

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021825\
 Data File : BF141665.D
 Acq On : 18 Feb 2025 17:00
 Operator : RC/JU
 Sample : Q1373-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VDR25992

Quant Time: Feb 18 17:33:28 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)

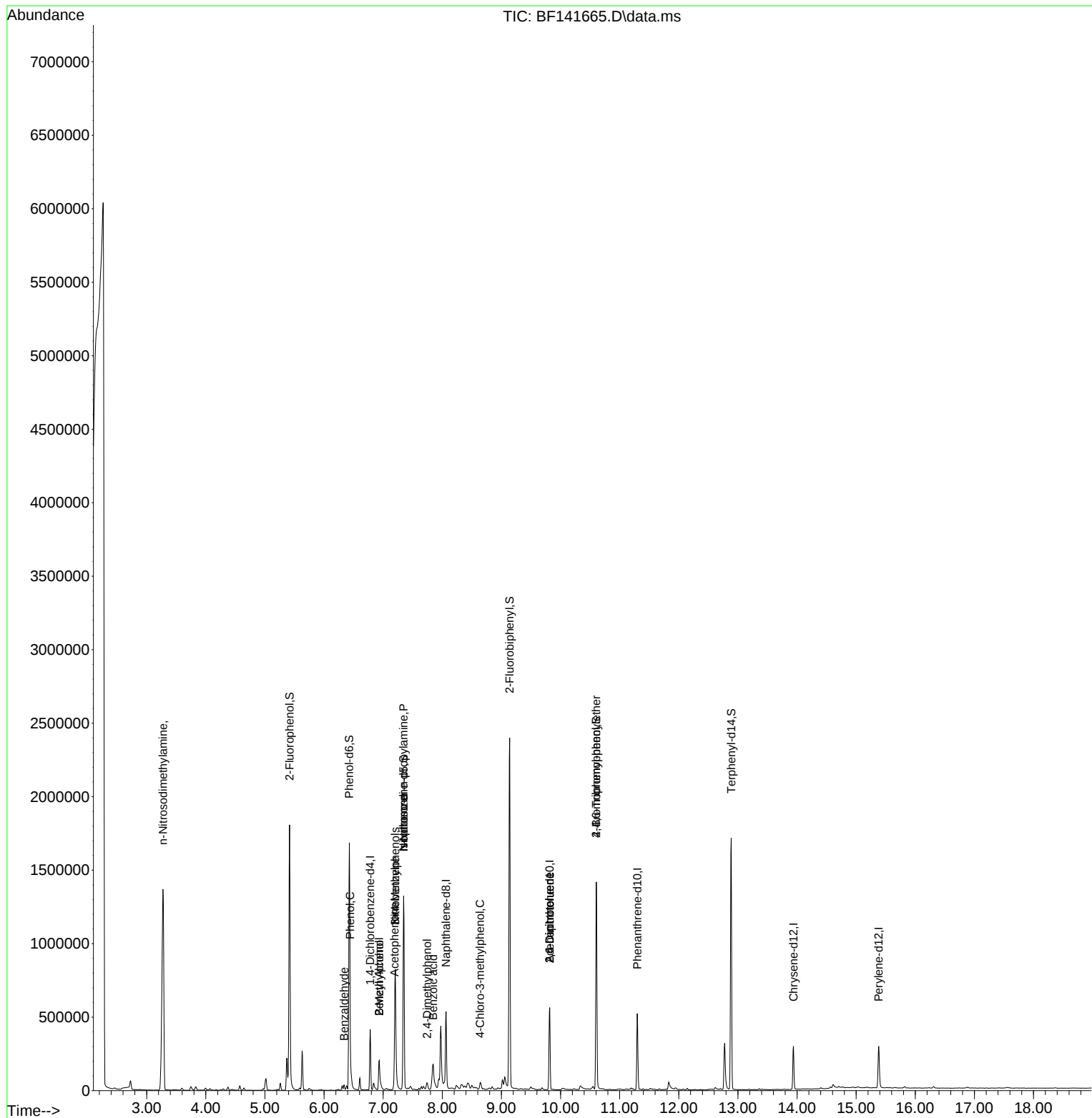
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	84145	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	327262	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	170667	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	265244	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	150925	20.000	ng	-0.02
86) Perylene-d12	15.380	264	174949	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	698882	130.212	ng	0.00
7) Phenol-d6	6.428	99	800003	117.929	ng	-0.01
23) Nitrobenzene-d5	7.345	82	593414	94.577	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	233281	136.069	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	1064251	96.072	ng	-0.01
79) Terphenyl-d14	12.886	244	854251	95.552	ng	-0.02
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.275	42	81324	23.892	ng	# 3
9) Benzaldehyde	6.340	77	8867	2.460	ng	# 68
10) Phenol	6.440	94	21387	3.029	ng	# 68
15) Benzyl Alcohol	6.934	79	77491	14.896	ng	# 96
17) 2-Methylphenol	6.934	107	40550	8.935	ng	# 21
19) n-Nitroso-di-n-propyla...	7.345	70	80932	19.945	ng	# 73
20) 3+4-Methylphenols	7.204	107	287561	49.857	ng	# 53
22) Acetophenone	7.193	105	37482	4.604	ng	# 55
24) Nitrobenzene	7.204	77	127693	20.871	ng	# 45
25) Isophorone	7.345	82	583616	58.336	ng	# 66
27) 2,4-Dimethylphenol	7.745	122	13184	3.708	ng	# 88
32) Benzoic acid	7.845	122	45374	12.284	ng	# 94
36) 4-Chloro-3-methylphenol	8.639	107	10807	2.031	ng	# 67
51) 2,6-Dinitrotoluene	9.816	165	20769	8.200	ng	# 23
57) 2,4-Dinitrotoluene	9.816	165	20769	6.160	ng	# 19
67) 4-Bromophenyl-phenylether	10.604	248	15490	5.225	ng	# 1

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021825\
Data File : BF141665.D
Acq On : 18 Feb 2025 17:00
Operator : RC/JU
Sample : Q1373-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VDR25992

Quant Time: Feb 18 17:33:28 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

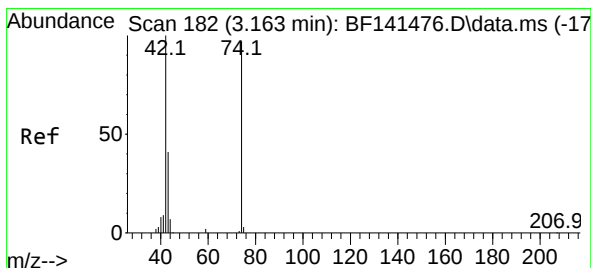
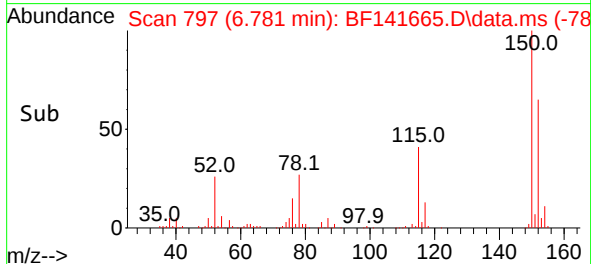
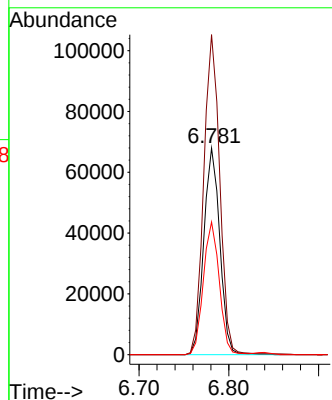
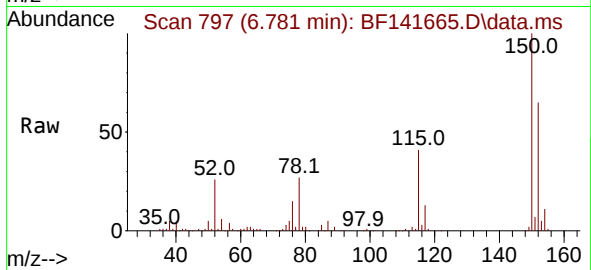




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141665.D
 Acq: 18 Feb 2025 17:00

