

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021825\
 Data File : BF141661.D
 Acq On : 18 Feb 2025 15:01
 Operator : RC/JU
 Sample : Q1373-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VB27161

Quant Time: Feb 18 15:25:29 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)

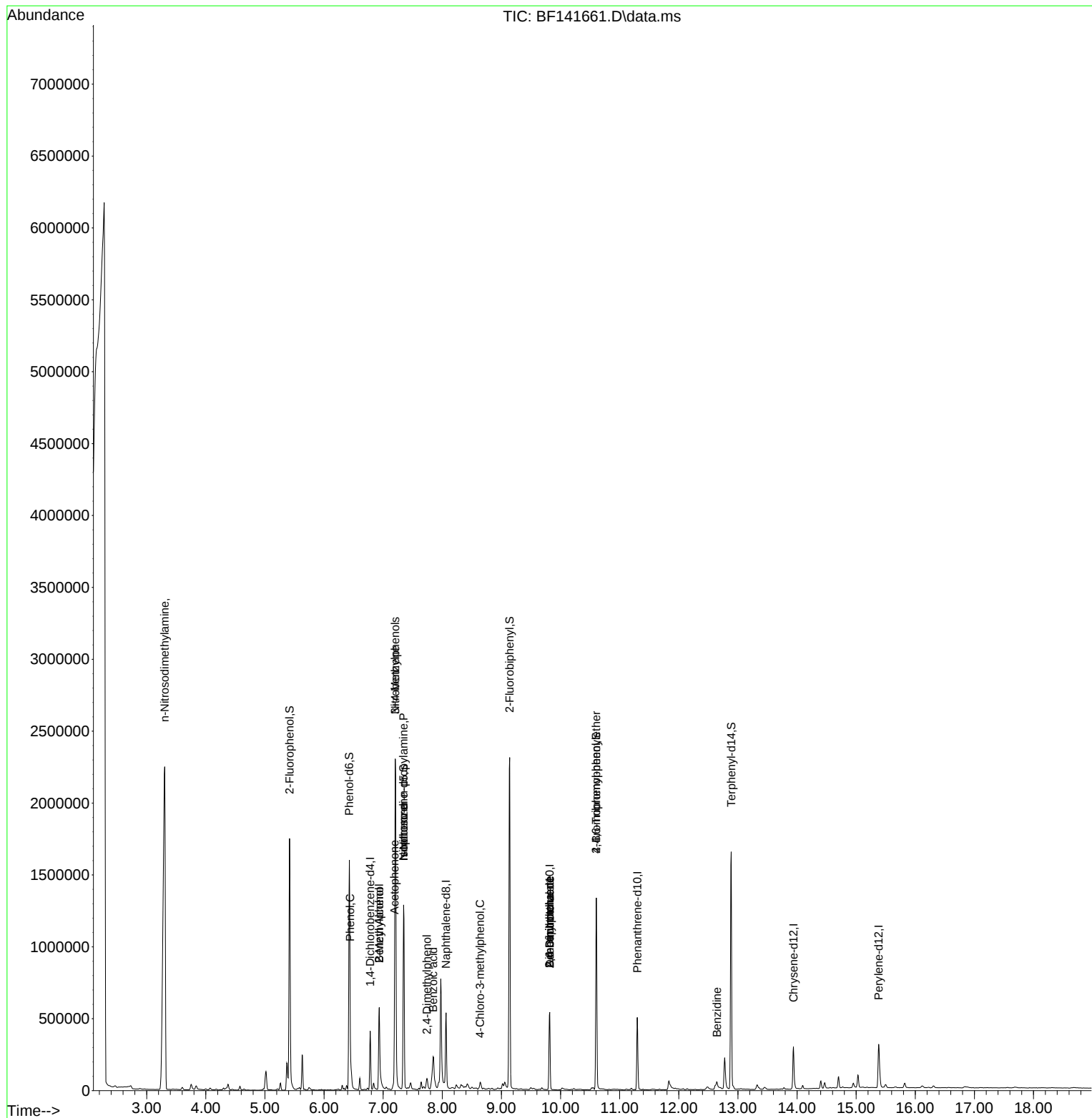
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	81687	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	320296	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	164284	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	261538	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	138074	20.000	ng	-0.02
86) Perylene-d12	15.380	264	172928	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	675661	129.673	ng	0.00
7) Phenol-d6	6.428	99	751397	114.097	ng	-0.01
23) Nitrobenzene-d5	7.345	82	574371	93.533	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	214007	129.677	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	1030126	96.604	ng	-0.01
79) Terphenyl-d14	12.886	244	815315	99.685	ng	-0.02
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.304	42	168410	50.967	ng	# 3
10) Phenol	6.440	94	23309	3.401	ng	# 68
15) Benzyl Alcohol	6.934	79	200488	39.699	ng	96
17) 2-Methylphenol	6.934	107	105949	24.047	ng	# 20
19) n-Nitroso-di-n-propyla...	7.345	70	79523	20.187	ng	# 74
20) 3+4-Methylphenols	7.204	107	790015	141.092	ng	# 53
22) Acetophenone	7.192	105	28947	3.633	ng	# 1
24) Nitrobenzene	7.204	77	299458	50.009	ng	# 45
25) Isophorone	7.345	82	566825	57.890	ng	# 66
27) 2,4-Dimethylphenol	7.739	122	22679	6.516	ng	94
32) Benzoic acid	7.845	122	64825	17.932	ng	96
36) 4-Chloro-3-methylphenol	8.639	107	12296	2.361	ng	# 73
50) Dimethylphthalate	9.816	163	26735	2.397	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	21955	9.005	ng	# 22
57) 2,4-Dinitrotoluene	9.816	165	21955	6.764	ng	# 19
67) 4-Bromophenyl-phenylether	10.604	248	14848	5.080	ng	# 1
77) Benzidine	12.645	184	31887	10.471	ng	# 96

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

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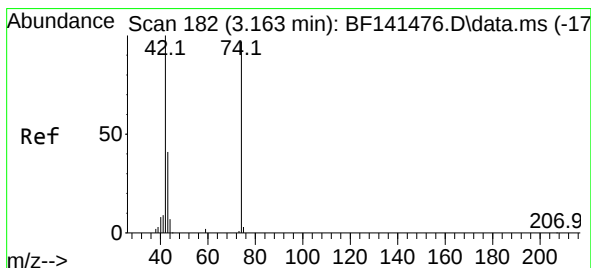
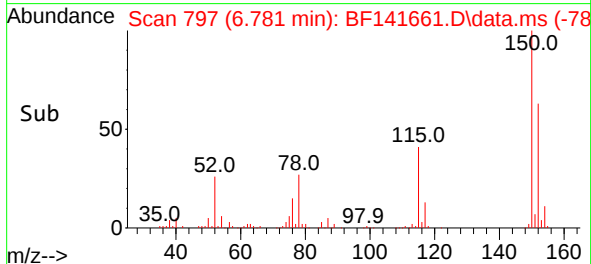
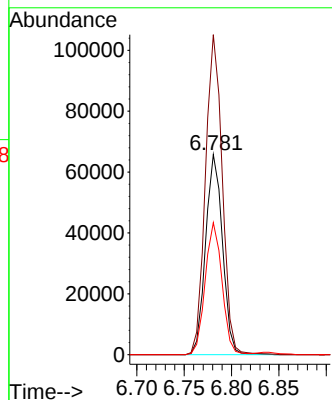
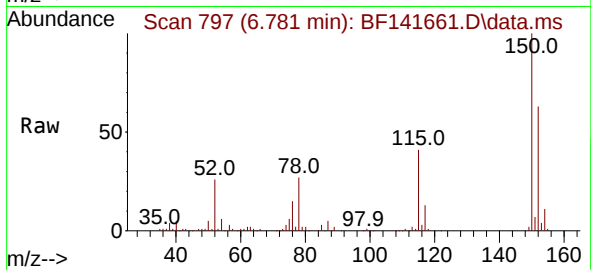




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

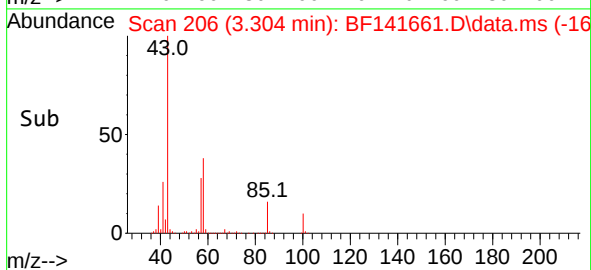
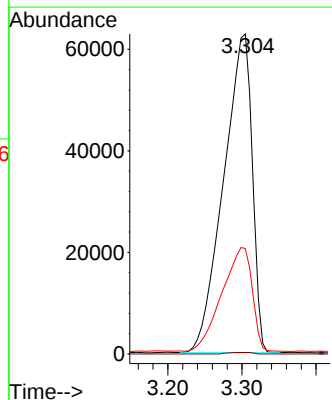
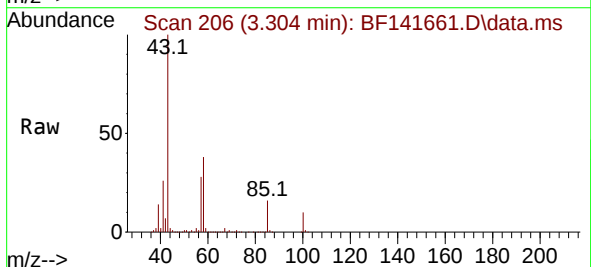
Instrument :
BNA_F
ClientSampleId :
VB27161

