

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
 Data File : BF140915.D
 Acq On : 18 Dec 2024 19:23
 Operator : RC/JU
 Sample : P5291-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW6-20241213-A

Quant Time: Dec 19 00:17:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

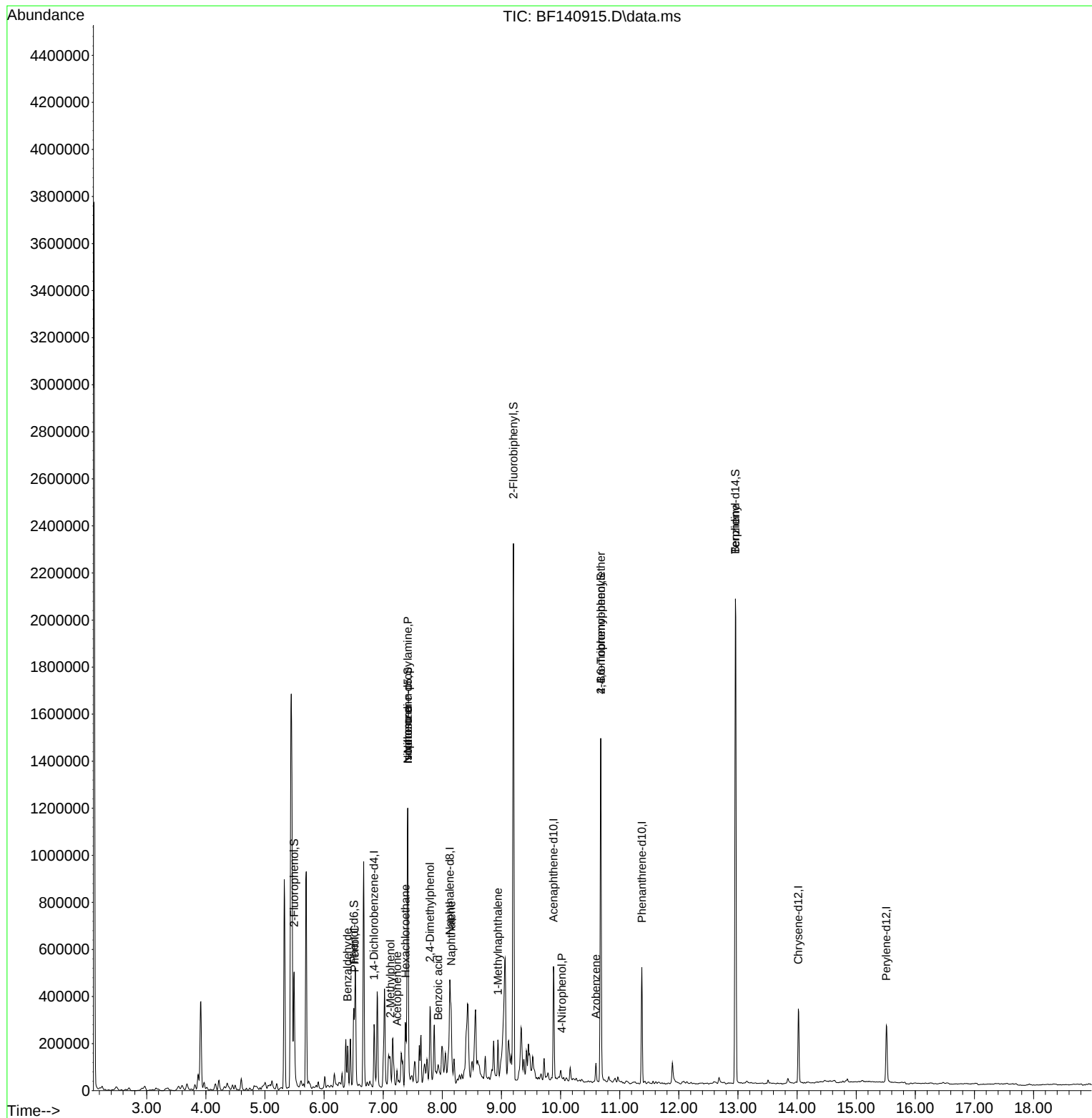
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	55545	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	235361	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	145926	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	253299	20.000	ng	0.00
76) Chrysene-d12	14.021	240	156863	20.000	ng	-0.01
86) Perylene-d12	15.510	264	149587	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	224736	66.605	ng	0.00
7) Phenol-d6	6.504	99	191985	42.958	ng	0.00
23) Nitrobenzene-d5	7.416	82	491837	104.551	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	266267	154.278	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1027748	96.830	ng	0.00
79) Terphenyl-d14	12.957	244	1053942	105.948	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	8728	3.525	ng	# 1
10) Phenol	6.516	94	18624	4.021	ng	# 82
17) 2-Methylphenol	7.122	107	8062	2.744	ng	# 71
18) Hexachloroethane	7.375	117	23773	15.005	ng	# 1
19) n-Nitroso-di-n-propyla...	7.416	70	66722	24.889	ng	# 78
22) Acetophenone	7.234	105	43237	7.344	ng	# 56
25) Isophorone	7.416	82	485261	61.563	ng	# 65
27) 2,4-Dimethylphenol	7.792	122	62720	24.196	ng	99
31) Naphthalene	8.151	128	157119	12.153	ng	99
32) Benzoic acid	7.928	122	15750	6.406	ng	# 36
38) 1-Methylnaphthalene	8.939	142	25204	2.980	ng	98
56) 4-Nitrophenol	10.022	139	1264	5.393	ng	# 1
63) Azobenzene	10.598	77	20646	2.059	ng	# 1
67) 4-Bromophenyl-phenylether	10.680	248	17143	6.050	ng	# 1
77) Benzidine	12.957	184	14599	4.560	ng	# 88

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

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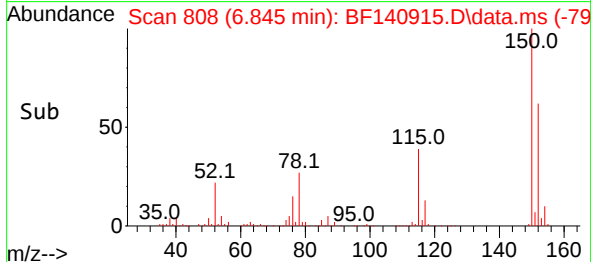
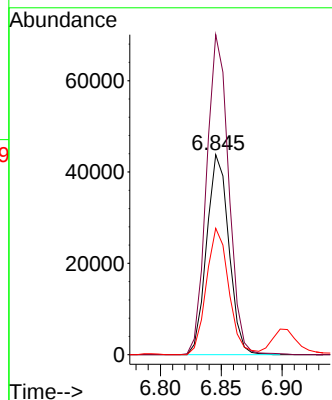
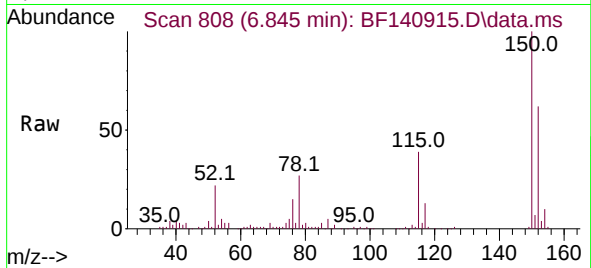




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF140915.D
Acq: 18 Dec 2024 19:23

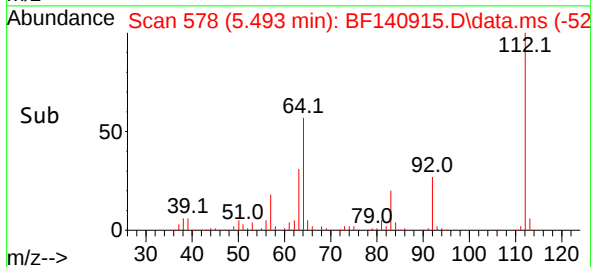
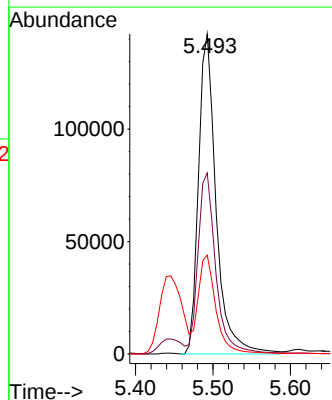
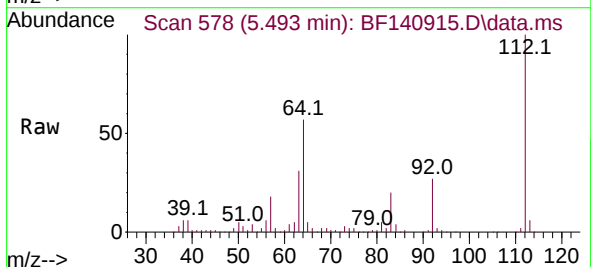
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BNA_F
ClientSampleId :
MW6-20241213-A

