

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021017\
 Data File : BF092911.D
 Acq On : 11 Feb 2017 7:26
 Operator : SJ/MA
 Sample : I1766-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 020717-PR-E-U-M

Quant Time: Feb 13 02:54:18 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

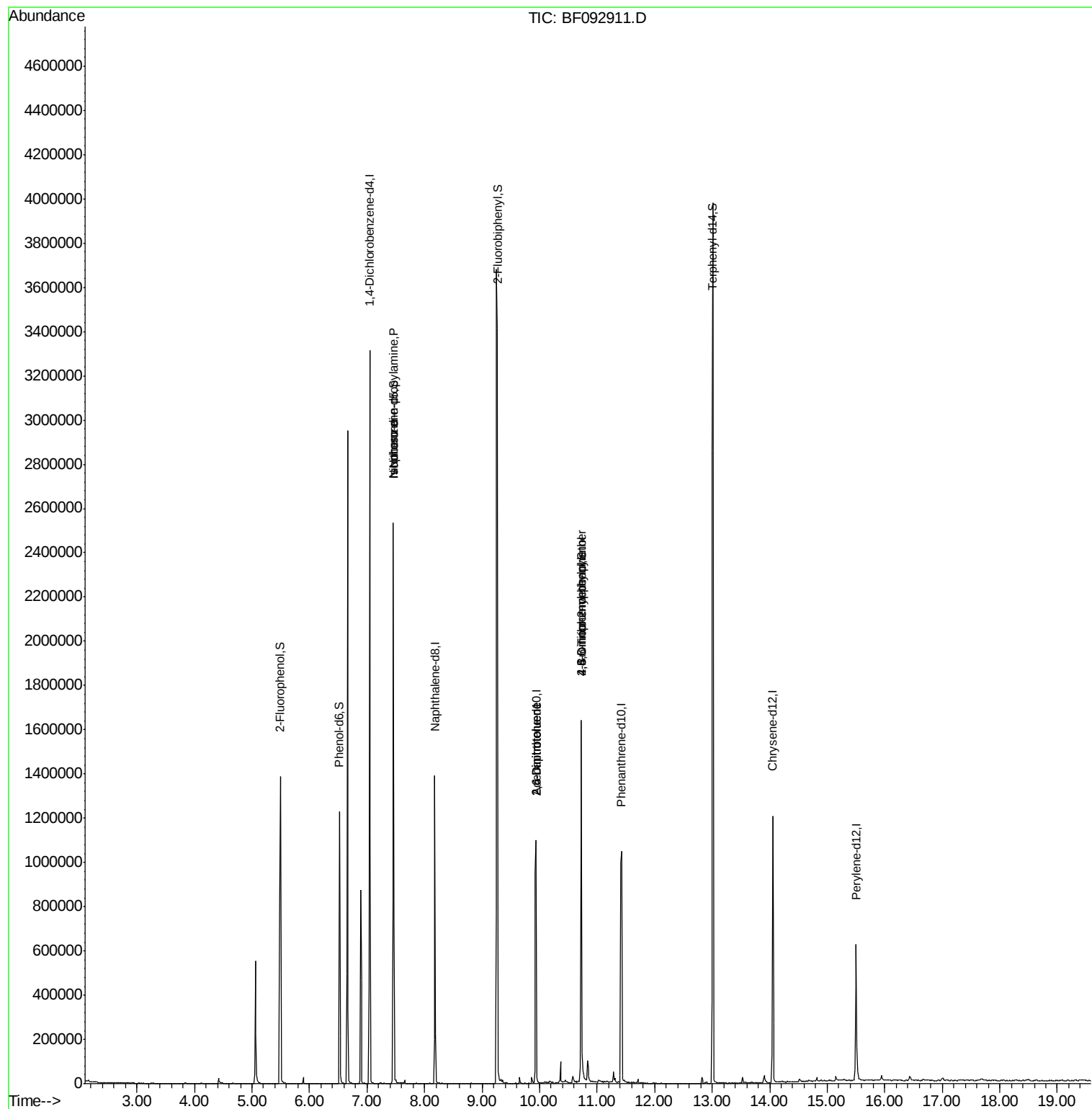
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.05	152	563143	20.00	ng	0.08
21) Naphthalene-d8	8.18	136	624185	20.00	ng	-0.08
38) Acenaphthene-d10	9.94	164	355593	20.00	ng	-0.07
63) Phenanthrene-d10	11.42	188	594260	20.00	ng	-0.07
75) Chrysene-d12	14.05	240	409488	20.00	ng	-0.09
86) Perylene-d12	15.51	264	319497	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	461710	14.07	ng	-0.08
7) Phenol-d6	6.52	99	363556	8.61	ng	-0.08
23) Nitrobenzene-d5	7.46	82	965687	86.15	ng	-0.08
41) 2,4,6-Tribromophenol	10.73	330	255191	99.22	ng	-0.08
44) 2-Fluorobiphenyl	9.26	172	1949595	99.33	ng	-0.07
78) Terphenyl-d14	13.01	244	1653243	94.86	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	127601	4.75	ng	# 81
25) Isophorone	7.46	82	957251	45.83	ng	# 65
50) 2,6-Dinitrotoluene	9.94	165	45749	8.84	ng	# 29
56) 2,4-Dinitrotoluene	9.94	165	45750	6.64	ng	# 18
64) 4,6-Dinitro-2-methylphenol	10.73	198	619	2.83	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	19029	3.06	ng	# 1

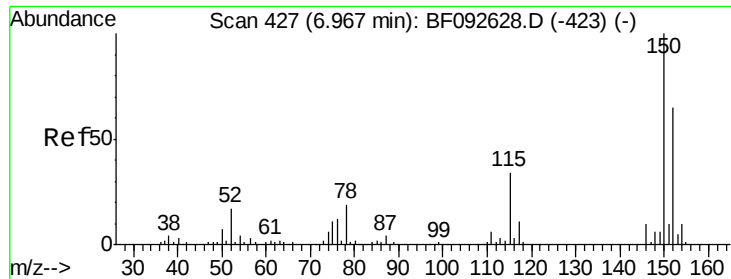
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.05 min Scan# 434

Delta R.T. 0.08 min

Lab File: BF092911.D

Acq: 11 Feb 2017 7:26

Instrument :

BNA_F

ClientSampleId :

