

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
 Data File : BF141559.D
 Acq On : 11 Feb 2025 14:04
 Operator : RC/JU
 Sample : Q1309-20
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-6

Quant Time: Feb 11 14:26:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

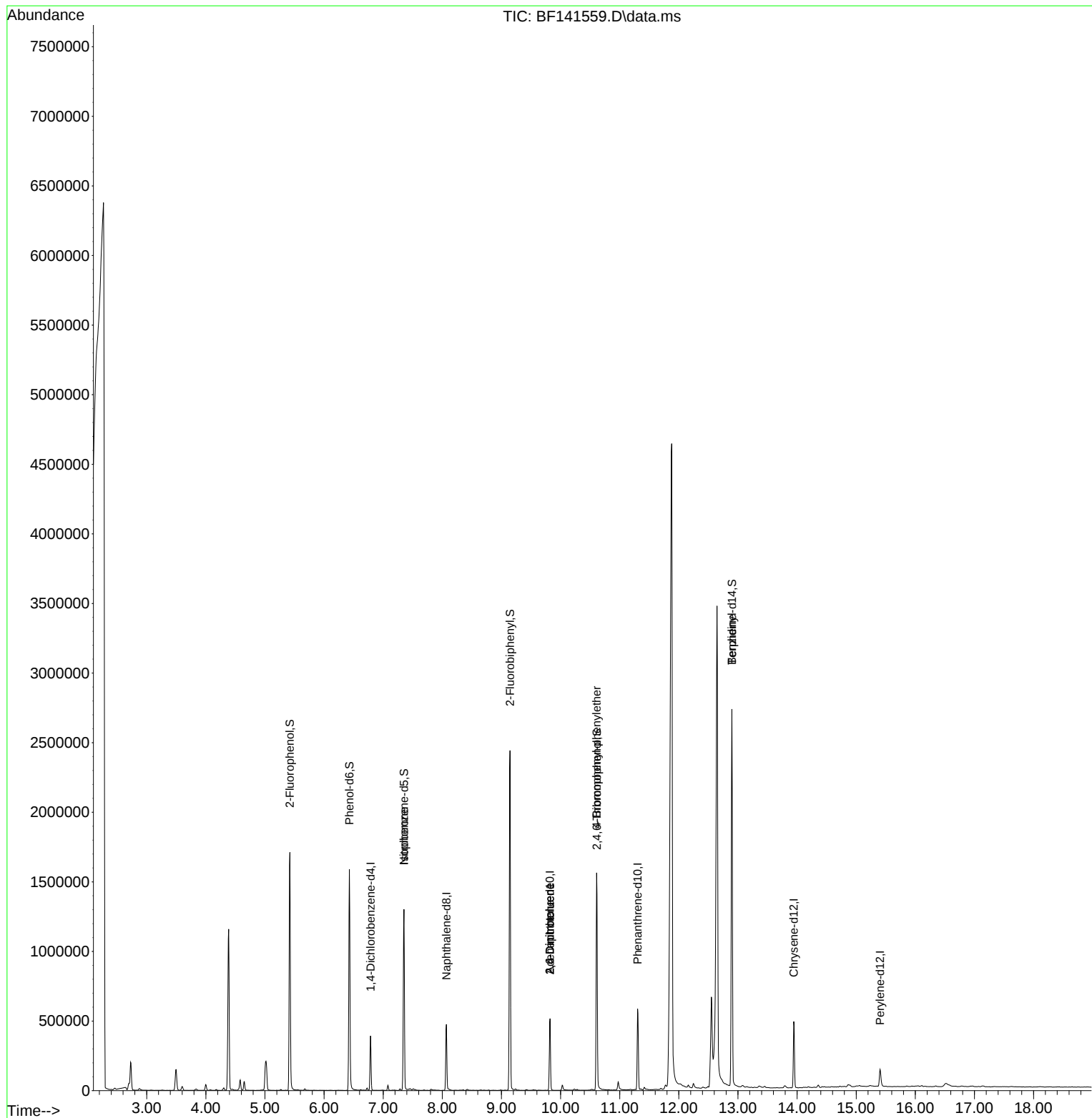
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	77632	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	311765	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	152000	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	299915	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	222399	20.000	ng	-0.02
86) Perylene-d12	15.404	264	48553	20.000	ng	#-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	637008	128.641	ng	0.01
7) Phenol-d6	6.428	99	706512	112.885	ng	-0.01
23) Nitrobenzene-d5	7.351	82	572896	95.845	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	255330	167.220	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1103220	111.820	ng	0.00
79) Terphenyl-d14	12.898	244	1347955	102.320	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.351	82	556097	58.348	ng	# 66
51) 2,6-Dinitrotoluene	9.822	165	19980	8.857	ng	# 23
57) 2,4-Dinitrotoluene	9.822	165	19980	6.653	ng	# 19
67) 4-Bromophenyl-phenylether	10.610	248	17737	5.292	ng	# 1
77) Benzidine	12.898	184	18058	3.682	ng	# 90

