

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
 Data File : BF140264.D
 Acq On : 07 Nov 2024 10:28
 Operator : RC/JU
 Sample : P4701-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-F3

Quant Time: Nov 07 11:13:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

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

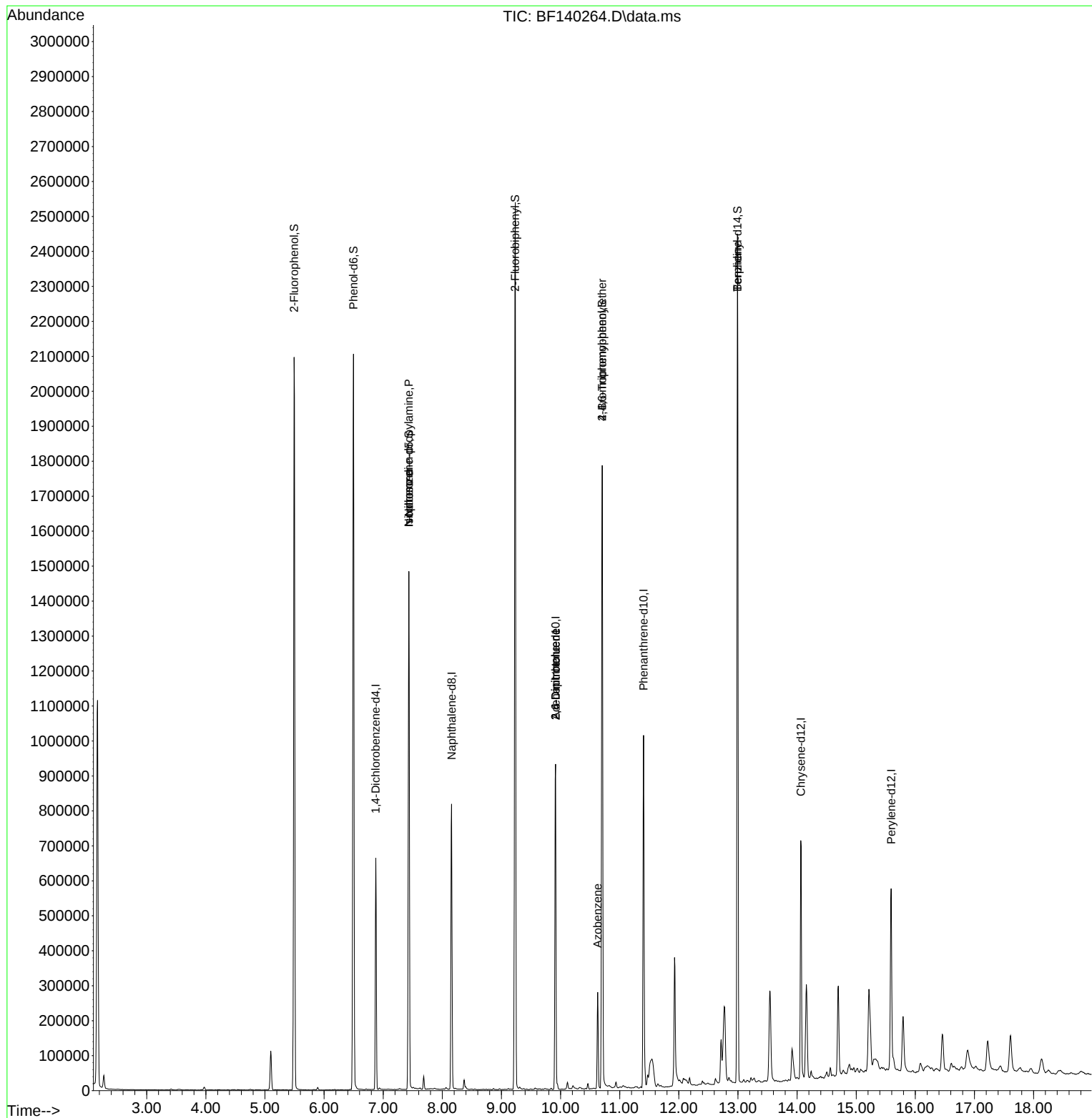
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	130248	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	505005	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	290091	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	527573	20.000	ng	0.00
76) Chrysene-d12	14.062	240	344724	20.000	ng	0.00
86) Perylene-d12	15.592	264	298115	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	765921	97.452	ng	0.00
7) Phenol-d6	6.498	99	981195	97.059	ng	0.00
23) Nitrobenzene-d5	7.433	82	654321	64.419	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	303066	105.694	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1155023	63.578	ng	0.00
79) Terphenyl-d14	12.992	244	1186899	56.401	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.433	70	89619	13.896	ng	# 75
25) Isophorone	7.433	82	645737	36.921	ng	# 67
51) 2,6-Dinitrotoluene	9.916	165	37642	8.964	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	37642	6.907	ng	# 19
63) Azobenzene	10.627	77	70743	3.844	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	19161	3.373	ng	# 1
77) Benzidine	12.992	184	15383	2.282	ng	# 94

