

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090916\
 Data File : BF090051.D
 Acq On : 9 Sep 2016 17:29
 Operator : UM/SJ
 Sample : H4736-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 090816-DRDC-E-U-M

Quant Time: Sep 09 18:38:07 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 08 16:07:52 2016
 Response via : Initial Calibration

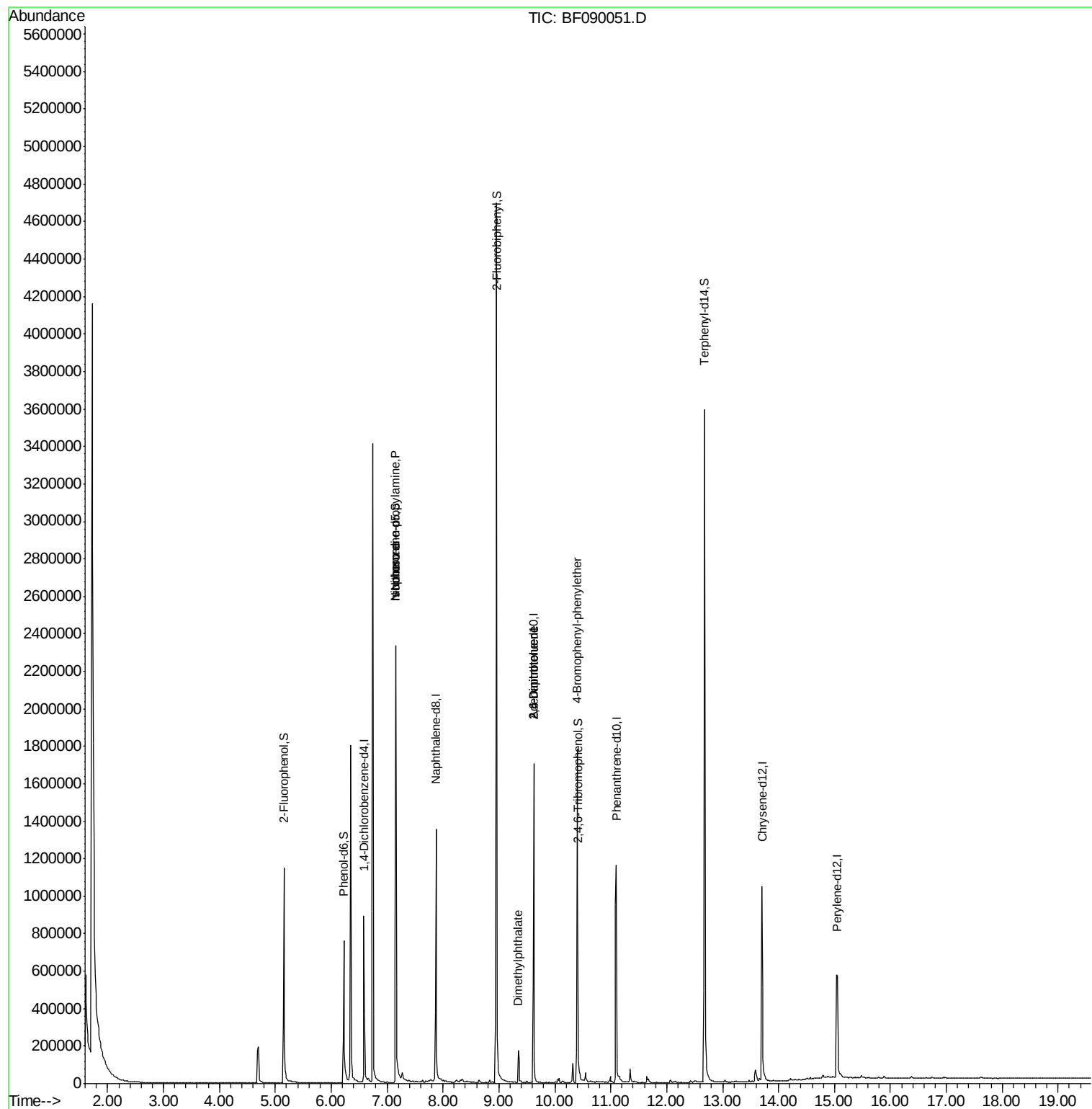
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	170628	20.00	ng	-0.02
21) Naphthalene-d8	7.87	136	725191	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	384186	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	732659	20.00	ng	-0.01
75) Chrysene-d12	13.70	240	481055	20.00	ng	-0.02
86) Perylene-d12	15.05	264	364826	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	409028	38.37	ng	-0.01
7) Phenol-d6	6.23	99	359529	27.76	ng	-0.02
23) Nitrobenzene-d5	7.15	82	906893	72.53	ng	-0.02
41) 2,4,6-Tribromophenol	10.41	330	305279	80.54	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	1958771	83.69	ng	-0.01
78) Terphenyl-d14	12.67	244	1876248	96.35	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.15	70	117577	13.93	ng	# 83
25) Isophorone	7.15	82	760165	29.90	ng	# 65
49) Dimethylphthalate	9.35	163	101889	3.67	ng	100
50) 2,6-Dinitrotoluene	9.62	165	47874	7.75	ng	# 26
56) 2,4-Dinitrotoluene	9.62	165	47876	6.11	ng	# 29
66) 4-Bromophenyl-phenylether	10.40	248	19314	2.62	ng	# 1

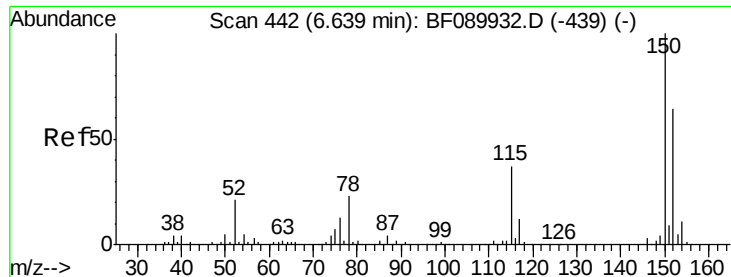
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF090051.D

Acq: 9 Sep 2016 17:29

Instrument :

BNA_F

ClientSampleId :

