

Data Path : Z:\HPCHEM1\BNA F\Data\BF051016\
 Data File : BF086887.D
 Acq On : 11 May 2016 8:04
 Operator : UM/SJ
 Sample : H2964-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1

Quant Time: May 11 11:06:25 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

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

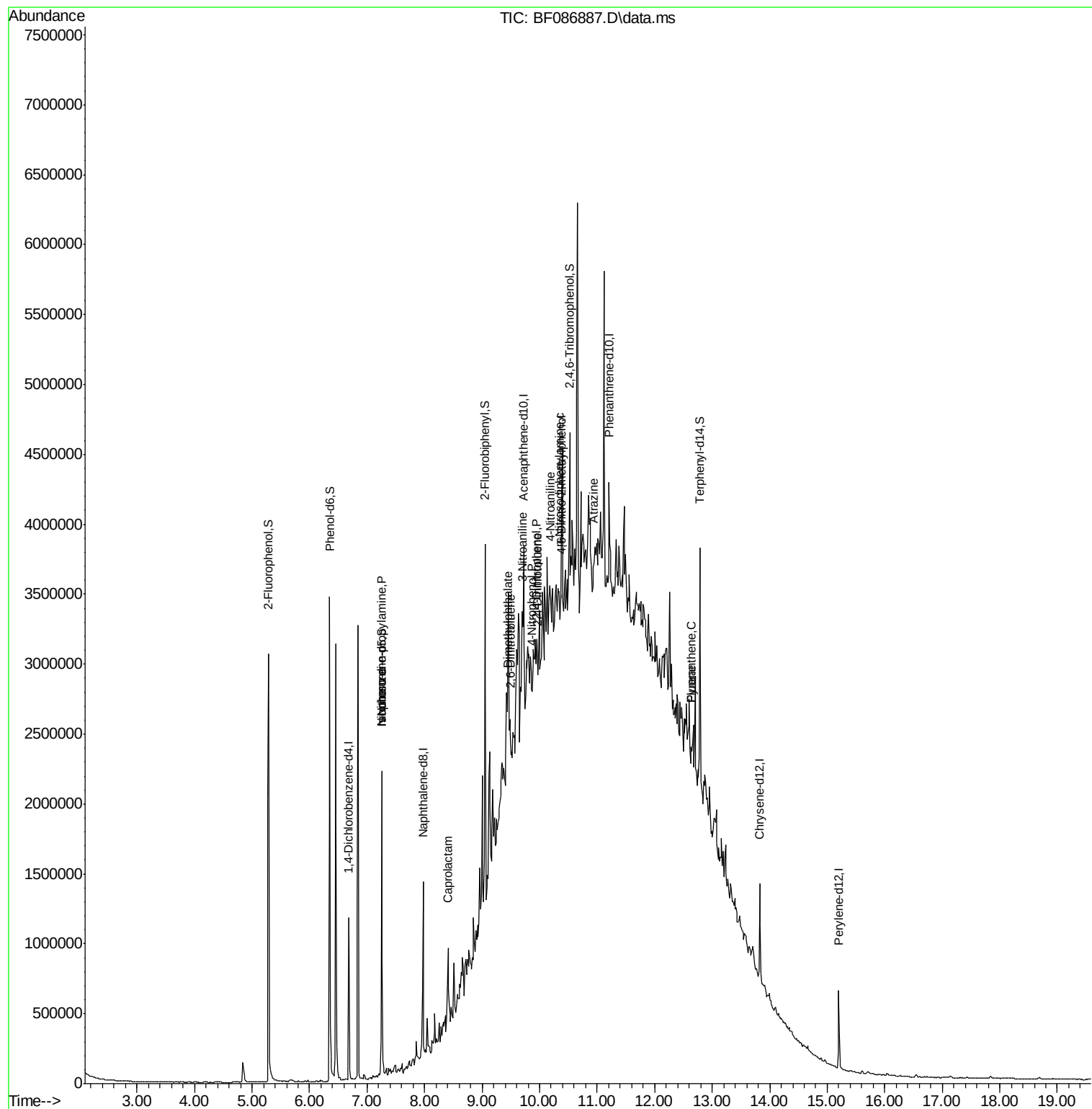
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.681	152	151697	20.00	ng	-0.01
21) Naphthalene-d8	7.973	136	564345	20.00	ng	-0.01
38) Acenaphthene-d10	9.722	164	185742	20.00	ng	-0.01
63) Phenanthrene-d10	11.208	188	286803	20.00	ng	0.00
75) Chrysene-d12	13.825	240	273568	20.00	ng	-0.01
86) Perylene-d12	15.197	264	240803	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	1006109	112.32	ng	0.00
7) Phenol-d6	6.350	99	1308946	109.34	ng	-0.01
23) Nitrobenzene-d5	7.253	82	740117	65.85	ng	-0.01
41) 2,4,6-Tribromophenol	10.522	330	211533	107.57	ng	0.00
44) 2-Fluorobiphenyl	9.047	172	1074582	97.23	ng	-0.01
78) Terphenyl-d14	12.785	244	701768	54.43	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.253	70	110416	13.20	ng	# 70
25) Isophorone	7.253	82	665969	31.94	ng	# 69
35) Caprolactam	8.407	113	12063	4.65	ng	# 1
49) Dimethylphthalate	9.447	163	107969	7.62	ng	# 90
50) 2,6-Dinitrotoluene	9.493	165	16457	5.52	ng	# 32
52) 3-Nitroaniline	9.710	138	16474	5.25	ng	# 31
53) 2,4-Dinitrophenol	9.939	184	1455	8.55	ng	# 1
55) 4-Nitrophenol	9.859	139	6890	7.66	ng	# 1
56) 2,4-Dinitrotoluene	9.962	165	20112	5.45	ng	# 35
60) 4-Chlorophenyl-phenyle...	10.282	204	2329	Below Cal		# 1
61) 4-Nitroaniline	10.179	138	9279	3.08	ng	# 81
64) 4,6-Dinitro-2-methylph...	10.373	198	4067	2.28	ng	# 1
65) n-Nitrosodiphenylamine	10.339	169	95090	10.79	ng	# 91
68) Atrazine	10.933	200	6448	2.19	ng	# 1
74) Fluoranthene	12.636	202	143663	9.13	ng	# 90
77) Pyrene	12.636	202	160546	7.67	ng	# 93

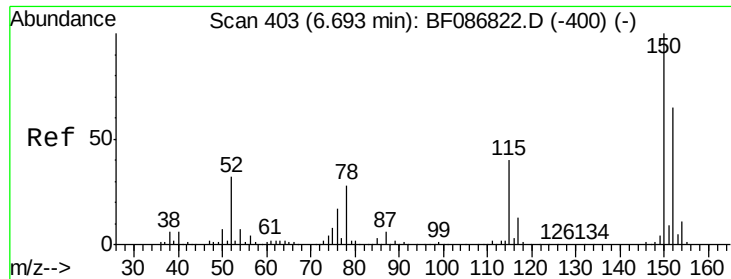
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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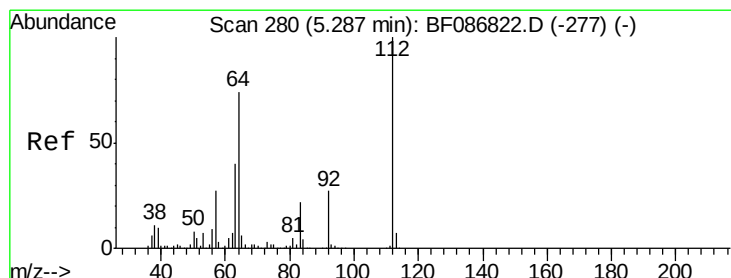
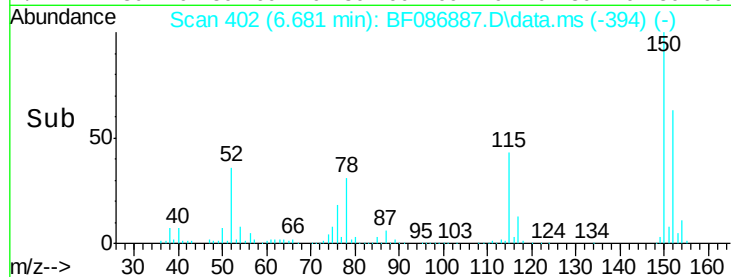
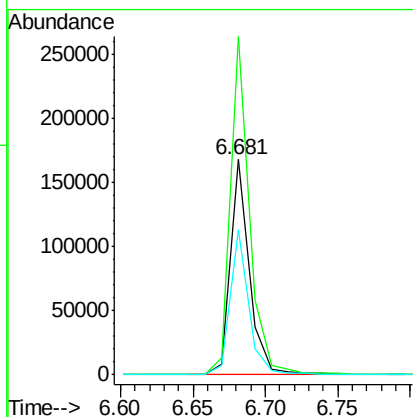
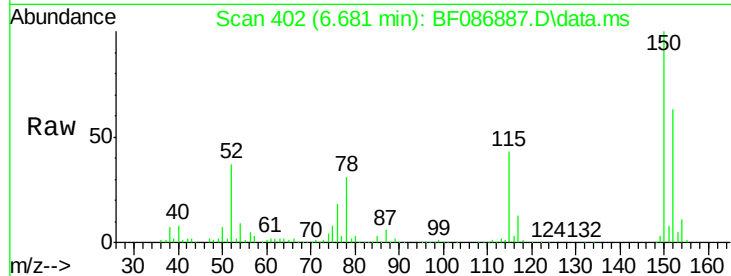




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.681 min Scan# 40
 Delta R.T. -0.012 min
 Lab File: BF086887.D
 Acq: 11 May 2016 8:04