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

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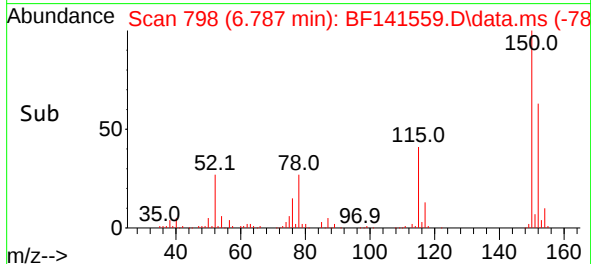
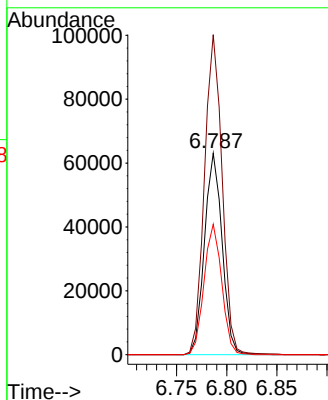
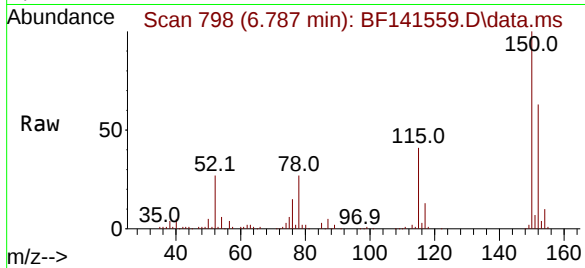




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141559.D
Acq: 11 Feb 2025 14:04

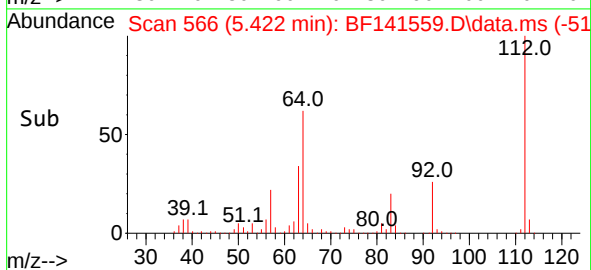
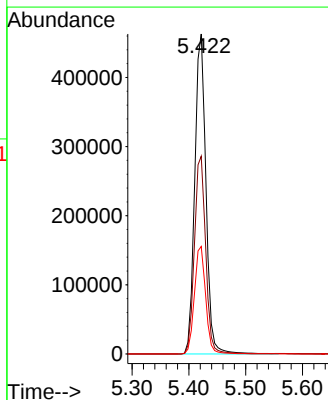
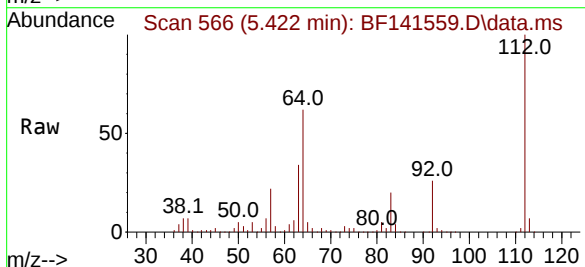
Instrument :
BNA_F
ClientSampleId :
WC-6

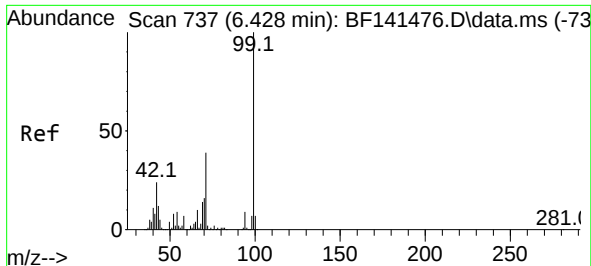
Tgt Ion:152 Resp: 77632
Ion Ratio Lower Upper
152 100
150 158.8 125.0 187.4
115 64.8 53.6 80.4



#5
2-Fluorophenol
Concen: 128.641 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141559.D
Acq: 11 Feb 2025 14:04

Tgt Ion:112 Resp: 637008
Ion Ratio Lower Upper
112 100
64 61.8 51.1 76.7
63 33.6 28.4 42.6





#7
Phenol-d6
Concen: 112.885 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141559.D
Acq: 11 Feb 2025 14:04

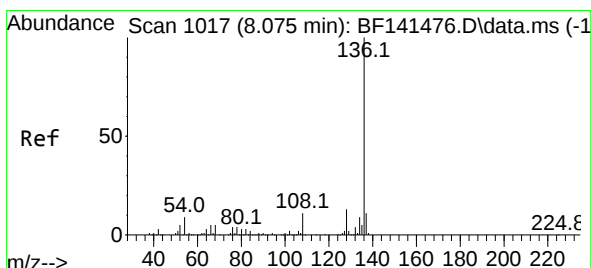
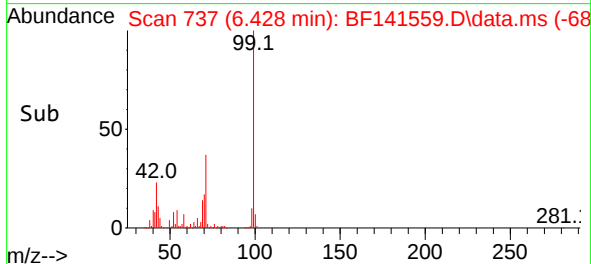
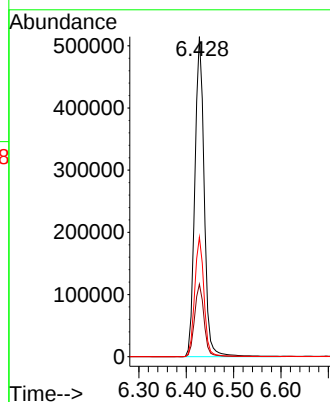
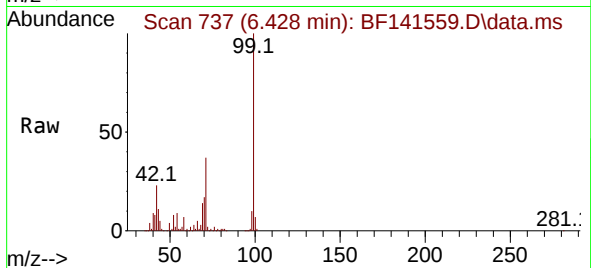
Instrument :