090816-DRDC-E-U-M

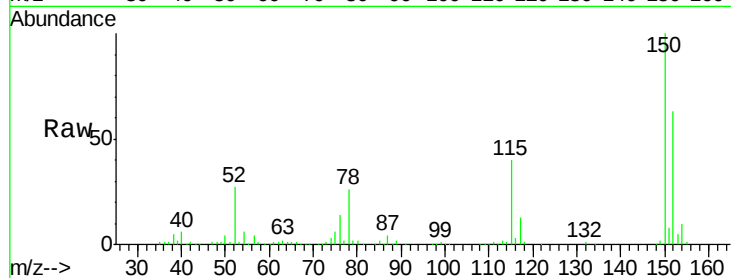
Tgt Ion:152 Resp: 170628

Ion Ratio Lower Upper

152 100

150 159.3 127.4 191.2

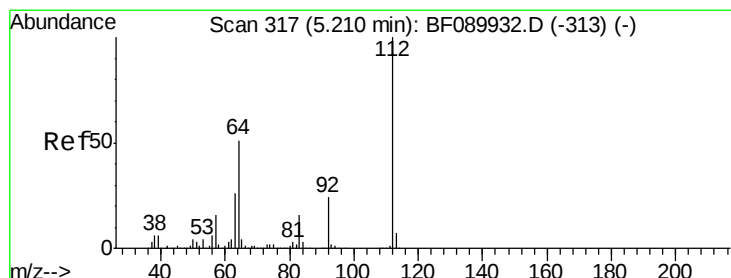
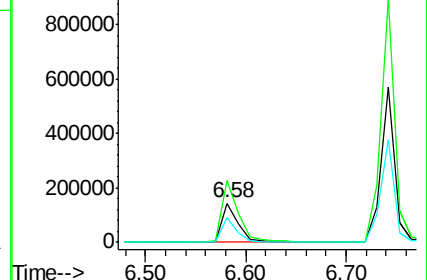
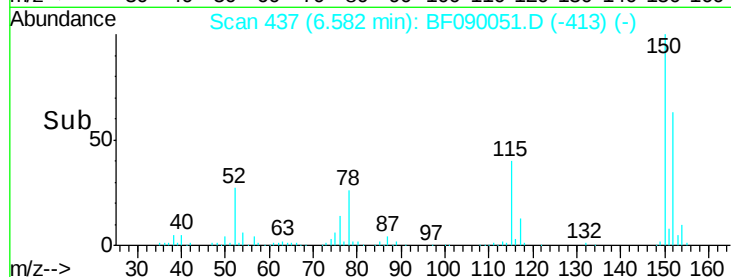
115 63.4 46.3 69.5



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: 38.37 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.01 min

Lab File: BF090051.D

Acq: 9 Sep 2016 17:29

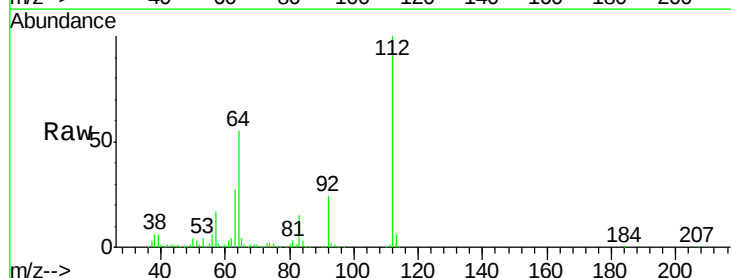
Tgt Ion:112 Resp: 409028

Ion Ratio Lower Upper

112 100

64 55.4 41.1 61.7

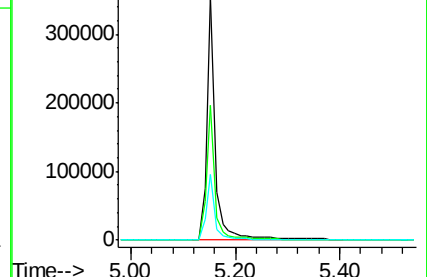
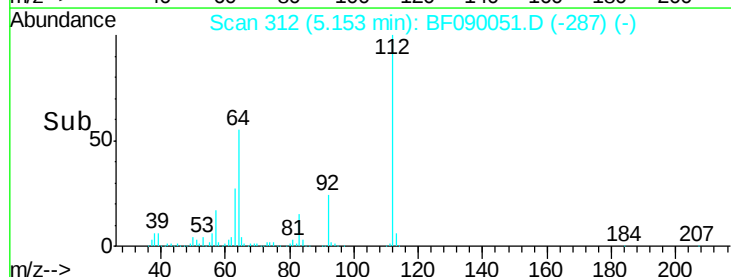
63 27.1 21.2 31.8

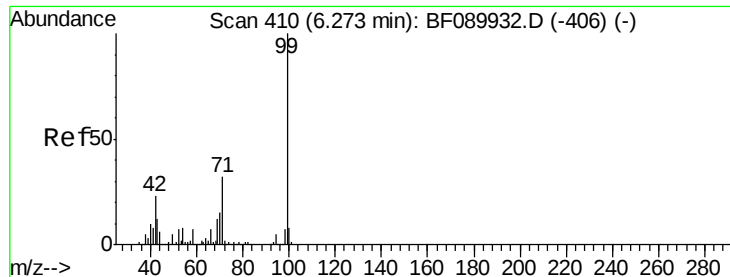


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 27.76 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF090051.D

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Instrument :

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090816-DRDC-E-U-M

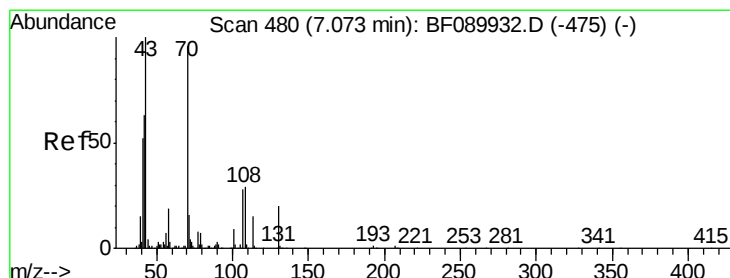
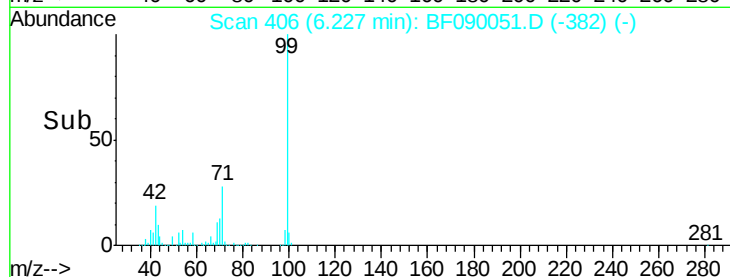
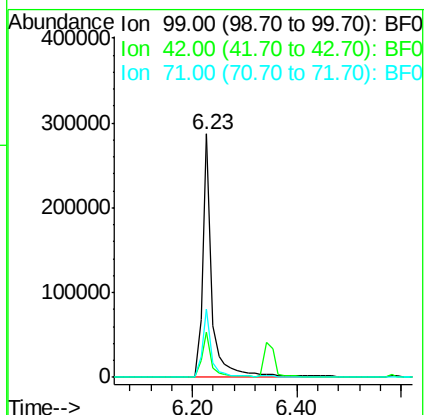
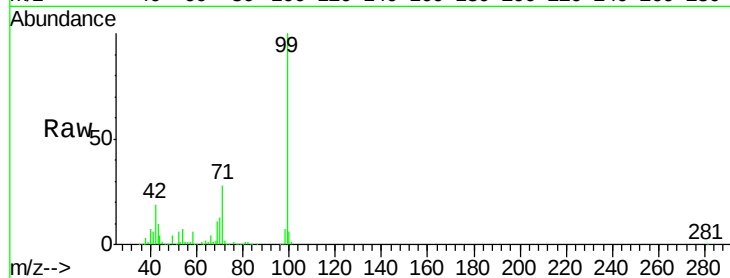
Tgt Ion: 99 Resp: 359529

