

Data Path : Z:\HPCHEM1\BNA F\Data\BF051916\RAW\
 Data File : BF087211.D
 Acq On : 20 May 2016 4:42
 Operator : UM/SJ
 Sample : H3133-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-45-051716

Quant Time: May 20 09:58:06 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:47:59 2016
 Response via : Initial Calibration

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

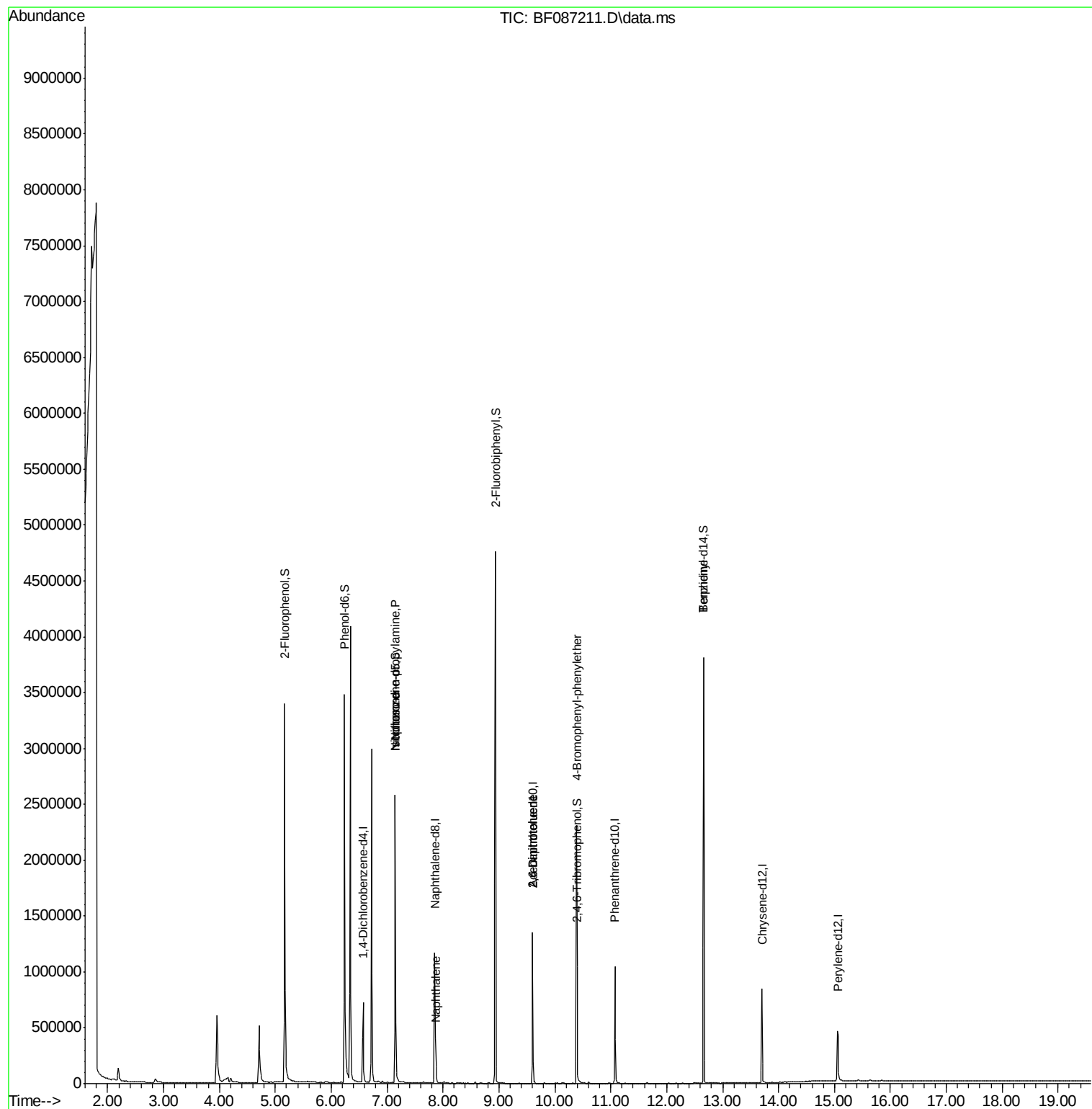
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.570	152	123396	20.00	ng	-0.03
21) Naphthalene-d8	7.850	136	518066	20.00	ng	-0.05
38) Acenaphthene-d10	9.599	164	240085	20.00	ng	-0.05
63) Phenanthrene-d10	11.074	188	404830	20.00	ng	-0.05
75) Chrysene-d12	13.702	240	281599	20.00	ng	-0.06
86) Perylene-d12	15.063	264	235577	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.164	112	904537	61.61	ng	-0.03
7) Phenol-d6	6.239	99	1106239	56.18	ng	-0.05
23) Nitrobenzene-d5	7.142	82	812413	39.08	ng	-0.05
41) 2,4,6-Tribromophenol	10.399	330	309604	58.35	ng	-0.05
44) 2-Fluorobiphenyl	8.936	172	1440502	49.68	ng	-0.05
78) Terphenyl-d14	12.662	244	1109456	44.56	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.142	70	114666	15.32	ng	Qvalue # 72
25) Isophorone	7.142	82	710826	37.36	ng	# 68
31) Naphthalene	7.873	128	50692	2.00	ng	98
50) 2,6-Dinitrotoluene	9.599	165	30719	7.72	ng	# 21
56) 2,4-Dinitrotoluene	9.599	165	30719	6.03	ng	# 16
66) 4-Bromophenyl-phenylether	10.388	248	17396	4.18	ng	# 1
76) Benzidine	12.662	184	17795	2.63	ng	98

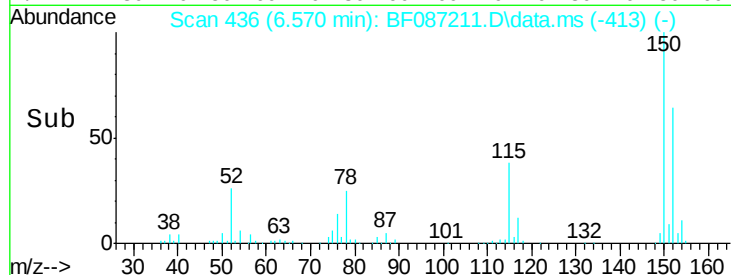
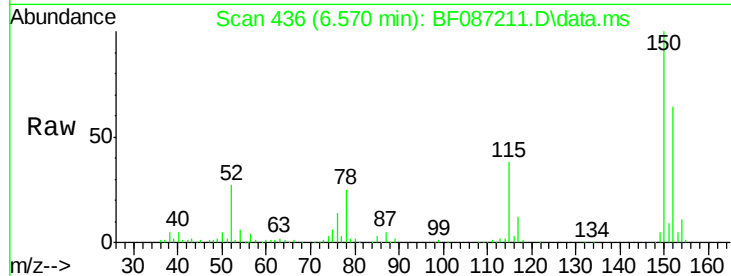
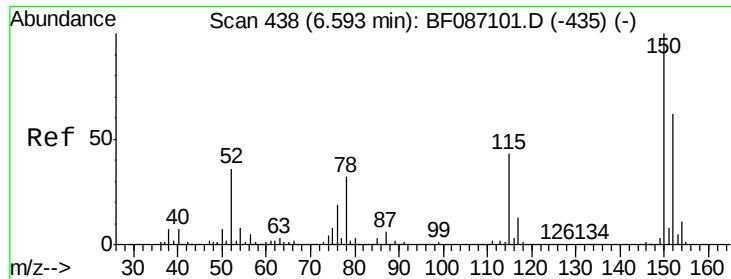
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\Data\BF051916\RAW\
Data File : BF087211.D
Acq On : 20 May 2016 4:42
Operator : UM/SJ
Sample : H3133-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HSR-WC-45-051716