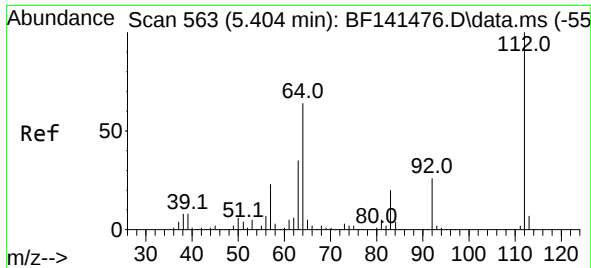
Tgt Ion:152 Resp: 81687
Ion Ratio Lower Upper
152 100
150 159.8 125.0 187.4
115 65.9 53.6 80.4



#4
n-Nitrosodimethylamine
Concen: 50.967 ng
RT: 3.304 min Scan# 206
Delta R.T. 0.118 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

Tgt Ion: 42 Resp: 168410
Ion Ratio Lower Upper
42 100
74 0.5 78.0 117.0#
44 33.0 5.4 8.2#

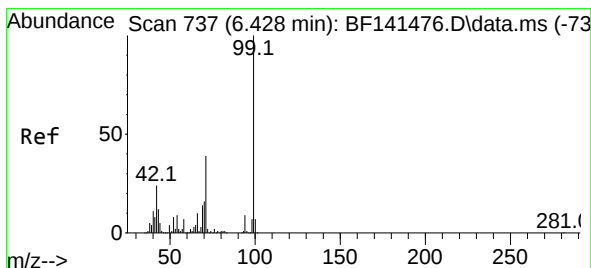
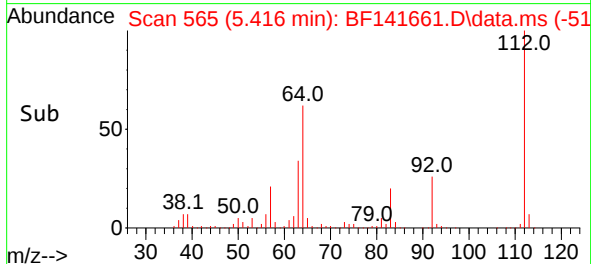
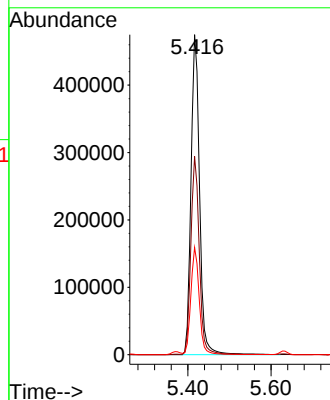
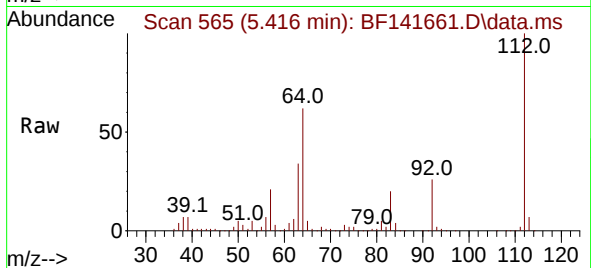




#5
2-Fluorophenol
Concen: 129.673 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

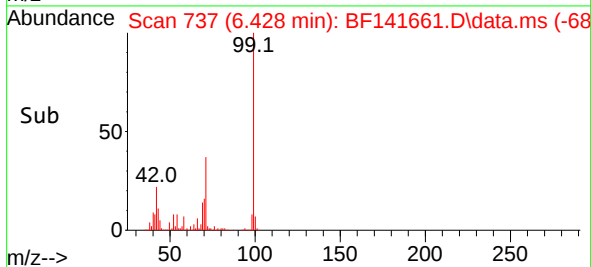
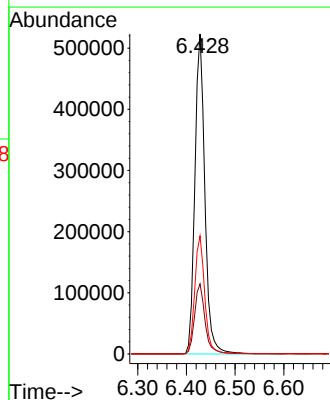
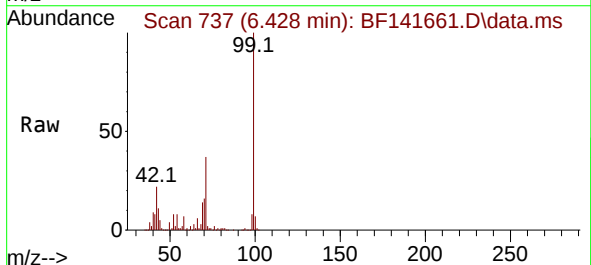
Instrument :
BNA_F
ClientSampleId :
VB27161

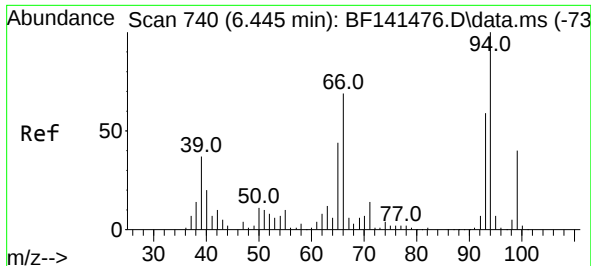
Tgt Ion:112 Resp: 675661
Ion Ratio Lower Upper
112 100
64 62.0 51.1 76.7
63 33.5 28.4 42.6



#7
Phenol-d6
Concen: 114.097 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

Tgt Ion: 99 Resp: 751397
Ion Ratio Lower Upper
99 100
42 21.9 19.1 28.7
71 36.9 31.1 46.7





#10

Phenol

Concen: 3.401 ng

RT: 6.440 min Scan# 740

Delta R.T. -0.018 min

Lab File: BF141661.D

Acq: 18 Feb 2025 15:01

Instrument :

BNA_F

ClientSampleId :

VB27161

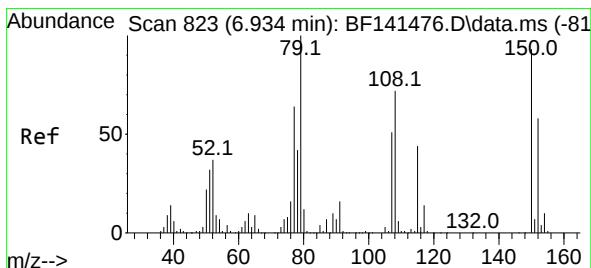
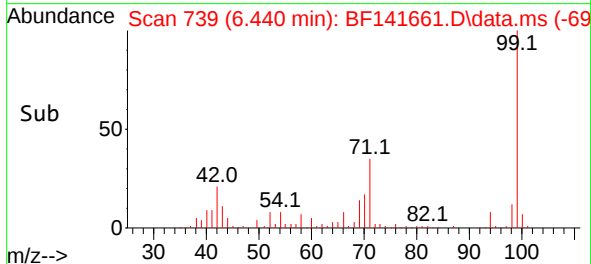
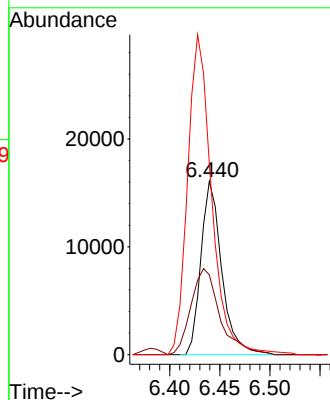
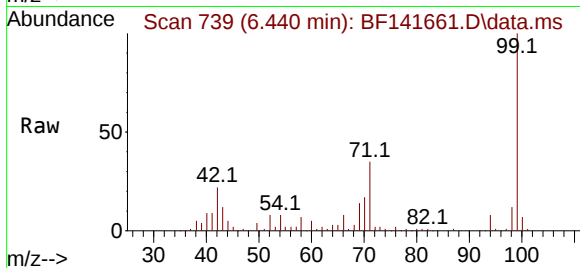
Tgt Ion: 94 Resp: 23309