Ion Ratio Lower Upper

99 100

42 18.6 18.6 27.8

71 27.8 25.8 38.6



#19

n-Nitroso-di-n-propylamine

Concen: 13.93 ng

RT: 7.15 min Scan# 487

Delta R.T. 0.11 min

Lab File: BF090051.D

Acq: 9 Sep 2016 17:29

Tgt Ion: 70 Resp: 117577

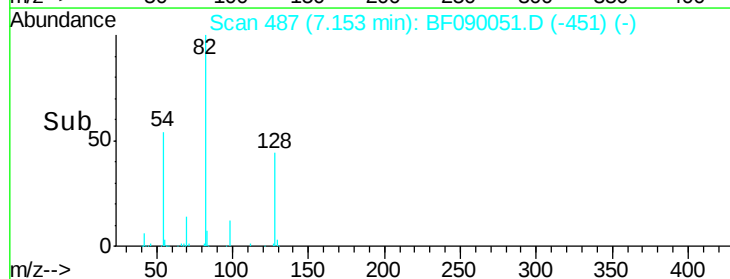
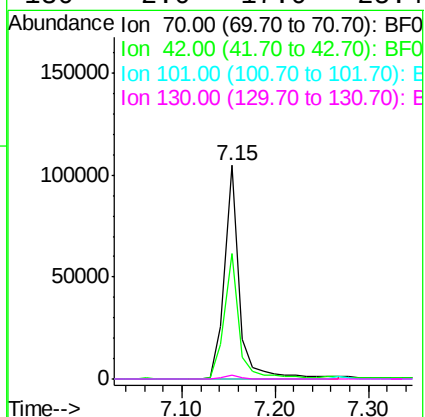
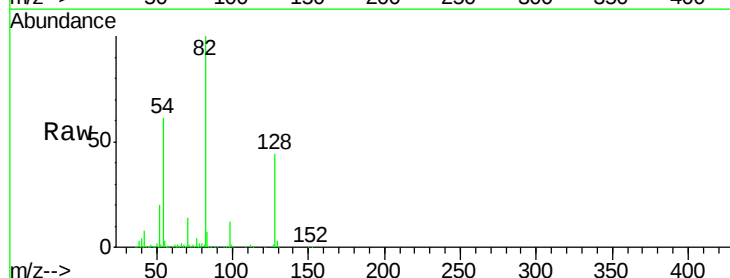
Ion Ratio Lower Upper

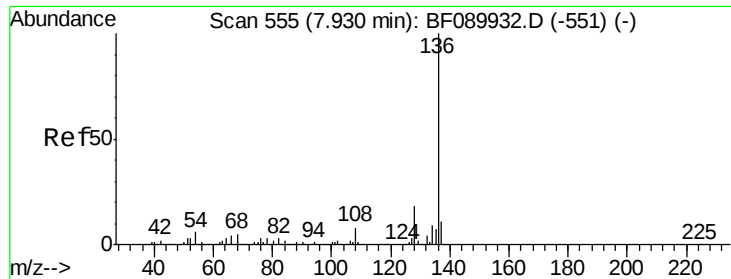
70 100

42 58.8 52.1 78.1

101 0.0 7.4 11.2#

130 2.0 17.0 25.4#

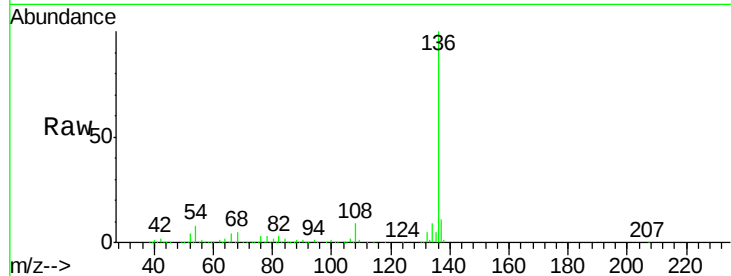




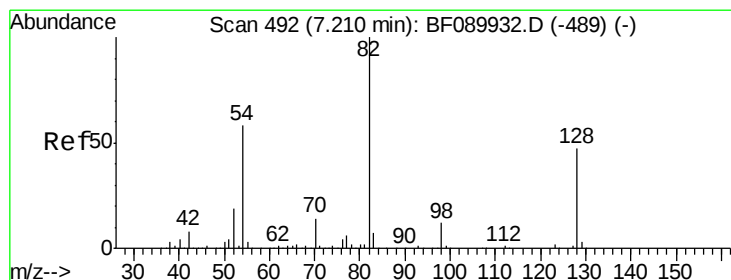
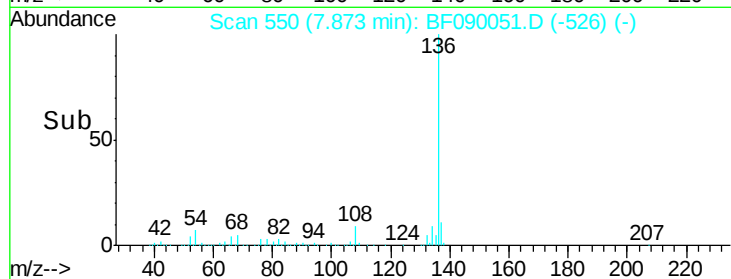
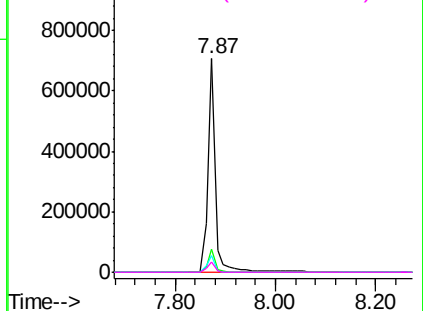
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.87 min Scan# 550
Delta R.T. -0.02 min
Lab File: BF090051.D
Acq: 9 Sep 2016 17:29

Instrument :
BNA_F
ClientSampleId :
090816-DRDC-E-U-M

Tgt Ion:	136	Resp:	725191
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.3	12.5
54	7.6	4.8	7.2#
68	4.8	3.7	5.5

