

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101924\
 Data File : BF139883.D
 Acq On : 19 Oct 2024 20:38
 Operator : RC/JU
 Sample : P4426-25
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAD-13

Quant Time: Oct 21 01:44:15 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	6.887	152	204683	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	784106	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	407138	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	608764	20.000	ng	0.00
76) Chrysene-d12	14.045	240	270871	20.000	ng	# 0.00
86) Perylene-d12	15.527	264	378751	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	532500	40.727	ng	0.00
7) Phenol-d6	6.504	99	1040611	61.452	ng	0.00
23) Nitrobenzene-d5	7.445	82	1009708	71.370	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	128849	33.834	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1843015	74.814	ng	0.00
79) Terphenyl-d14	12.998	244	1451780	87.335	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.445	70	139623	13.595	ng	# 79
25) Isophorone	7.445	82	1007175	37.508	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	53661	9.773	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	53661	7.947	ng	# 21
63) Azobenzene	10.634	77	145561	5.514	ng	# 1
69) Atrazine	11.028	200	11244	2.278	ng	# 51
77) Benzidine	12.998	184	17621	3.956	ng	# 90
82) 3,3'-Dichlorobenzidine	14.045	252	23597	4.590	ng	# 39

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

PAD-13

Response via : Initial Calibration

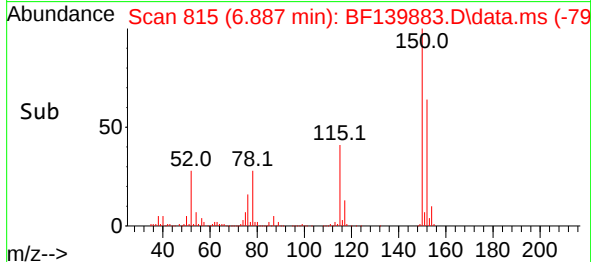
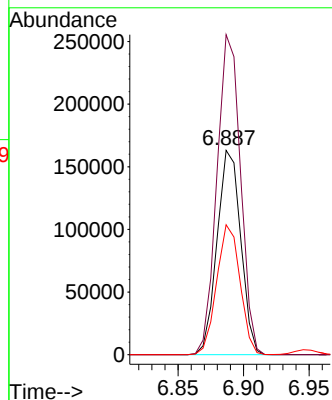
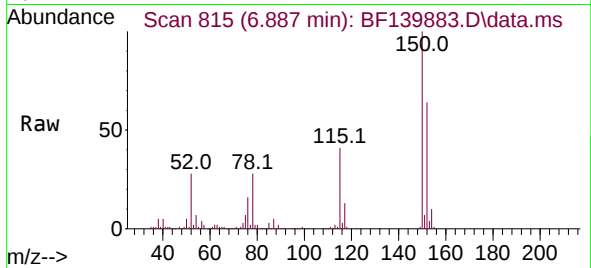




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF139883.D
Acq: 19 Oct 2024 20:38

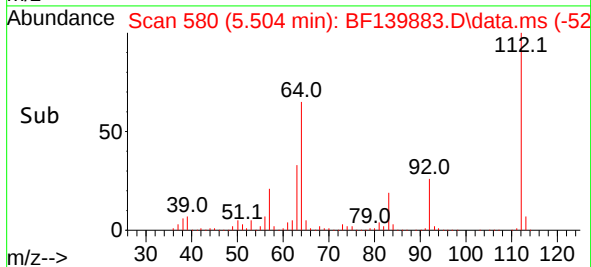
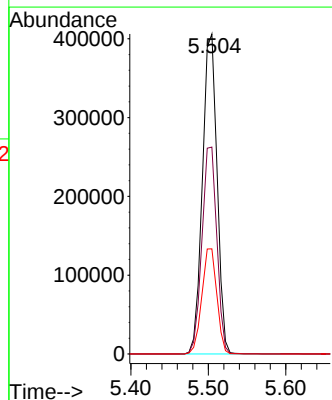
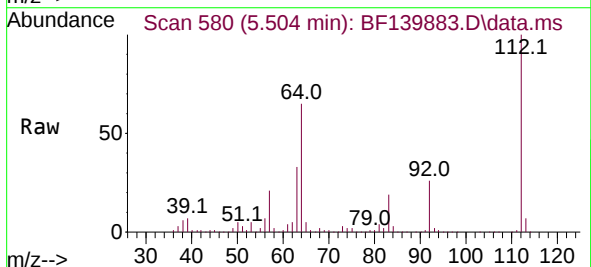
Instrument :
BNA_F
ClientSampleId :
PAD-13

Tgt Ion:152 Resp: 204683
Ion Ratio Lower Upper
152 100
150 156.6 130.2 195.2
115 63.5 51.4 77.2



#5
2-Fluorophenol
Concen: 40.727 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139883.D
Acq: 19 Oct 2024 20:38

Tgt Ion:112 Resp: 532500
Ion Ratio Lower Upper
112 100
64 64.6 53.0 79.6
63 32.9 27.0 40.4





#7

Phenol-d6

Concen: 61.452 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF139883.D

Acq: 19 Oct 2024 20:38

Instrument :

BNA_F

ClientSampleId :