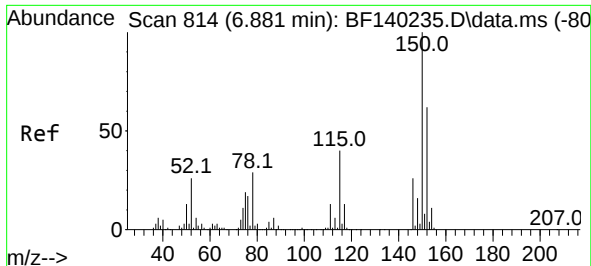
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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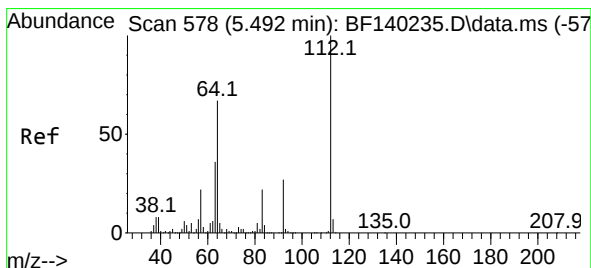
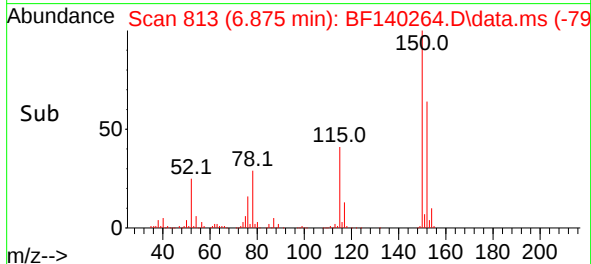
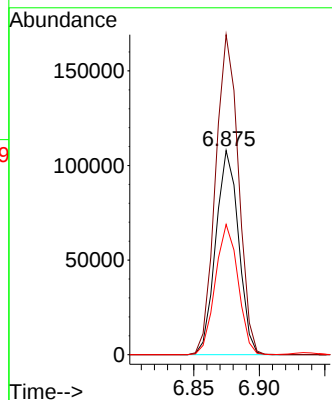
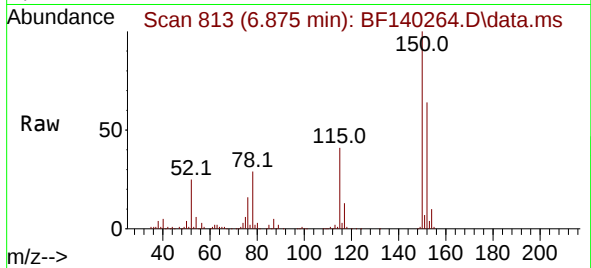




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140264.D
Acq: 07 Nov 2024 10:28

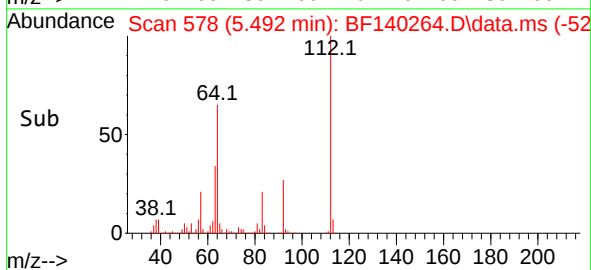
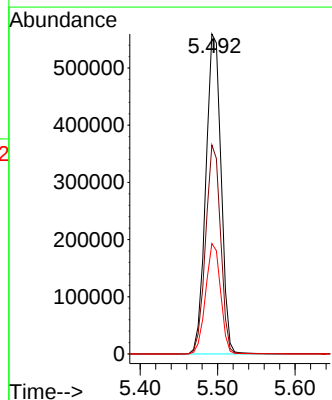
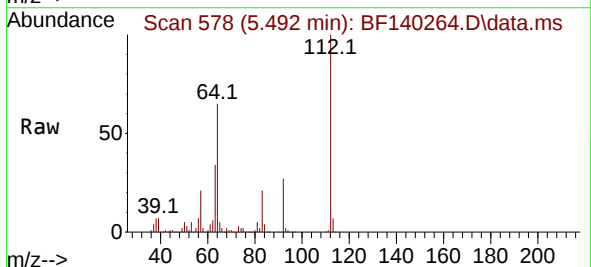
Instrument :
BNA_F
ClientSampleId :
BP-F3

Tgt Ion:152 Resp: 130248
Ion Ratio Lower Upper
152 100
150 156.8 129.4 194.2
115 63.8 51.5 77.3



#5
2-Fluorophenol
Concen: 97.452 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF140264.D
Acq: 07 Nov 2024 10:28

Tgt Ion:112 Resp: 765921
Ion Ratio Lower Upper
112 100
64 65.3 53.4 80.2
63 34.5 28.9 43.3

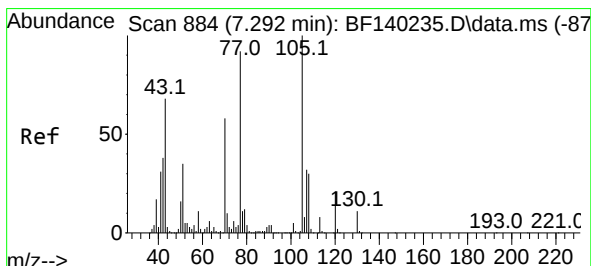
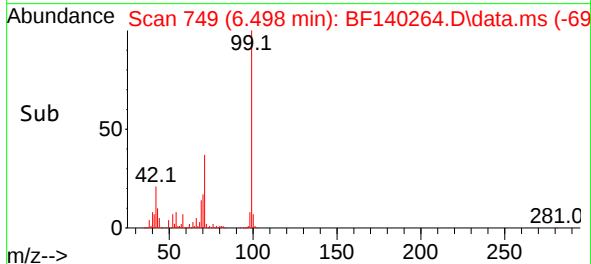
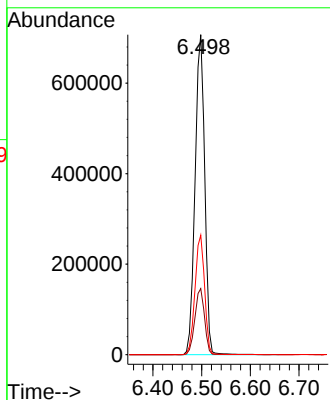
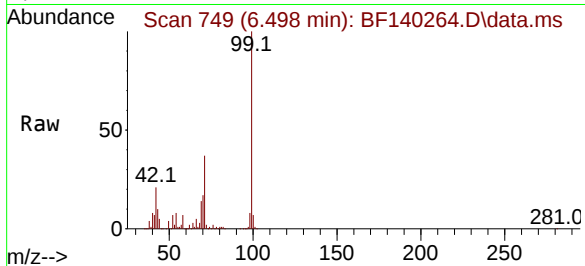




#7
Phenol-d6
Concen: 97.059 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF140264.D
Acq: 07 Nov 2024 10:28

