

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
 Data File : BF141790.D
 Acq On : 26 Feb 2025 18:55
 Operator : RC/JU
 Sample : Q1420-05RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-WC

Quant Time: Feb 27 00:06:17 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)

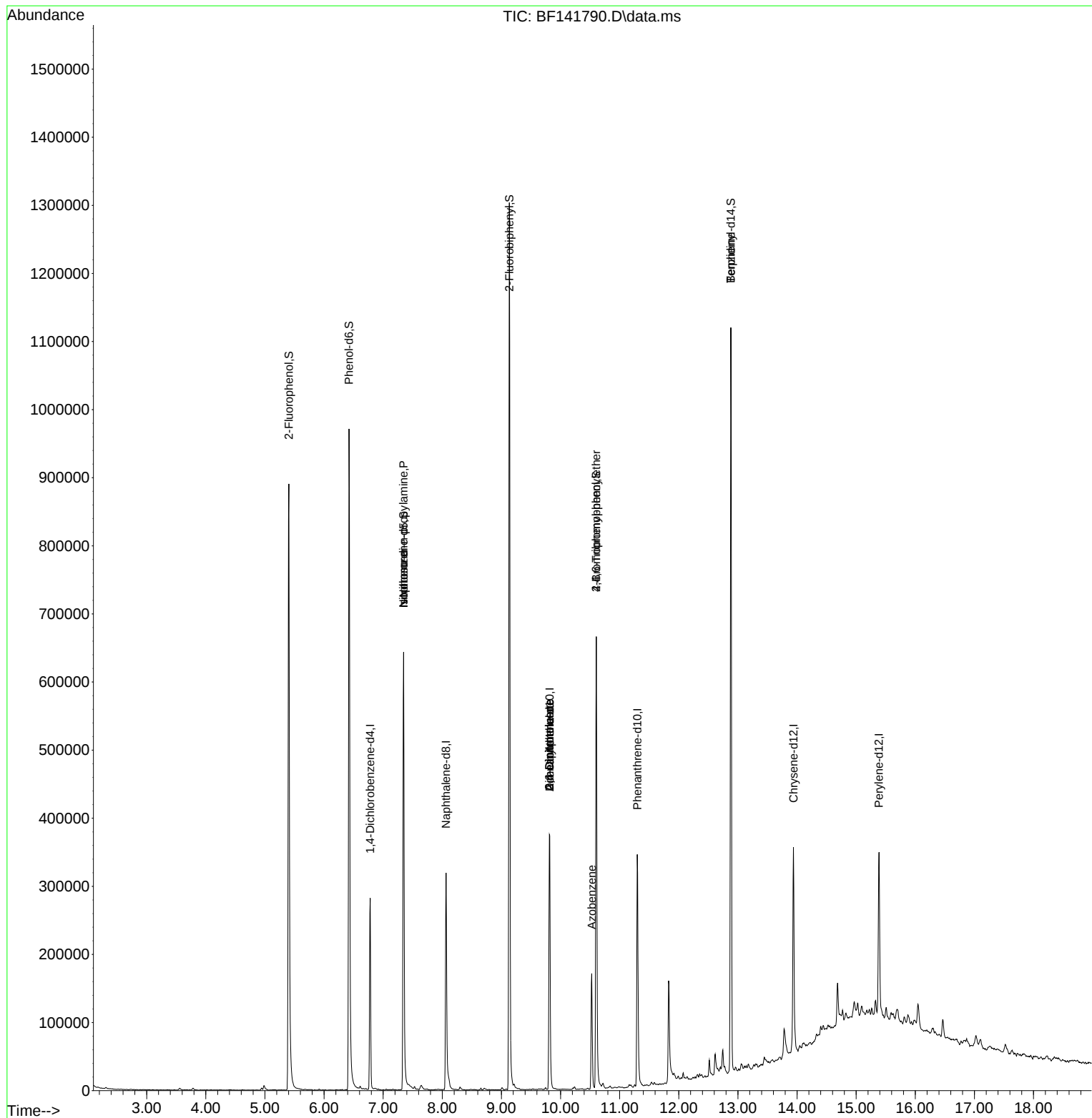
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	61262	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	247757	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	130529	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	202220	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	149172	20.000	ng	-0.02
86) Perylene-d12	15.386	264	133730	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	401945	102.861	ng	0.00
7) Phenol-d6	6.422	99	507388	102.732	ng	-0.02
23) Nitrobenzene-d5	7.345	82	317514	66.844	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	122013	93.053	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	602186	71.076	ng	-0.02
79) Terphenyl-d14	12.880	244	542601	61.406	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	41276	13.972	ng	# 70
25) Isophorone	7.345	82	310138	40.948	ng	# 66
50) Dimethylphthalate	9.816	163	18500	2.088	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	17286	8.923	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	17286	6.703	ng	# 18
63) Azobenzene	10.528	77	46634	5.380	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	7787	3.445	ng	# 1
77) Benzidine	12.880	184	6947	2.112	ng	# 89