Ion Ratio Lower Upper

94 100

65 46.1 23.7 63.7

66 110.3 49.3 89.3#



#15

Benzyl Alcohol

Concen: 39.699 ng

RT: 6.934 min Scan# 823

Delta R.T. -0.006 min

Lab File: BF141661.D

Acq: 18 Feb 2025 15:01

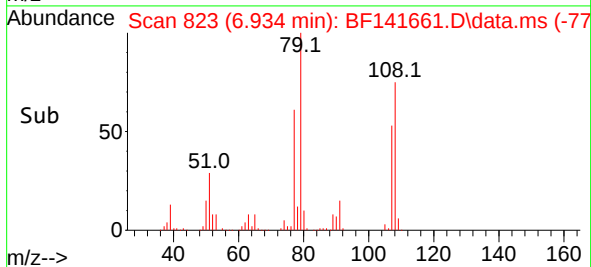
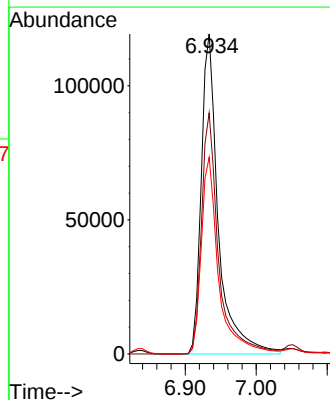
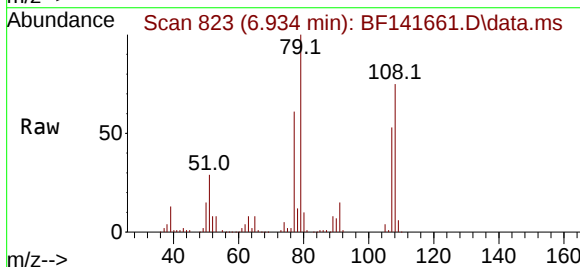
Tgt Ion: 79 Resp: 200488

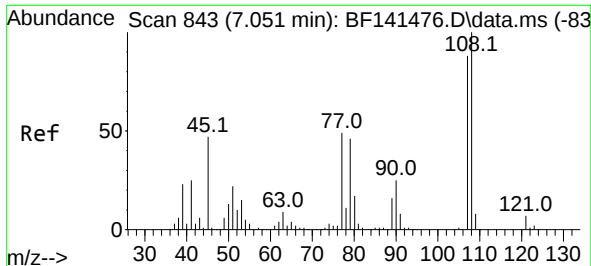
Ion Ratio Lower Upper

79 100

108 75.3 57.4 86.2

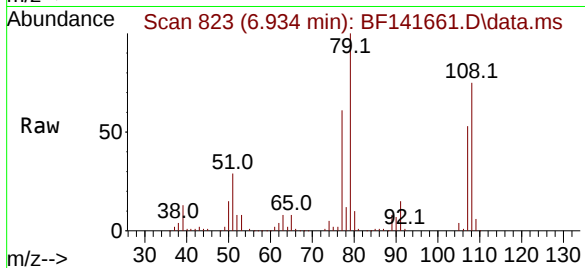
77 61.5 50.9 76.3



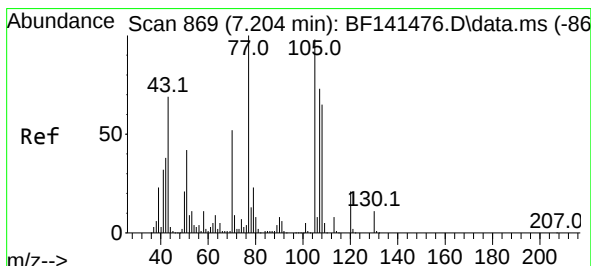
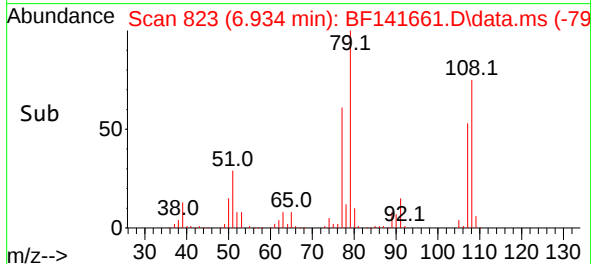
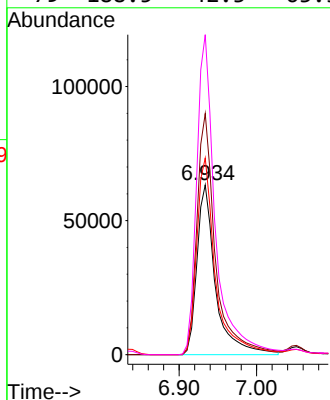


#17
2-Methylphenol
Concen: 24.047 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.123 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

Instrument :
BNA_F
ClientSampleId :
VB27161

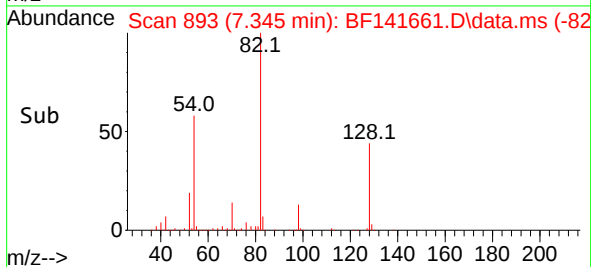
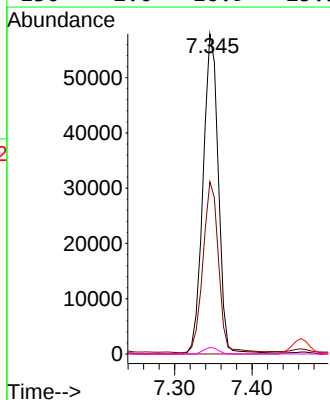
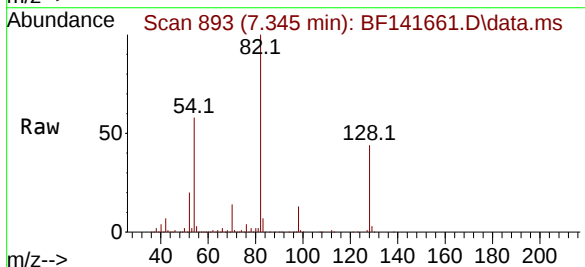


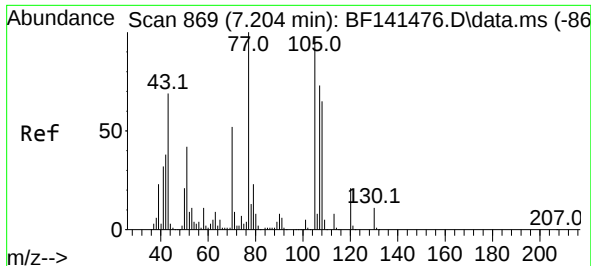
Tgt Ion:107 Resp: 105949
Ion Ratio Lower Upper
107 100
108 142.1 90.6 136.0#
77 115.9 44.4 66.6#
79 188.5 42.3 63.5#



#19
n-Nitroso-di-n-propylamine
Concen: 20.187 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

Tgt Ion: 70 Resp: 79523
Ion Ratio Lower Upper
70 100
42 53.8 57.4 86.2#
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#

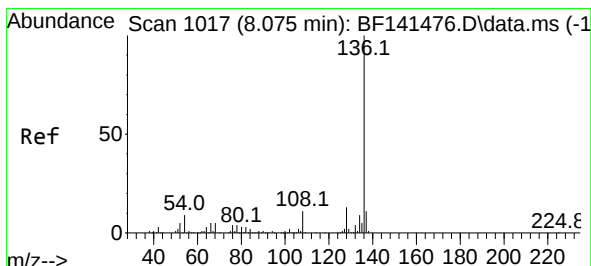
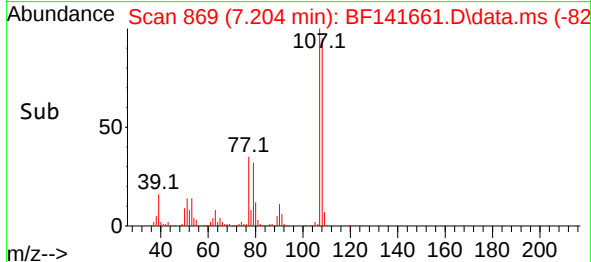
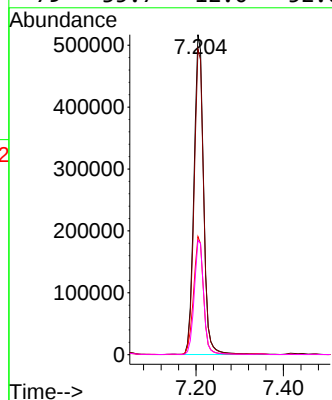
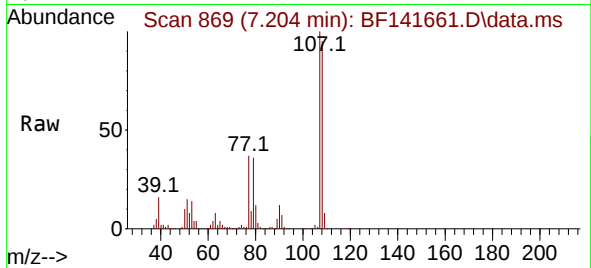




#20
3+4-Methylphenols
Concen: 141.092 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