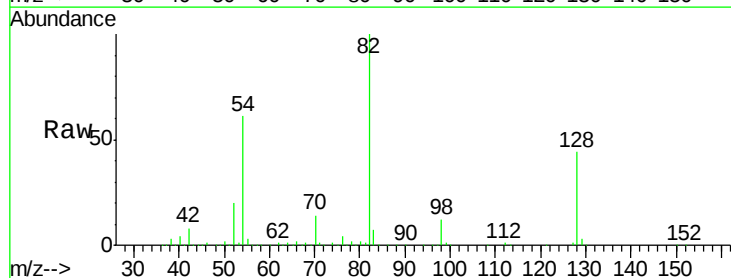


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

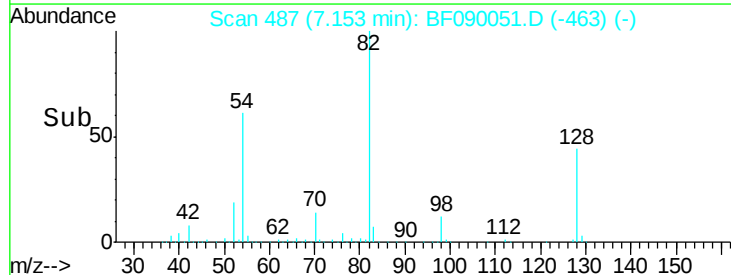
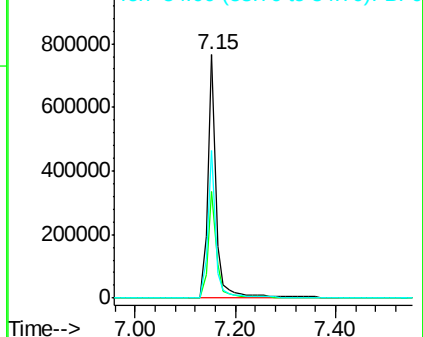


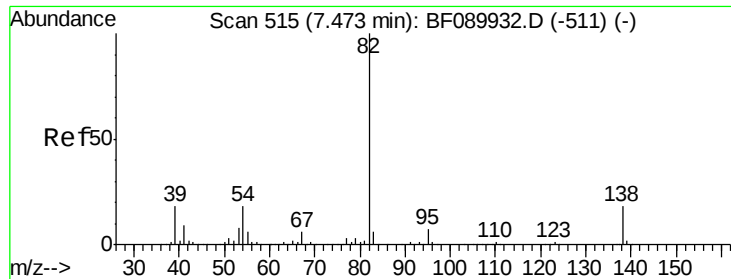
#23
Nitrobenzene-d5
Concen: 72.53 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.02 min
Lab File: BF090051.D
Acq: 9 Sep 2016 17:29

Tgt Ion:	82	Resp:	906893
Ion	Ratio	Lower	Upper
82	100		
128	44.1	37.8	56.8
54	60.6	46.9	70.3



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

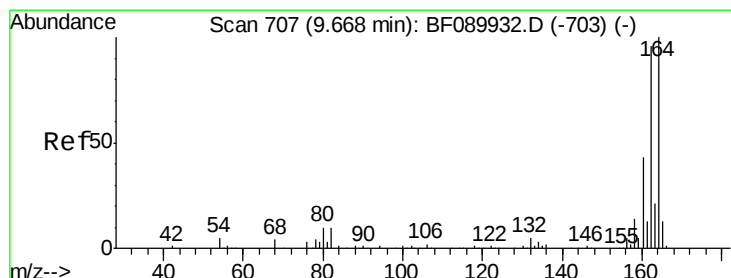
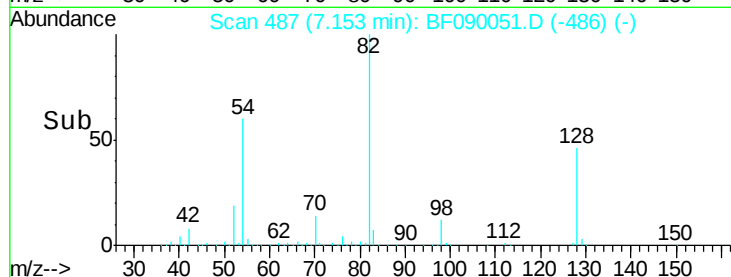
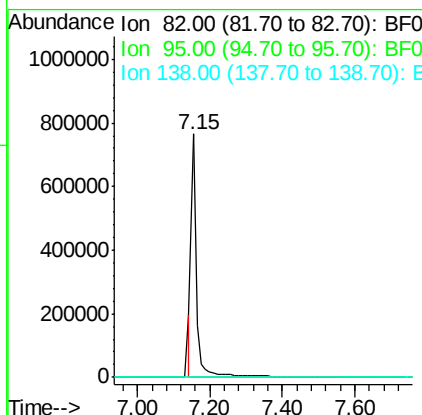
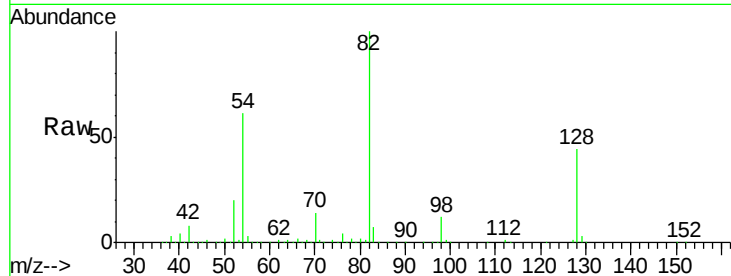




#25
Isophorone
Concen: 29.90 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.29 min
Lab File: BF090051.D
Acq: 9 Sep 2016 17:29

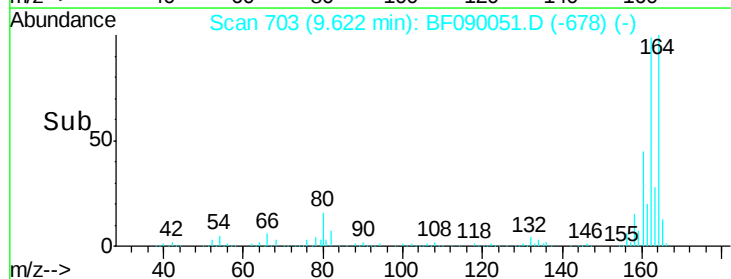
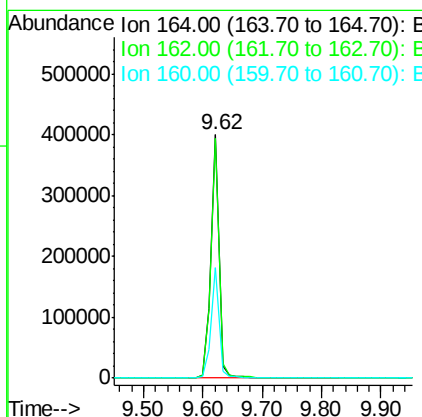
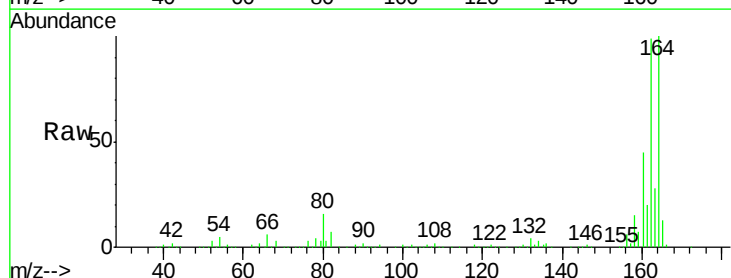
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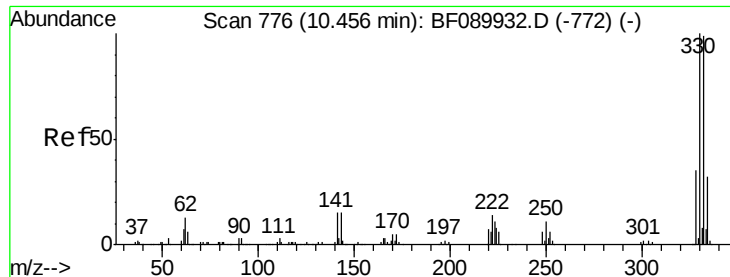
Tgt Ion: 82 Resp: 760165
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.4 21.6#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.62 min Scan# 703
Delta R.T. -0.01 min
Lab File: BF090051.D
Acq: 9 Sep 2016 17:29