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

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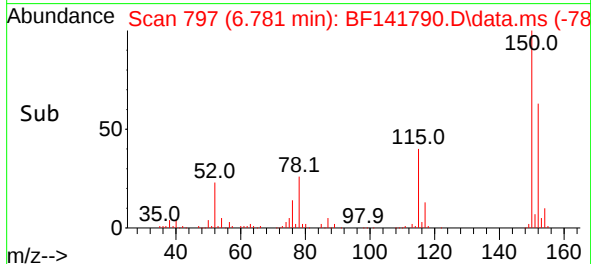
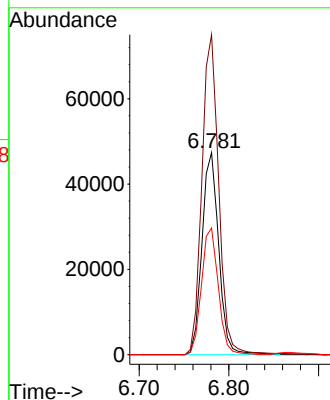
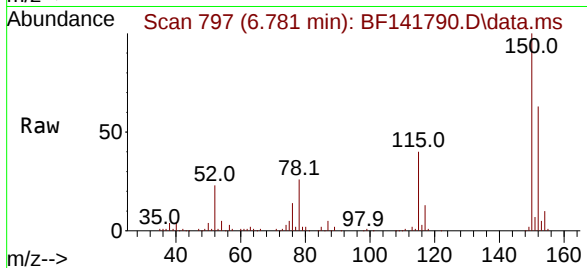




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141790.D
Acq: 26 Feb 2025 18:55

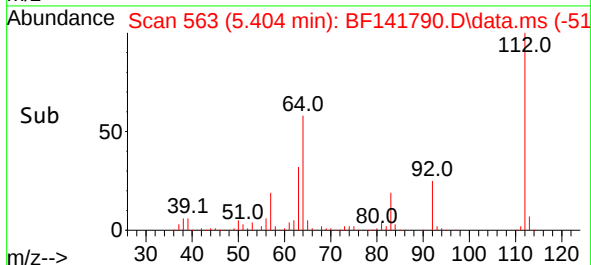
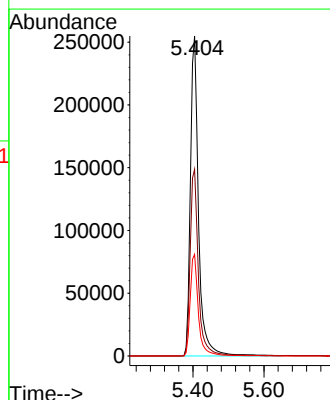
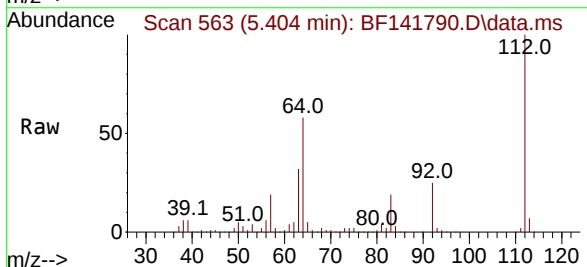
Instrument :
BNA_F
ClientSampleId :
TP-2-WC

Tgt Ion:152 Resp: 61262
Ion Ratio Lower Upper
152 100
150 158.4 125.0 187.4
115 62.7 53.6 80.4



#5
2-Fluorophenol
Concen: 102.861 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141790.D
Acq: 26 Feb 2025 18:55

Tgt Ion:112 Resp: 401945
Ion Ratio Lower Upper
112 100
64 58.4 51.1 76.7
63 31.7 28.4 42.6

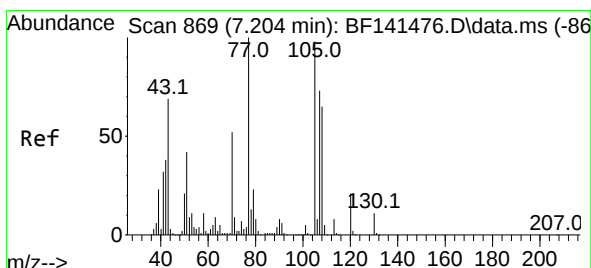
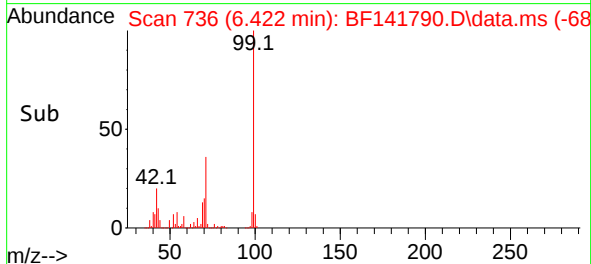
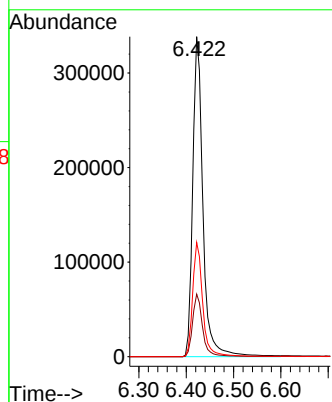
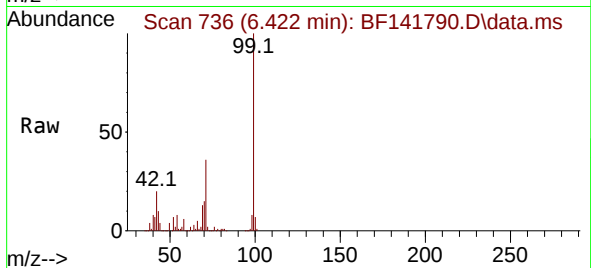




#7
Phenol-d6
Concen: 102.732 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141790.D
Acq: 26 Feb 2025 18:55