Quant Time: May 20 09:58:06 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 17 16:47:59 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.570 min Scan# 43

Delta R.T. -0.034 min

Lab File: BF087211.D

Acq: 20 May 2016 4:42

Instrument :

BNA_F

ClientSampleId :

HSR-WC-45-051716

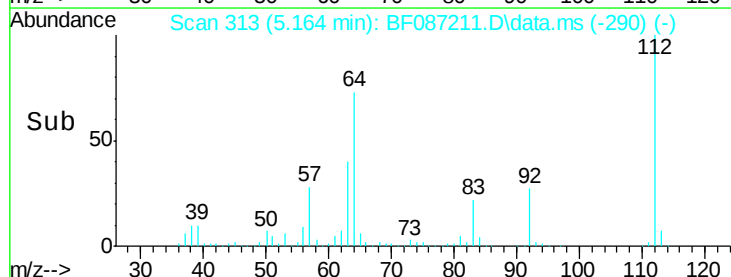
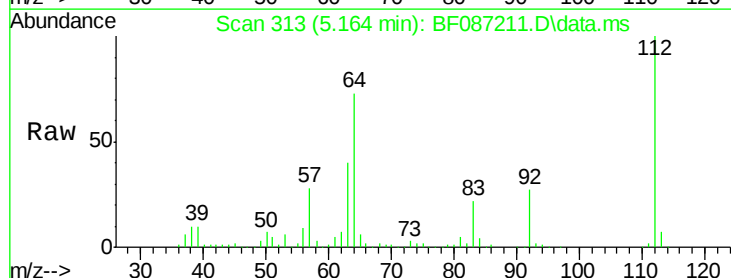
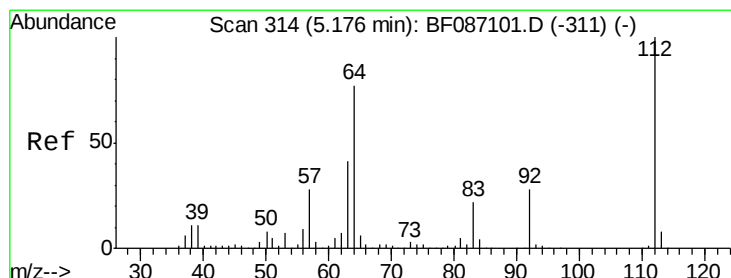
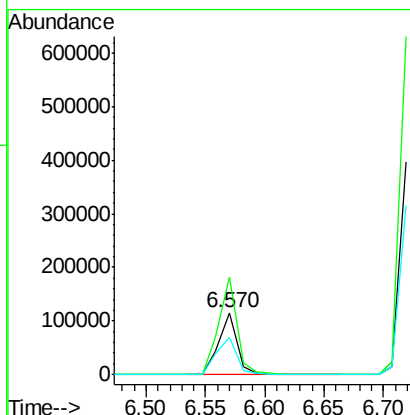
Tot Ion:152 Resp: 123396

Ion Ratio Lower Upper

152 100

150 156.2 125.8 188.6

115 59.4 51.5 77.3



#5

2-Fluorophenol

Concen: 61.61 ng

RT: 5.164 min Scan# 313

Delta R.T. -0.034 min

Lab File: BF087211.D

Acq: 20 May 2016 4:42

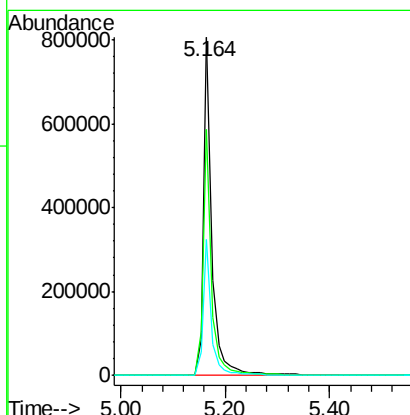
Tgt Ion:112 Resp: 904537

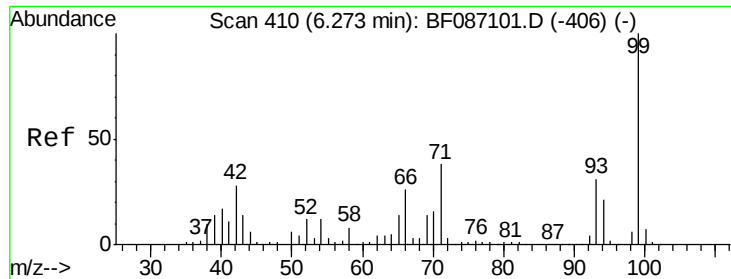
Ion Ratio Lower Upper

112 100

64 72.9 52.1 78.1

63 40.3 25.7 38.5#





#7

Phenol-d6

Concen: 56.18 ng

RT: 6.239 min Scan# 40

Delta R.T. -0.046 min

Lab File: BF087211.D

Acq: 20 May 2016 4:42

Instrument :

BNA_F

ClientSampleId :

HSR-WC-45-051716

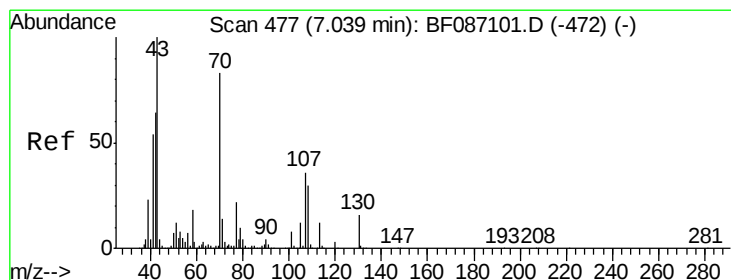
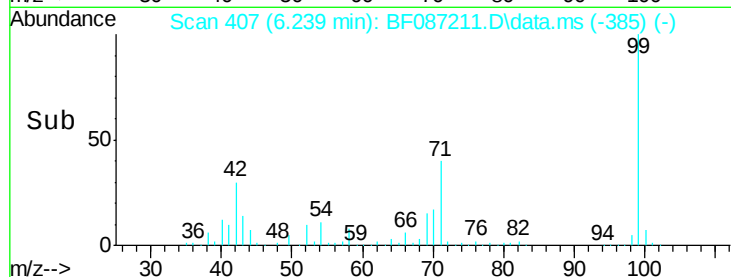
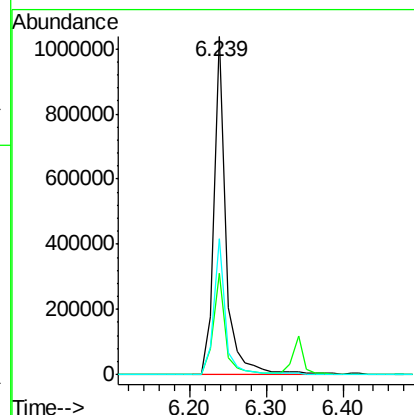
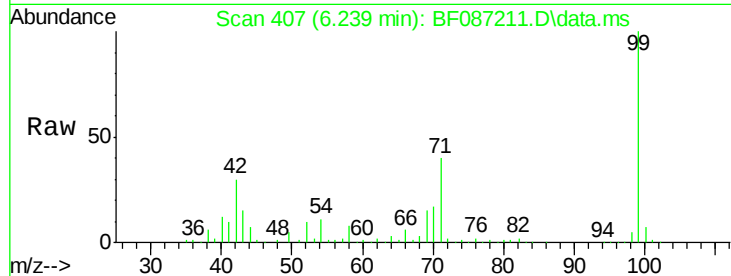
Tot Ion: 99 Resp: 1106239

