

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
 Data File : BF141745.D
 Acq On : 24 Feb 2025 15:39
 Operator : RC/JU
 Sample : Q1395-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BEL-25-0005

Quant Time: Feb 24 15:58:44 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)

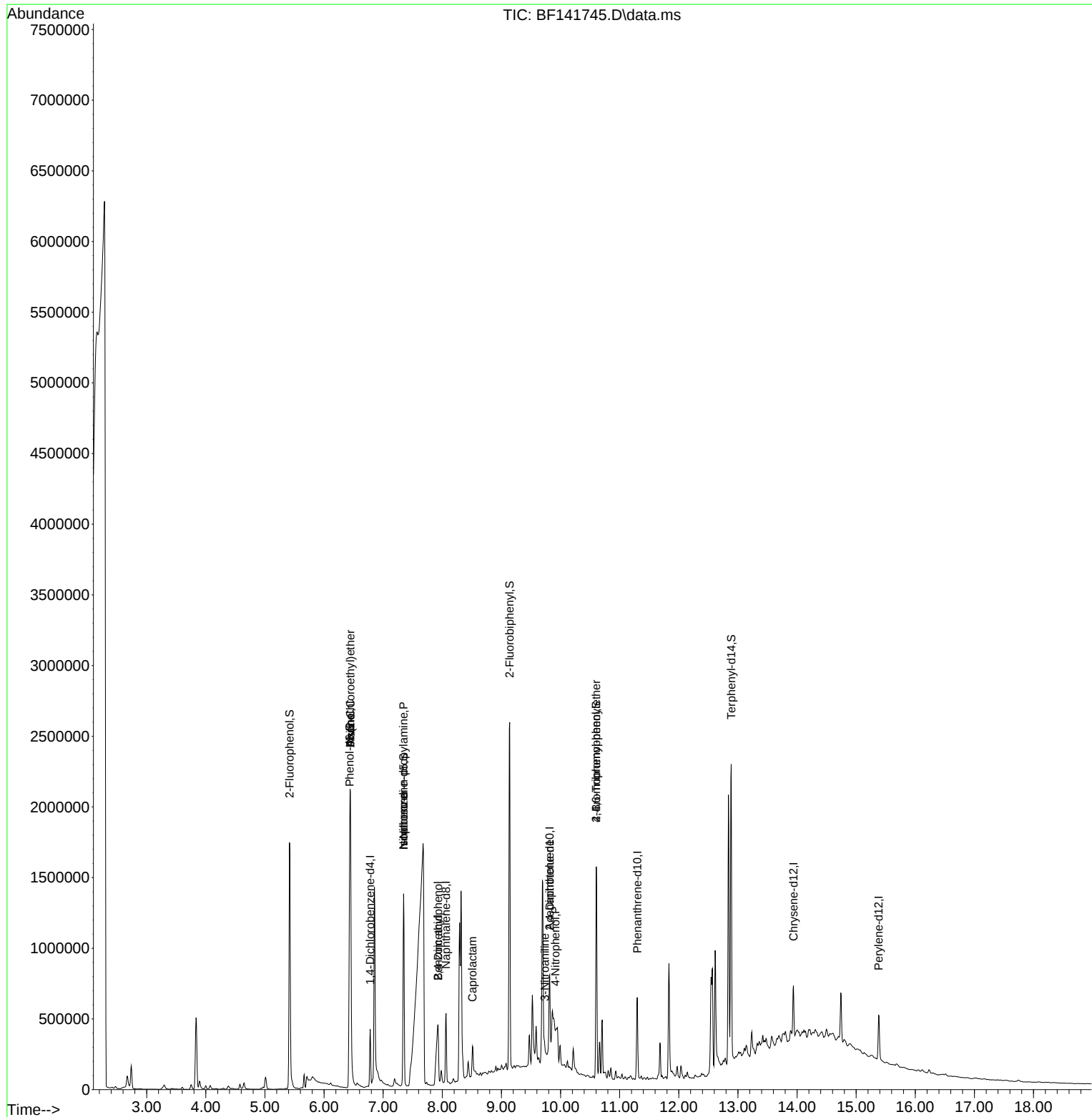
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	82782	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	322273	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	170998	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	270414	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	176235	20.000	ng	-0.02
86) Perylene-d12	15.380	264	193629	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	727149	137.709	ng	0.00
7) Phenol-d6	6.434	99	812502	121.743	ng	0.00
23) Nitrobenzene-d5	7.345	82	618666	100.128	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	253658	147.669	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	1140121	102.722	ng	-0.01
79) Terphenyl-d14	12.886	244	1031648	98.823	ng	-0.02
Target Compounds						
					Qvalue	
6) Aniline	6.446	93	18111	2.893	ng	# 1
10) Phenol	6.446	94	740005	106.533	ng	# 74
11) bis(2-Chloroethyl)ether	6.446	93	18111	3.471	ng	# 1
19) n-Nitroso-di-n-propyla...	7.345	70	84283	21.113	ng	# 73
25) Isophorone	7.345	82	603583	61.266	ng	# 66
27) 2,4-Dimethylphenol	7.928	122	224071	63.987	ng	# 3
32) Benzoic acid	7.928	122	231323	63.596	ng	98
35) Caprolactam	8.510	113	29028	20.150	ng	# 89
53) 3-Nitroaniline	9.734	138	70621	25.856	ng	# 3
56) 4-Nitrophenol	9.910	139	37140	18.317	ng	# 46
57) 2,4-Dinitrotoluene	9.816	165	23623	6.993	ng	# 21
67) 4-Bromophenyl-phenylether	10.604	248	17033	5.636	ng	# 1

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

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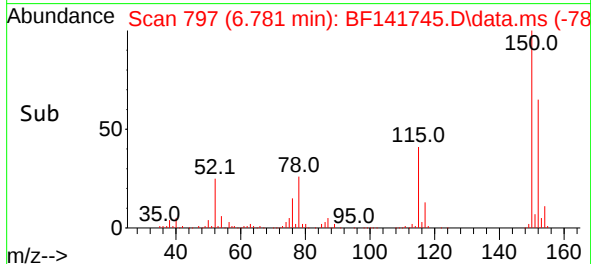
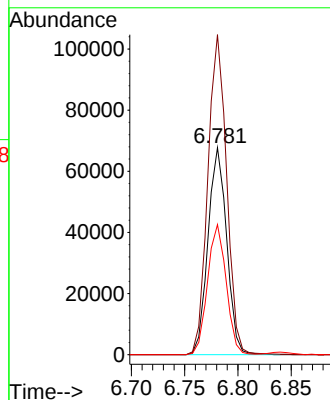
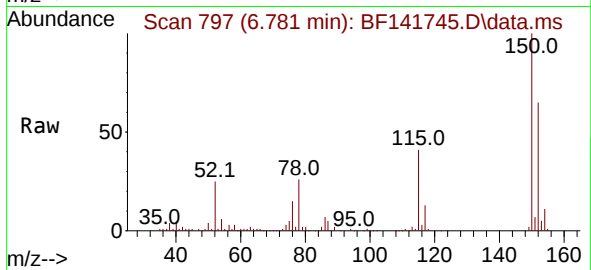




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141745.D
 Acq: 24 Feb 2025 15:39