BNA_F

ClientSampleId :

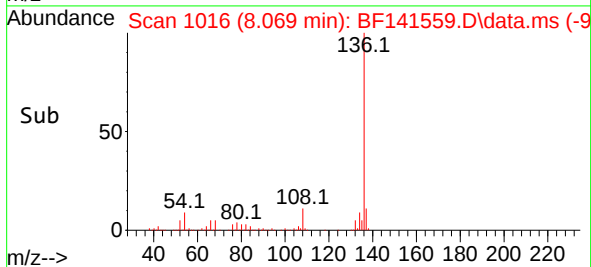
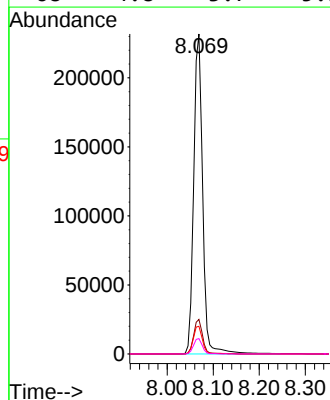
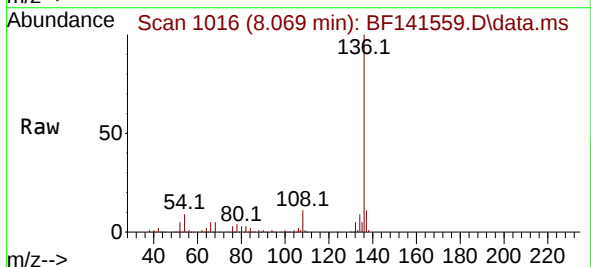
WC-6

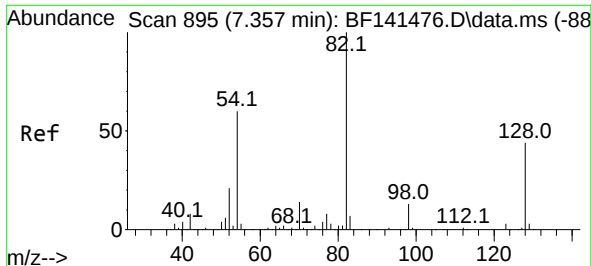
Tgt Ion: 99 Resp: 706512
Ion Ratio Lower Upper
99 100
42 22.7 19.1 28.7
71 37.4 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141559.D
Acq: 11 Feb 2025 14:04

Tgt Ion: 136 Resp: 311765
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.7 7.2 10.8
68 4.8 3.7 5.5





#23

Nitrobenzene-d5

Concen: 95.845 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF141559.D

Acq: 11 Feb 2025 14:04

Instrument :

BNA_F

ClientSampleId :

WC-6

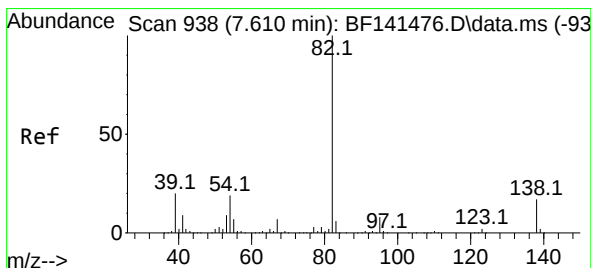
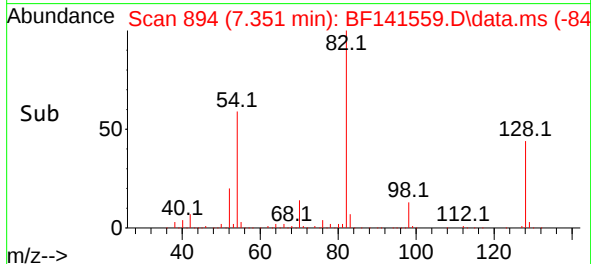
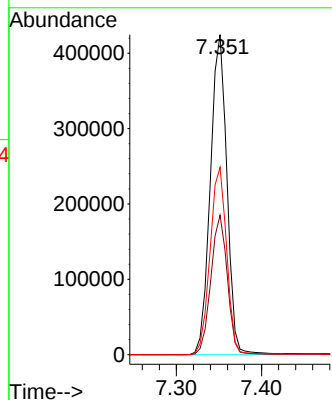
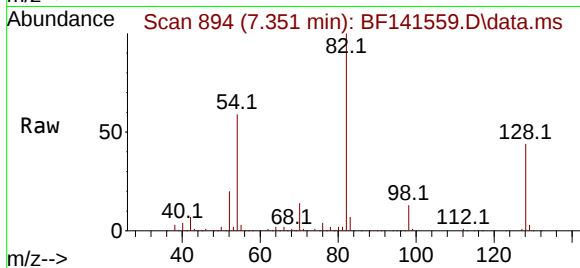
Tgt Ion: 82 Resp: 572896