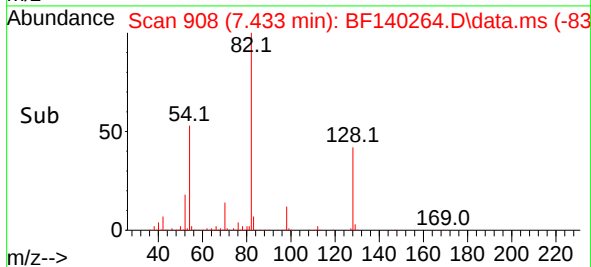
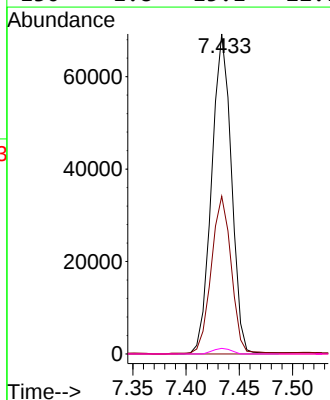
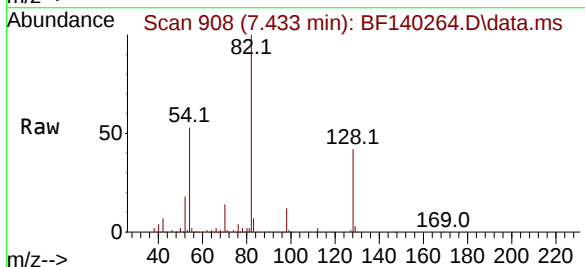
Instrument :
BNA_F
ClientSampleId :
BP-F3

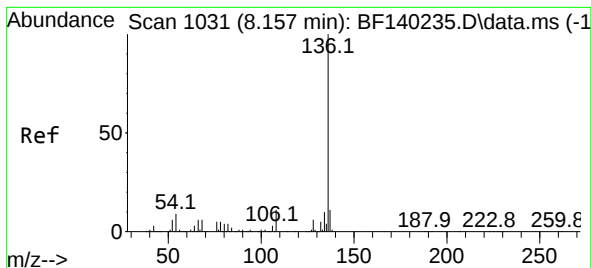
Tgt Ion: 99 Resp: 981195
Ion Ratio Lower Upper
99 100
42 20.6 18.2 27.2
71 37.3 30.9 46.3



#19
n-Nitroso-di-n-propylamine
Concen: 13.896 ng
RT: 7.433 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140264.D
Acq: 07 Nov 2024 10:28

Tgt Ion: 70 Resp: 89619
Ion Ratio Lower Upper
70 100
42 49.3 52.8 79.2#
101 0.0 7.4 11.2#
130 1.8 15.1 22.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140264.D

Acq: 07 Nov 2024 10:28

Instrument :

BNA_F

ClientSampleId :

BP-F3

Tgt Ion:136 Resp: 505005

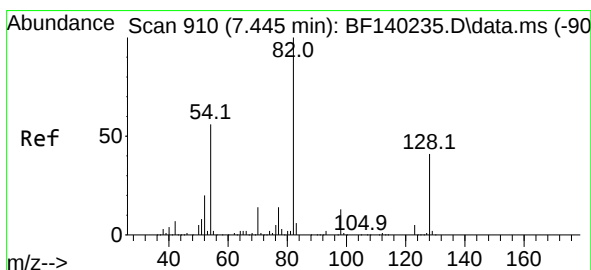
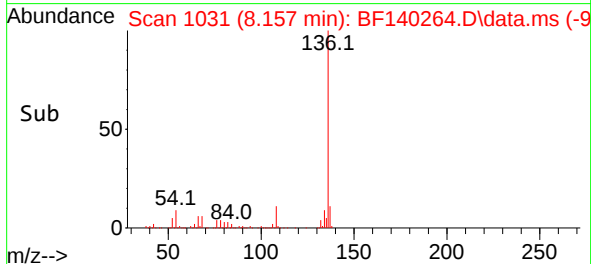
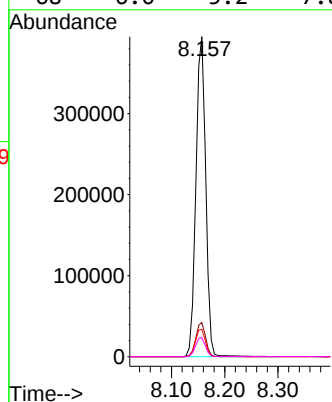
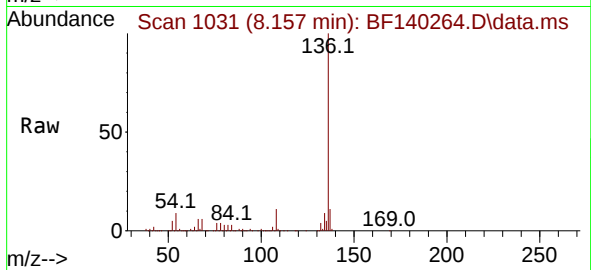
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.6

54 8.6 7.7 11.5

68 6.0 5.2 7.8



#23

Nitrobenzene-d5

Concen: 64.419 ng

RT: 7.433 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF140264.D

Acq: 07 Nov 2024 10:28

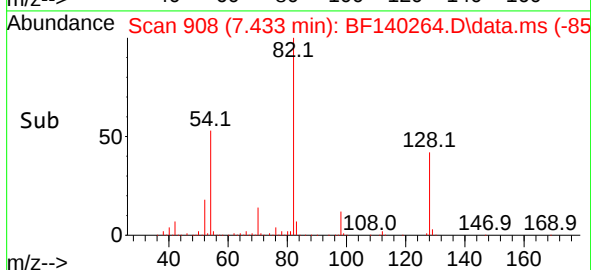
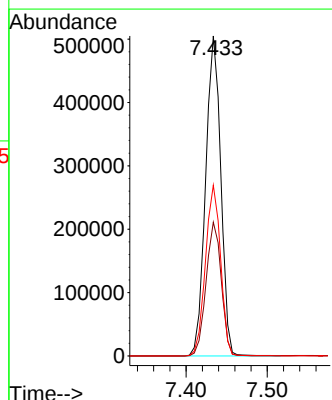
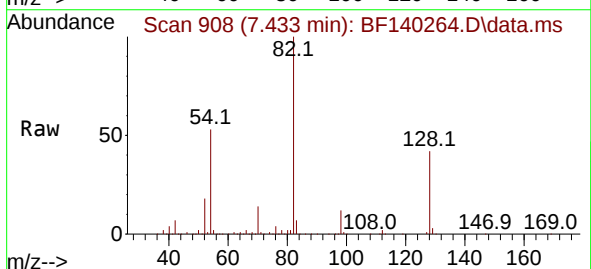
Tgt Ion: 82 Resp: 654321

