

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120424\
 Data File : BF140733.D
 Acq On : 04 Dec 2024 18:12
 Operator : RC/JU
 Sample : P5052-20
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-640-COMP-63

Quant Time: Dec 05 00:06:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

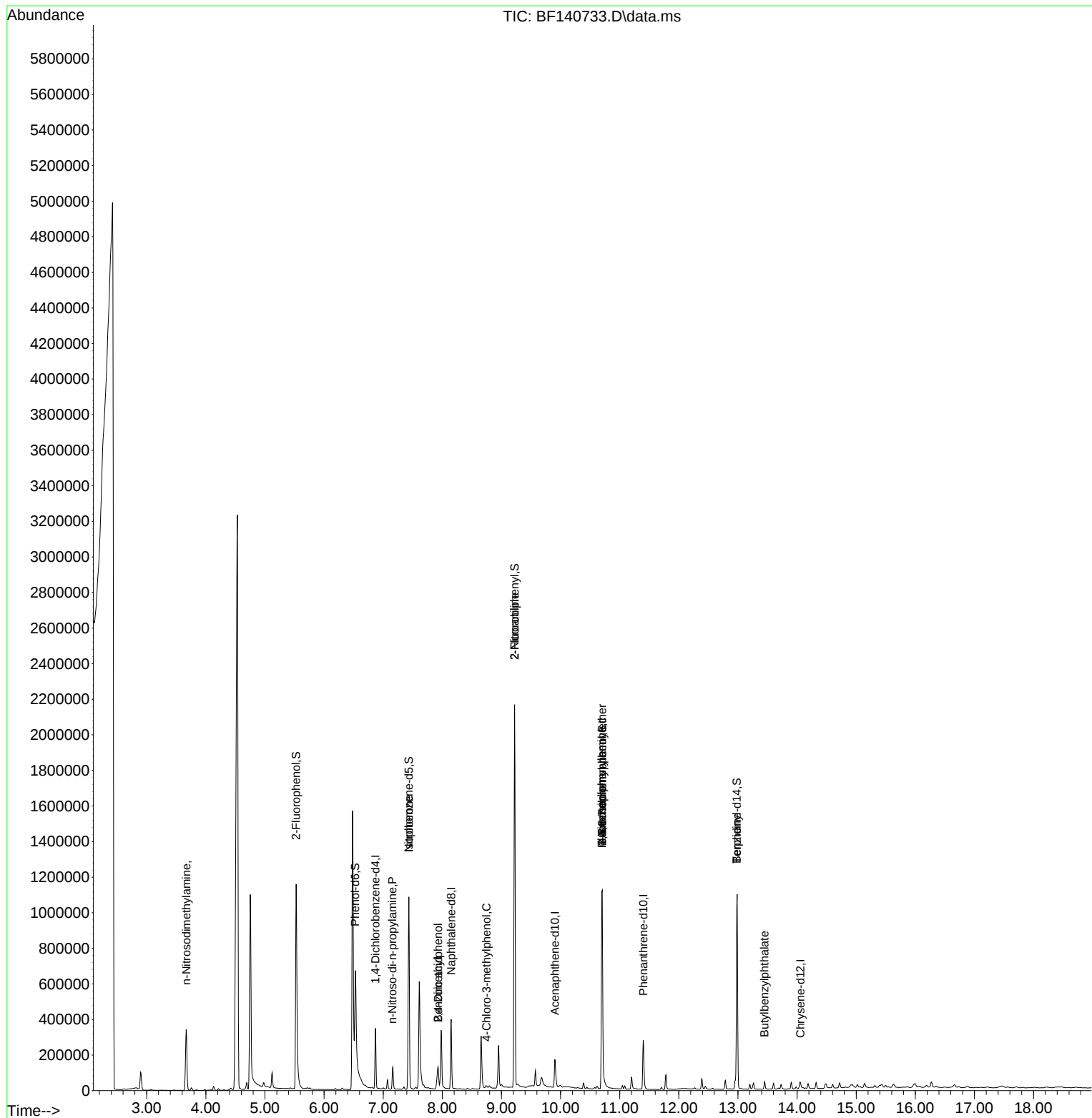
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	69361	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	233087	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	36372	20.000	ng	#-0.01
64) Phenanthrene-d10	11.398	188	112100	20.000	ng	0.00
76) Chrysene-d12	14.057	240	9450	20.000	ng	# 0.00
86) Perylene-d12	0.000	264	0	0.000	ng	-15.54
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	550133	135.327	ng	0.03
7) Phenol-d6	6.528	99	239087	44.487	ng	0.01
23) Nitrobenzene-d5	7.434	82	500026	109.729	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	235289	604.854	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	964031	394.906	ng	-0.01
79) Terphenyl-d14	12.980	244	356871	588.037	ng	-0.01
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.669	42	10270	4.647	ng	# 1
19) n-Nitroso-di-n-propyla...	7.157	70	7819	2.462	ng	# 49
25) Isophorone	7.434	82	494363	65.043	ng	# 66
27) 2,4-Dimethylphenol	7.928	122	54365	21.770	ng	# 2
32) Benzoic acid	7.928	122	54365	28.461	ng	100
36) 4-Chloro-3-methylphenol	8.745	107	7998	2.159	ng	# 88
48) 2-Nitroaniline	9.222	65	1655	2.506	ng	# 1
58) Fluorene	10.698	166	7949	3.287	ng	# 85
66) n-Nitrosodiphenylamine	10.698	169	7126	2.150	ng	# 47
67) 4-Bromophenyl-phenylether	10.704	248	14738	12.766	ng	# 1
77) Benzidine	12.980	184	6509	23.690	ng	# 70
80) Butylbenzylphthalate	13.451	149	678	2.154	ng	# 24

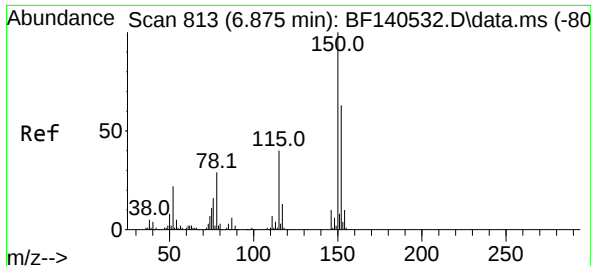
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 21 15:23:48 2024
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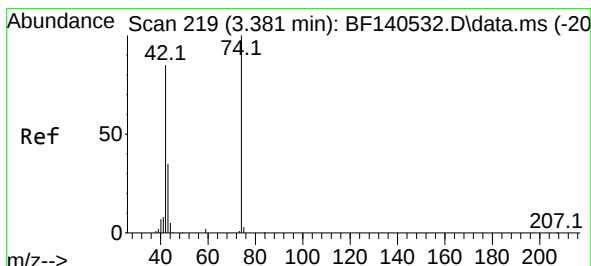
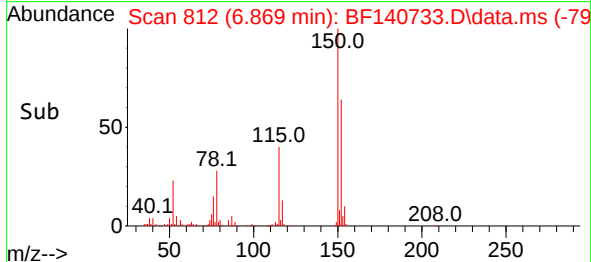
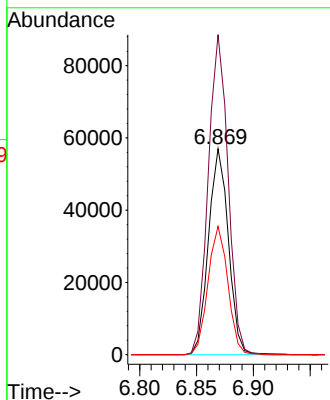
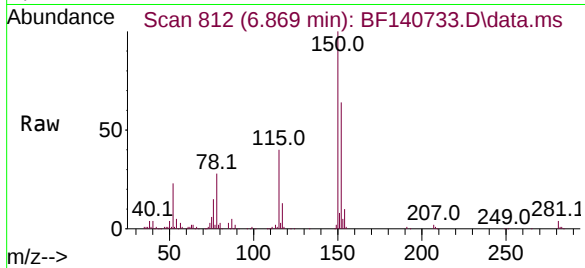