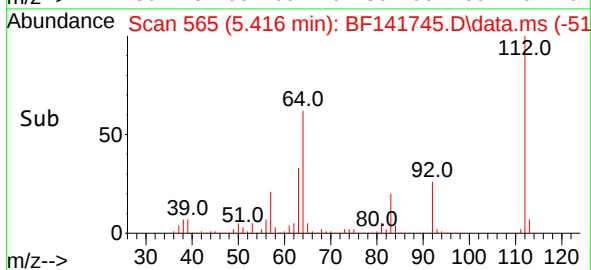
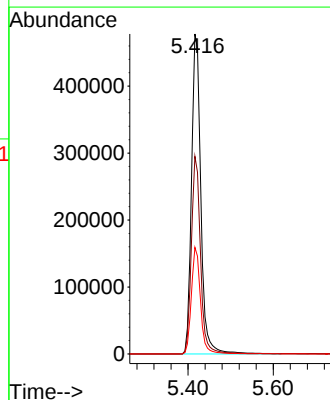
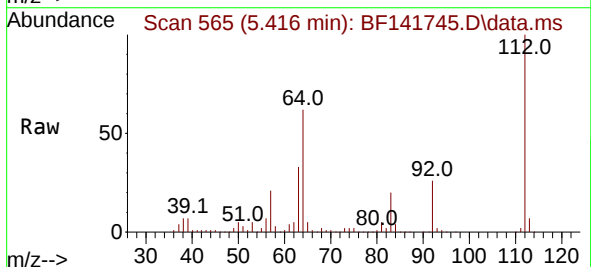
Instrument :
 BNA_F
 ClientSampleId :
 BEL-25-0005

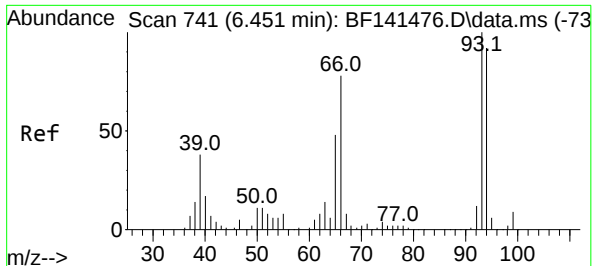
Tgt Ion:152 Resp: 82782
 Ion Ratio Lower Upper
 152 100
 150 154.6 125.0 187.4
 115 62.9 53.6 80.4



#5
 2-Fluorophenol
 Concen: 137.709 ng
 RT: 5.416 min Scan# 565
 Delta R.T. 0.006 min
 Lab File: BF141745.D
 Acq: 24 Feb 2025 15:39

Tgt Ion:112 Resp: 727149
 Ion Ratio Lower Upper
 112 100
 64 61.7 51.1 76.7
 63 33.3 28.4 42.6

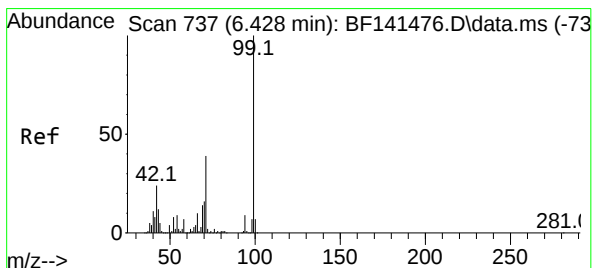
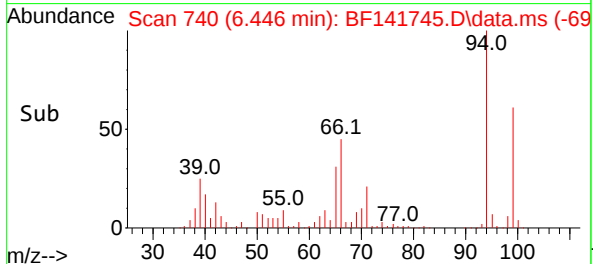
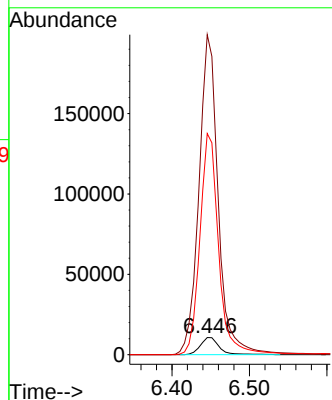
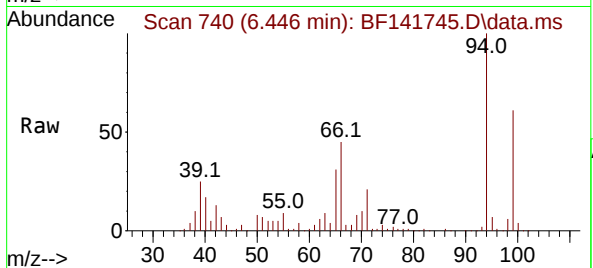




#6
Aniline
Concen: 2.893 ng
RT: 6.446 min Scan# 741
Delta R.T. -0.017 min
Lab File: BF141745.D
Acq: 24 Feb 2025 15:39

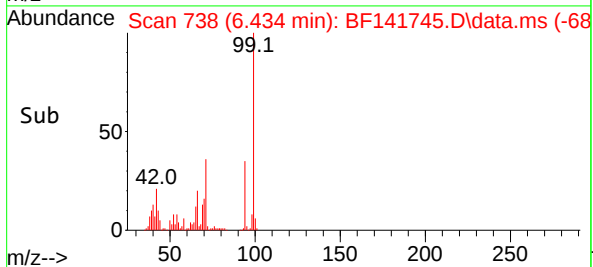
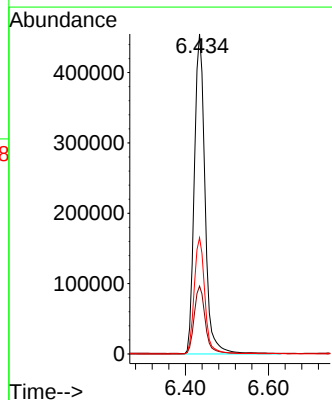
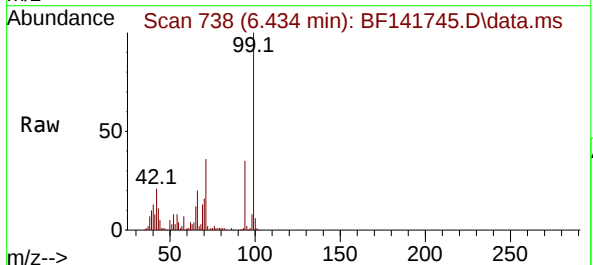
Instrument :
BNA_F
ClientSampleId :
BEL-25-0005

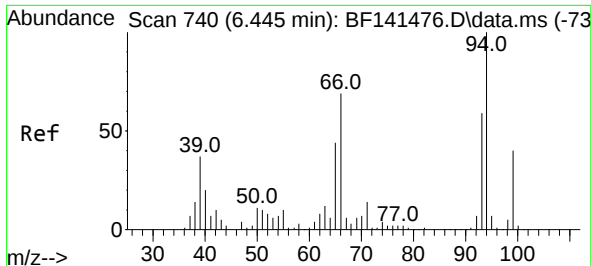
Tgt Ion: 93 Resp: 18111
Ion Ratio Lower Upper
93 100
66 1862.5 62.6 94.0#
65 1287.2 38.3 57.5#



#7
Phenol-d6
Concen: 121.743 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141745.D
Acq: 24 Feb 2025 15:39

Tgt Ion: 99 Resp: 812502
Ion Ratio Lower Upper
99 100
42 21.2 19.1 28.7
71 36.3 31.1 46.7





#10

Phenol

Concen: 106.533 ng

RT: 6.446 min Scan# 740

Delta R.T. -0.012 min

Lab File: BF141745.D

Acq: 24 Feb 2025 15:39

Instrument :

BNA_F

ClientSampleId :