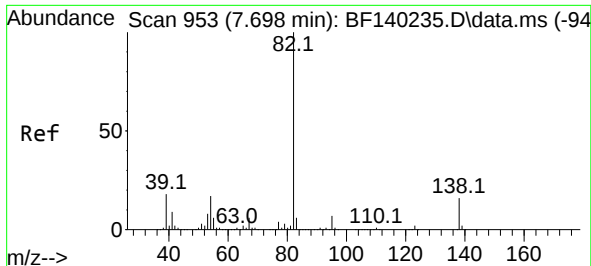
Ion Ratio Lower Upper

82 100

128 41.8 32.8 49.2

54 53.4 44.3 66.5

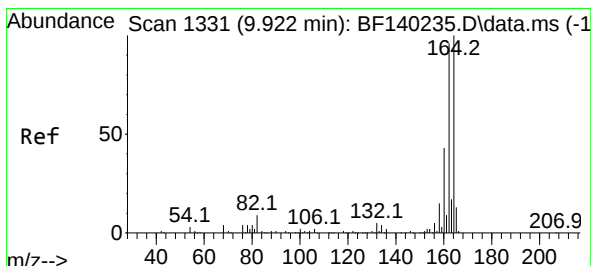
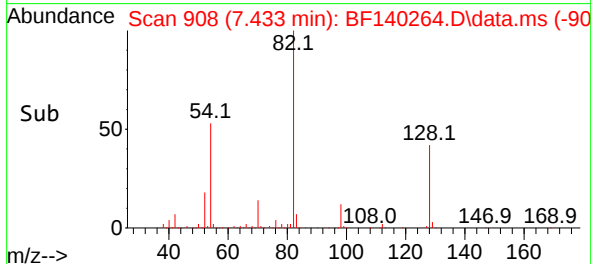
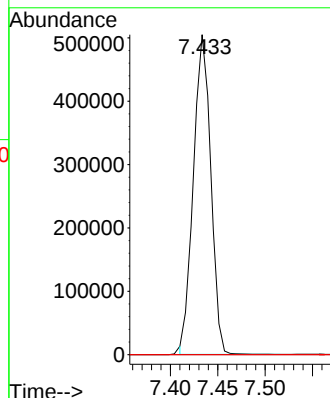
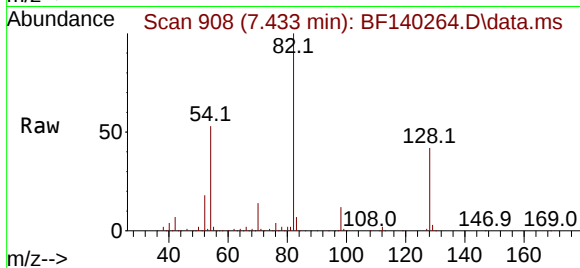




#25
Isophorone
Concen: 36.921 ng
RT: 7.433 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140264.D
Acq: 07 Nov 2024 10:28

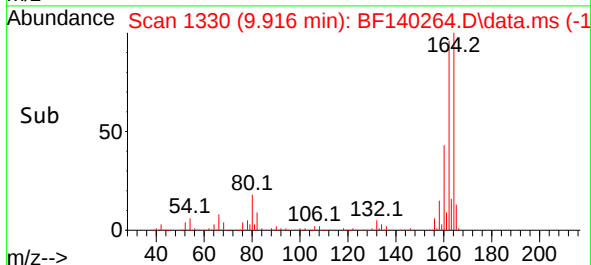
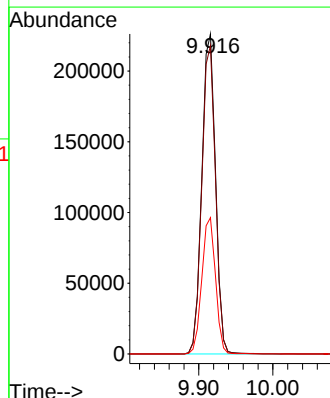
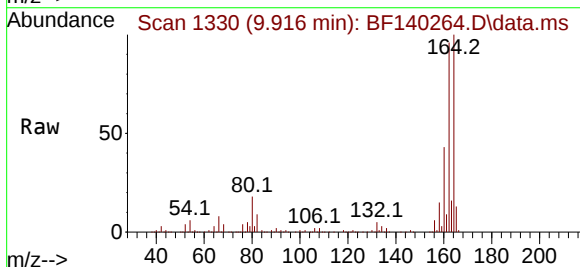
Instrument :
BNA_F
ClientSampleId :
BP-F3

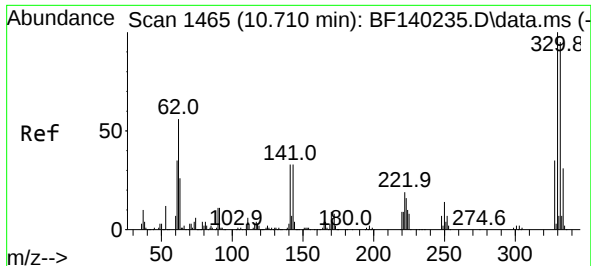
Tgt Ion: 82 Resp: 645737
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF140264.D
Acq: 07 Nov 2024 10:28

Tgt Ion:164 Resp: 290091
Ion Ratio Lower Upper
164 100
162 96.4 77.0 115.4
160 42.6 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 105.694 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF140264.D

Acq: 07 Nov 2024 10:28

Instrument :

BNA_F

ClientSampleId :