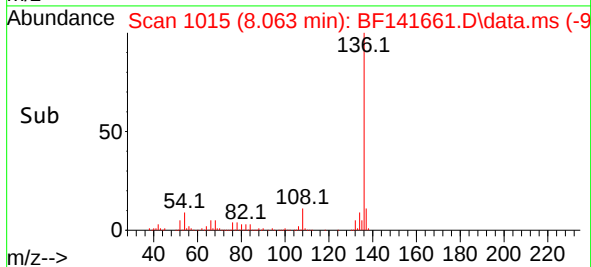
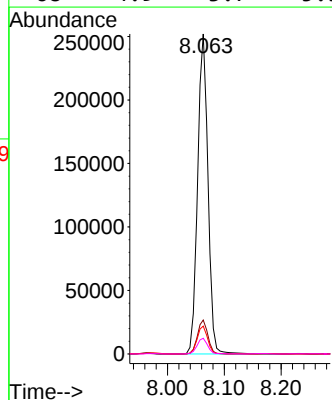
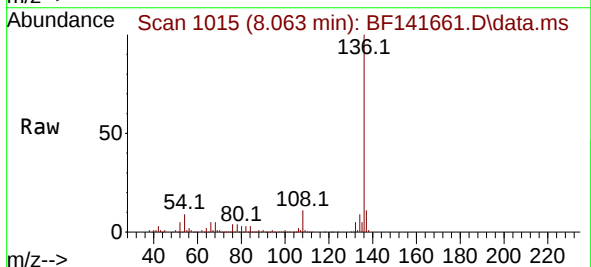
Instrument :
BNA_F
ClientSampleId :
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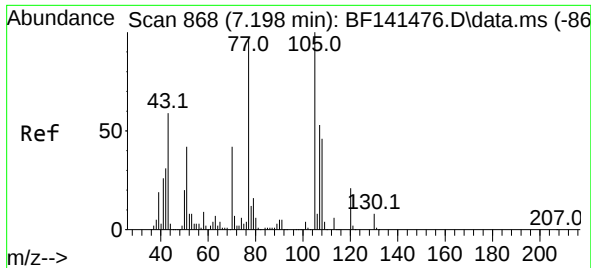
Tgt Ion:107 Resp: 790015
Ion Ratio Lower Upper
107 100
108 95.4 68.5 108.5
77 36.9 116.5 156.5#
79 35.7 12.0 52.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

Tgt Ion:136 Resp: 320296
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.7 7.2 10.8
68 4.9 3.7 5.5

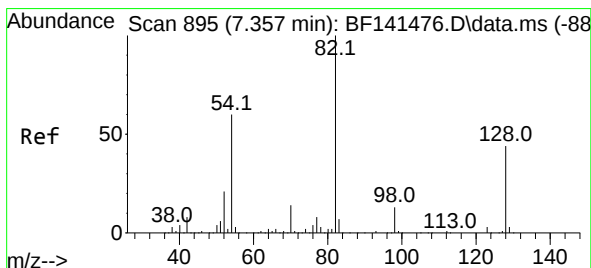
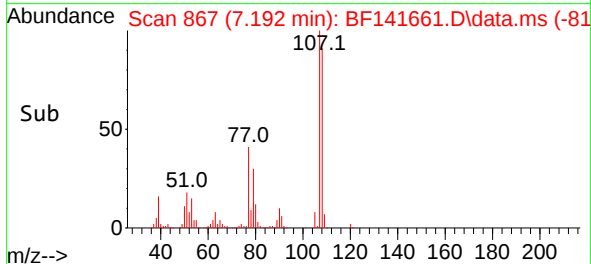
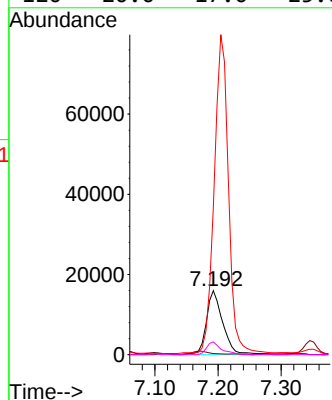
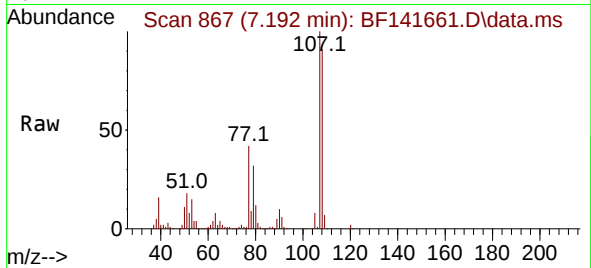




#22
Acetophenone
Concen: 3.633 ng
RT: 7.192 min Scan# 810
Delta R.T. -0.017 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

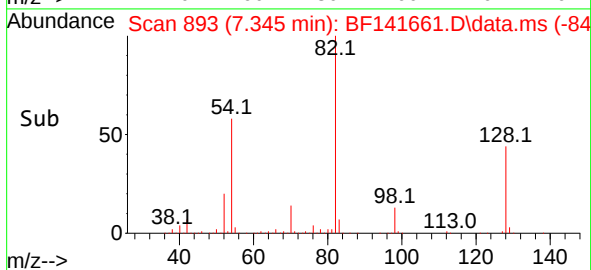
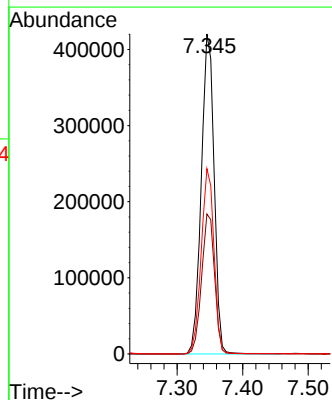
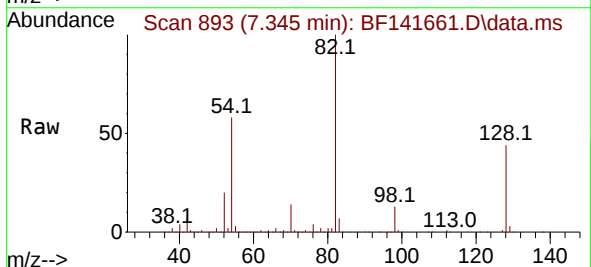
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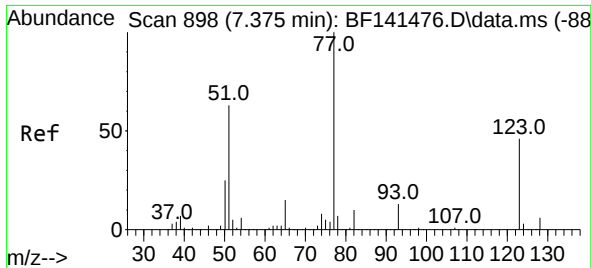
Tgt Ion:105 Resp: 28947
Ion Ratio Lower Upper
105 100
71 1.9 5.7 8.5#
51 229.9 33.7 50.5#
120 20.0 17.0 25.6



#23
Nitrobenzene-d5
Concen: 93.533 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

Tgt Ion: 82 Resp: 574371
Ion Ratio Lower Upper
82 100
128 43.7 34.8 52.2
54 57.9 48.2 72.4

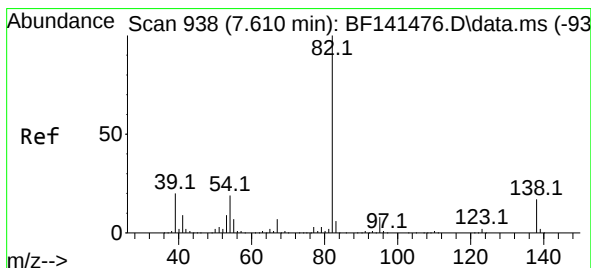
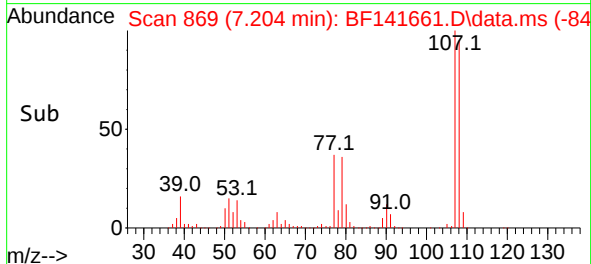
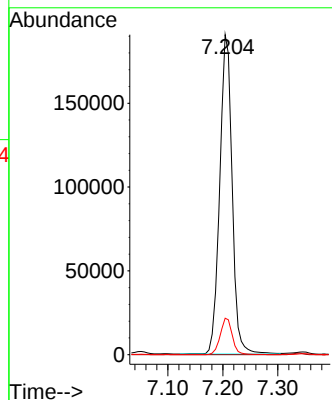
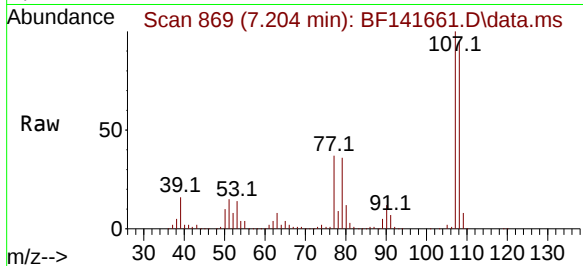