BEL-25-0005

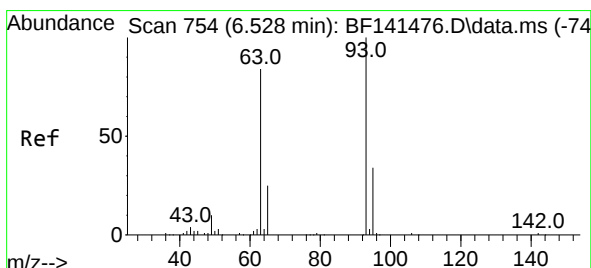
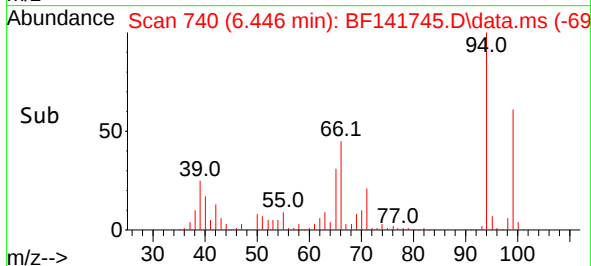
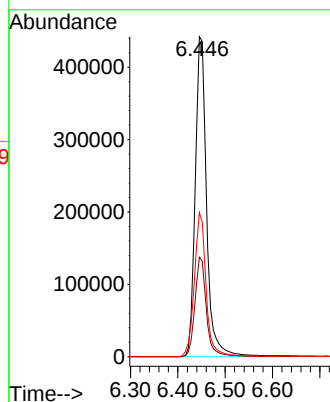
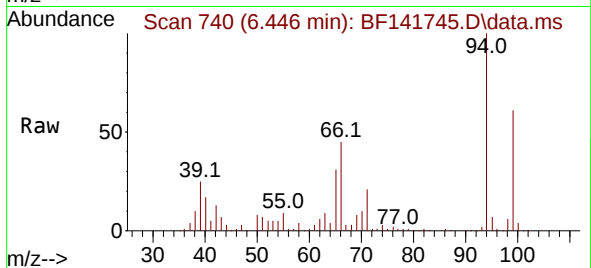
Tgt Ion: 94 Resp: 740005

Ion Ratio Lower Upper

94 100

65 31.1 23.7 63.7

66 45.0 49.3 89.3#



#11

bis(2-Chloroethyl)ether

Concen: 3.471 ng

RT: 6.446 min Scan# 740

Delta R.T. -0.088 min

Lab File: BF141745.D

Acq: 24 Feb 2025 15:39

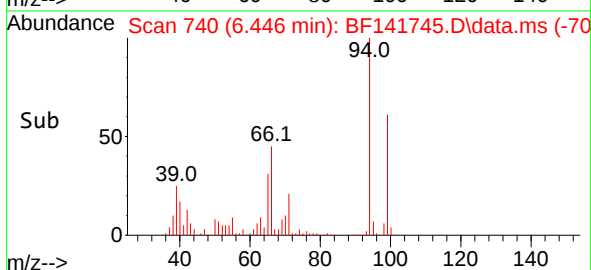
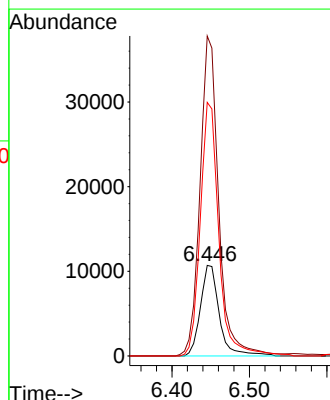
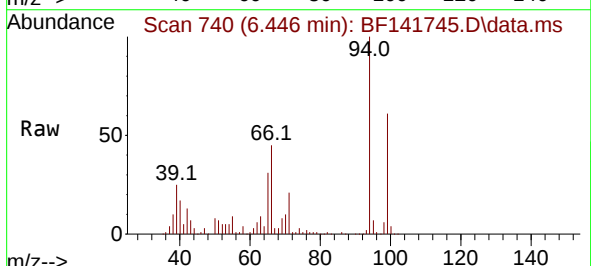
Tgt Ion: 93 Resp: 18111

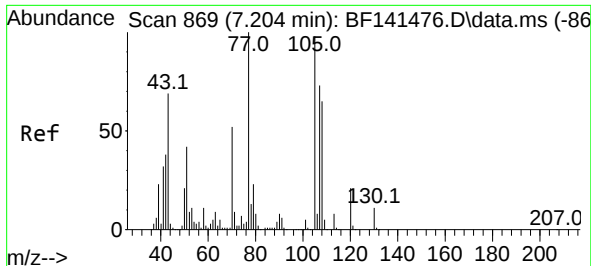
Ion Ratio Lower Upper

93 100

63 353.6 62.0 102.0#

95 280.3 12.6 52.6#

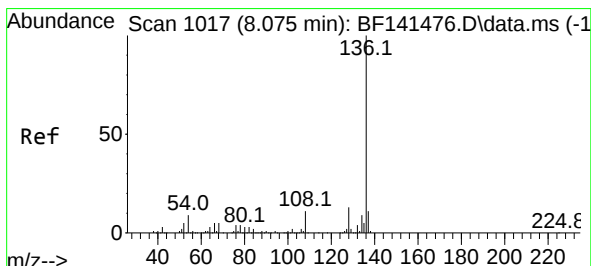
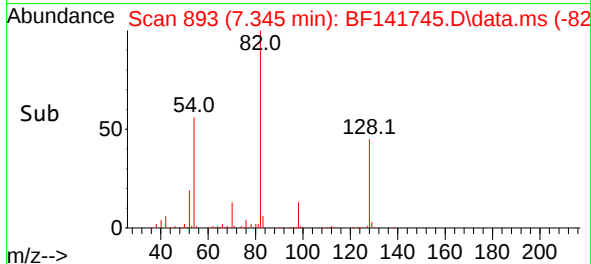
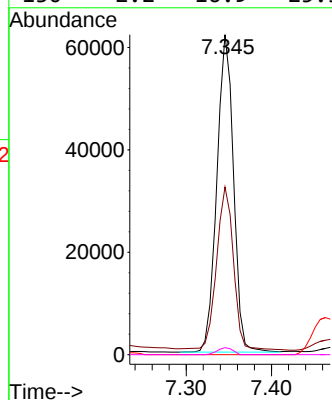
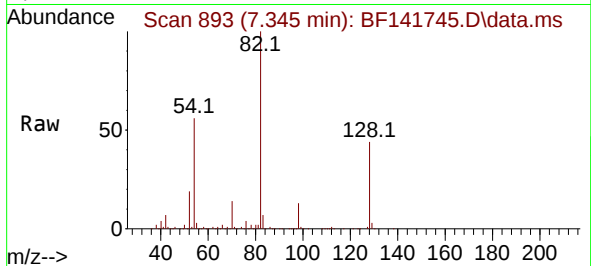




#19
n-Nitroso-di-n-propylamine
Concen: 21.113 ng
RT: 7.345 min Scan# 89
Delta R.T. 0.130 min
Lab File: BF141745.D
Acq: 24 Feb 2025 15:39