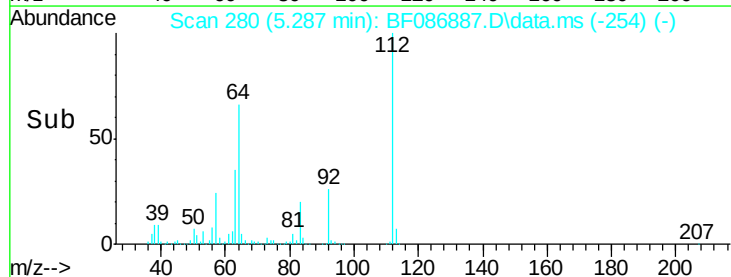
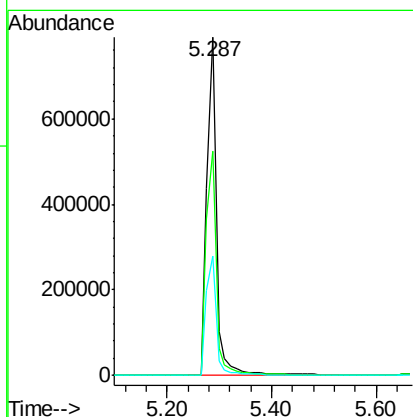
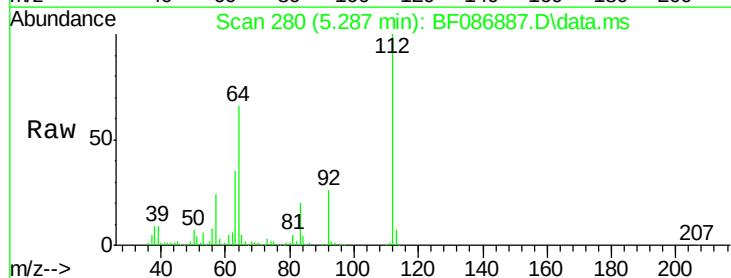
Instrument :
 BNA_F
 ClientSampleId :
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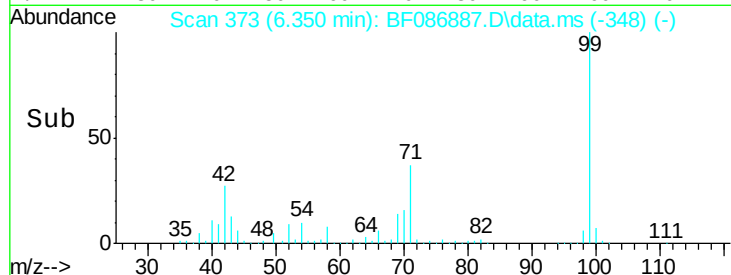
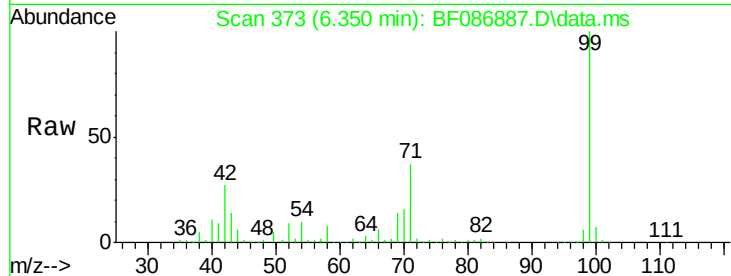
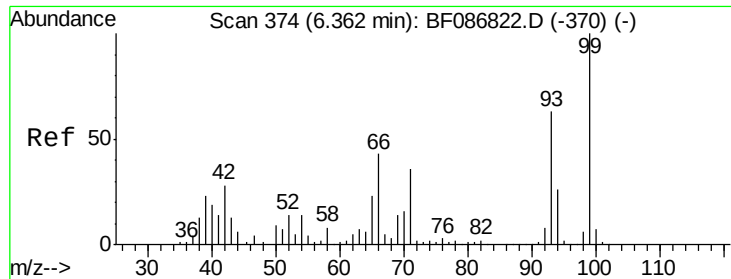
Tot Ion:152 Resp: 151697
 Ion Ratio Lower Upper
 152 100
 150 157.5 125.8 188.6
 115 67.6 51.5 77.3



#5
 2-Fluorophenol
 Concen: 112.32 ng
 RT: 5.287 min Scan# 280
 Delta R.T. 0.000 min
 Lab File: BF086887.D
 Acq: 11 May 2016 8:04

Tgt Ion:112 Resp: 1006109
 Ion Ratio Lower Upper
 112 100
 64 66.2 52.1 78.1
 63 35.4 25.7 38.5





#7

Phenol-d6

Concen: 109.34 ng

RT: 6.350 min Scan# 37

Delta R.T. -0.012 min

Lab File: BF086887.D

Acq: 11 May 2016 8:04

Instrument :

BNA_F

ClientSampled :

1

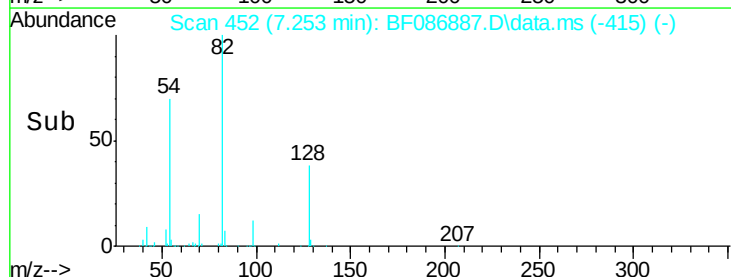
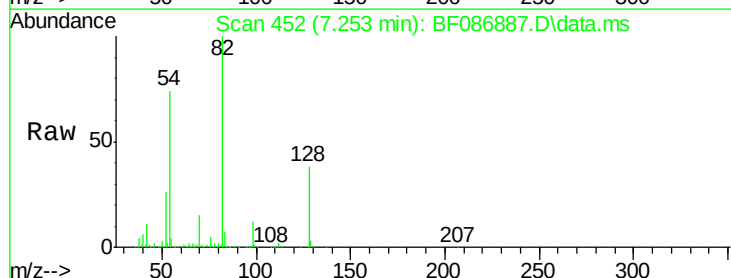
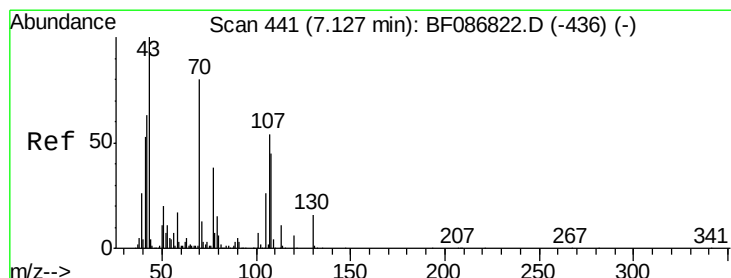
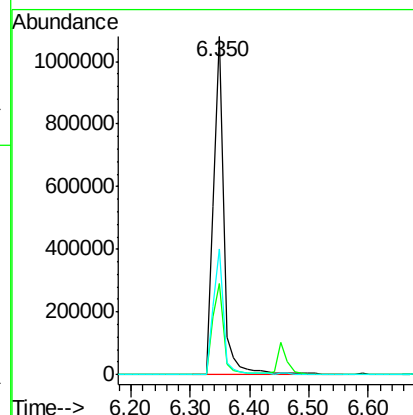
Tot Ion: 99 Resp: 1308946

Ion Ratio Lower Upper

99 100

42 27.0 13.6 20.4#

71 37.2 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 13.20 ng

RT: 7.253 min Scan# 452

Delta R.T. 0.126 min

Lab File: BF086887.D

Acq: 11 May 2016 8:04

Tgt Ion: 70 Resp: 110416

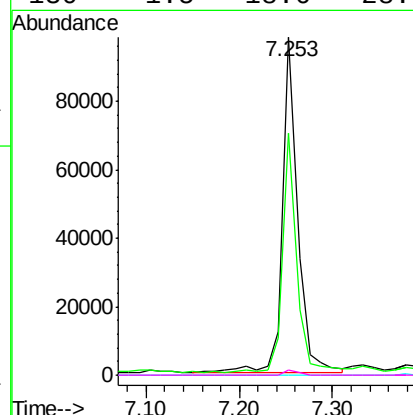
Ion Ratio Lower Upper

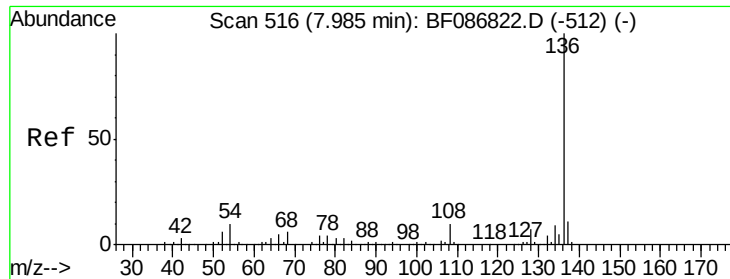
70 100

42 71.5 43.1 64.7#

101 0.0 8.1 12.1#

130 1.5 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.973 min Scan# 51

Delta R.T. -0.012 min

Lab File: BF086887.D

Acq: 11 May 2016 8:04

Instrument :

BNA_F

ClientSampleId :

1

Tot Ion:136 Resp: 564345

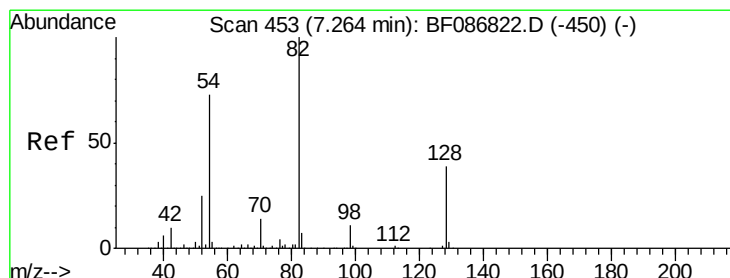
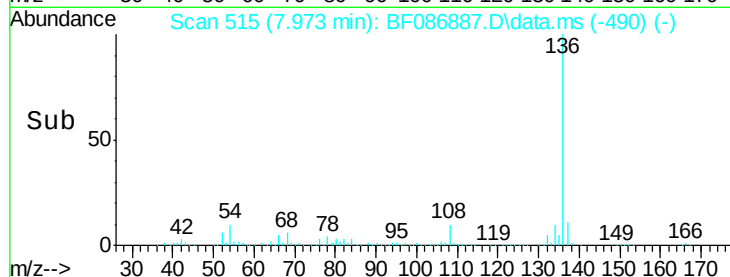
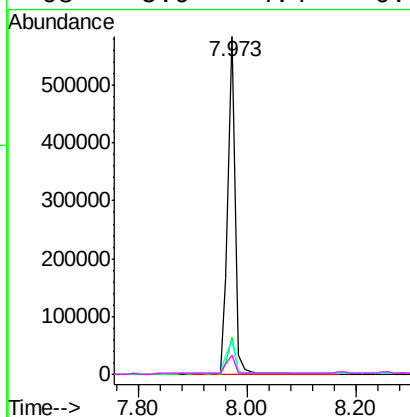
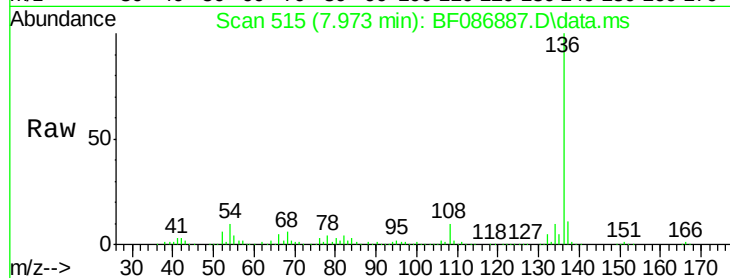
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 9.9 5.0 7.4#