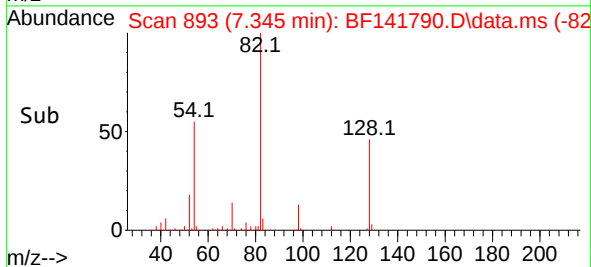
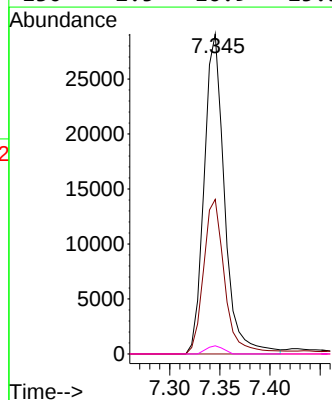
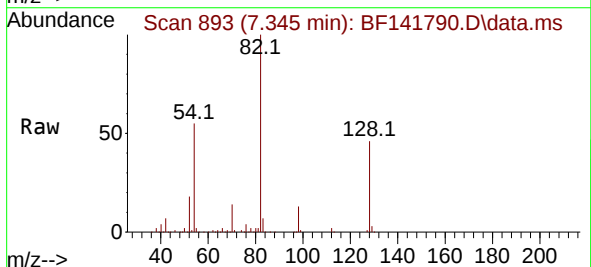
Instrument :
BNA_F
ClientSampleId :
TP-2-WC

Tgt Ion: 99 Resp: 507388
Ion Ratio Lower Upper
99 100
42 19.6 19.1 28.7
71 35.7 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.972 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141790.D
Acq: 26 Feb 2025 18:55

Tgt Ion: 70 Resp: 41276
Ion Ratio Lower Upper
70 100
42 48.3 57.4 86.2#
101 0.0 8.0 12.0#
130 2.5 16.9 25.3#

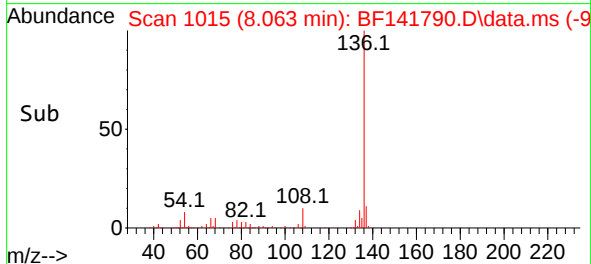
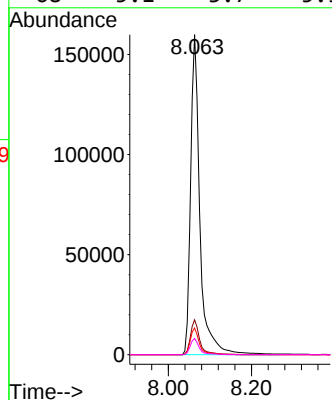
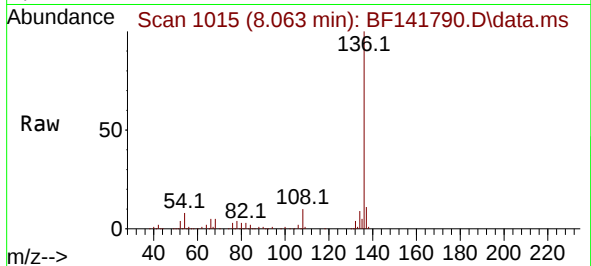




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141790.D
Acq: 26 Feb 2025 18:55

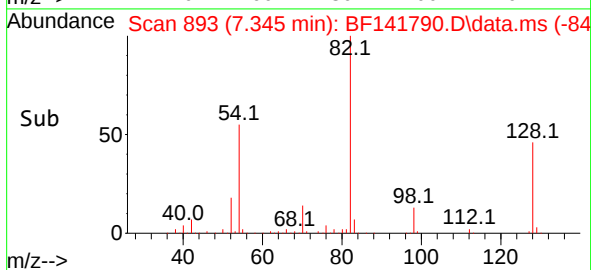
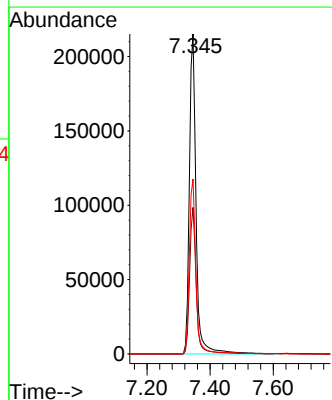
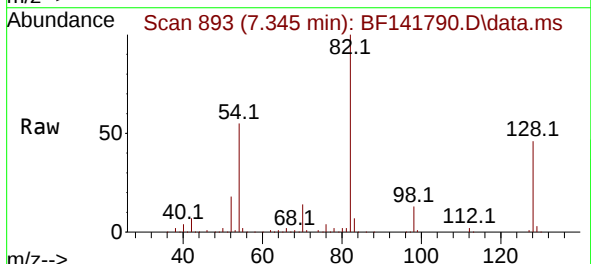
Instrument :
BNA_F
ClientSampleId :
TP-2-WC

Tgt Ion:136 Resp: 247757
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 7.2 10.8
68 5.1 3.7 5.5



#23
Nitrobenzene-d5
Concen: 66.844 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141790.D
Acq: 26 Feb 2025 18:55

Tgt Ion: 82 Resp: 317514
Ion Ratio Lower Upper
82 100
128 45.8 34.8 52.2
54 54.6 48.2 72.4