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140733.D
Acq: 04 Dec 2024 18:12

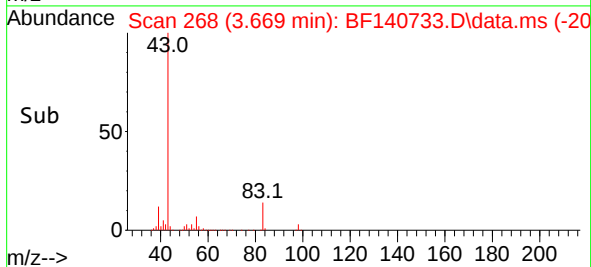
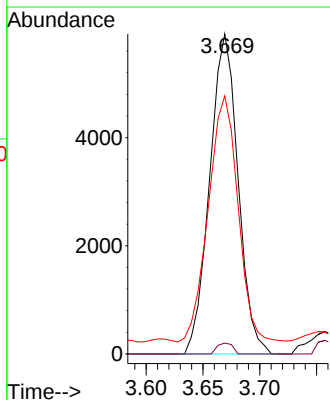
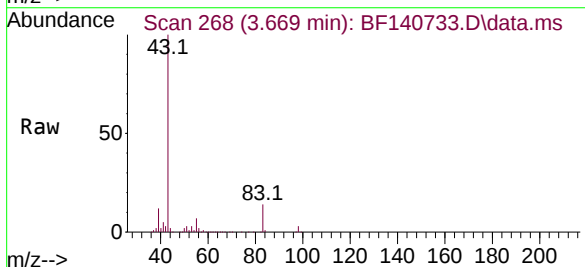
Instrument :
BNA_F
ClientSampleId :
OR-640-COMP-63

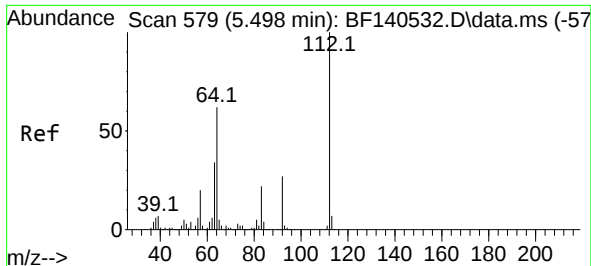
Tgt Ion:152 Resp: 69361
Ion Ratio Lower Upper
152 100
150 155.4 128.5 192.7
115 62.3 50.2 75.4



#4
n-Nitrosodimethylamine
Concen: 4.647 ng
RT: 3.669 min Scan# 268
Delta R.T. 0.288 min
Lab File: BF140733.D
Acq: 04 Dec 2024 18:12

Tgt Ion: 42 Resp: 10270
Ion Ratio Lower Upper
42 100
74 3.4 93.8 140.6#
44 80.6 4.6 6.8#

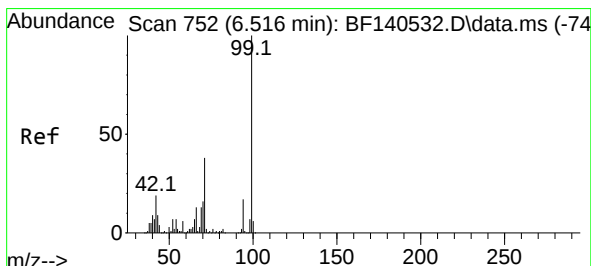
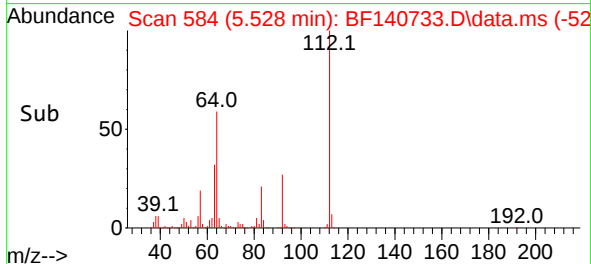
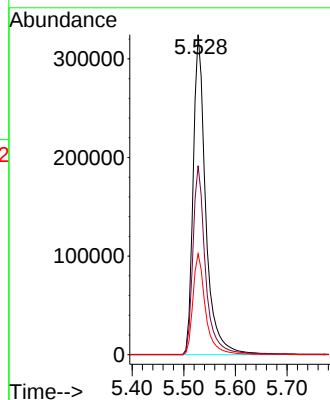
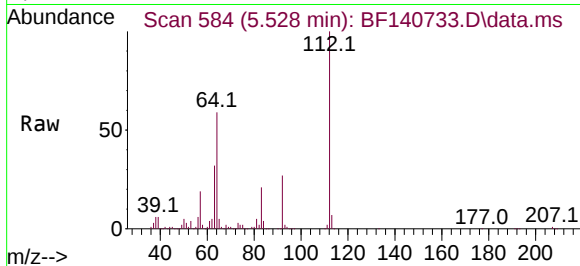




#5
2-Fluorophenol
Concen: 135.327 ng
RT: 5.528 min Scan# 51
Delta R.T. 0.029 min
Lab File: BF140733.D
Acq: 04 Dec 2024 18:12

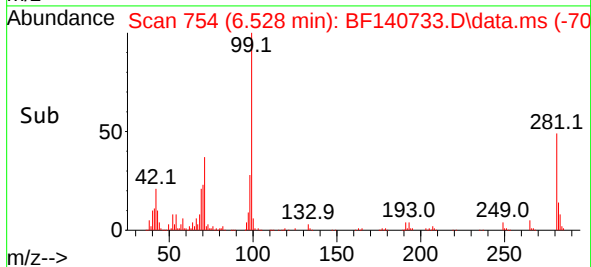
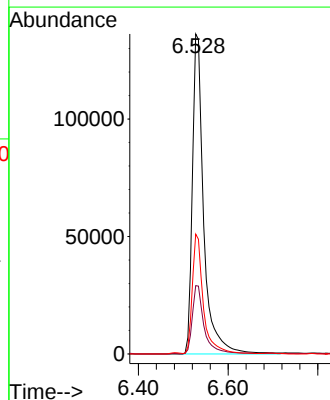
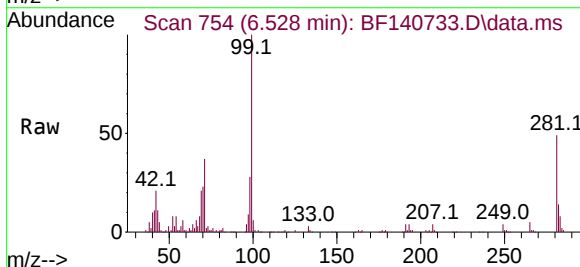
Instrument :
BNA_F
ClientSampleId :
OR-640-COMP-63

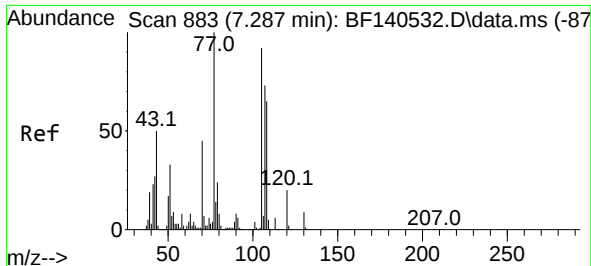
Tgt Ion:112 Resp: 550133
Ion Ratio Lower Upper
112 100
64 59.1 49.2 73.8
63 31.6 27.0 40.4