68 5.9 4.4 6.6



#23

Nitrobenzene-d5

Concen: 65.85 ng

RT: 7.253 min Scan# 452

Delta R.T. -0.012 min

Lab File: BF086887.D

Acq: 11 May 2016 8:04

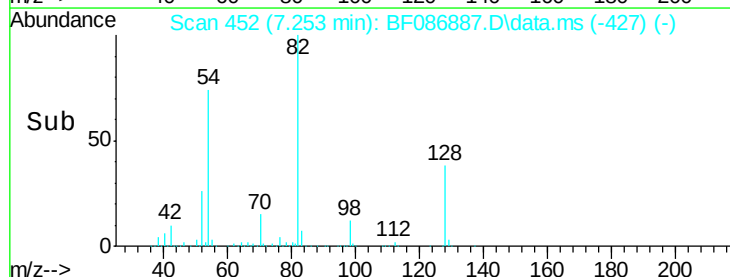
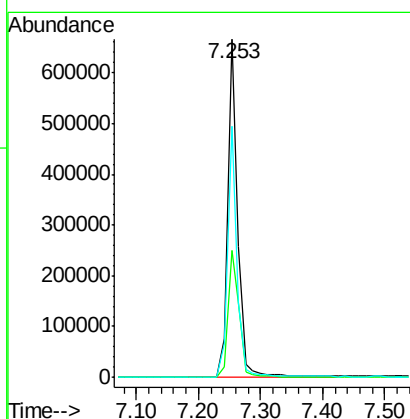
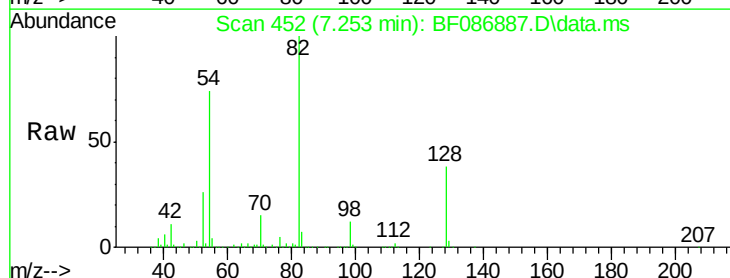
Tgt Ion: 82 Resp: 740117

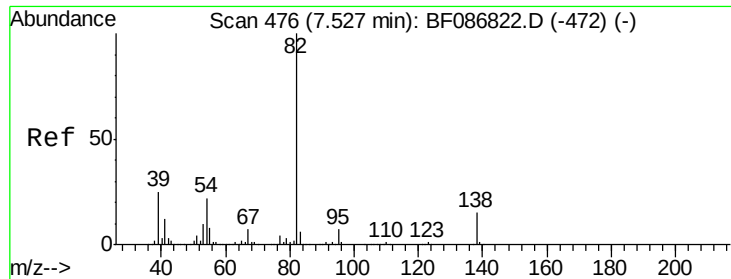
Ion Ratio Lower Upper

82 100

128 37.5 40.6 61.0#

54 74.3 38.1 57.1#

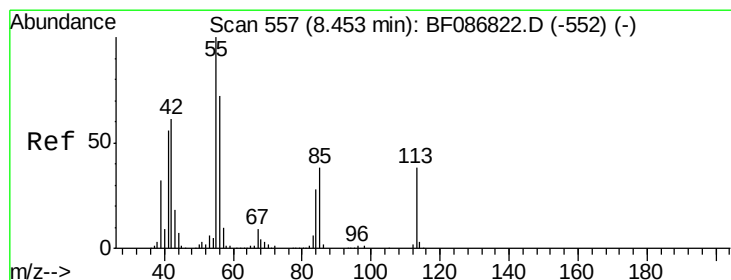
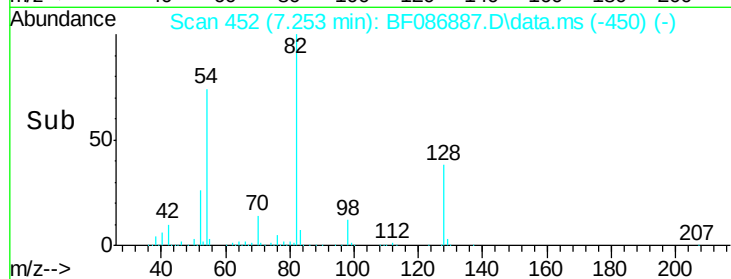
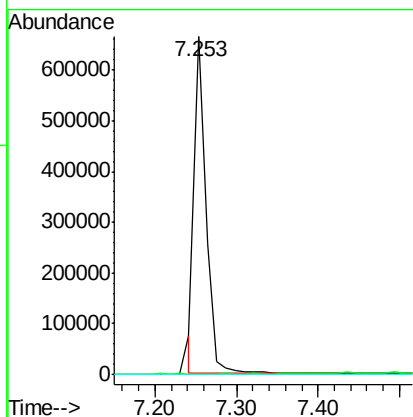
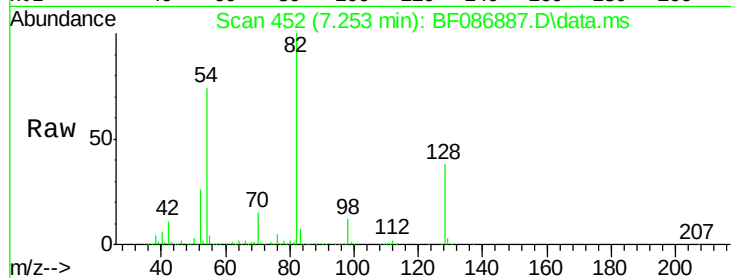




#25
Isophorone
Concen: 31.94 ng
RT: 7.253 min Scan# 45
Delta R.T. -0.274 min
Lab File: BF086887.D
Acq: 11 May 2016 8:04

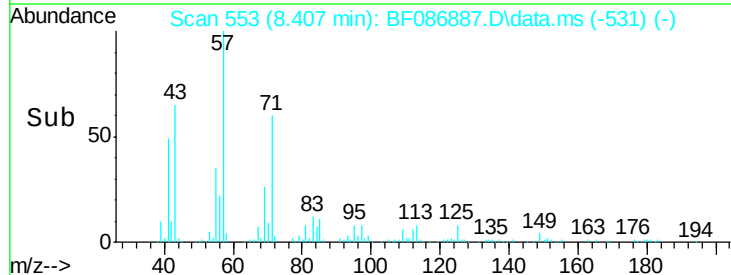
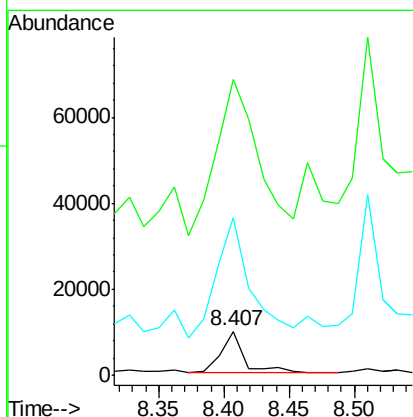
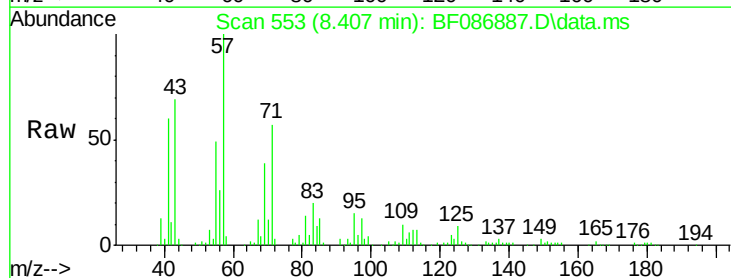
Instrument :
BNA_F
ClientSampleId :
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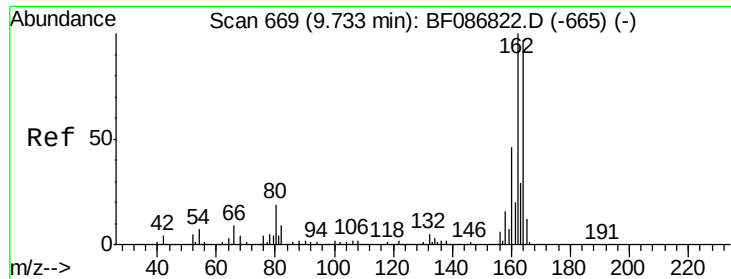
Tot Ion: 82 Resp: 665969
Ion Ratio Lower Upper
82 100
95 0.2 5.1 7.7#
138 0.0 12.4 18.6#



#35
Caprolactam
Concen: 4.65 ng
RT: 8.407 min Scan# 553
Delta R.T. -0.046 min
Lab File: BF086887.D
Acq: 11 May 2016 8:04

Tgt Ion: 113 Resp: 12063
Ion Ratio Lower Upper
113 100
55 679.0 162.0 202.0#
56 361.9 115.3 155.3#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.722 min Scan# 66

Delta R.T. -0.012 min

Lab File: BF086887.D

Acq: 11 May 2016 8:04

Instrument :

BNA_F

ClientSampleId :

1

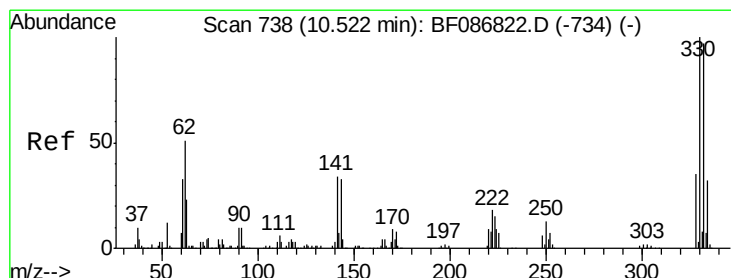
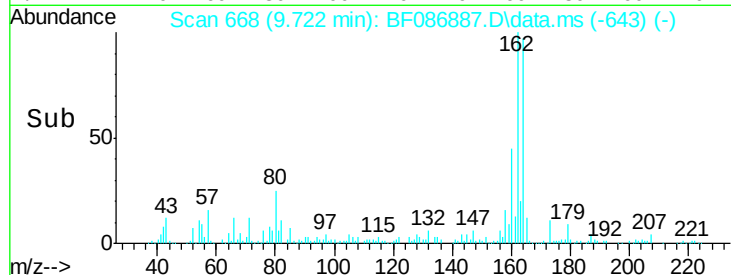
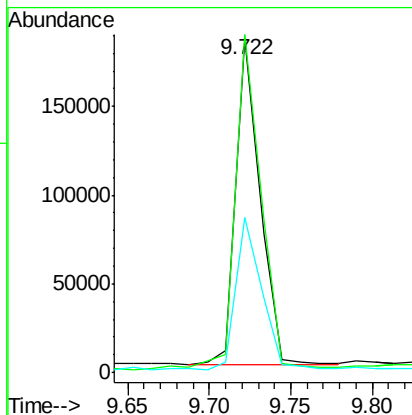
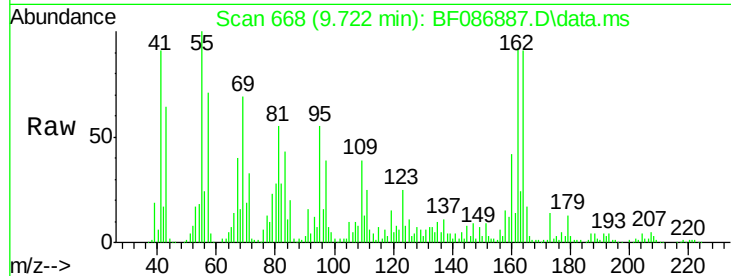
Tot Ion:164 Resp: 185742

