

Data Path : Z:\HPCHEM1\BNA F\Data\BF011515\
 Data File : BF076900.D
 Acq On : 16 Jan 2015 2:24
 Operator : IZ / TP
 Sample : G1076-07
 Misc : S
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 03:13:36 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 15 11:52:04 2015
 Response via : Initial Calibration

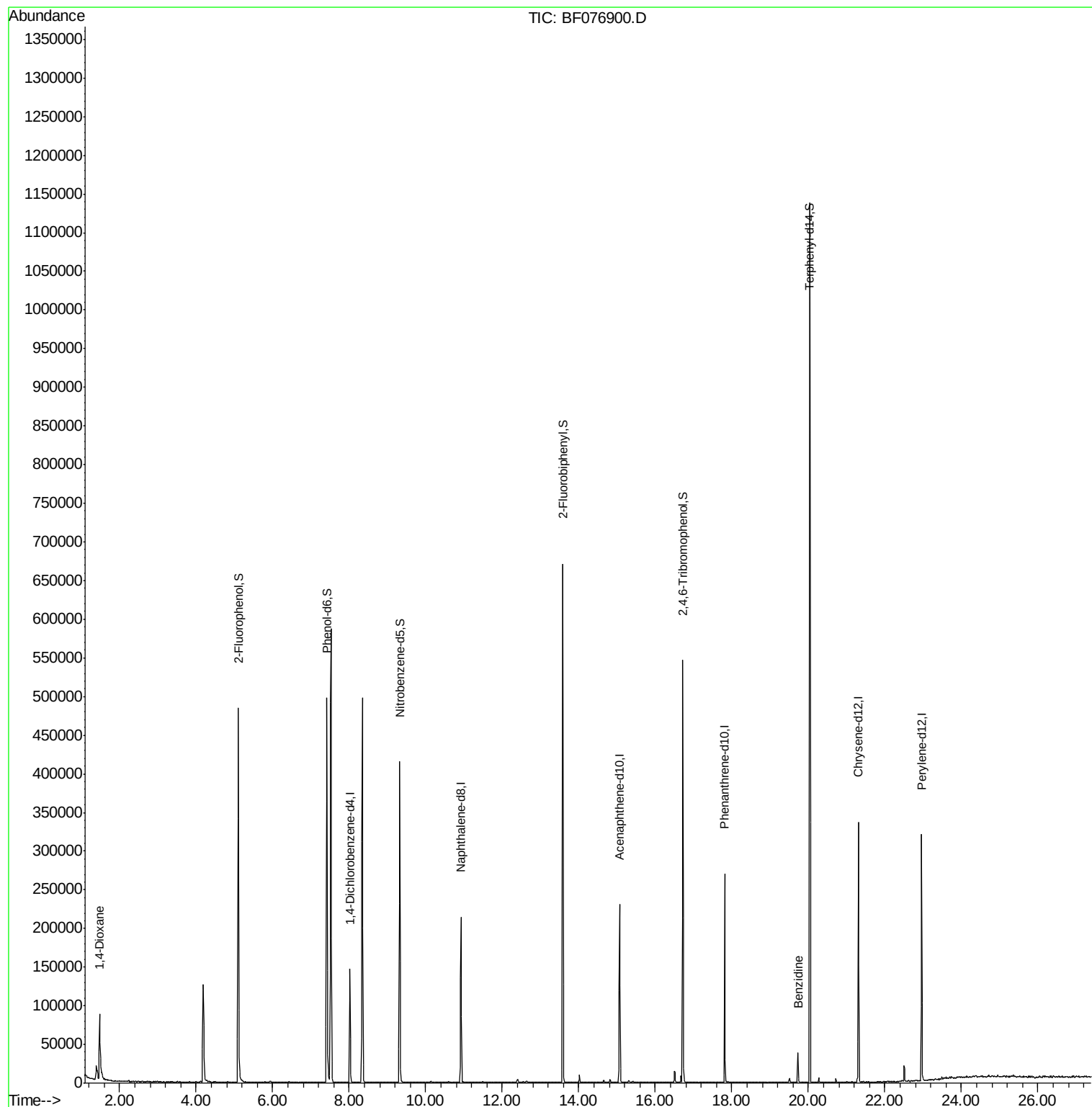
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	38292	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	162170	20.00	ng	0.00
38) Acenaphthene-d10	15.07	164	89111	20.00	ng	-0.01
63) Phenanthrene-d10	17.82	188	143927	20.00	ng	0.00
75) Chrysene-d12	21.31	240	139475	20.00	ng	0.00
86) Perylene-d12	22.96	264	138724	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	247070	106.09	ng	0.01
7) Phenol-d6	7.42	99	281077	95.67	ng	0.00
23) Nitrobenzene-d5	9.32	82	204542	69.88	ng	0.00
41) 2,4,6-Tribromophenol	16.72	330	73699	101.89	ng	0.00
44) 2-Fluorobiphenyl	13.59	172	406402	69.40	ng	0.00
78) Terphenyl-d14	20.04	244	404900	66.83	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.48	88	3986	4.00	ng	# 12
9) Benzaldehyde	7.05	77	215	Below Cal		# 1
76) Benzidine	19.73	184	27219	6.10	ng	98