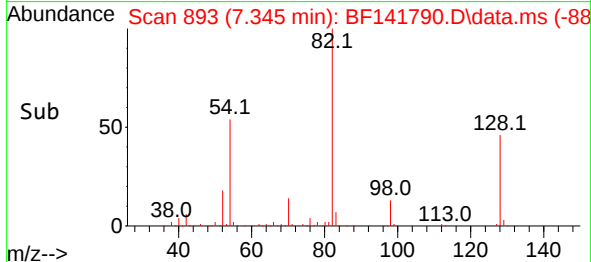
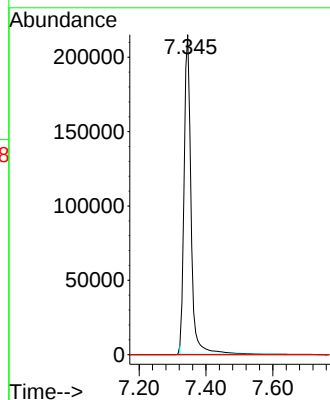
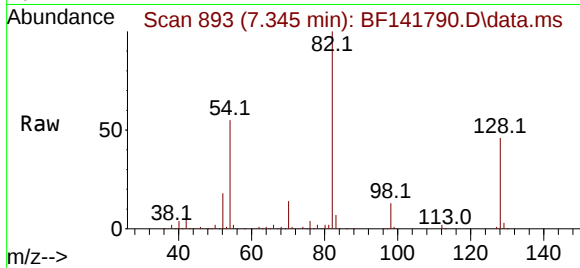




#25
Isophorone
Concen: 40.948 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141790.D
Acq: 26 Feb 2025 18:55

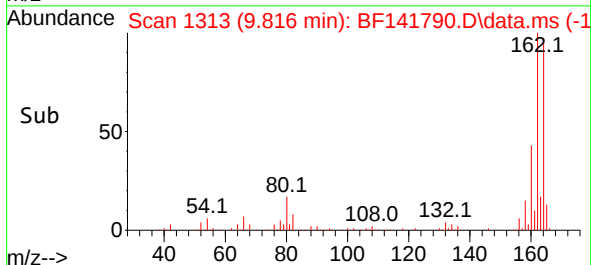
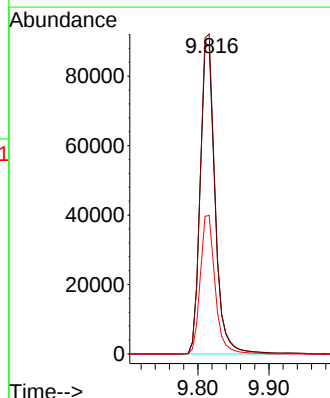
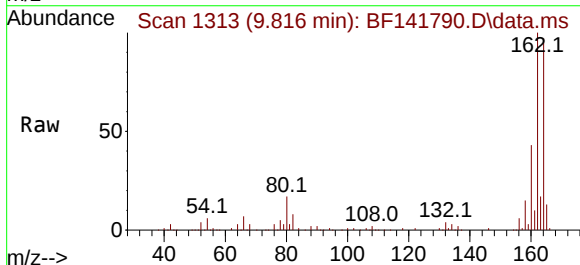
Instrument :
BNA_F
ClientSampleId :
TP-2-WC

Tgt Ion: 82 Resp: 310138
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: 9.816 min Scan# 1313
Delta R.T. -0.017 min
Lab File: BF141790.D
Acq: 26 Feb 2025 18:55

Tgt Ion: 164 Resp: 130529
Ion Ratio Lower Upper
164 100
162 103.4 81.3 121.9
160 44.8 35.9 53.9

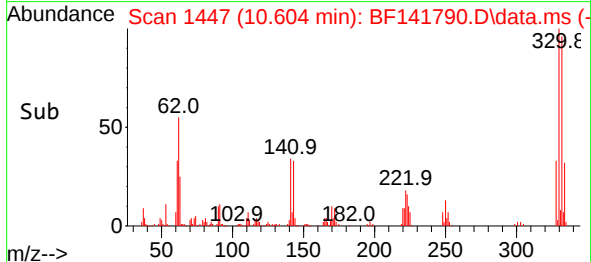
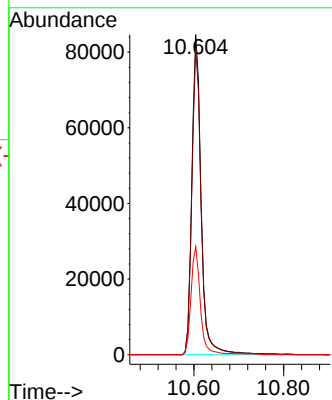
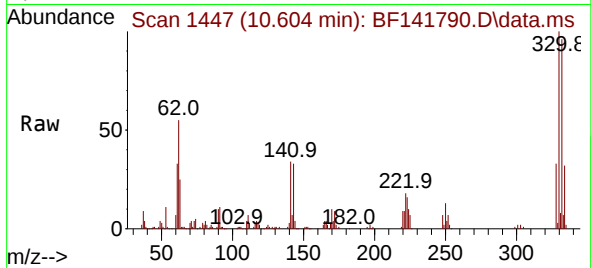




#42
2,4,6-Tribromophenol
Concen: 93.053 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141790.D
Acq: 26 Feb 2025 18:55