PAD-13

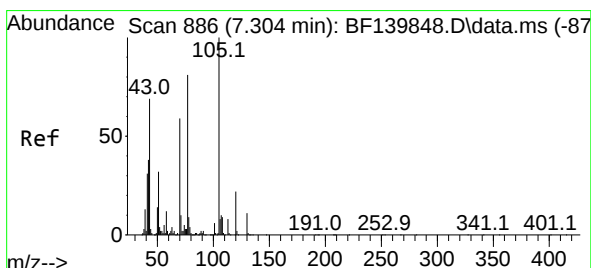
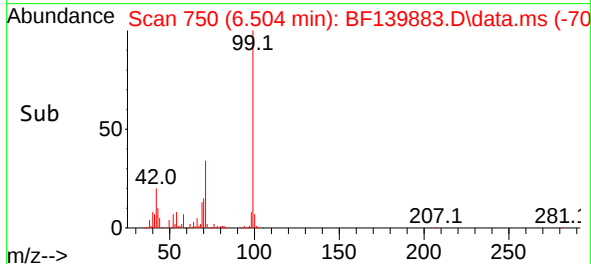
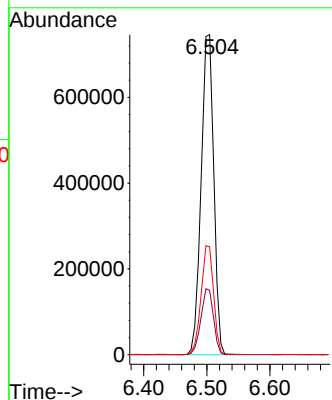
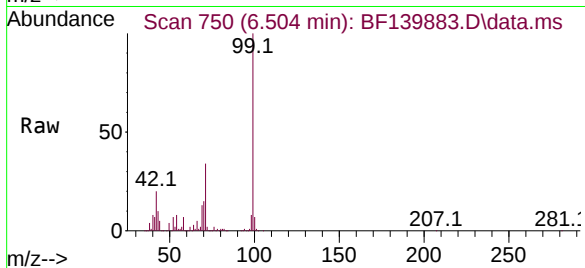
Tgt Ion: 99 Resp: 1040611

Ion Ratio Lower Upper

99 100

42 20.1 16.7 25.1

71 33.7 27.7 41.5



#19

n-Nitroso-di-n-propylamine

Concen: 13.595 ng

RT: 7.445 min Scan# 910

Delta R.T. 0.141 min

Lab File: BF139883.D

Acq: 19 Oct 2024 20:38

Tgt Ion: 70 Resp: 139623

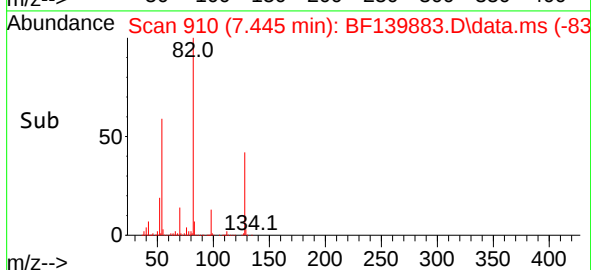
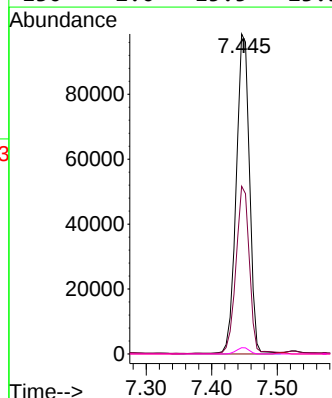
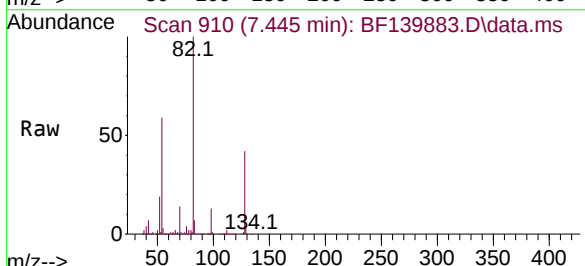
Ion Ratio Lower Upper