BP-F3

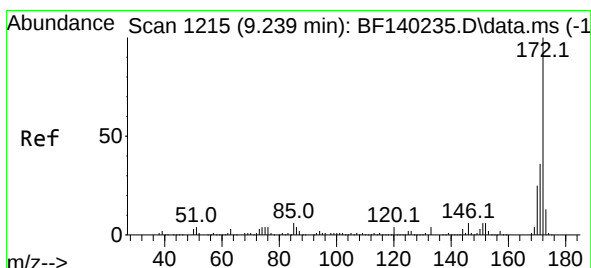
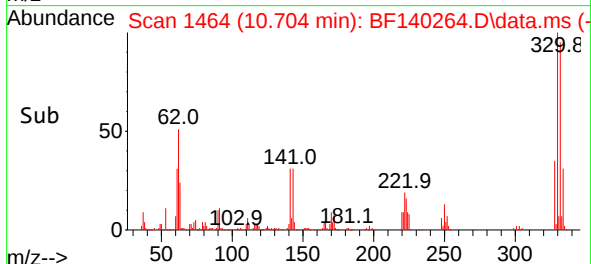
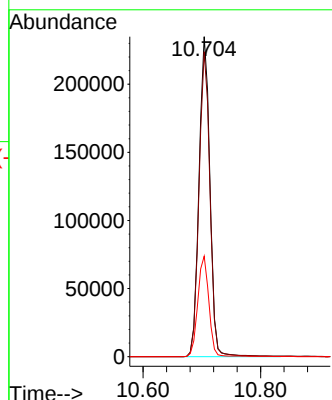
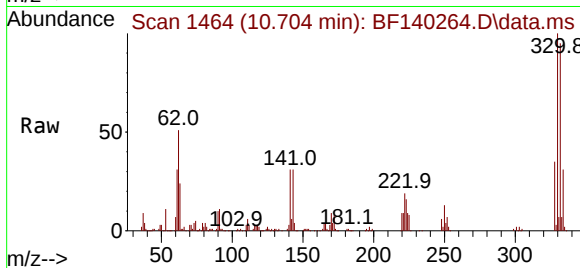
Tgt Ion:330 Resp: 303066

Ion Ratio Lower Upper

330 100

332 95.7 76.4 114.6

141 31.8 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 63.578 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF140264.D

Acq: 07 Nov 2024 10:28

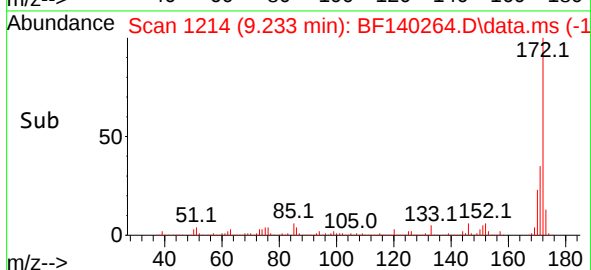
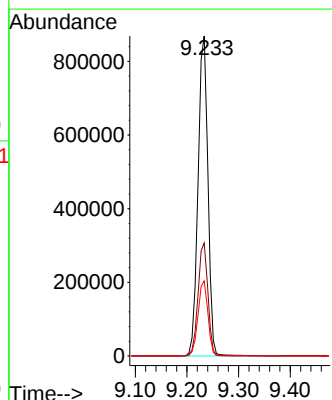
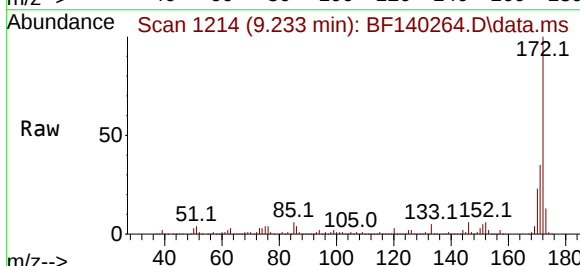
Tgt Ion:172 Resp: 1155023

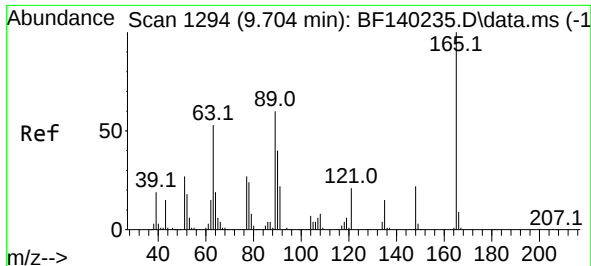
Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 23.5 19.6 29.4

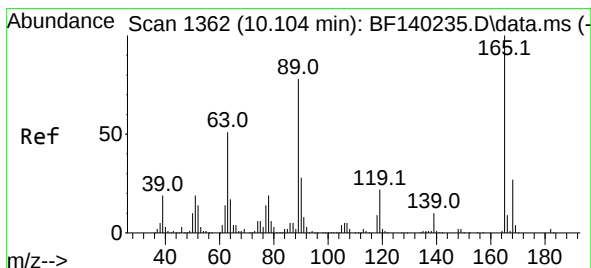
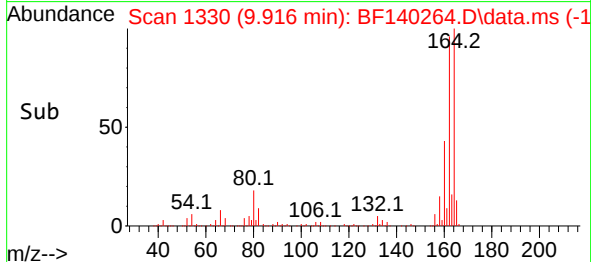
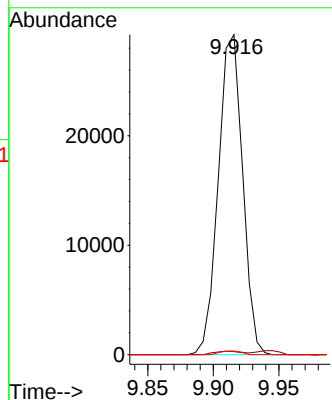
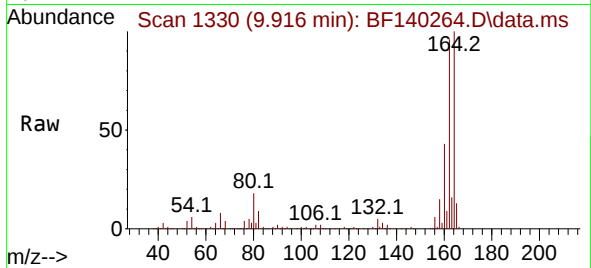