Ion Ratio Lower Upper

82 100

128 43.6 34.8 52.2

54 58.5 48.2 72.4



#25

Isophorone

Concen: 58.348 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.270 min

Lab File: BF141559.D

Acq: 11 Feb 2025 14:04

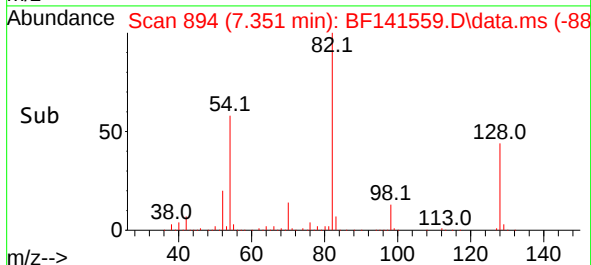
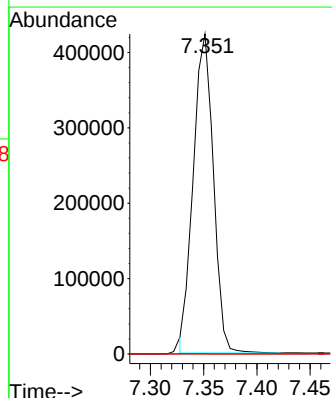
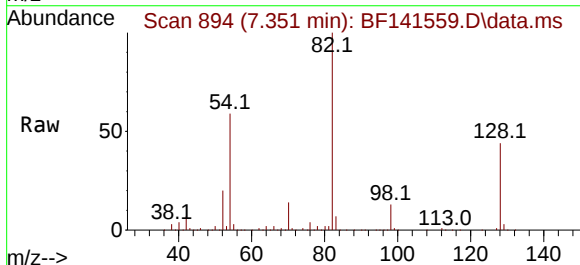
Tgt Ion: 82 Resp: 556097

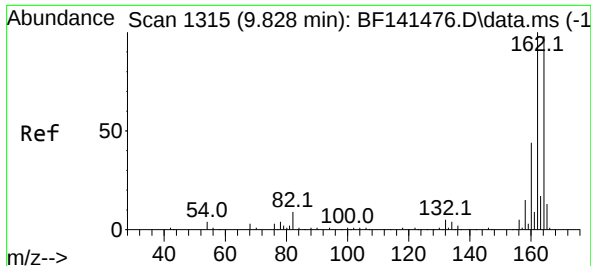
Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 13.9 20.9#

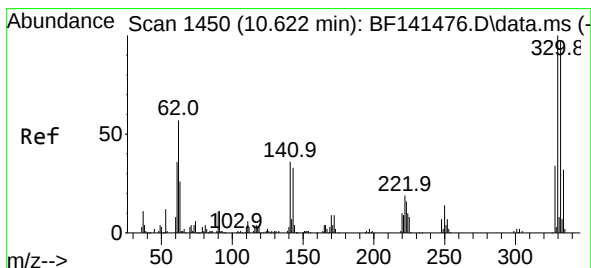
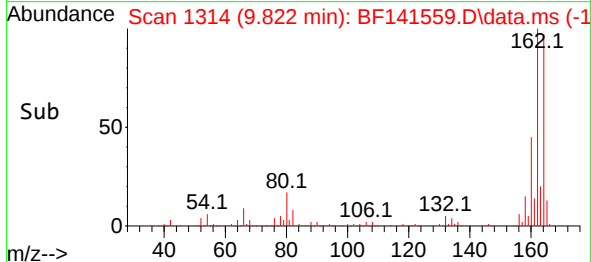
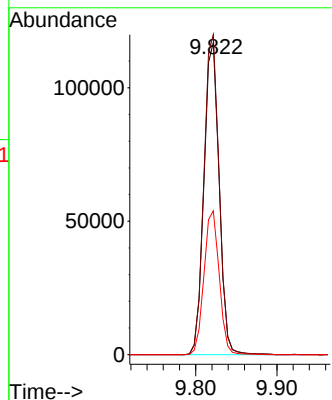
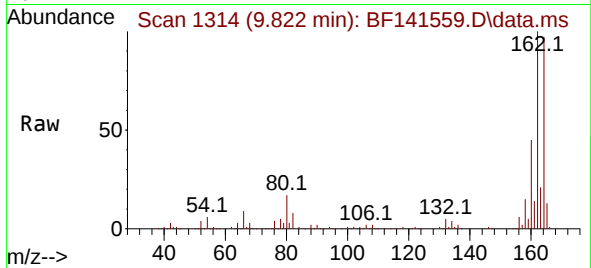




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141559.D
Acq: 11 Feb 2025 14:04