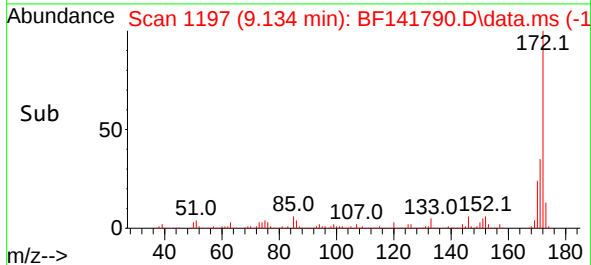
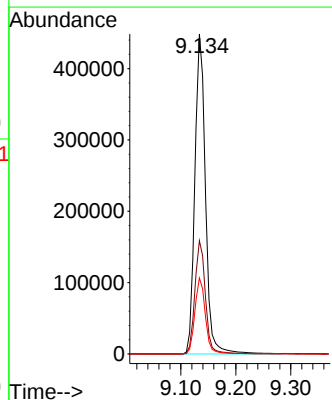
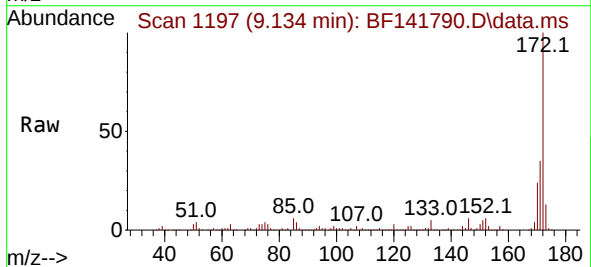
Instrument :
BNA_F
ClientSampleId :
TP-2-WC

Tgt Ion:330 Resp: 122013
Ion Ratio Lower Upper
330 100
332 96.3 78.5 117.7
141 34.0 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 71.076 ng
RT: 9.134 min Scan# 1197
Delta R.T. -0.017 min
Lab File: BF141790.D
Acq: 26 Feb 2025 18:55

Tgt Ion:172 Resp: 602186
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.7 18.9 28.3

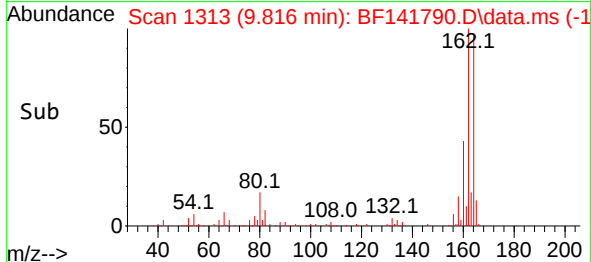
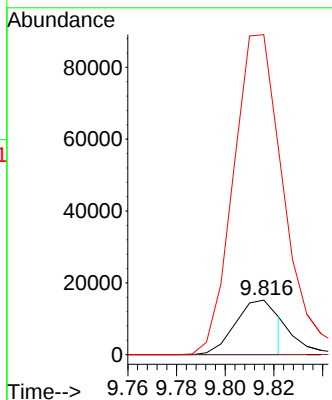
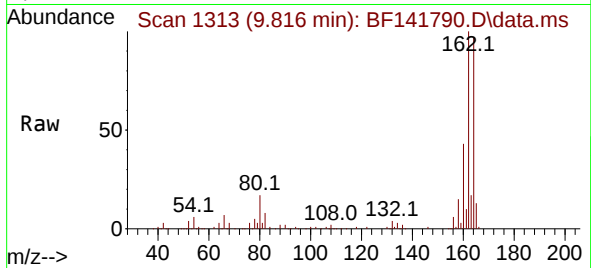




#50
Dimethylphthalate
Concen: 2.088 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.253 min
Lab File: BF141790.D
Acq: 26 Feb 2025 18:55

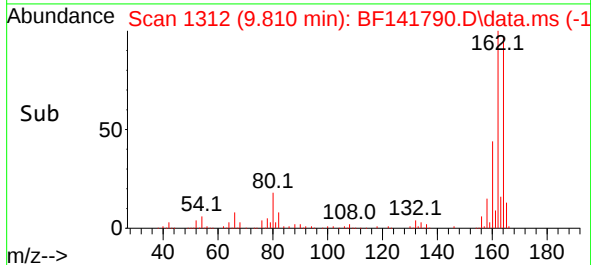
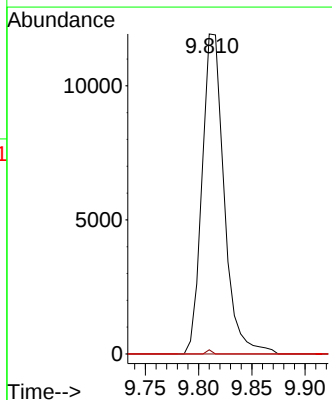
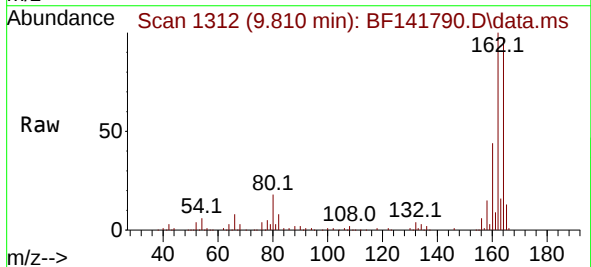
Instrument :
BNA_F
ClientSampleId :
TP-2-WC

Tgt Ion:163 Resp: 18500
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 585.9 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.923 ng
RT: 9.810 min Scan# 1312
Delta R.T. 0.188 min
Lab File: BF141790.D
Acq: 26 Feb 2025 18:55

Tgt Ion:165 Resp: 17286
Ion Ratio Lower Upper
165 100
63 1.3 49.4 74.0#
89 0.0 46.5 69.7#