#51
2,6-Dinitrotoluene
Concen: 8.964 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140264.D
Acq: 07 Nov 2024 10:28

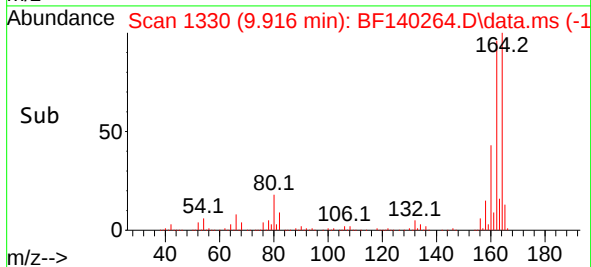
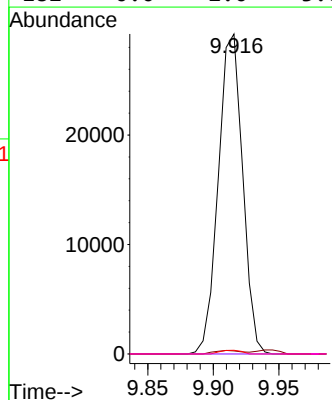
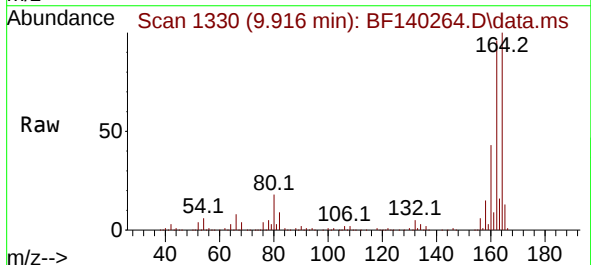
Instrument :
BNA_F
ClientSampleId :
BP-F3

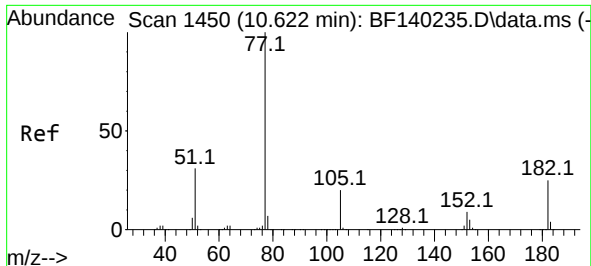
Tgt Ion:165 Resp: 37642
Ion Ratio Lower Upper
165 100
63 1.0 48.8 73.2#
89 1.2 48.1 72.1#



#57
2,4-Dinitrotoluene
Concen: 6.907 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.188 min
Lab File: BF140264.D
Acq: 07 Nov 2024 10:28

Tgt Ion:165 Resp: 37642
Ion Ratio Lower Upper
165 100
63 1.0 41.3 61.9#
89 1.2 62.6 94.0#
182 0.0 2.0 3.0#

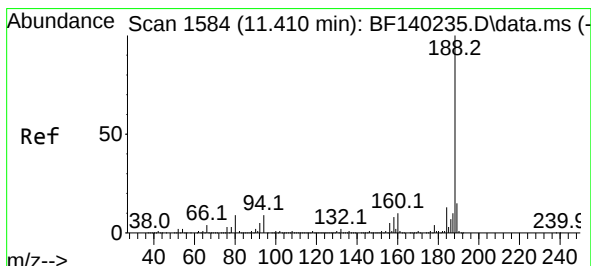
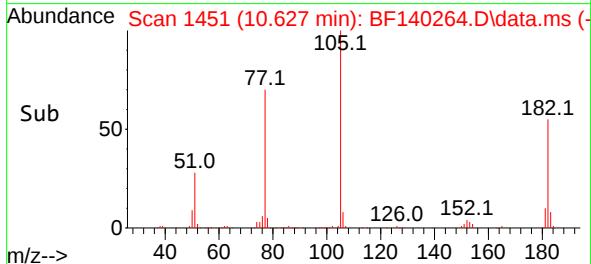
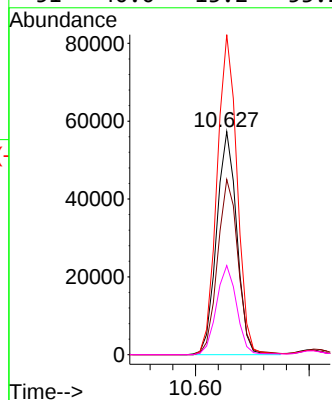
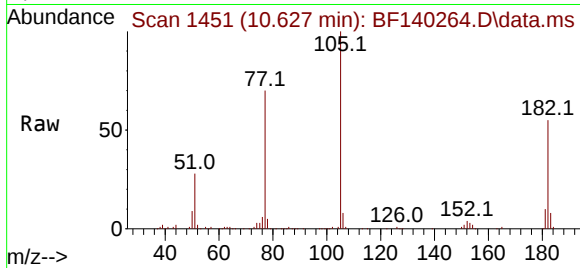




#63
Azobenzene
Concen: 3.844 ng
RT: 10.627 min Scan# 1450
Delta R.T. 0.006 min
Lab File: BF140264.D
Acq: 07 Nov 2024 10:28