#7
Phenol-d6
Concen: 44.487 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.012 min
Lab File: BF140733.D
Acq: 04 Dec 2024 18:12

Tgt Ion: 99 Resp: 239087
Ion Ratio Lower Upper
99 100
42 21.4 15.4 23.0
71 37.5 30.6 46.0

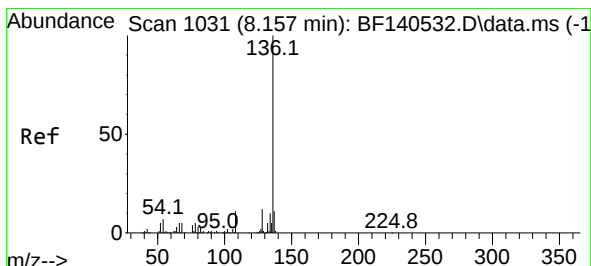
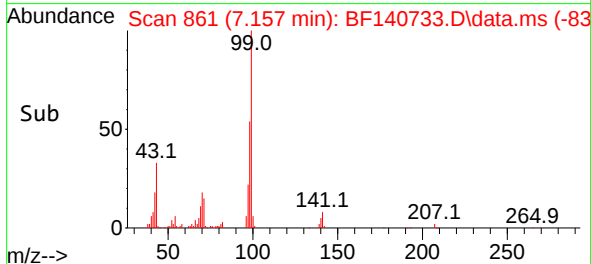
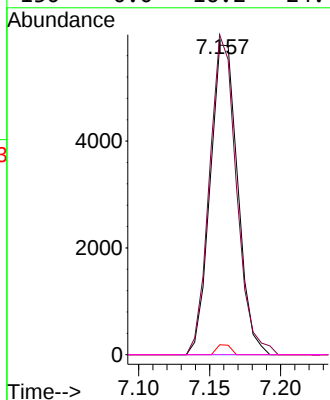
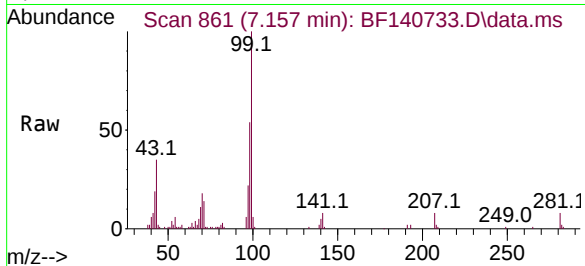




#19
n-Nitroso-di-n-propylamine
Concen: 2.462 ng
RT: 7.157 min Scan# 80
Delta R.T. -0.129 min
Lab File: BF140733.D
Acq: 04 Dec 2024 18:12

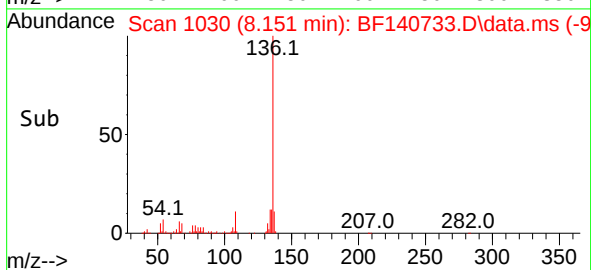
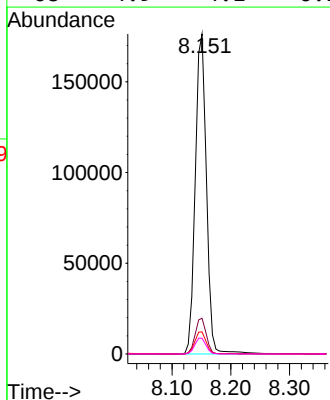
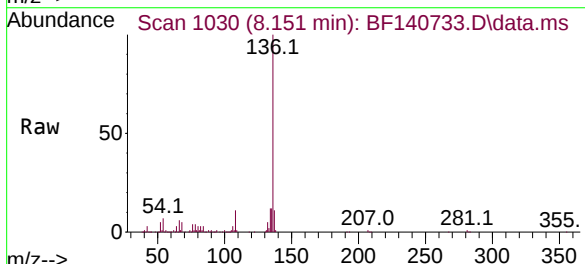
Instrument :
BNA_F
ClientSampleId :
OR-640-COMP-63

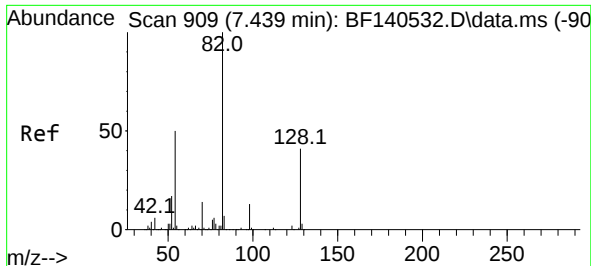
Tgt Ion:	70	Resp:	7819
Ion	Ratio	Lower	Upper
70	100		
42	103.4	47.6	71.4#
101	3.2	7.6	11.4#
130	0.0	16.2	24.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140733.D
Acq: 04 Dec 2024 18:12

Tgt Ion:	136	Resp:	233087
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	6.9	5.8	8.8
68	4.9	4.1	6.1





#23

Nitrobenzene-d5

Concen: 109.729 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF140733.D

Acq: 04 Dec 2024 18:12

Instrument :

BNA_F

ClientSampleId :

OR-640-COMP-63

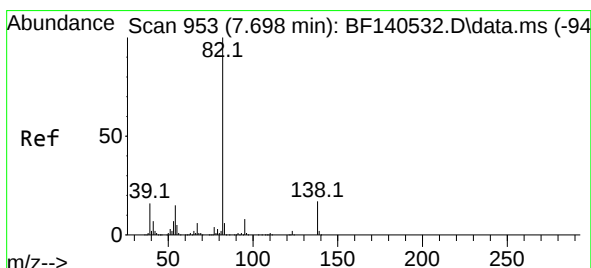
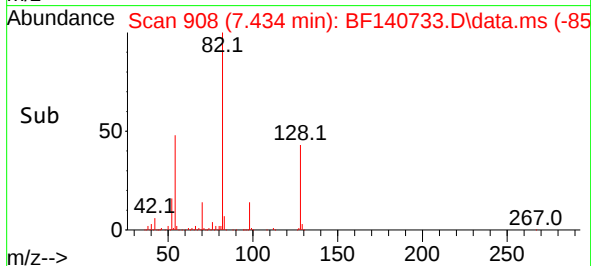
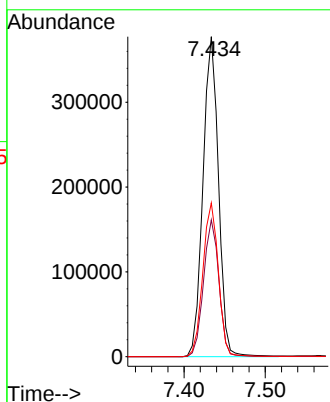
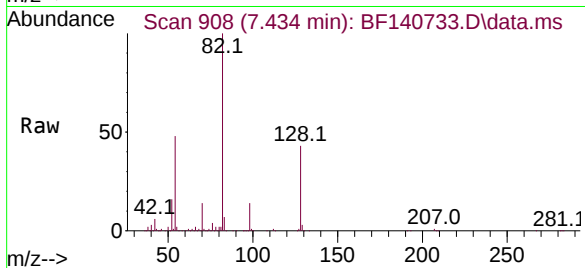
Tgt Ion: 82 Resp: 500026