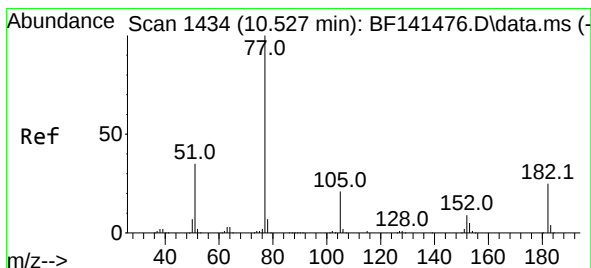
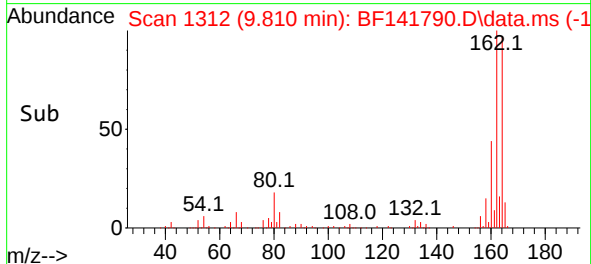
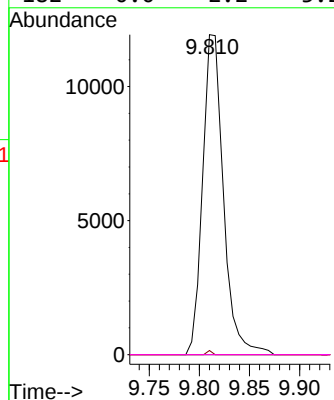
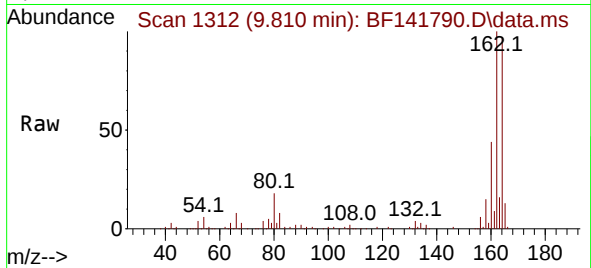




#57
2,4-Dinitrotoluene
Concen: 6.703 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.217 min
Lab File: BF141790.D
Acq: 26 Feb 2025 18:55

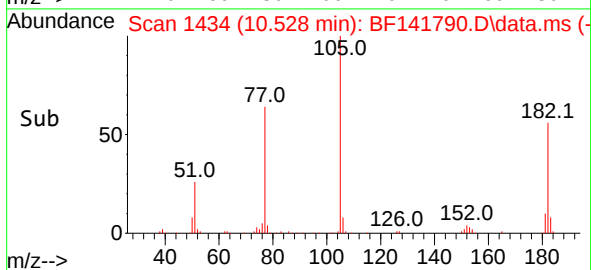
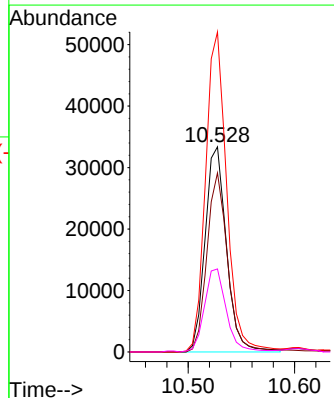
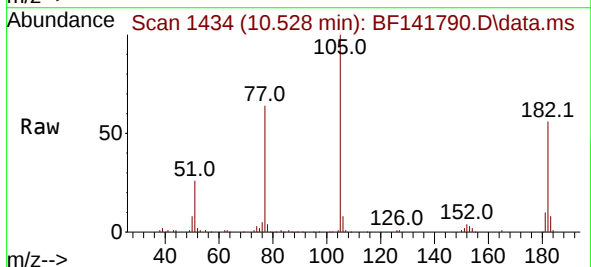
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BNA_F
ClientSampleId :
TP-2-WC

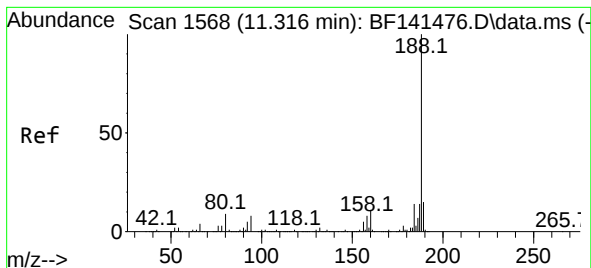
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Ion Ratio Lower Upper
165 100
63 1.3 46.4 69.6#
89 0.0 61.8 92.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 5.380 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141790.D
Acq: 26 Feb 2025 18:55

Tgt Ion: 77 Resp: 46634
Ion Ratio Lower Upper
77 100
182 87.3 4.7 44.7#
105 156.0 0.4 40.4#
51 40.5 16.5 56.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF141790.D

Acq: 26 Feb 2025 18:55

Instrument :

BNA_F

ClientSampleId :