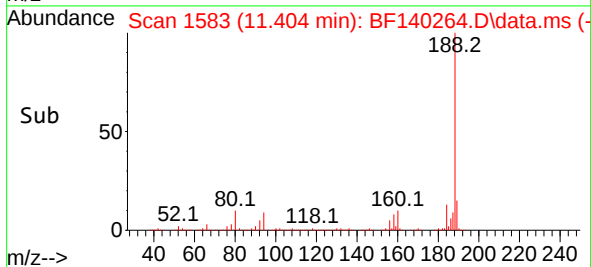
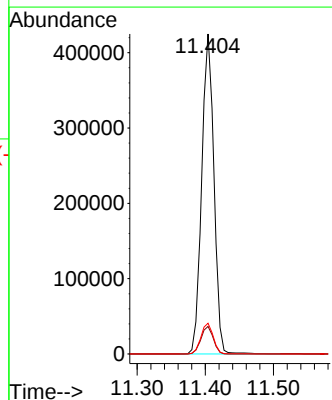
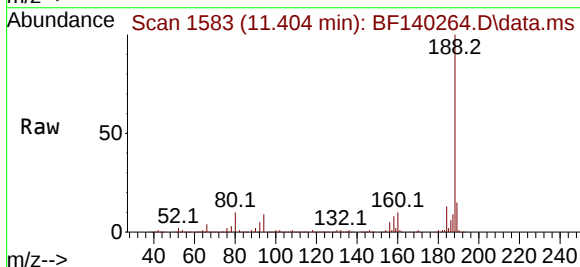
Instrument :
BNA_F
ClientSampleId :
BP-F3

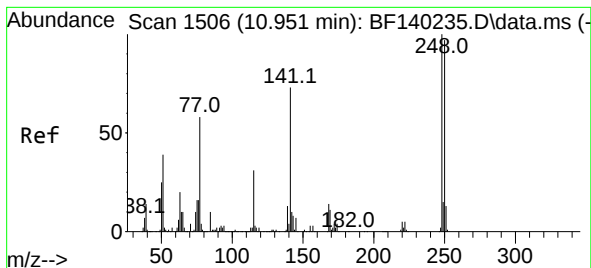
Tgt Ion: 77	Resp: 70743
Ion Ratio	Lower Upper
77 100	
182 78.6	4.7 44.7#
105 143.5	0.0 40.0#
51 40.0	13.2 53.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF140264.D
Acq: 07 Nov 2024 10:28

Tgt Ion: 188	Resp: 527573
Ion Ratio	Lower Upper
188 100	
94 8.6	6.9 10.3
80 9.6	7.5 11.3

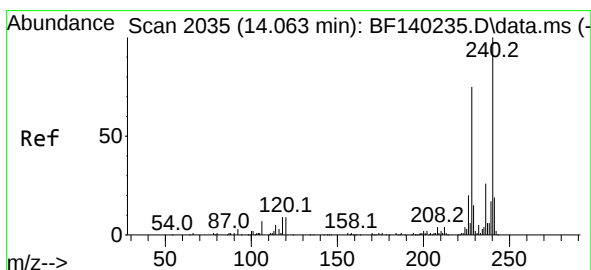
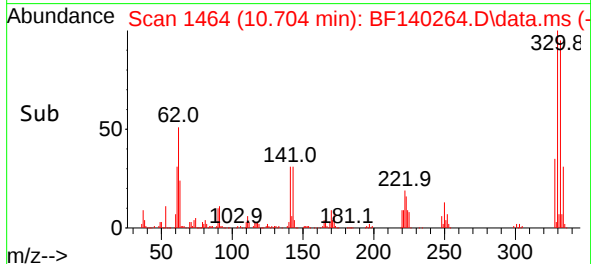
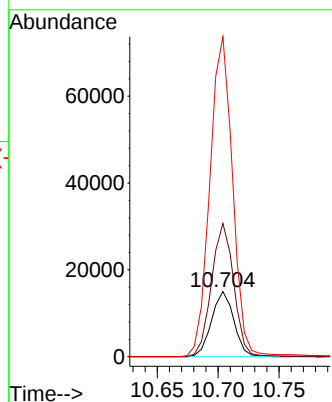
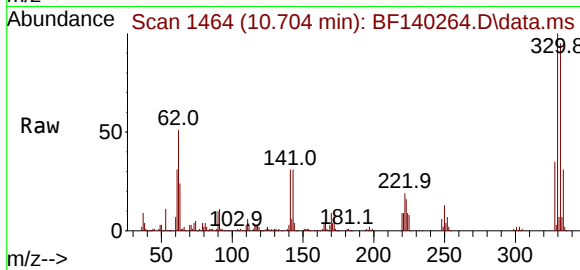




#67
4-Bromophenyl-phenylether
Concen: 3.373 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF140264.D
Acq: 07 Nov 2024 10:28

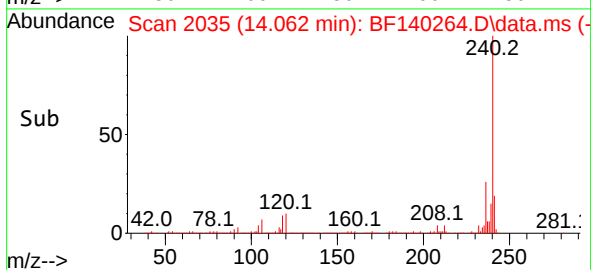
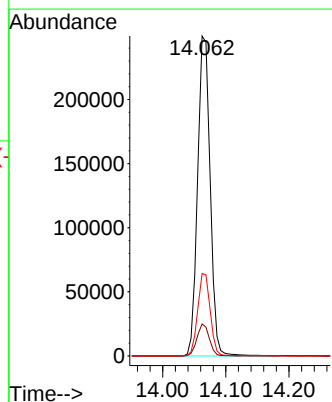
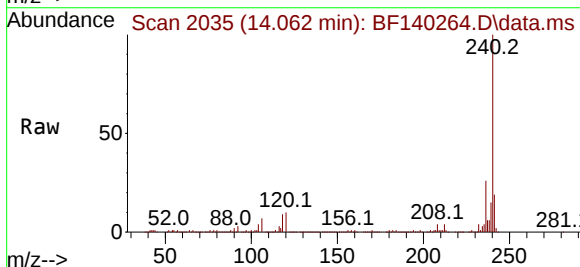
Instrument :
BNA_F
ClientSampleId :
BP-F3