#24
Nitrobenzene
Concen: 50.009 ng
RT: 7.204 min Scan# 80
Delta R.T. -0.176 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

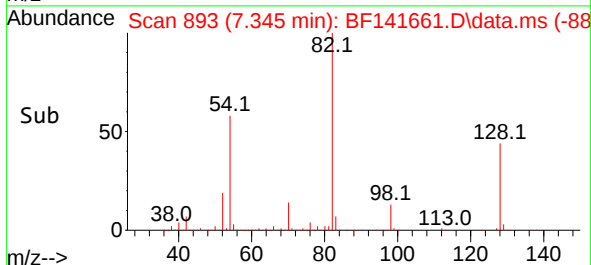
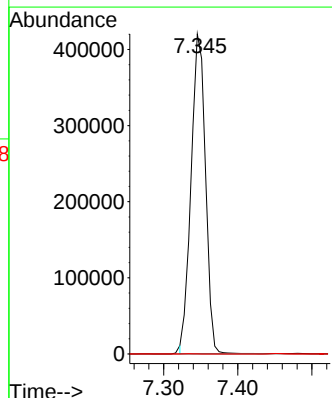
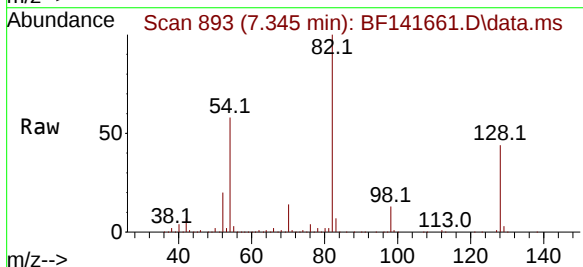
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VB27161

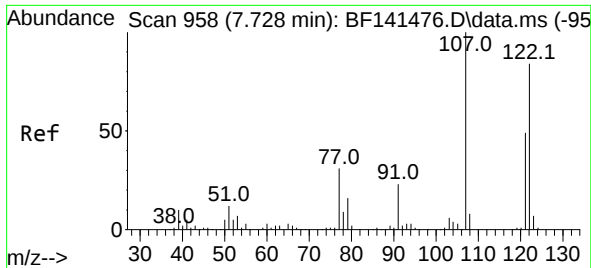
Tgt Ion: 77 Resp: 299458
Ion Ratio Lower Upper
77 100
123 0.0 36.9 55.3#
65 11.4 11.9 17.9#



#25
Isophorone
Concen: 57.890 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

Tgt Ion: 82 Resp: 566825
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#

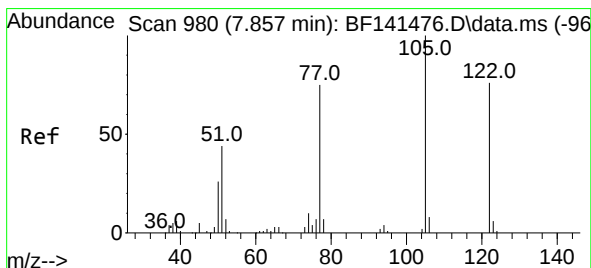
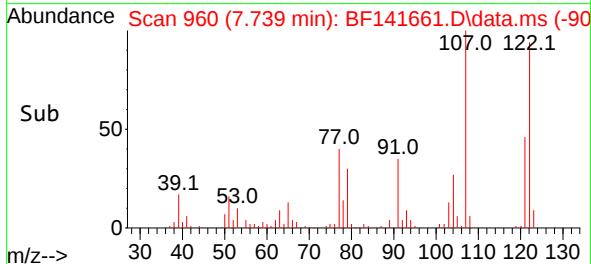
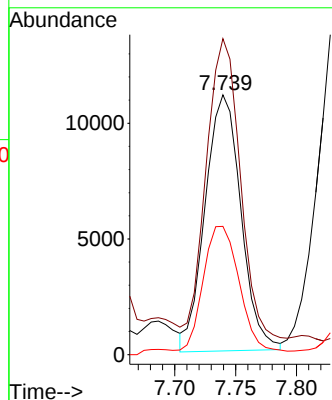
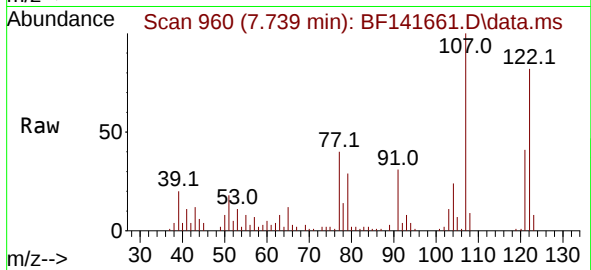




#27
2,4-Dimethylphenol
Concen: 6.516 ng
RT: 7.739 min Scan# 90
Delta R.T. 0.006 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

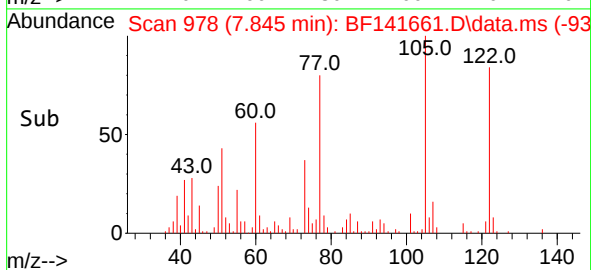
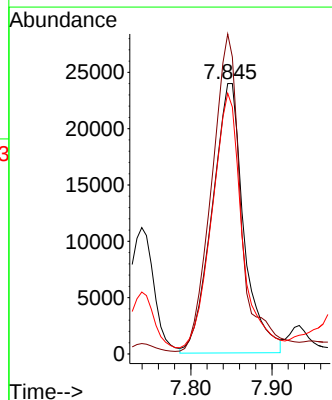
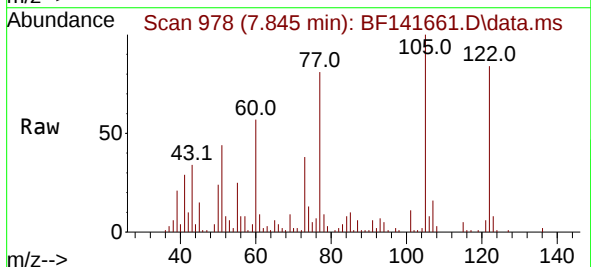
Instrument :
BNA_F
ClientSampleId :
VB27161

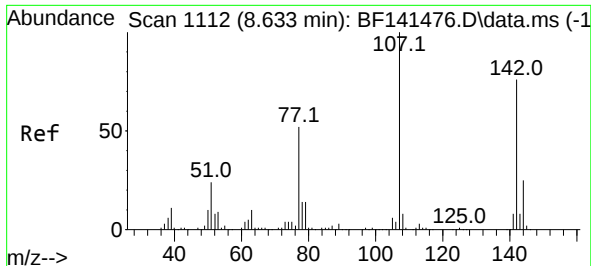
Tgt Ion:122 Resp: 22679
Ion Ratio Lower Upper
122 100
107 121.6 94.3 141.5
121 49.4 46.0 69.0



#32
Benzoic acid
Concen: 17.932 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.047 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

Tgt Ion:122 Resp: 64825
Ion Ratio Lower Upper
122 100
105 118.4 106.5 146.5
77 96.4 76.3 116.3

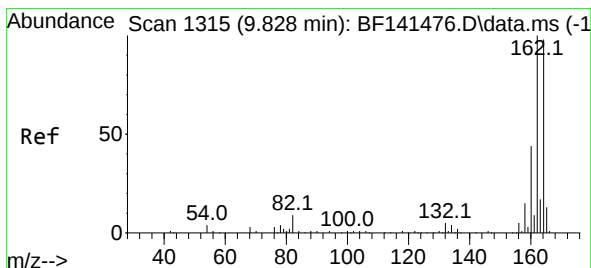
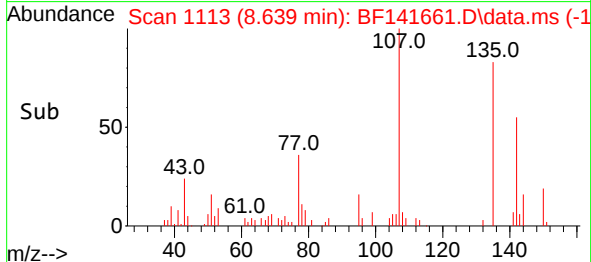
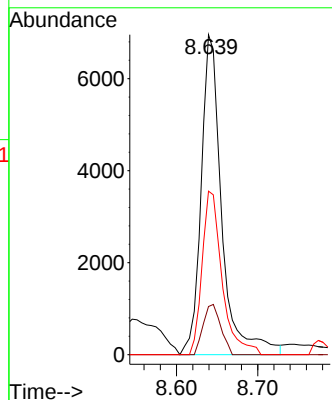
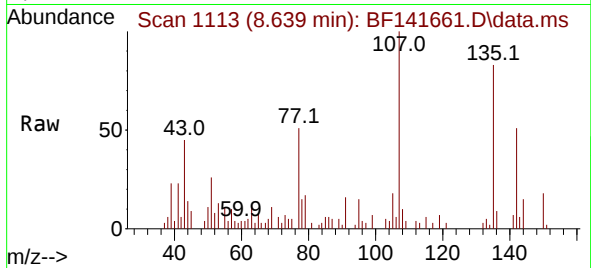