Tgt Ion: 164 Resp: 384186
Ion Ratio Lower Upper
164 100
162 98.5 77.1 115.7
160 45.2 35.3 52.9

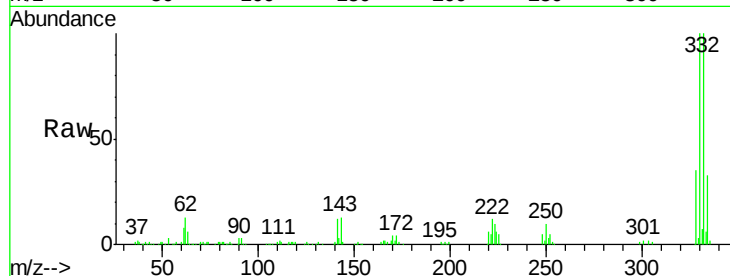




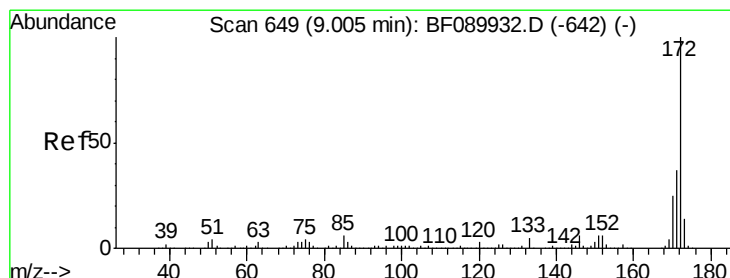
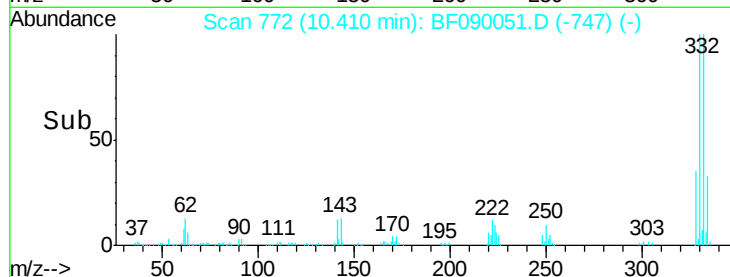
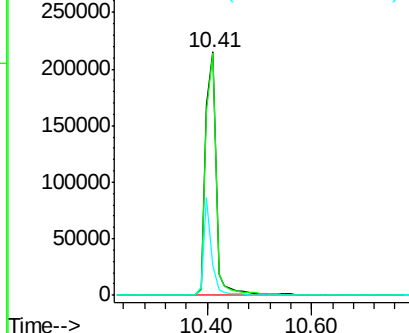
#41
 2,4,6-Tribromophenol
 Concen: 80.54 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.01 min
 Lab File: BF090051.D
 Acq: 9 Sep 2016 17:29

Instrument :
 BNA_F
 ClientSampleId :
 090816-DRDC-E-U-M

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.3	78.6	117.8
141	30.2	23.3	34.9

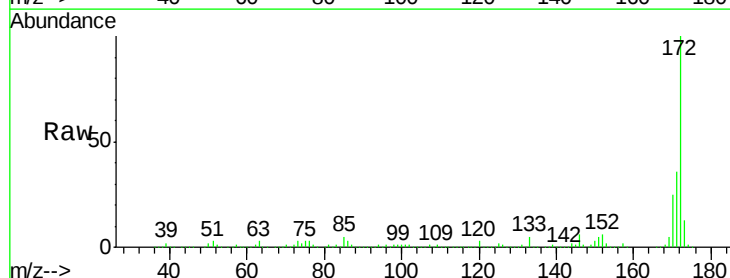


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

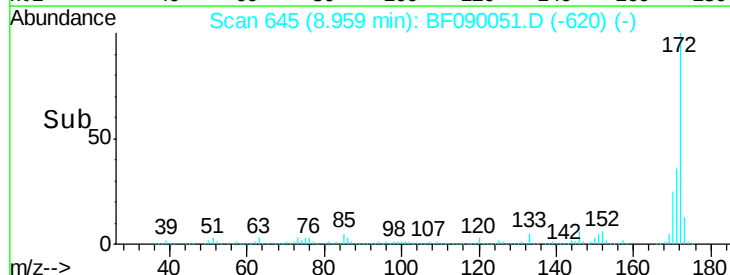
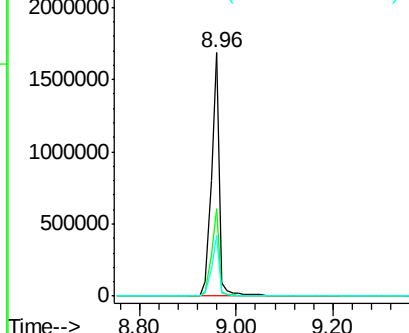


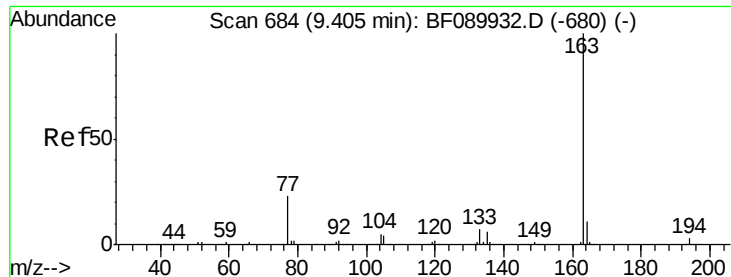
#44
 2-Fluorobiphenyl
 Concen: 83.69 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.01 min
 Lab File: BF090051.D
 Acq: 9 Sep 2016 17:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.2
170	25.0	20.1	30.1