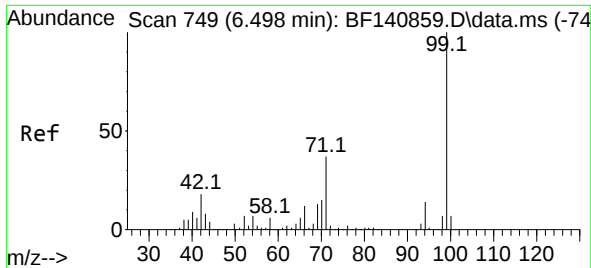
Tgt Ion:152 Resp: 55545
Ion Ratio Lower Upper
152 100
150 160.0 127.9 191.9
115 63.2 48.0 72.0



#5
2-Fluorophenol
Concen: 66.605 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF140915.D
Acq: 18 Dec 2024 19:23

Tgt Ion:112 Resp: 224736
Ion Ratio Lower Upper
112 100
64 56.5 46.1 69.1
63 30.9 24.9 37.3

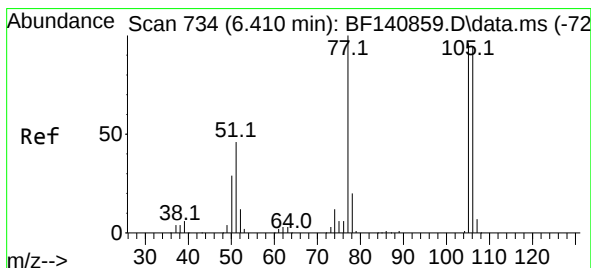
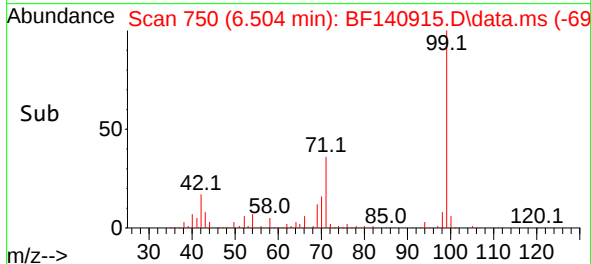
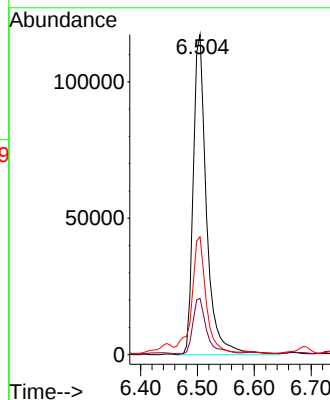
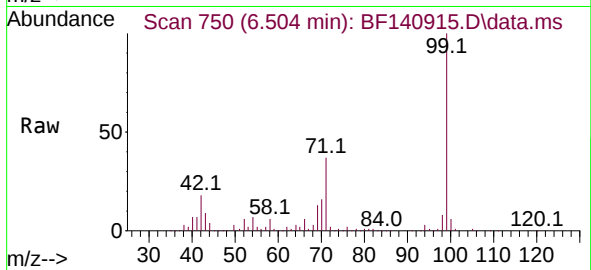




#7
Phenol-d6
Concen: 42.958 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140915.D
Acq: 18 Dec 2024 19:23

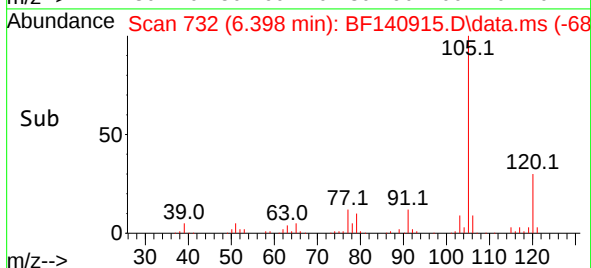
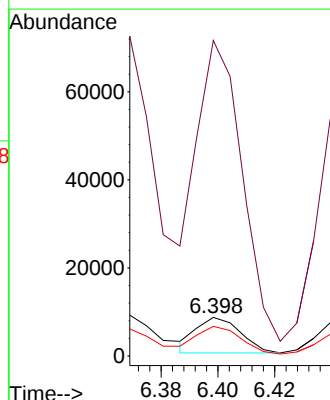
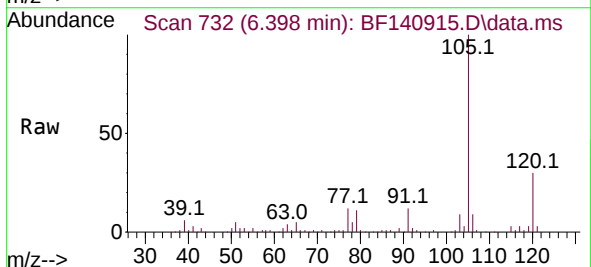
Instrument :
BNA_F
ClientSampleId :
MW6-20241213-A

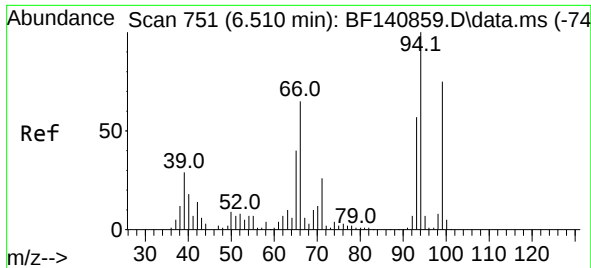
Tgt Ion: 99 Resp: 191985
Ion Ratio Lower Upper
99 100
42 17.6 14.3 21.5
71 36.8 29.9 44.9



#9
Benzaldehyde
Concen: 3.525 ng
RT: 6.398 min Scan# 732
Delta R.T. -0.012 min
Lab File: BF140915.D
Acq: 18 Dec 2024 19:23

Tgt Ion: 77 Resp: 8728
Ion Ratio Lower Upper
77 100
105 818.4 75.8 115.8#
106 77.0 74.1 114.1





#10

Phenol

Concen: 4.021 ng

RT: 6.516 min Scan# 751

Delta R.T. 0.006 min

Lab File: BF140915.D

Acq: 18 Dec 2024 19:23

Instrument :

BNA_F

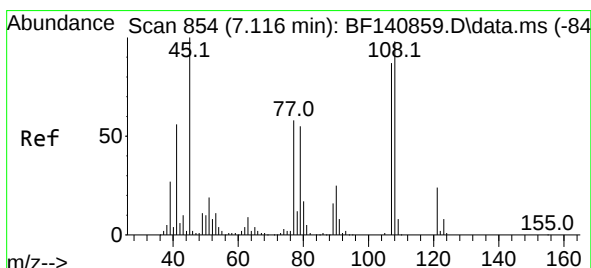
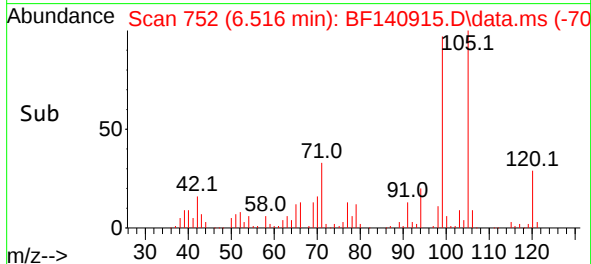
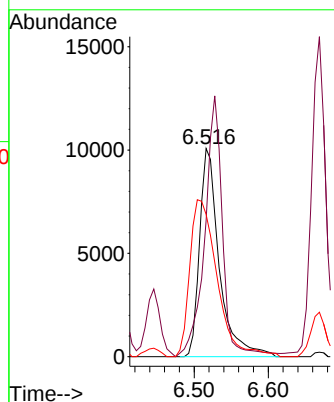
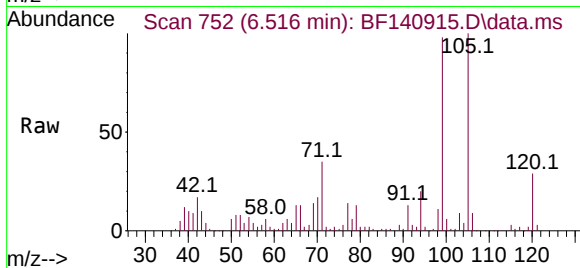
ClientSampleId :