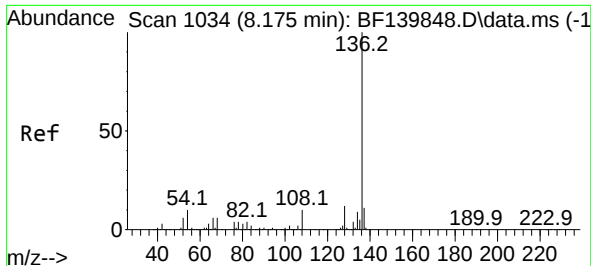
70 100

42 52.4 51.5 77.3

101 0.0 7.5 11.3#

130 2.0 15.5 23.3#

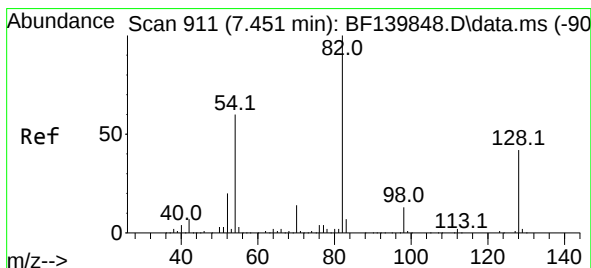
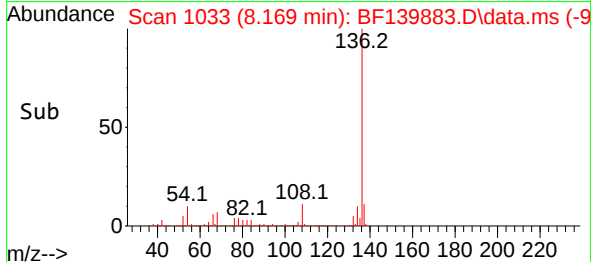
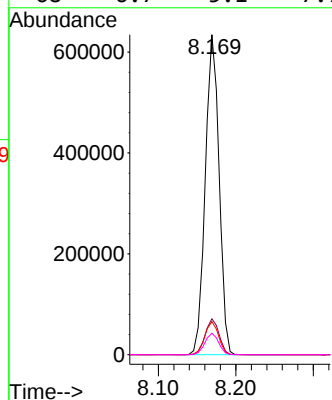
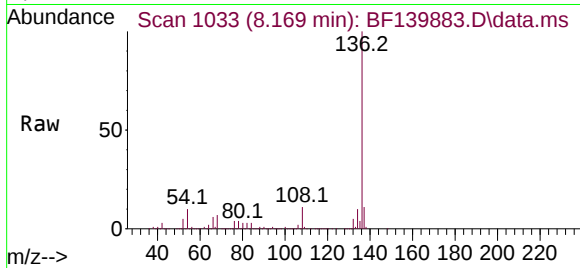




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139883.D
Acq: 19 Oct 2024 20:38

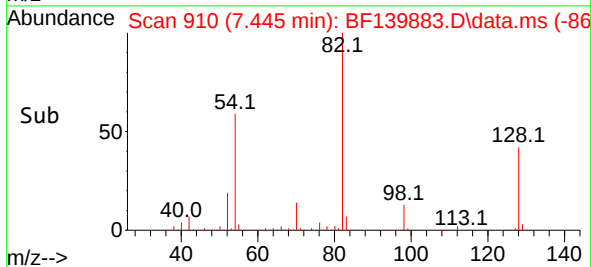
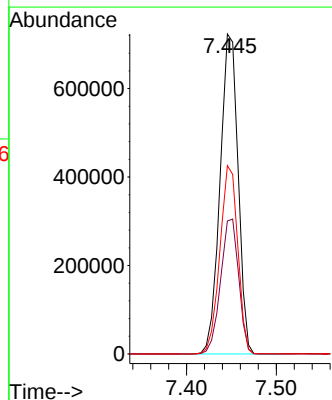
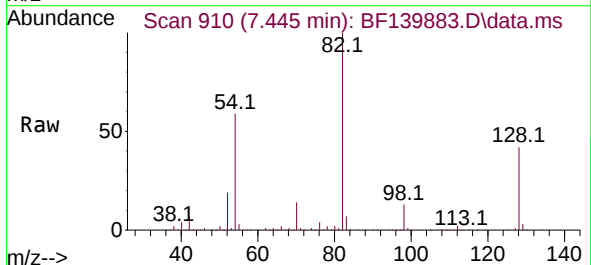
Instrument :
BNA_F
ClientSampleId :
PAD-13

Tgt Ion:	136	Resp:	784106
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	10.4	8.4	12.6
68	6.7	5.1	7.7



#23
Nitrobenzene-d5
Concen: 71.370 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139883.D
Acq: 19 Oct 2024 20:38

Tgt Ion:	82	Resp:	1009708
Ion	Ratio	Lower	Upper
82	100		
128	41.6	33.4	50.0
54	58.9	47.8	71.8

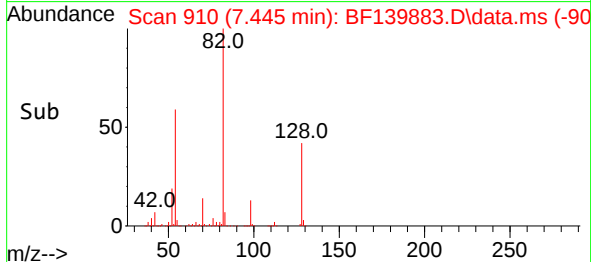
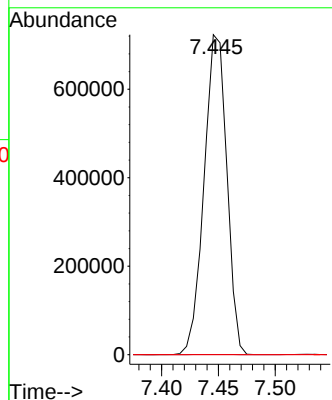
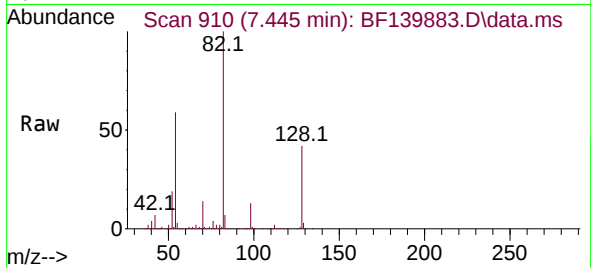




#25
Isophorone
Concen: 37.508 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.264 min
Lab File: BF139883.D
Acq: 19 Oct 2024 20:38