Ion Ratio Lower Upper

164 100

162 101.1 82.8 124.2

160 46.2 36.9 55.3



#41

2,4,6-Tribromophenol

Concen: 107.57 ng

RT: 10.522 min Scan# 738

Delta R.T. -0.000 min

Lab File: BF086887.D

Acq: 11 May 2016 8:04

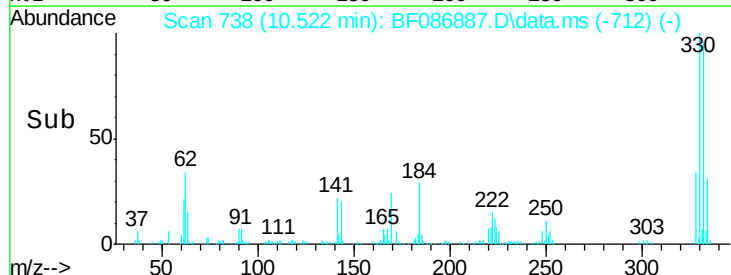
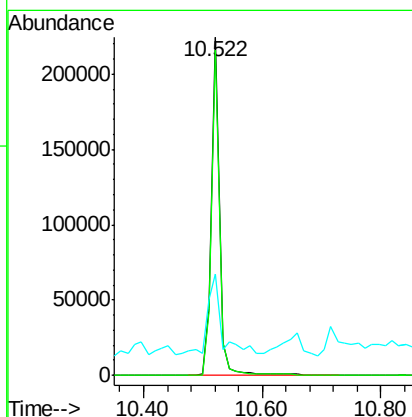
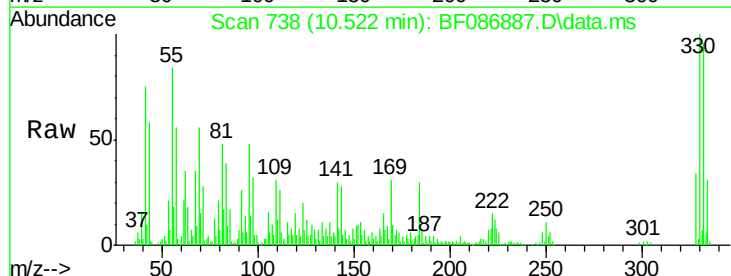
Tgt Ion:330 Resp: 211533

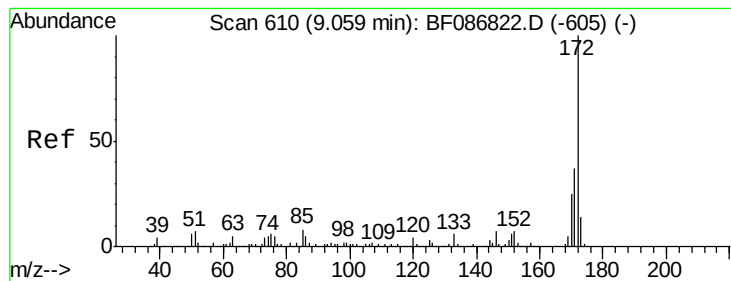
Ion Ratio Lower Upper

330 100

332 96.4 79.0 118.4

141 38.9 31.2 46.8





#44

2-Fluorobiphenyl

Concen: 97.23 ng

RT: 9.047 min Scan# 60

Delta R.T. -0.012 min

Lab File: BF086887.D

Acq: 11 May 2016 8:04

Instrument :

BNA_F

ClientSampleId :

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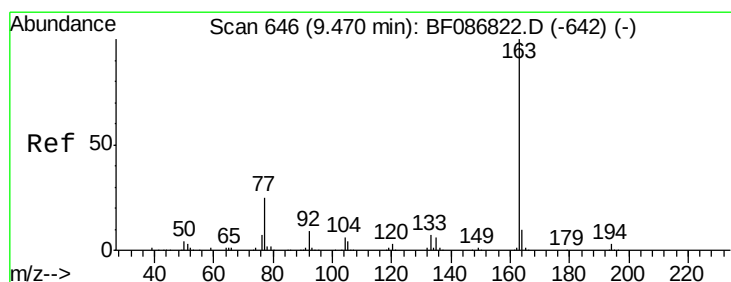
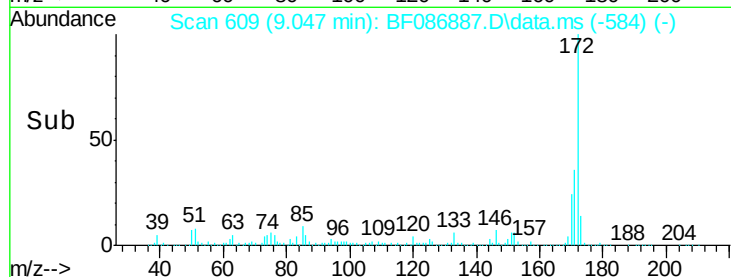
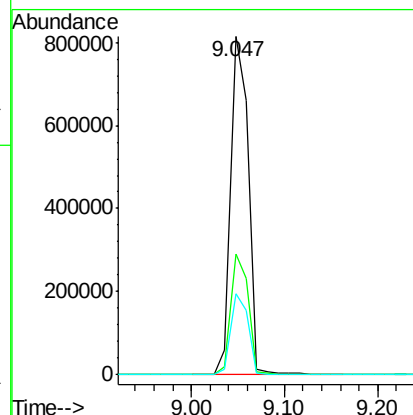
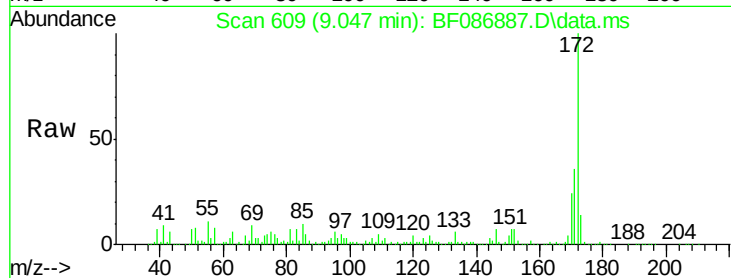
Tot Ion:172 Resp: 1074582

Ion Ratio Lower Upper

172 100

171 35.6 29.0 43.6

170 23.7 19.8 29.8



#49

Dimethylphthalate

Concen: 7.62 ng

RT: 9.447 min Scan# 644

Delta R.T. -0.023 min

Lab File: BF086887.D

Acq: 11 May 2016 8:04

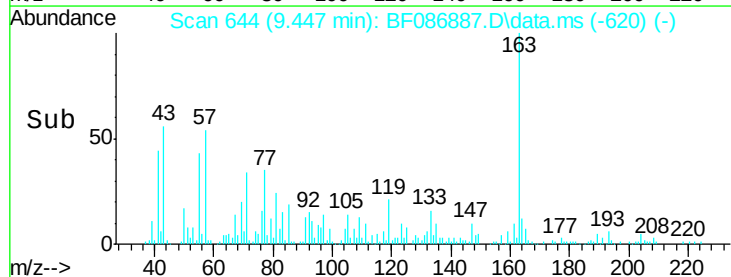
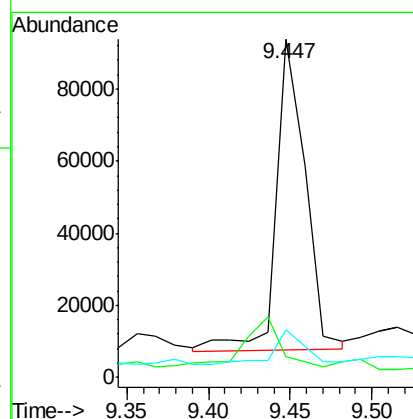
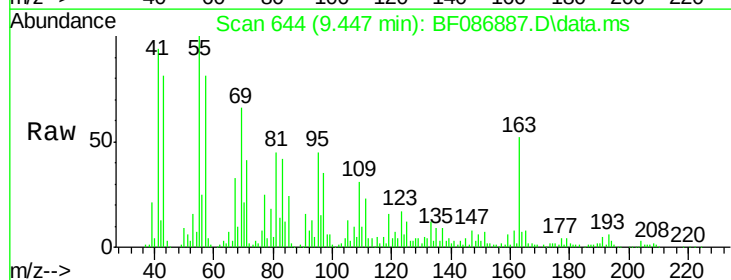
Tgt Ion:163 Resp: 107969