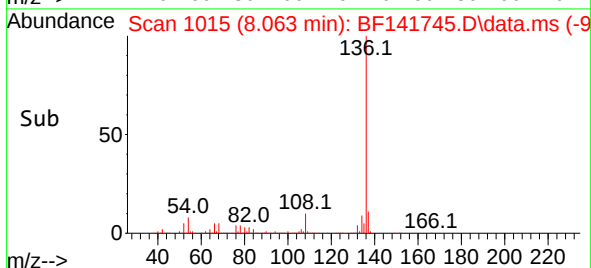
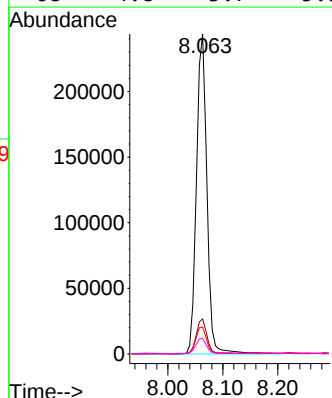
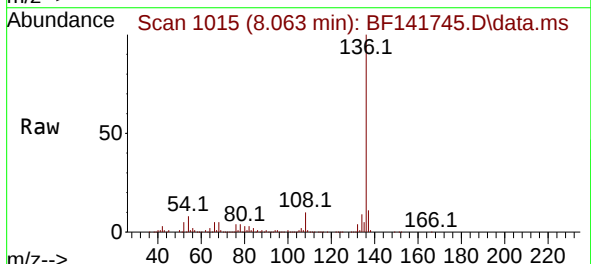
Instrument :
BNA_F
ClientSampleId :
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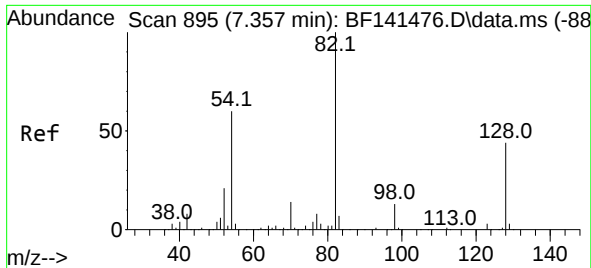
Tgt Ion: 70 Resp: 84283
Ion Ratio Lower Upper
70 100
42 52.4 57.4 86.2#
101 0.0 8.0 12.0#
130 2.2 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141745.D
Acq: 24 Feb 2025 15:39

Tgt Ion:136 Resp: 322273
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.4 7.2 10.8
68 4.8 3.7 5.5

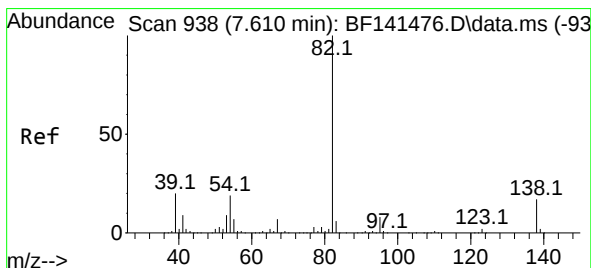
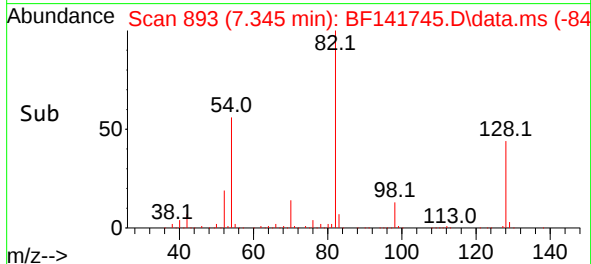
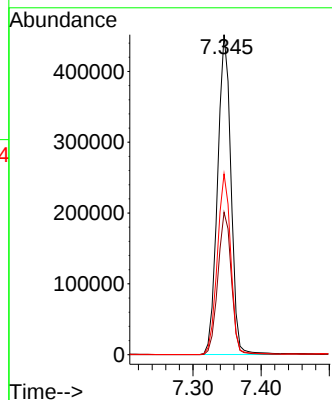
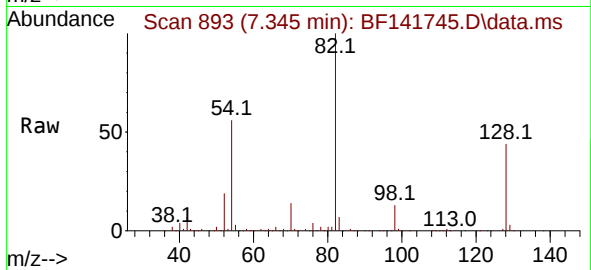




#23
Nitrobenzene-d5
Concen: 100.128 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141745.D
Acq: 24 Feb 2025 15:39

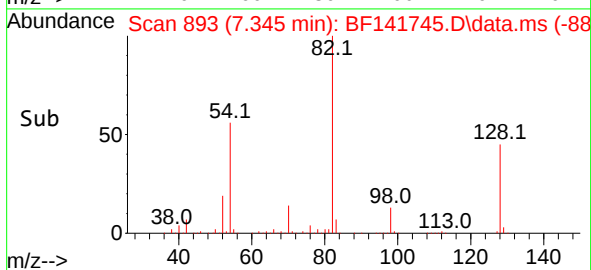
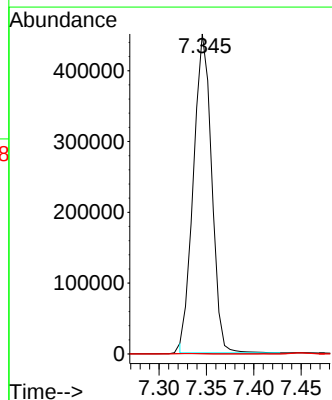
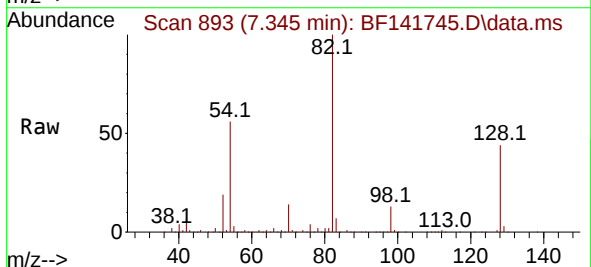
Instrument :
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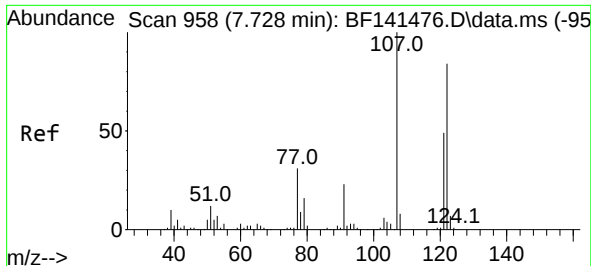
Tgt Ion: 82 Resp: 618666
Ion Ratio Lower Upper
82 100
128 44.5 34.8 52.2
54 56.5 48.2 72.4



#25
Isophorone
Concen: 61.266 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF141745.D
Acq: 24 Feb 2025 15:39

Tgt Ion: 82 Resp: 603583
Ion Ratio Lower Upper
82 100
95 0.1 6.4 9.6#
138 0.0 13.9 20.9#

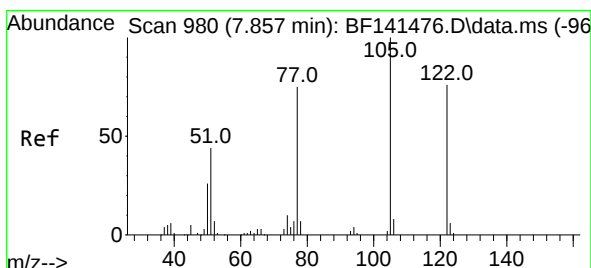
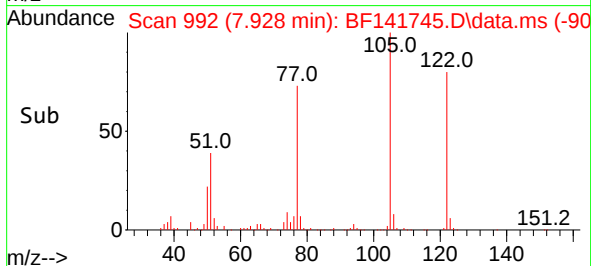
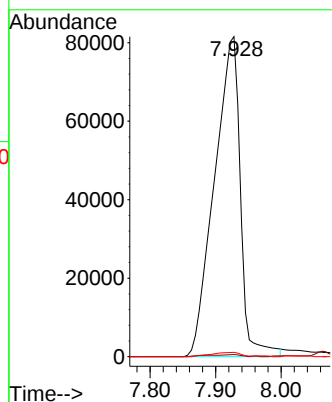
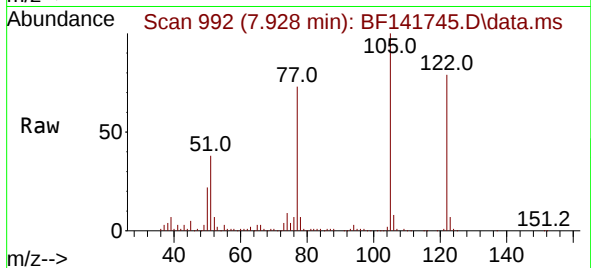