Ion Ratio Lower Upper

99 100

42 30.0 13.6 20.4#

71 40.2 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 15.32 ng

RT: 7.142 min Scan# 486

Delta R.T. 0.092 min

Lab File: BF087211.D

Acq: 20 May 2016 4:42

Tgt Ion: 70 Resp: 114666

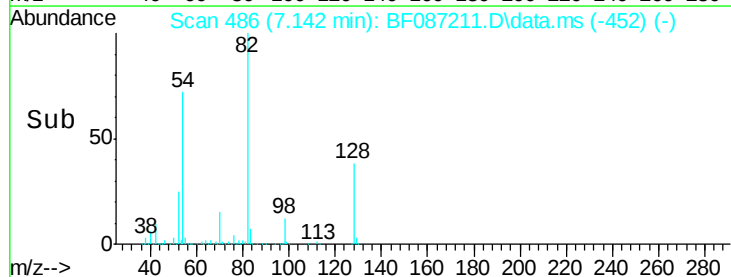
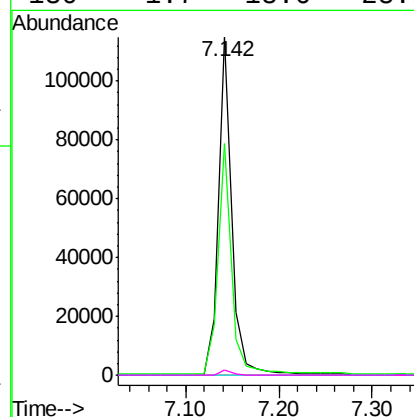
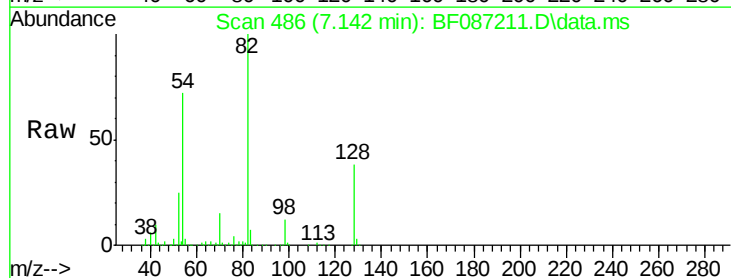
Ion Ratio Lower Upper

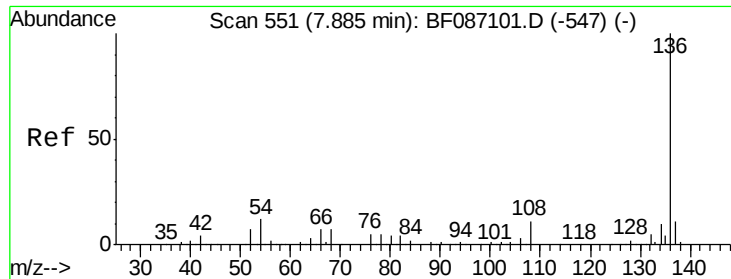
70 100

42 68.7 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

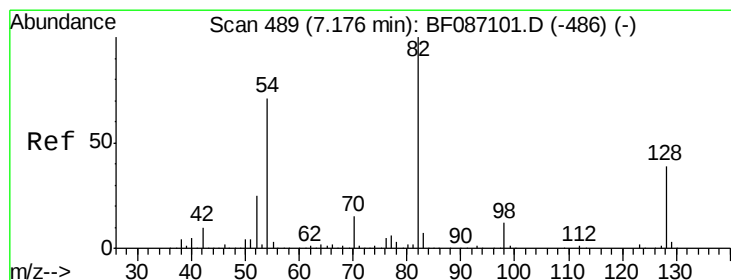
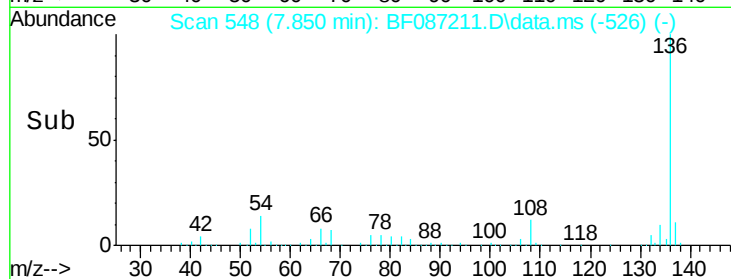
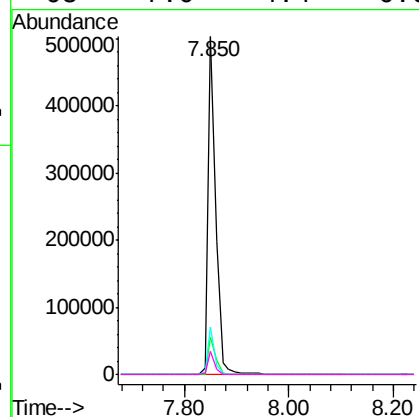
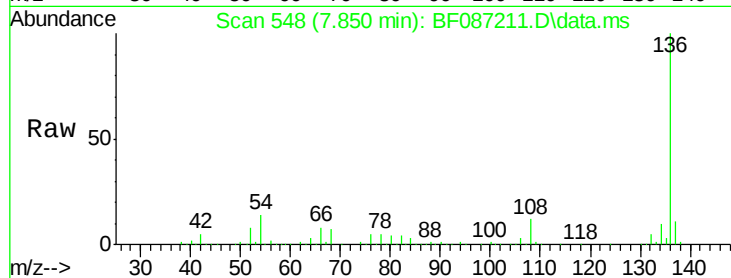




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.850 min Scan# 54
Delta R.T. -0.046 min
Lab File: BF087211.D
Acq: 20 May 2016 4:42

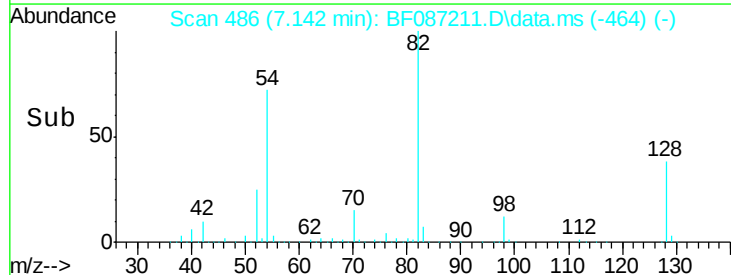
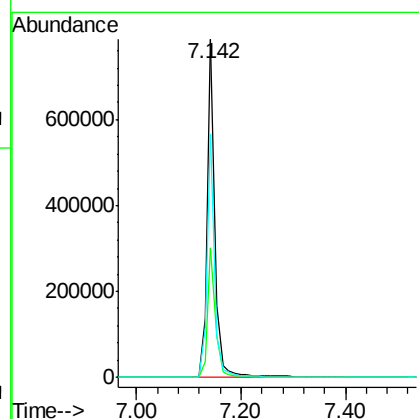
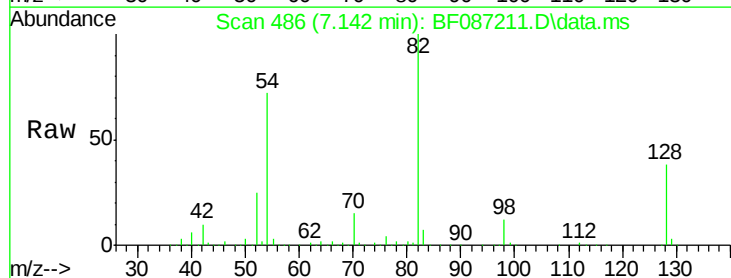
Instrument :
BNA_F
ClientSampleId :
HSR-WC-45-051716