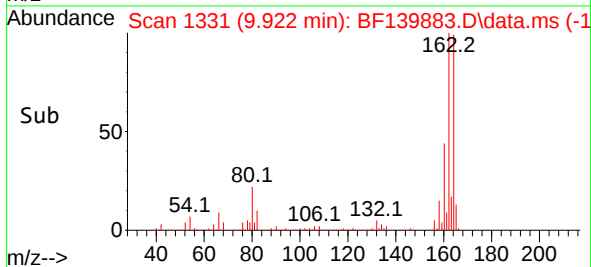
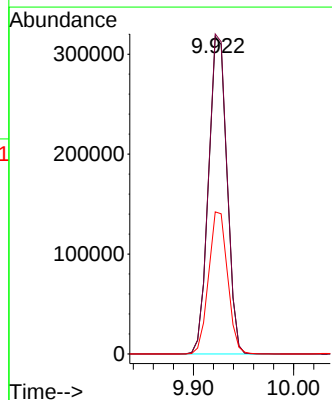
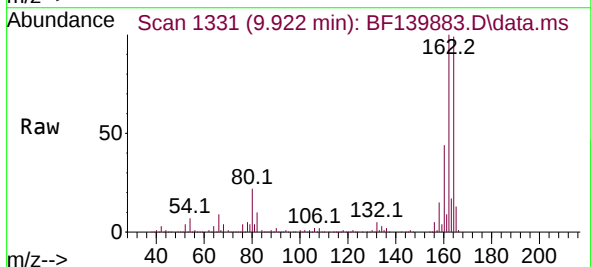
Instrument :
BNA_F
ClientSampleId :
PAD-13

Tgt Ion: 82 Resp: 1007175
Ion Ratio Lower Upper
82 100
95 0.1 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: BF139883.D
Acq: 19 Oct 2024 20:38

Tgt Ion:164 Resp: 407138
Ion Ratio Lower Upper
164 100
162 100.9 81.0 121.4
160 44.8 35.4 53.0

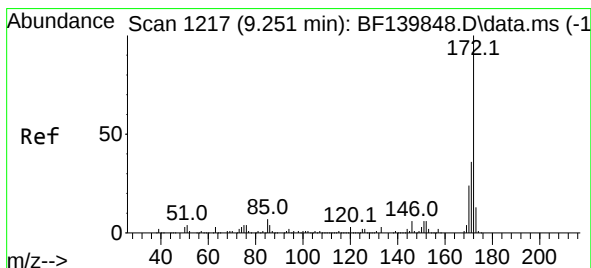
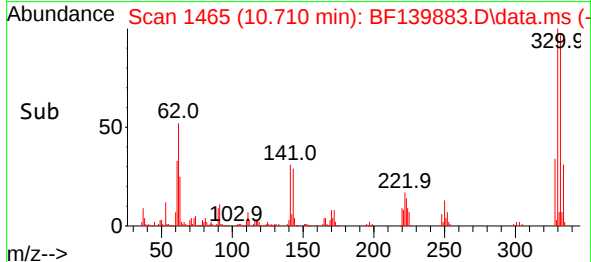
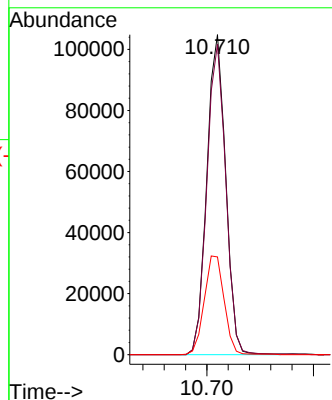
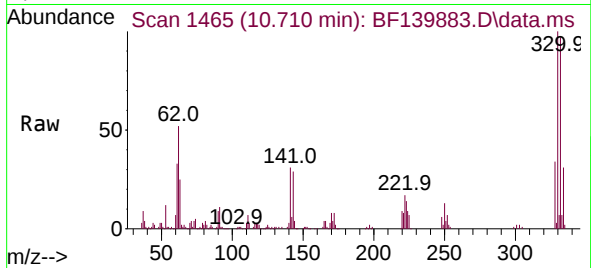




#42
2,4,6-Tribromophenol
Concen: 33.834 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139883.D
Acq: 19 Oct 2024 20:38

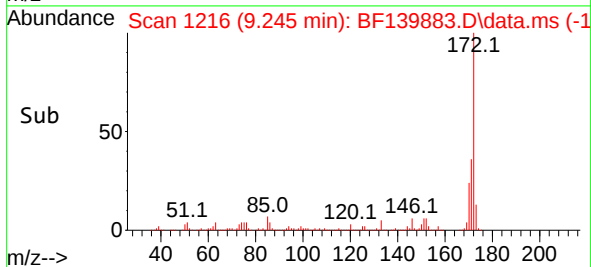
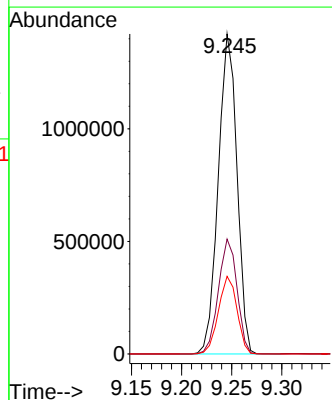
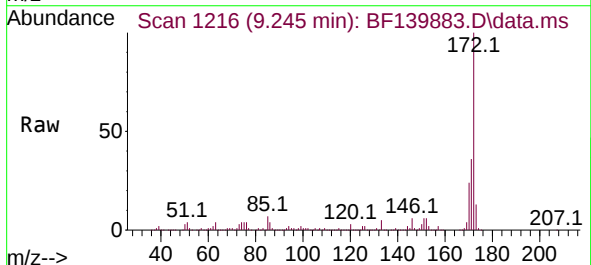
Instrument :
BNA_F
ClientSampleId :
PAD-13