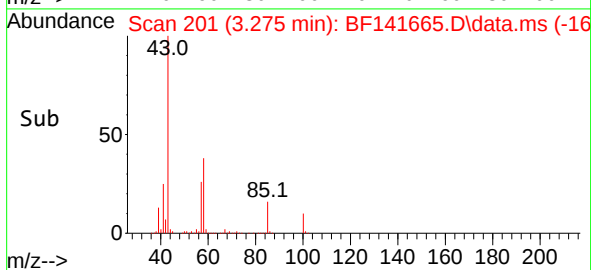
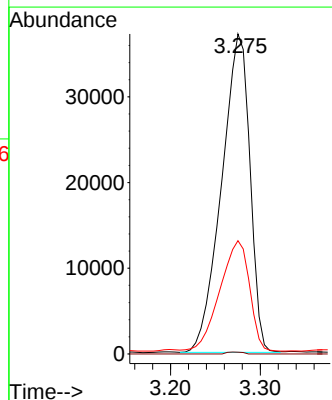
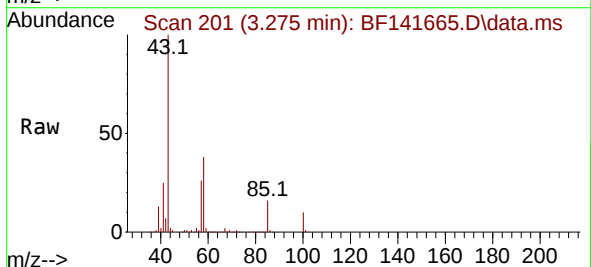
Instrument :
 BNA_F
 ClientSampleId :
 VDR25992

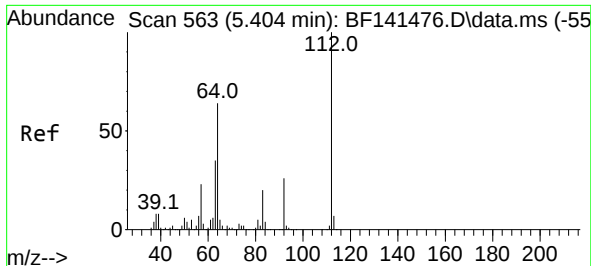
Tgt Ion:152 Resp: 84145
 Ion Ratio Lower Upper
 152 100
 150 154.9 125.0 187.4
 115 64.2 53.6 80.4



#4
 n-Nitrosodimethylamine
 Concen: 23.892 ng
 RT: 3.275 min Scan# 201
 Delta R.T. 0.088 min
 Lab File: BF141665.D
 Acq: 18 Feb 2025 17:00

Tgt Ion: 42 Resp: 81324
 Ion Ratio Lower Upper
 42 100
 74 0.5 78.0 117.0#
 44 35.4 5.4 8.2#

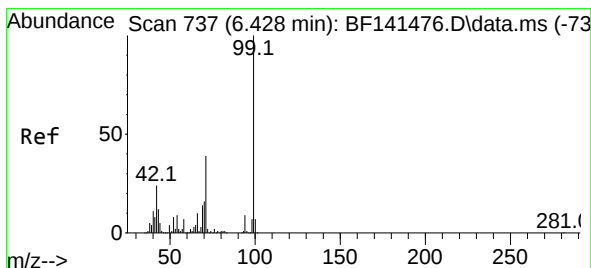
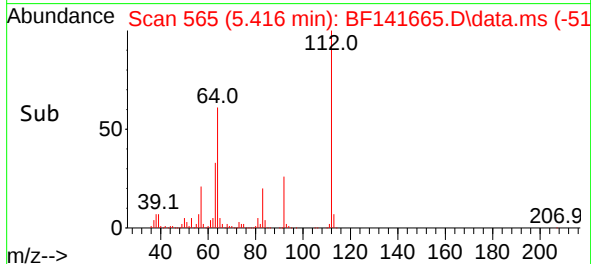
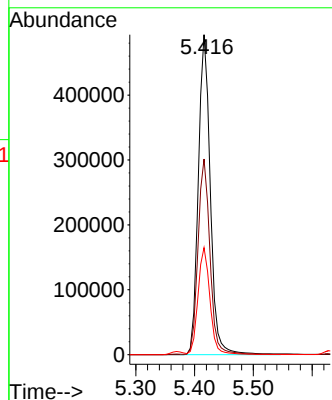
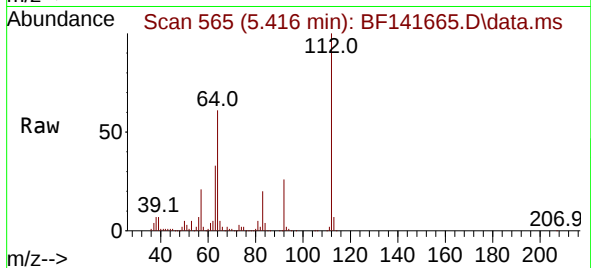




#5
2-Fluorophenol
Concen: 130.212 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

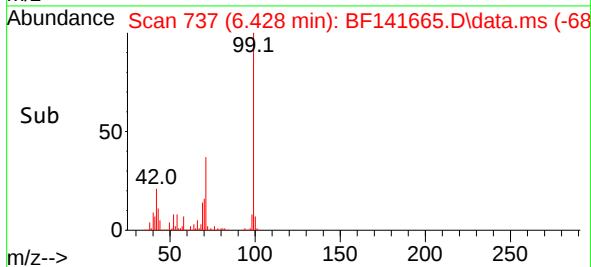
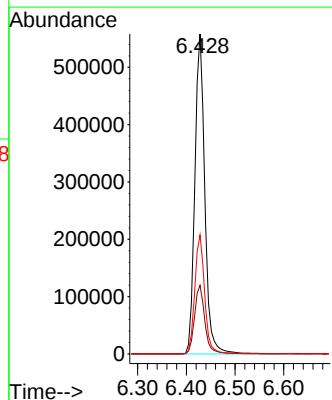
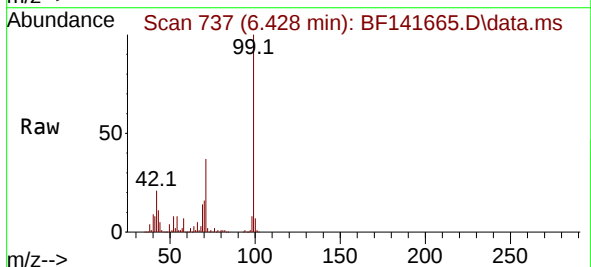
Instrument :
BNA_F
ClientSampleId :
VDR25992

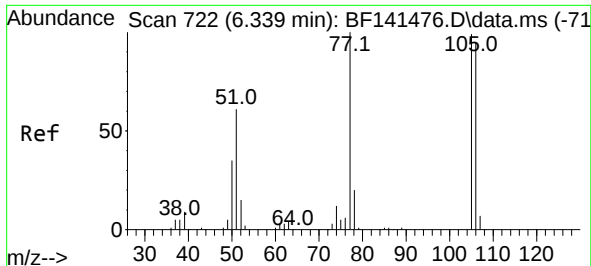
Tgt Ion:112 Resp: 698882
Ion Ratio Lower Upper
112 100
64 61.2 51.1 76.7
63 33.4 28.4 42.6



#7
Phenol-d6
Concen: 117.929 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Tgt Ion: 99 Resp: 800003
Ion Ratio Lower Upper
99 100
42 21.5 19.1 28.7
71 37.2 31.1 46.7





#9

Benzaldehyde

Concen: 2.460 ng

RT: 6.340 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141665.D

Acq: 18 Feb 2025 17:00

Instrument :

BNA_F

ClientSampleId :

VDR25992

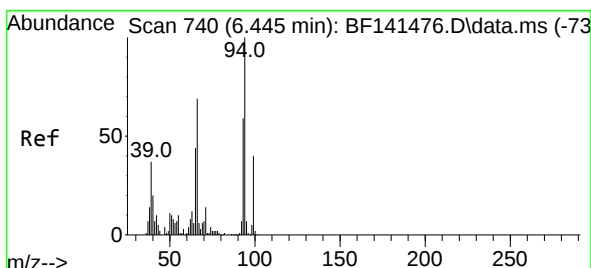
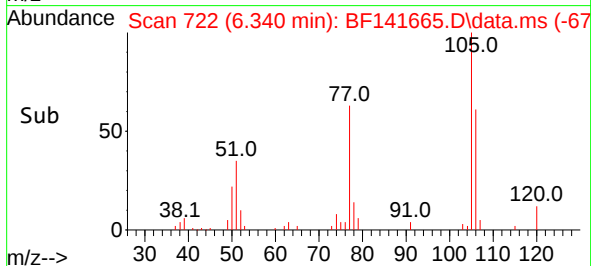
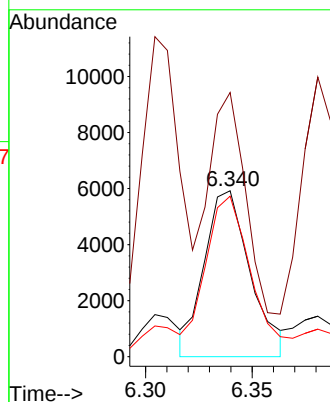
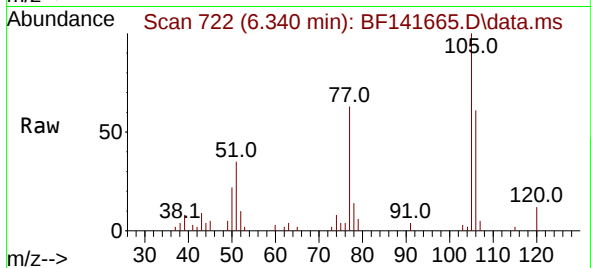
Tgt Ion: 77 Resp: 8867