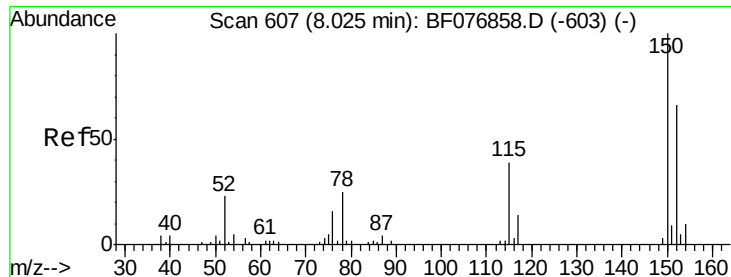
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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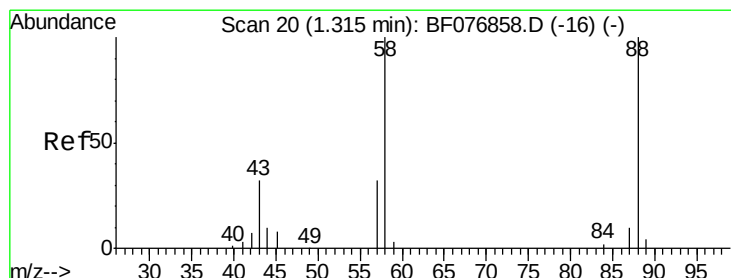
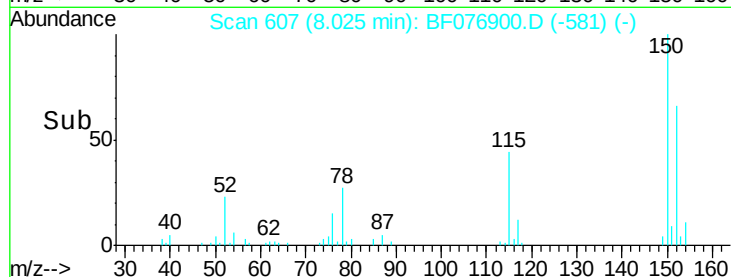
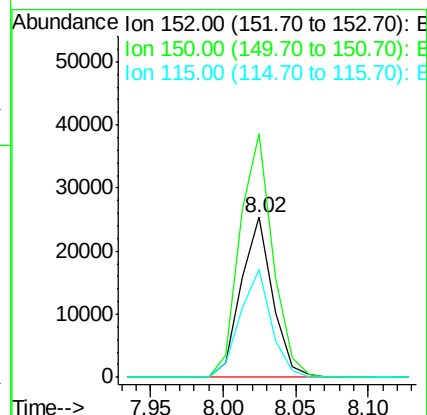
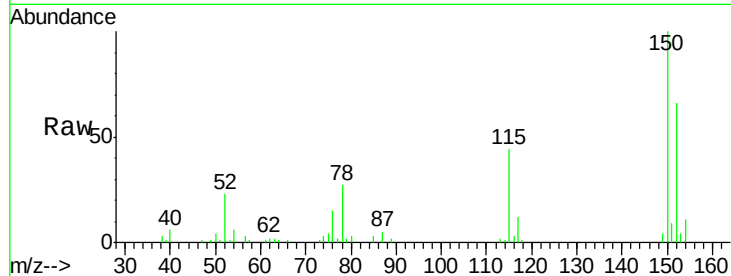


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.02 min Scan# 607
Delta R.T. 0.00 min
Lab File: BF076900.D
Acq: 16 Jan 2015 2:24

Instrument :
BNA_F
ClientSampleId :

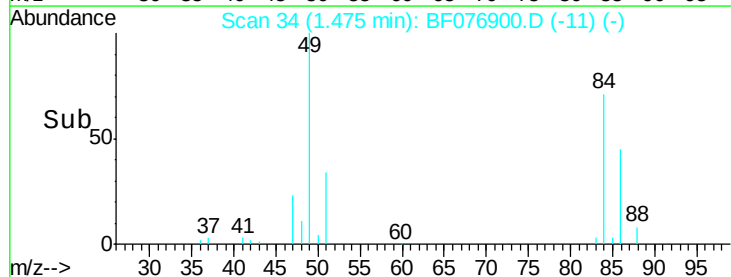
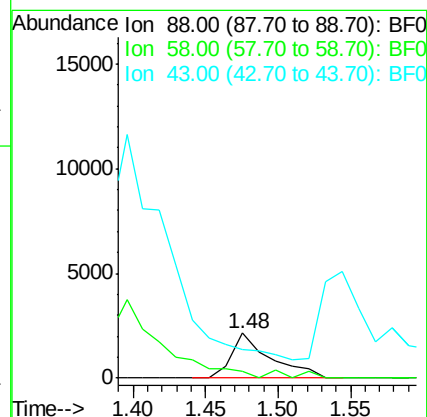
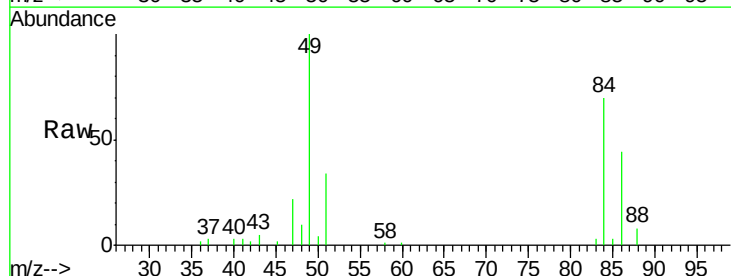
Tot Ion:152 Resp: 38292
Ion Ratio Lower Upper
152 100
150 152.0 121.7 182.5
115 67.6 47.0 70.6