Tgt Ion:330 Resp: 128849
Ion Ratio Lower Upper
330 100
332 97.2 78.1 117.1
141 32.6 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 74.814 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139883.D
Acq: 19 Oct 2024 20:38

Tgt Ion:172 Resp: 1843015
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 24.2 19.1 28.7

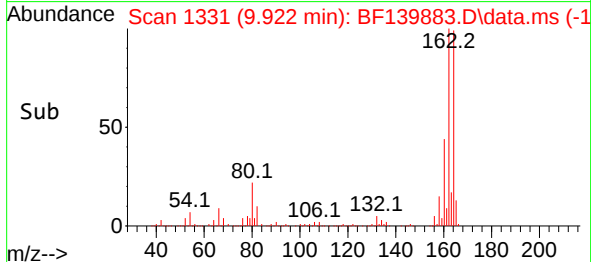
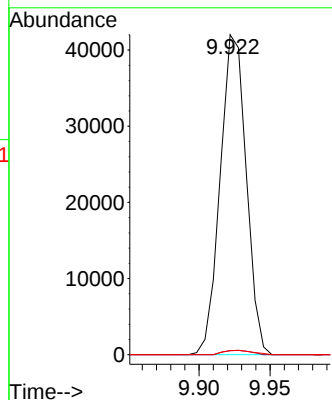
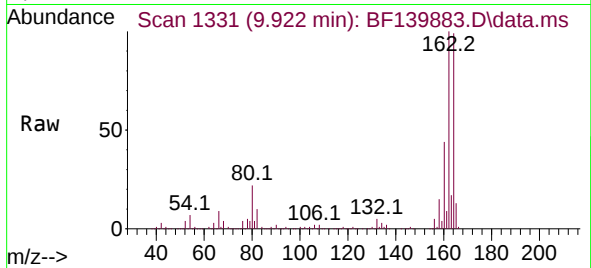




#51
2,6-Dinitrotoluene
Concen: 9.773 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139883.D
Acq: 19 Oct 2024 20:38

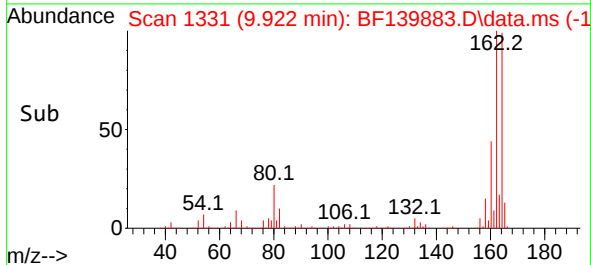
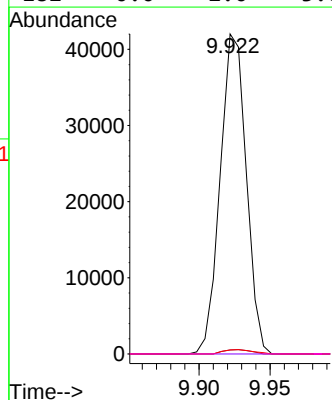
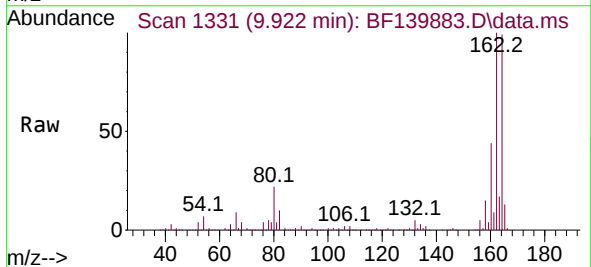
Instrument :
BNA_F
ClientSampleId :
PAD-13

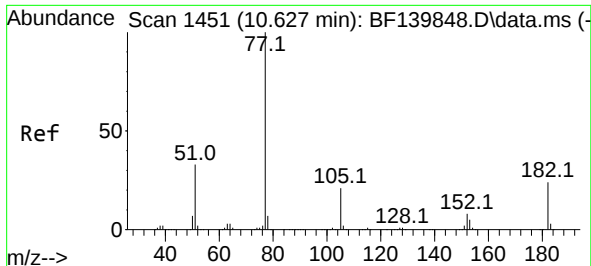
Tgt Ion:165 Resp: 53661
Ion Ratio Lower Upper
165 100
63 1.3 50.6 75.8#
89 1.3 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.947 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF139883.D
Acq: 19 Oct 2024 20:38

Tgt Ion:165 Resp: 53661
Ion Ratio Lower Upper
165 100
63 1.3 40.1 60.1#
89 1.3 60.4 90.6#
182 0.0 2.0 3.0#