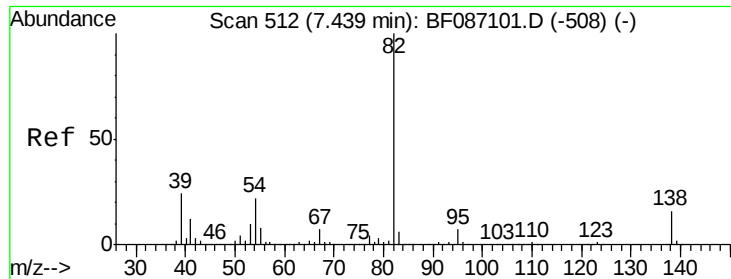
Tot Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	14.1	5.0	7.4#
68	7.0	4.4	6.6#



#23
Nitrobenzene-d5
Concen: 39.08 ng
RT: 7.142 min Scan# 486
Delta R.T. -0.046 min
Lab File: BF087211.D
Acq: 20 May 2016 4:42

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.2	40.6	61.0#
54	72.2	38.1	57.1#





#25

Isophorone

Concen: 37.36 ng

RT: 7.142 min Scan# 48

Delta R.T. -0.309 min

Lab File: BF087211.D

Acq: 20 May 2016 4:42

Instrument :

BNA_F

ClientSampleId :

HSR-WC-45-051716

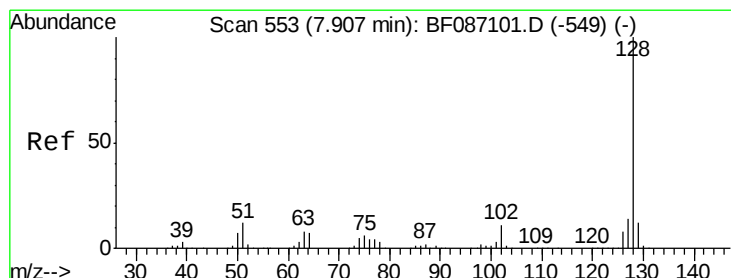
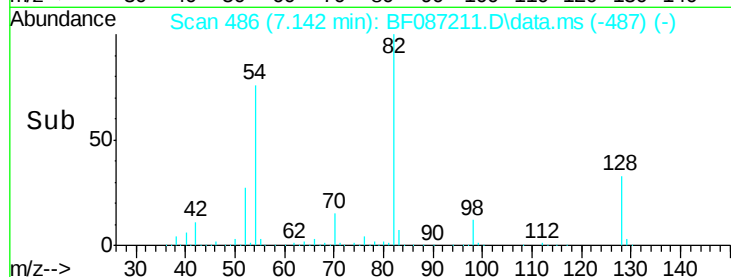
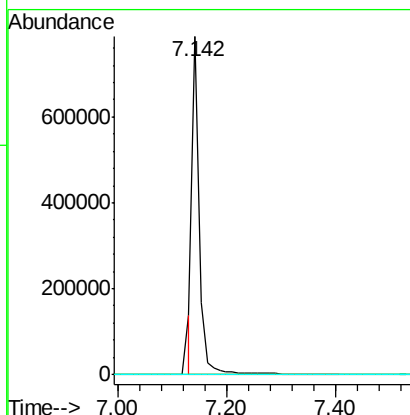
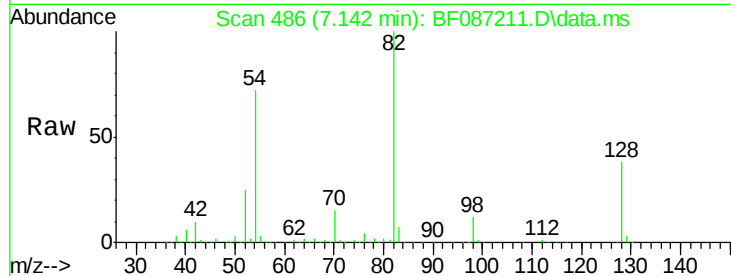
Tot Ion: 82 Resp: 710826

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



#31

Naphthalene

Concen: 2.00 ng

RT: 7.873 min Scan# 550

Delta R.T. -0.046 min

Lab File: BF087211.D

Acq: 20 May 2016 4:42

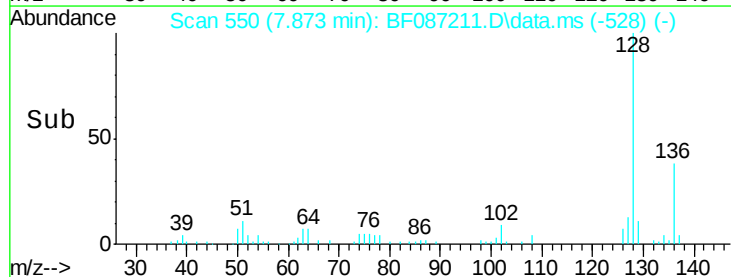
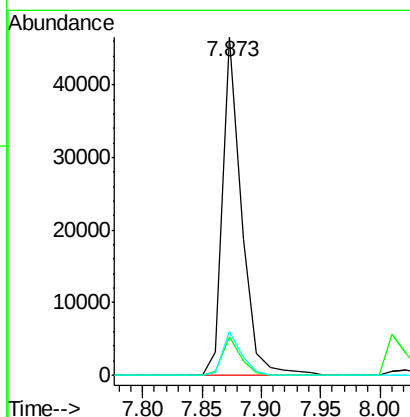
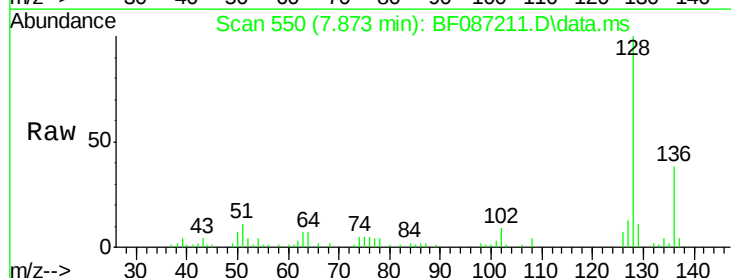
Tgt Ion: 128 Resp: 50692