#27
2,4-Dimethylphenol
Concen: 63.987 ng
RT: 7.928 min Scan# 992
Delta R.T. 0.194 min
Lab File: BF141745.D
Acq: 24 Feb 2025 15:39

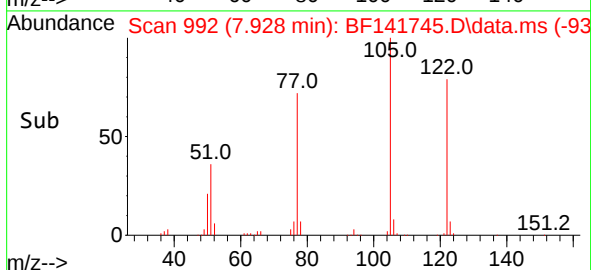
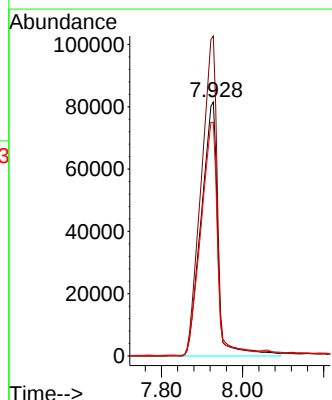
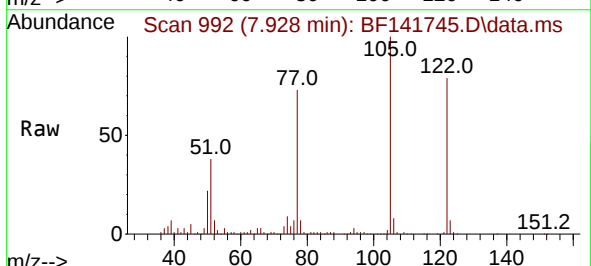
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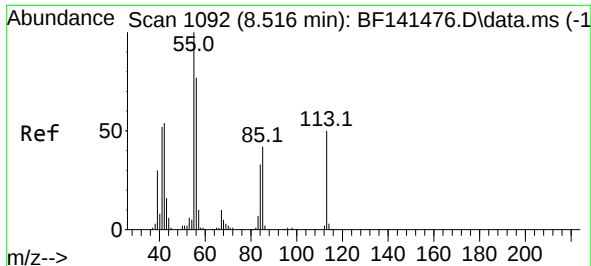
Tgt Ion:122 Resp: 224071
Ion Ratio Lower Upper
122 100
107 0.7 94.3 141.5#
121 1.4 46.0 69.0#



#32
Benzoic acid
Concen: 63.596 ng
RT: 7.928 min Scan# 992
Delta R.T. 0.036 min
Lab File: BF141745.D
Acq: 24 Feb 2025 15:39

Tgt Ion:122 Resp: 231323
Ion Ratio Lower Upper
122 100
105 126.0 106.5 146.5
77 92.0 76.3 116.3

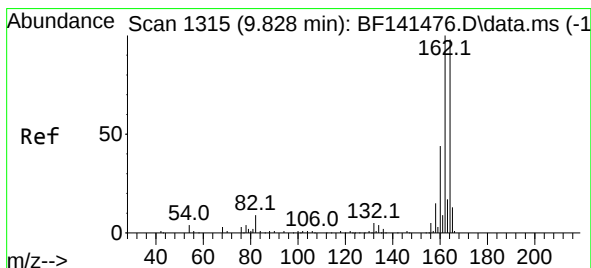
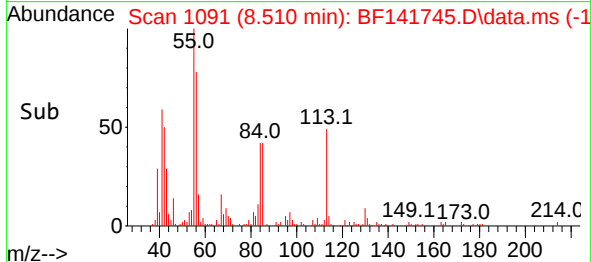
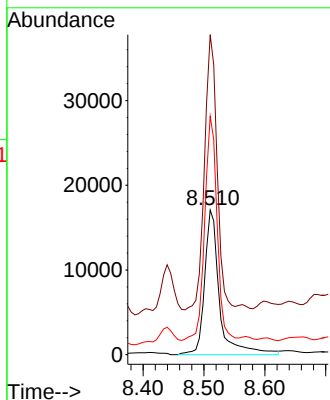
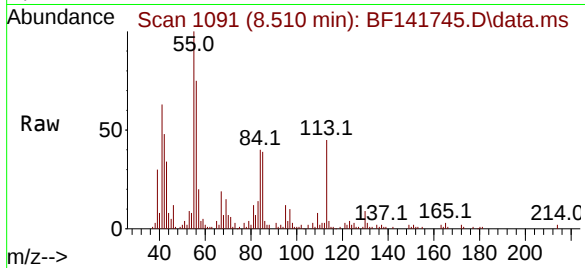




#35
 Caprolactam
 Concen: 20.150 ng
 RT: 8.510 min Scan# 1092
 Delta R.T. -0.035 min
 Lab File: BF141745.D
 Acq: 24 Feb 2025 15:39

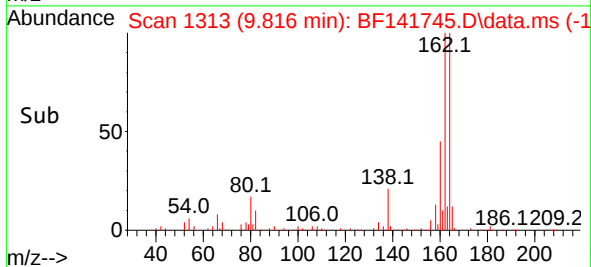
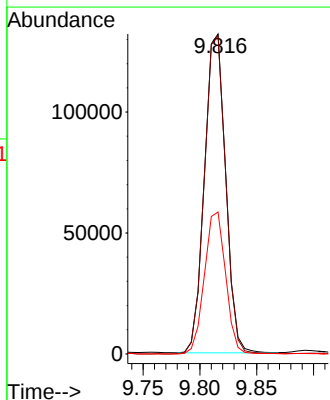
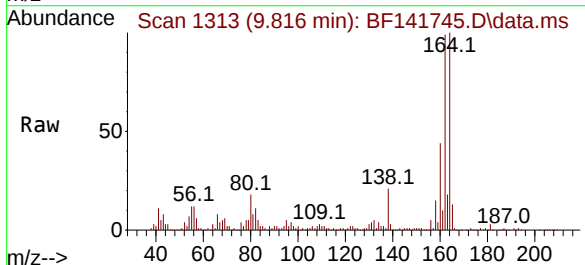
Instrument :
 BNA_F
 ClientSampleId :
 BEL-25-0005