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

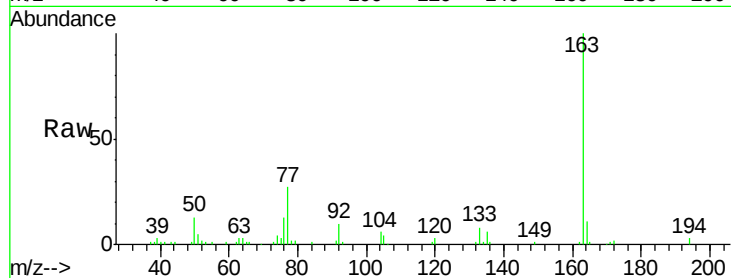




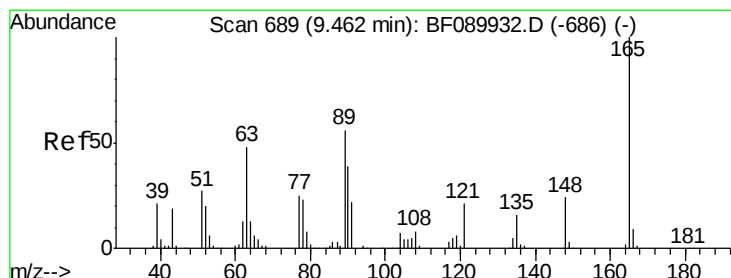
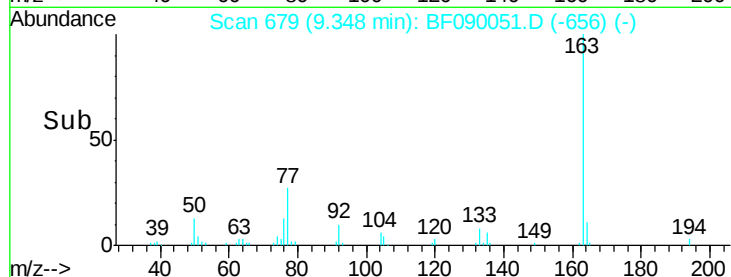
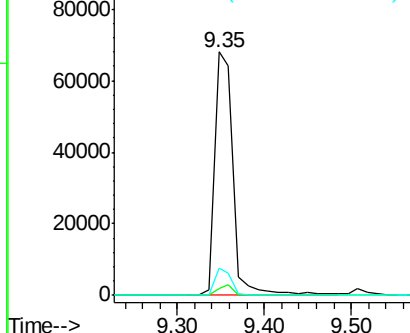
#49
Dimethylphthalate
Concen: 3.67 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.03 min
Lab File: BF090051.D
Acq: 9 Sep 2016 17:29

Instrument :
BNA_F
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090816-DRDC-E-U-M

Tgt Ion:163 Resp: 101889
Ion Ratio Lower Upper
163 100
194 3.0 2.7 4.1
164 11.3 9.0 13.4

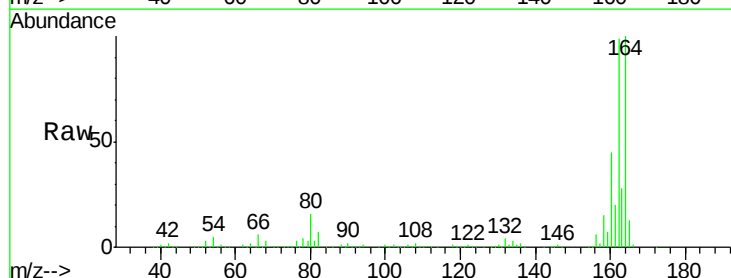


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

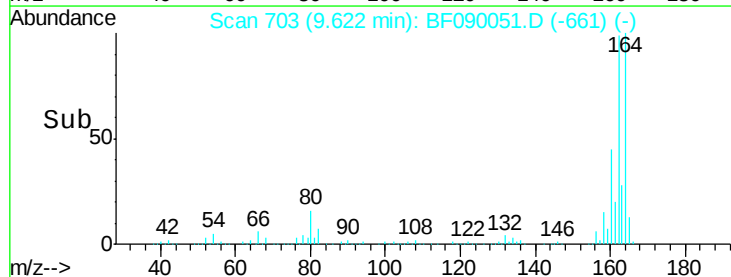
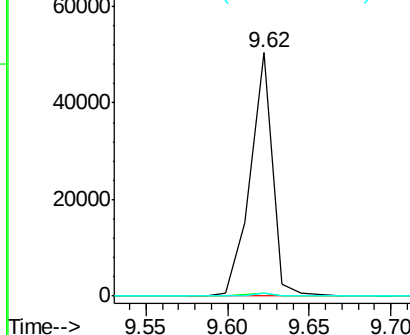


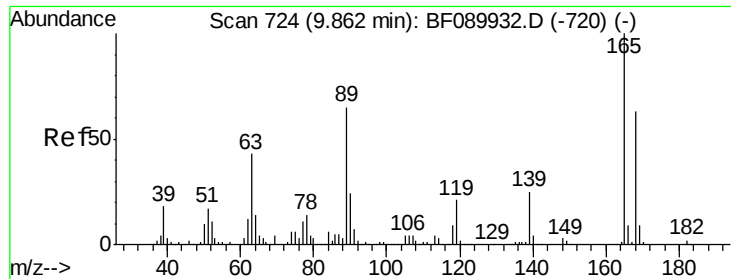
#50
2,6-Dinitrotoluene
Concen: 7.75 ng
RT: 9.62 min Scan# 703
Delta R.T. 0.18 min
Lab File: BF090051.D
Acq: 9 Sep 2016 17:29

Tgt Ion:165 Resp: 47874
Ion Ratio Lower Upper
165 100
63 1.4 45.0 67.4#
89 1.1 41.5 62.3#



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

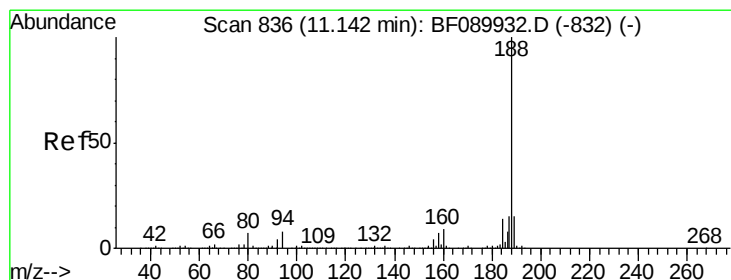
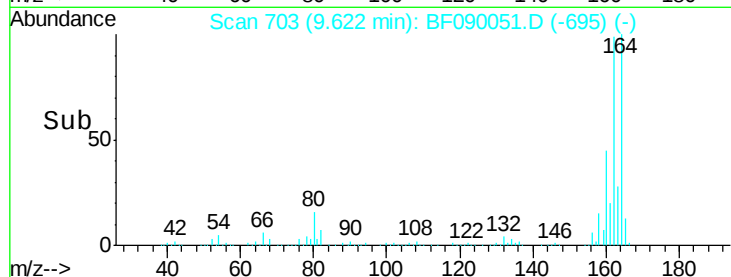
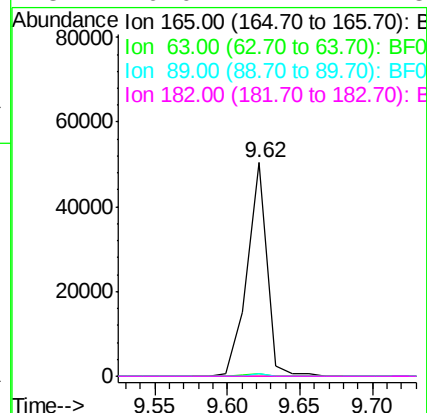
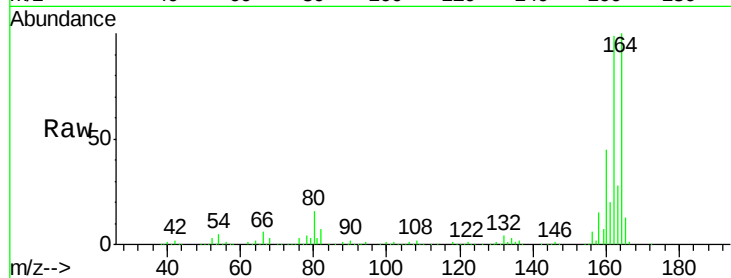




