

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081715\
 Data File : BF081012.D
 Acq On : 17 Aug 2015 19:47
 Operator : UM/IZ
 Sample : G3256-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-1

Quant Time: Aug 18 00:43:27 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 17:57:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	71683	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	252017	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	116610	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	221466	20.00	ng	0.00
75) Chrysene-d12	13.75	240	132522	20.00	ng	0.00
86) Perylene-d12	15.10	264	98170	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	211781	44.44	ng	0.01
7) Phenol-d6	6.26	99	179543	28.87	ng	0.00
23) Nitrobenzene-d5	7.20	82	461675	83.68	ng	0.01
41) 2,4,6-Tribromophenol	10.44	330	112346	111.14	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	654731	73.57	ng	0.00
78) Terphenyl-d14	12.72	244	566829	91.70	ng	0.01

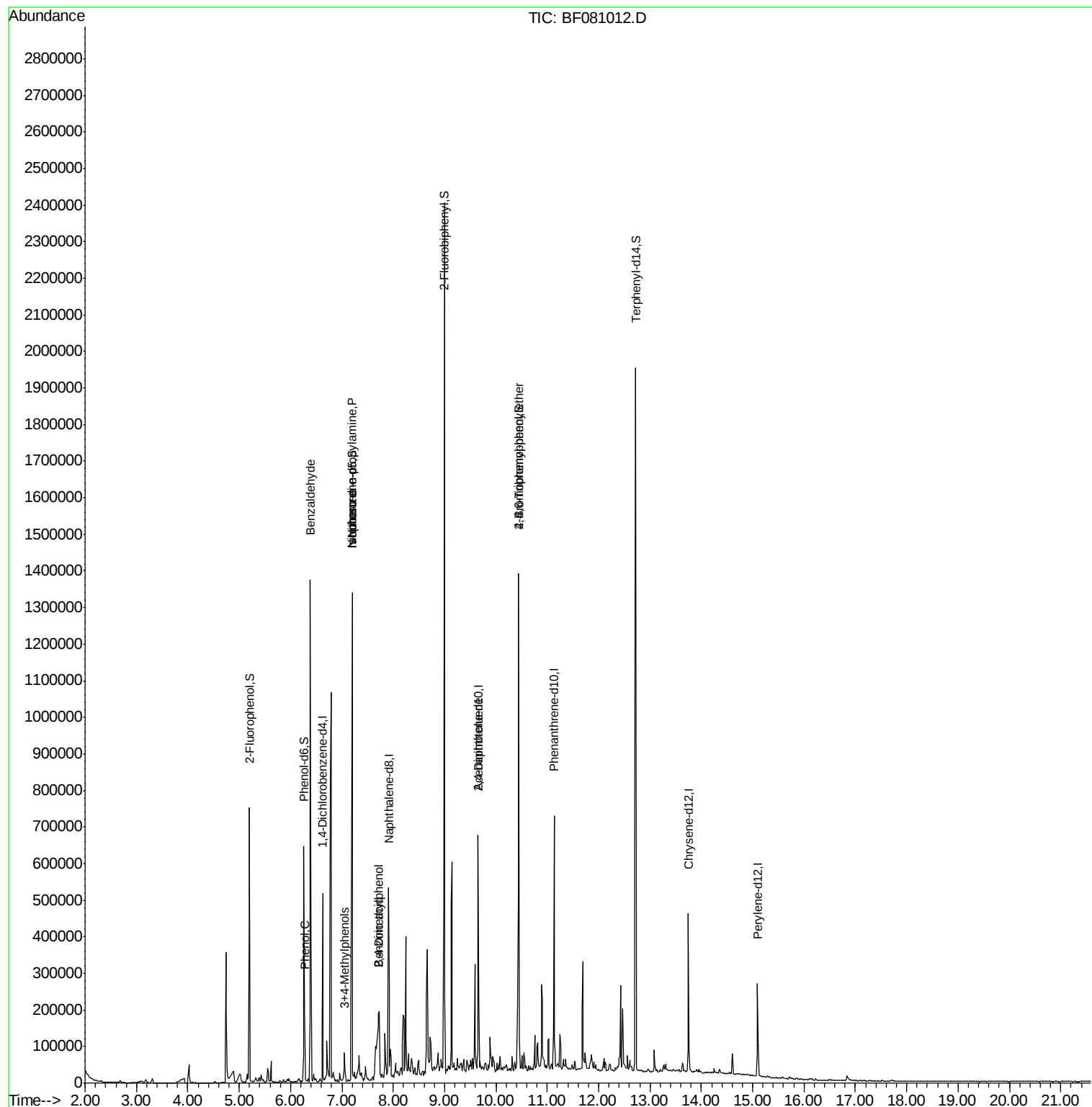
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	8727	2.18	ng	81
10) Phenol	6.27	94	27248	3.71	ng	# 75
19) n-Nitroso-di-n-propylamine	7.20	70	64295	14.93	ng	# 69
20) 3+4-Methylphenols	7.05	107	14103	2.48	ng	# 45
25) Isophorone	7.20	82	445942	43.35	ng	# 71
27) 2,4-Dimethylphenol	7.72	122	103058	24.28	ng	# 2
32) Benzoic acid	7.72	122	103058	43.17	ng	86
56) 2,4-Dinitrotoluene	9.66	165	15238	5.58	ng	# 19
66) 4-Bromophenyl-phenylether	10.44	248	9375	4.31	ng	# 1

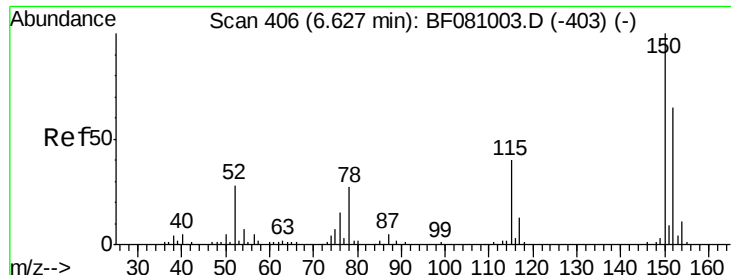
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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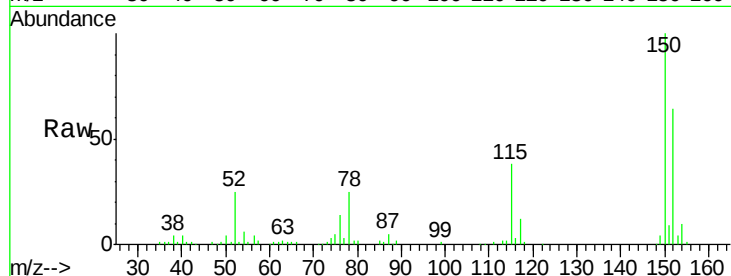


#1

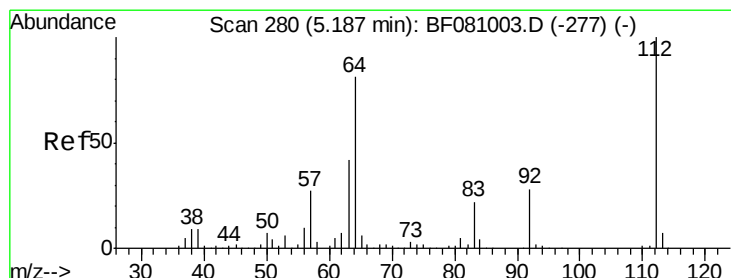
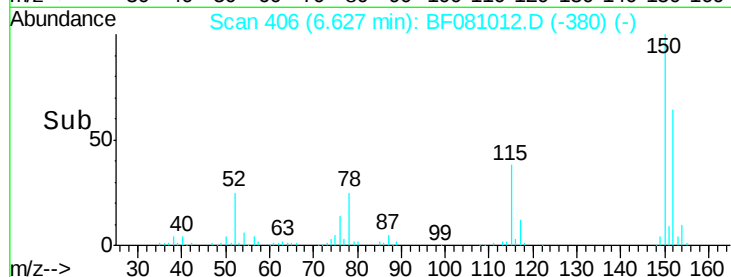
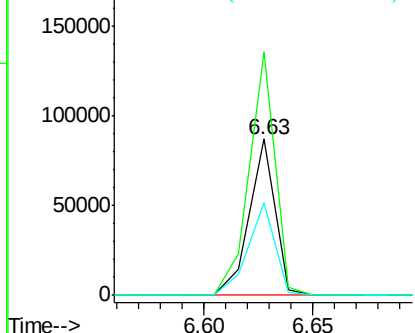
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 406
Delta R.T. -0.00 min
Lab File: BF081012.D
Acq: 17 Aug 2015 19:47