020717-PR-E-U-M

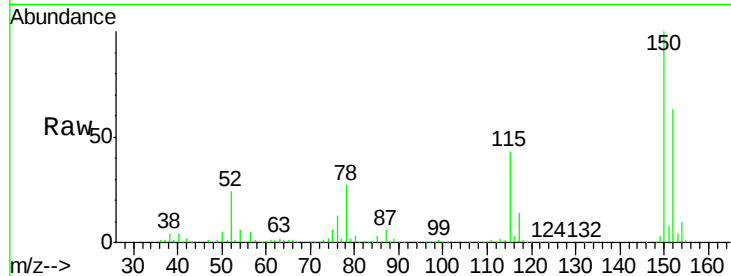
Tgt Ion:152 Resp: 563143

Ion Ratio Lower Upper

152 100

150 159.0 124.9 187.3

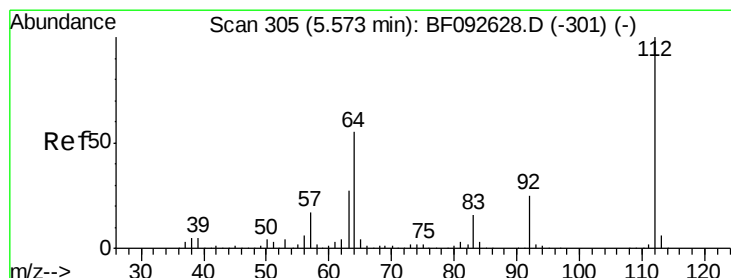
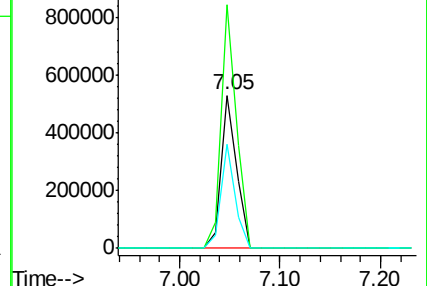
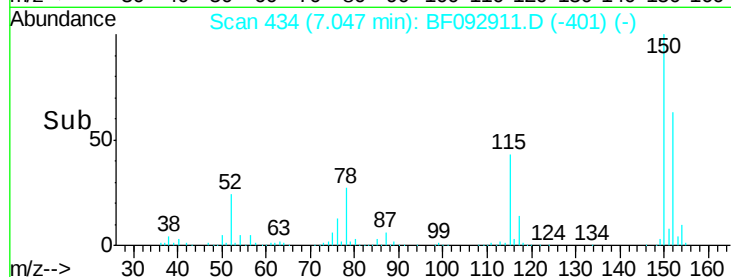
115 68.1 46.0 69.0



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: 14.07 ng

RT: 5.49 min Scan# 298

Delta R.T. -0.08 min

Lab File: BF092911.D

Acq: 11 Feb 2017 7:26

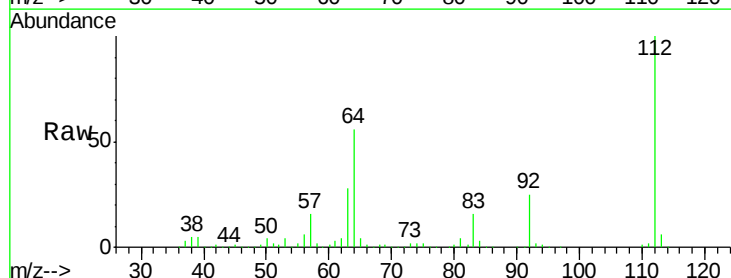
Tgt Ion:112 Resp: 461710

Ion Ratio Lower Upper

112 100

64 56.3 46.1 69.1

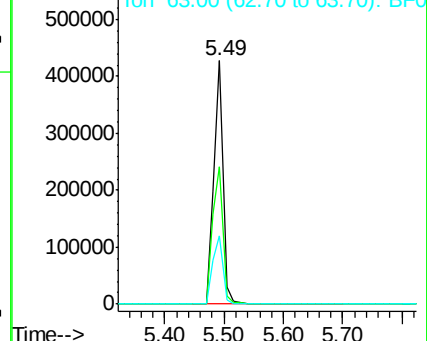
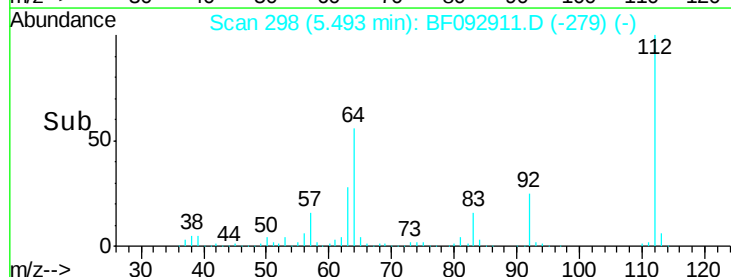
63 27.8 23.8 35.6

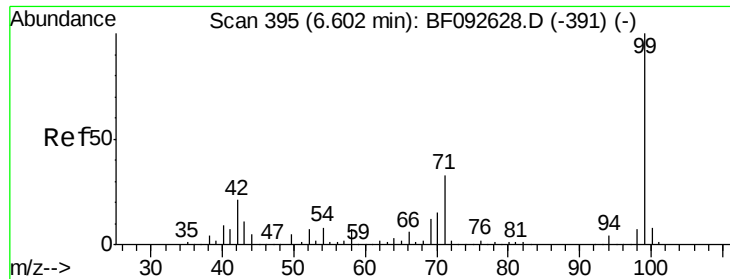


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 8.61 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.08 min

Lab File: BF092911.D

Acq: 11 Feb 2017 7:26

Instrument :

BNA_F

ClientSampleId :

020717-PR-E-U-M

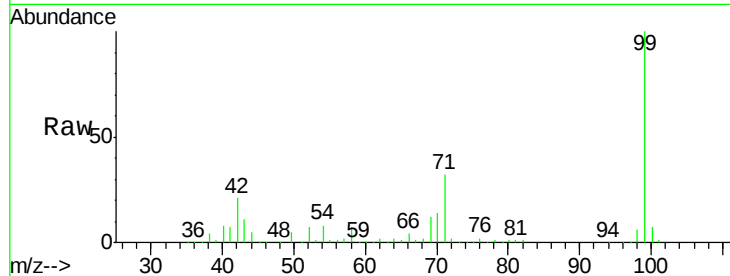
Tgt Ion: 99 Resp: 363556

Ion Ratio Lower Upper

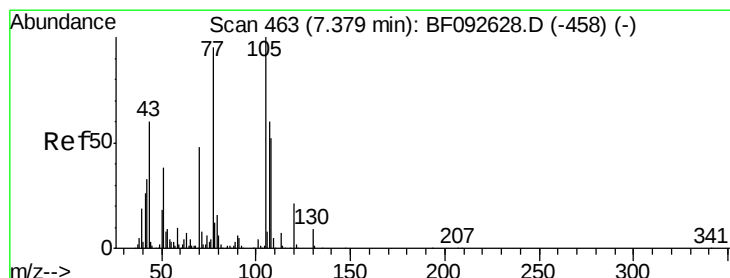
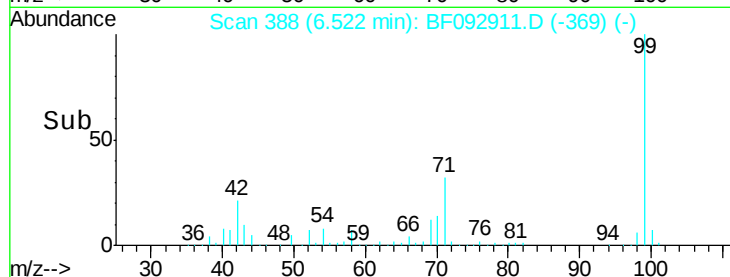
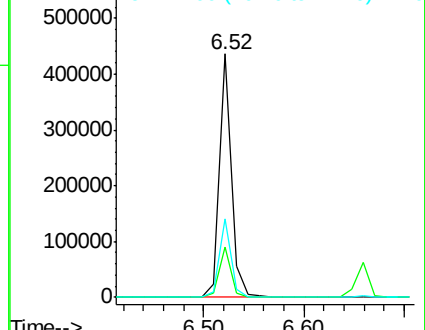
99 100