Ion Ratio Lower Upper

82 100

128 42.8 33.0 49.4

54 48.1 39.5 59.3



#25

Isophorone

Concen: 65.043 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.265 min

Lab File: BF140733.D

Acq: 04 Dec 2024 18:12

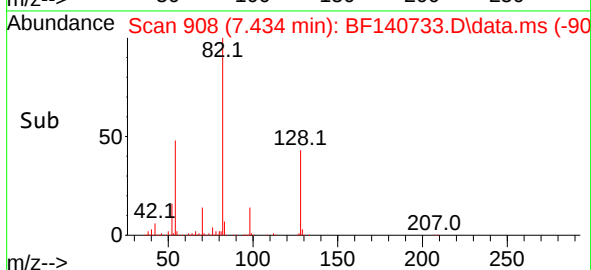
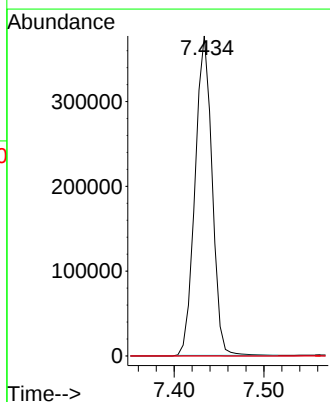
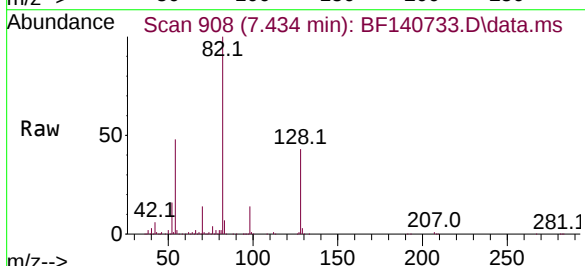
Tgt Ion: 82 Resp: 494363

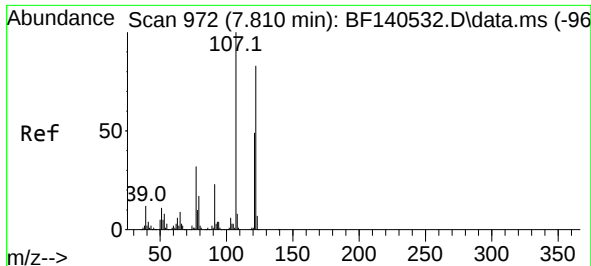
Ion Ratio Lower Upper

82 100

95 0.1 6.4 9.6#

138 0.0 13.8 20.6#

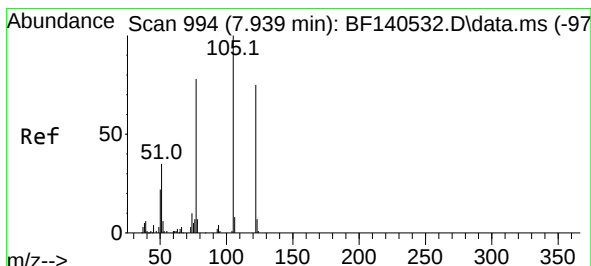
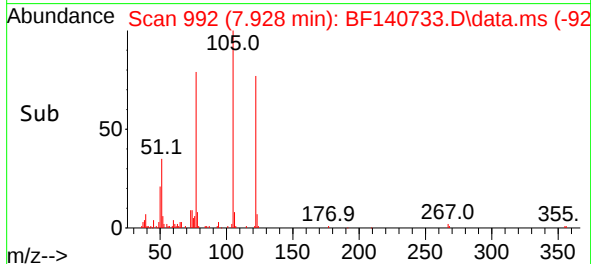
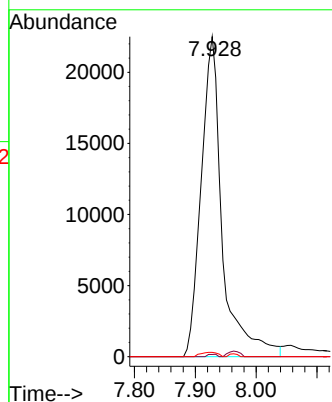
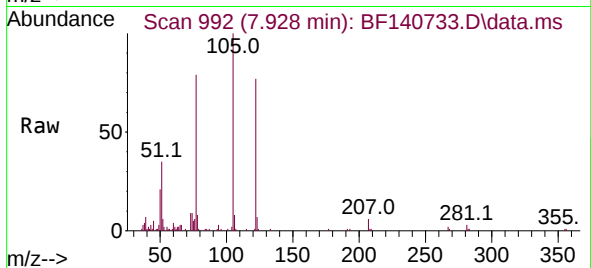




#27
2,4-Dimethylphenol
Concen: 21.770 ng
RT: 7.928 min Scan# 992
Delta R.T. 0.118 min
Lab File: BF140733.D
Acq: 04 Dec 2024 18:12

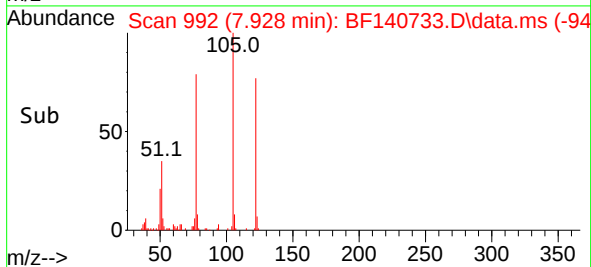
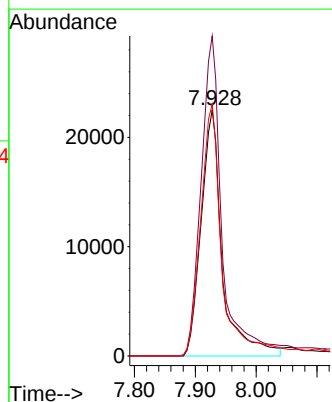
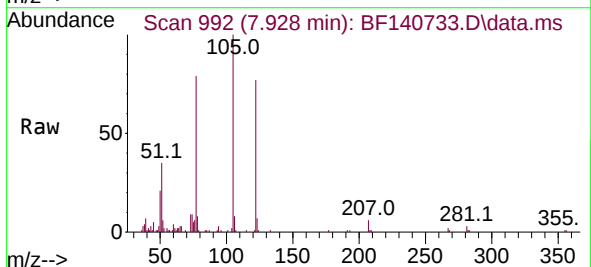
Instrument :
BNA_F
ClientSampleId :
OR-640-COMP-63

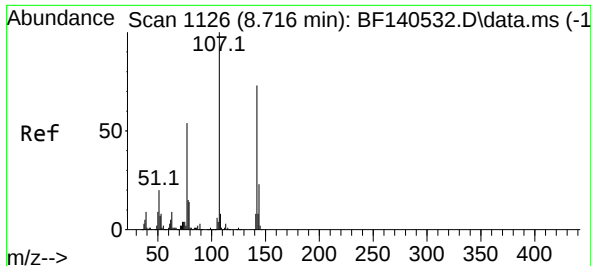
Tgt Ion:122 Resp: 54365
Ion Ratio Lower Upper
122 100
107 0.7 96.8 145.2#
121 1.3 47.4 71.0#



#32
Benzoic acid
Concen: 28.461 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.011 min
Lab File: BF140733.D
Acq: 04 Dec 2024 18:12

Tgt Ion:122 Resp: 54365
Ion Ratio Lower Upper
122 100
105 130.1 109.3 149.3
77 102.3 82.3 122.3





#36

4-Chloro-3-methylphenol

Concen: 2.159 ng

RT: 8.745 min Scan# 1126

Delta R.T. 0.029 min

Lab File: BF140733.D

Acq: 04 Dec 2024 18:12

Instrument :

BNA_F

ClientSampleId :