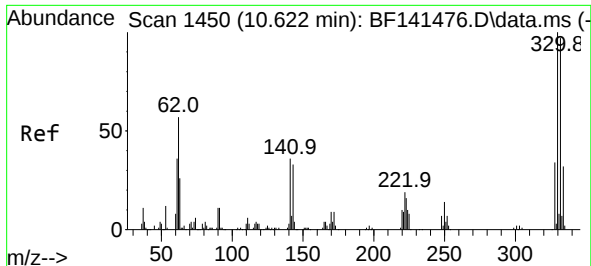
Tgt Ion:113 Resp: 29028
 Ion Ratio Lower Upper
 113 100
 55 221.1 180.8 220.8#
 56 164.7 133.6 173.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.816 min Scan# 1313
 Delta R.T. -0.017 min
 Lab File: BF141745.D
 Acq: 24 Feb 2025 15:39

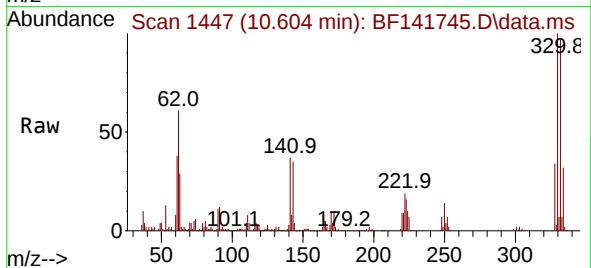
Tgt Ion:164 Resp: 170998
 Ion Ratio Lower Upper
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 162 99.5 81.3 121.9
 160 44.3 35.9 53.9



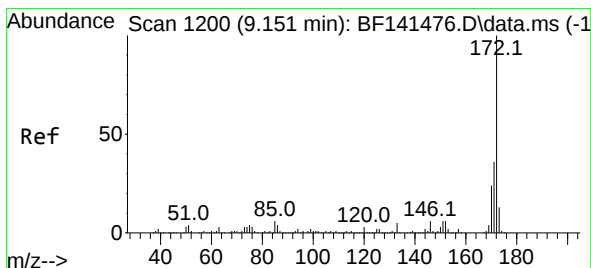
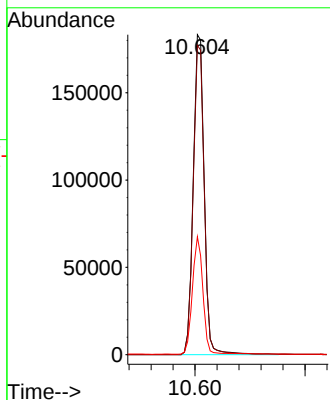
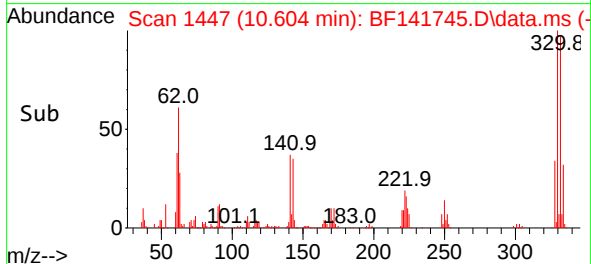


#42
2,4,6-Tribromophenol
Concen: 147.669 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141745.D
Acq: 24 Feb 2025 15:39

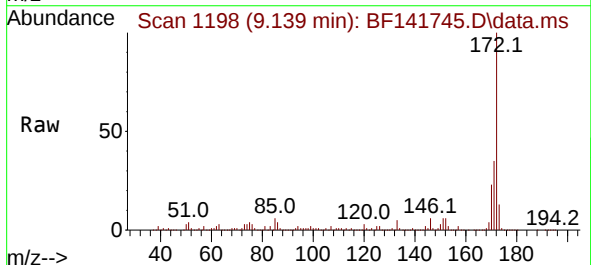
Instrument :
BNA_F
ClientSampleId :
BEL-25-0005



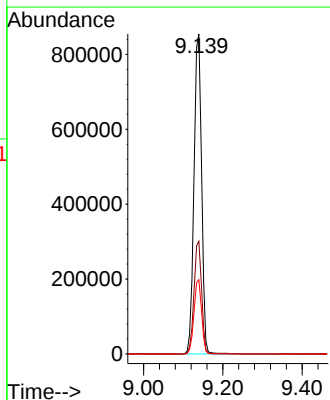
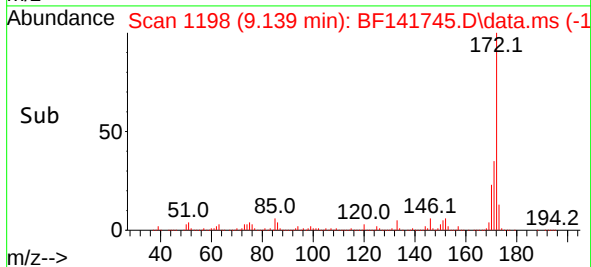
Tgt Ion:330 Resp: 253658
Ion Ratio Lower Upper
330 100
332 96.8 78.5 117.7
141 35.3 31.0 46.4

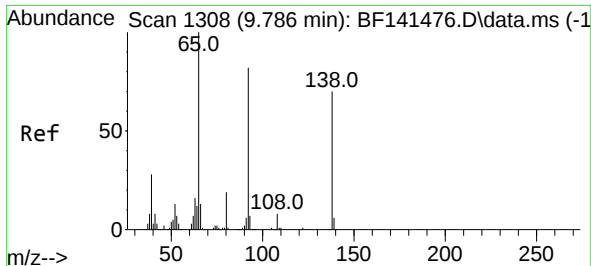


#45
2-Fluorobiphenyl
Concen: 102.722 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141745.D
Acq: 24 Feb 2025 15:39



Tgt Ion:172 Resp: 1140121
Ion Ratio Lower Upper
172 100
171 35.2 28.7 43.1
170 23.2 18.9 28.3

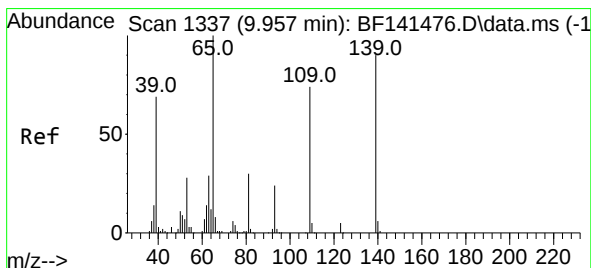
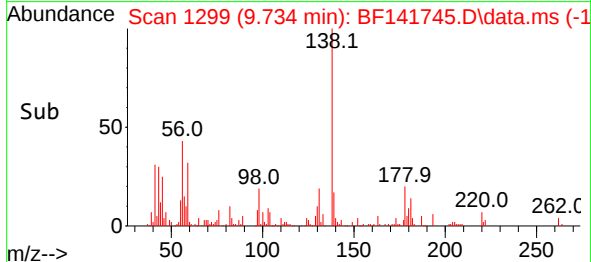
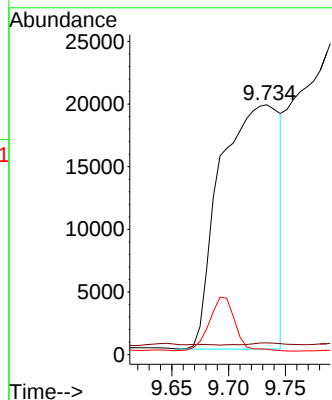
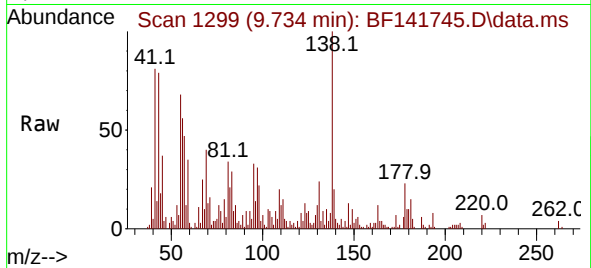