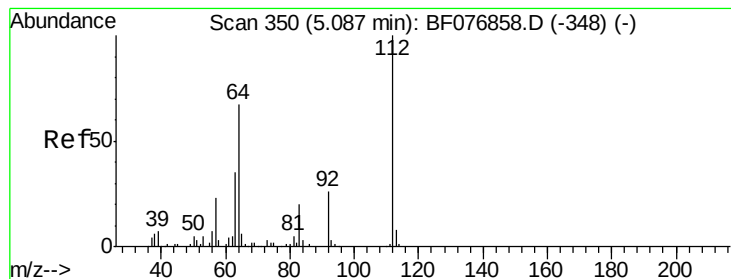


#2

1,4-Dioxane
Concen: 4.00 ng
RT: 1.48 min Scan# 34
Delta R.T. 0.16 min
Lab File: BF076900.D
Acq: 16 Jan 2015 2:24

Tgt Ion: 88 Resp: 3986
Ion Ratio Lower Upper
88 100
58 0.0 77.0 115.4#
43 0.0 25.6 38.4#





#5

2-Fluorophenol

Concen: 106.09 ng

RT: 5.10 min Scan# 351

Delta R.T. 0.01 min

Lab File: BF076900.D

Acq: 16 Jan 2015 2:24

Instrument :

BNA_F

ClientSampleId :

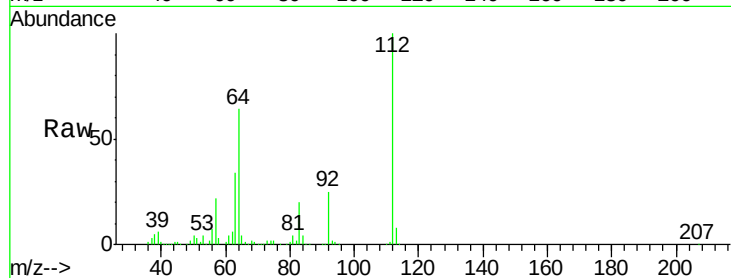
Tot Ion:112 Resp: 247070

Ion Ratio Lower Upper

112 100

64 63.8 54.2 81.4

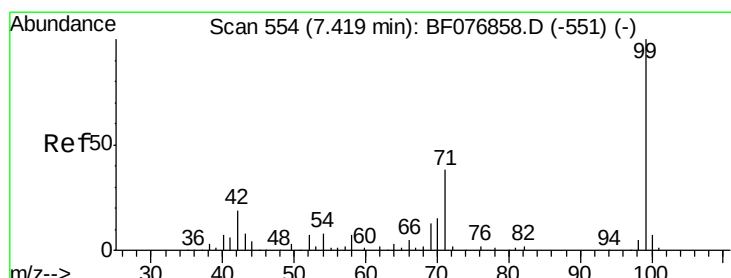
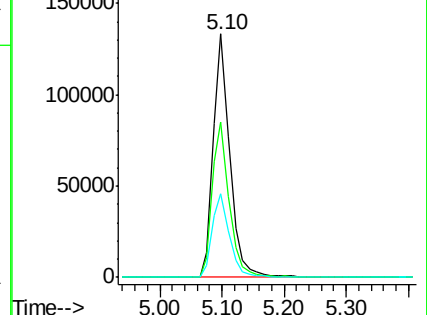
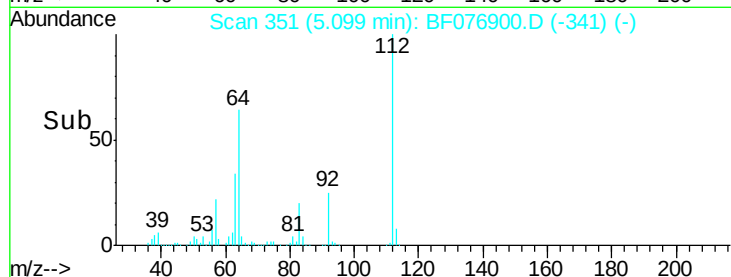
63 34.3 28.4 42.6



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: 95.67 ng

RT: 7.42 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF076900.D

Acq: 16 Jan 2015 2:24

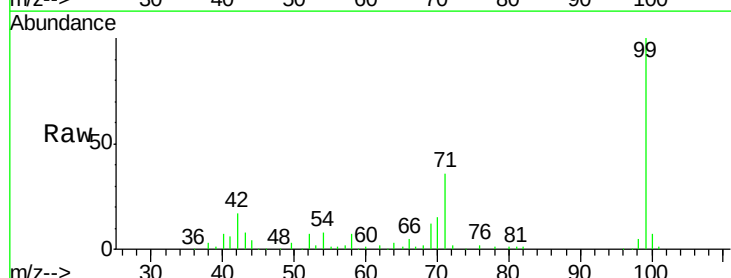
Tgt Ion: 99 Resp: 281077

Ion Ratio Lower Upper

99 100

42 17.1 15.0 22.4

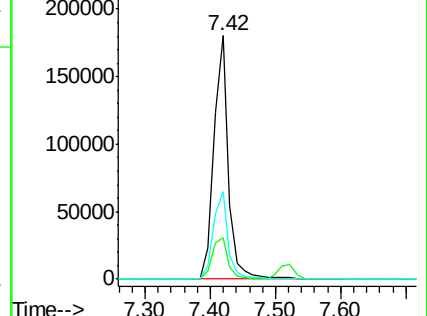
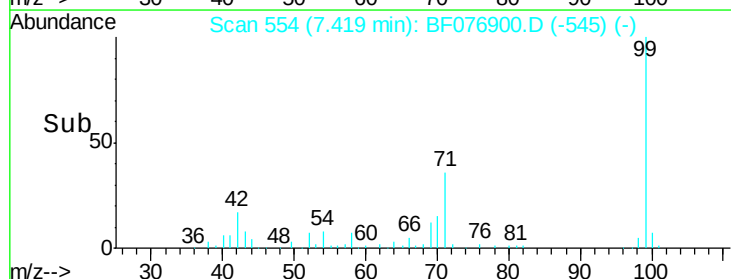
71 35.8 30.5 45.7