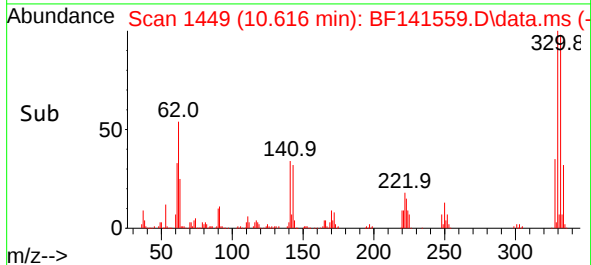
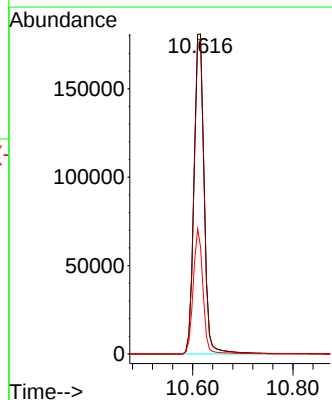
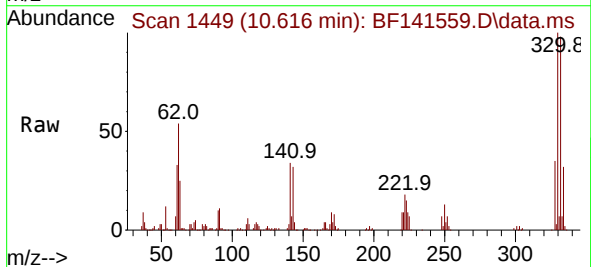
Instrument :
BNA_F
ClientSampleId :
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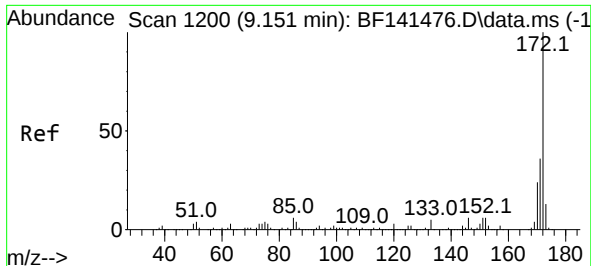
Tgt Ion:164 Resp: 152000
Ion Ratio Lower Upper
164 100
162 102.6 81.3 121.9
160 46.1 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 167.220 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141559.D
Acq: 11 Feb 2025 14:04

Tgt Ion:330 Resp: 255330
Ion Ratio Lower Upper
330 100
332 98.5 78.5 117.7
141 37.3 31.0 46.4

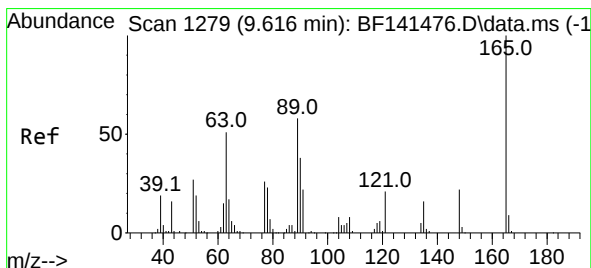
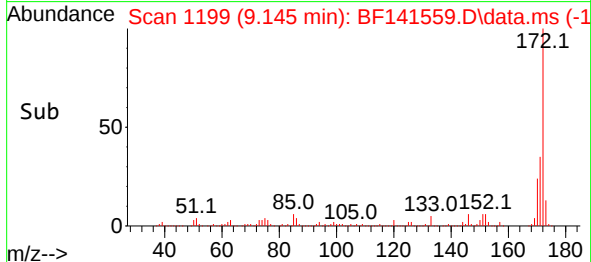
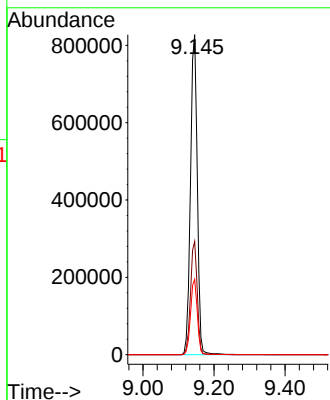
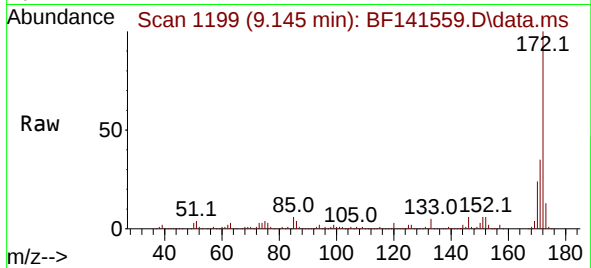




#45
2-Fluorobiphenyl
Concen: 111.820 ng
RT: 9.145 min Scan# 1119
Delta R.T. -0.006 min
Lab File: BF141559.D
Acq: 11 Feb 2025 14:04

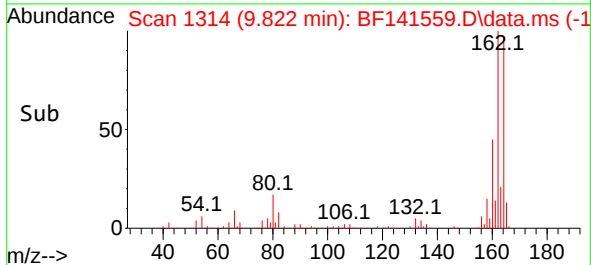
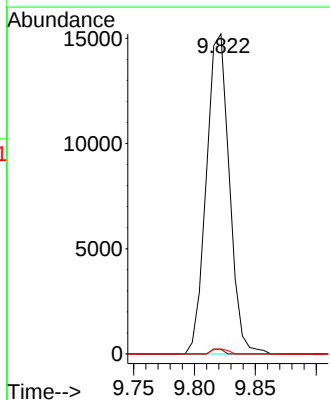
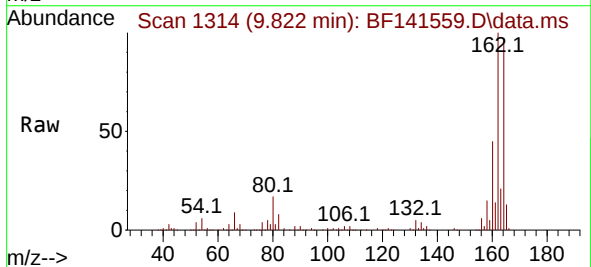
Instrument :
BNA_F
ClientSampleId :
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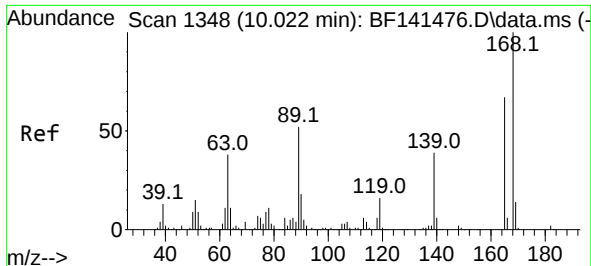
Tgt Ion:172 Resp: 1103220
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.6 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.857 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141559.D
Acq: 11 Feb 2025 14:04