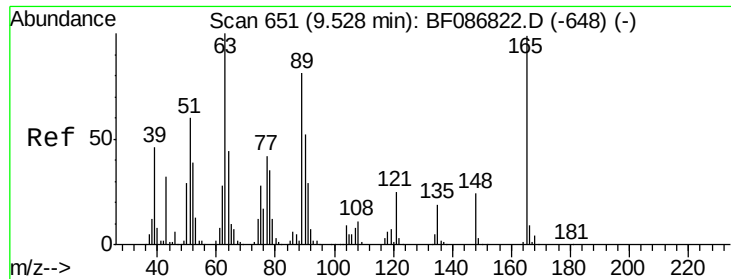
Ion Ratio Lower Upper

163 100

194 6.0 2.6 4.0#

164 14.1 8.2 12.4#

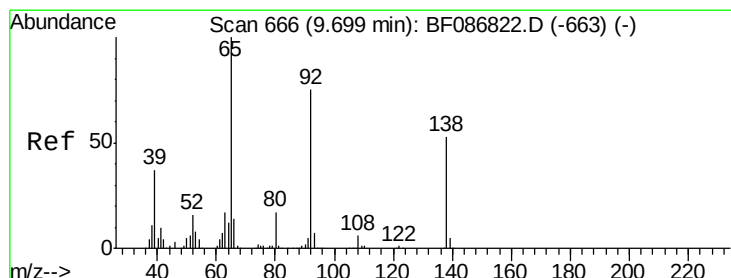
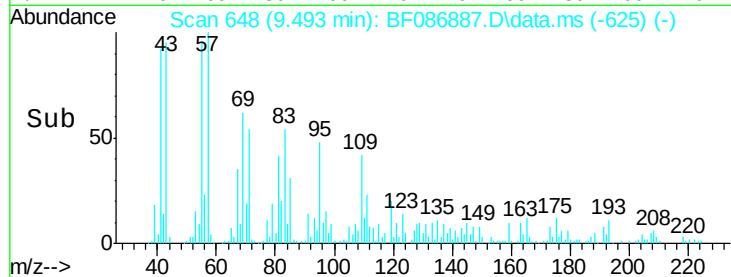
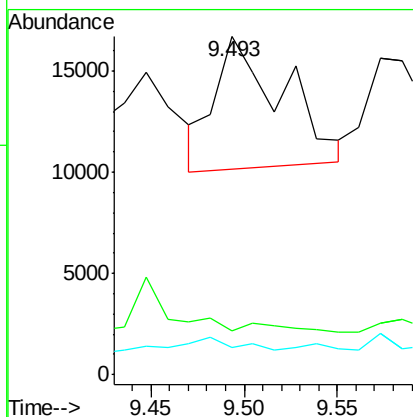
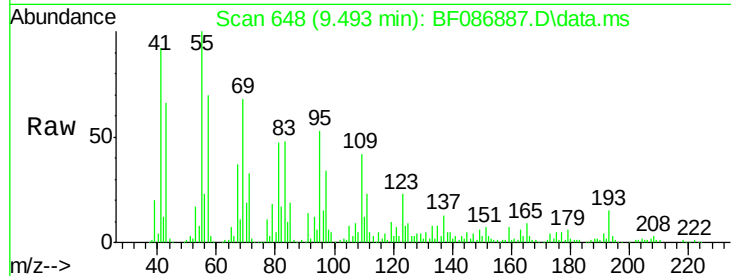




#50
 2,6-Dinitrotoluene
 Concen: 5.52 ng
 RT: 9.493 min Scan# 647
 Delta R.T. -0.034 min
 Lab File: BF086887.D
 Acq: 11 May 2016 8:04

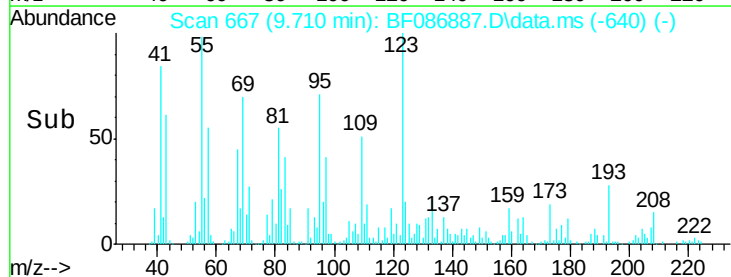
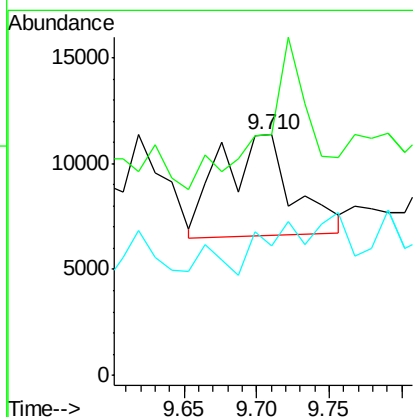
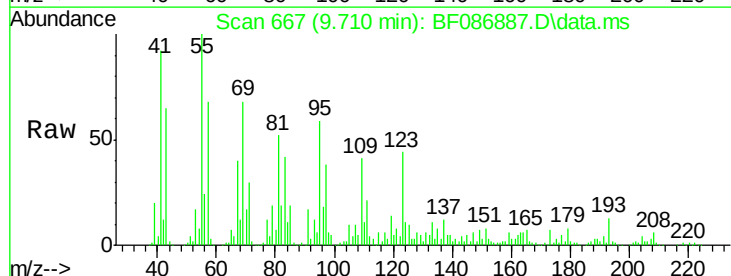
Instrument :
 BNA_F
 ClientSampled :
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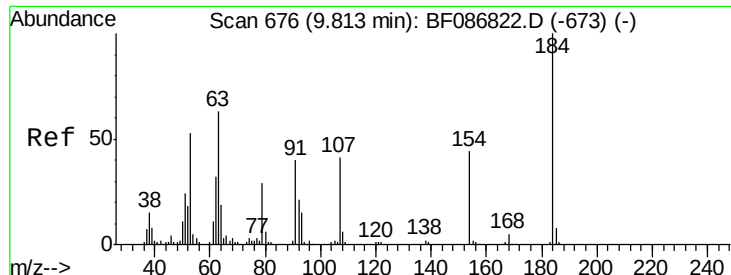
Tot Ion:165 Resp: 16457
 Ion Ratio Lower Upper
 165 100
 63 12.9 51.8 77.8#
 89 8.1 50.7 76.1#



#52
 3-Nitroaniline
 Concen: 5.25 ng
 RT: 9.710 min Scan# 667
 Delta R.T. 0.011 min
 Lab File: BF086887.D
 Acq: 11 May 2016 8:04

Tgt Ion:138 Resp: 16474
 Ion Ratio Lower Upper
 138 100
 108 100.1 7.8 11.6#
 92 53.8 87.8 131.8#

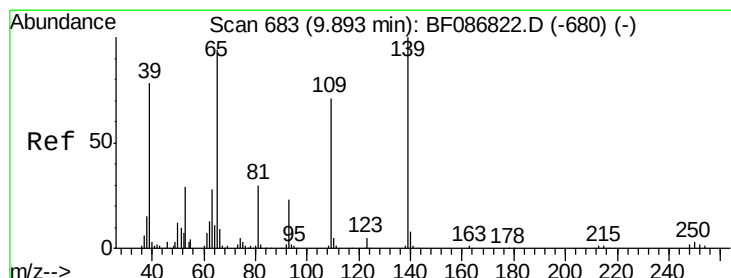
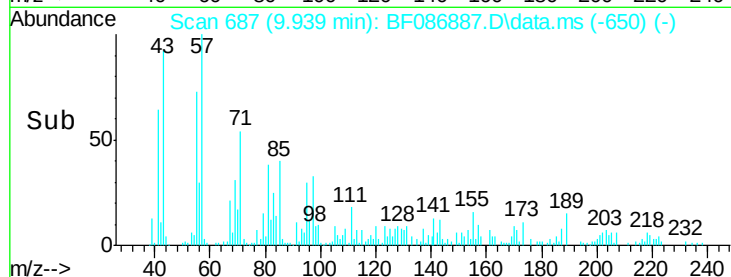
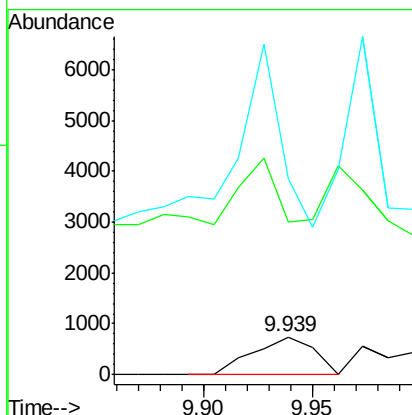
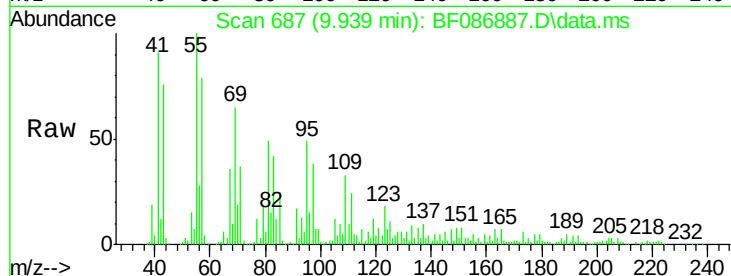




#53
2,4-Dinitrophenol
Concen: 8.55 ng
RT: 9.939 min Scan# 68
Delta R.T. 0.126 min
Lab File: BF086887.D
Acq: 11 May 2016 8:04

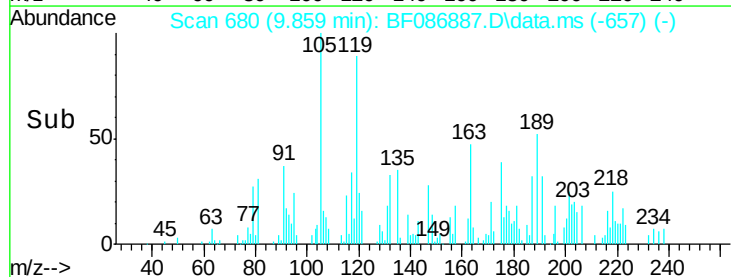
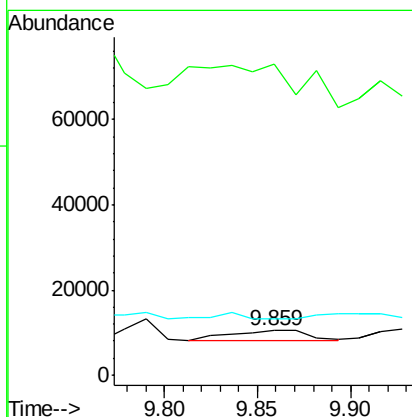
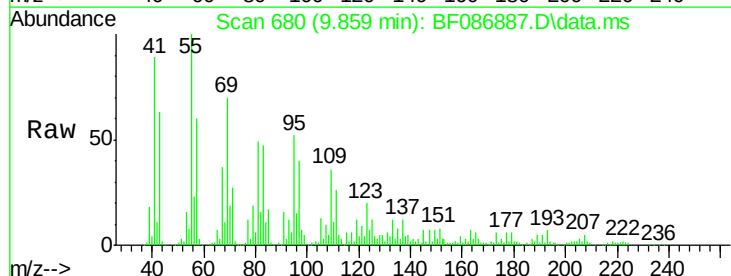
Instrument :
BNA_F
ClientSampleId :
1