MW6-20241213-A

Tgt Ion: 94 Resp: 18624

Ion Ratio Lower Upper

94	100		
65	65.4	19.9	59.9#
66	68.4	45.6	85.6



#17

2-Methylphenol

Concen: 2.744 ng

RT: 7.122 min Scan# 855

Delta R.T. 0.006 min

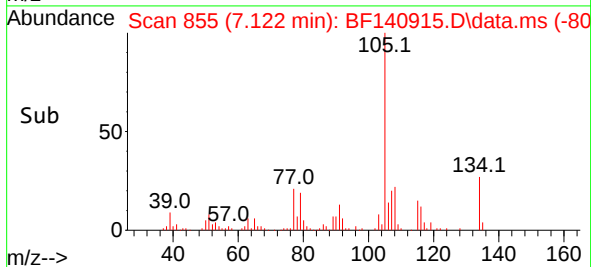
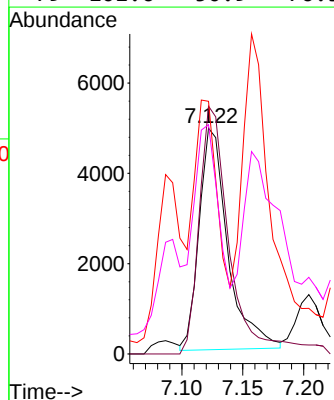
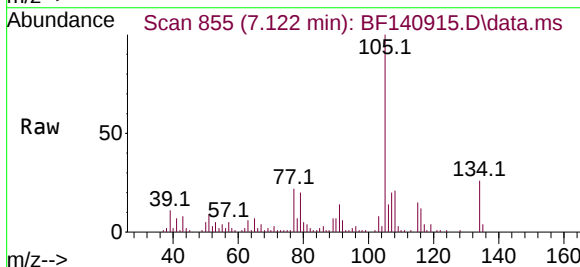
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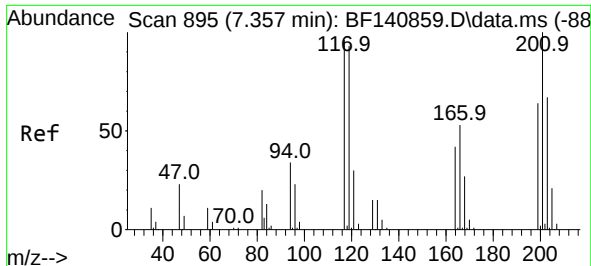
Acq: 18 Dec 2024 19:23

Tgt Ion:107 Resp: 8062

Ion Ratio Lower Upper

107	100		
108	109.8	90.2	135.4
77	111.9	53.8	80.6#
79	101.6	50.9	76.3#

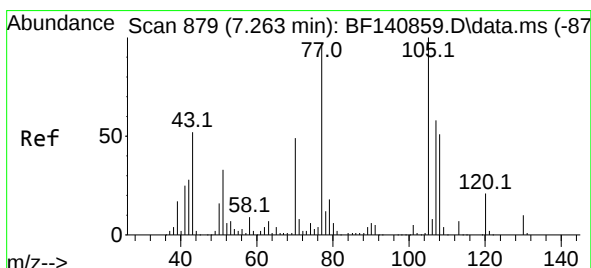
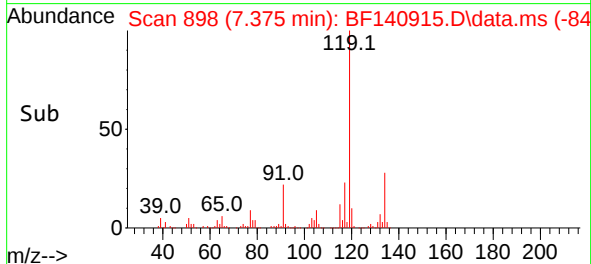
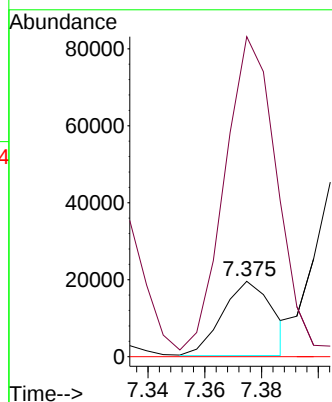
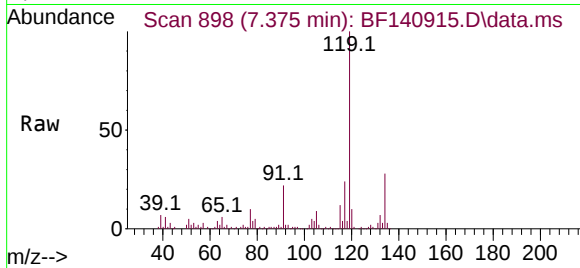




#18
Hexachloroethane
Concen: 15.005 ng
RT: 7.375 min Scan# 895
Delta R.T. 0.018 min
Lab File: BF140915.D
Acq: 18 Dec 2024 19:23

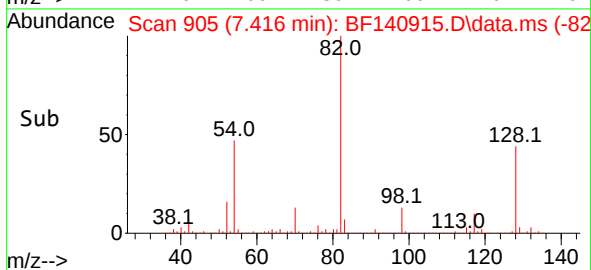
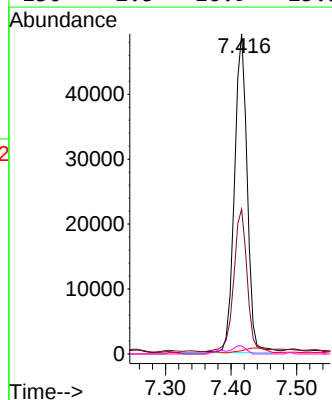
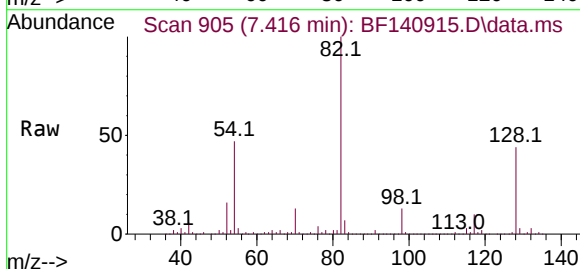
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ClientSampleId :
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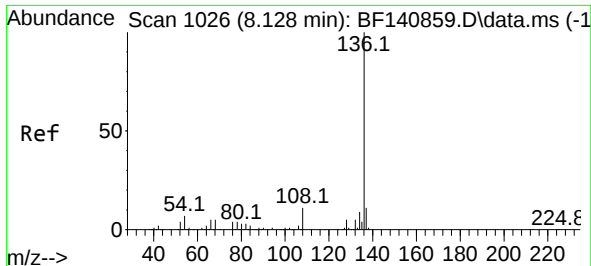
Tgt Ion:117 Resp: 23773
Ion Ratio Lower Upper
117 100
119 424.4 77.4 116.0#
201 0.0 83.4 125.0#



#19
n-Nitroso-di-n-propylamine
Concen: 24.889 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.153 min
Lab File: BF140915.D
Acq: 18 Dec 2024 19:23

Tgt Ion: 70 Resp: 66722
Ion Ratio Lower Upper
70 100
42 45.3 45.3 67.9
101 1.0 8.0 12.0#
130 2.5 16.9 25.3#