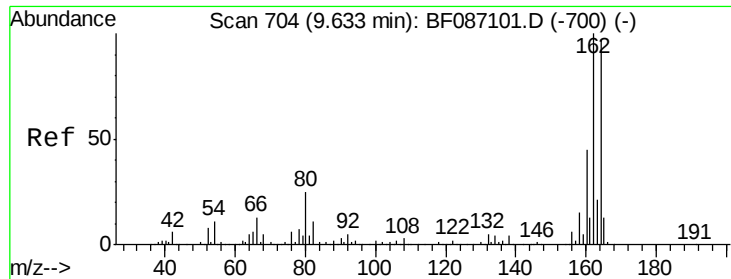
Ion Ratio Lower Upper

128 100

129 11.3 8.6 13.0

127 12.7 10.8 16.2

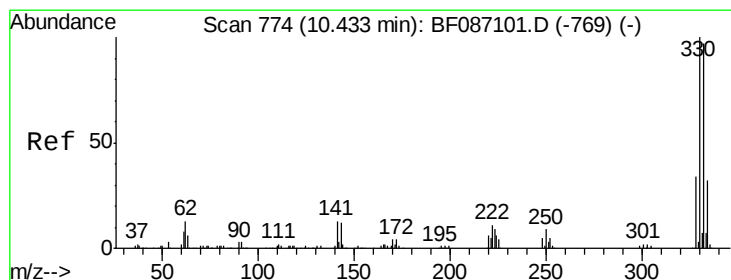
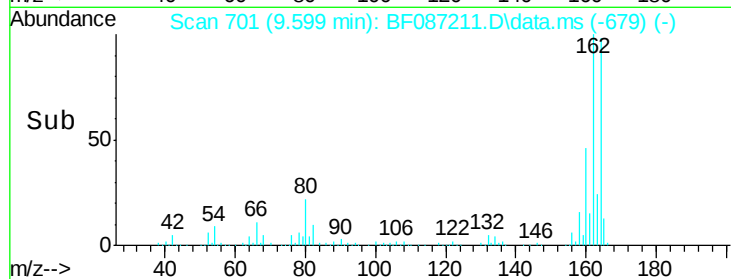
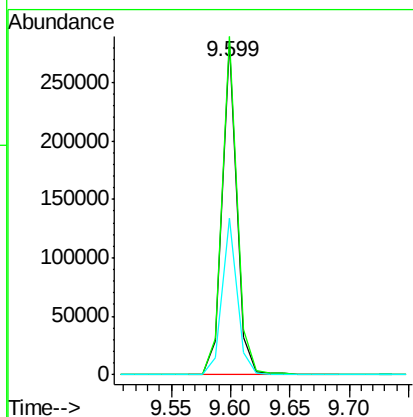
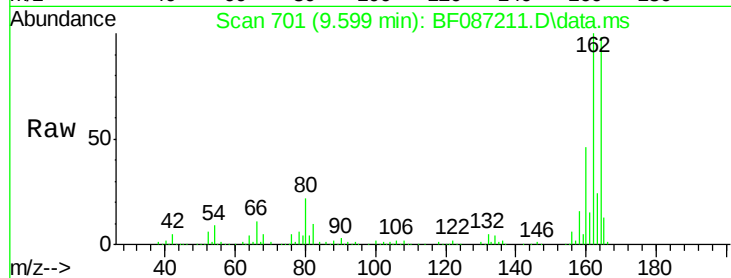




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.599 min Scan# 701
Delta R.T. -0.046 min
Lab File: BF087211.D
Acq: 20 May 2016 4:42

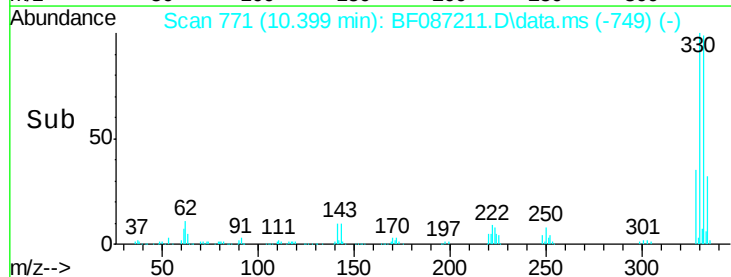
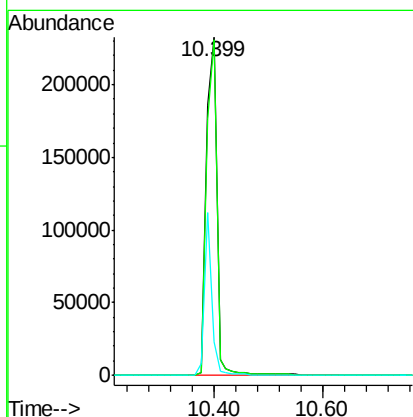
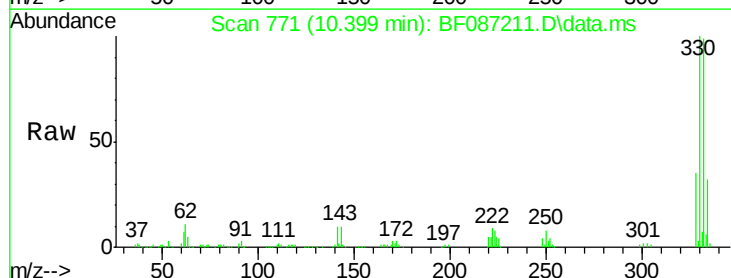
Instrument :
BNA_F
ClientSampleId :
HSR-WC-45-051716

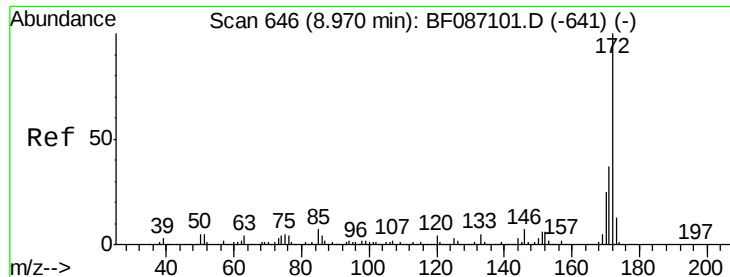
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.8	124.2
160	47.2	36.9	55.3



#41
2,4,6-Tribromophenol
Concen: 58.35 ng
RT: 10.399 min Scan# 771
Delta R.T. -0.046 min
Lab File: BF087211.D
Acq: 20 May 2016 4:42

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	79.0	118.4
141	33.7	31.2	46.8

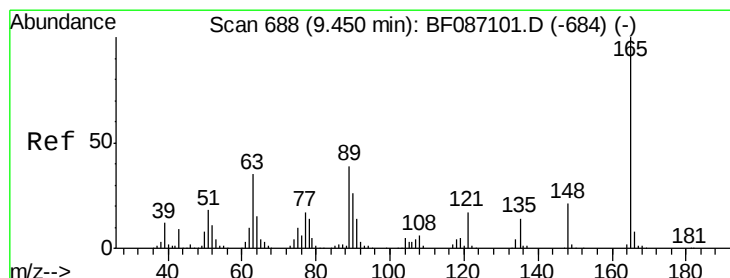
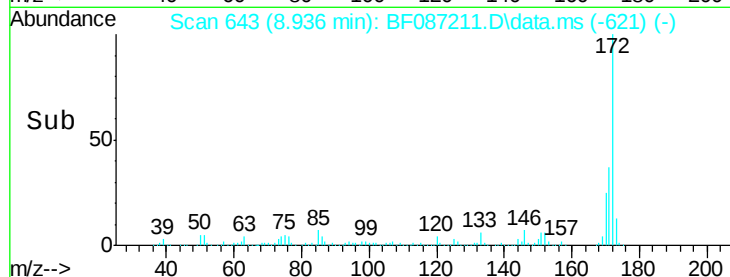
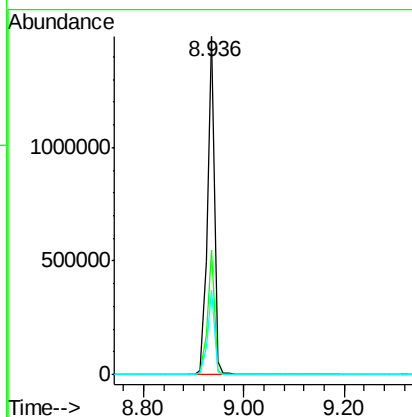
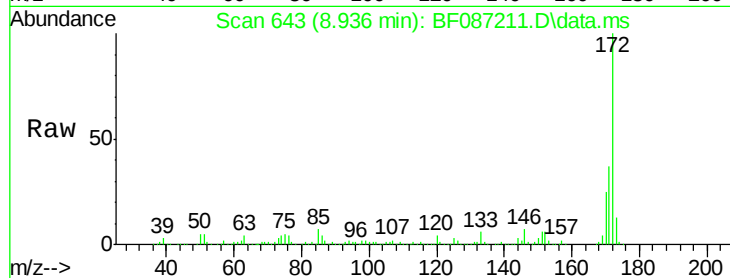