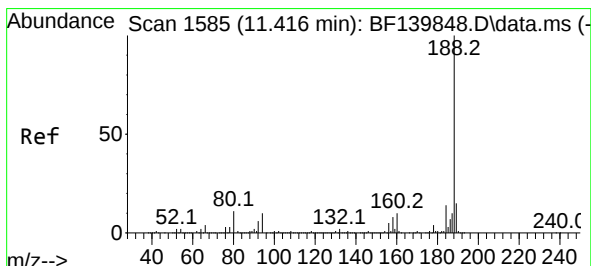
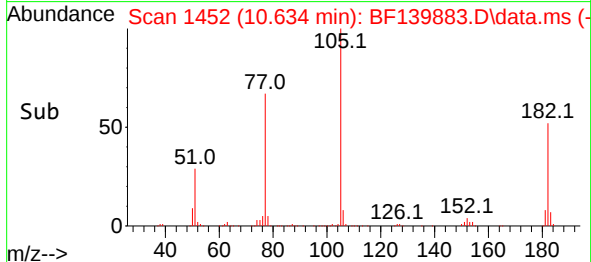
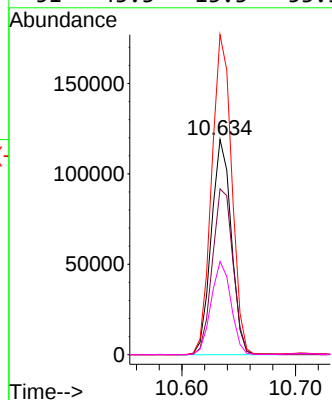
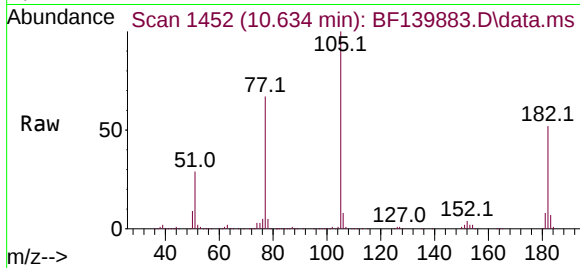




#63
Azobenzene
Concen: 5.514 ng
RT: 10.634 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF139883.D
Acq: 19 Oct 2024 20:38

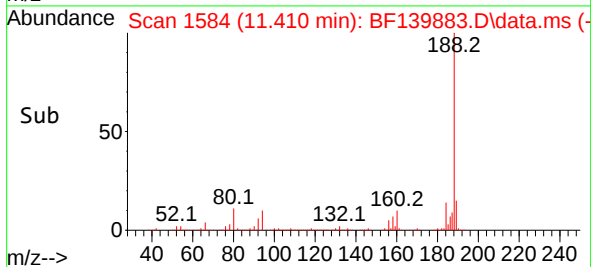
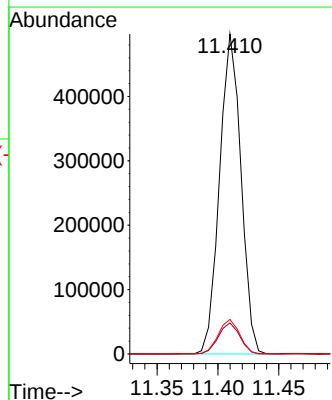
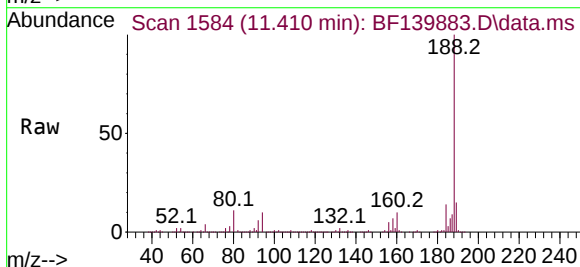
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BNA_F
ClientSampleId :
PAD-13

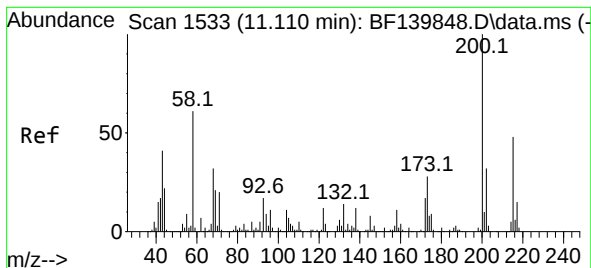
Tgt Ion: 77 Resp: 145561
Ion Ratio Lower Upper
77 100
182 77.1 3.3 43.3#
105 148.7 1.2 41.2#
51 43.3 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139883.D
Acq: 19 Oct 2024 20:38

Tgt Ion: 188 Resp: 608764
Ion Ratio Lower Upper
188 100
94 9.7 7.9 11.9
80 10.8 9.0 13.4





#69

Atrazine

Concen: 2.278 ng

RT: 11.028 min Scan# 1

Delta R.T. -0.082 min

Lab File: BF139883.D

Acq: 19 Oct 2024 20:38

Instrument :

BNA_F

ClientSampleId :

PAD-13

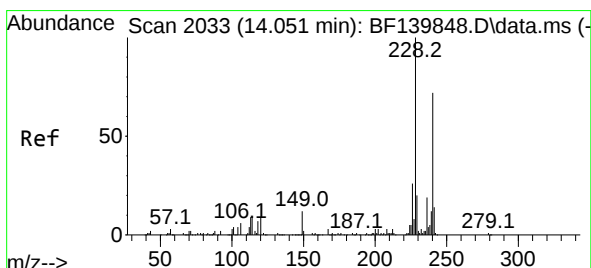
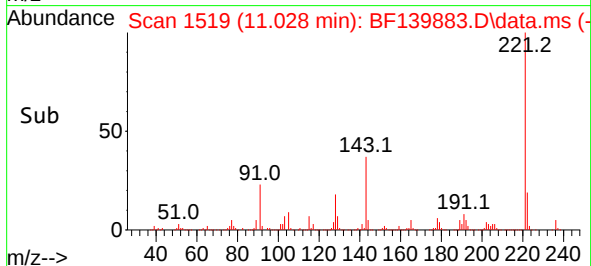
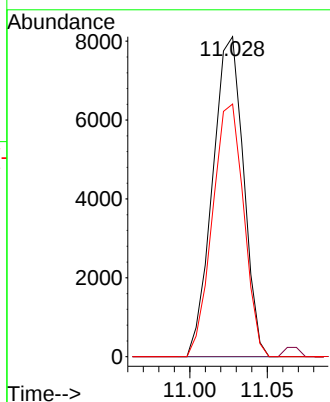
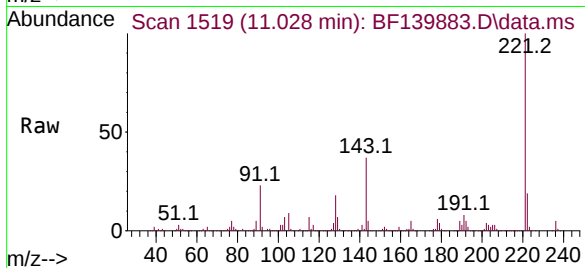
Tgt Ion:200 Resp: 11244