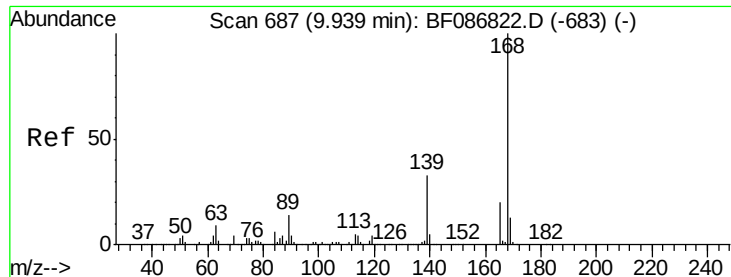
Tot Ion:184 Resp: 1455
Ion Ratio Lower Upper
184 100
63 408.0 55.8 83.8#
154 521.2 62.4 93.6#



#55
4-Nitrophenol
Concen: 7.66 ng
RT: 9.859 min Scan# 680
Delta R.T. -0.034 min
Lab File: BF086887.D
Acq: 11 May 2016 8:04

Tgt Ion:139 Resp: 6890
Ion Ratio Lower Upper
139 100
109 700.9 36.9 76.9#
65 127.2 64.0 104.0#

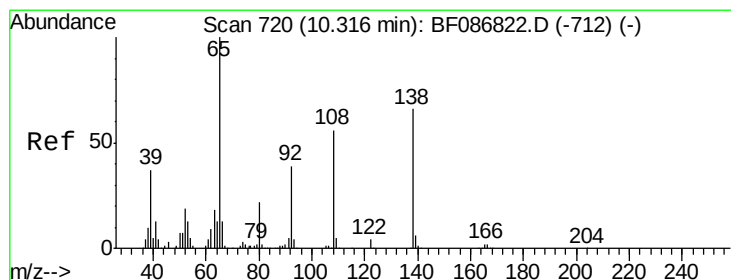
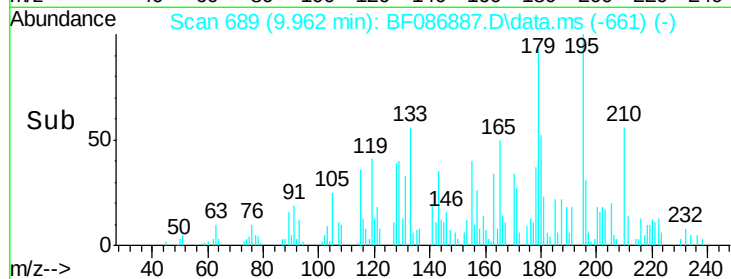
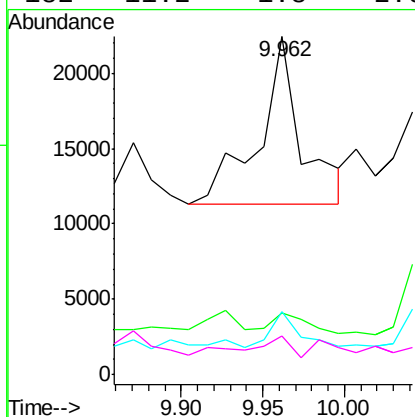
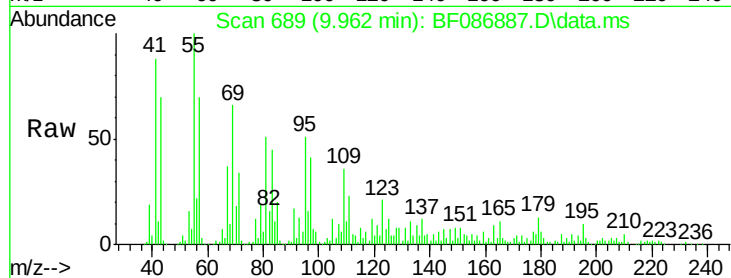




#56
 2,4-Dinitrotoluene
 Concen: 5.45 ng
 RT: 9.962 min Scan# 68
 Delta R.T. 0.023 min
 Lab File: BF086887.D
 Acq: 11 May 2016 8:04

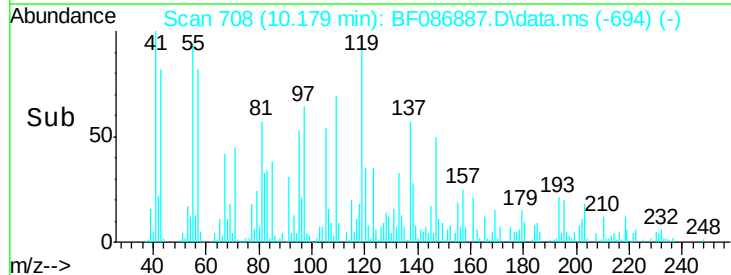
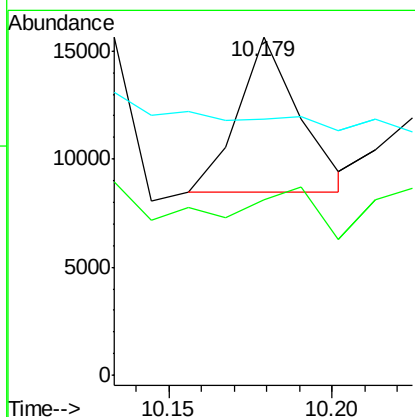
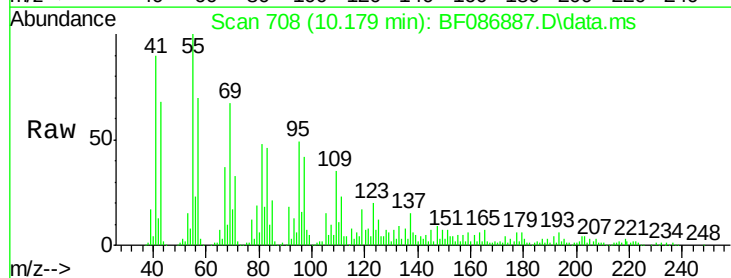
Instrument :
 BNA_F
 ClientSampleId :
 1

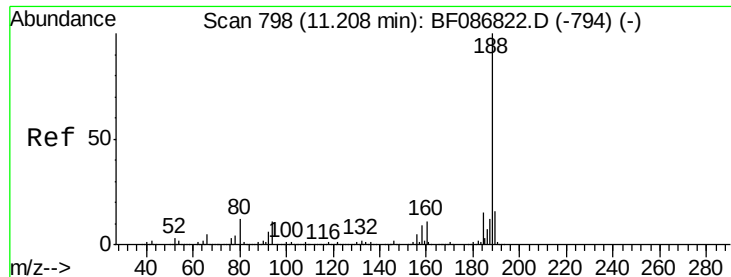
Tot Ion:165 Resp: 20112
 Ion Ratio Lower Upper
 165 100
 63 18.3 44.3 66.5#
 89 18.5 70.0 105.0#
 182 11.2 1.8 2.6#



#61
 4-Nitroaniline
 Concen: 3.08 ng
 RT: 10.179 min Scan# 708
 Delta R.T. -0.137 min
 Lab File: BF086887.D
 Acq: 11 May 2016 8:04

Tgt Ion:138 Resp: 9279
 Ion Ratio Lower Upper
 138 100
 92 51.7 24.7 64.7
 108 76.0 37.4 77.4

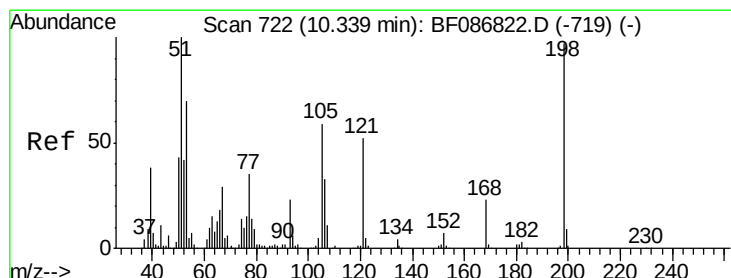
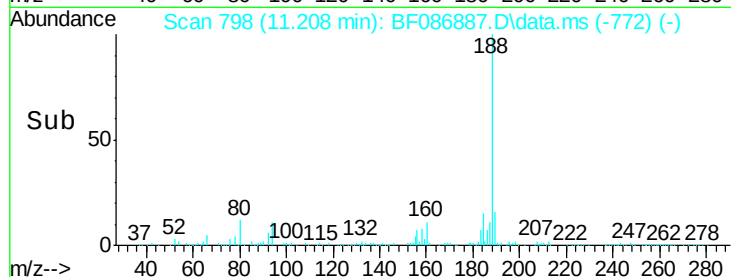
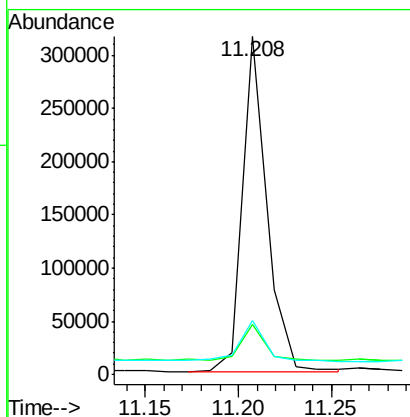
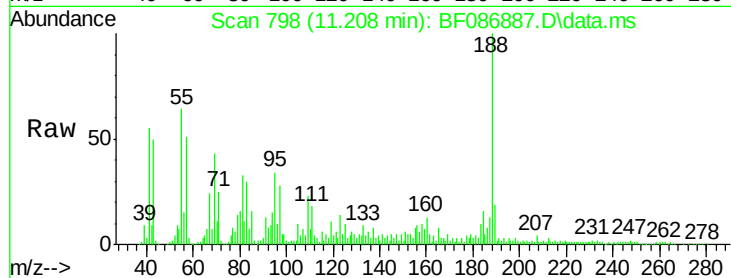




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.208 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF086887.D
Acq: 11 May 2016 8:04

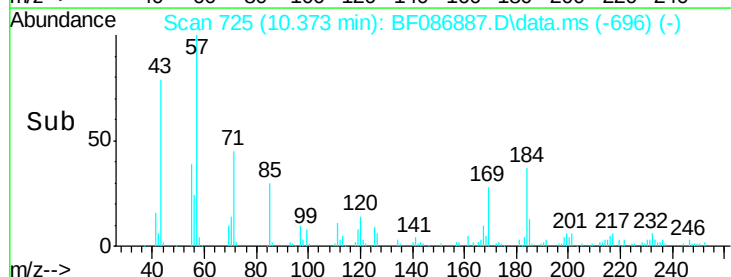
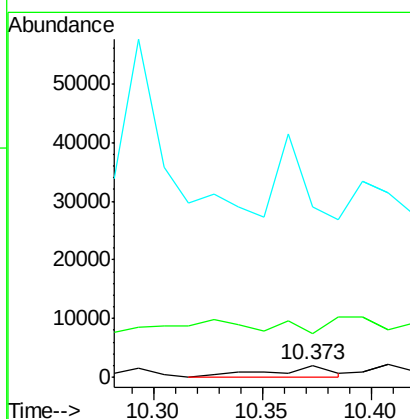
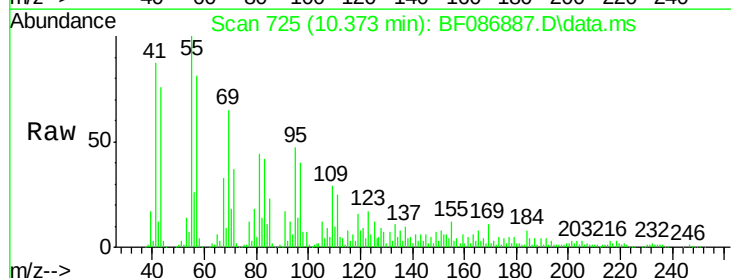
Instrument :
BNA_F
ClientSampleId :
1

