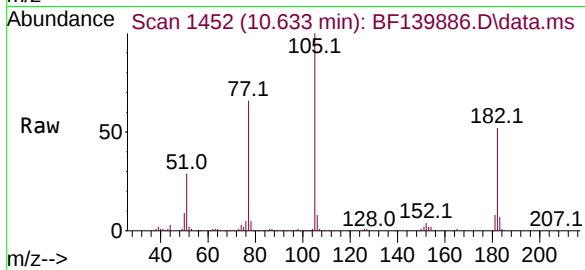
Ion Ratio Lower Upper

77 100

182 78.2 3.3 43.3#

105 150.9 1.2 41.2#

51 43.2 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF139886.D

Acq: 19 Oct 2024 22:03

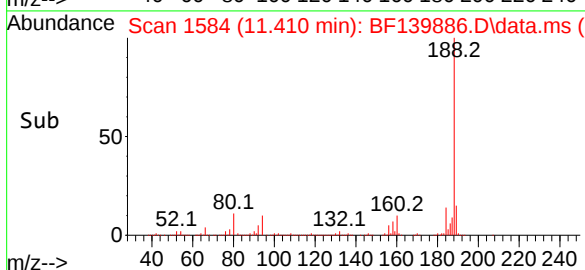
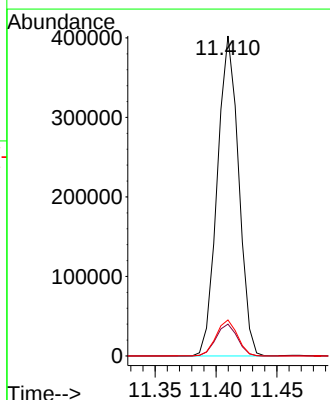
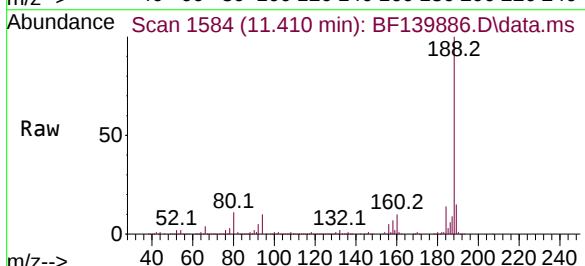
Tgt Ion:188 Resp: 490725

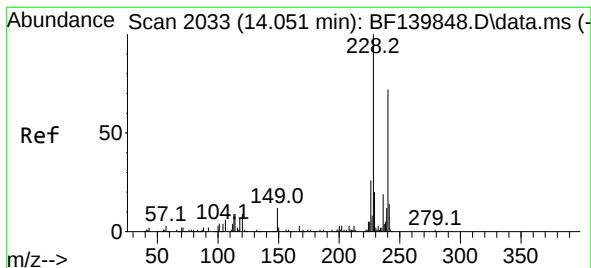
Ion Ratio Lower Upper

188 100

94 9.9 7.9 11.9

80 11.2 9.0 13.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF139886.D

Acq: 19 Oct 2024 22:03

Instrument :

BNA_F

ClientSampleId :

PAD-12

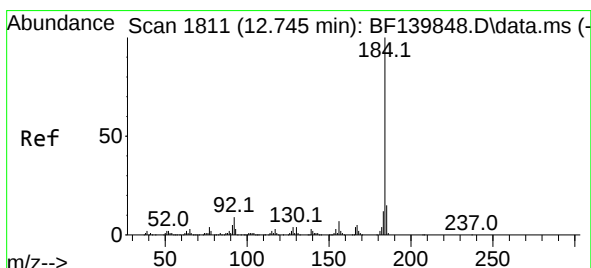
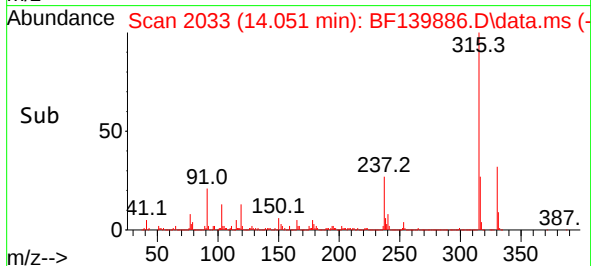
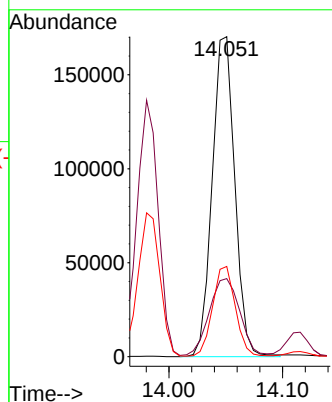
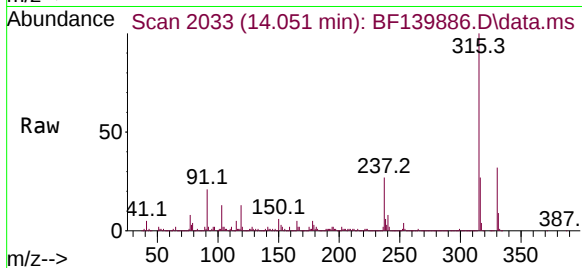
Tgt Ion:240 Resp: 235740