TP-2-WC

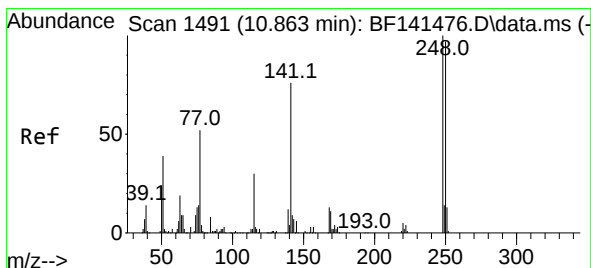
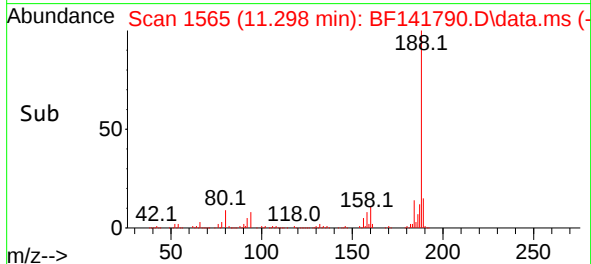
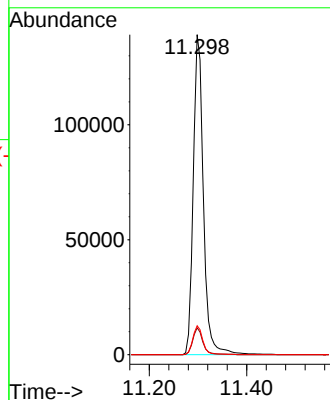
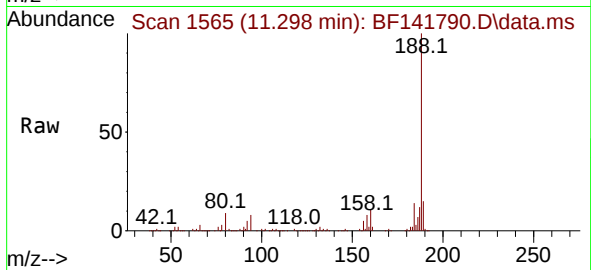
Tgt Ion:188 Resp: 202220

Ion Ratio Lower Upper

188 100

94 8.4 6.6 10.0

80 9.1 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.445 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.259 min

Lab File: BF141790.D

Acq: 26 Feb 2025 18:55

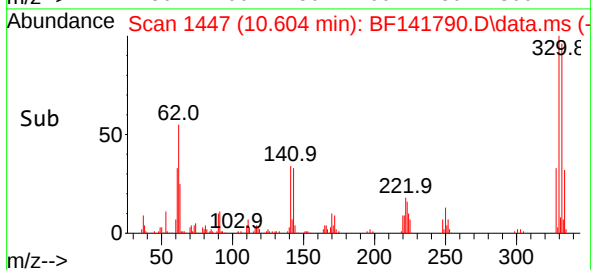
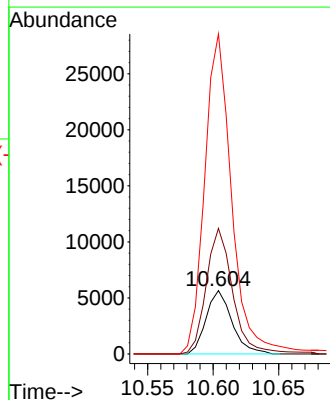
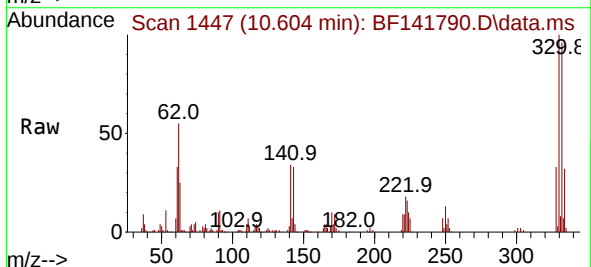
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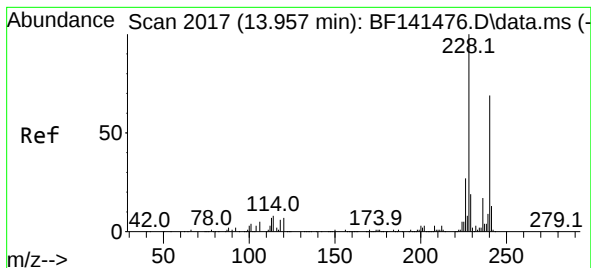
Ion Ratio Lower Upper

248 100

250 198.1 77.8 116.6#

141 504.6 60.6 90.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.023 min

Lab File: BF141790.D

Acq: 26 Feb 2025 18:55

Instrument :

BNA_F

ClientSampleId :

TP-2-WC

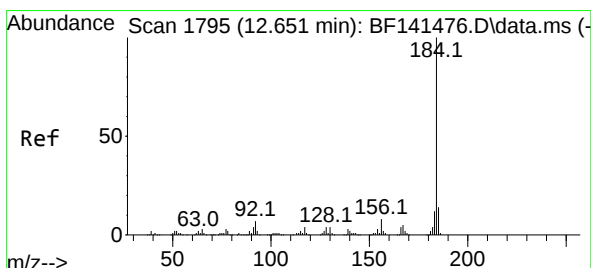
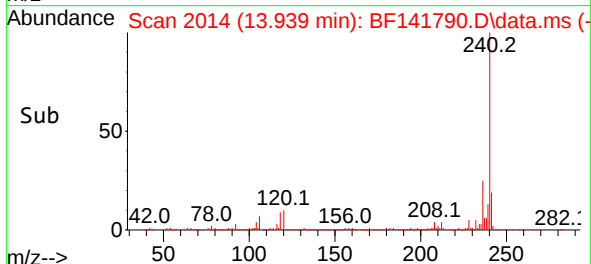
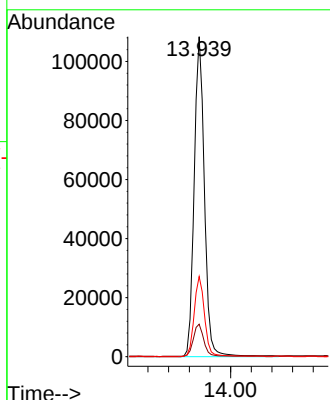
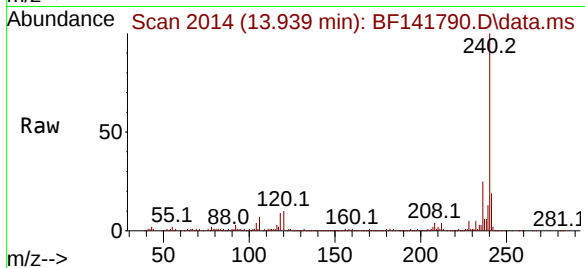
Tgt Ion:240 Resp: 149172