Instrument :
BNA_F
ClientSampleId :
TEC-1

Tot Ion:152 Resp: 71683
Ion Ratio Lower Upper
152 100
150 155.8 123.8 185.6
115 59.0 52.1 78.1



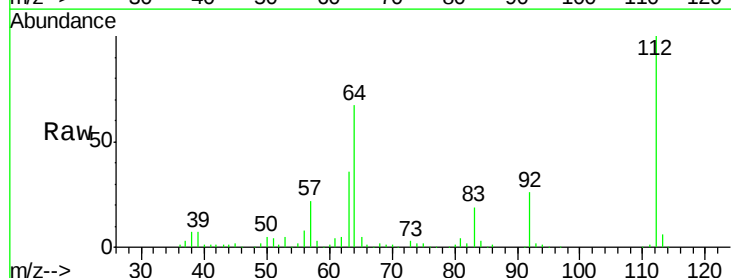
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



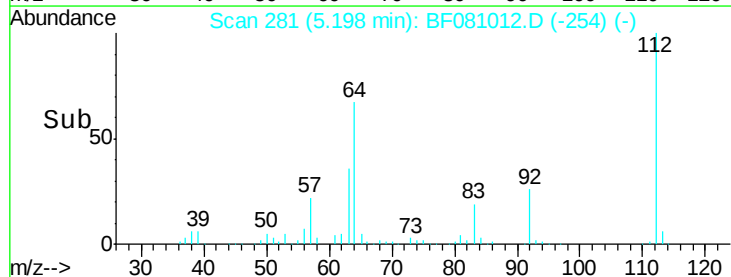
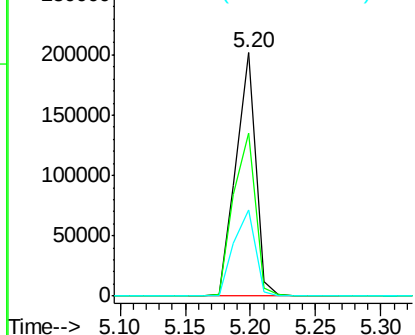
#5

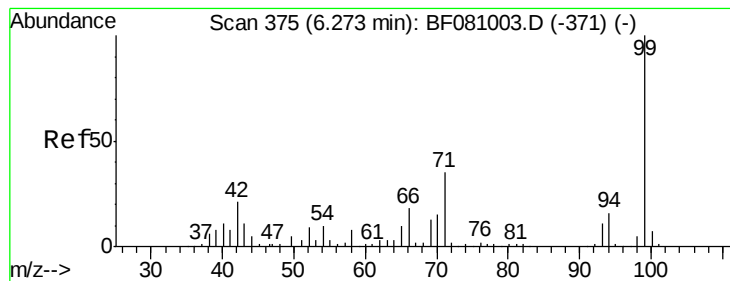
2-Fluorophenol
Concen: 44.44 ng
RT: 5.20 min Scan# 281
Delta R.T. 0.01 min
Lab File: BF081012.D
Acq: 17 Aug 2015 19:47

Tgt Ion:112 Resp: 211781
Ion Ratio Lower Upper
112 100
64 67.0 66.9 100.3
63 35.6 38.1 57.1#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 28.87 ng

RT: 6.26 min Scan# 374

Delta R.T. -0.00 min

Lab File: BF081012.D

Acq: 17 Aug 2015 19:47

Instrument :

BNA_F

ClientSampled :

TEC-1

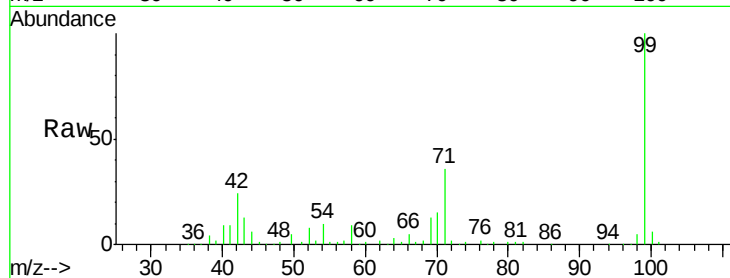
Tot Ion: 99 Resp: 179543

Ion Ratio Lower Upper

99 100

42 24.2 19.6 29.4

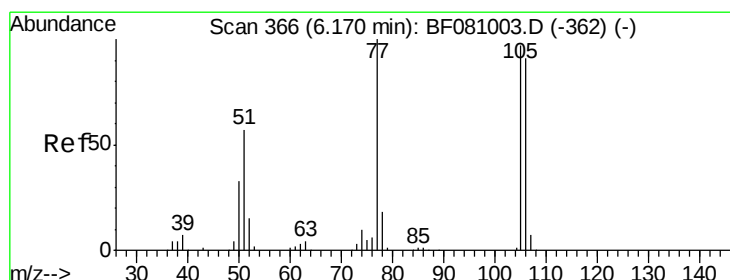
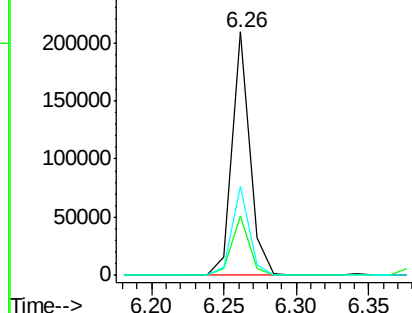
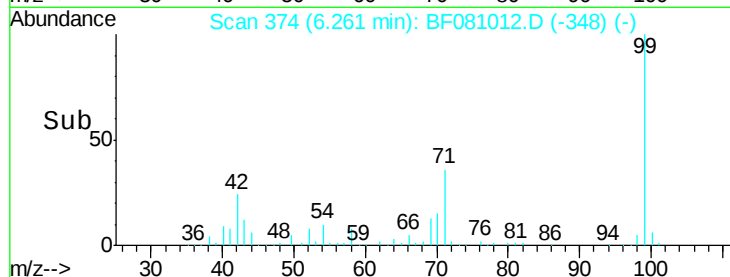
71 36.3 31.2 46.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.18 ng

RT: 6.39 min Scan# 385

Delta R.T. 0.23 min

Lab File: BF081012.D

Acq: 17 Aug 2015 19:47

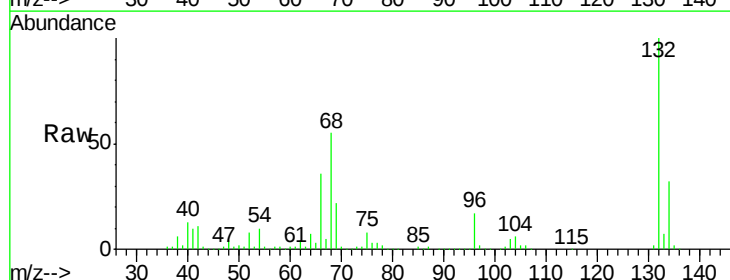
Tgt Ion: 77 Resp: 8727

Ion Ratio Lower Upper

77 100

105 71.7 69.6 109.6

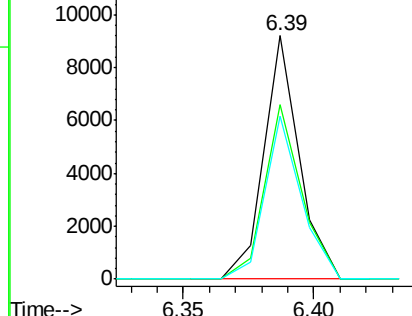
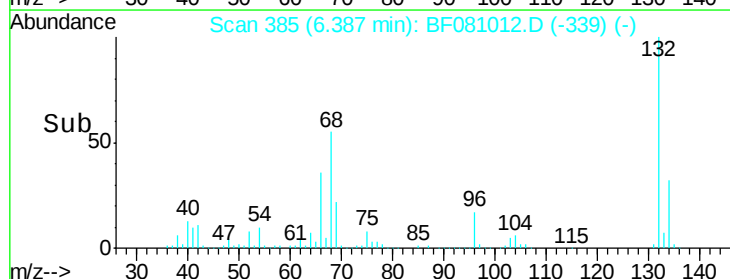
106 67.1 64.0 104.0