Ion Ratio Lower Upper

240 100

120 24.4 9.4 14.2#

236 28.2 20.9 31.3



#77

Benzidine

Concen: 3.148 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.247 min

Lab File: BF139886.D

Acq: 19 Oct 2024 22:03

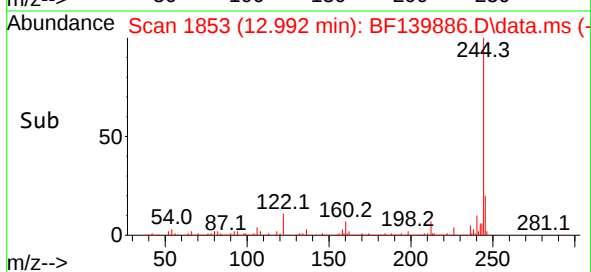
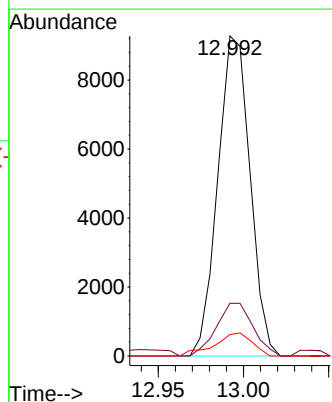
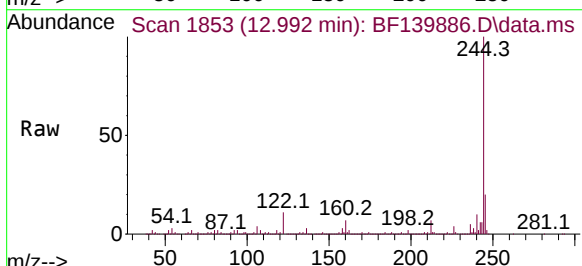
Tgt Ion:184 Resp: 12204