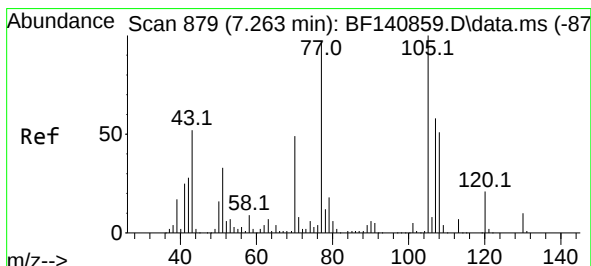
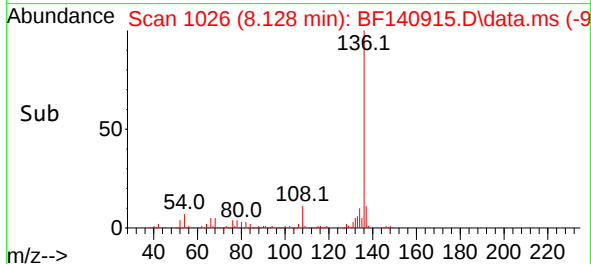
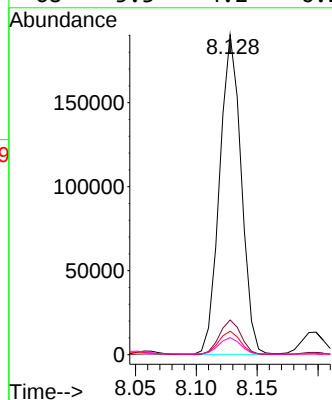
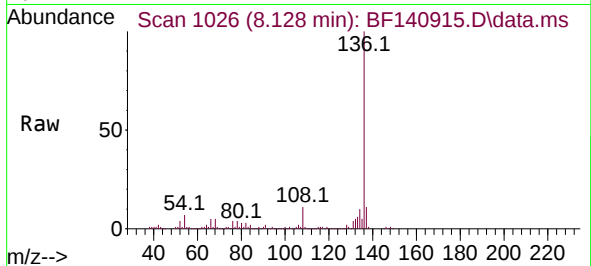




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140915.D
Acq: 18 Dec 2024 19:23

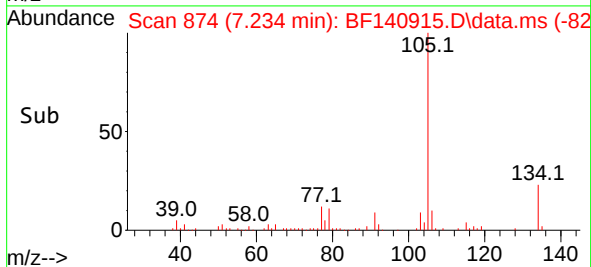
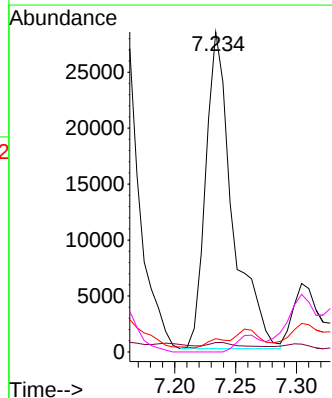
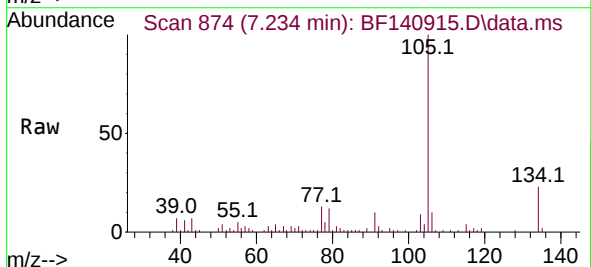
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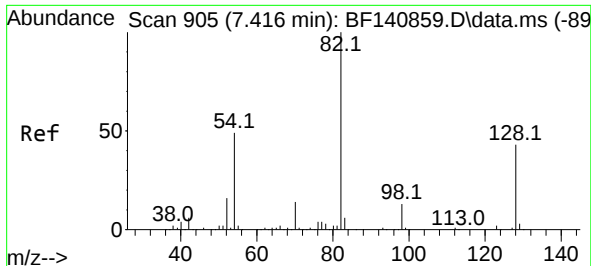
Tgt Ion:	136	Resp:	235361
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.4
54	7.3	5.6	8.4
68	5.3	4.2	6.2



#22
Acetophenone
Concen: 7.344 ng
RT: 7.234 min Scan# 874
Delta R.T. -0.030 min
Lab File: BF140915.D
Acq: 18 Dec 2024 19:23

Tgt Ion:	105	Resp:	43237
Ion Ratio	Lower	Upper	
105	100		
71	2.9	6.2	9.4#
51	4.2	26.3	39.5#
120	0.0	17.1	25.7#

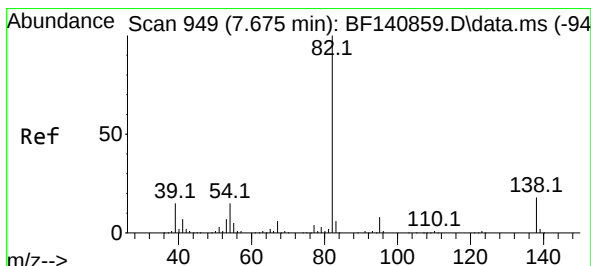
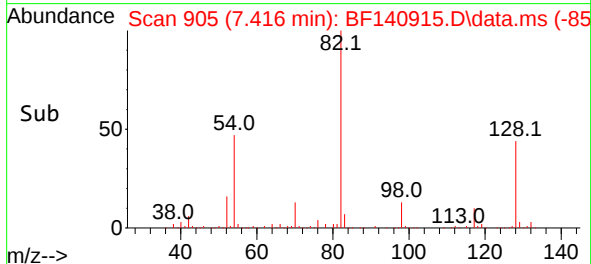
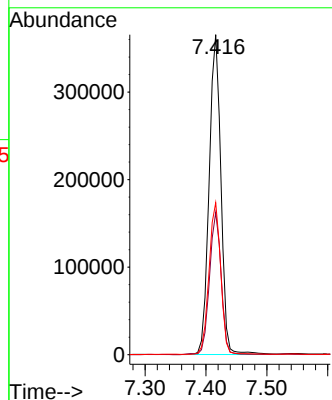
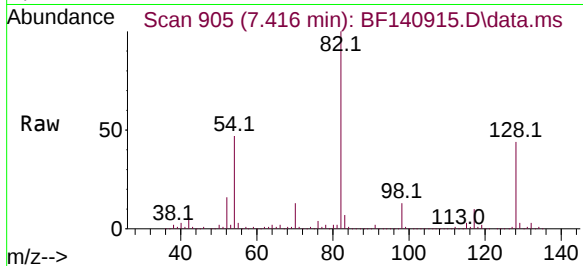




#23
Nitrobenzene-d5
Concen: 104.551 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.000 min
Lab File: BF140915.D
Acq: 18 Dec 2024 19:23

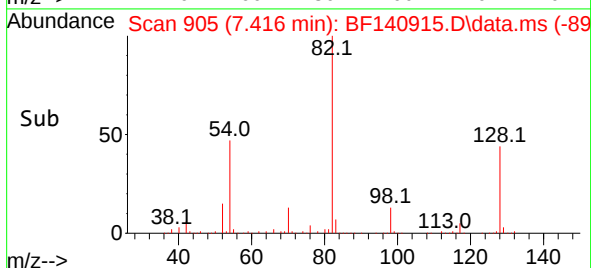
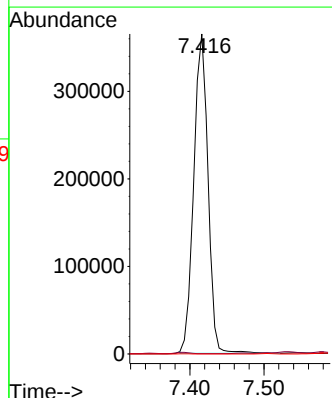
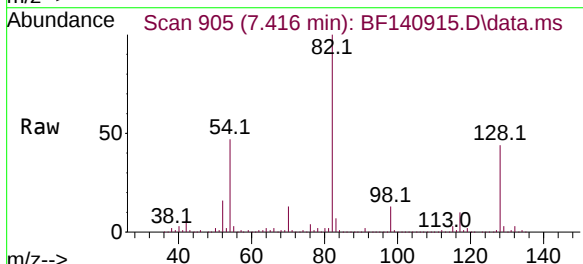
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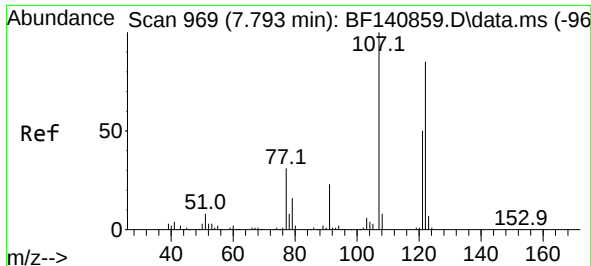
Tgt Ion: 82 Resp: 491837
Ion Ratio Lower Upper
82 100
128 44.4 34.4 51.6
54 47.5 38.8 58.2



#25
Isophorone
Concen: 61.563 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.259 min
Lab File: BF140915.D
Acq: 18 Dec 2024 19:23

Tgt Ion: 82 Resp: 485261
Ion Ratio Lower Upper
82 100
95 0.1 6.3 9.5#
138 0.0 14.1 21.1#