42 20.5 15.6 23.4

71 32.5 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.75 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.08 min

Lab File: BF092911.D

Acq: 11 Feb 2017 7:26

Tgt Ion: 70 Resp: 127601

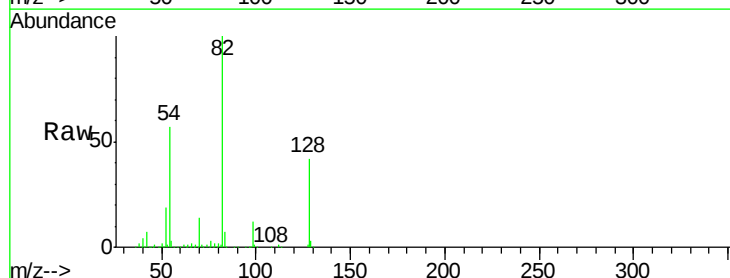
Ion Ratio Lower Upper

70 100

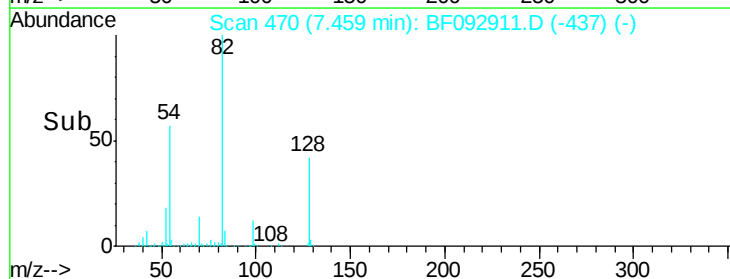
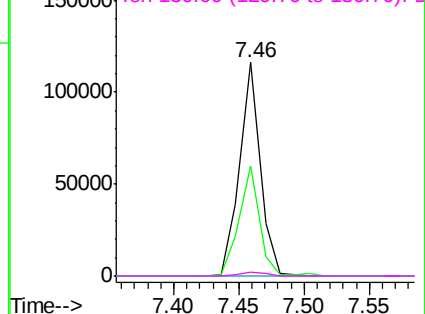
42 51.3 49.4 74.0

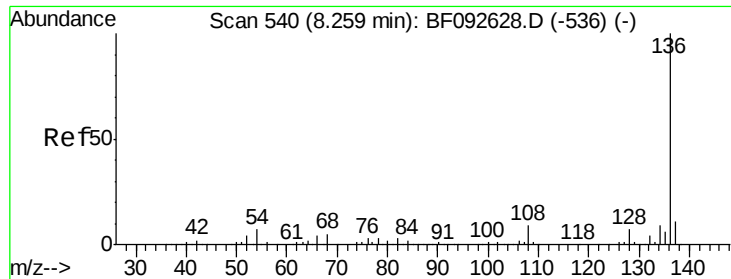
101 0.0 7.4 11.2#

130 2.1 14.2 21.4#



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): E
Ion 130.00 (129.70 to 130.70): E

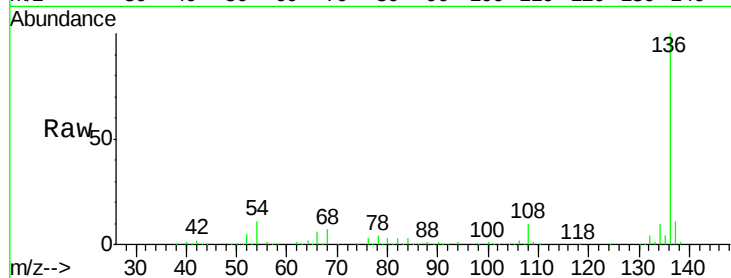




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.08 min
Lab File: BF092911.D
Acq: 11 Feb 2017 7:26

Instrument :
BNA_F
ClientSampleId :
020717-PR-E-U-M

Tgt Ion:	136	Resp:	624185
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	10.6	4.5	6.7#
68	6.9	3.6	5.4#



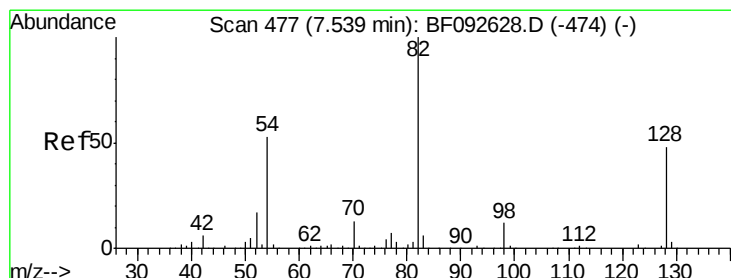
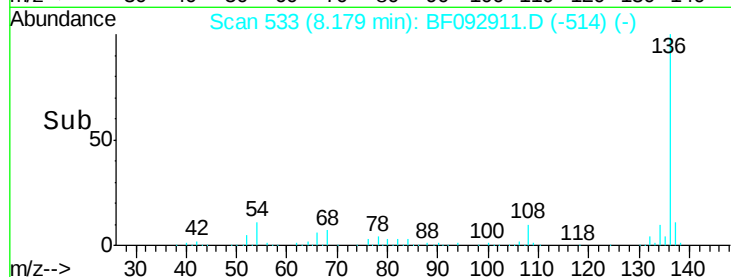
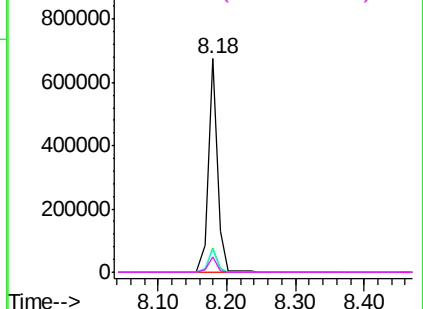
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