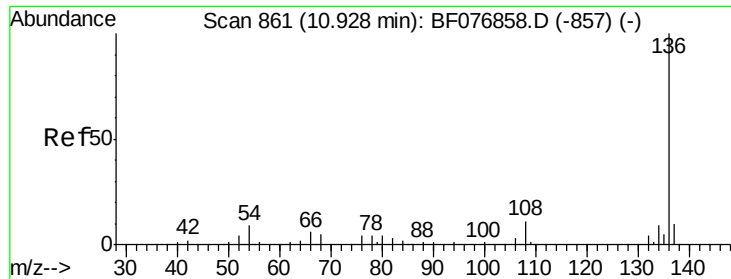


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

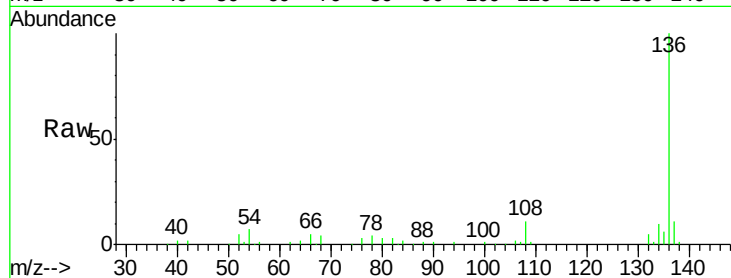




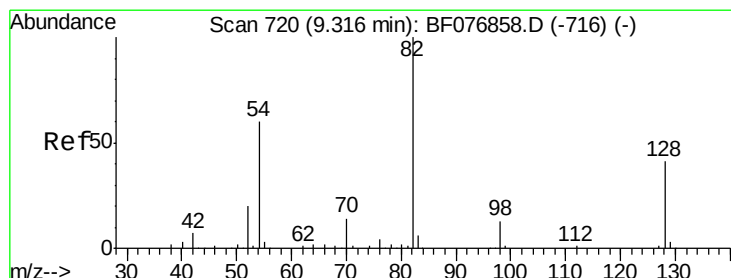
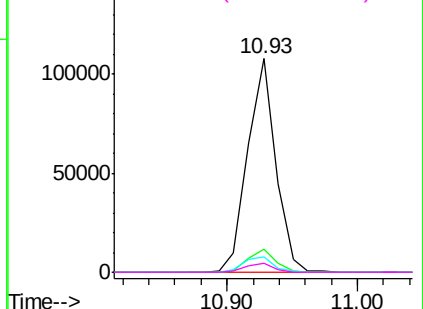
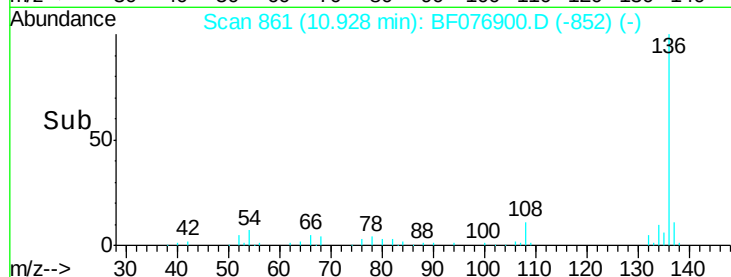
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.93 min Scan# 861
Delta R.T. 0.00 min
Lab File: BF076900.D
Acq: 16 Jan 2015 2:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	162170
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.1 12.1
54	7.1	7.0 10.4
68	4.0	3.7 5.5

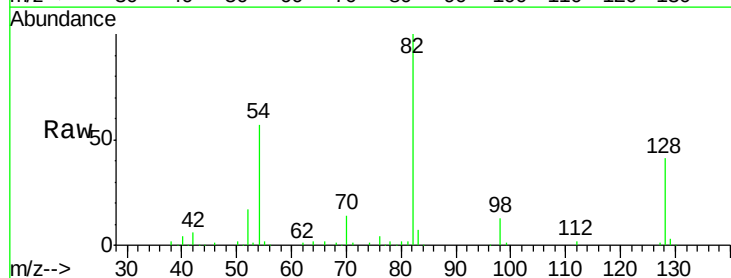


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

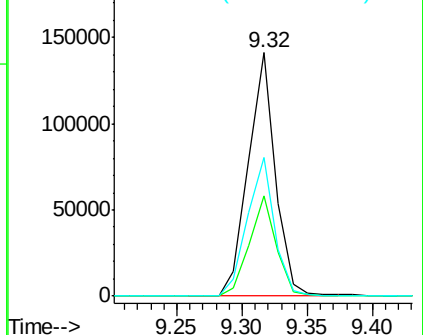
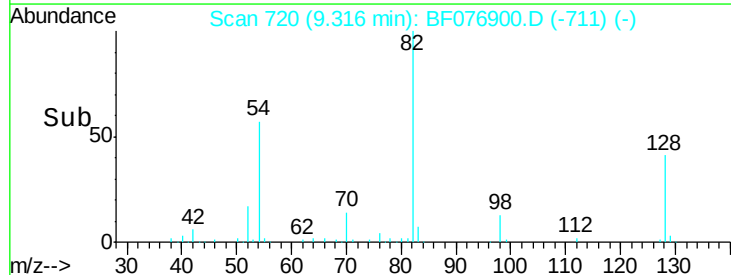