Ion Ratio Lower Upper

77 100

105 159.3 79.4 119.4#

106 96.8 75.1 115.1



#10

Phenol

Concen: 3.029 ng

RT: 6.440 min Scan# 739

Delta R.T. -0.017 min

Lab File: BF141665.D

Acq: 18 Feb 2025 17:00

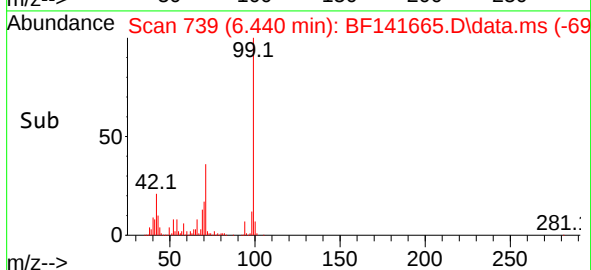
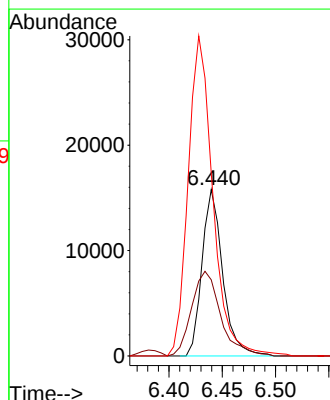
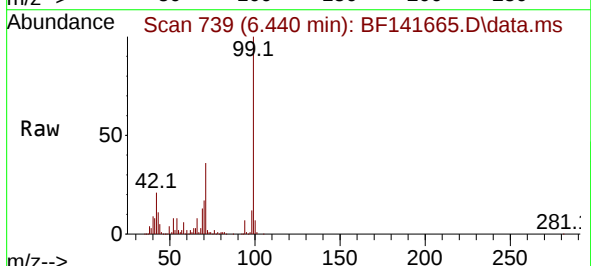
Tgt Ion: 94 Resp: 21387

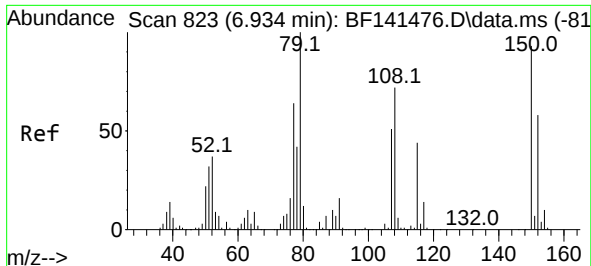
Ion Ratio Lower Upper

94 100

65 45.8 23.7 63.7

66 109.9 49.3 89.3#

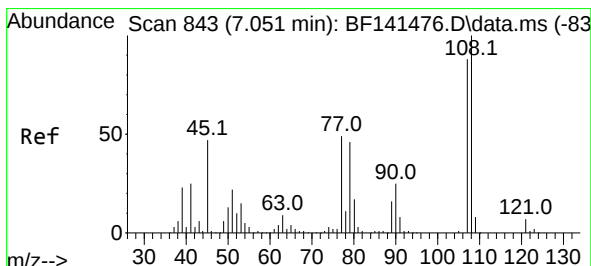
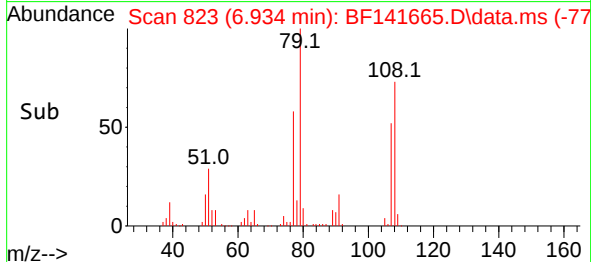
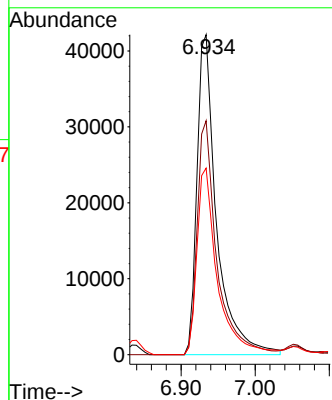
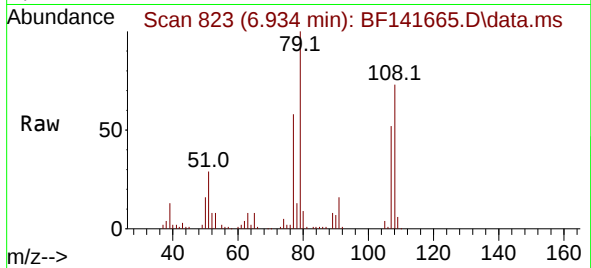




#15
Benzyl Alcohol
Concen: 14.896 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

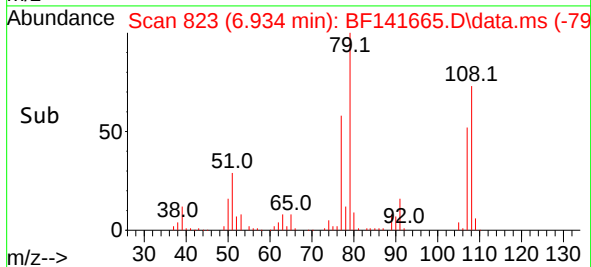
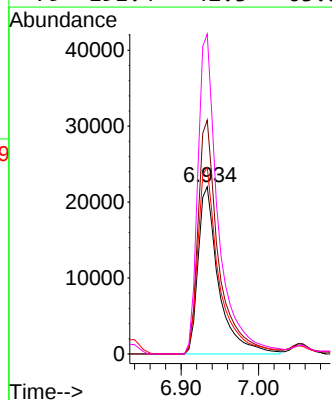
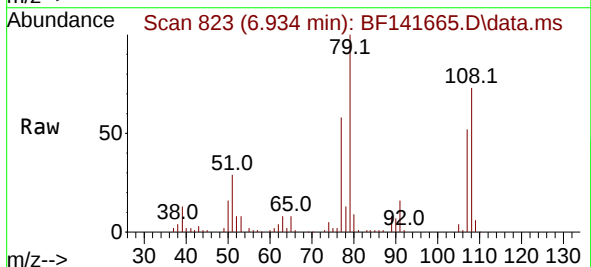
Instrument :
BNA_F
ClientSampleId :
VDR25992

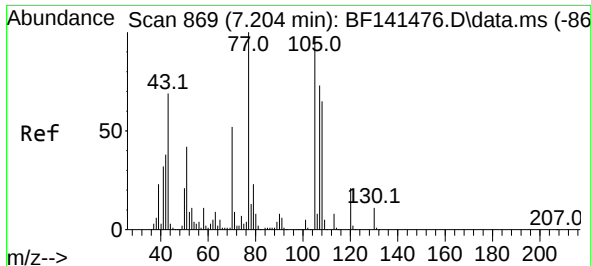
Tgt Ion: 79 Resp: 77491
Ion Ratio Lower Upper
79 100
108 73.1 57.4 86.2
77 58.3 50.9 76.3



#17
2-Methylphenol
Concen: 8.935 ng
RT: 6.934 min Scan# 823
Delta R.T. -0.123 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Tgt Ion: 107 Resp: 40550
Ion Ratio Lower Upper
107 100
108 139.9 90.6 136.0#
77 111.6 44.4 66.6#
79 191.4 42.3 63.5#

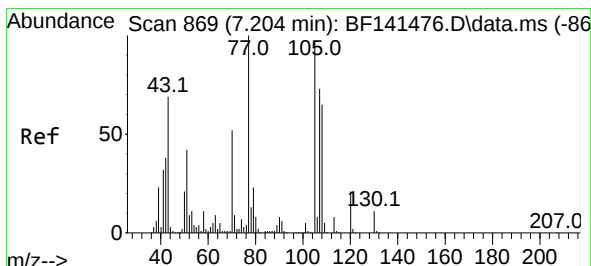
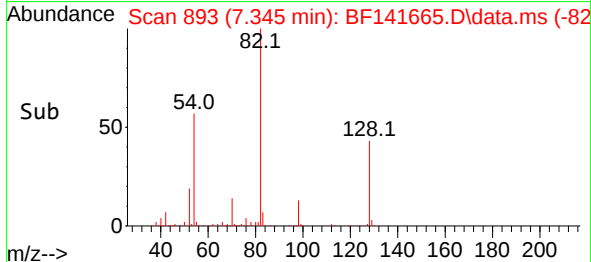
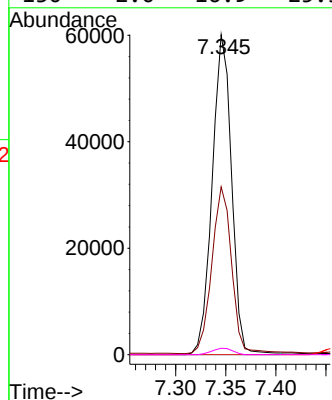
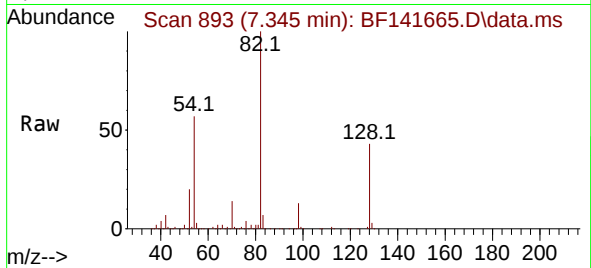