#56
 2,4-Dinitrotoluene
 Concen: 6.11 ng
 RT: 9.62 min Scan# 703
 Delta R.T. -0.21 min
 Lab File: BF090051.D
 Acq: 9 Sep 2016 17:29

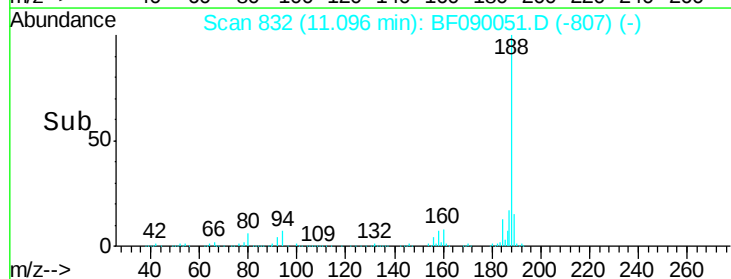
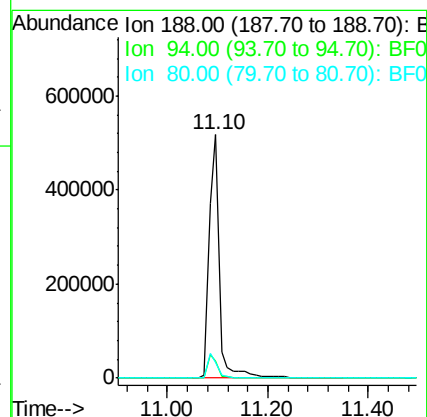
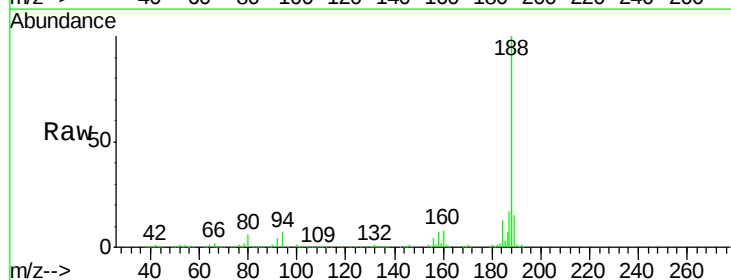
Instrument :
 BNA_F
 ClientSampleId :
 090816-DRDC-E-U-M

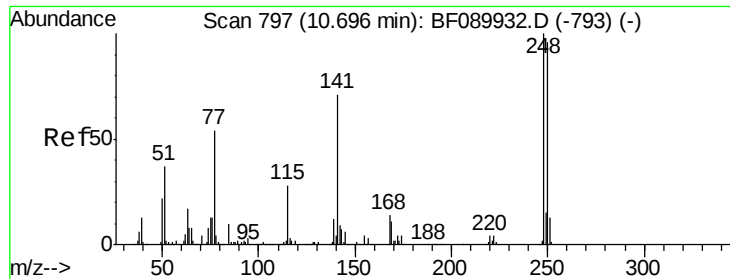
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	32.5	48.7#
89	1.1	48.3	72.5#
182	0.0	1.7	2.5#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: BF090051.D
 Acq: 9 Sep 2016 17:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.9	8.9
80	6.4	5.8	8.8

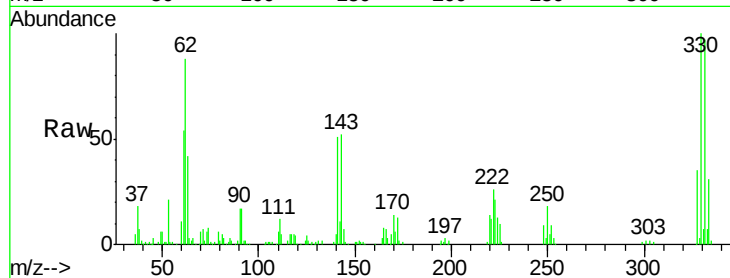




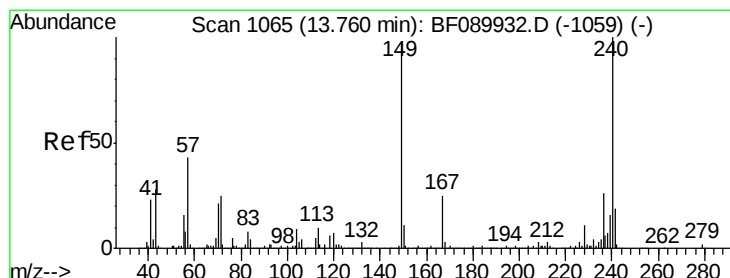
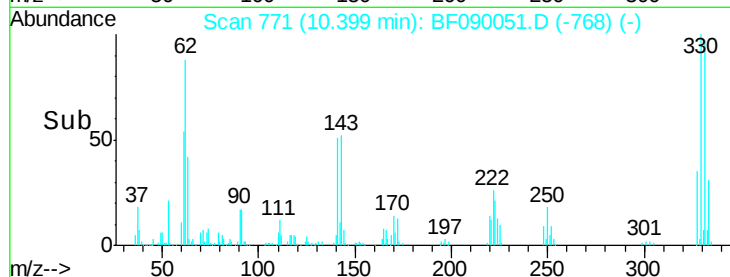
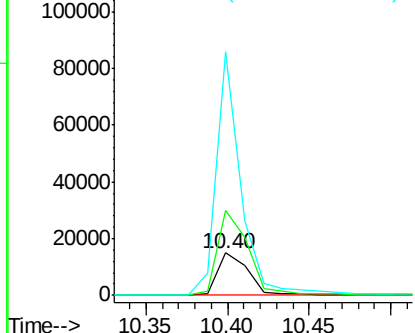
#66
4-Bromophenyl-phenylether
Concen: 2.62 ng
RT: 10.40 min Scan# 771
Delta R.T. -0.26 min
Lab File: BF090051.D
Acq: 9 Sep 2016 17:29