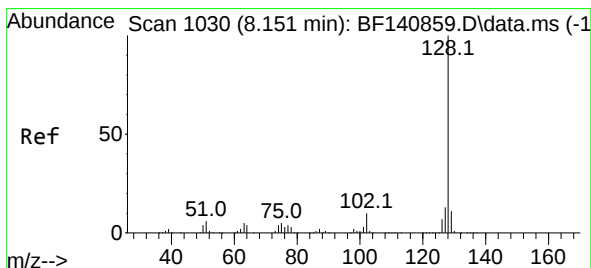
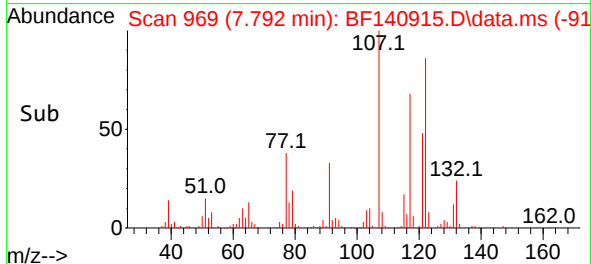
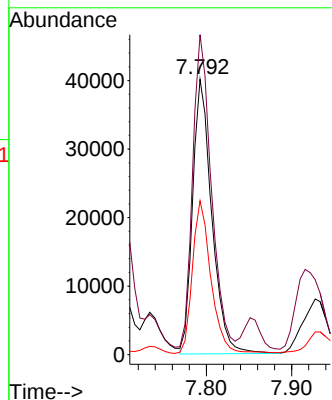
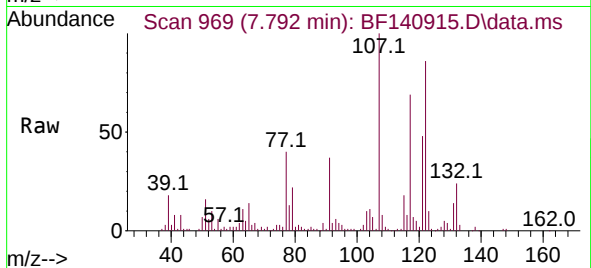




#27
2,4-Dimethylphenol
Concen: 24.196 ng
RT: 7.792 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF140915.D
Acq: 18 Dec 2024 19:23

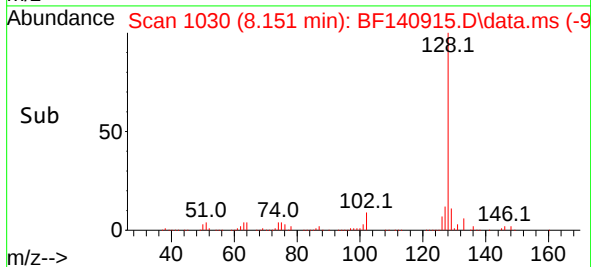
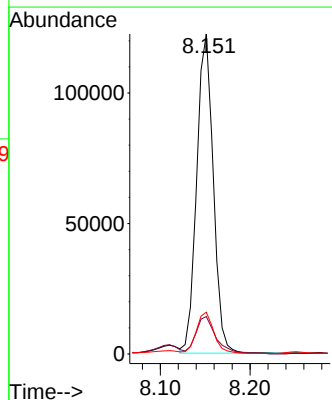
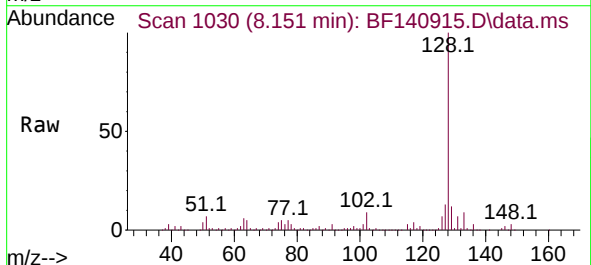
Instrument :
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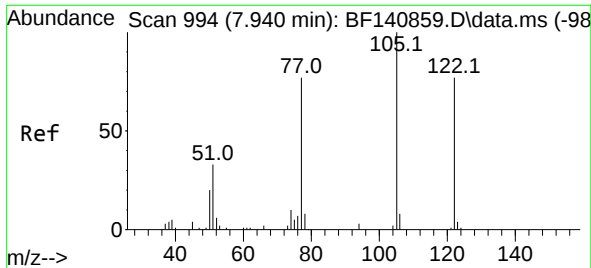
Tgt Ion:	122	Resp:	62720
Ion	Ratio	Lower	Upper
122	100		
107	116.2	92.6	139.0
121	55.9	45.8	68.8



#31
Naphthalene
Concen: 12.153 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF140915.D
Acq: 18 Dec 2024 19:23

Tgt Ion:	128	Resp:	157119
Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.9	13.3
127	13.0	10.6	16.0

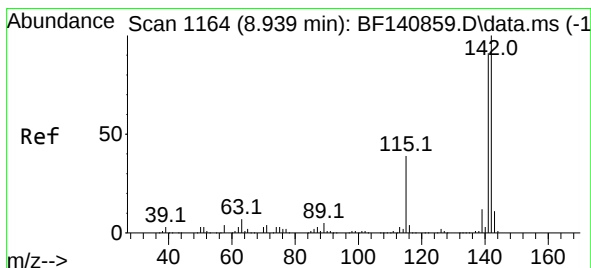
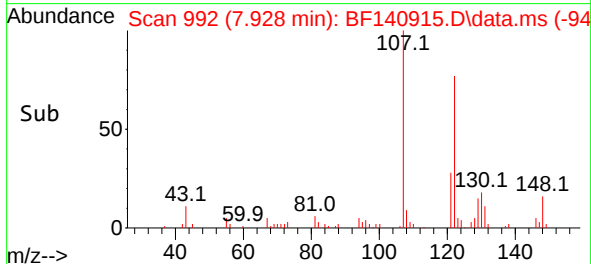
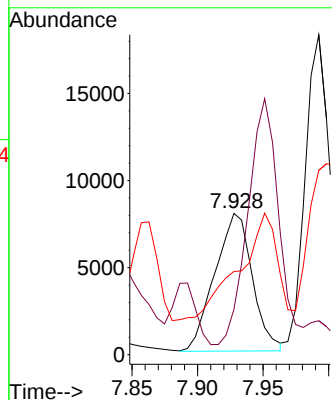
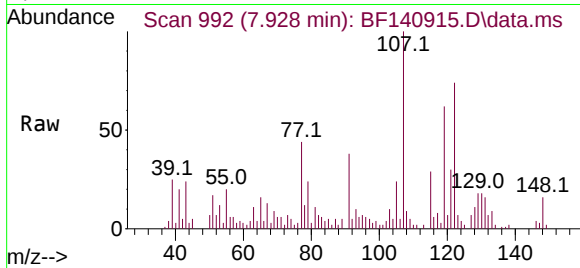




#32
Benzoic acid
Concen: 6.406 ng
RT: 7.928 min Scan# 994
Delta R.T. -0.012 min
Lab File: BF140915.D
Acq: 18 Dec 2024 19:23

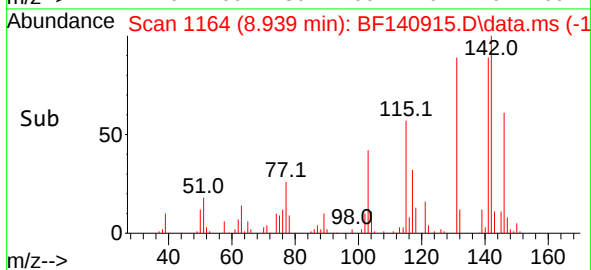
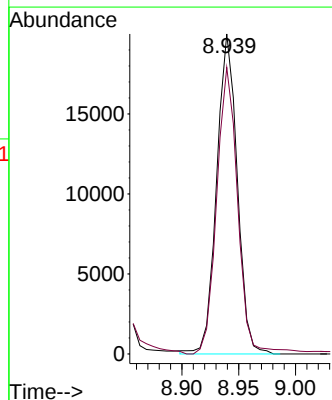
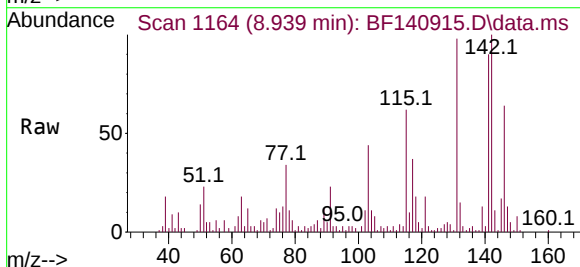
Instrument :
BNA_F
ClientSampleId :
MW6-20241213-A