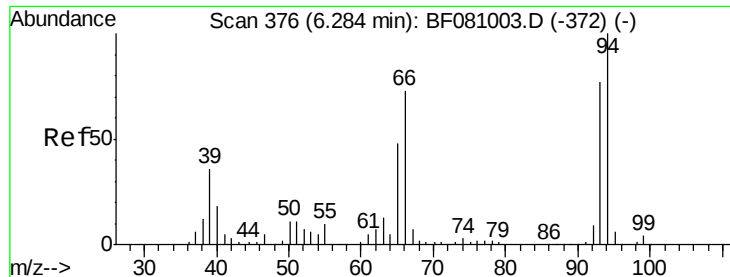


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.71 ng

RT: 6.27 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF081012.D

Acq: 17 Aug 2015 19:47

Instrument :

BNA_F

ClientSampleId :

TEC-1

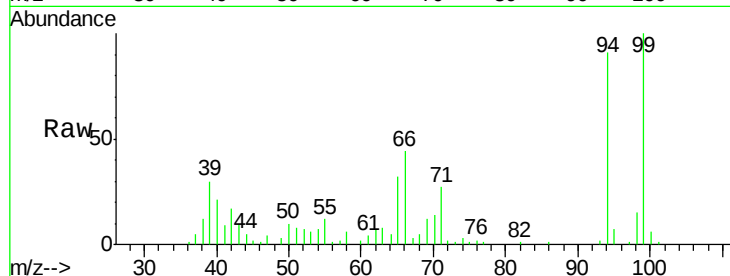
Tot Ion: 94 Resp: 27248

Ion Ratio Lower Upper

94 100

65 35.4 28.4 68.4

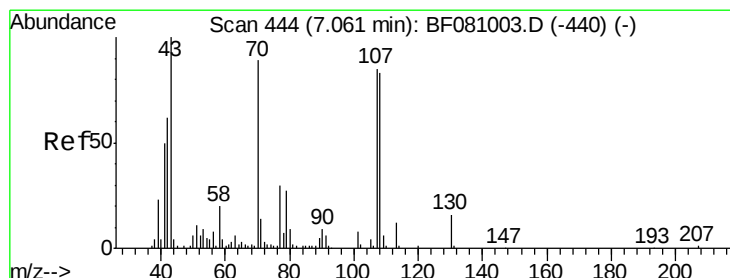
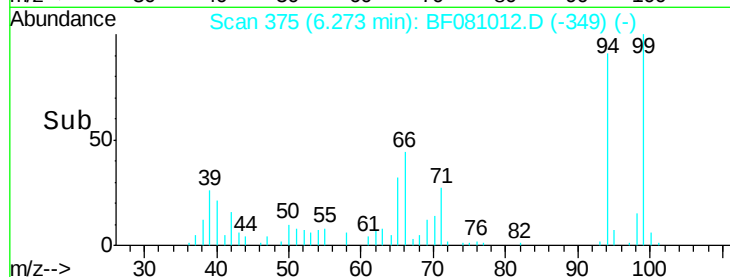
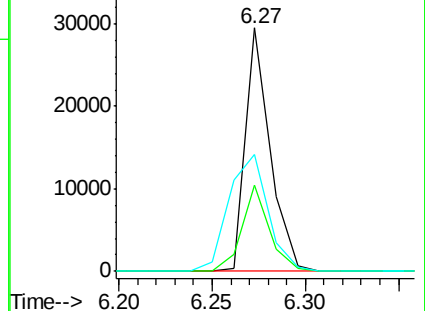
66 48.1 52.3 92.3#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 14.93 ng

RT: 7.20 min Scan# 456

Delta R.T. 0.15 min

Lab File: BF081012.D

Acq: 17 Aug 2015 19:47

Tgt Ion: 70 Resp: 64295

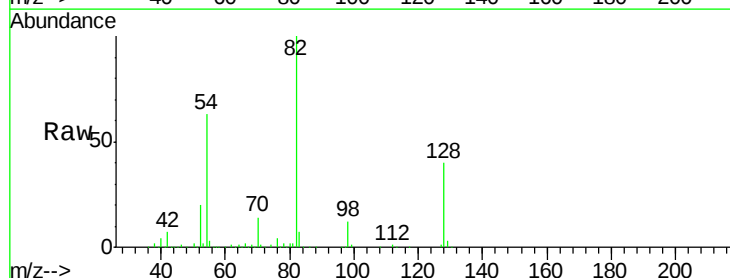
Ion Ratio Lower Upper

70 100

42 53.7 65.0 97.4#

101 0.0 7.4 11.2#

130 1.9 13.0 19.4#

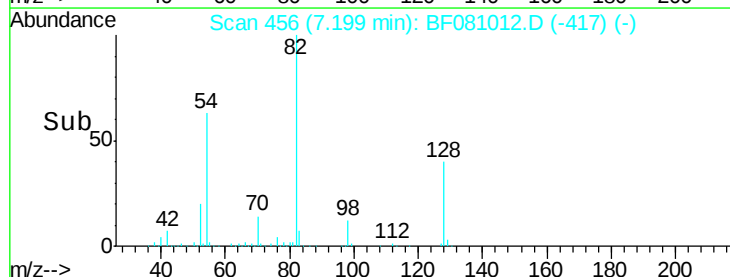
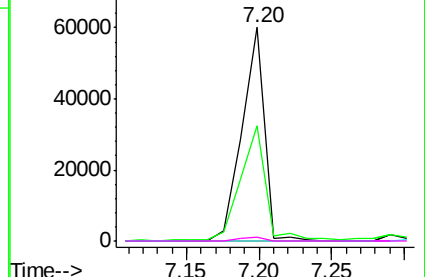


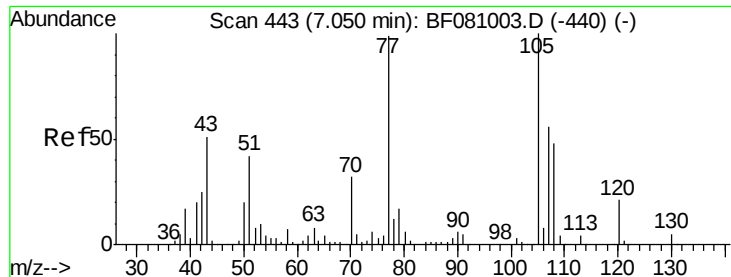
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

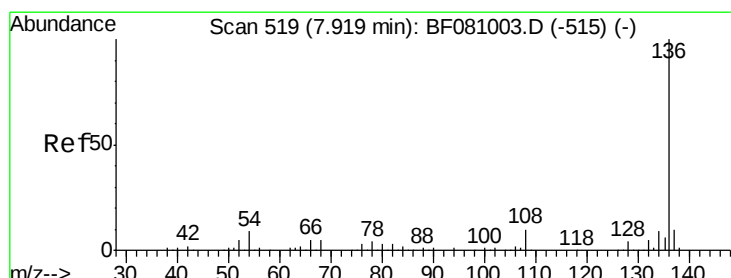
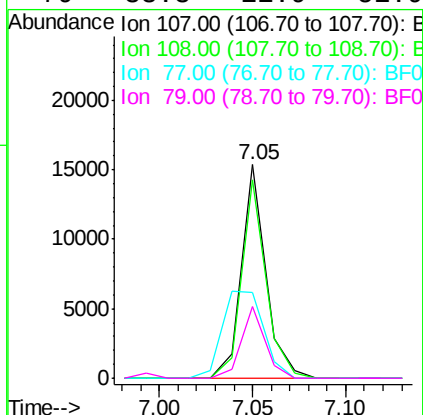
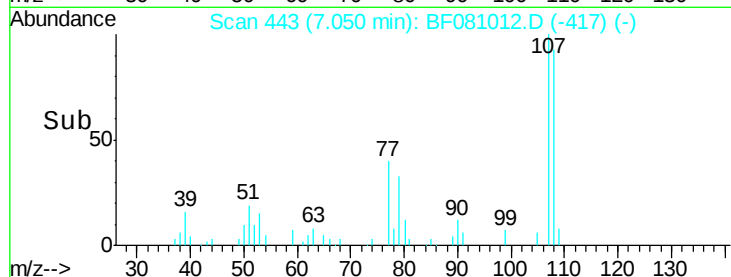
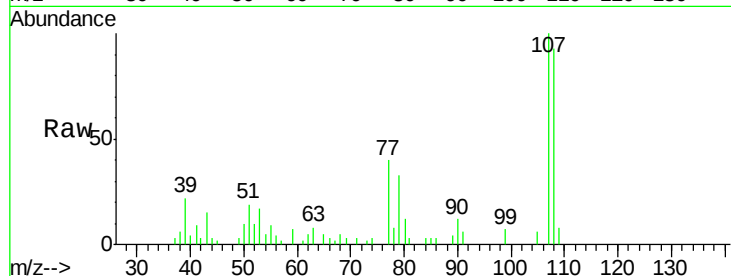