Tgt Ion:165 Resp: 19980
Ion Ratio Lower Upper
165 100
63 1.5 49.4 74.0#
89 1.6 46.5 69.7#

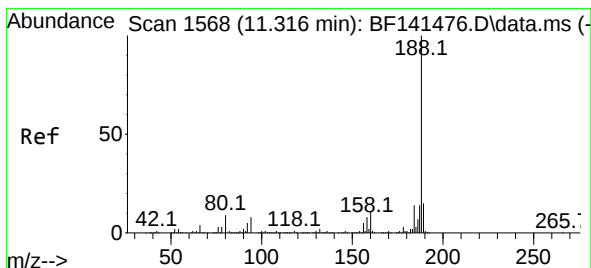
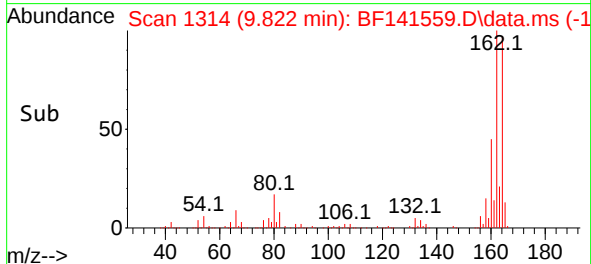
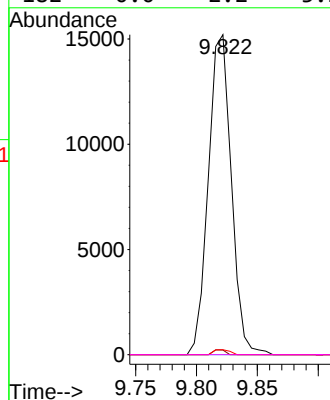
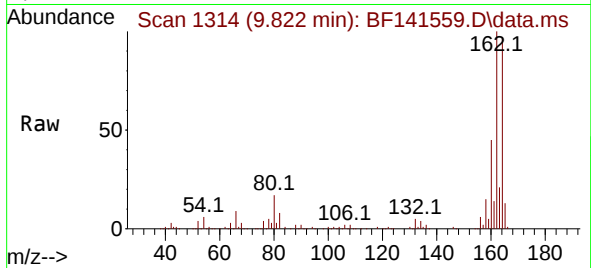




#57
2,4-Dinitrotoluene
Concen: 6.653 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141559.D
Acq: 11 Feb 2025 14:04

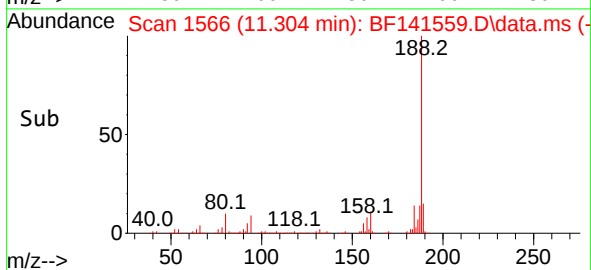
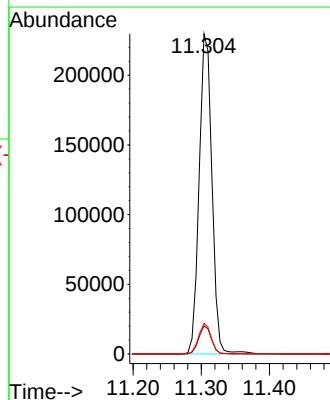
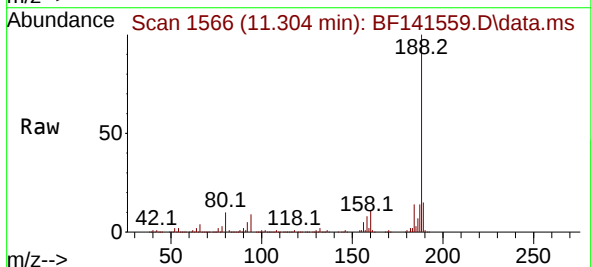
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BNA_F
ClientSampleId :
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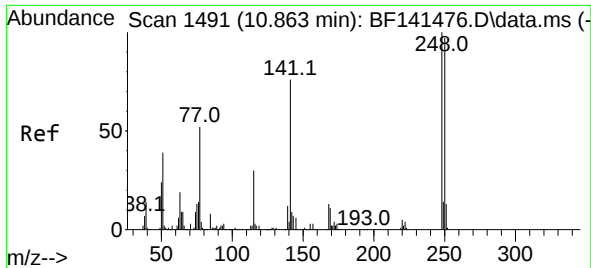
Tgt Ion:165 Resp: 19980
Ion Ratio Lower Upper
165 100
63 1.5 46.4 69.6#
89 1.6 61.8 92.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF141559.D
Acq: 11 Feb 2025 14:04