Ion Ratio Lower Upper

240 100

120 10.2 8.0 12.0

236 25.0 19.8 29.8



#77

Benidine

Concen: 2.112 ng

RT: 12.880 min Scan# 1834

Delta R.T. 0.224 min

Lab File: BF141790.D

Acq: 26 Feb 2025 18:55

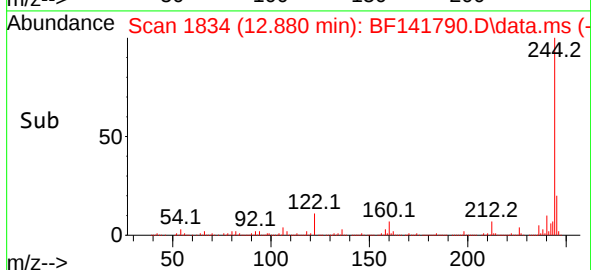
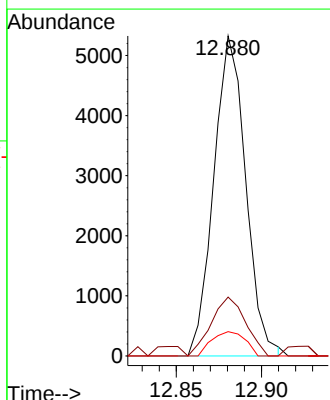
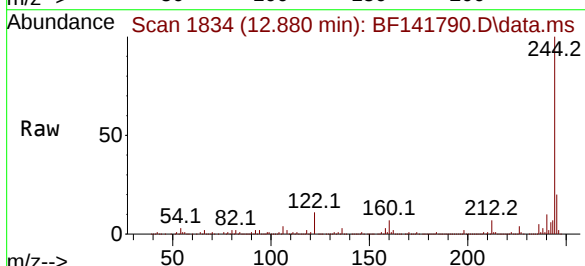
Tgt Ion:184 Resp: 6947

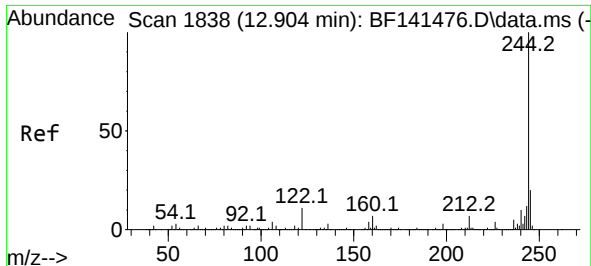
Ion Ratio Lower Upper

184 100

185 18.4 11.3 16.9#

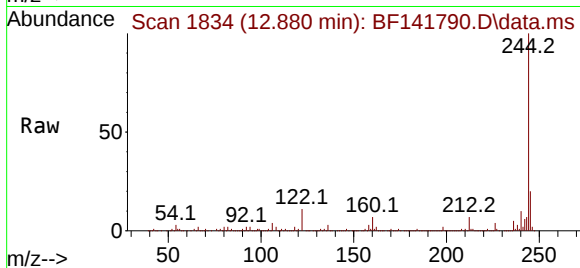
183 7.6 9.3 13.9#



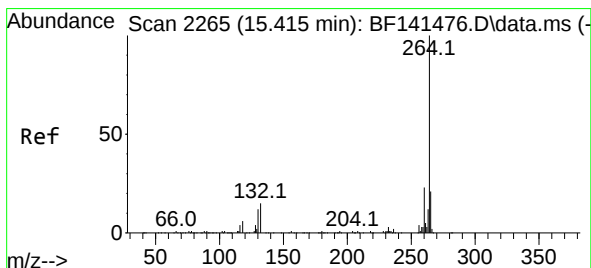
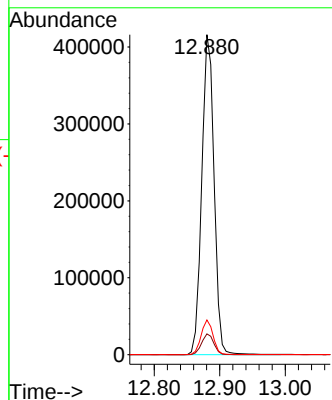
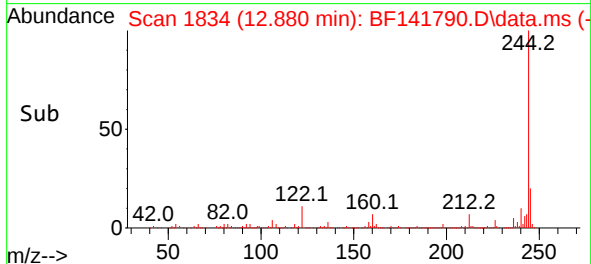


#79
 Terphenyl-d14
 Concen: 61.406 ng
 RT: 12.880 min Scan# 1834
 Delta R.T. -0.023 min
 Lab File: BF141790.D
 Acq: 26 Feb 2025 18:55

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-WC



Tgt Ion:244 Resp: 542601
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 10.9 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.386 min Scan# 2260
 Delta R.T. -0.029 min
 Lab File: BF141790.D
 Acq: 26 Feb 2025 18:55

Tgt Ion:264 Resp: 133730
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.6 28.0
 265 21.7 17.0 25.4