Ion Ratio Lower Upper

200 100

173 0.0 7.7 47.7#

215 78.9 27.7 67.7#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF139883.D

Acq: 19 Oct 2024 20:38

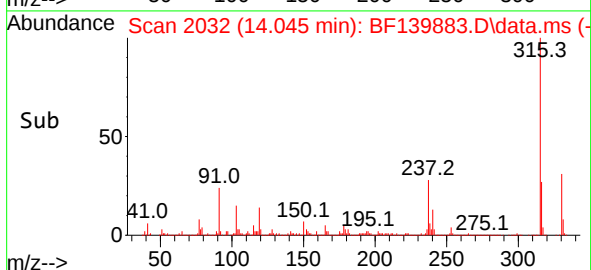
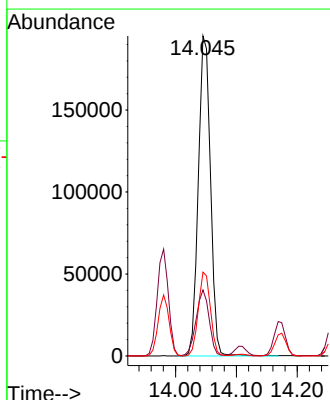
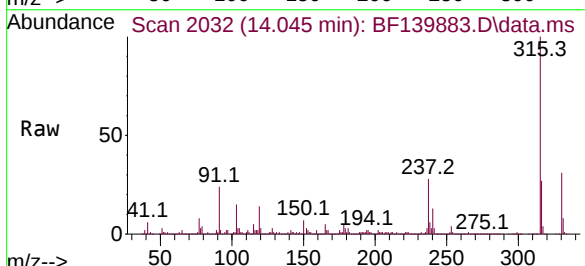
Tgt Ion:240 Resp: 270871

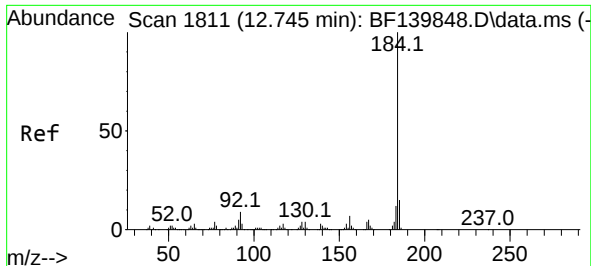
Ion Ratio Lower Upper

240 100

120 20.6 9.4 14.2#

236 26.2 20.9 31.3

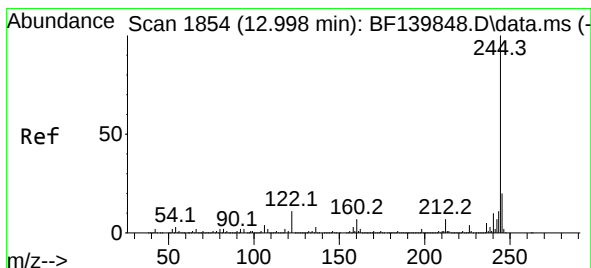
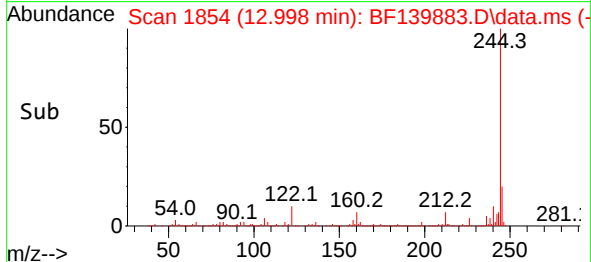
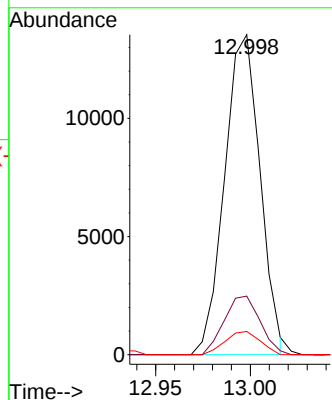
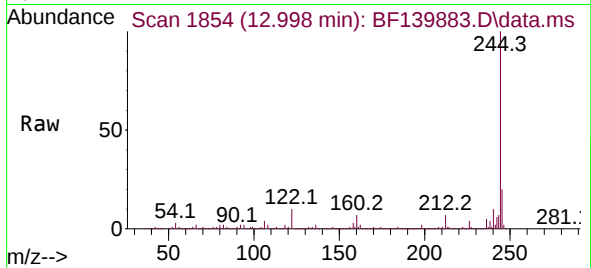




#77
Benzidine
Concen: 3.956 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.253 min
Lab File: BF139883.D
Acq: 19 Oct 2024 20:38