#44
 2-Fluorobiphenyl
 Concen: 49.68 ng
 RT: 8.936 min Scan# 64
 Delta R.T. -0.046 min
 Lab File: BF087211.D
 Acq: 20 May 2016 4:42

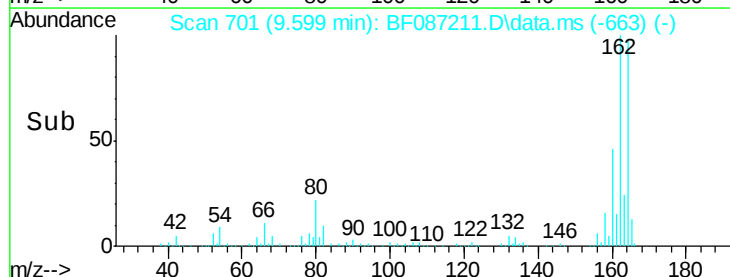
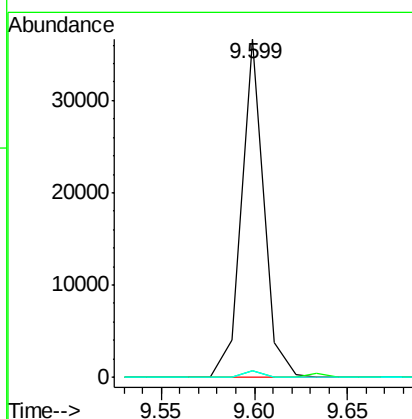
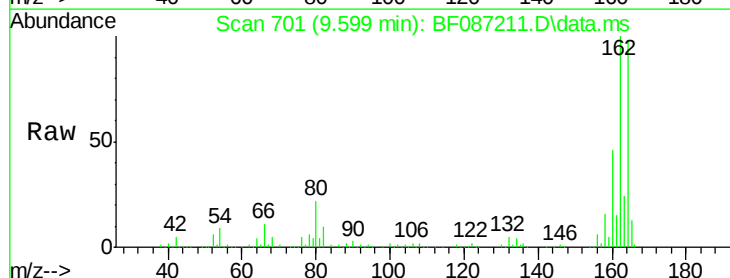
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-45-051716

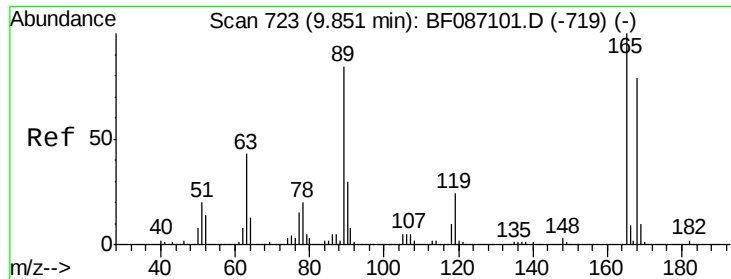
Tot Ion:172 Resp: 1440502
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.0 43.6
 170 24.9 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.72 ng
 RT: 9.599 min Scan# 701
 Delta R.T. 0.137 min
 Lab File: BF087211.D
 Acq: 20 May 2016 4:42

Tgt Ion:165 Resp: 30719
 Ion Ratio Lower Upper
 165 100
 63 1.9 51.8 77.8#
 89 2.1 50.7 76.1#

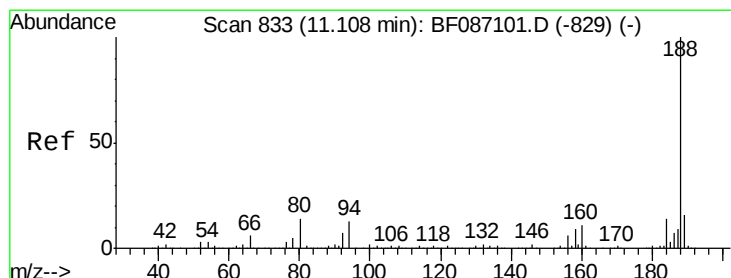
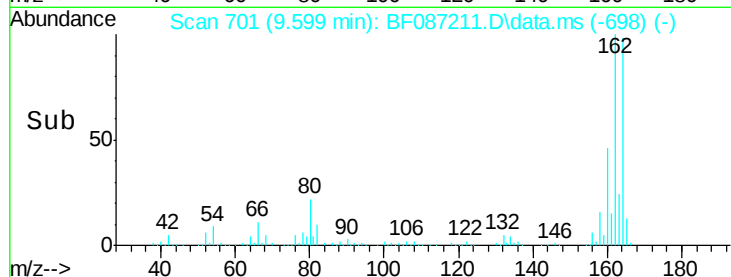
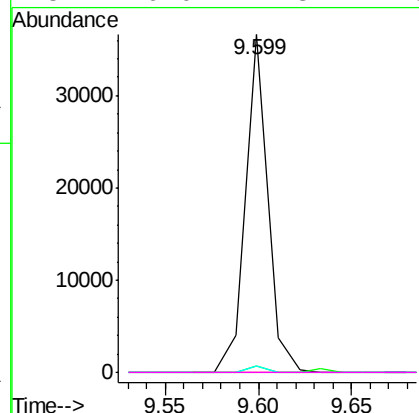
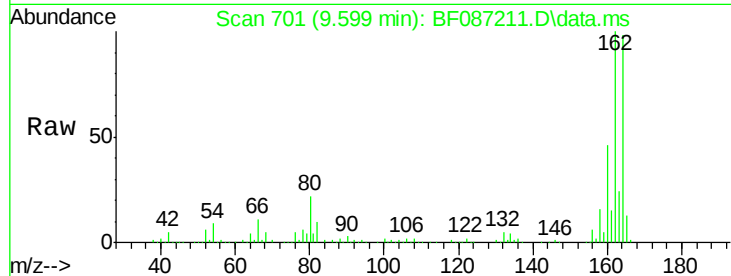




#56
2,4-Dinitrotoluene
Concen: 6.03 ng
RT: 9.599 min Scan# 70
Delta R.T. -0.263 min
Lab File: BF087211.D
Acq: 20 May 2016 4:42