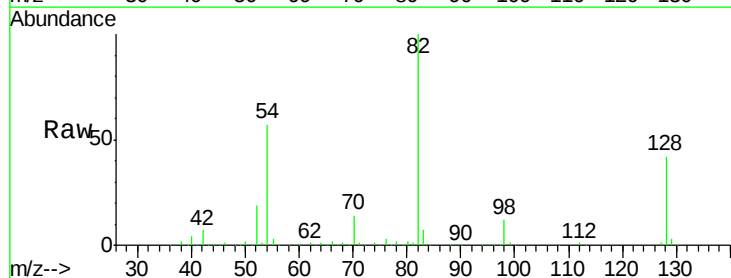
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23
Nitrobenzene-d5
Concen: 86.15 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.08 min
Lab File: BF092911.D
Acq: 11 Feb 2017 7:26

Tgt Ion:	82	Resp:	965687
Ion	Ratio	Lower	Upper
82	100		
128	41.7	34.6	52.0
54	57.3	39.5	59.3

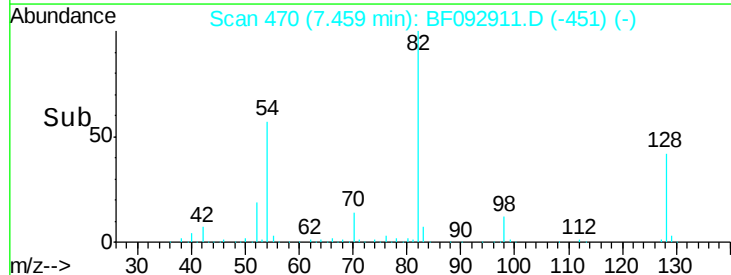
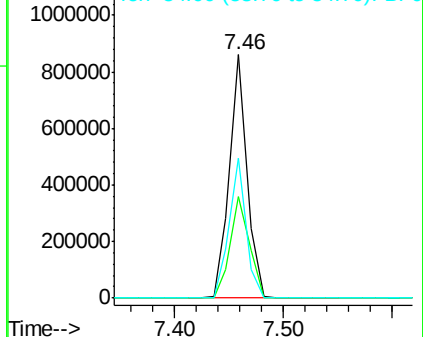


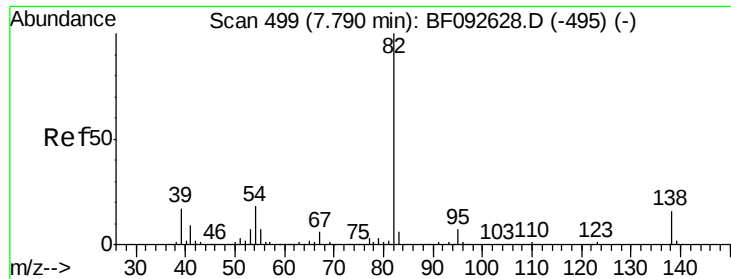
Abundance

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

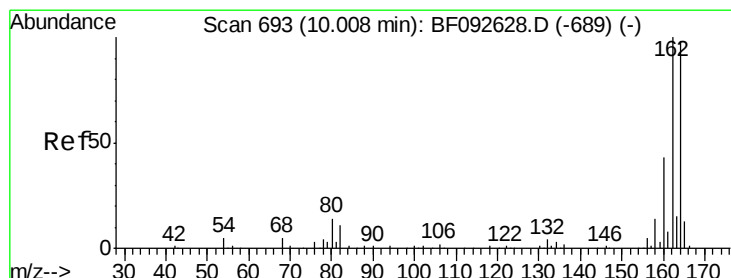
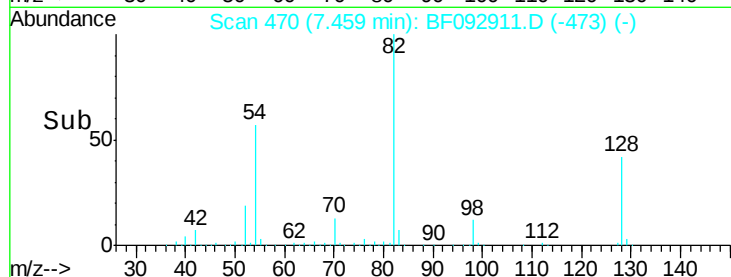
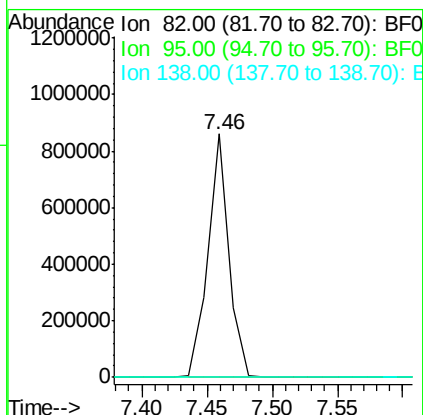
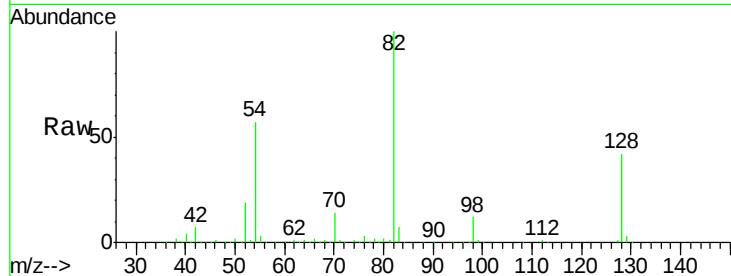




#25
Isophorone
Concen: 45.83 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.33 min
Lab File: BF092911.D
Acq: 11 Feb 2017 7:26