Tgt Ion:188 Resp: 299915
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 9.5 7.3 10.9

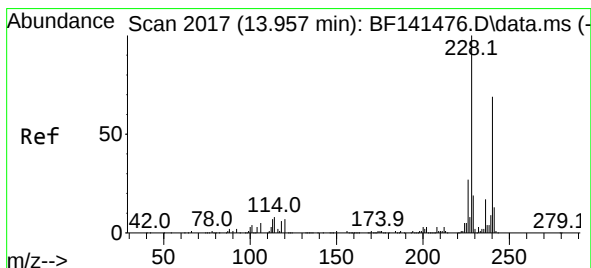
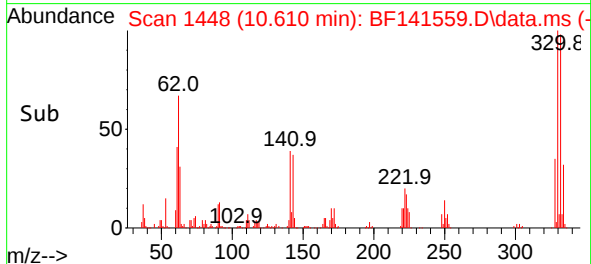
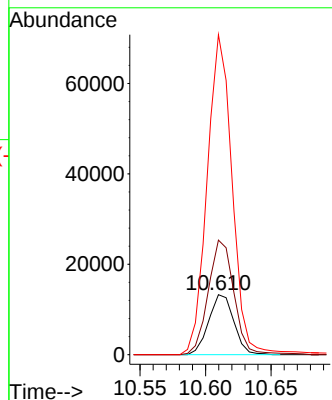
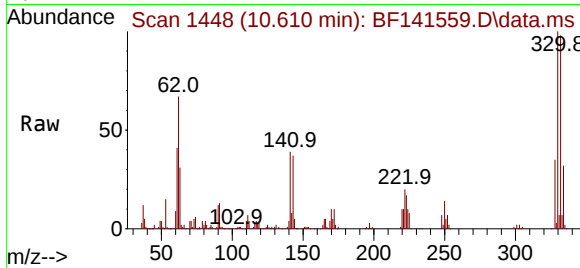




#67
4-Bromophenyl-phenylether
Concen: 5.292 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF141559.D
Acq: 11 Feb 2025 14:04

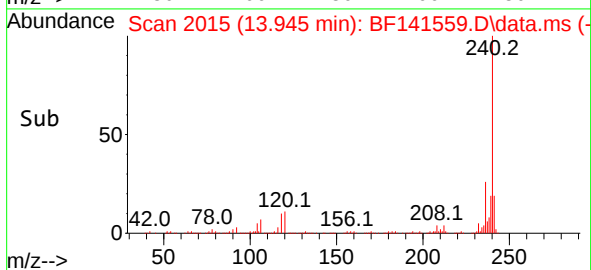
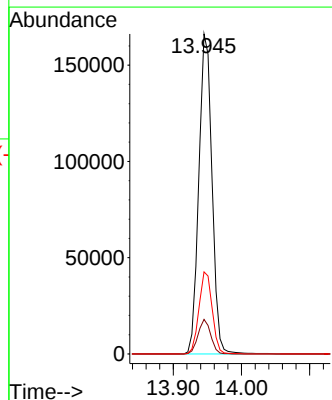
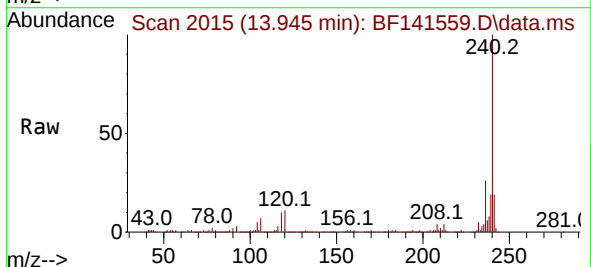
Instrument :
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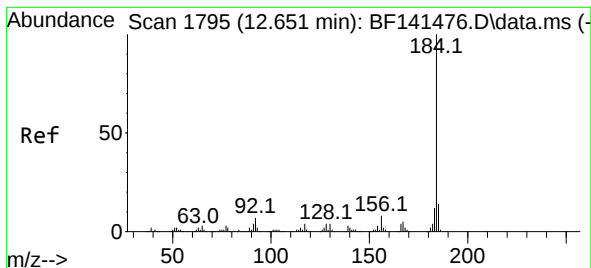
Tgt Ion:248 Resp: 17737
Ion Ratio Lower Upper
248 100
250 190.7 77.8 116.6#
141 533.0 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141559.D
Acq: 11 Feb 2025 14:04

Tgt Ion:240 Resp: 222399
Ion Ratio Lower Upper
240 100
120 10.8 8.0 12.0
236 25.6 19.8 29.8





#77

Benzidine

Concen: 3.682 ng

RT: 12.898 min Scan# 1837

Delta R.T. 0.241 min

Lab File: BF141559.D

Acq: 11 Feb 2025 14:04

Instrument :

BNA_F

ClientSampleId :