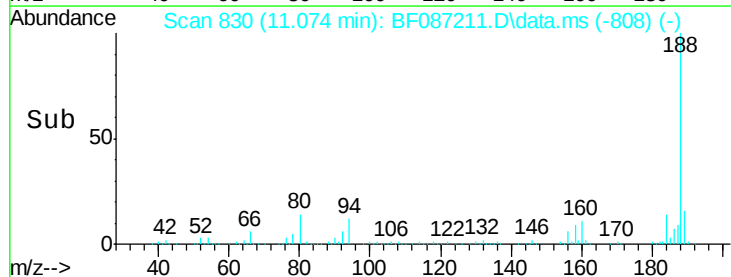
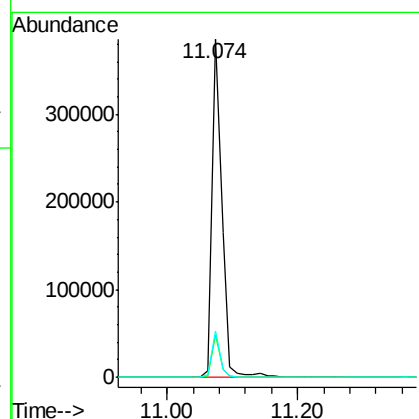
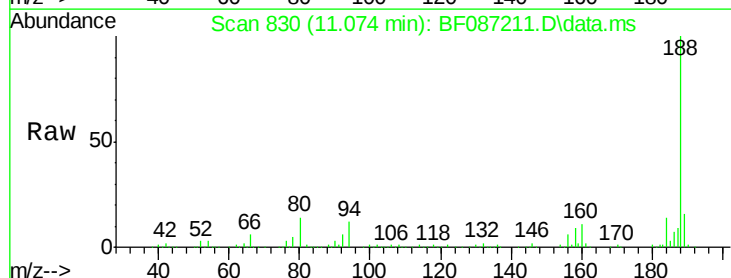
Instrument :
BNA_F
ClientSampleId :
HSR-WC-45-051716

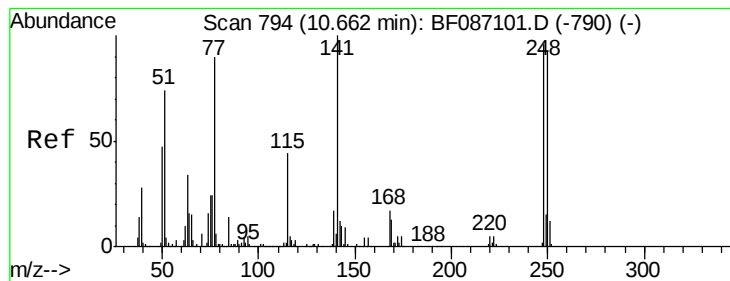
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.3	66.5#
89	2.1	70.0	105.0#
182	0.0	1.8	2.6#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.074 min Scan# 830
Delta R.T. -0.046 min
Lab File: BF087211.D
Acq: 20 May 2016 4:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.5	6.8	10.2#
80	13.5	7.1	10.7#





#66

4-Bromophenyl-phenylether

Concen: 4.18 ng

RT: 10.388 min Scan# 77

Delta R.T. -0.286 min

Lab File: BF087211.D

Acq: 20 May 2016 4:42

Instrument :

BNA_F

ClientSampleId :

HSR-WC-45-051716

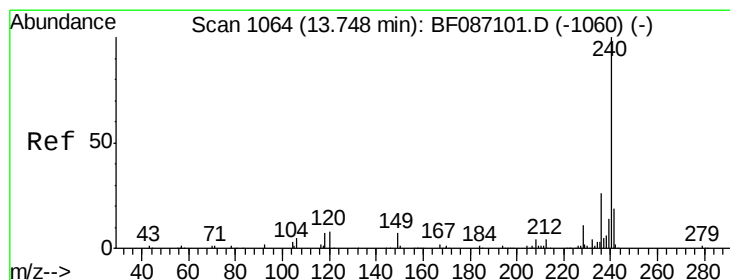
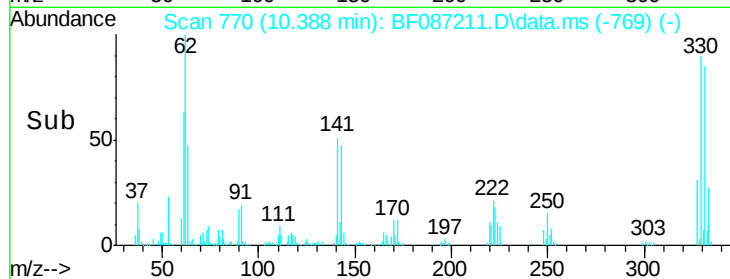
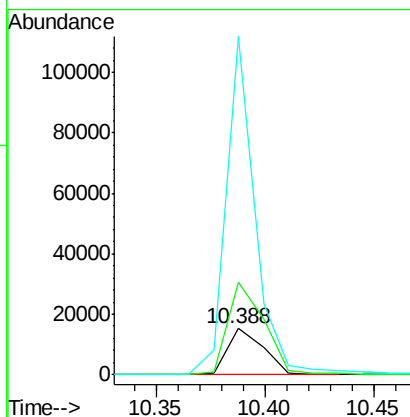
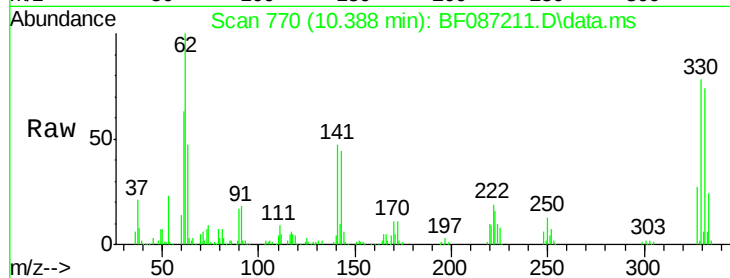
Tot Ion:248 Resp: 17396

Ion Ratio Lower Upper

248 100

250 201.6 78.6 117.8#

141 736.2 76.0 114.0#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.702 min Scan# 1060

Delta R.T. -0.057 min

Lab File: BF087211.D

Acq: 20 May 2016 4:42

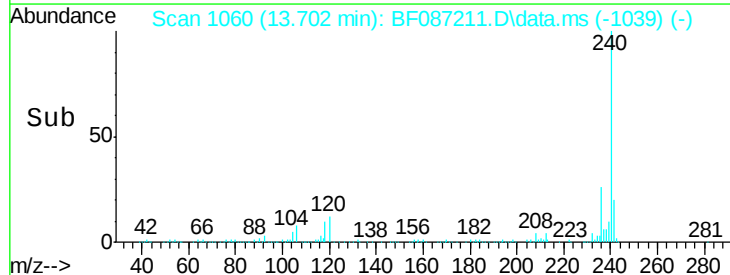
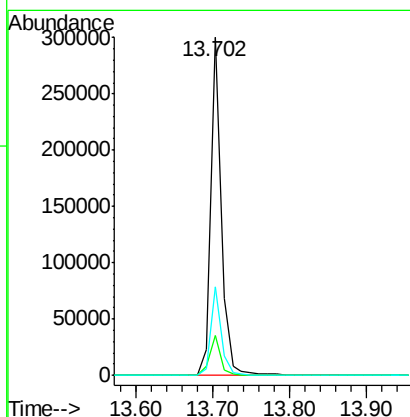
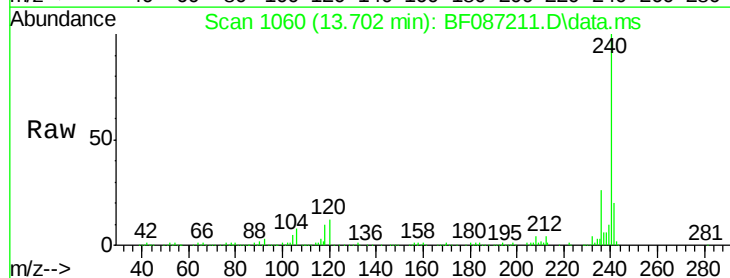
Tgt Ion:240 Resp: 281599