OR-640-COMP-63

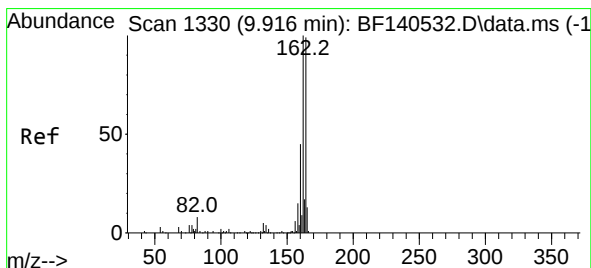
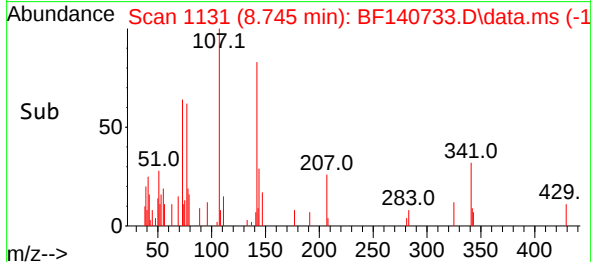
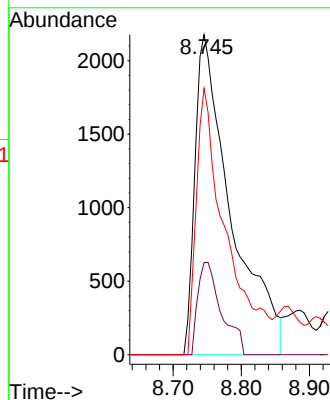
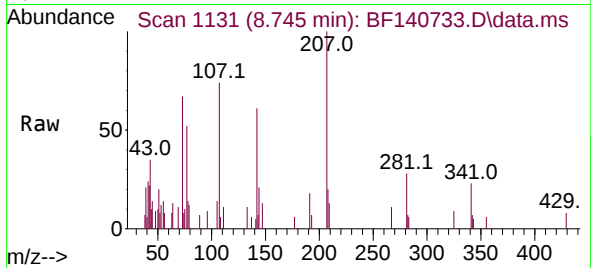
Tgt Ion:107 Resp: 7998

Ion Ratio Lower Upper

107 100

144 28.8 18.7 28.1#

142 83.2 58.3 87.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF140733.D

Acq: 04 Dec 2024 18:12

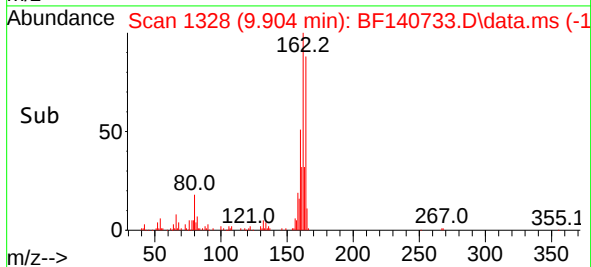
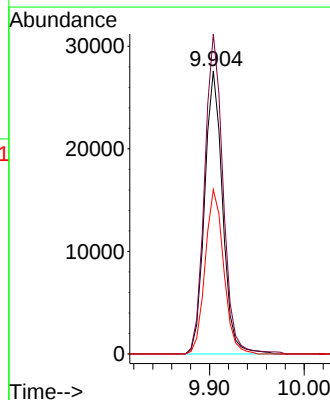
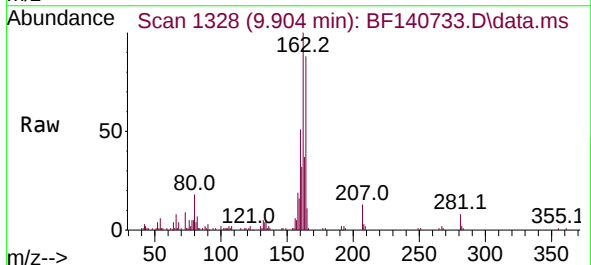
Tgt Ion:164 Resp: 36372

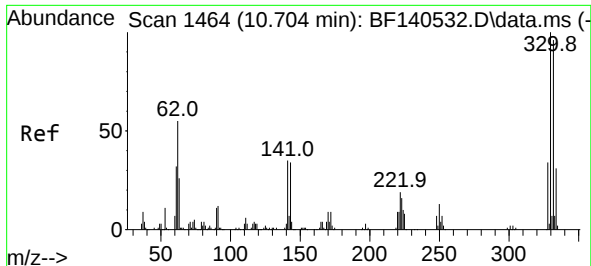
Ion Ratio Lower Upper

164 100

162 113.0 80.6 120.8

160 58.0 36.2 54.4#

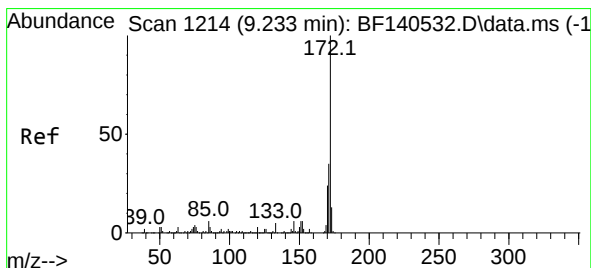
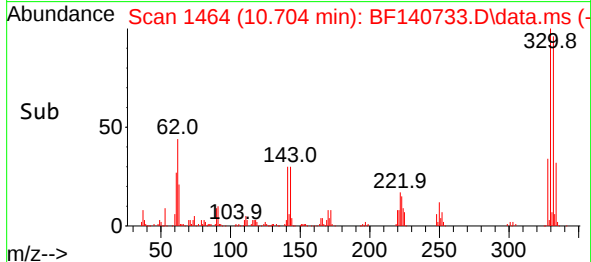
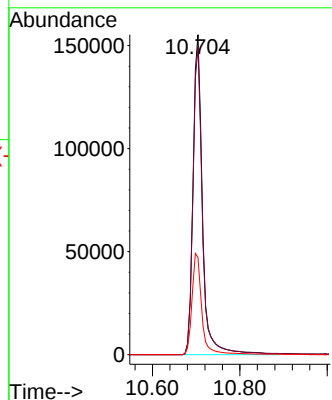
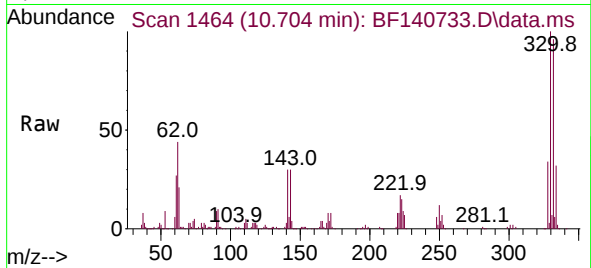




#42
2,4,6-Tribromophenol
Concen: 604.854 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BF140733.D
Acq: 04 Dec 2024 18:12

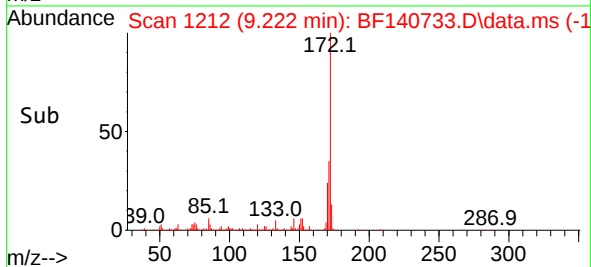
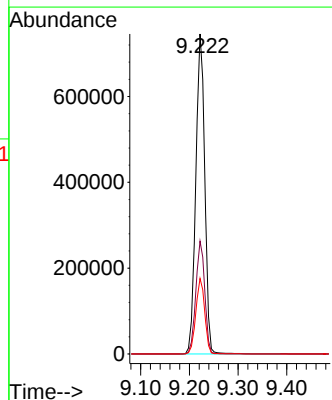
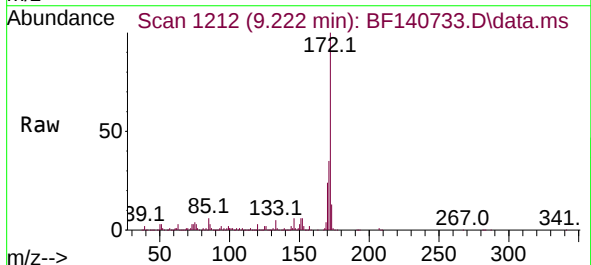
Instrument :
BNA_F
ClientSampleId :
OR-640-COMP-63