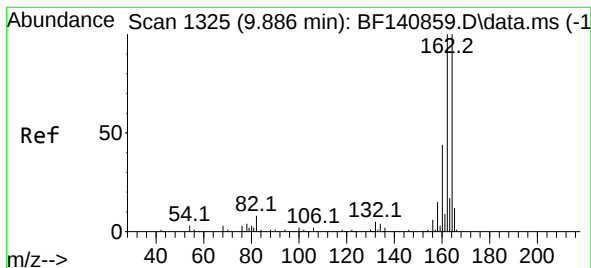
Tgt Ion:122 Resp: 15750
Ion Ratio Lower Upper
122 100
105 32.2 108.3 148.3#
77 58.9 78.8 118.8#



#38
1-Methylnaphthalene
Concen: 2.980 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF140915.D
Acq: 18 Dec 2024 19:23

Tgt Ion:142 Resp: 25204
Ion Ratio Lower Upper
142 100
141 89.6 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140915.D

Acq: 18 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

MW6-20241213-A

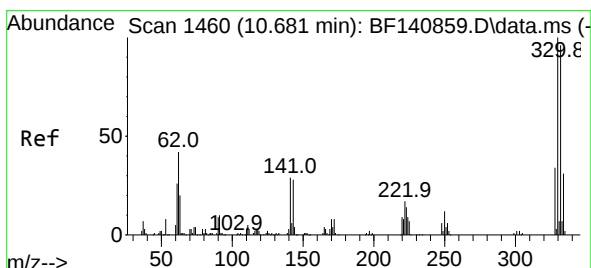
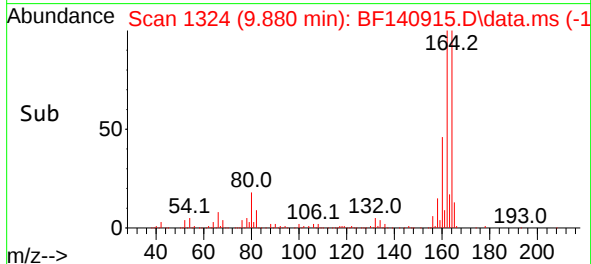
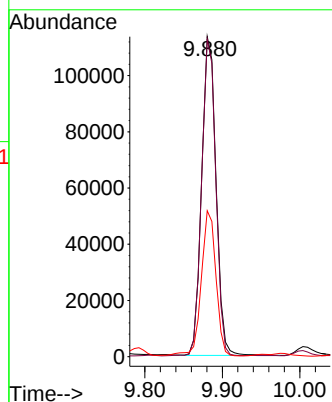
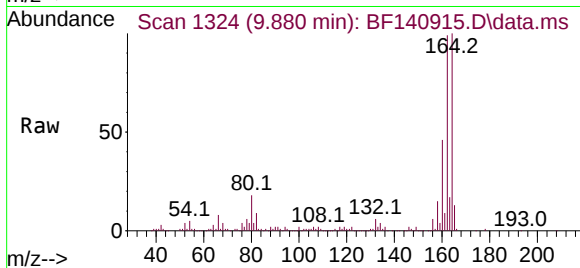
Tgt Ion:164 Resp: 145926

Ion Ratio Lower Upper

164 100

162 99.3 79.9 119.9

160 45.6 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 154.278 ng

RT: 10.680 min Scan# 1460

Delta R.T. -0.000 min

Lab File: BF140915.D

Acq: 18 Dec 2024 19:23

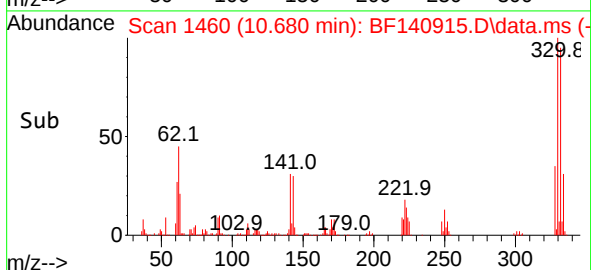
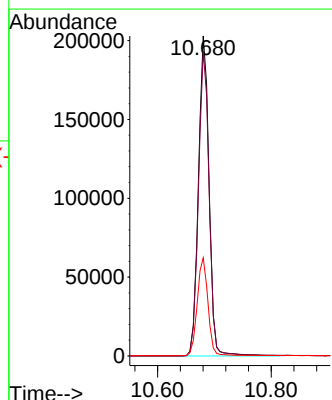
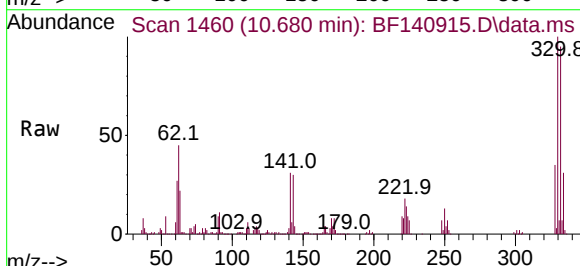
Tgt Ion:330 Resp: 266267

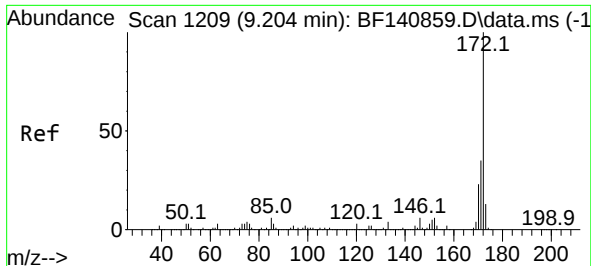
Ion Ratio Lower Upper

330 100

332 95.3 76.2 114.4

141 30.7 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 96.830 ng

RT: 9.204 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140915.D

Acq: 18 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

MW6-20241213-A

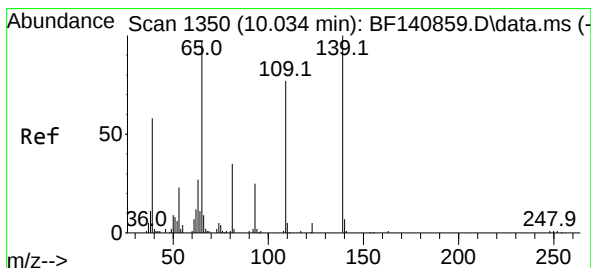
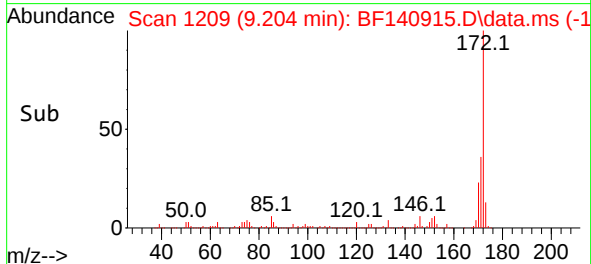
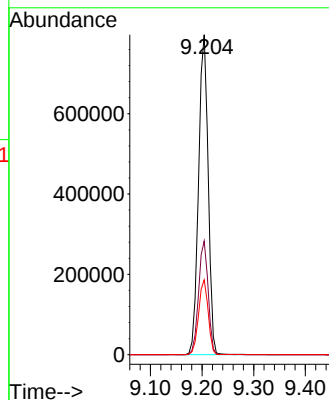
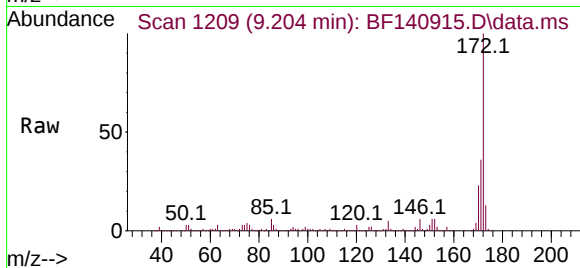
Tgt Ion:172 Resp: 1027748