#36
4-Chloro-3-methylphenol
Concen: 2.361 ng
RT: 8.639 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

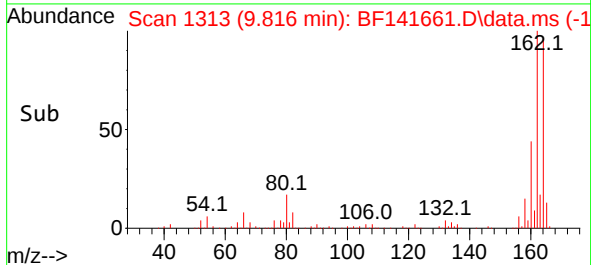
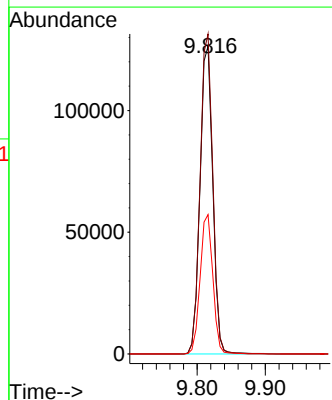
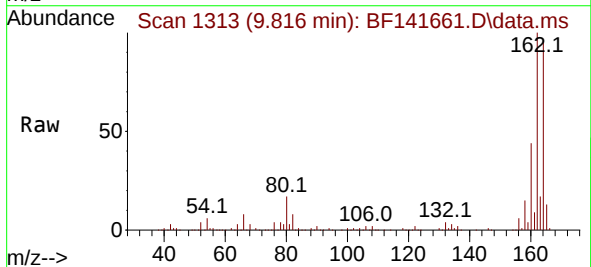
Instrument :
BNA_F
ClientSampleId :
VB27161

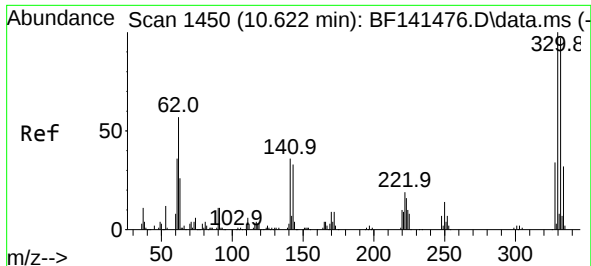
Tgt Ion:107 Resp: 12296
Ion Ratio Lower Upper
107 100
144 15.1 19.7 29.5#
142 51.1 60.8 91.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

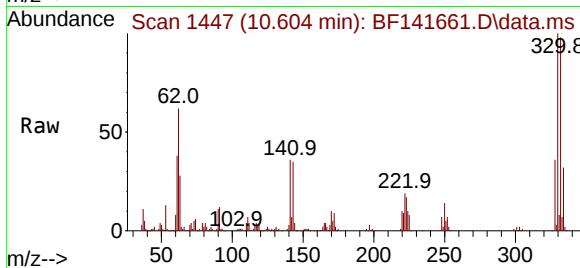
Tgt Ion:164 Resp: 164284
Ion Ratio Lower Upper
164 100
162 104.0 81.3 121.9
160 45.3 35.9 53.9



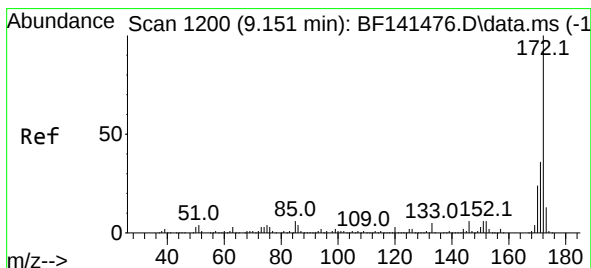
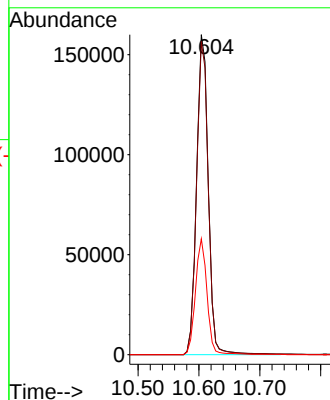
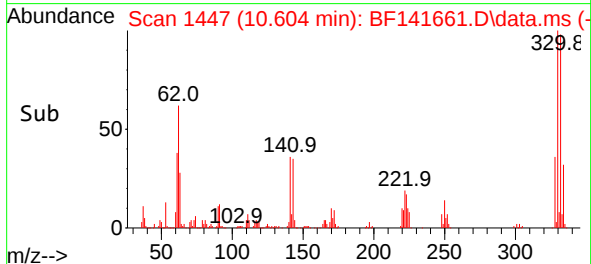


#42
2,4,6-Tribromophenol
Concen: 129.677 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

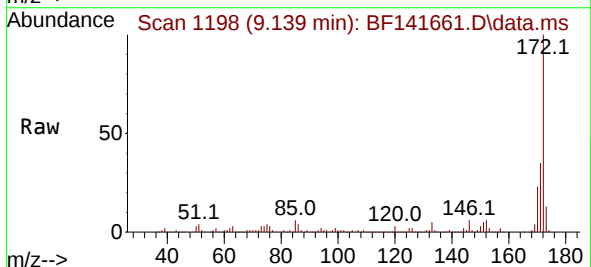
Instrument :
BNA_F
ClientSampleId :
VB27161



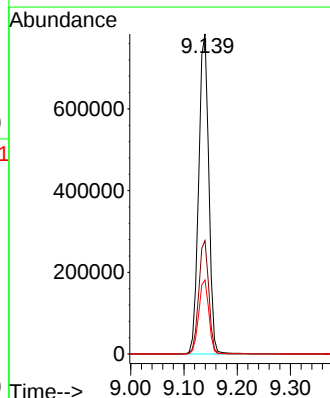
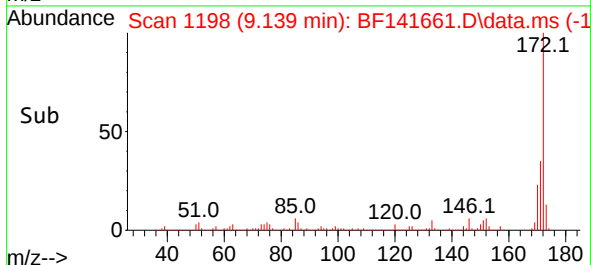
Tgt Ion:330 Resp: 214007
Ion Ratio Lower Upper
330 100
332 98.3 78.5 117.7
141 35.9 31.0 46.4

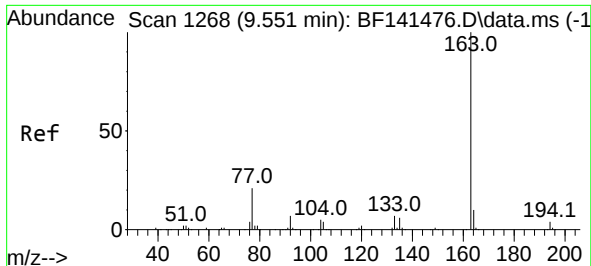


#45
2-Fluorobiphenyl
Concen: 96.604 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01



Tgt Ion:172 Resp: 1030126
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.1 18.9 28.3

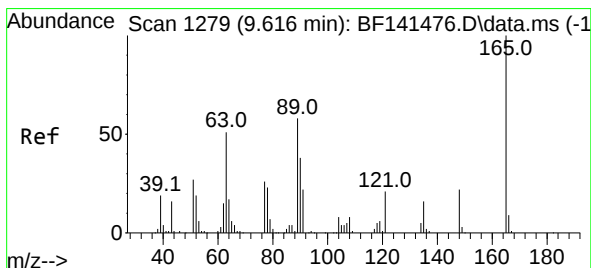
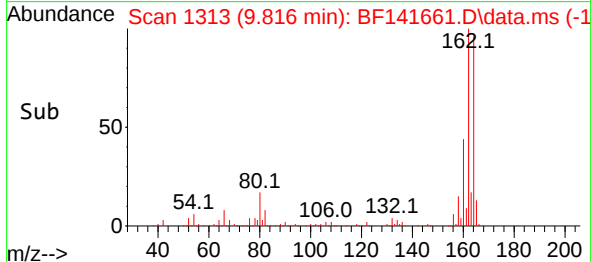
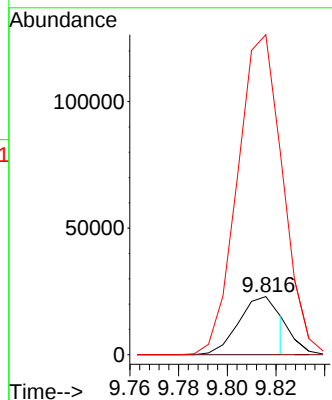
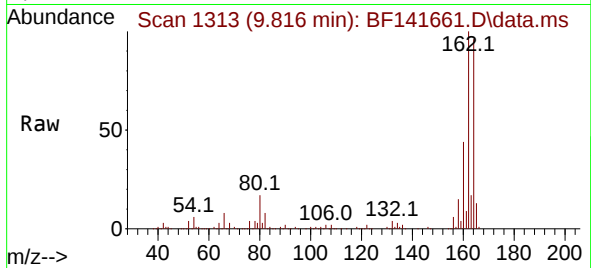