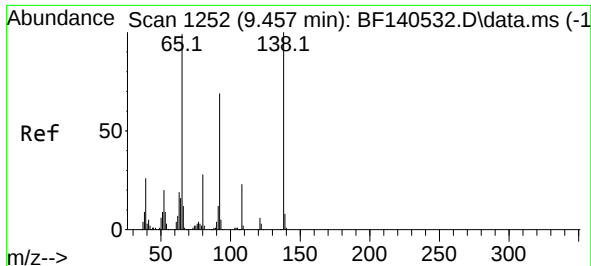
Tgt Ion:330 Resp: 235289
Ion Ratio Lower Upper
330 100
332 97.2 76.9 115.3
141 33.0 26.7 40.1



#45
2-Fluorobiphenyl
Concen: 394.906 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140733.D
Acq: 04 Dec 2024 18:12

Tgt Ion:172 Resp: 964031
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.6 19.0 28.6

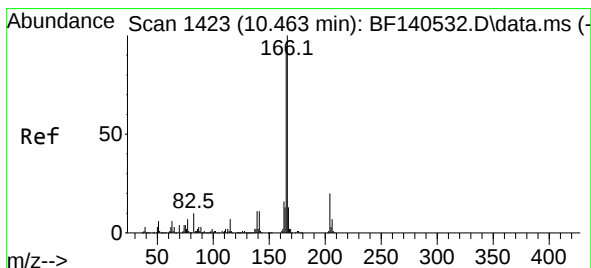
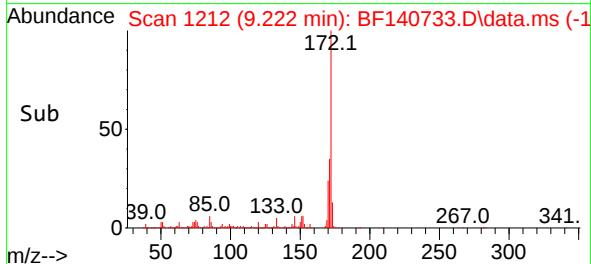
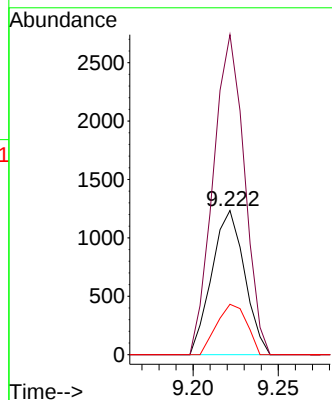
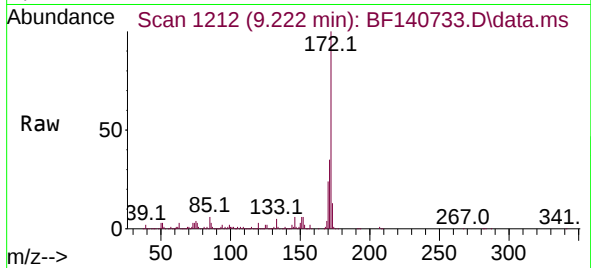




#48
2-Nitroaniline
Concen: 2.506 ng
RT: 9.222 min Scan# 11
Delta R.T. -0.235 min
Lab File: BF140733.D
Acq: 04 Dec 2024 18:12

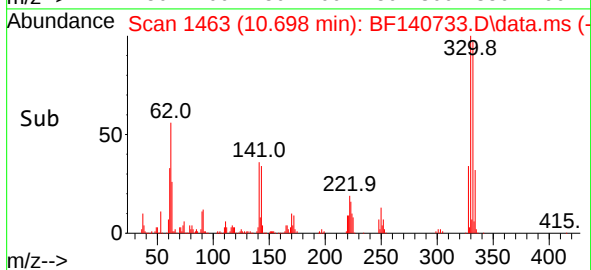
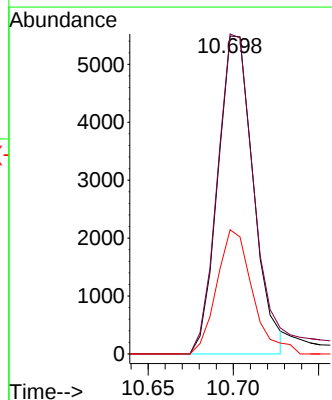
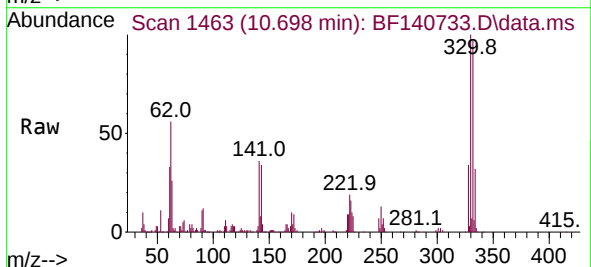
Instrument :
BNA_F
ClientSampleId :
OR-640-COMP-63

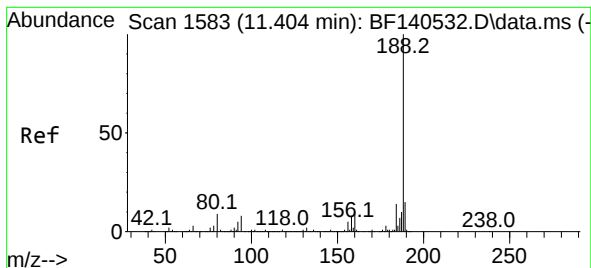
Tgt Ion: 65 Resp: 1655
Ion Ratio Lower Upper
65 100
92 222.0 56.1 84.1#
138 35.0 81.0 121.6#



#58
Fluorene
Concen: 3.287 ng
RT: 10.698 min Scan# 1463
Delta R.T. 0.235 min
Lab File: BF140733.D
Acq: 04 Dec 2024 18:12

Tgt Ion: 166 Resp: 7949
Ion Ratio Lower Upper
166 100
165 100.7 74.6 111.8
167 39.1 10.6 16.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140733.D

Acq: 04 Dec 2024 18:12

Instrument :

BNA_F

ClientSampleId :

OR-640-COMP-63

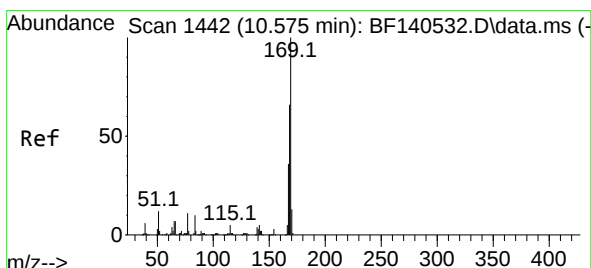
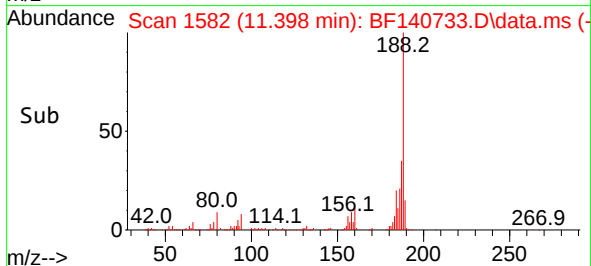
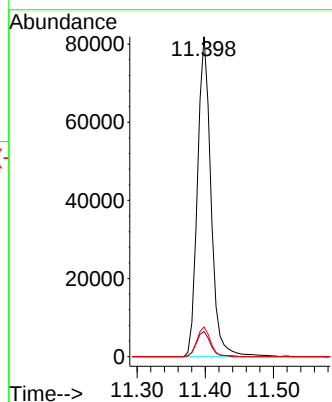
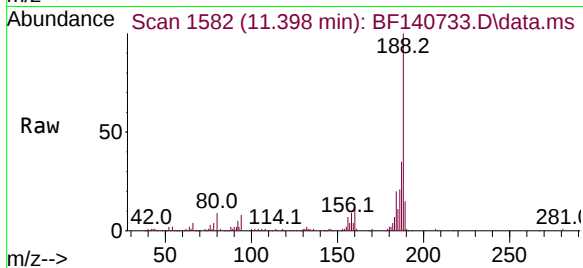
Tgt Ion:188 Resp: 112100