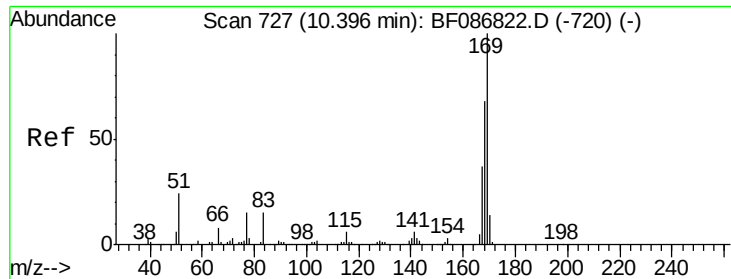
Tot Ion:188 Resp: 286803
Ion Ratio Lower Upper
188 100
94 14.9 6.8 10.2#
80 15.9 7.1 10.7#



#64
4,6-Dinitro-2-methylphenol
Concen: 2.28 ng
RT: 10.373 min Scan# 725
Delta R.T. 0.034 min
Lab File: BF086887.D
Acq: 11 May 2016 8:04

Tgt Ion:198 Resp: 4067
Ion Ratio Lower Upper
198 100
51 355.8 20.5 60.5#
105 1387.2 24.5 64.5#





#65

n-Nitrosodiphenylamine

Concen: 10.79 ng

RT: 10.339 min Scan# 72

Delta R.T. -0.057 min

Lab File: BF086887.D

Acq: 11 May 2016 8:04

Instrument :

BNA_F

ClientSampleId :

1

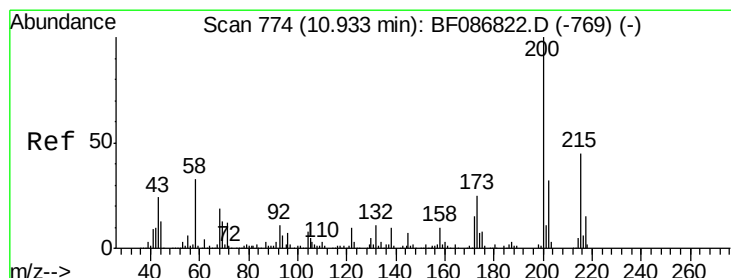
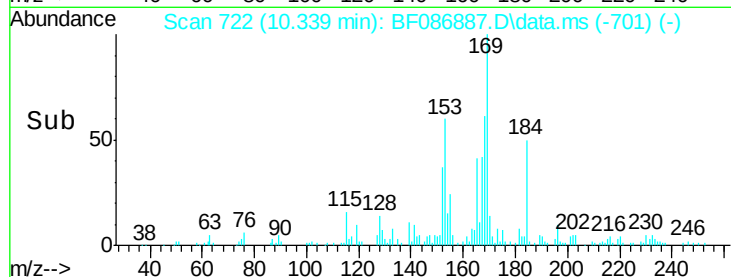
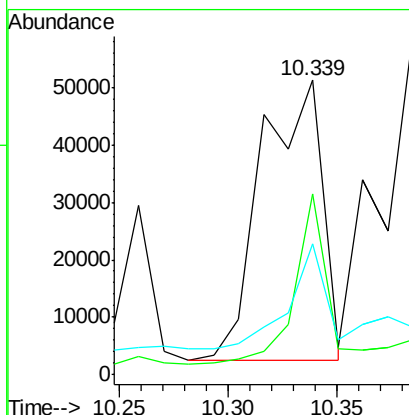
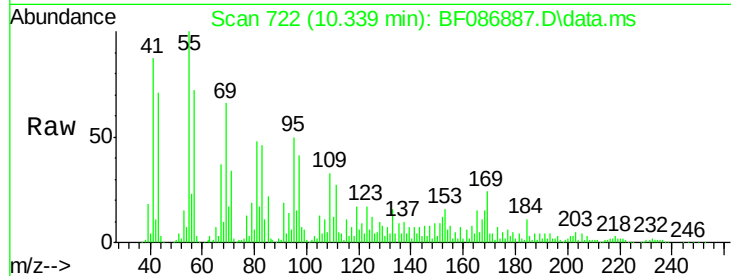
Tot Ion:169 Resp: 95090

Ion Ratio Lower Upper

169 100

168 61.3 53.8 80.6

167 44.3 29.5 44.3



#68

Atrazine

Concen: 2.19 ng

RT: 10.933 min Scan# 774

Delta R.T. -0.000 min

Lab File: BF086887.D

Acq: 11 May 2016 8:04

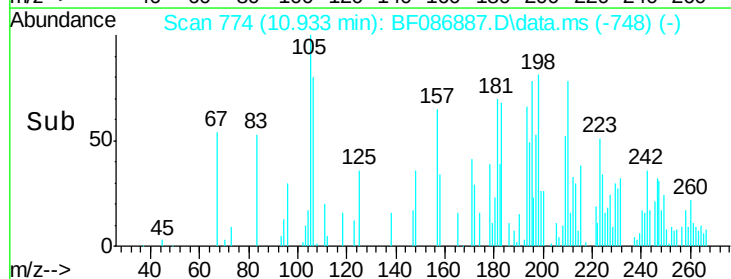
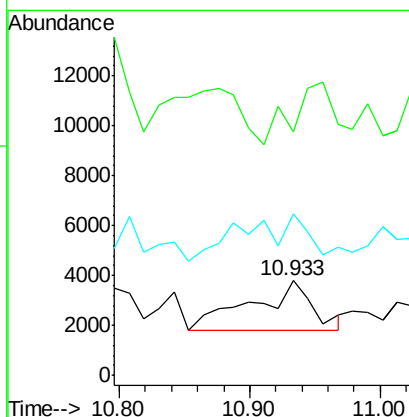
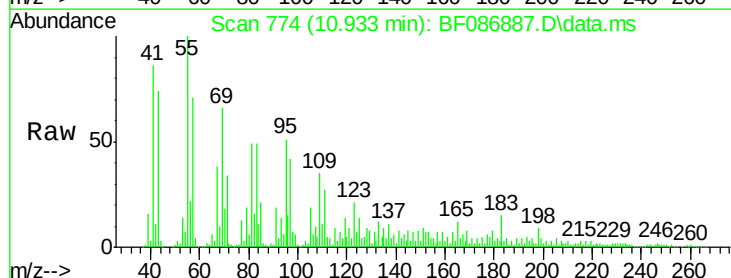
Tgt Ion:200 Resp: 6448

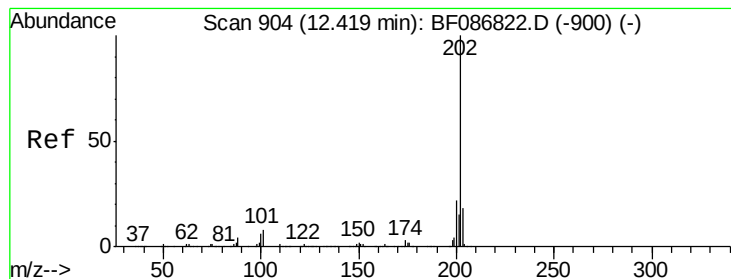
Ion Ratio Lower Upper

200 100

173 257.1 8.5 48.5#

215 170.6 27.2 67.2#





#74

Fluoranthene

Concen: 9.13 ng

RT: 12.636 min Scan# 92

Delta R.T. 0.217 min

Lab File: BF086887.D

Acq: 11 May 2016 8:04

Instrument :

BNA_F

ClientSampleId :

1

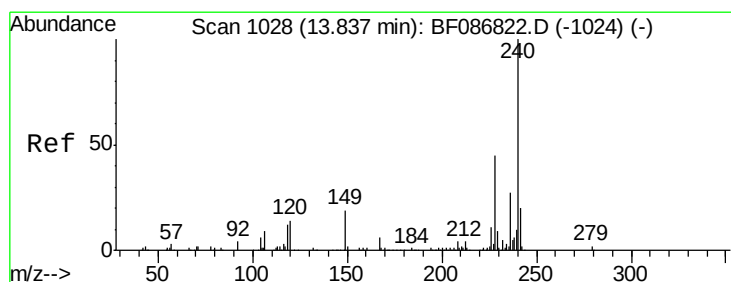
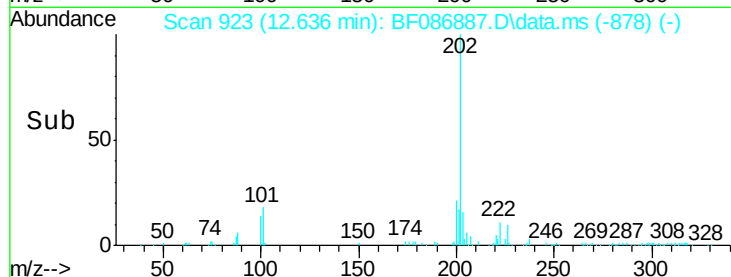
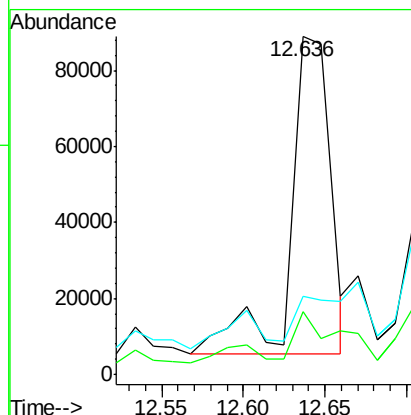
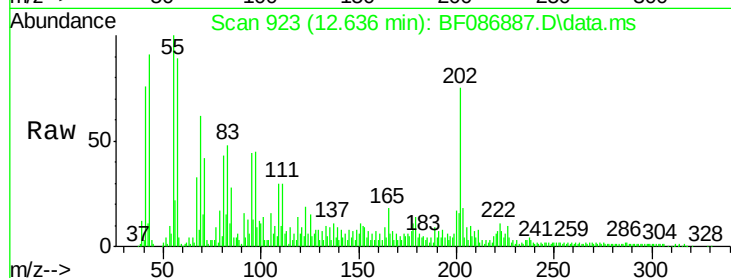
Tot Ion:202 Resp: 143663