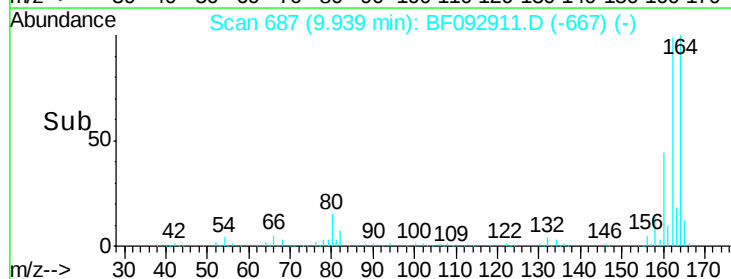
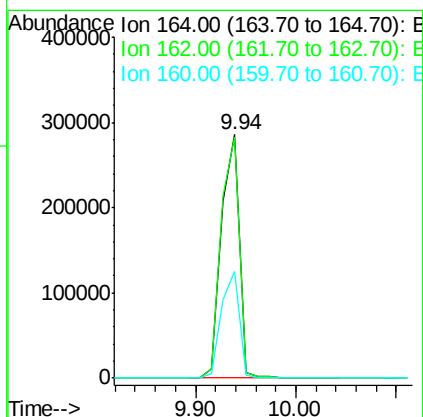
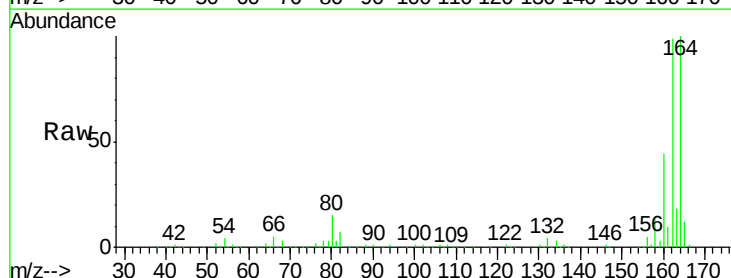
Instrument :
BNA_F
ClientSampleId :
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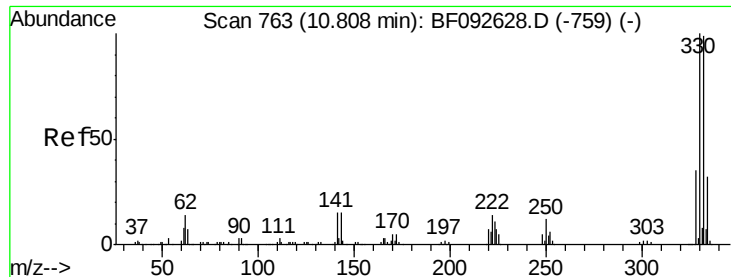
Tgt Ion: 82 Resp: 957251
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.07 min
Lab File: BF092911.D
Acq: 11 Feb 2017 7:26

Tgt Ion: 164 Resp: 355593
Ion Ratio Lower Upper
164 100
162 98.9 80.2 120.2
160 43.6 36.9 55.3

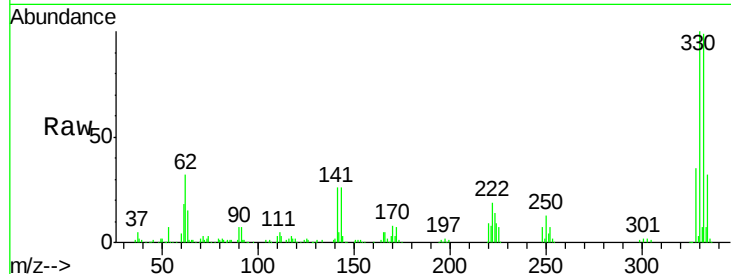




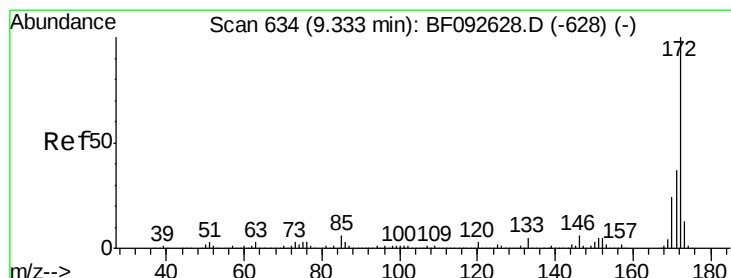
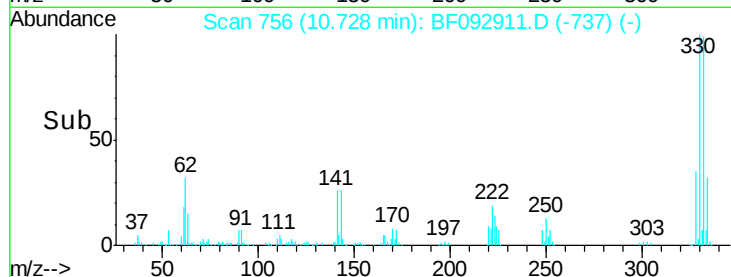
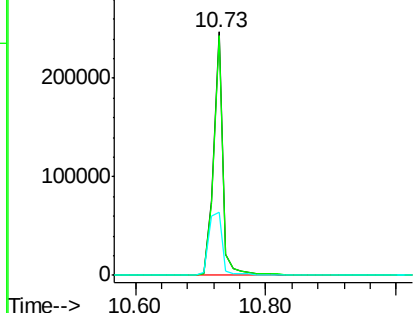
#41
 2,4,6-Tribromophenol
 Concen: 99.22 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.08 min
 Lab File: BF092911.D
 Acq: 11 Feb 2017 7:26

Instrument :
 BNA_F
 ClientSampleId :
 020717-PR-E-U-M

Tgt Ion:330 Resp: 255191
 Ion Ratio Lower Upper
 330 100
 332 98.3 77.4 116.2
 141 37.4 34.1 51.1

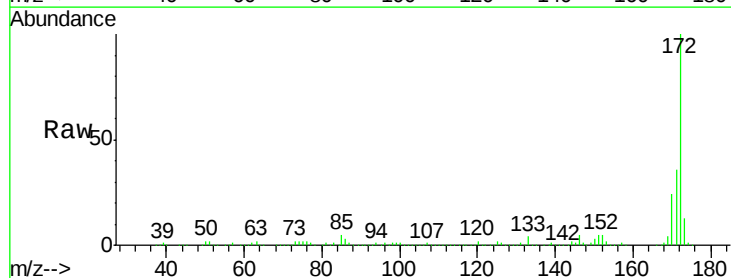


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

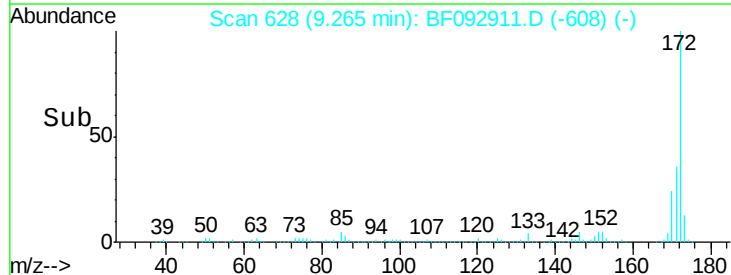
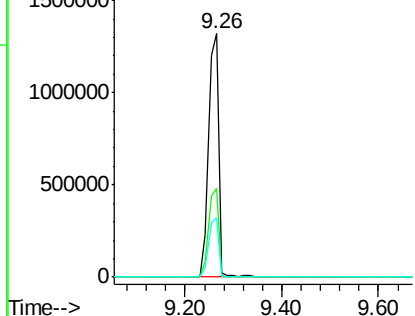


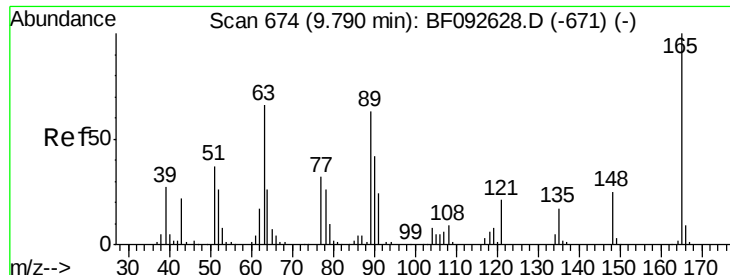
#44
 2-Fluorobiphenyl
 Concen: 99.33 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.07 min
 Lab File: BF092911.D
 Acq: 11 Feb 2017 7:26