#19
n-Nitroso-di-n-propylamine
Concen: 19.945 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

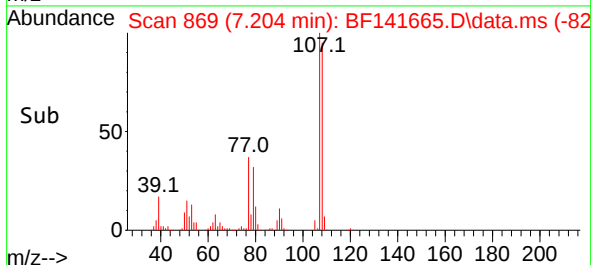
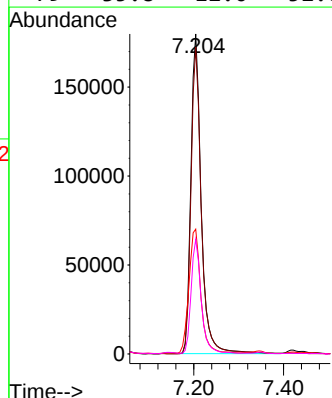
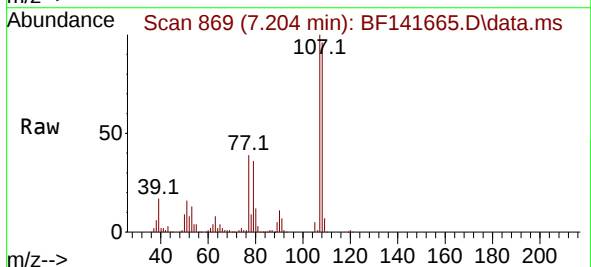
Instrument :
BNA_F
ClientSampleId :
VDR25992

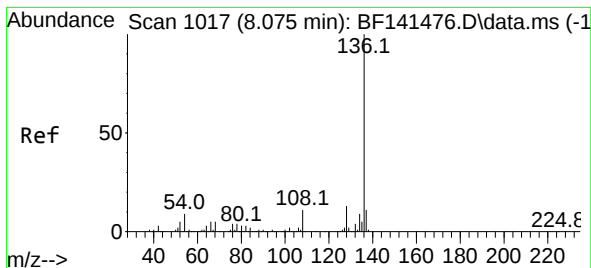
Tgt Ion: 70 Resp: 80932
Ion Ratio Lower Upper
70 100
42 52.5 57.4 86.2#
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#



#20
3+4-Methylphenols
Concen: 49.857 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Tgt Ion:107 Resp: 287561
Ion Ratio Lower Upper
107 100
108 95.9 68.5 108.5
77 39.0 116.5 156.5#
79 35.8 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: BF141665.D

Acq: 18 Feb 2025 17:00

Instrument :

BNA_F

ClientSampleId :

VDR25992

Tgt Ion:136 Resp: 327262

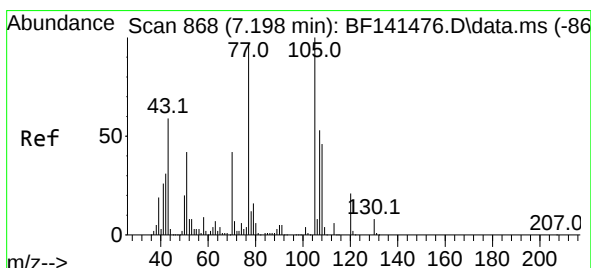
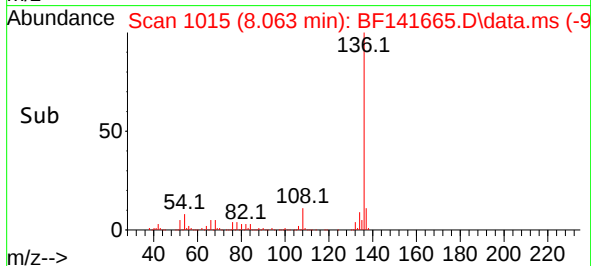
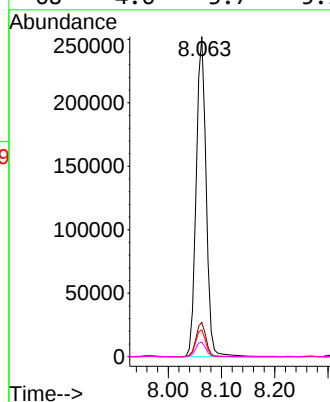
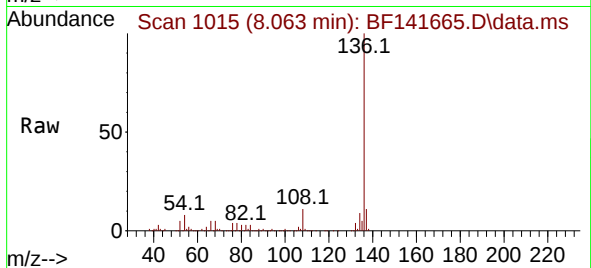
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 8.3 7.2 10.8

68 4.6 3.7 5.5



#22

Acetophenone

Concen: 4.604 ng

RT: 7.193 min Scan# 867

Delta R.T. -0.017 min

Lab File: BF141665.D

Acq: 18 Feb 2025 17:00

Tgt Ion:105 Resp: 37482

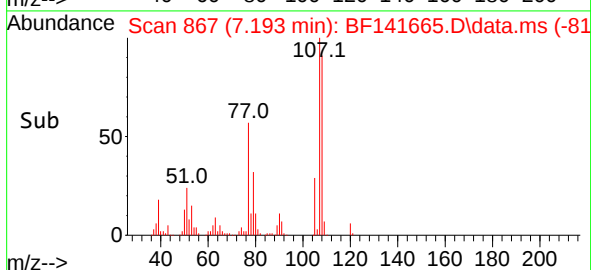
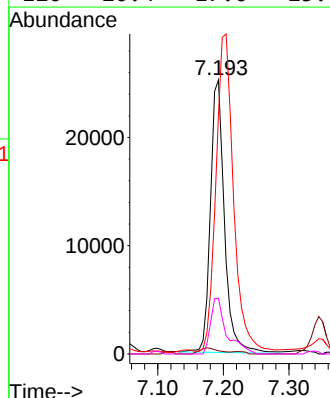
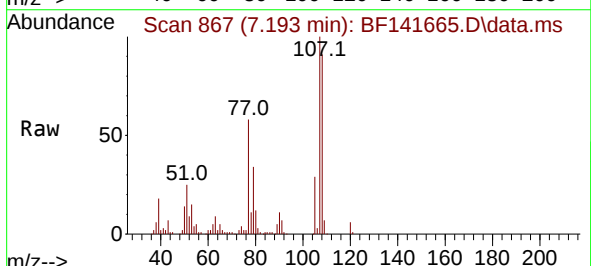
Ion Ratio Lower Upper

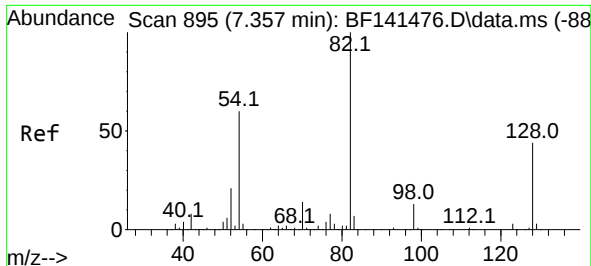
105 100

71 1.2 5.7 8.5#

51 87.0 33.7 50.5#

120 20.4 17.0 25.6





#23

Nitrobenzene-d5

Concen: 94.577 ng

RT: 7.345 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF141665.D

Acq: 18 Feb 2025 17:00

Instrument :

BNA_F

ClientSampleId :