#20
3+4-Methylphenols
Concen: 2.48 ng
RT: 7.05 min Scan# 443
Delta R.T. -0.00 min
Lab File: BF081012.D
Acq: 17 Aug 2015 19:47

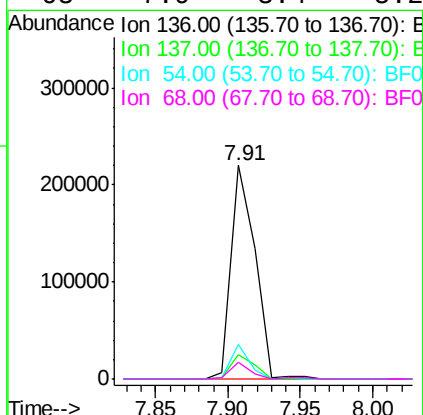
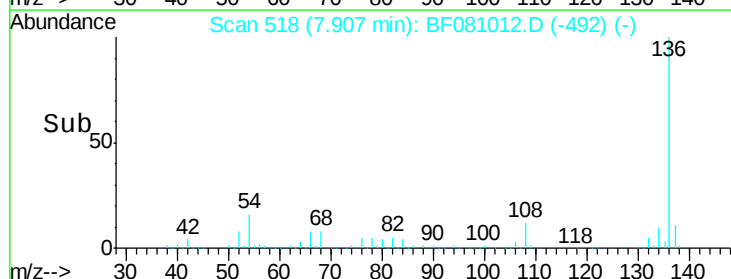
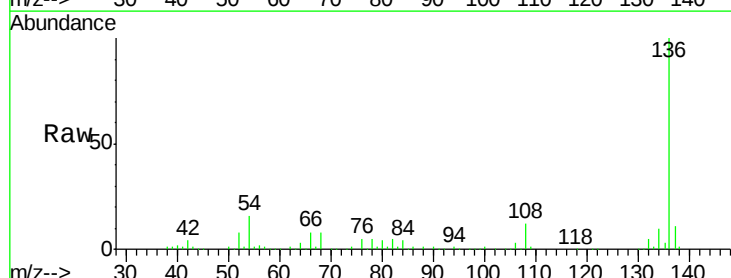
Instrument :
BNA_F
ClientSampleId :
TEC-1

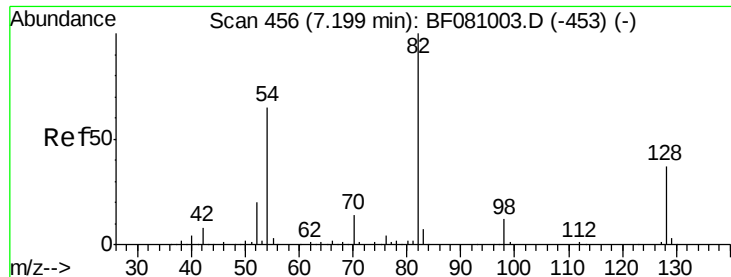
Tot Ion	Ratio	Lower	Upper
107	100		
108	93.2	66.1	106.1
77	40.4	139.3	179.3#
79	33.3	11.9	51.9



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 518
Delta R.T. -0.00 min
Lab File: BF081012.D
Acq: 17 Aug 2015 19:47

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.2	12.2
54	15.9	7.7	11.5#
68	7.9	3.4	5.2#

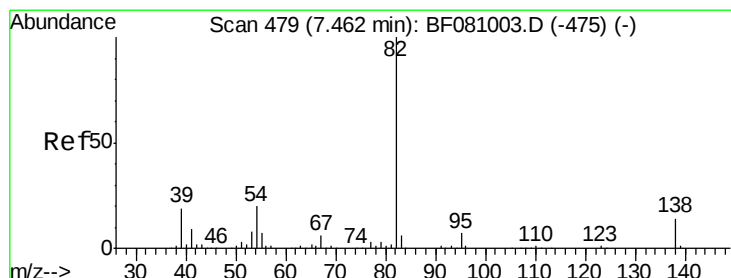
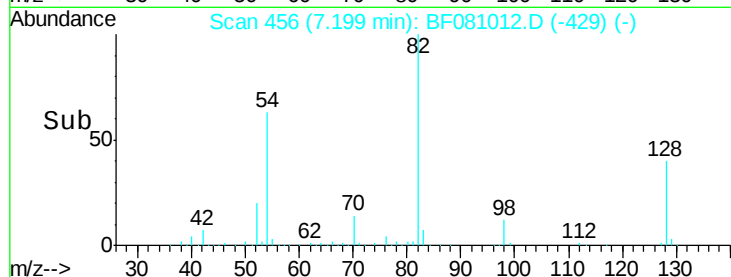
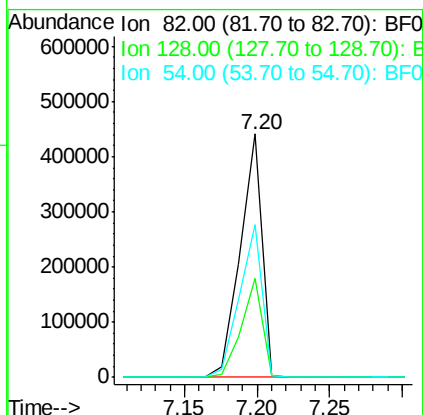
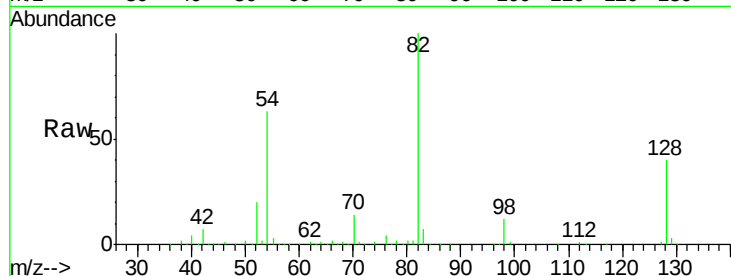




#23
Nitrobenzene-d5
Concen: 83.68 ng
RT: 7.20 min Scan# 456
Delta R.T. 0.01 min
Lab File: BF081012.D
Acq: 17 Aug 2015 19:47