Ion Ratio Lower Upper

188 100

94 7.9 6.4 9.6

80 9.3 6.9 10.3



#66

n-Nitrosodiphenylamine

Concen: 2.150 ng

RT: 10.698 min Scan# 1463

Delta R.T. 0.123 min

Lab File: BF140733.D

Acq: 04 Dec 2024 18:12

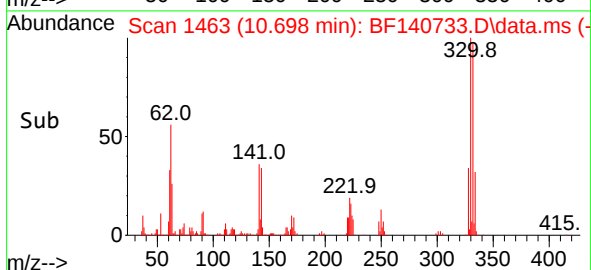
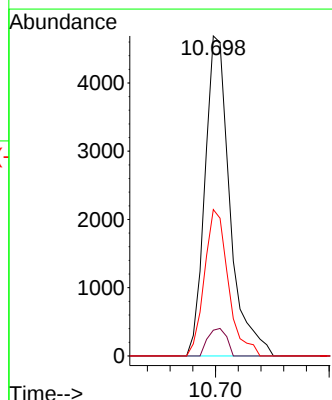
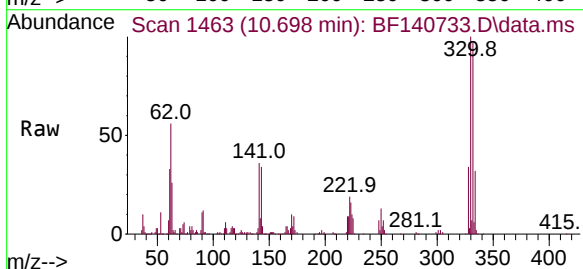
Tgt Ion:169 Resp: 7126

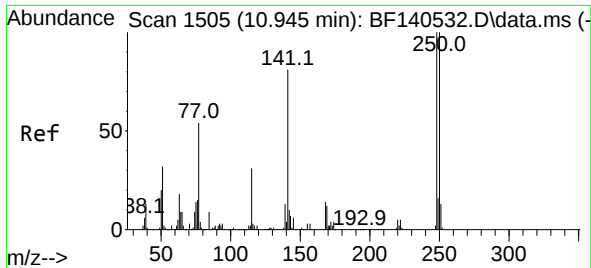
Ion Ratio Lower Upper

169 100

168 8.1 53.2 79.8#

167 45.7 29.0 43.6#

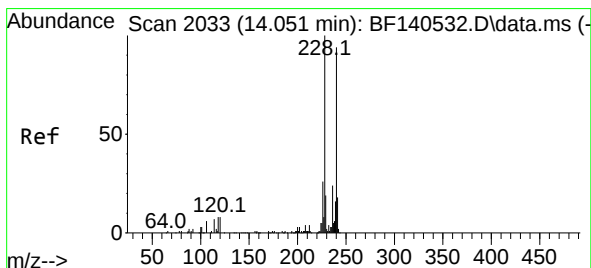
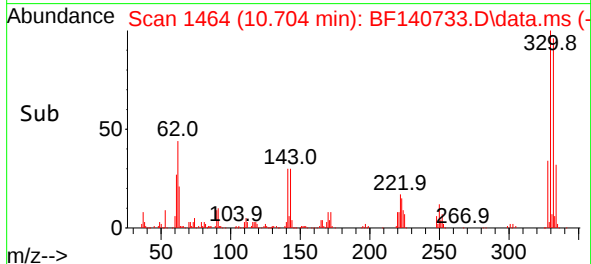
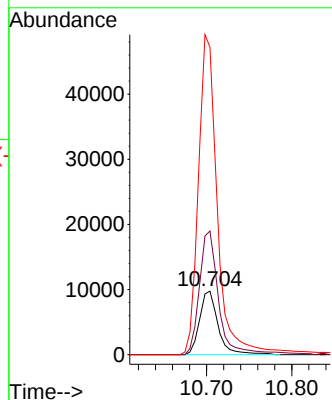
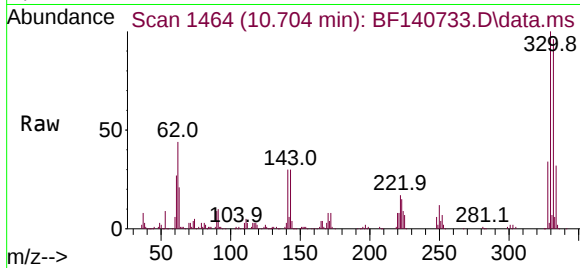




#67
4-Bromophenyl-phenylether
Concen: 12.766 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF140733.D
Acq: 04 Dec 2024 18:12

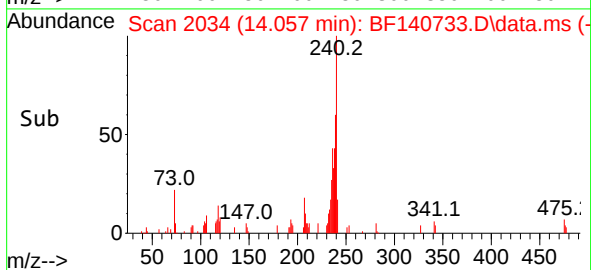
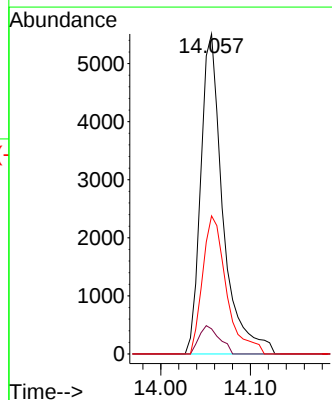
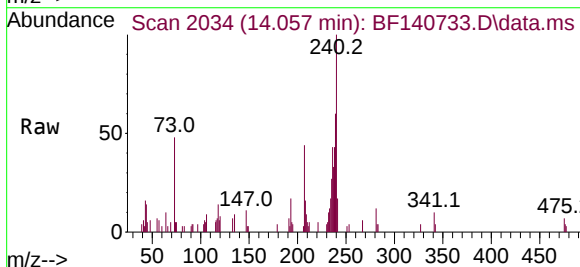
Instrument :
BNA_F
ClientSampleId :
OR-640-COMP-63

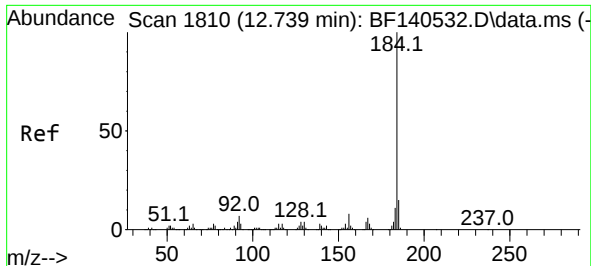
Tgt Ion:248 Resp: 14738
Ion Ratio Lower Upper
248 100
250 194.8 79.8 119.8#
141 484.2 64.7 97.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140733.D
Acq: 04 Dec 2024 18:12

Tgt Ion:240 Resp: 9450
Ion Ratio Lower Upper
240 100
120 7.9 7.3 10.9
236 43.1 20.6 31.0#