VDR25992

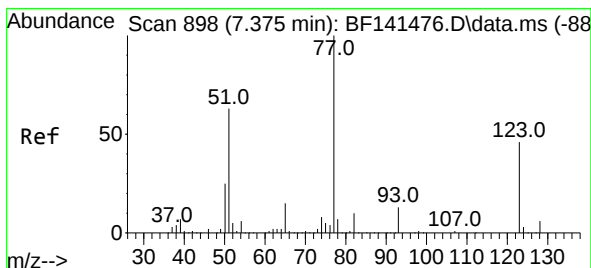
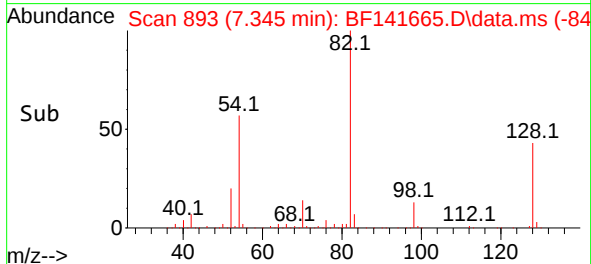
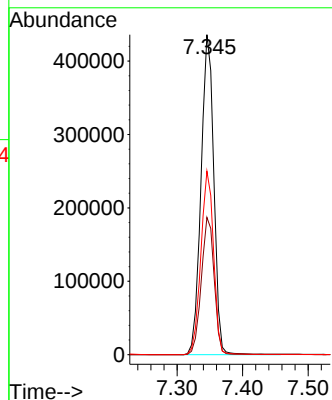
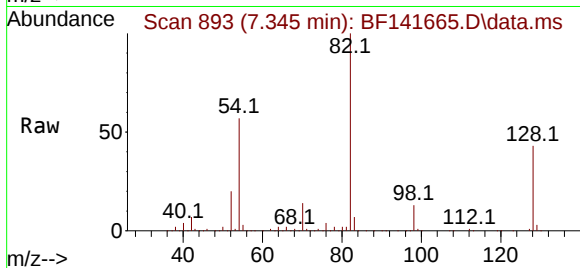
Tgt Ion: 82 Resp: 593414

Ion Ratio Lower Upper

82 100

128 42.9 34.8 52.2

54 57.4 48.2 72.4



#24

Nitrobenzene

Concen: 20.871 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.176 min

Lab File: BF141665.D

Acq: 18 Feb 2025 17:00

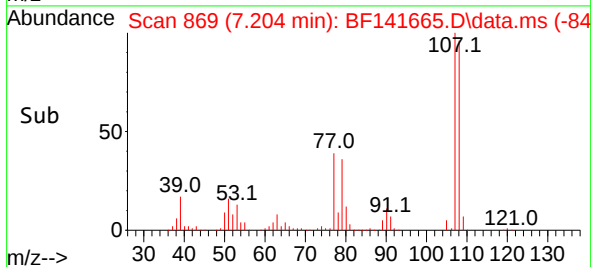
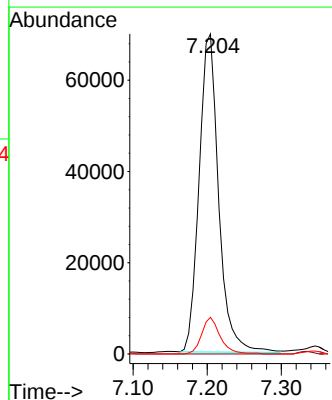
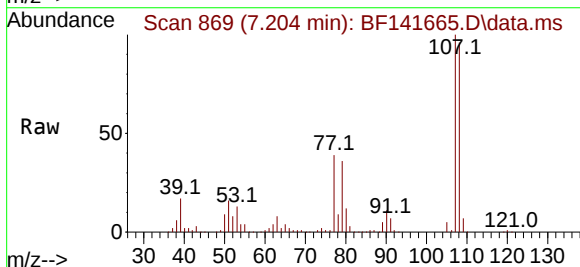
Tgt Ion: 77 Resp: 127693

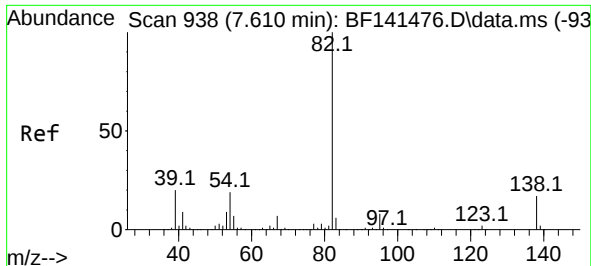
Ion Ratio Lower Upper

77 100

123 0.0 36.9 55.3#

65 11.4 11.9 17.9#

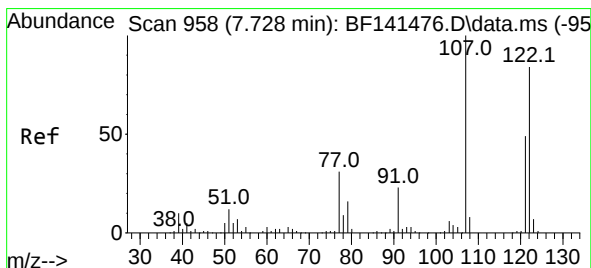
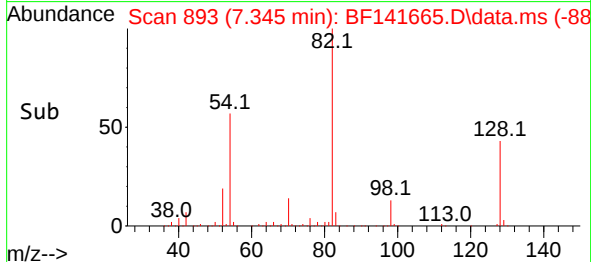
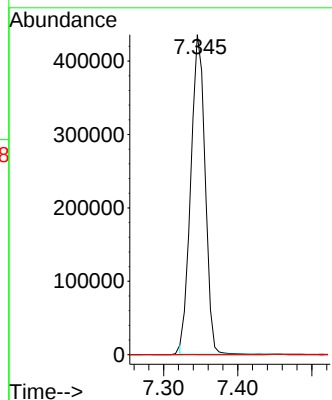
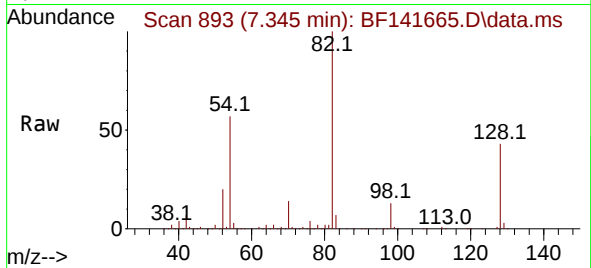




#25
Isophorone
Concen: 58.336 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

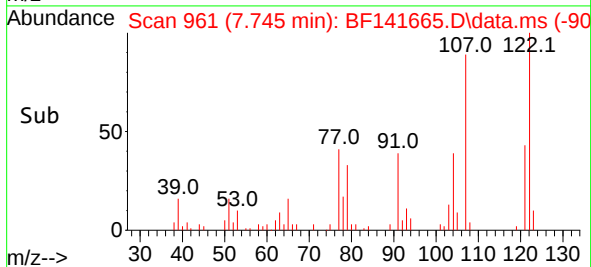
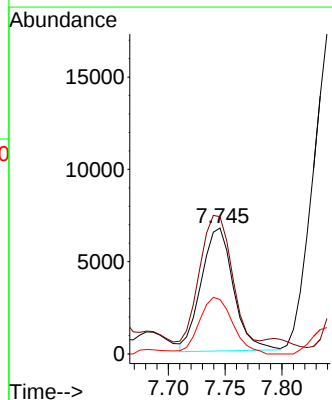
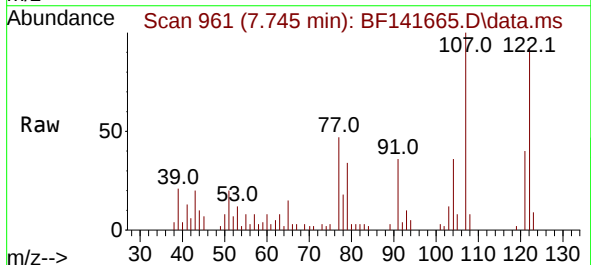
Instrument :
BNA_F
ClientSampleId :
VDR25992

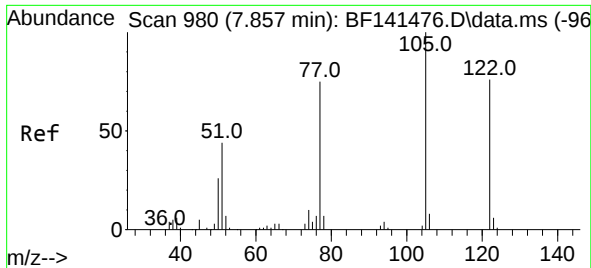
Tgt Ion: 82 Resp: 583616
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#27
2,4-Dimethylphenol
Concen: 3.708 ng
RT: 7.745 min Scan# 961
Delta R.T. 0.012 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Tgt Ion: 122 Resp: 13184
Ion Ratio Lower Upper
122 100
107 109.0 94.3 141.5
121 43.2 46.0 69.0#