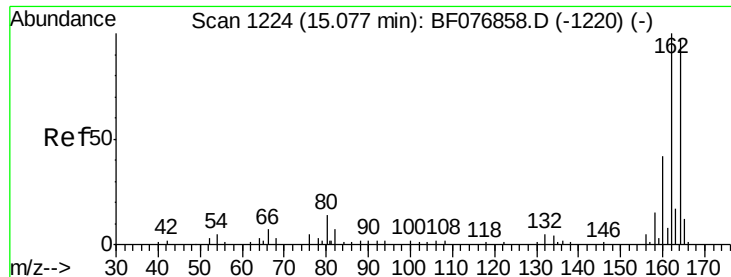
#23
Nitrobenzene-d5
Concen: 69.88 ng
RT: 9.32 min Scan# 720
Delta R.T. 0.00 min
Lab File: BF076900.D
Acq: 16 Jan 2015 2:24

Tgt Ion: 82	Resp:	204542
Ion Ratio	Lower	Upper
82	100	
128	41.1	33.1 49.7
54	57.0	48.3 72.5



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.07 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BF076900.D

Acq: 16 Jan 2015 2:24

Instrument :

BNA_F

ClientSampleId :

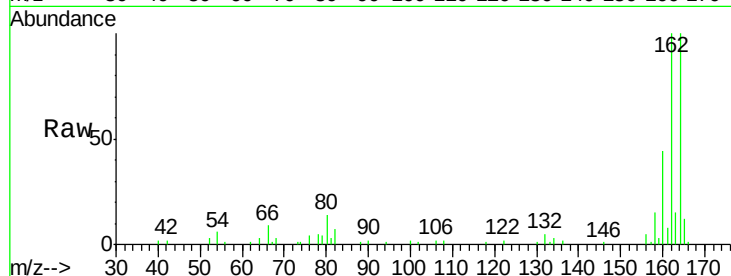
Tot Ion:164 Resp: 89111

Ion Ratio Lower Upper

164 100

162 99.7 82.4 123.6

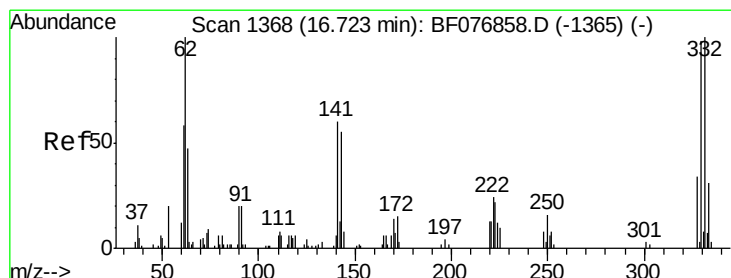
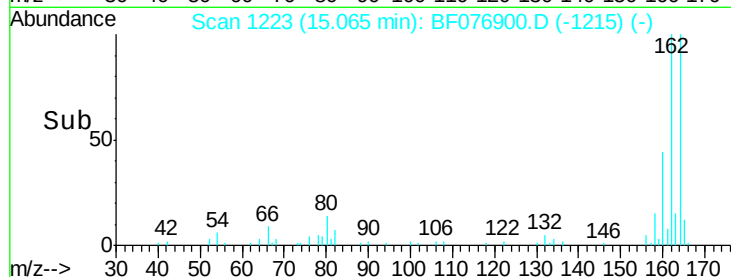
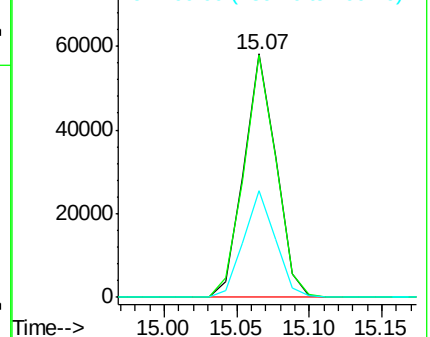
160 43.6 34.8 52.2



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: 101.89 ng

RT: 16.72 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BF076900.D

Acq: 16 Jan 2015 2:24

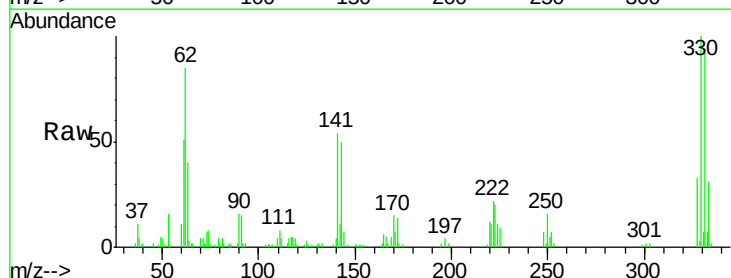
Tgt Ion:330 Resp: 73699

Ion Ratio Lower Upper

330 100

332 96.4 77.8 116.6

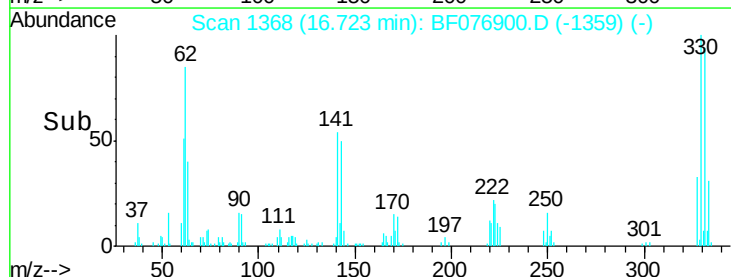
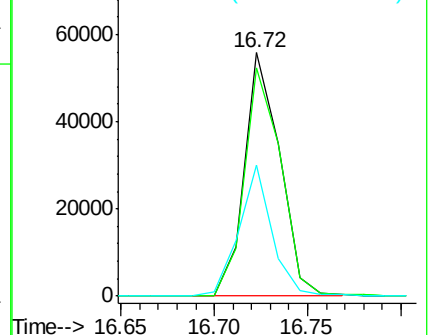
141 50.1 38.5 57.7