Tgt Ion:172 Resp: 1949595
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 24.2 20.2 30.4



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

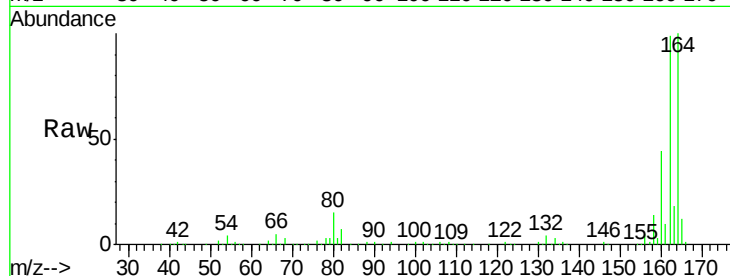




#50
 2,6-Dinitrotoluene
 Concen: 8.84 ng
 RT: 9.94 min Scan# 687
 Delta R.T. 0.15 min
 Lab File: BF092911.D
 Acq: 11 Feb 2017 7:26

Instrument :
 BNA_F
 ClientSampleId :
 020717-PR-E-U-M

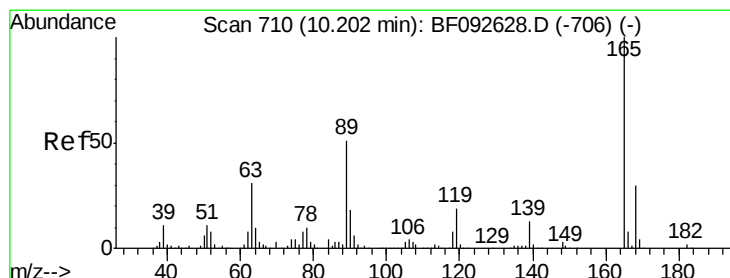
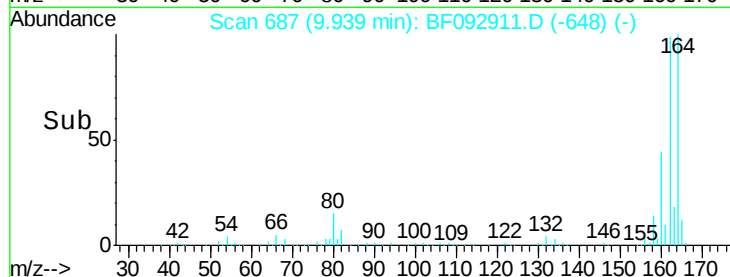
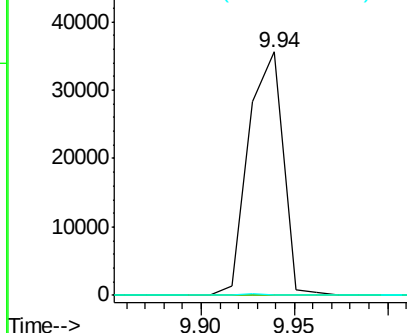
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.2	54.4#
89	0.0	40.2	60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

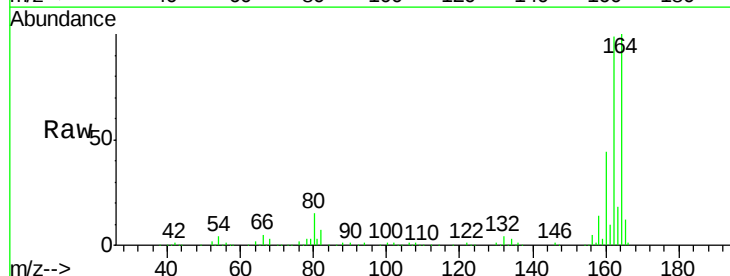
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.64 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.26 min
 Lab File: BF092911.D
 Acq: 11 Feb 2017 7:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.2	60.4#
89	0.0	62.5	93.7#
182	0.0	1.8	2.8#

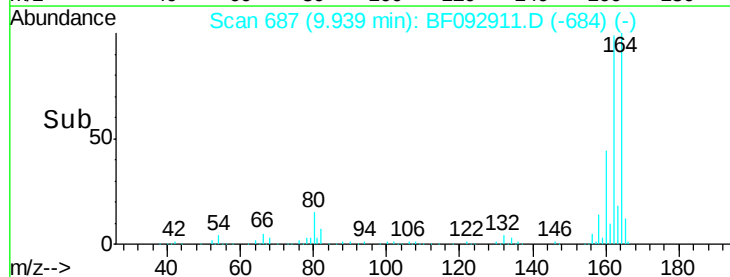
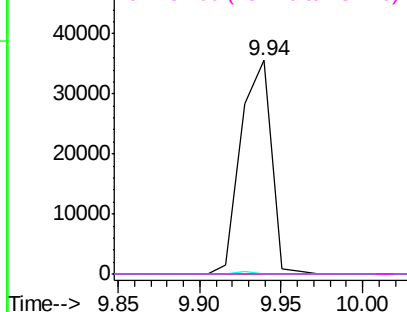


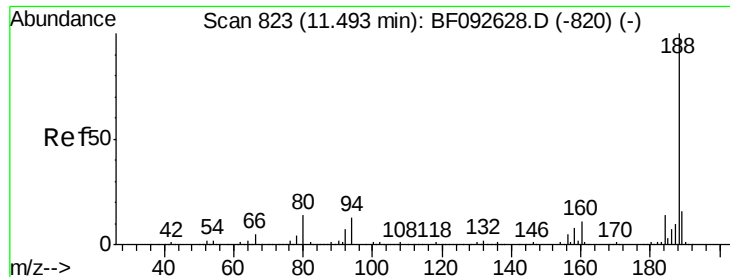
Abundance Ion 165.00 (164.70 to 165.70): E