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.4 18.6 28.0



#56

4-Nitrophenol

Concen: 5.393 ng

RT: 10.022 min Scan# 1348

Delta R.T. -0.012 min

Lab File: BF140915.D

Acq: 18 Dec 2024 19:23

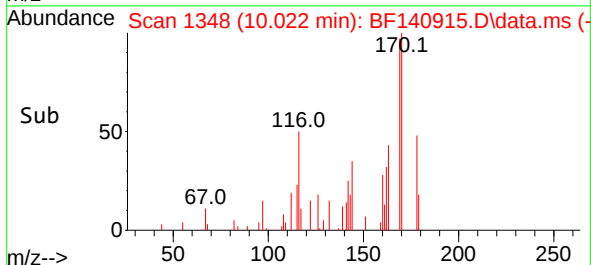
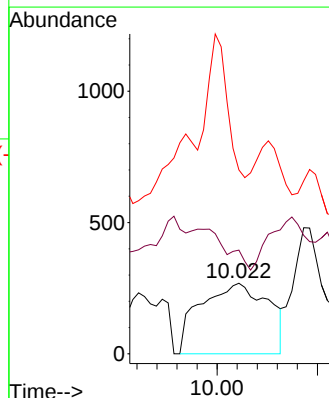
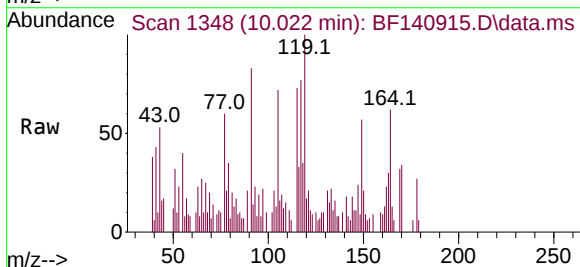
Tgt Ion:139 Resp: 1264

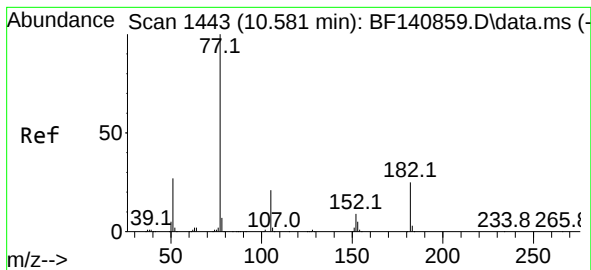
Ion Ratio Lower Upper

139 100

109 146.8 56.7 96.7#

65 260.2 78.1 118.1#





#63

Azobenzene

Concen: 2.059 ng

RT: 10.598 min Scan# 1446

Delta R.T. 0.018 min

Lab File: BF140915.D

Acq: 18 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

MW6-20241213-A

Tgt Ion: 77 Resp: 20646

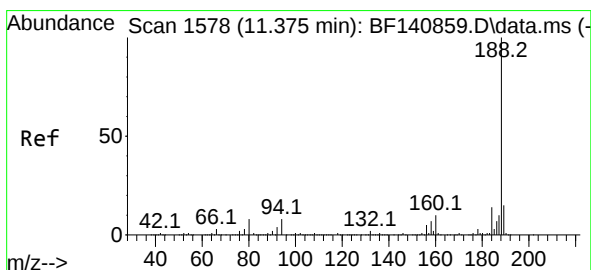
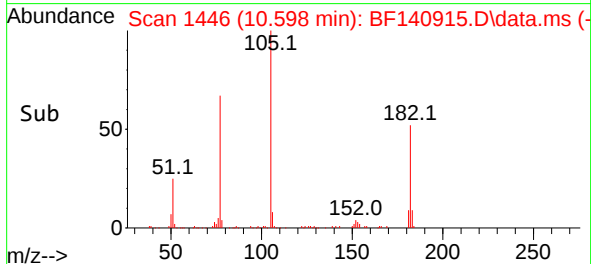
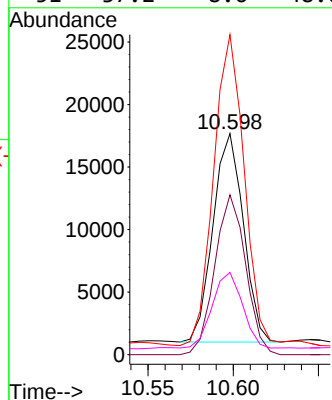
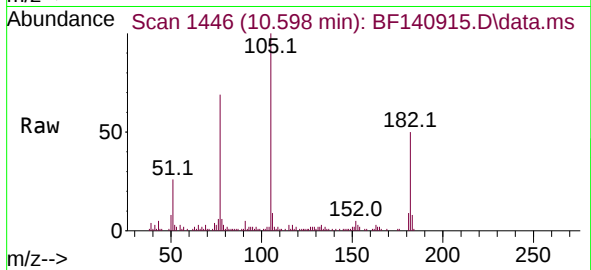
Ion Ratio Lower Upper

77 100

182 72.3 4.5 44.5#

105 144.7 0.9 40.9#

51 37.2 8.6 48.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1578

Delta R.T. -0.000 min

Lab File: BF140915.D

Acq: 18 Dec 2024 19:23

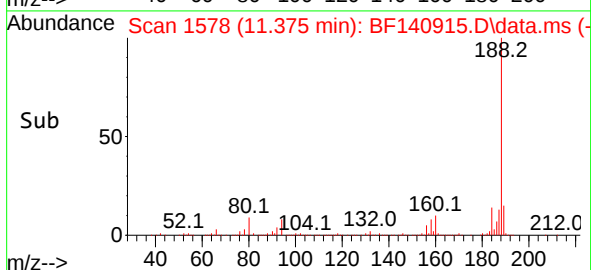
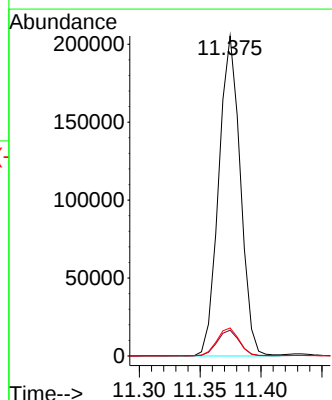
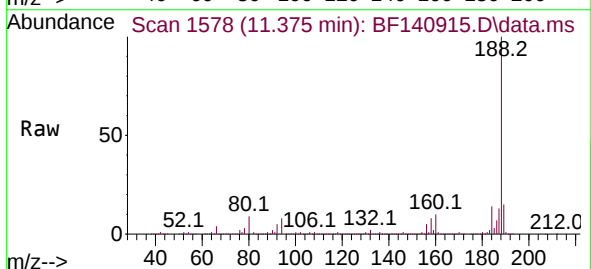
Tgt Ion: 188 Resp: 253299

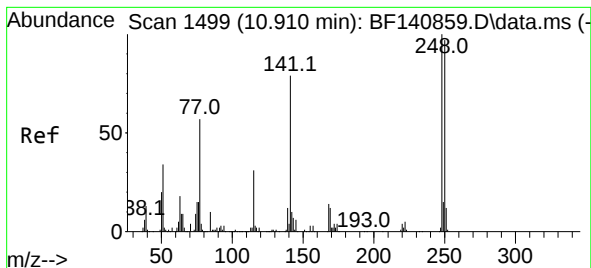
Ion Ratio Lower Upper

188 100

94 8.1 6.4 9.6

80 8.8 6.8 10.2

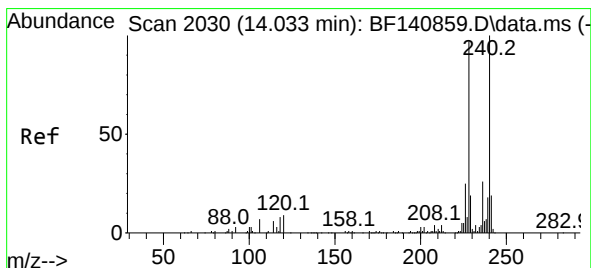
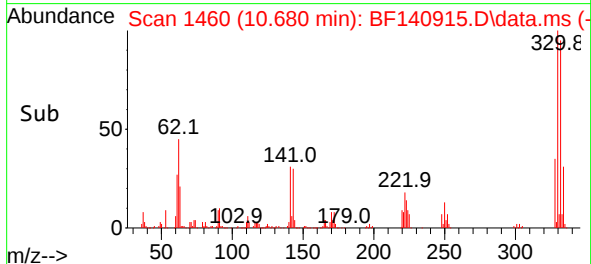
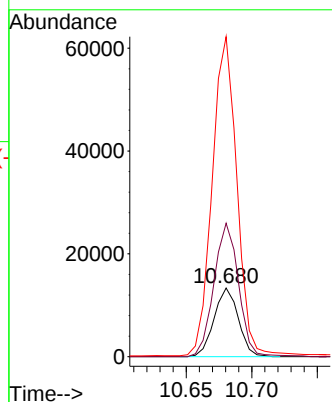
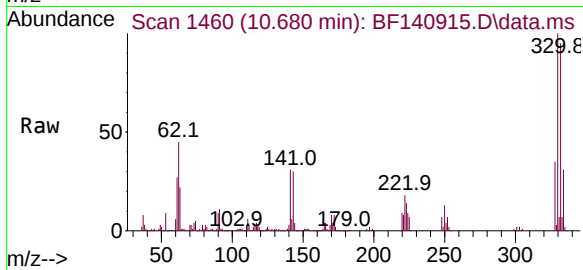