Instrument :
BNA_F
ClientSampleId :
090816-DRDC-E-U-M

Tgt Ion:248 Resp: 19314
Ion Ratio Lower Upper
248 100
250 199.1 77.3 115.9#
141 574.4 55.8 83.8#

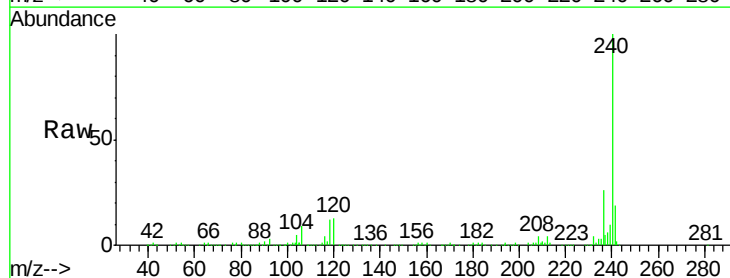


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

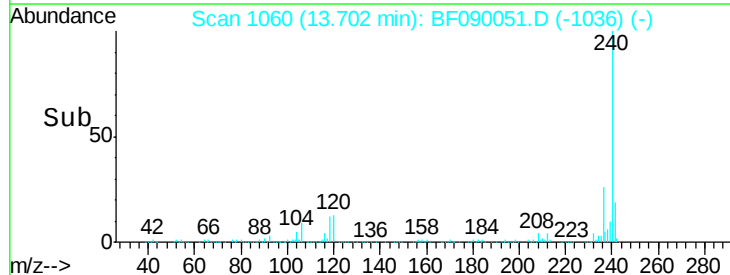
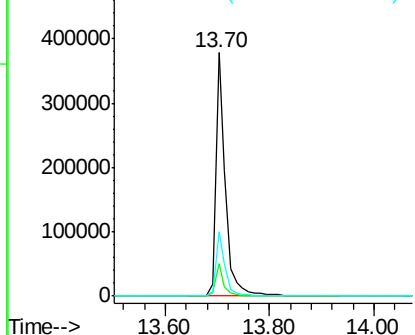


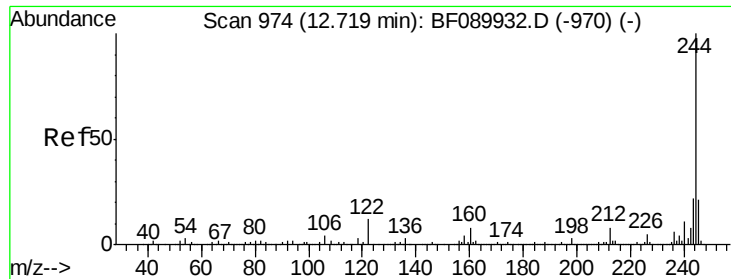
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BF090051.D
Acq: 9 Sep 2016 17:29

Tgt Ion:240 Resp: 481055
Ion Ratio Lower Upper
240 100
120 13.2 5.7 8.5#
236 26.5 21.3 31.9



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

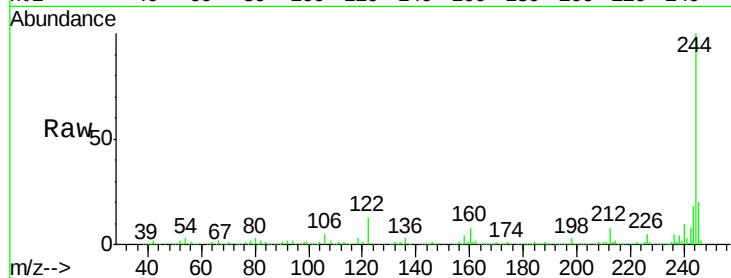




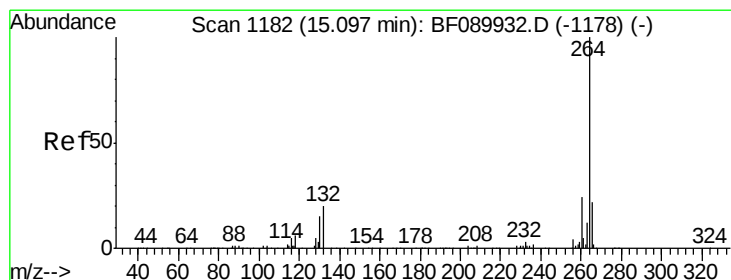
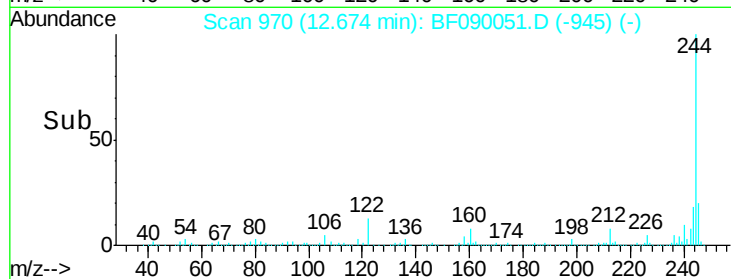
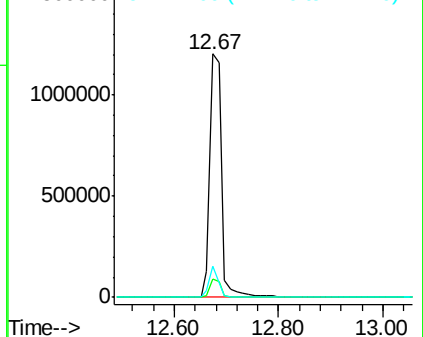
#78
 Terphenyl-d14
 Concen: 96.35 ng
 RT: 12.67 min Scan# 970
 Delta R.T. -0.01 min
 Lab File: BF090051.D
 Acq: 9 Sep 2016 17:29

Instrument :
 BNA_F
 ClientSampleId :
 090816-DRDC-E-U-M

Tgt Ion:244 Resp: 1876248
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 13.0 9.6 14.4

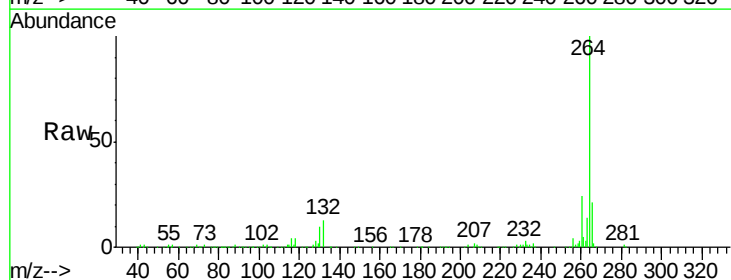


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.05 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF090051.D
 Acq: 9 Sep 2016 17:29

Tgt Ion:264 Resp: 364826
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.4 29.0
 265 21.0 17.4 26.2



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