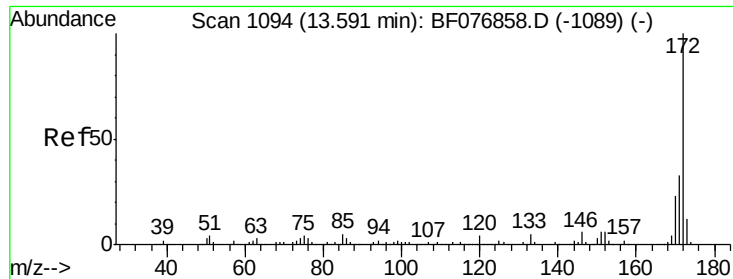


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

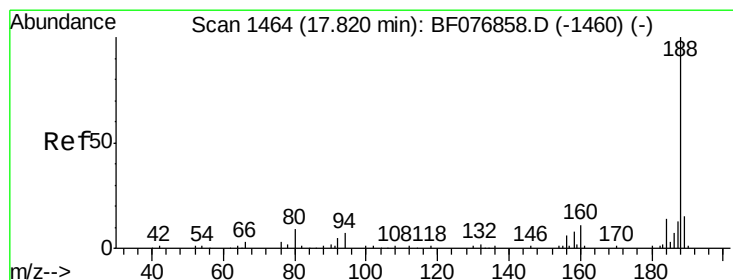
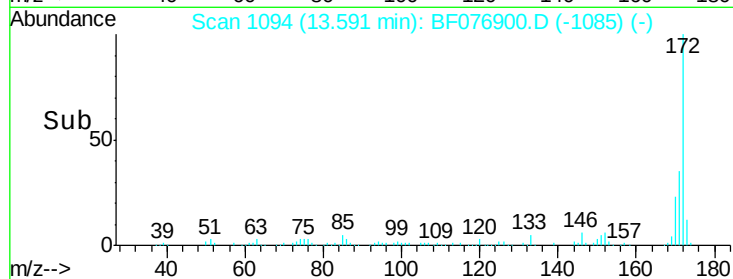
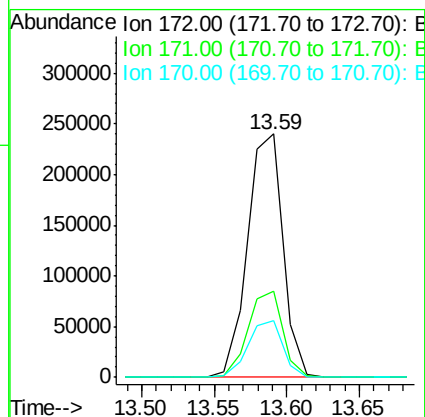
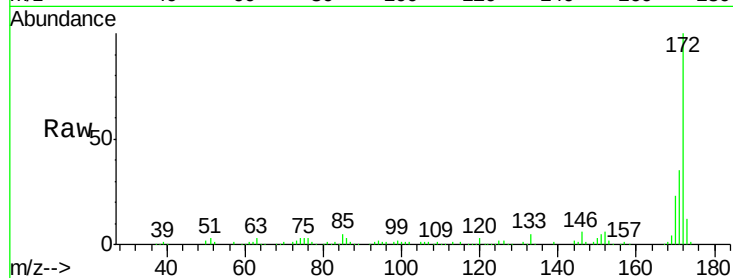




#44
 2-Fluorobiphenyl
 Concen: 69.40 ng
 RT: 13.59 min Scan# 1094
 Delta R.T. 0.00 min
 Lab File: BF076900.D
 Acq: 16 Jan 2015 2:24