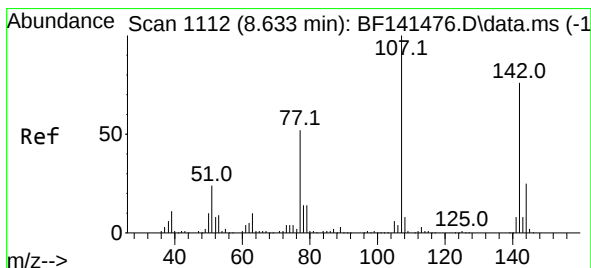
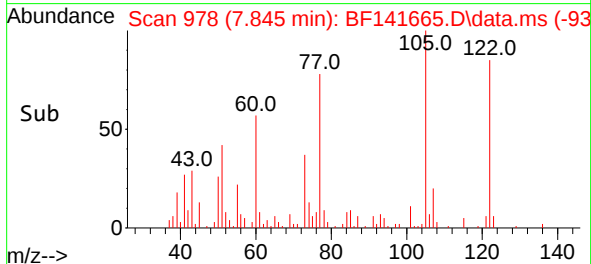
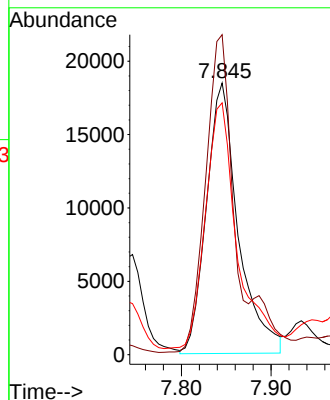
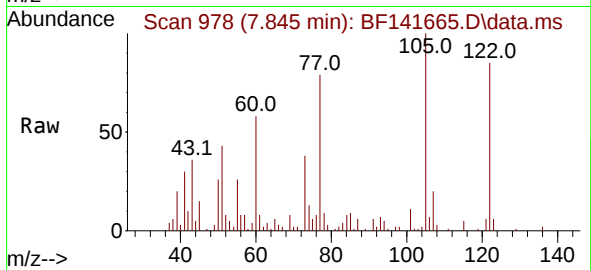




#32
Benzoic acid
Concen: 12.284 ng
RT: 7.845 min Scan# 91
Delta R.T. -0.047 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

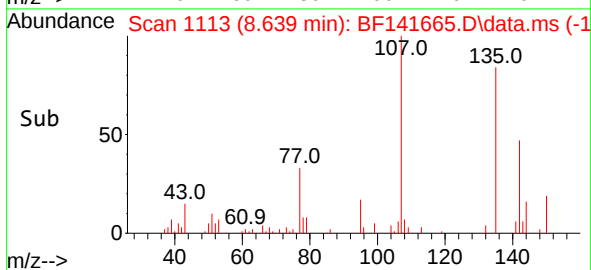
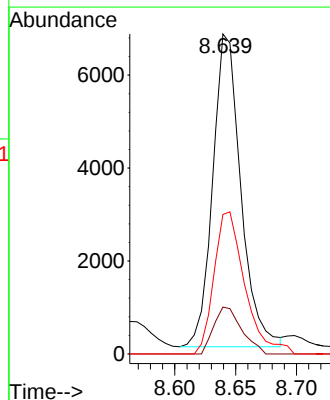
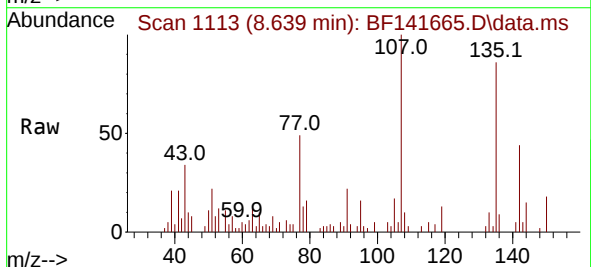
Instrument :
BNA_F
ClientSampleId :
VDR25992

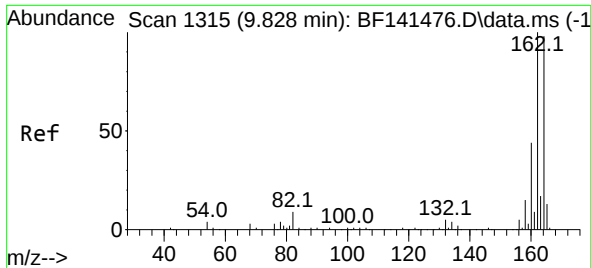
Tgt Ion:122 Resp: 45374
Ion Ratio Lower Upper
122 100
105 117.8 106.5 146.5
77 92.7 76.3 116.3



#36
4-Chloro-3-methylphenol
Concen: 2.031 ng
RT: 8.639 min Scan# 1113
Delta R.T. 0.000 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Tgt Ion:107 Resp: 10807
Ion Ratio Lower Upper
107 100
144 14.6 19.7 29.5#
142 43.6 60.8 91.2#

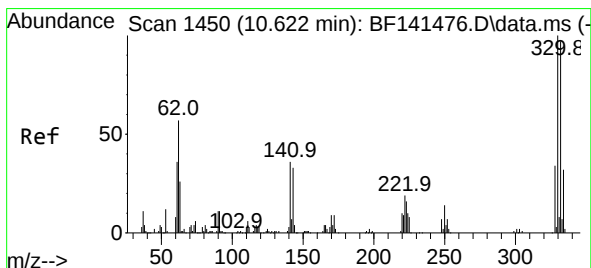
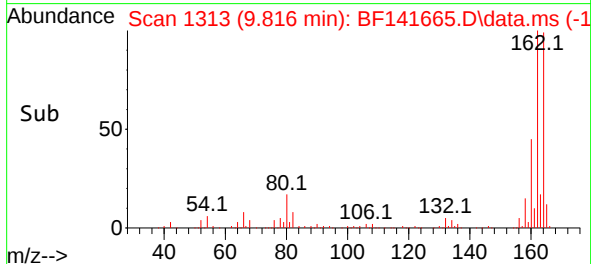
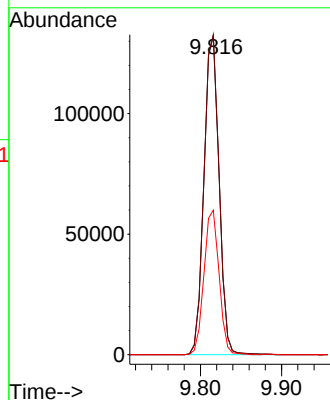
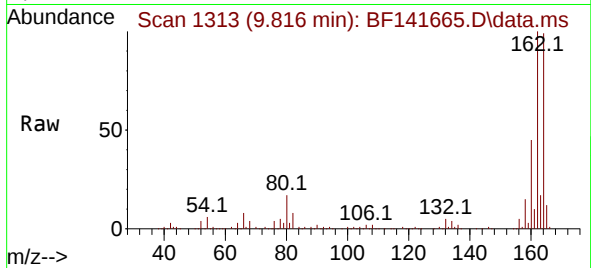




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

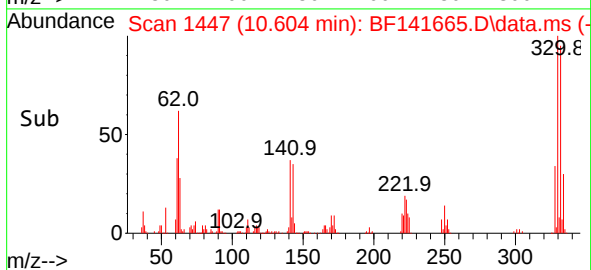
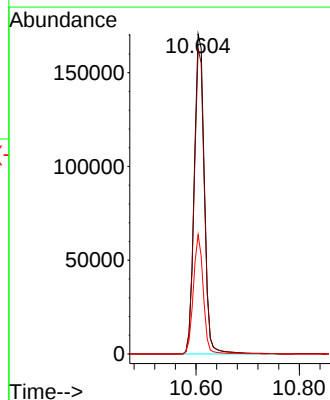
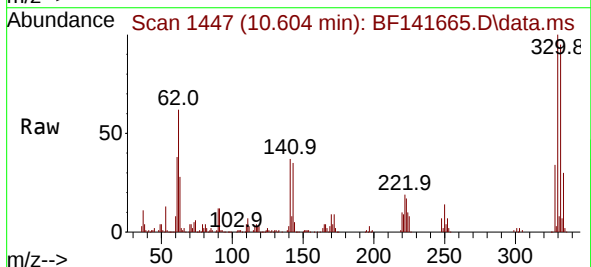
Instrument :
BNA_F
ClientSampleId :
VDR25992