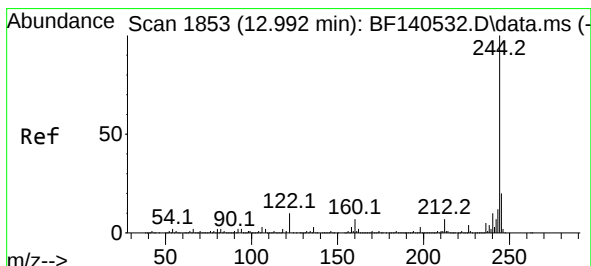
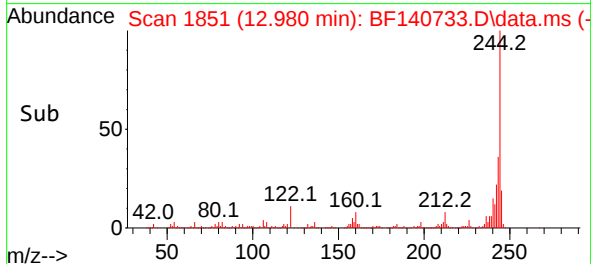
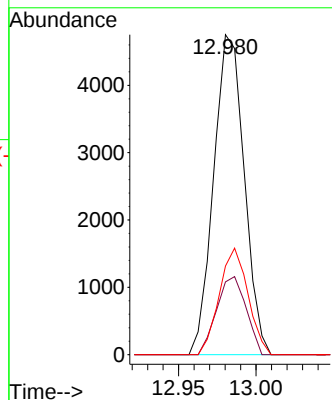
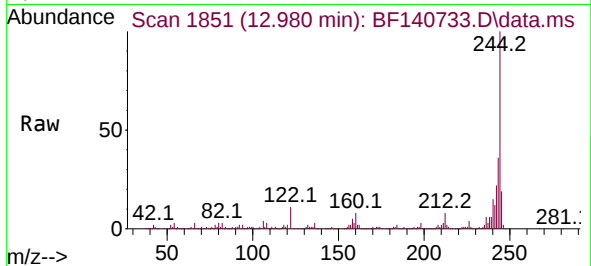




#77
Benzidine
Concen: 23.690 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.241 min
Lab File: BF140733.D
Acq: 04 Dec 2024 18:12

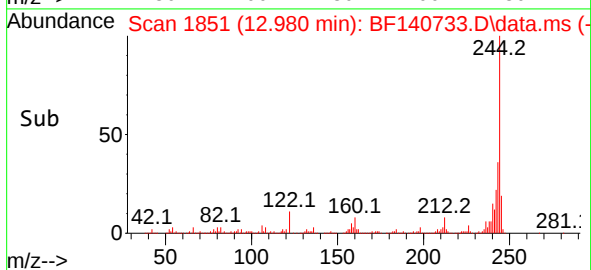
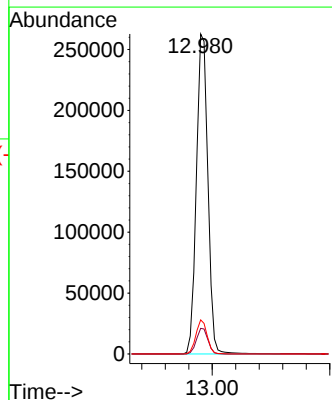
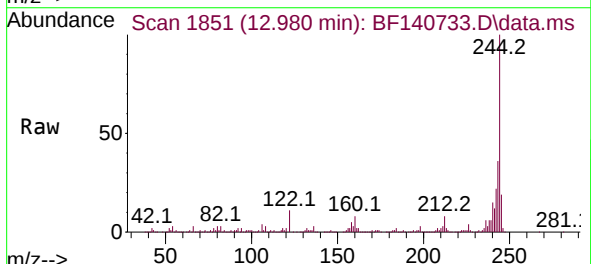
Instrument :
BNA_F
ClientSampleId :
OR-640-COMP-63

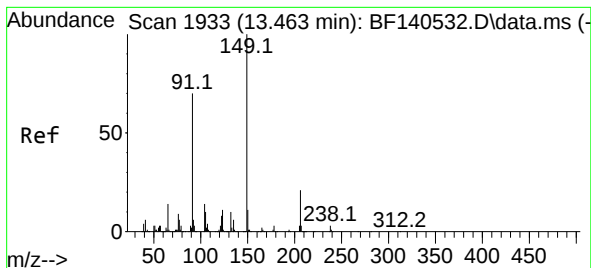
Tgt Ion:184 Resp: 6509
Ion Ratio Lower Upper
184 100
185 22.8 11.7 17.5#
183 27.7 8.8 13.2#



#79
Terphenyl-d14
Concen: 588.037 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF140733.D
Acq: 04 Dec 2024 18:12

Tgt Ion:244 Resp: 356871
Ion Ratio Lower Upper
244 100
212 8.0 5.8 8.8
122 10.7 8.0 12.0





#80

Butylbenzylphthalate

Concen: 2.154 ng

RT: 13.451 min Scan# 1933

Delta R.T. -0.012 min

Lab File: BF140733.D

Acq: 04 Dec 2024 18:12

Instrument :

BNA_F

ClientSampleId :

OR-640-COMP-63

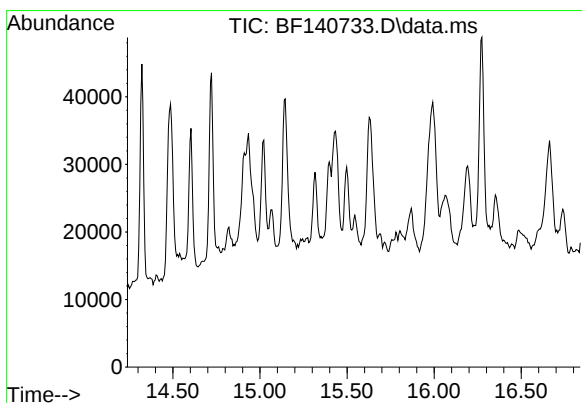
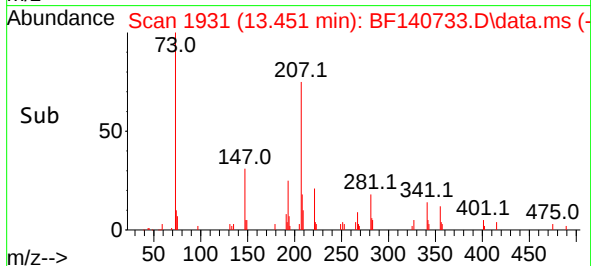
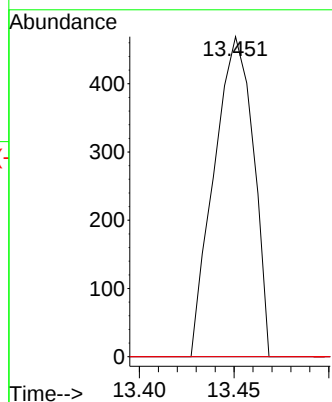
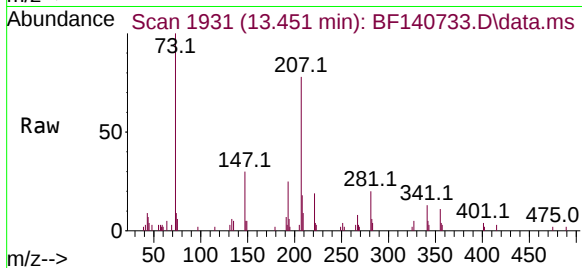
Tgt Ion:149 Resp: 678

Ion Ratio Lower Upper

149 100

91 0.0 56.2 84.2#

206 0.0 16.4 24.6#



#86

Perylene-d12

Concen: 0.000 ng

Expected RT: 15.54 min

Lab File: BF140733.D

Acq: 04 Dec 2024 18:12

Tgt Ion: 264

Sig Exp Ratio

264 100

260 23.8

265 20.8