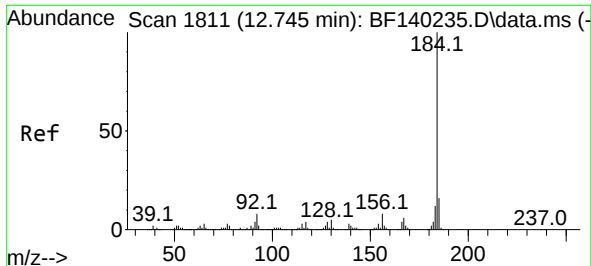
Tgt Ion:248 Resp: 19161
Ion Ratio Lower Upper
248 100
250 204.6 77.9 116.9#
141 491.4 58.6 88.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2035
Delta R.T. -0.000 min
Lab File: BF140264.D
Acq: 07 Nov 2024 10:28

Tgt Ion:240 Resp: 344724
Ion Ratio Lower Upper
240 100
120 10.0 7.5 11.3
236 25.7 20.9 31.3

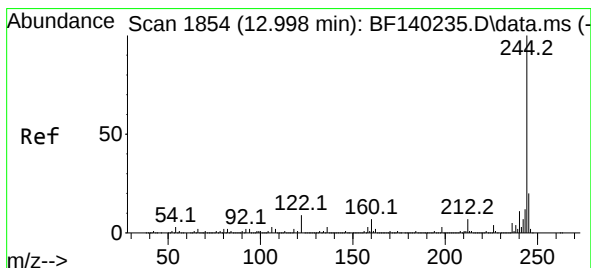
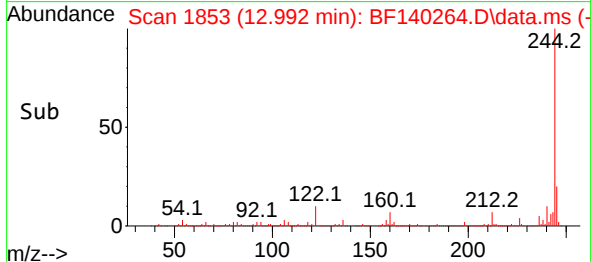
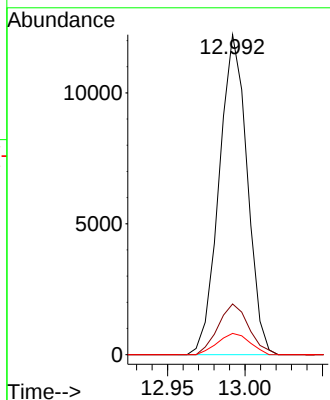
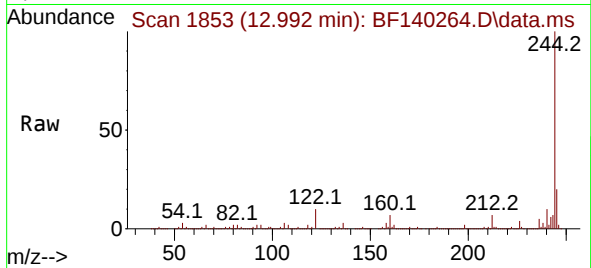




#77
Benzidine
Concen: 2.282 ng
RT: 12.992 min Scan# 1853
Delta R.T. 0.247 min
Lab File: BF140264.D
Acq: 07 Nov 2024 10:28

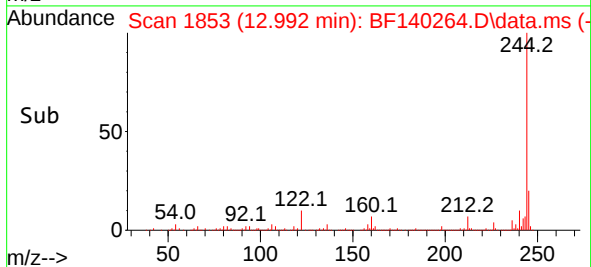
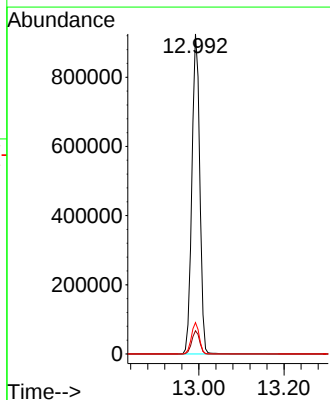
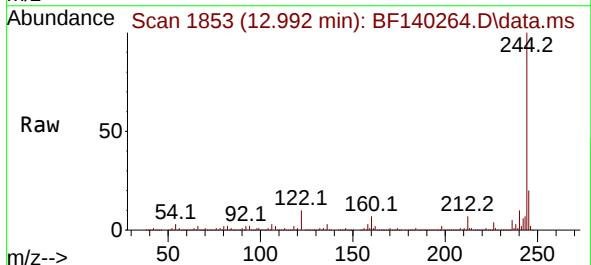
Instrument :
BNA_F
ClientSampleId :
BP-F3

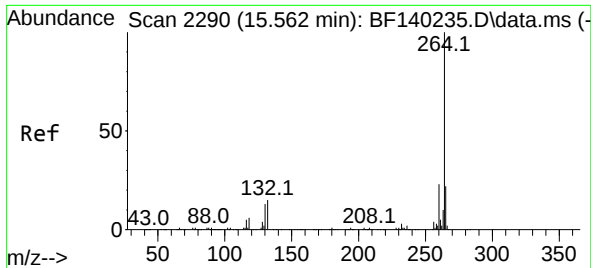
Tgt Ion:184 Resp: 15383
Ion Ratio Lower Upper
184 100
185 15.8 12.5 18.7
183 6.6 9.3 13.9#



#79
Terphenyl-d14
Concen: 56.401 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF140264.D
Acq: 07 Nov 2024 10:28

Tgt Ion:244 Resp: 1186899
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 9.8 7.6 11.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF140264.D
Acq: 07 Nov 2024 10:28

Instrument :
BNA_F
ClientSampleId :
BP-F3

Tgt Ion:264 Resp: 298115
Ion Ratio Lower Upper
264 100
260 23.7 18.8 28.2
265 22.0 17.3 25.9