#50
Dimethylphthalate
Concen: 2.397 ng
RT: 9.816 min Scan# 1313
Delta R.T. 0.253 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

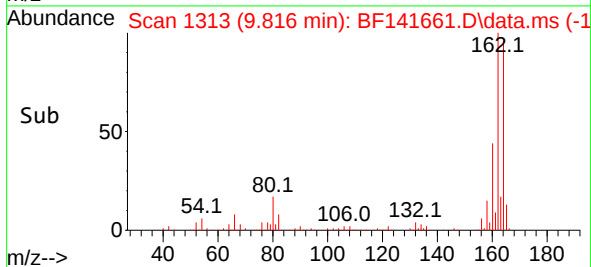
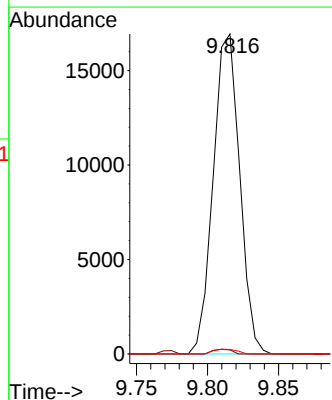
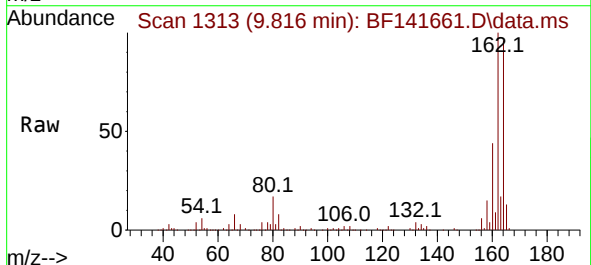
Instrument :
BNA_F
ClientSampleId :
VB27161

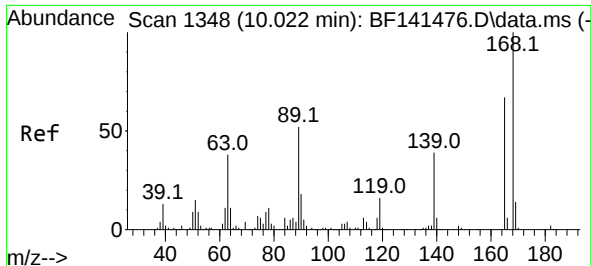
Tgt Ion:163 Resp: 26735
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 551.3 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 9.005 ng
RT: 9.816 min Scan# 1313
Delta R.T. 0.194 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

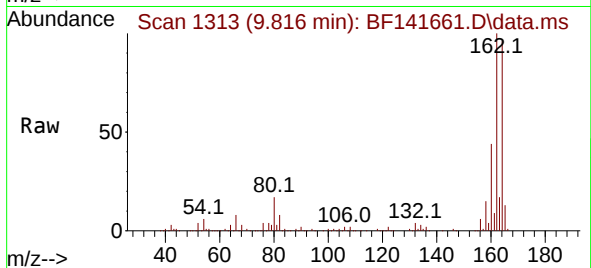
Tgt Ion:165 Resp: 21955
Ion Ratio Lower Upper
165 100
63 1.3 49.4 74.0#
89 1.4 46.5 69.7#



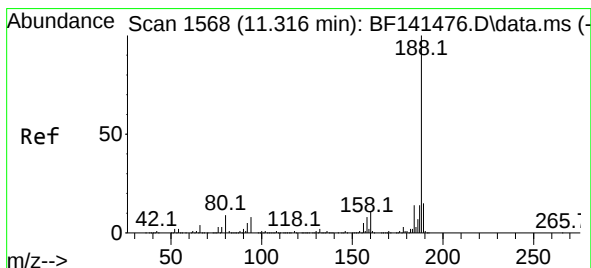
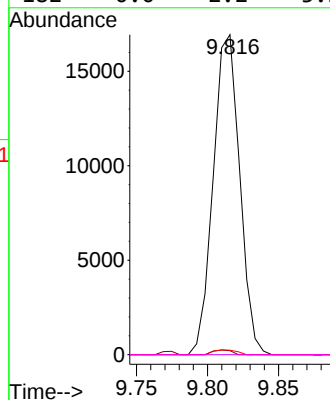
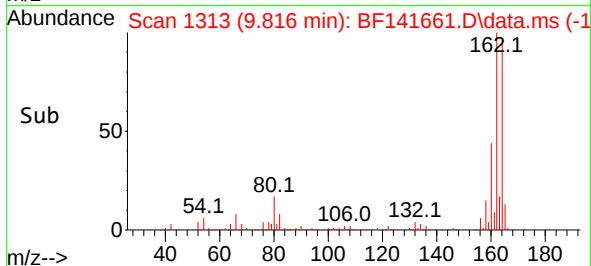


#57
2,4-Dinitrotoluene
Concen: 6.764 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

Instrument :
BNA_F
ClientSampleId :
VB27161

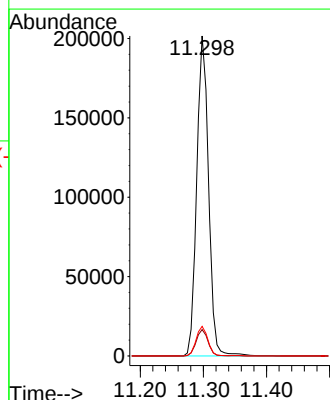
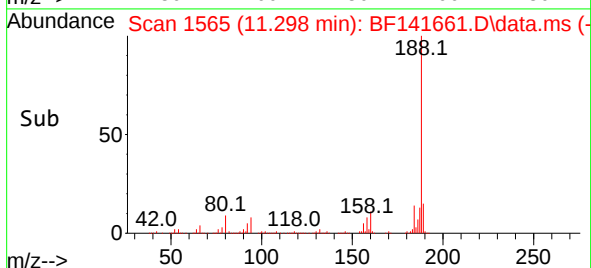
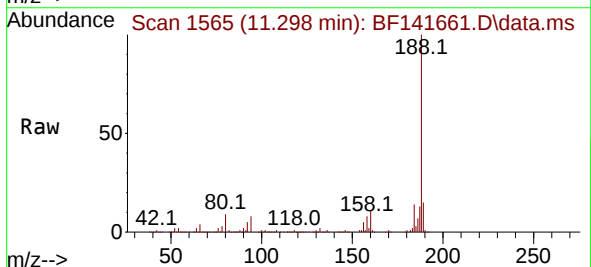


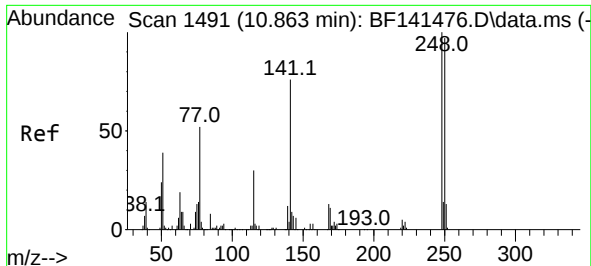
Tgt Ion:165 Resp: 21955
Ion Ratio Lower Upper
165 100
63 1.3 46.4 69.6#
89 1.4 61.8 92.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.017 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

Tgt Ion:188 Resp: 261538
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 9.2 7.3 10.9

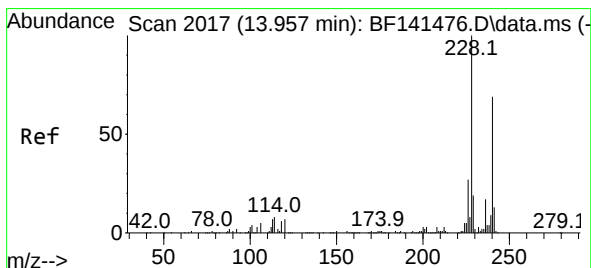
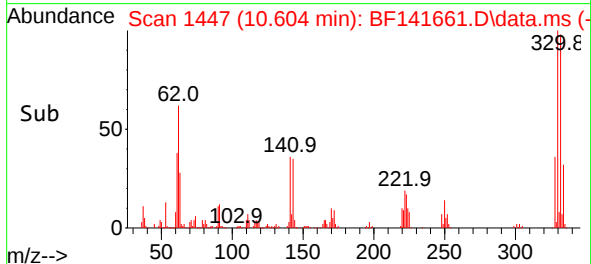
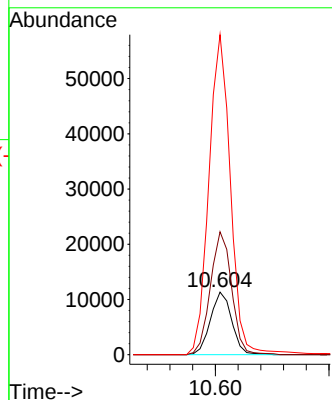
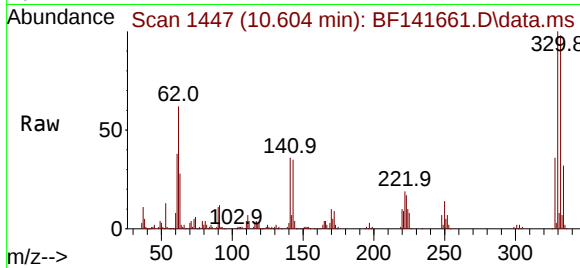