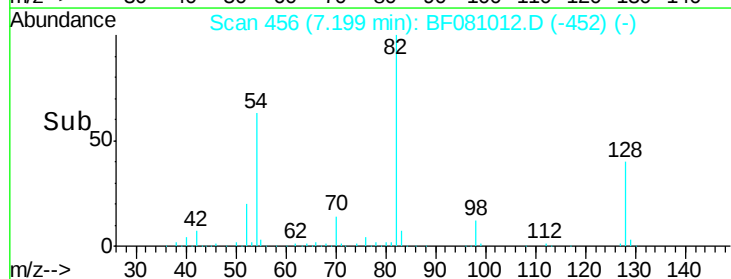
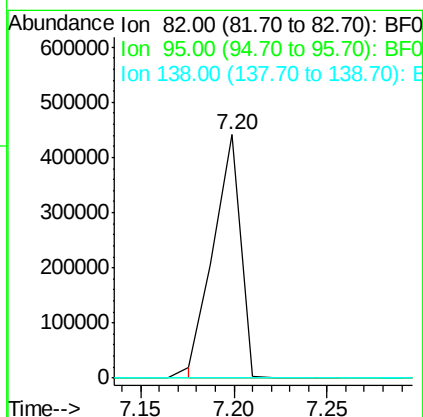
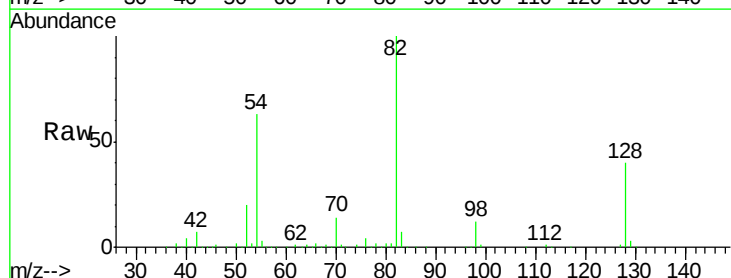
Instrument :
BNA_F
ClientSampleId :
TEC-1

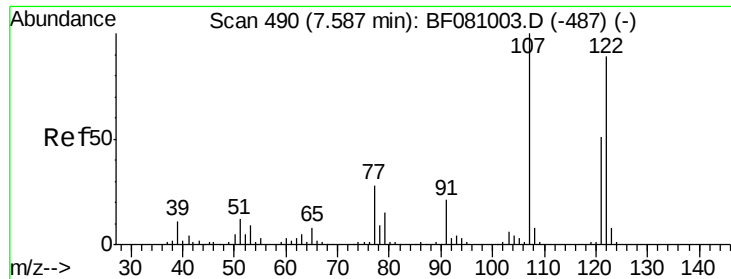
Tot Ion	82	Resp	461675
Ion Ratio	100	Lower	Upper
128	40.4	28.6	42.8
54	62.9	55.1	82.7



#25
Isophorone
Concen: 43.35 ng
RT: 7.20 min Scan# 456
Delta R.T. -0.25 min
Lab File: BF081012.D
Acq: 17 Aug 2015 19:47

Tgt Ion	82	Resp	445942
Ion Ratio	100	Lower	Upper
95	0.0	6.2	9.2#
138	0.0	10.5	15.7#





#27

2,4-Dimethylphenol

Concen: 24.28 ng

RT: 7.72 min Scan# 502

Delta R.T. 0.15 min

Lab File: BF081012.D

Acq: 17 Aug 2015 19:47

Instrument :

BNA_F

ClientSampleId :

TEC-1

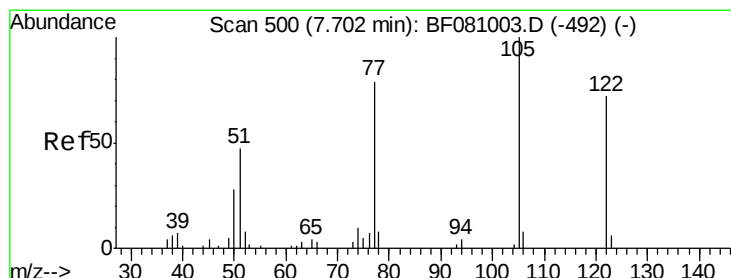
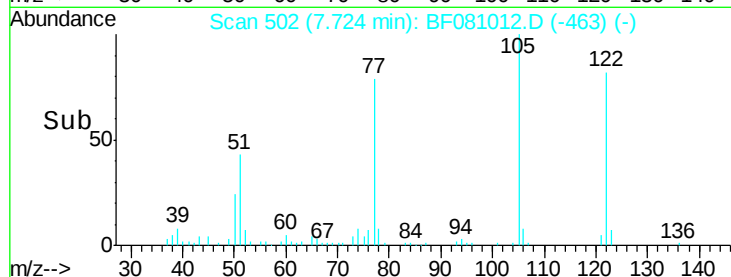
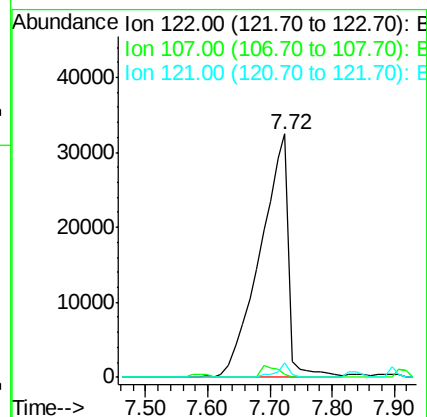
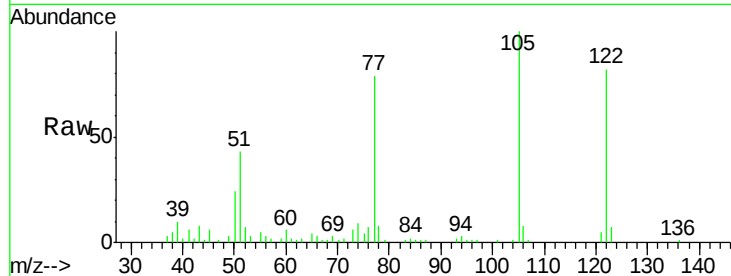
Tot Ion:122 Resp: 103058

Ion Ratio Lower Upper

122 100

107 1.4 103.8 155.6#

121 6.0 47.0 70.4#



#32

Benzoic acid

Concen: 43.17 ng

RT: 7.72 min Scan# 502

Delta R.T. 0.07 min

Lab File: BF081012.D

Acq: 17 Aug 2015 19:47

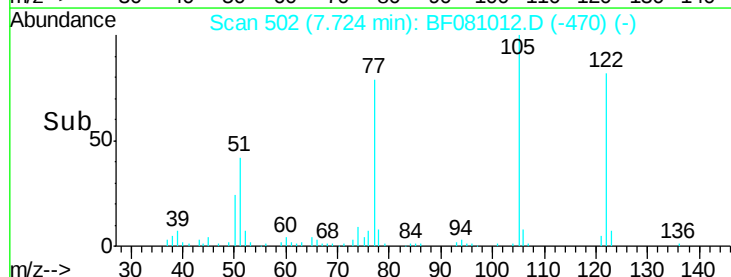
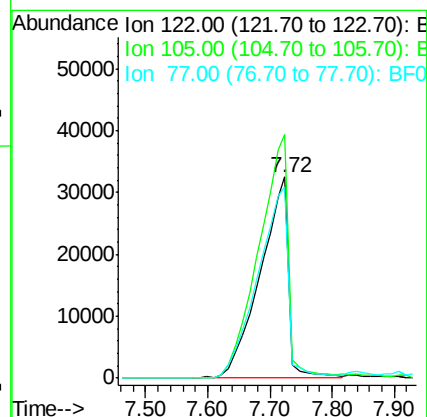
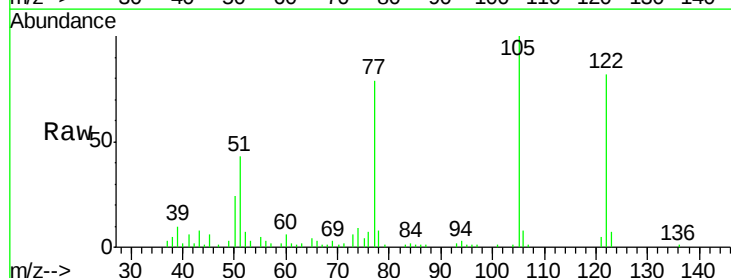
Tgt Ion:122 Resp: 103058

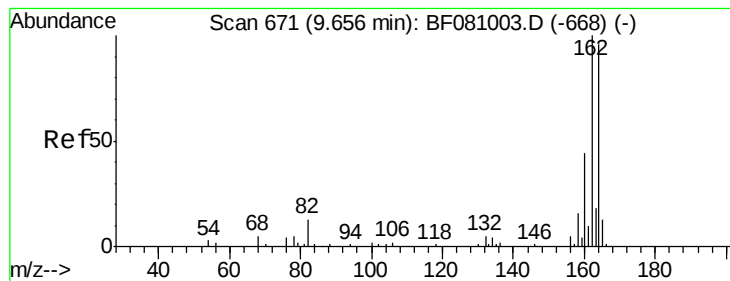
Ion Ratio Lower Upper

122 100

105 121.2 113.8 153.8

77 95.2 93.8 133.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 671

Delta R.T. -0.00 min

Lab File: BF081012.D

Acq: 17 Aug 2015 19:47

Instrument :