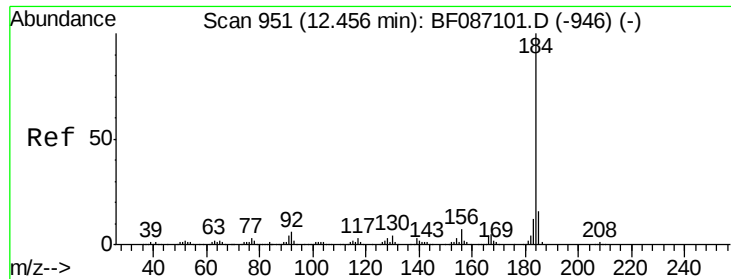
Ion Ratio Lower Upper

240 100

120 11.8 11.2 16.8

236 26.1 21.2 31.8





#76

Benzidine

Concen: 2.63 ng

RT: 12.662 min Scan# 96

Delta R.T. 0.195 min

Lab File: BF087211.D

Acq: 20 May 2016 4:42

Instrument :

BNA_F

ClientSampleId :

HSR-WC-45-051716

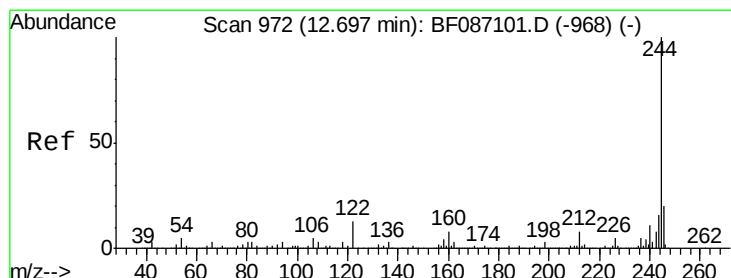
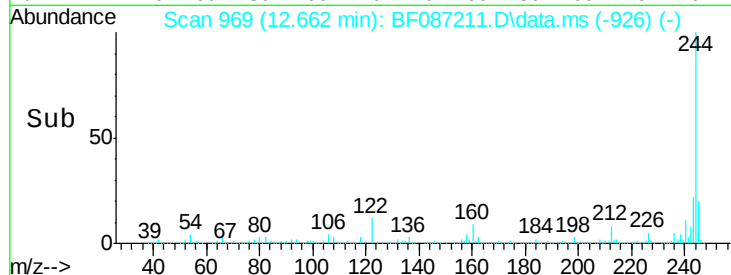
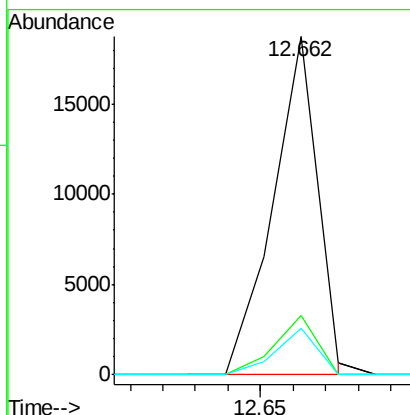
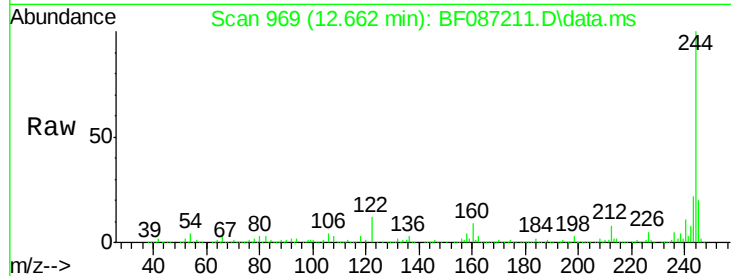
Tot Ion:184 Resp: 17795

Ion Ratio Lower Upper

184 100

185 17.6 13.6 20.4

183 13.7 9.8 14.6



#78

Terphenyl-d14

Concen: 44.56 ng

RT: 12.662 min Scan# 969

Delta R.T. -0.046 min

Lab File: BF087211.D

Acq: 20 May 2016 4:42

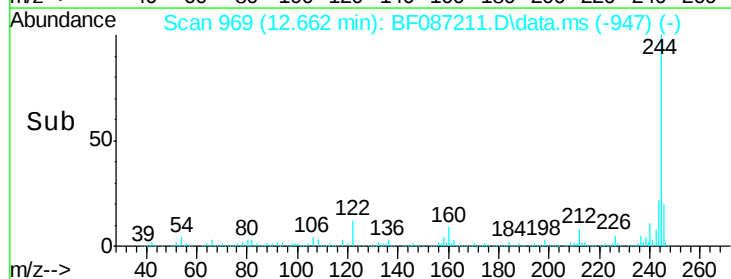
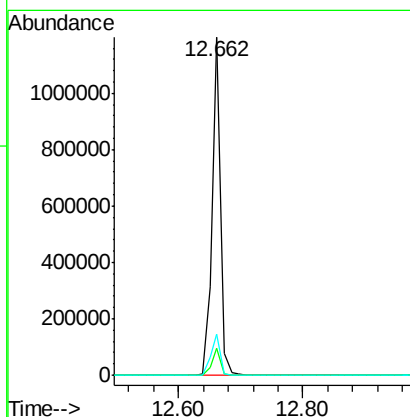
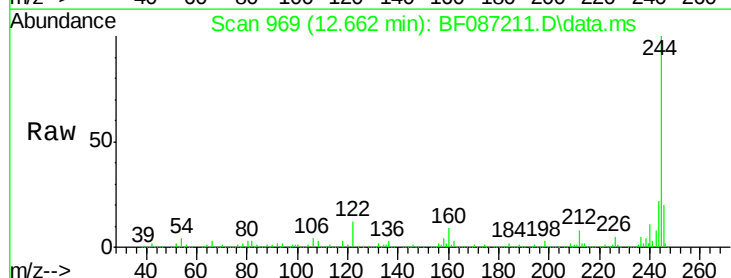
Tgt Ion:244 Resp: 1109456

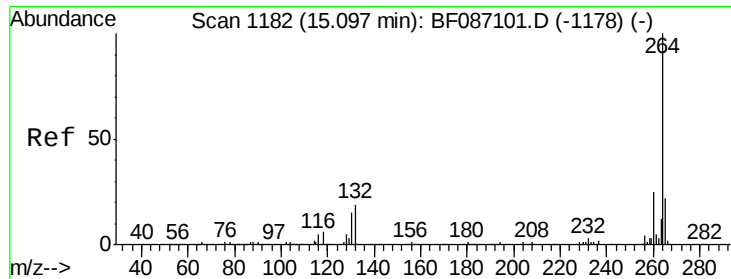
Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

122 12.2 12.0 18.0





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.063 min Scan# 11
 Delta R.T. -0.046 min
 Lab File: BF087211.D
 Acq: 20 May 2016 4:42

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-45-051716

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	20.7	17.3	25.9