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

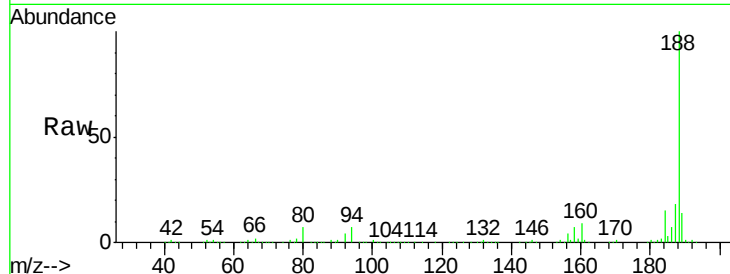




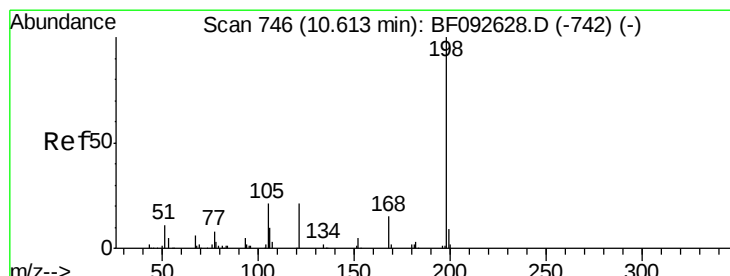
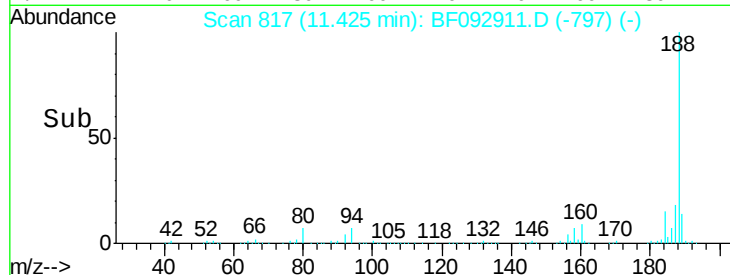
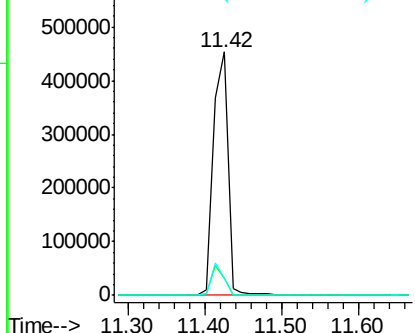
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 817
Delta R.T. -0.07 min
Lab File: BF092911.D
Acq: 11 Feb 2017 7:26

Instrument :
BNA_F
ClientSampleId :
020717-PR-E-U-M

Tgt Ion:188 Resp: 594260
Ion Ratio Lower Upper
188 100
94 7.1 10.0 15.0#
80 6.8 11.2 16.8#

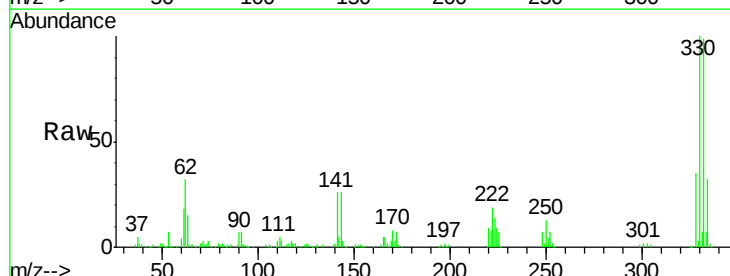


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

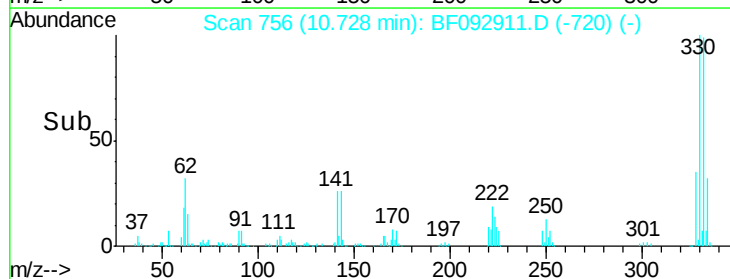
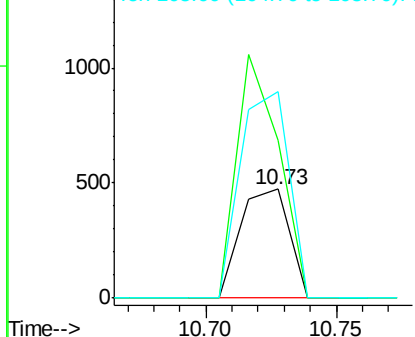


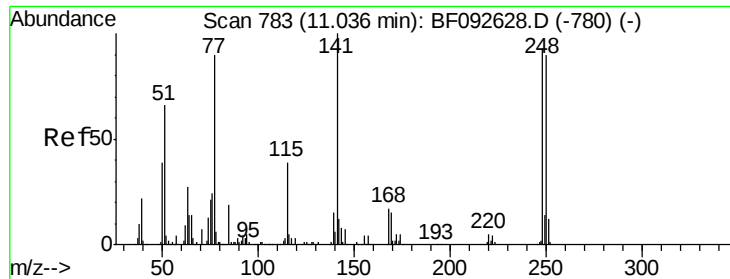
#64
4,6-Dinitro-2-methylphenol
Concen: 2.83 ng
RT: 10.73 min Scan# 756
Delta R.T. 0.11 min
Lab File: BF092911.D
Acq: 11 Feb 2017 7:26

Tgt Ion:198 Resp: 619
Ion Ratio Lower Upper
198 100
51 145.5 6.7 46.7#
105 189.2 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

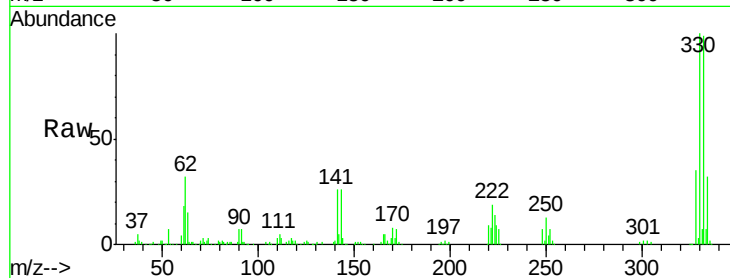




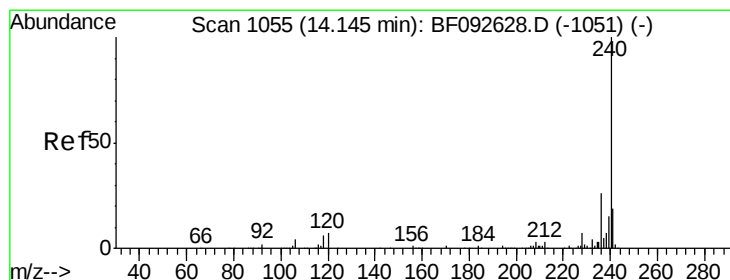
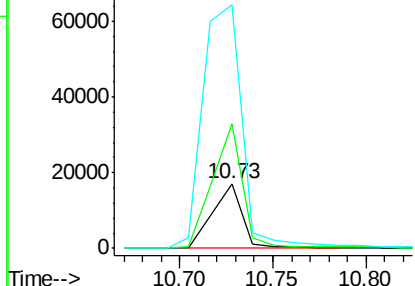
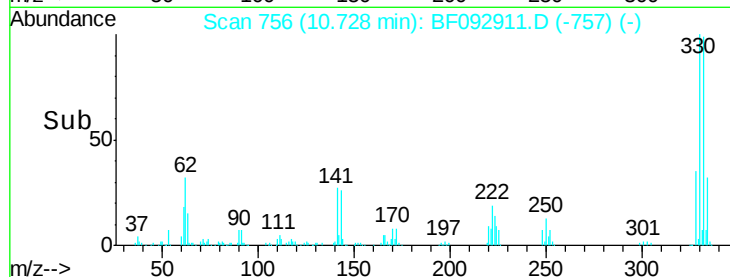
#66
4-Bromophenyl-phenylether
Concen: 3.06 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.31 min
Lab File: BF092911.D
Acq: 11 Feb 2017 7:26