BNA_F

ClientSampleId :

TEC-1

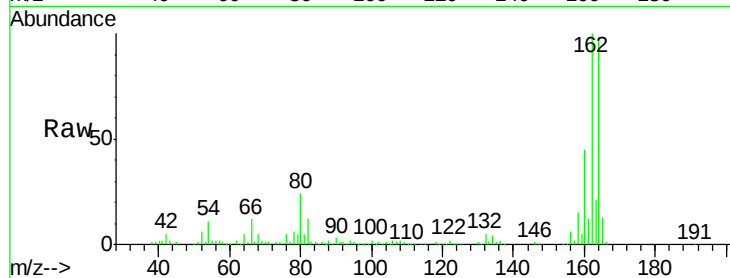
Tot Ion:164 Resp: 116610

Ion Ratio Lower Upper

164 100

162 101.7 83.8 125.8

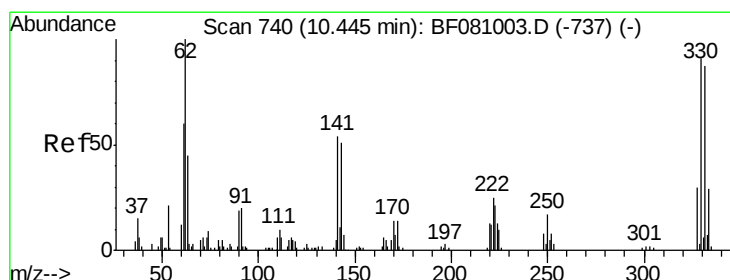
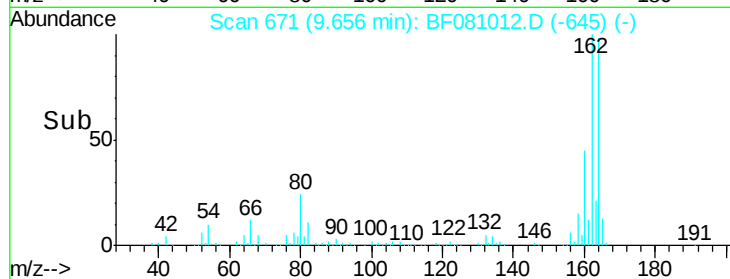
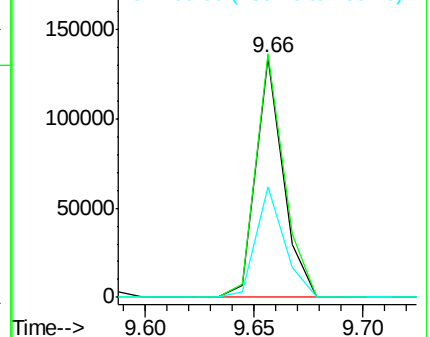
160 46.1 39.8 59.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 111.14 ng

RT: 10.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF081012.D

Acq: 17 Aug 2015 19:47

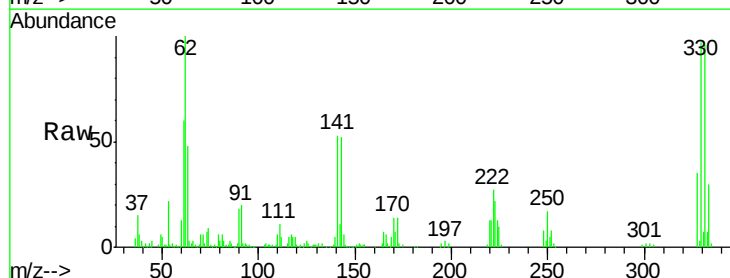
Tgt Ion:330 Resp: 112346

Ion Ratio Lower Upper

330 100

332 98.5 77.3 115.9

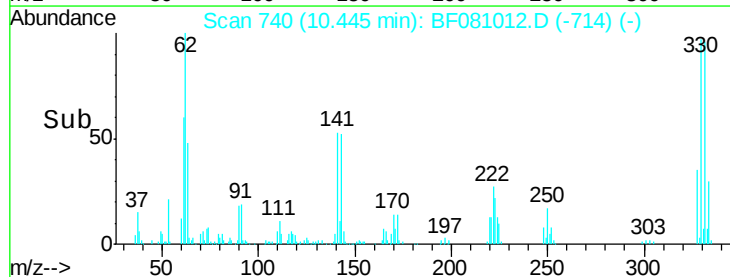
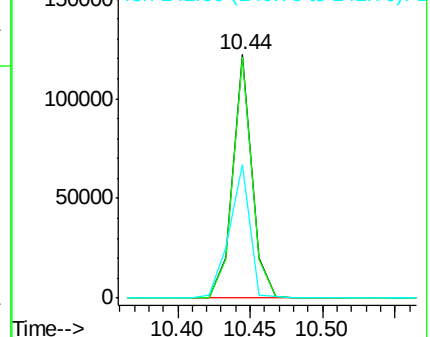
141 58.5 44.9 67.3

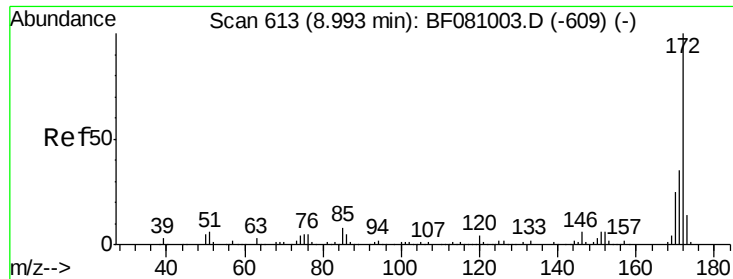


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

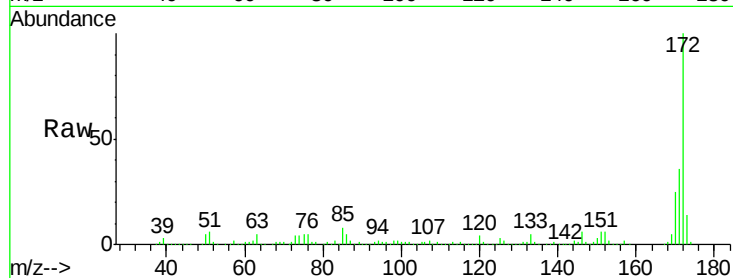




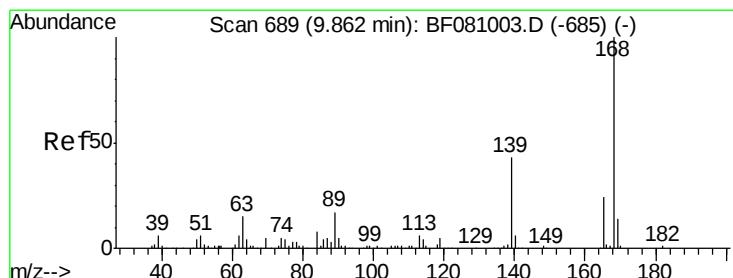
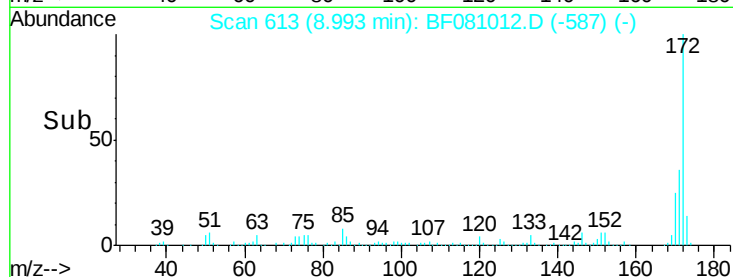
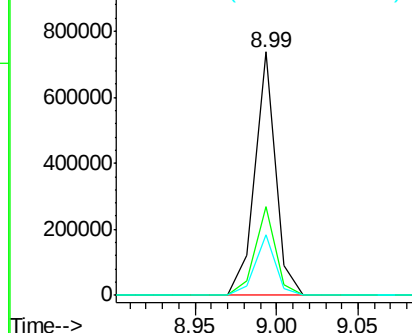
#44
2-Fluorobiphenyl
Concen: 73.57 ng
RT: 8.99 min Scan# 613
Delta R.T. -0.00 min
Lab File: BF081012.D
Acq: 17 Aug 2015 19:47