#53
3-Nitroaniline
Concen: 25.856 ng
RT: 9.734 min Scan# 11
Delta R.T. -0.059 min
Lab File: BF141745.D
Acq: 24 Feb 2025 15:39

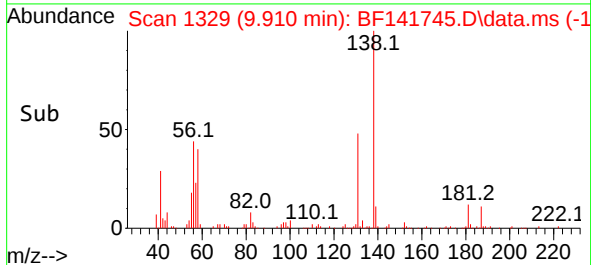
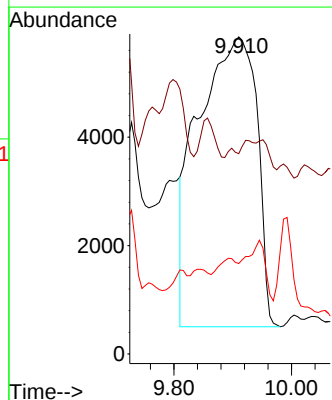
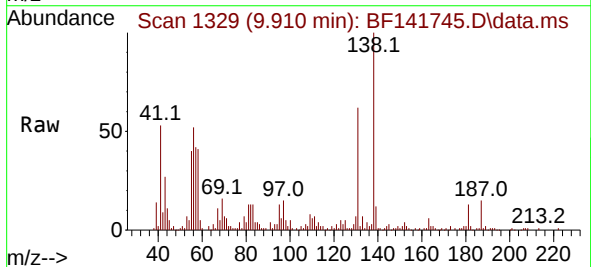
Instrument :
BNA_F
ClientSampleId :
BEL-25-0005

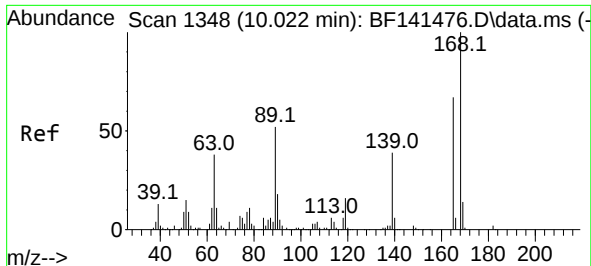
Tgt Ion:138 Resp: 70621
Ion Ratio Lower Upper
138 100
108 4.7 9.0 13.4#
92 2.2 93.7 140.5#



#56
4-Nitrophenol
Concen: 18.317 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.059 min
Lab File: BF141745.D
Acq: 24 Feb 2025 15:39

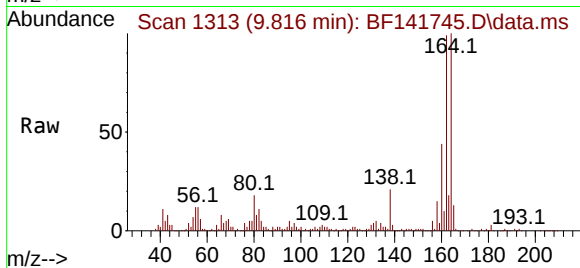
Tgt Ion:139 Resp: 37140
Ion Ratio Lower Upper
139 100
109 63.2 62.0 102.0
65 28.5 91.2 131.2#



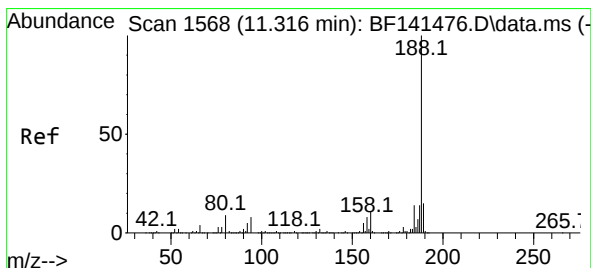
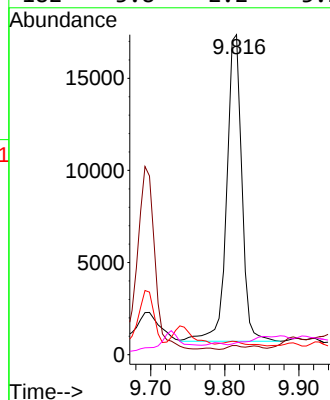
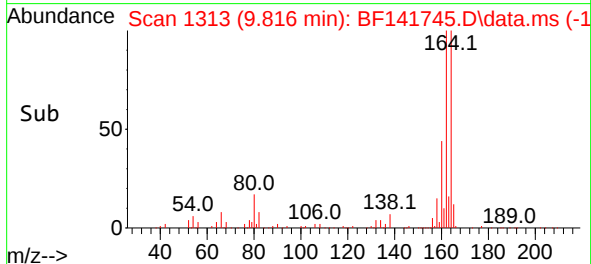


#57
2,4-Dinitrotoluene
Concen: 6.993 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF141745.D
Acq: 24 Feb 2025 15:39

Instrument :
BNA_F
ClientSampleId :
BEL-25-0005

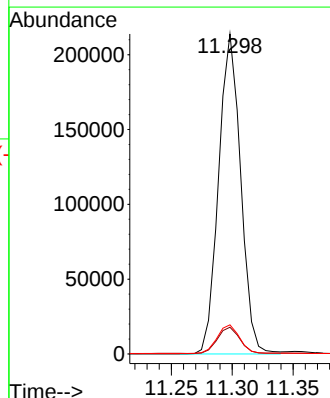
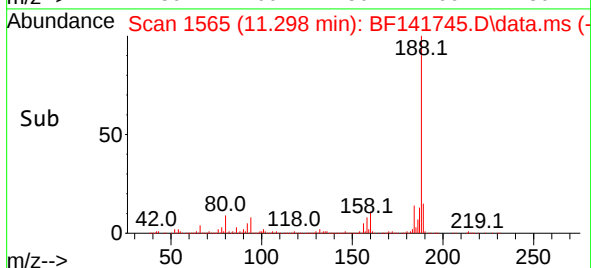
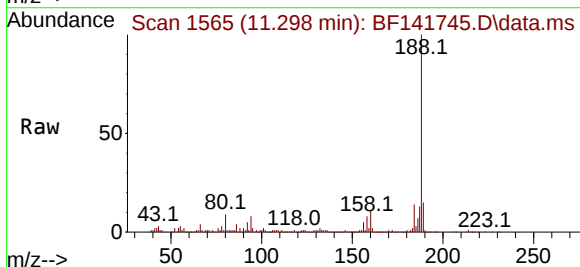


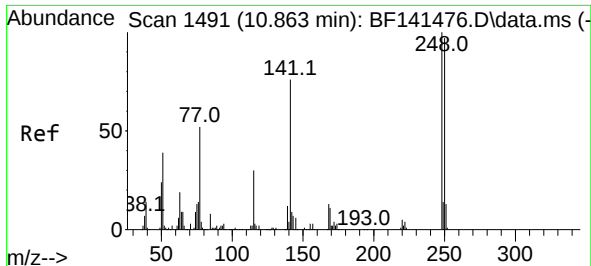
Tgt Ion:165 Resp: 23623
Ion Ratio Lower Upper
165 100
63 2.8 46.4 69.6#
89 4.1 61.8 92.6#
182 3.8 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.017 min
Lab File: BF141745.D
Acq: 24 Feb 2025 15:39