#67
4-Bromophenyl-phenylether
Concen: 6.050 ng
RT: 10.680 min Scan# 14
Delta R.T. -0.229 min
Lab File: BF140915.D
Acq: 18 Dec 2024 19:23

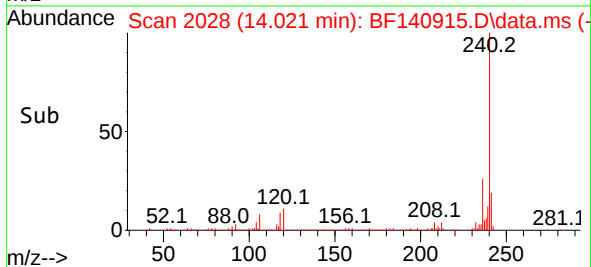
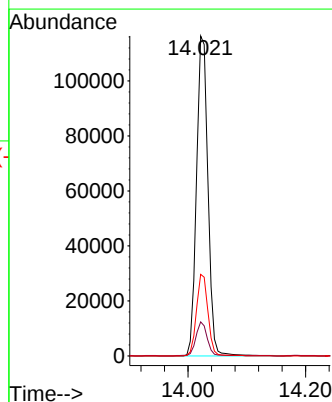
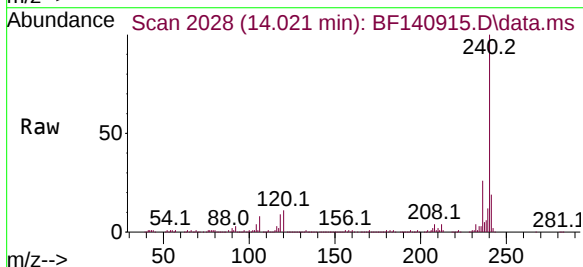
Instrument :
BNA_F
ClientSampleId :
MW6-20241213-A

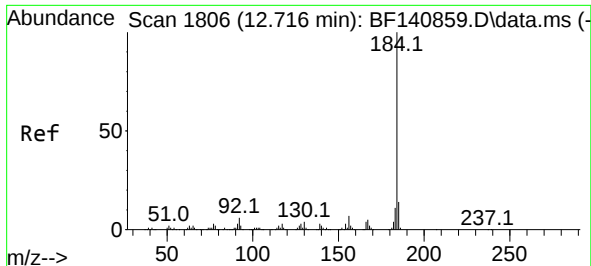
Tgt Ion:248 Resp: 17143
Ion Ratio Lower Upper
248 100
250 194.3 77.4 116.2#
141 465.8 62.9 94.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF140915.D
Acq: 18 Dec 2024 19:23

Tgt Ion:240 Resp: 156863
Ion Ratio Lower Upper
240 100
120 10.6 7.6 11.4
236 25.5 20.5 30.7

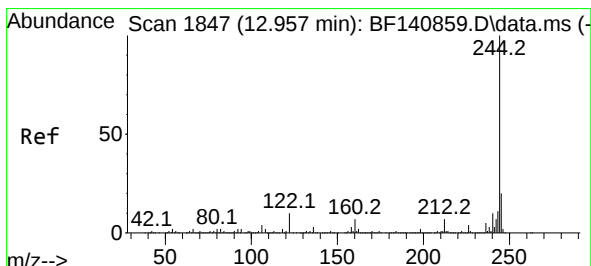
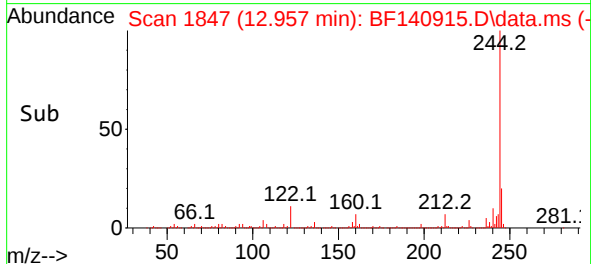
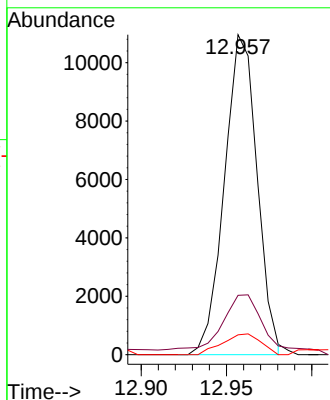
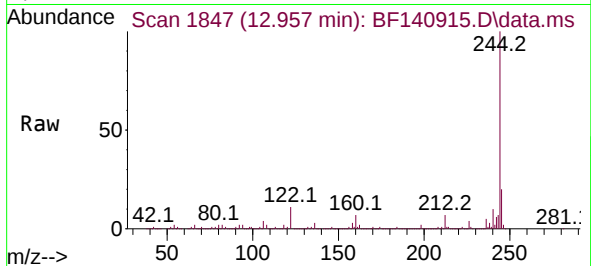




#77
Benzidine
Concen: 4.560 ng
RT: 12.957 min Scan# 1847
Delta R.T. 0.241 min
Lab File: BF140915.D
Acq: 18 Dec 2024 19:23

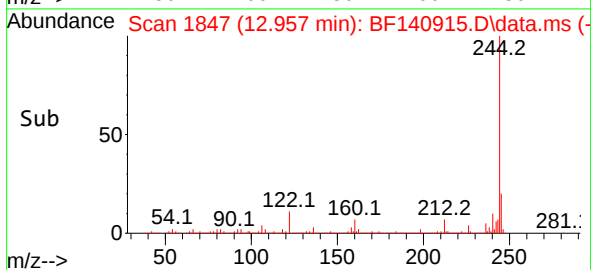
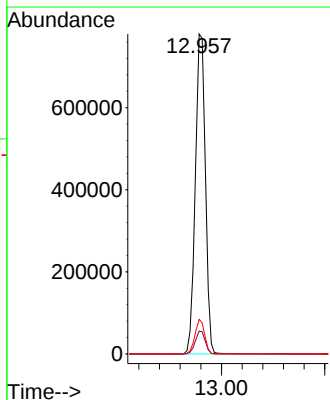
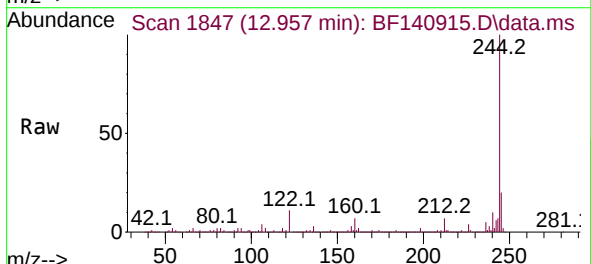
Instrument :
BNA_F
ClientSampleId :
MW6-20241213-A

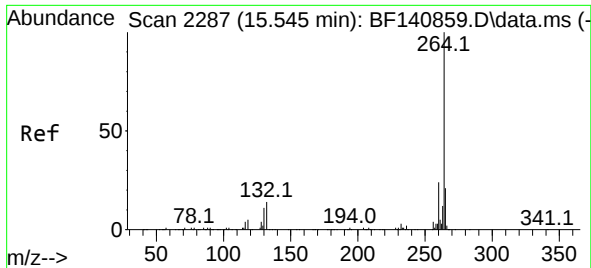
Tgt Ion:184 Resp: 14599
Ion Ratio Lower Upper
184 100
185 18.6 11.1 16.7#
183 6.2 9.0 13.4#



#79
Terphenyl-d14
Concen: 105.948 ng
RT: 12.957 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BF140915.D
Acq: 18 Dec 2024 19:23

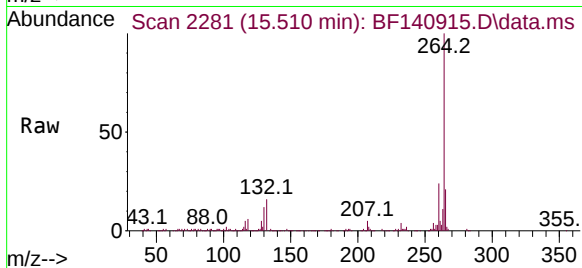
Tgt Ion:244 Resp: 1053942
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 10.8 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF140915.D
Acq: 18 Dec 2024 19:23

Instrument :
BNA_F
ClientSampleId :
MW6-20241213-A



Tgt Ion:264 Resp: 149587

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.1	28.7
265	21.1	17.0	25.4