Instrument :
BNA_F
ClientSampleId :
TEC-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.9	43.3
170	24.8	19.4	29.2

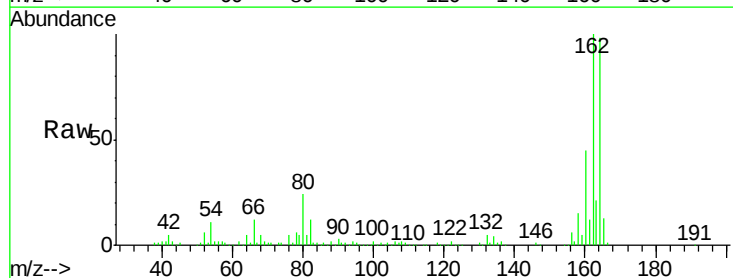


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

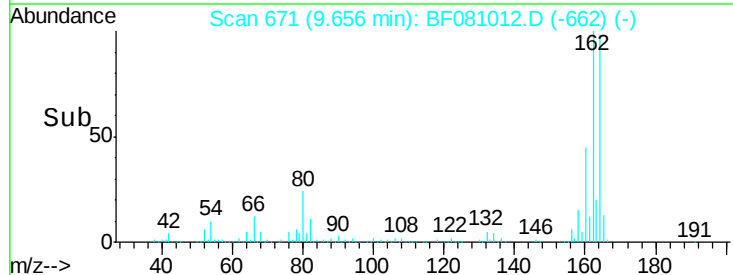
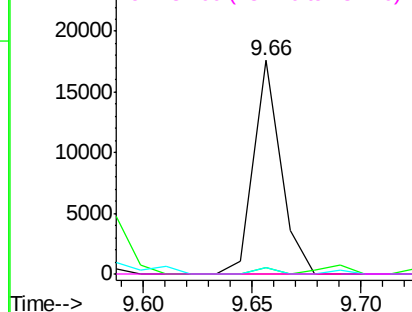


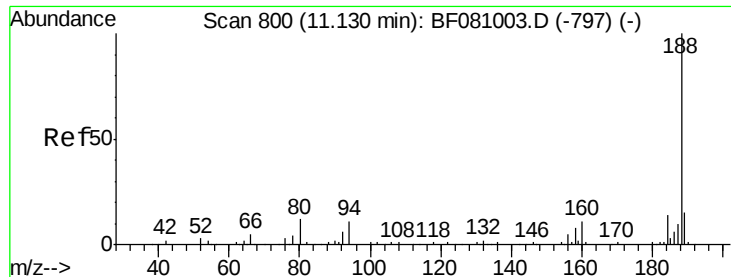
#56
2,4-Dinitrotoluene
Concen: 5.58 ng
RT: 9.66 min Scan# 671
Delta R.T. -0.19 min
Lab File: BF081012.D
Acq: 17 Aug 2015 19:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.9	52.2	78.4#
89	2.8	60.1	90.1#
182	0.0	1.8	2.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

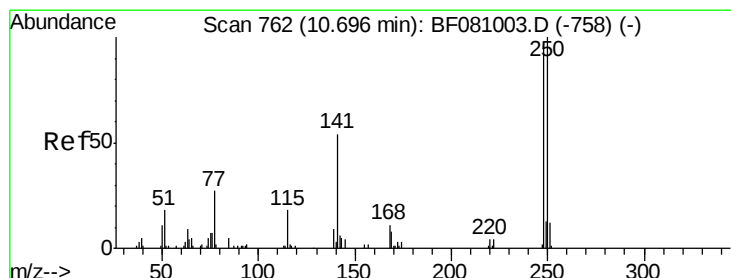
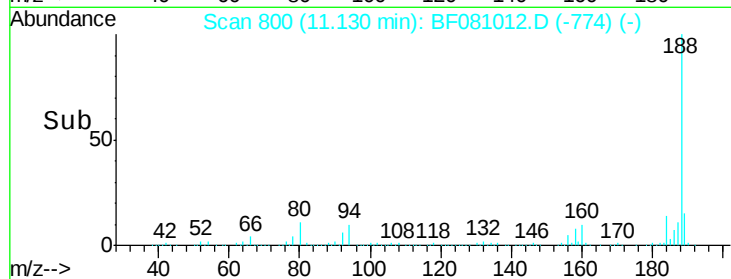
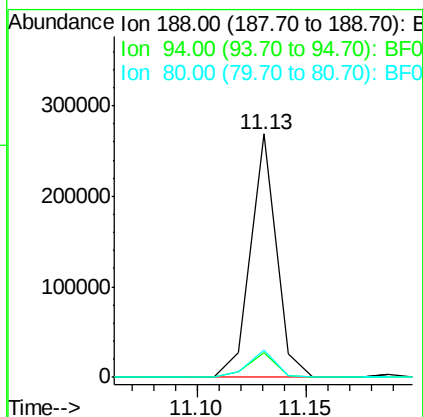
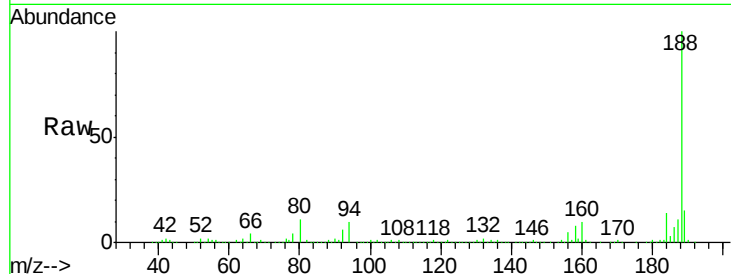




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: BF081012.D
 Acq: 17 Aug 2015 19:47

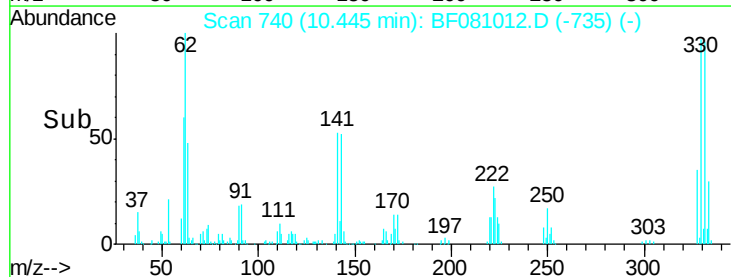
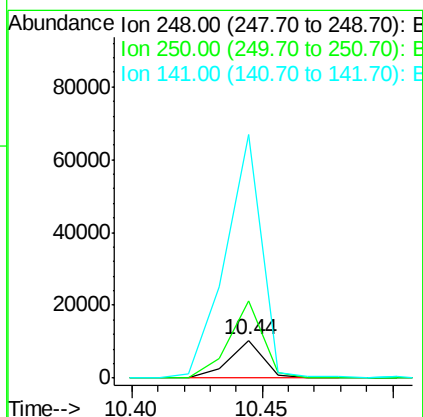
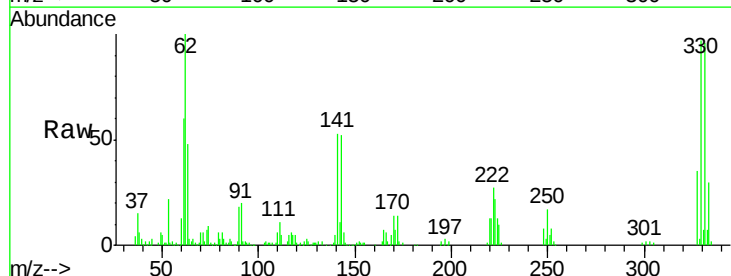
Instrument :
 BNA_F
 ClientSampleId :
 TEC-1