#67
4-Bromophenyl-phenylether
Concen: 5.080 ng
RT: 10.604 min Scan# 1491
Delta R.T. -0.259 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

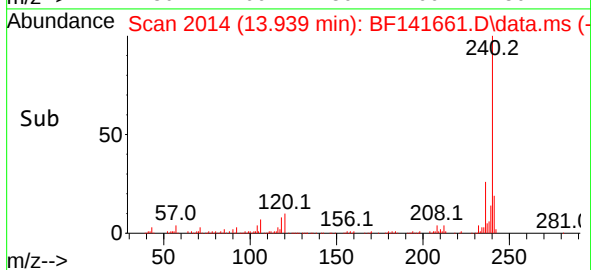
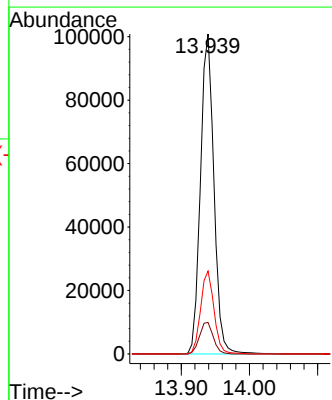
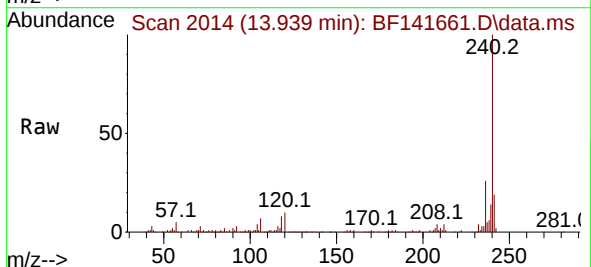
Instrument :
BNA_F
ClientSampleId :
VB27161

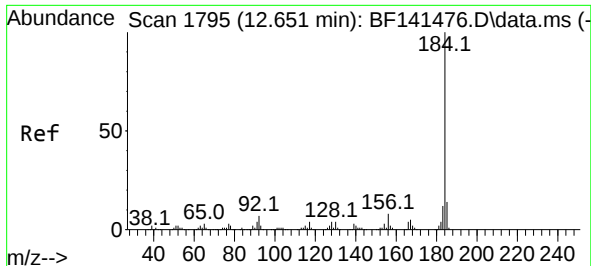
Tgt Ion:248 Resp: 14848
Ion Ratio Lower Upper
248 100
250 196.5 77.8 116.6#
141 511.4 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

Tgt Ion:240 Resp: 138074
Ion Ratio Lower Upper
240 100
120 9.8 8.0 12.0
236 25.9 19.8 29.8

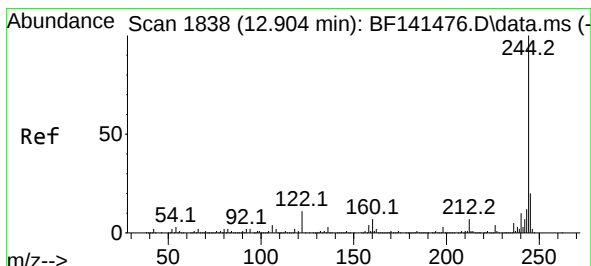
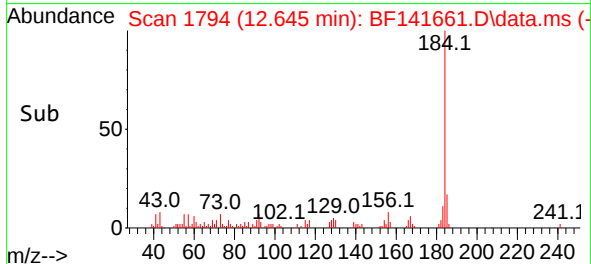
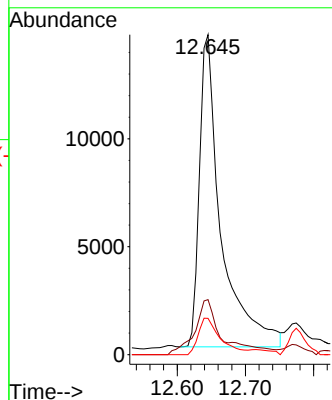
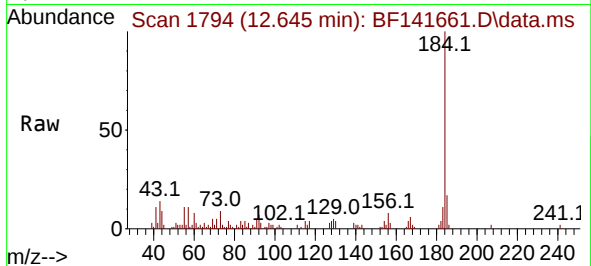




#77
Benzidine
Concen: 10.471 ng
RT: 12.645 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

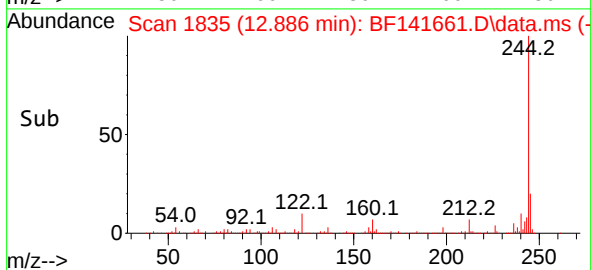
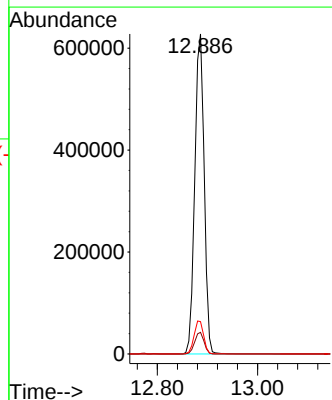
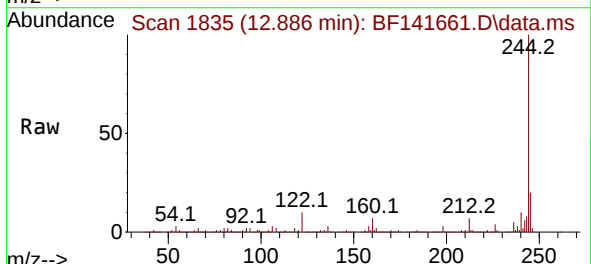
Instrument :
BNA_F
ClientSampleId :
VB27161

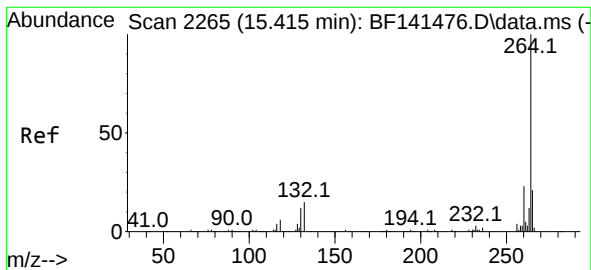
Tgt Ion:184 Resp: 31887
Ion Ratio Lower Upper
184 100
185 17.2 11.3 16.9#
183 11.4 9.3 13.9



#79
Terphenyl-d14
Concen: 99.685 ng
RT: 12.886 min Scan# 1835
Delta R.T. -0.017 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

Tgt Ion:244 Resp: 815315
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 10.1 8.4 12.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141661.D

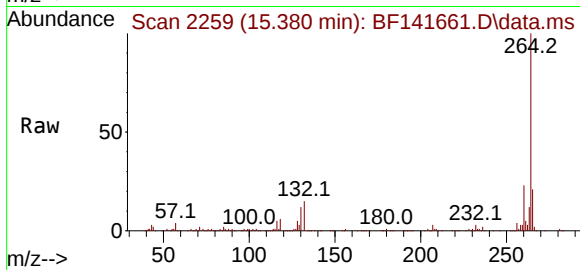
Acq: 18 Feb 2025 15:01

Instrument :

BNA_F

ClientSampleId :

VB27161



Tgt Ion:264 Resp: 172928

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 21.2 17.0 25.4