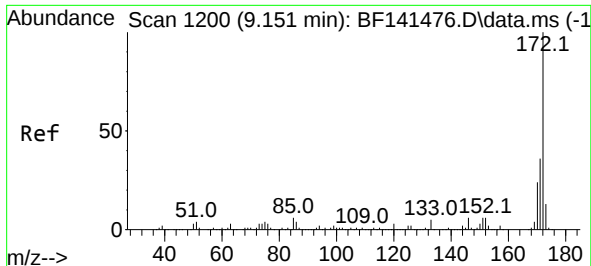
Tgt Ion:164 Resp: 170667
Ion Ratio Lower Upper
164 100
162 100.5 81.3 121.9
160 45.4 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 136.069 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Tgt Ion:330 Resp: 233281
Ion Ratio Lower Upper
330 100
332 95.3 78.5 117.7
141 36.4 31.0 46.4

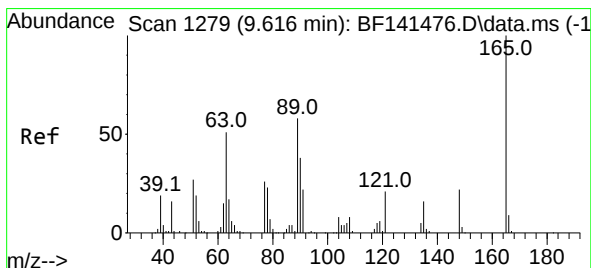
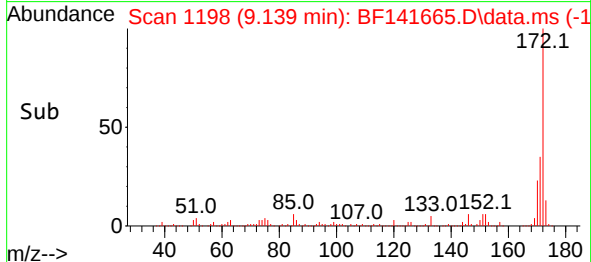
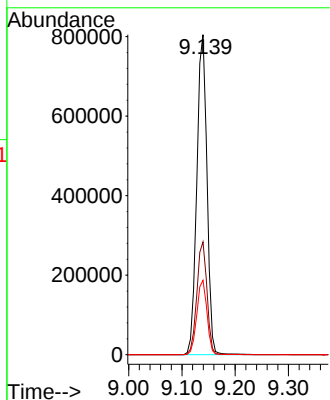
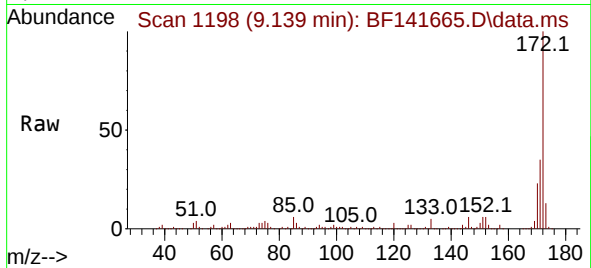




#45
 2-Fluorobiphenyl
 Concen: 96.072 ng
 RT: 9.139 min Scan# 1119
 Delta R.T. -0.012 min
 Lab File: BF141665.D
 Acq: 18 Feb 2025 17:00

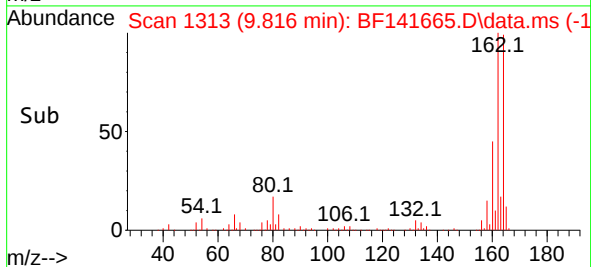
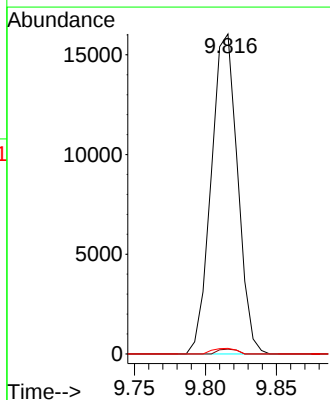
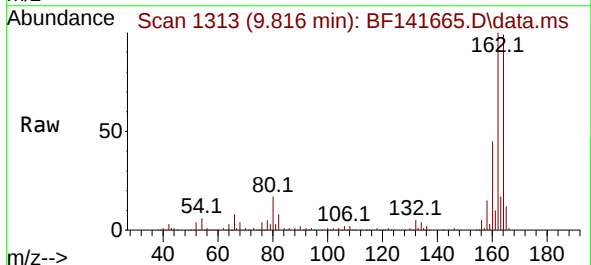
Instrument :
 BNA_F
 ClientSampleId :
 VDR25992

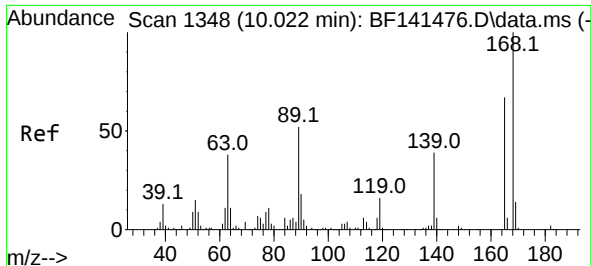
Tgt Ion:172 Resp: 1064251
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.7 43.1
 170 23.3 18.9 28.3



#51
 2,6-Dinitrotoluene
 Concen: 8.200 ng
 RT: 9.816 min Scan# 1313
 Delta R.T. 0.194 min
 Lab File: BF141665.D
 Acq: 18 Feb 2025 17:00

Tgt Ion:165 Resp: 20769
 Ion Ratio Lower Upper
 165 100
 63 1.5 49.4 74.0#
 89 1.8 46.5 69.7#

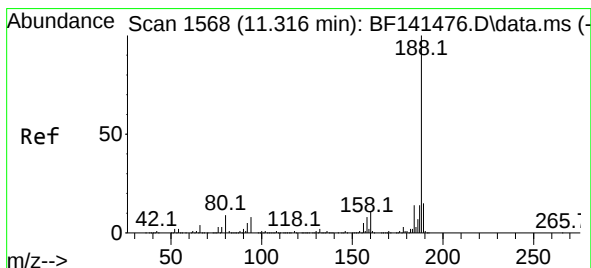
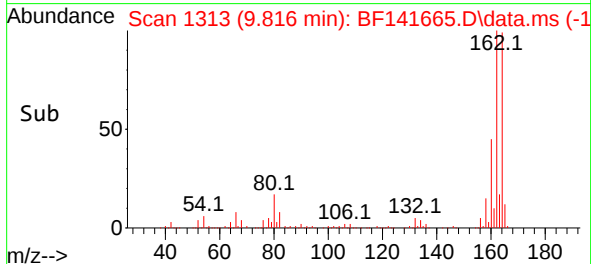
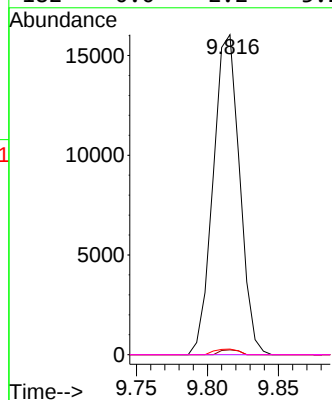
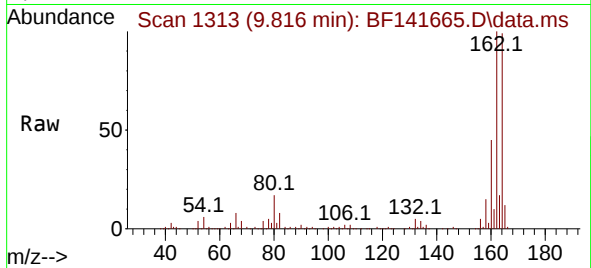




#57
2,4-Dinitrotoluene
Concen: 6.160 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

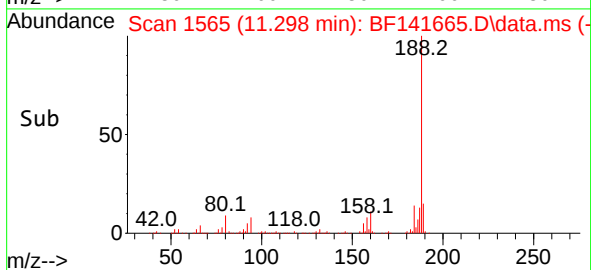
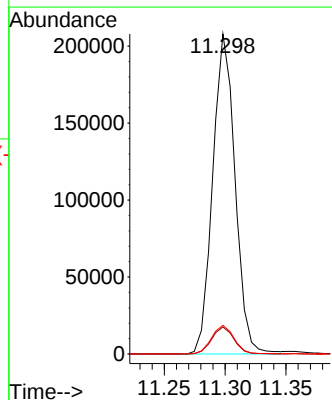
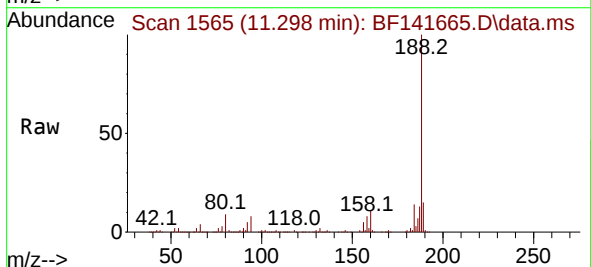
Instrument :
BNA_F
ClientSampleId :
VDR25992