WC-6

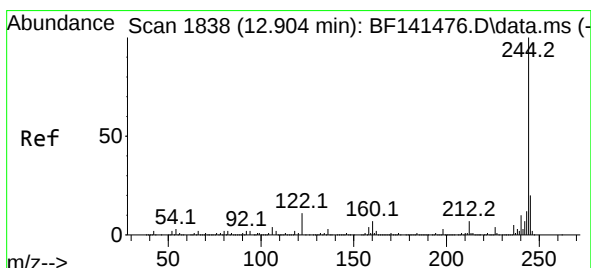
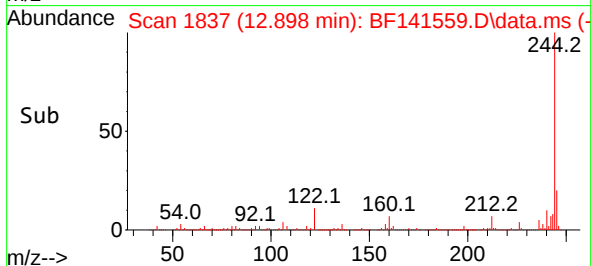
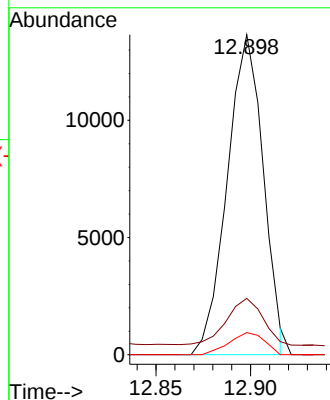
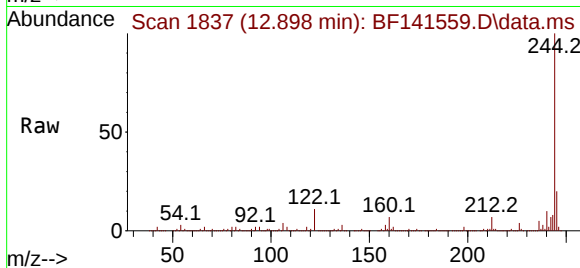
Tgt Ion:184 Resp: 18058

Ion Ratio Lower Upper

184 100

185 17.6 11.3 16.9#

183 6.9 9.3 13.9#



#79

Terphenyl-d14

Concen: 102.320 ng

RT: 12.898 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF141559.D

Acq: 11 Feb 2025 14:04

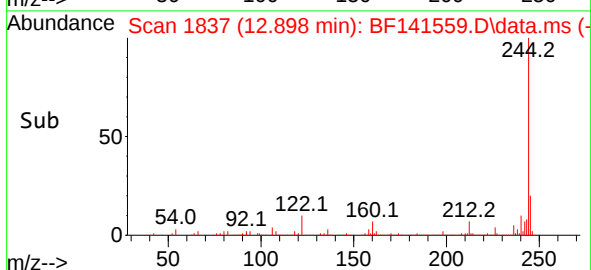
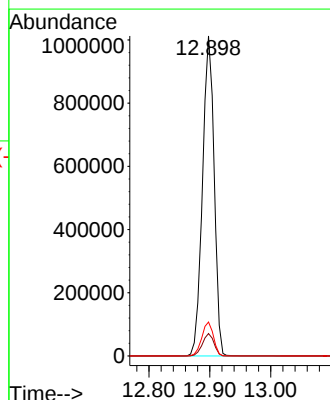
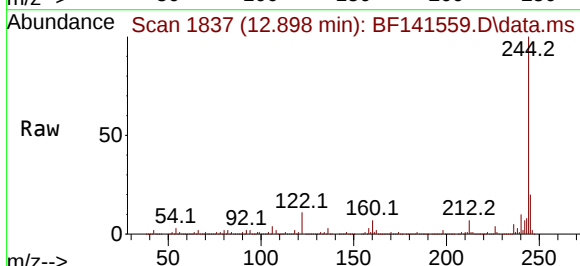
Tgt Ion:244 Resp: 1347955

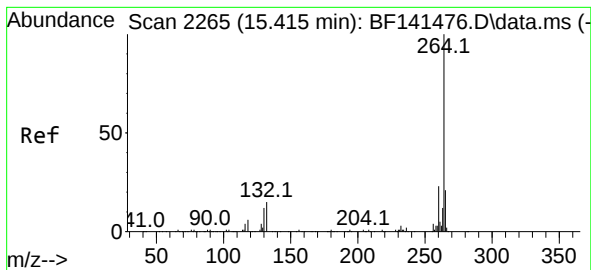
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.6 8.4 12.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141559.D

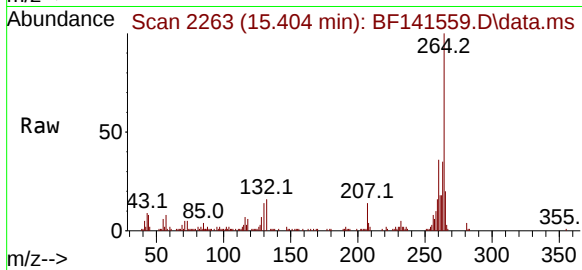
Acq: 11 Feb 2025 14:04

Instrument :

BNA_F

ClientSampleId :

WC-6



Tgt Ion:264 Resp: 48553

Ion Ratio Lower Upper

264 100

260 36.3 18.6 28.0#

265 20.4 17.0 25.4