Tgt Ion:188 Resp: 270414
Ion Ratio Lower Upper
188 100
94 8.4 6.6 10.0
80 9.1 7.3 10.9

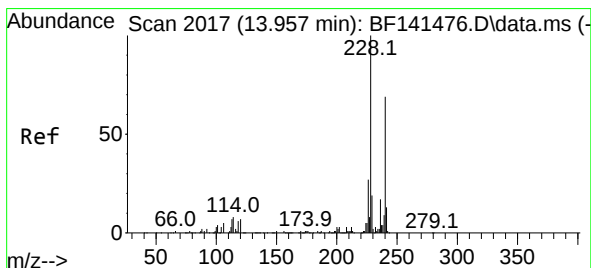
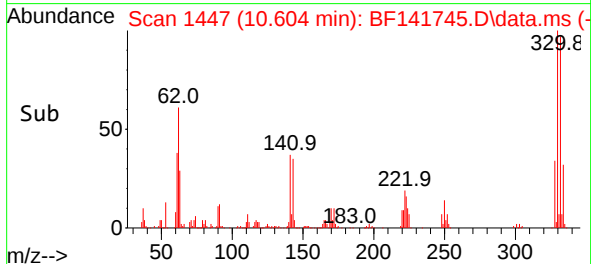
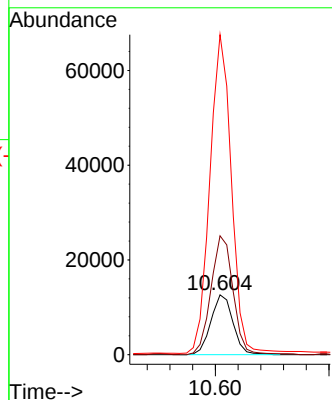
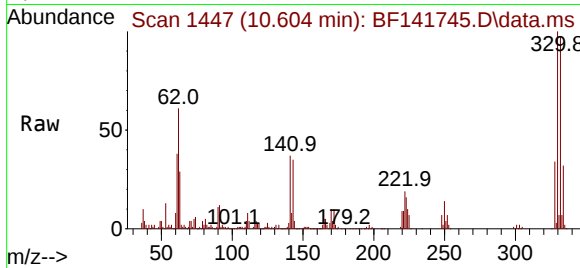




#67
4-Bromophenyl-phenylether
Concen: 5.636 ng
RT: 10.604 min Scan# 1491
Delta R.T. -0.259 min
Lab File: BF141745.D
Acq: 24 Feb 2025 15:39

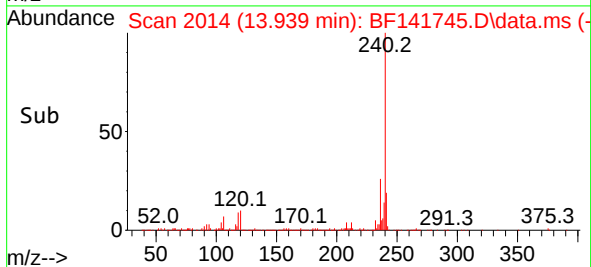
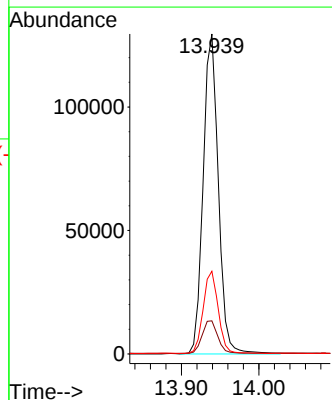
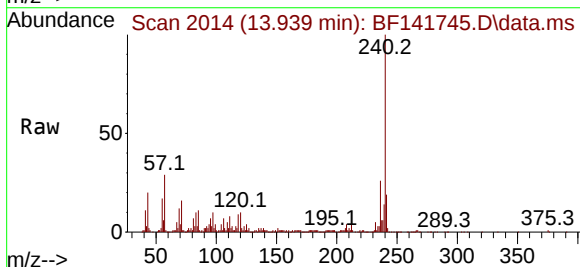
Instrument :
BNA_F
ClientSampleId :
BEL-25-0005

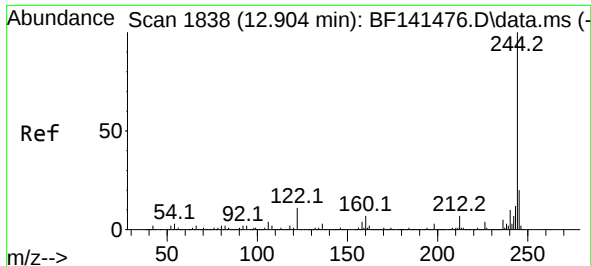
Tgt Ion:248 Resp: 17033
Ion Ratio Lower Upper
248 100
250 198.5 77.8 116.6#
141 534.1 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141745.D
Acq: 24 Feb 2025 15:39

Tgt Ion:240 Resp: 176235
Ion Ratio Lower Upper
240 100
120 10.4 8.0 12.0
236 25.9 19.8 29.8

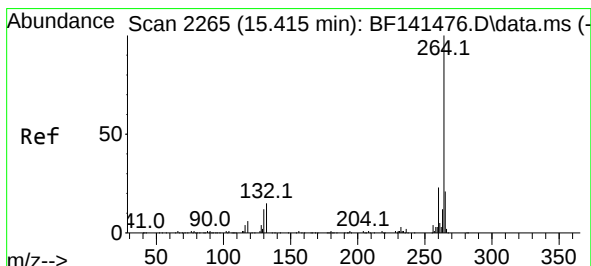
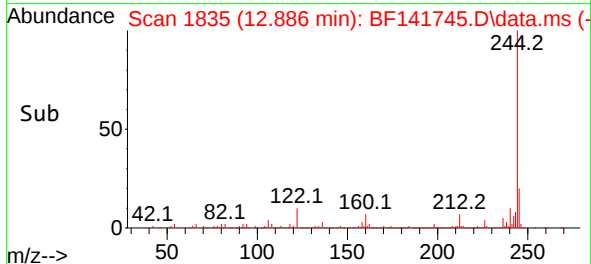
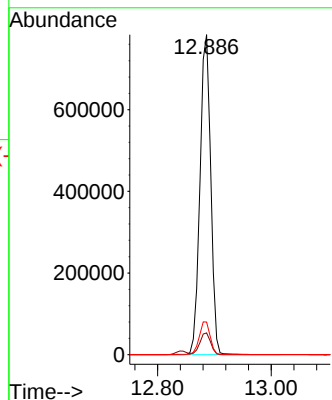
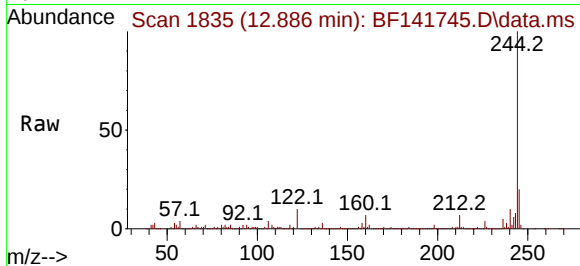




#79
 Terphenyl-d14
 Concen: 98.823 ng
 RT: 12.886 min Scan# 11
 Delta R.T. -0.017 min
 Lab File: BF141745.D
 Acq: 24 Feb 2025 15:39

Instrument :
 BNA_F
 ClientSampleId :
 BEL-25-0005

Tgt Ion:244 Resp: 1031648
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.2 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: BF141745.D
 Acq: 24 Feb 2025 15:39

Tgt Ion:264 Resp: 193629
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 28.0
 265 21.7 17.0 25.4