Ion Ratio Lower Upper

202 100

101 18.8 0.0 35.4

203 23.2 0.0 38.1



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.825 min Scan# 1027

Delta R.T. -0.012 min

Lab File: BF086887.D

Acq: 11 May 2016 8:04

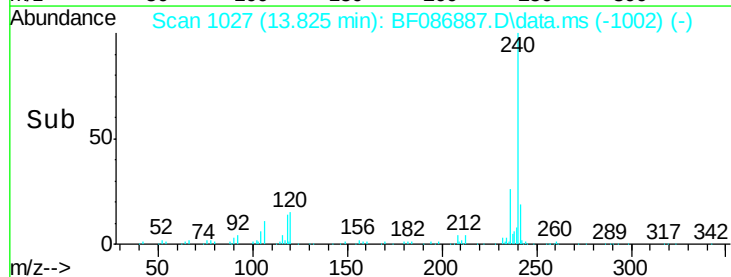
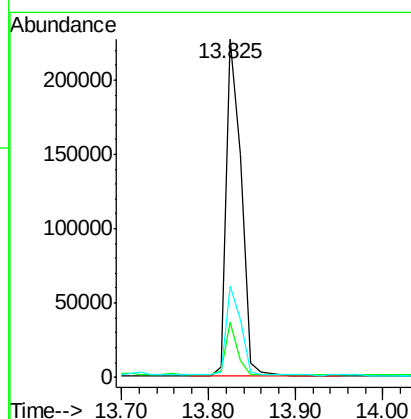
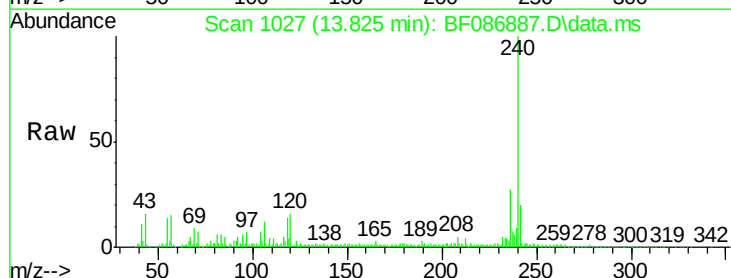
Tgt Ion:240 Resp: 273568

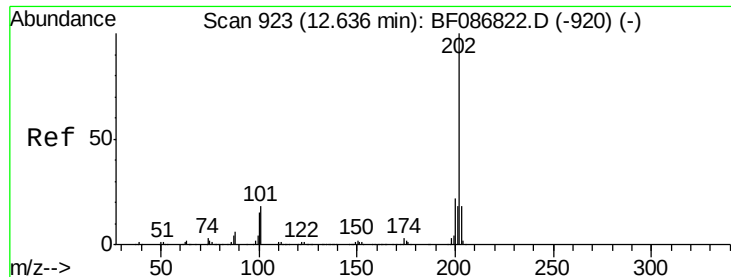
Ion Ratio Lower Upper

240 100

120 16.3 11.2 16.8

236 27.1 21.2 31.8





#77

Pvrene

Concen: 7.67 ng

RT: 12.636 min Scan# 92

Delta R.T. -0.000 min

Lab File: BF086887.D

Acq: 11 May 2016 8:04

Instrument :

BNA_F

ClientSampleId :

1

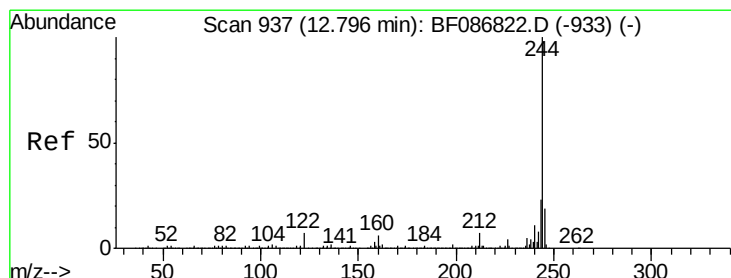
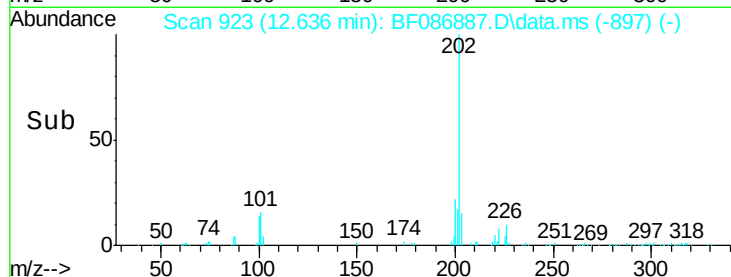
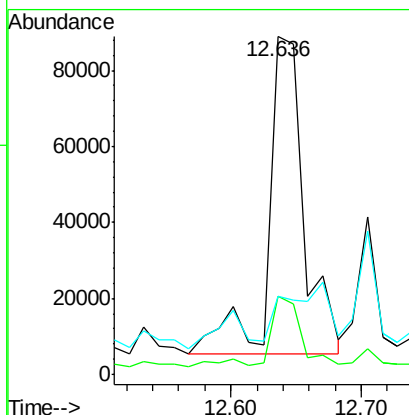
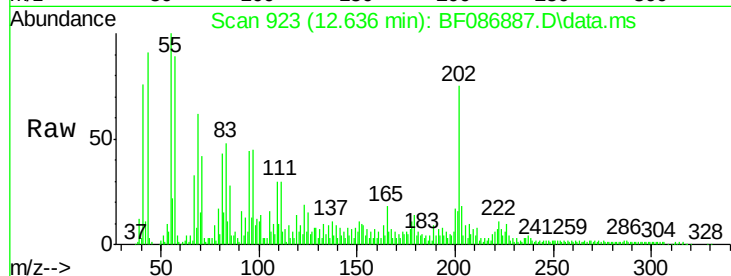
Tot Ion:202 Resp: 160546

Ion Ratio Lower Upper

202 100

200 23.2 17.7 26.5

203 23.2 14.2 21.4#



#78

Terphenyl-d14

Concen: 54.43 ng

RT: 12.785 min Scan# 936

Delta R.T. -0.012 min

Lab File: BF086887.D

Acq: 11 May 2016 8:04

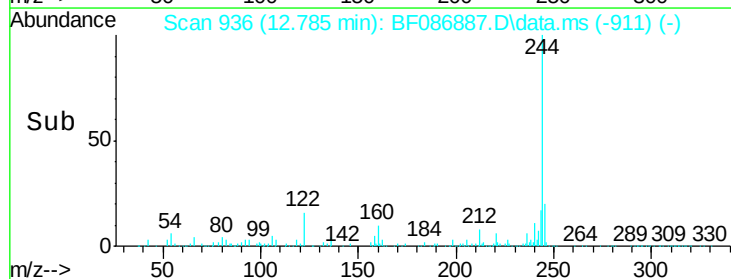
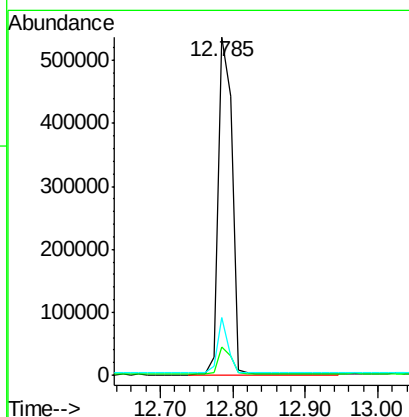
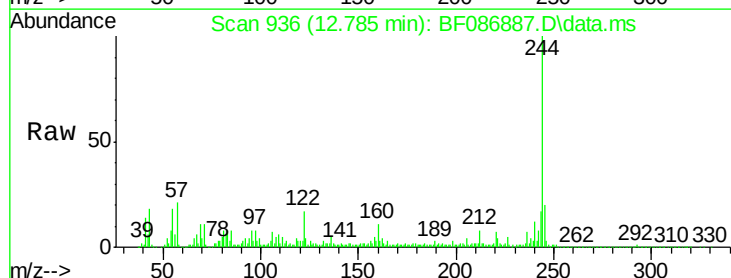
Tgt Ion:244 Resp: 701768

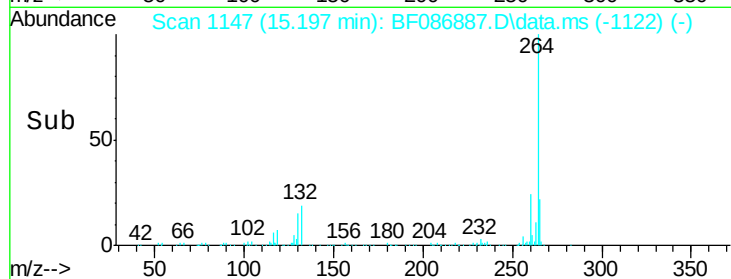
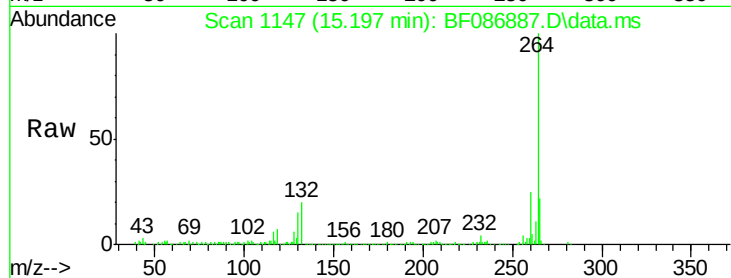
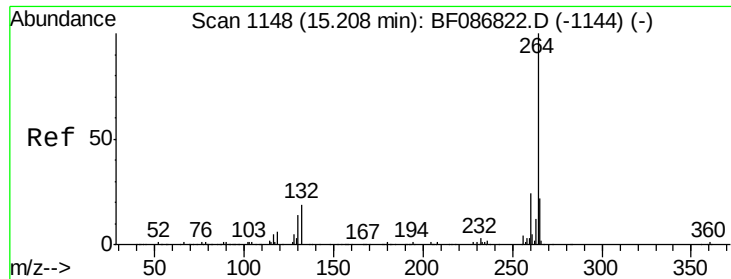
Ion Ratio Lower Upper

244 100

212 8.5 6.2 9.2

122 17.0 12.0 18.0





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.197 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF086887.D
Acq: 11 May 2016 8:04

Instrument :
BNA_F
ClientSampleId :
1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	21.7	17.3	25.9