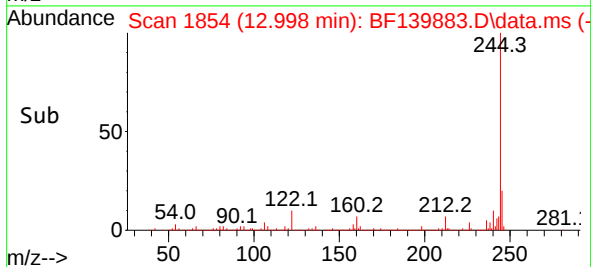
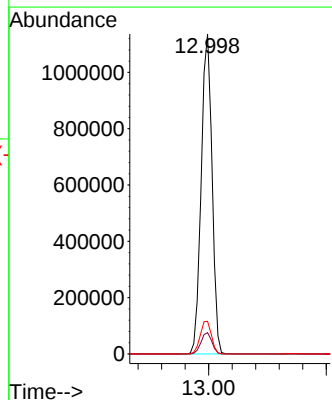
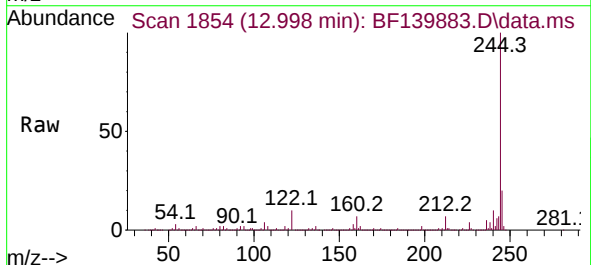
Instrument :
BNA_F
ClientSampleId :
PAD-13

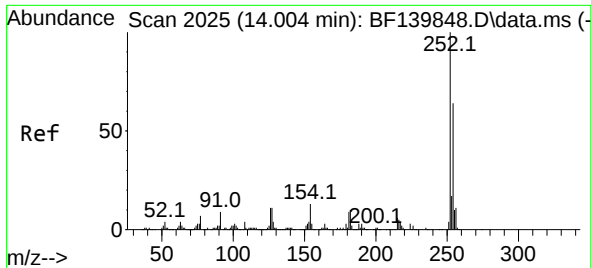
Tgt Ion:184 Resp: 17621
Ion Ratio Lower Upper
184 100
185 18.3 12.0 18.0#
183 7.2 9.4 14.2#



#79
Terphenyl-d14
Concen: 87.335 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF139883.D
Acq: 19 Oct 2024 20:38

Tgt Ion:244 Resp: 1451780
Ion Ratio Lower Upper
244 100
212 6.7 5.7 8.5
122 10.2 8.6 13.0

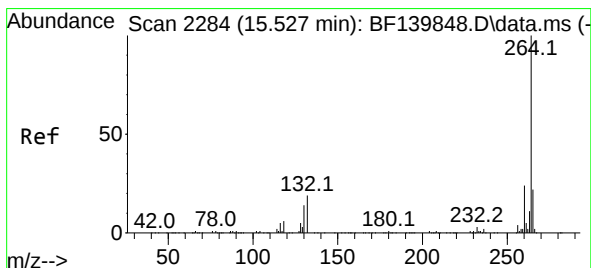
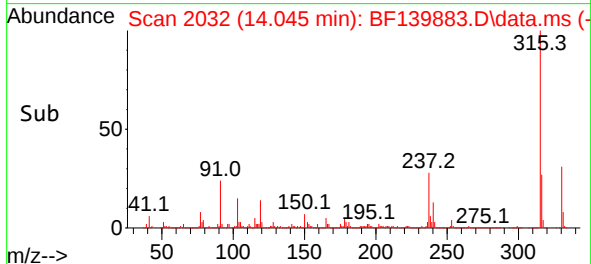
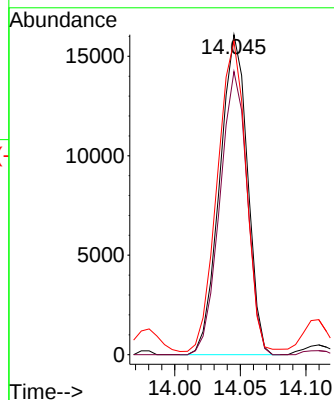
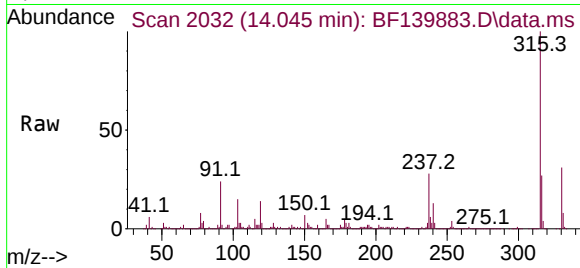




#82
3,3'-Dichlorobenzidine
Concen: 4.590 ng
RT: 14.045 min Scan# 20
Delta R.T. 0.041 min
Lab File: BF139883.D
Acq: 19 Oct 2024 20:38

Instrument :
BNA_F
ClientSampleId :
PAD-13

Tgt Ion:252 Resp: 23597
Ion Ratio Lower Upper
252 100
254 88.5 50.8 76.2#
126 97.9 8.9 13.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF139883.D
Acq: 19 Oct 2024 20:38

Tgt Ion:264 Resp: 378751
Ion Ratio Lower Upper
264 100
260 23.6 19.4 29.2
265 21.2 17.4 26.0