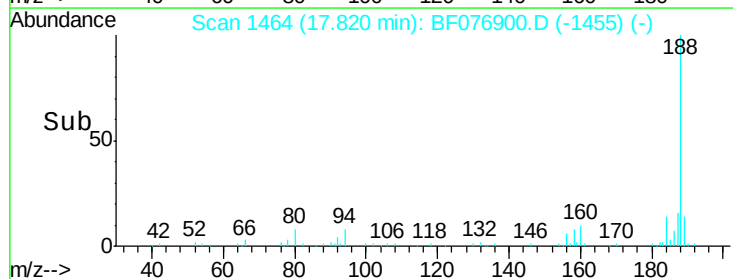
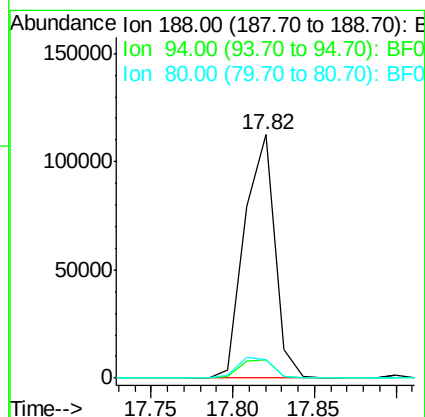
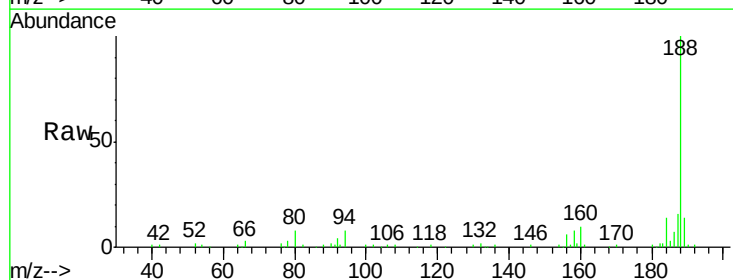
Instrument :
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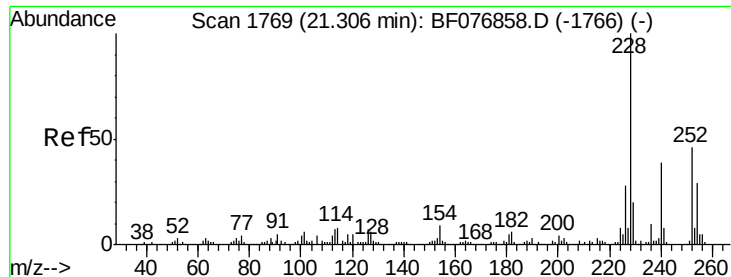
Tot Ion:172 Resp: 406402
 Ion Ratio Lower Upper
 172 100
 171 35.3 26.6 40.0
 170 23.4 18.0 27.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.82 min Scan# 1464
 Delta R.T. 0.00 min
 Lab File: BF076900.D
 Acq: 16 Jan 2015 2:24

Tgt Ion:188 Resp: 143927
 Ion Ratio Lower Upper
 188 100
 94 7.7 6.0 9.0
 80 7.5 6.9 10.3

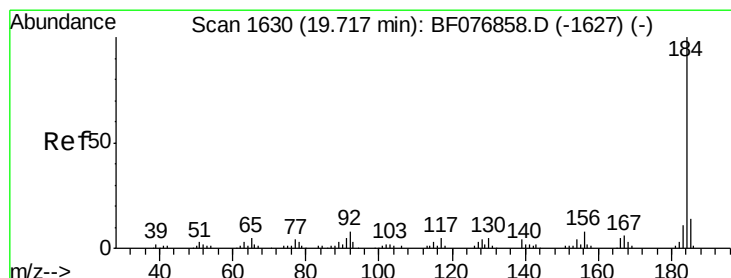
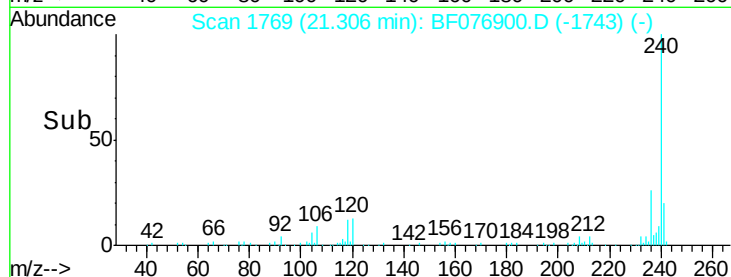
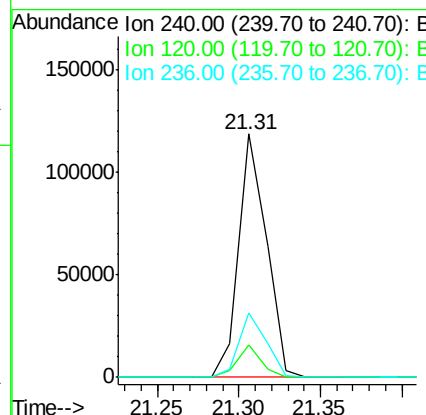
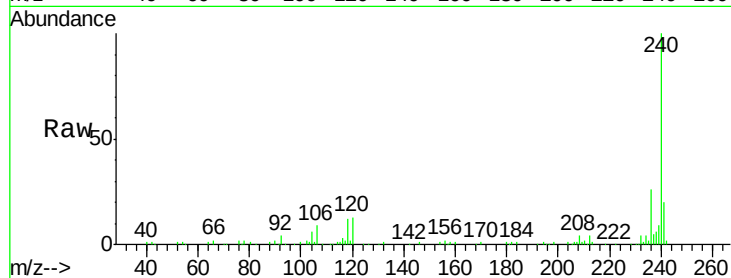




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.31 min Scan# 1769
Delta R.T. 0.00 min
Lab File: BF076900.D
Acq: 16 Jan 2015 2:24