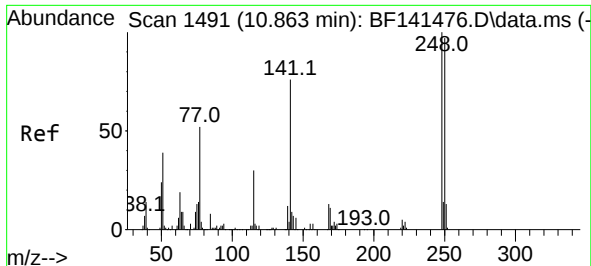
Tgt Ion:165 Resp: 20769
Ion Ratio Lower Upper
165 100
63 1.5 46.4 69.6#
89 1.8 61.8 92.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.017 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Tgt Ion:188 Resp: 265244
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 8.9 7.3 10.9

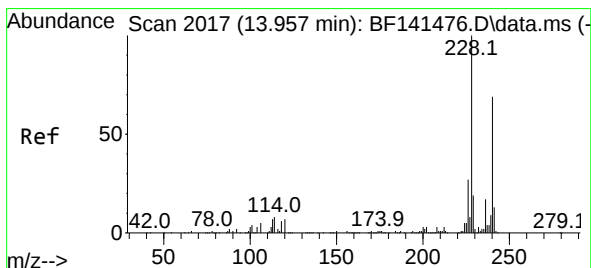
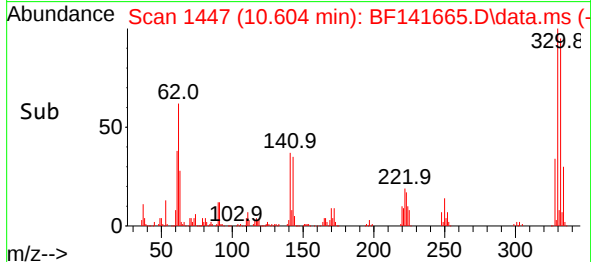
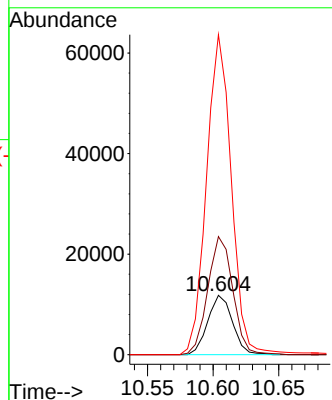
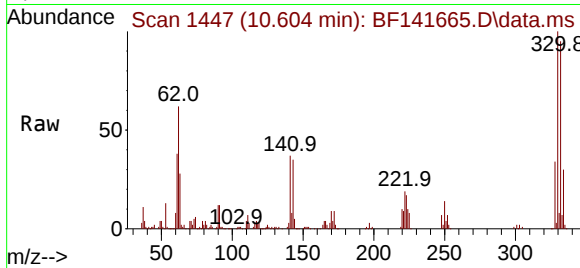




#67
4-Bromophenyl-phenylether
Concen: 5.225 ng
RT: 10.604 min Scan# 1491
Delta R.T. -0.259 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

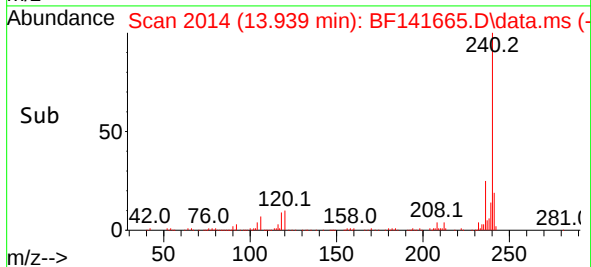
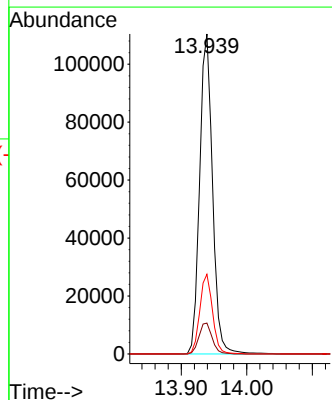
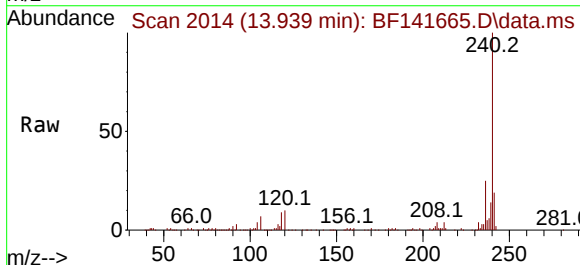
Instrument :
BNA_F
ClientSampleId :
VDR25992

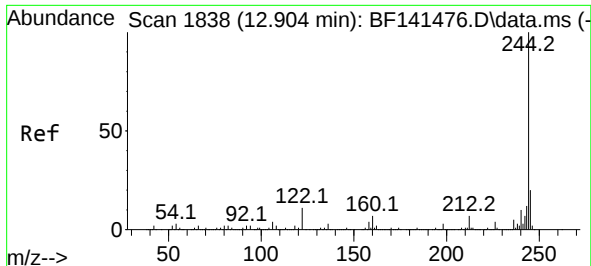
Tgt Ion:248 Resp: 15490
Ion Ratio Lower Upper
248 100
250 198.9 77.8 116.6#
141 539.3 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

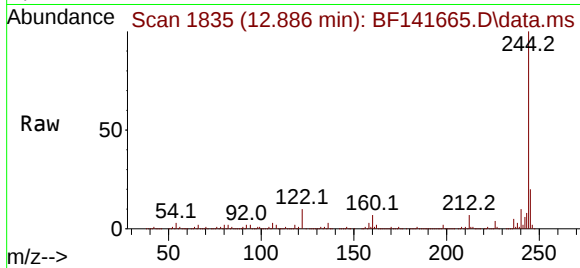
Tgt Ion:240 Resp: 150925
Ion Ratio Lower Upper
240 100
120 9.6 8.0 12.0
236 24.9 19.8 29.8



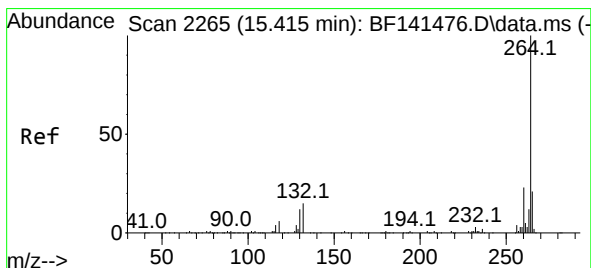
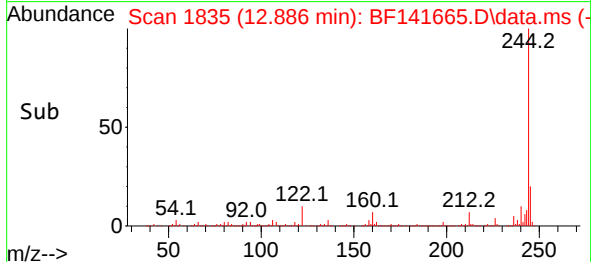
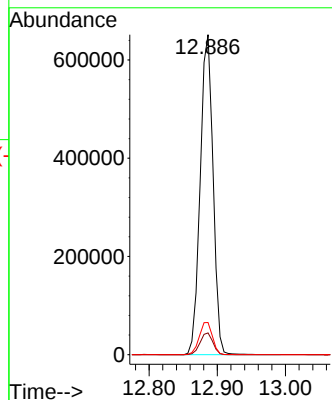


#79
 Terphenyl-d14
 Concen: 95.552 ng
 RT: 12.886 min Scan# 11
 Delta R.T. -0.017 min
 Lab File: BF141665.D
 Acq: 18 Feb 2025 17:00

Instrument :
 BNA_F
 ClientSampleId :
 VDR25992



Tgt Ion:244 Resp: 854251
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.0 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.380 min Scan# 2259
 Delta R.T. -0.035 min
 Lab File: BF141665.D
 Acq: 18 Feb 2025 17:00

Tgt Ion:264 Resp: 174949
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 28.0
 265 21.1 17.0 25.4