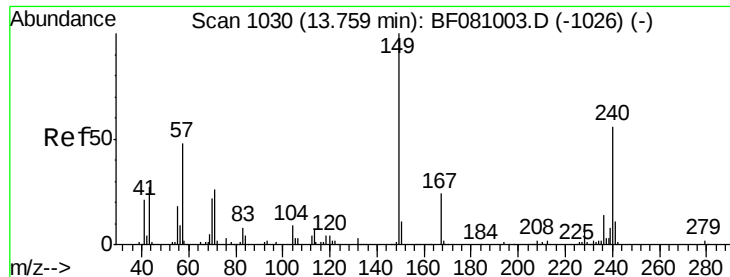
Tot Ion:188 Resp: 221466
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.2 12.2
 80 11.2 9.5 14.3



#66
 4-Bromophenyl-phenylether
 Concen: 4.31 ng
 RT: 10.44 min Scan# 740
 Delta R.T. -0.24 min
 Lab File: BF081012.D
 Acq: 17 Aug 2015 19:47

Tgt Ion:248 Resp: 9375
 Ion Ratio Lower Upper
 248 100
 250 201.7 77.8 116.6#
 141 639.6 39.8 59.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF081012.D

Acq: 17 Aug 2015 19:47

Instrument :

BNA_F

ClientSampleId :

TEC-1

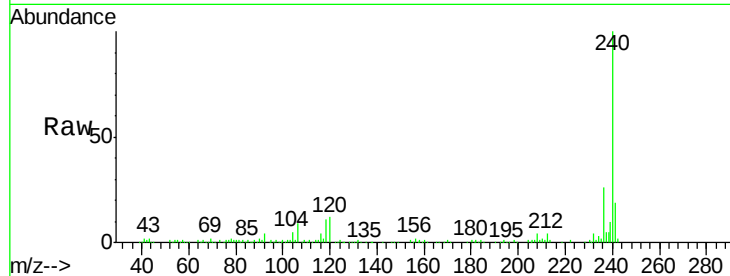
Tot Ion:240 Resp: 132522

Ion Ratio Lower Upper

240 100

120 12.0 5.6 8.4#

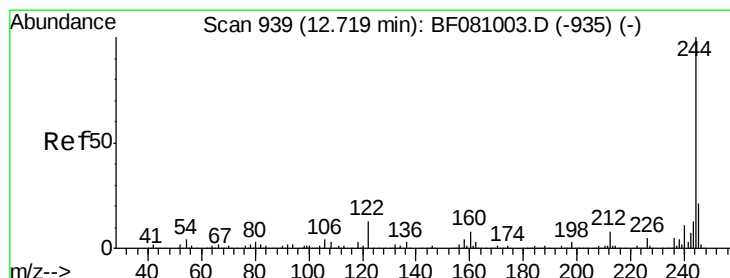
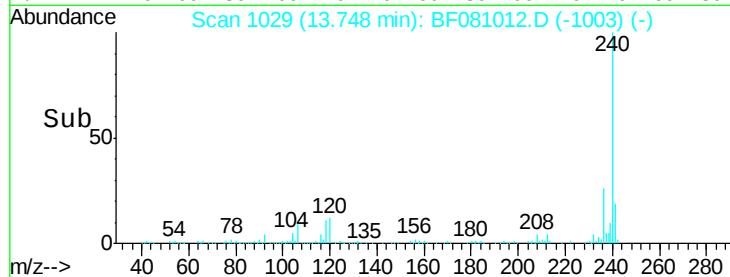
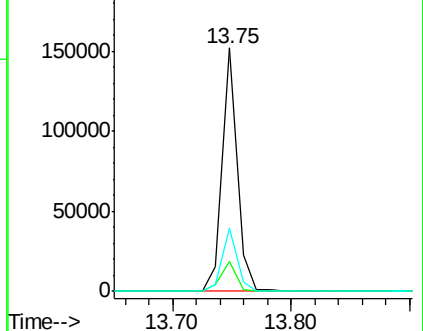
236 26.0 20.6 30.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 91.70 ng

RT: 12.72 min Scan# 939

Delta R.T. 0.01 min

Lab File: BF081012.D

Acq: 17 Aug 2015 19:47

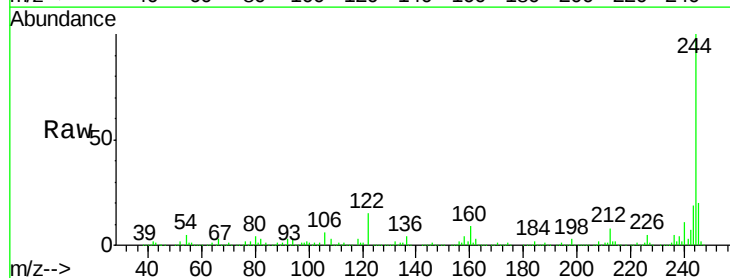
Tgt Ion:244 Resp: 566829

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

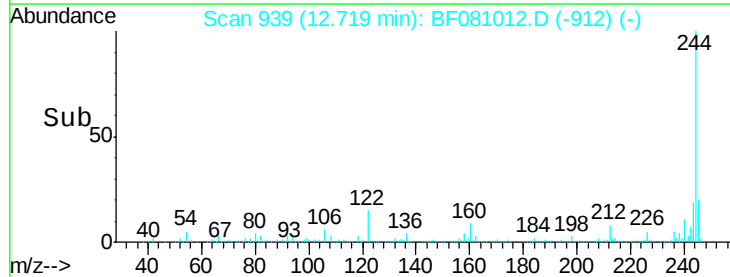
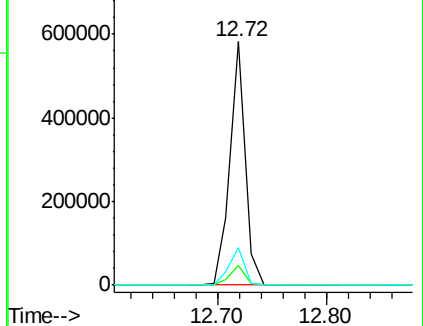
122 15.3 8.2 12.4#

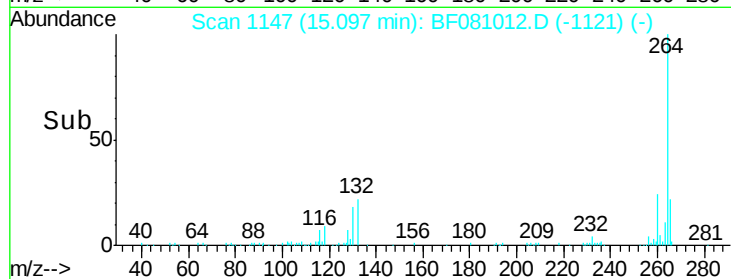
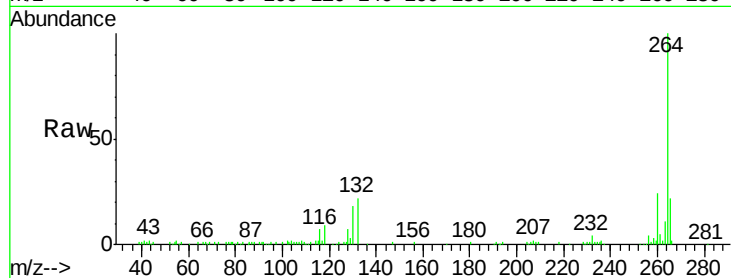
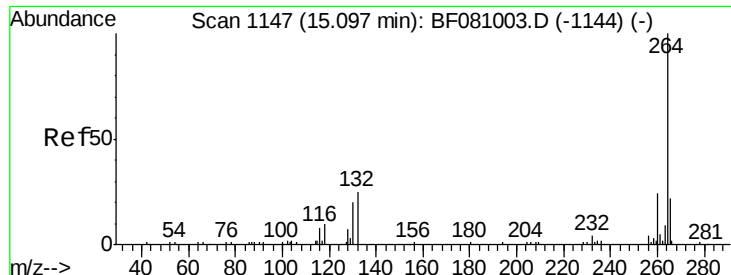


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.10 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: BF081012.D
 Acq: 17 Aug 2015 19:47

Instrument :
 BNA_F
 ClientSampleId :
 TEC-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.6	29.4
265	21.5	17.5	26.3