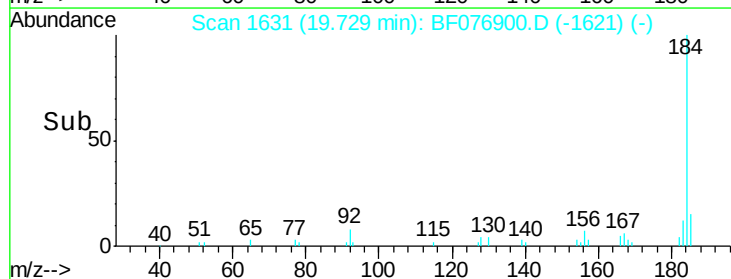
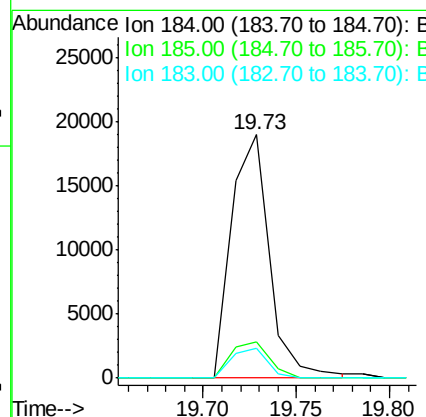
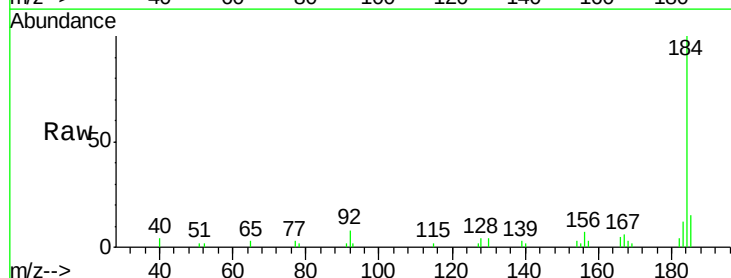
Instrument :
BNA_F
ClientSampleId :

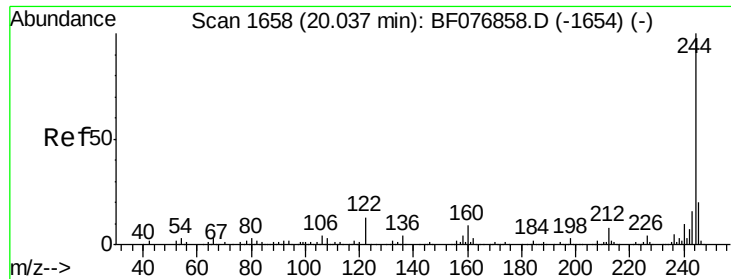
Tot Ion:240 Resp: 139475
Ion Ratio Lower Upper
240 100
120 13.3 10.4 15.6
236 26.4 20.2 30.2



#76
Benzidine
Concen: 6.10 ng
RT: 19.73 min Scan# 1631
Delta R.T. 0.01 min
Lab File: BF076900.D
Acq: 16 Jan 2015 2:24

Tgt Ion:184 Resp: 27219
Ion Ratio Lower Upper
184 100
185 14.6 11.4 17.2
183 12.4 9.0 13.6

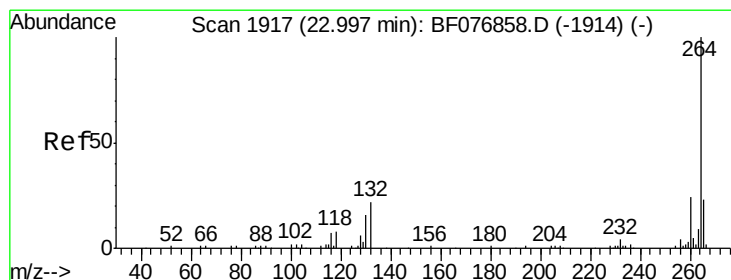
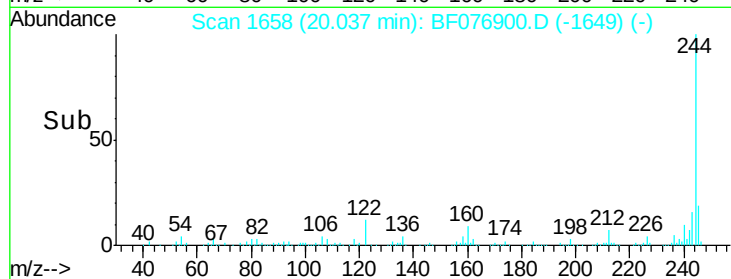
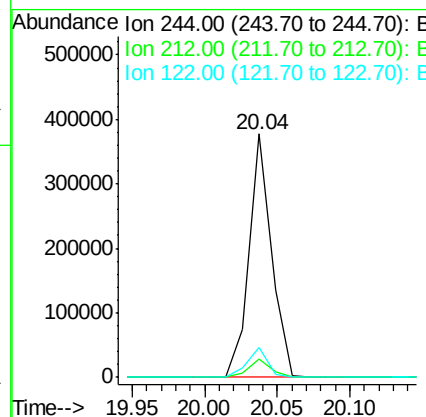
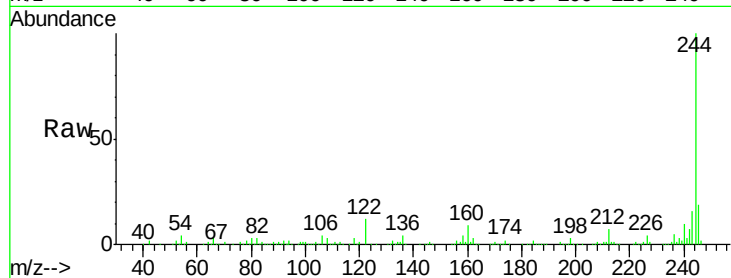




#78
 Terphenyl-d14
 Concen: 66.83 ng
 RT: 20.04 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: BF076900.D
 Acq: 16 Jan 2015 2:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.3	9.5
122	12.4	10.1	15.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 22.96 min Scan# 1914
 Delta R.T. -0.03 min
 Lab File: BF076900.D
 Acq: 16 Jan 2015 2:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	21.0	18.1	27.1