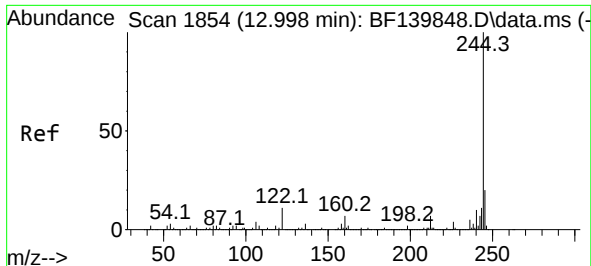
Ion Ratio Lower Upper

184 100

185 16.4 12.0 18.0

183 6.7 9.4 14.2#

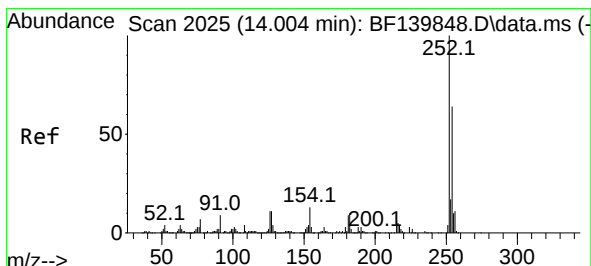
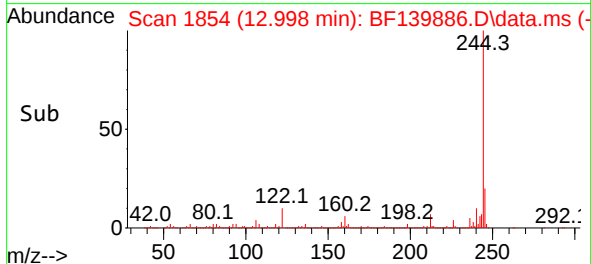
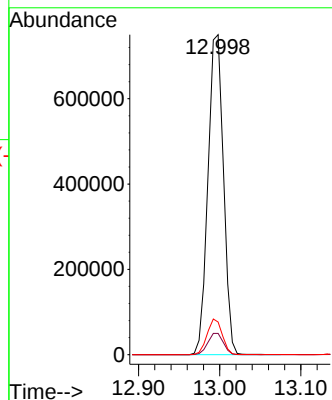
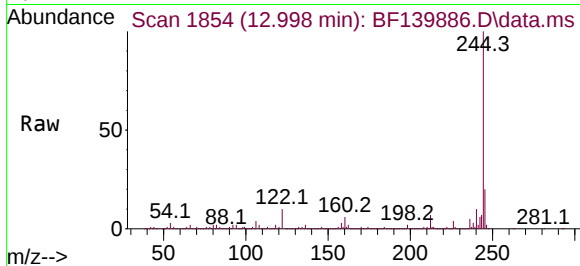




#79
 Terphenyl-d14
 Concen: 68.596 ng
 RT: 12.998 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF139886.D
 Acq: 19 Oct 2024 22:03

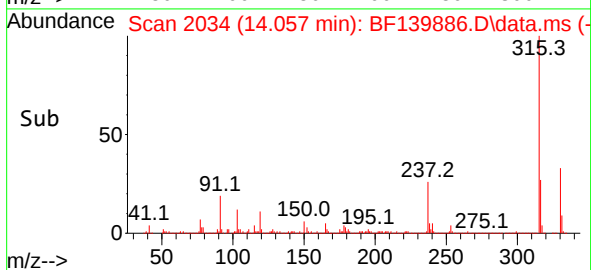
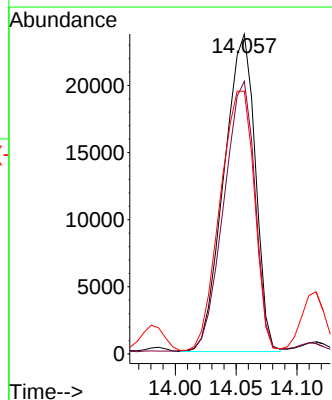
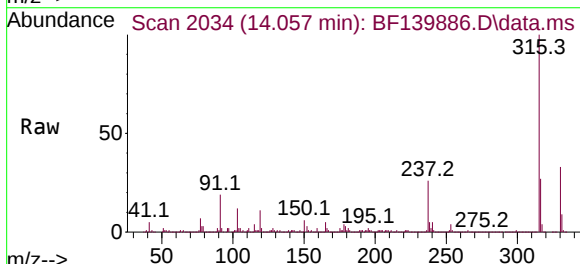
Instrument :
 BNA_F
 ClientSampleId :
 PAD-12

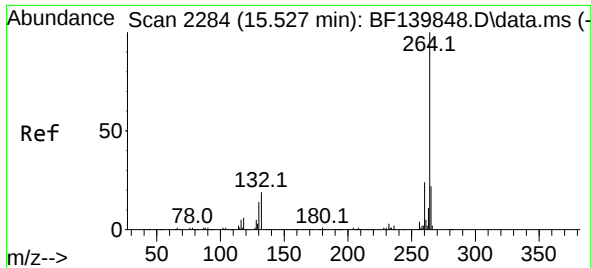
Tgt Ion:244 Resp: 992393
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.7 8.5
 122 10.2 8.6 13.0



#82
 3,3'-Dichlorobenzidine
 Concen: 9.455 ng
 RT: 14.057 min Scan# 2034
 Delta R.T. 0.053 min
 Lab File: BF139886.D
 Acq: 19 Oct 2024 22:03

Tgt Ion:252 Resp: 42303
 Ion Ratio Lower Upper
 252 100
 254 85.2 50.8 76.2#
 126 82.1 8.9 13.3#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF139886.D
 Acq: 19 Oct 2024 22:03

Instrument :
 BNA_F
 ClientSampleId :
 PAD-12

Tgt Ion:264 Resp: 275588
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.4 29.2
 265 21.7 17.4 26.0