Instrument :
BNA_F
ClientSampleId :
020717-PR-E-U-M

Tgt Ion:248 Resp: 19029
Ion Ratio Lower Upper
248 100
250 192.5 76.9 115.3#
141 374.4 68.2 102.4#

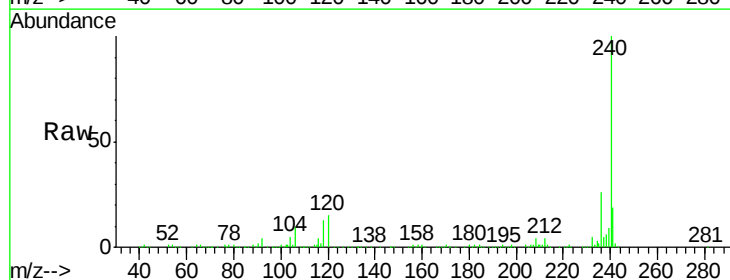


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

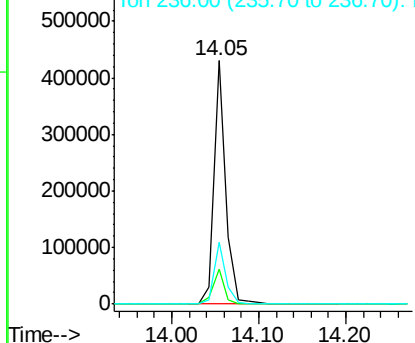
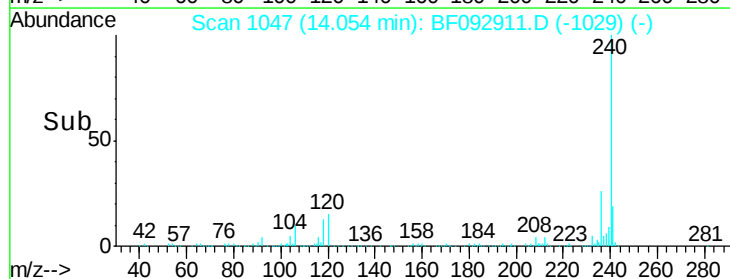


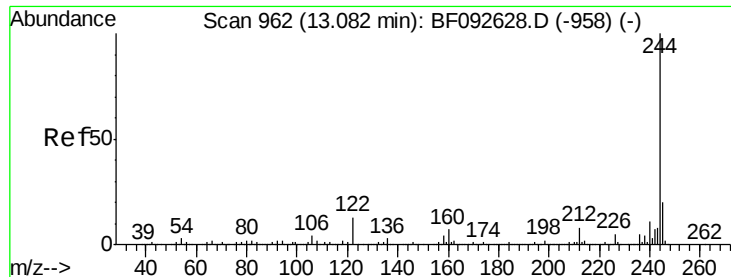
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 1047
Delta R.T. -0.09 min
Lab File: BF092911.D
Acq: 11 Feb 2017 7:26

Tgt Ion:240 Resp: 409488
Ion Ratio Lower Upper
240 100
120 14.6 12.9 19.3
236 25.5 20.9 31.3



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: 94.86 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.07 min

Lab File: BF092911.D

Acq: 11 Feb 2017 7:26

Instrument :

BNA_F

ClientSampleId :

020717-PR-E-U-M

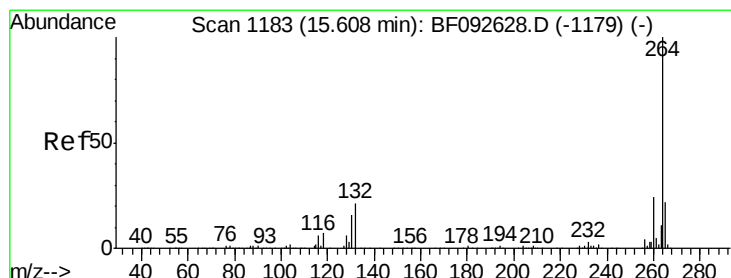
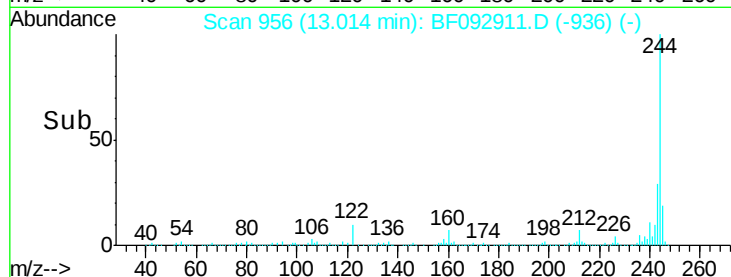
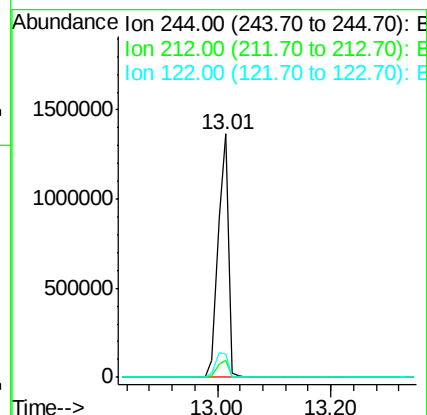
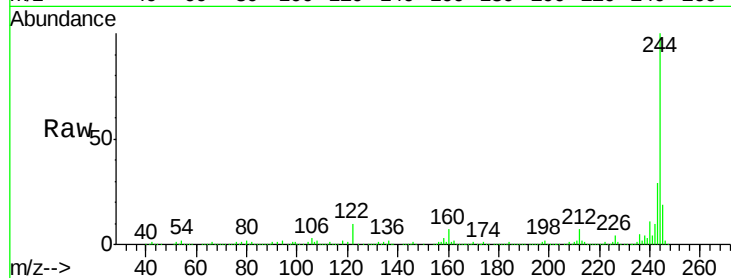
Tgt Ion:244 Resp: 1653243

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

122 9.7 11.4 17.2#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.51 min Scan# 1174

Delta R.T. -0.10 min

Lab File: BF092911.D

Acq: 11 Feb 2017 7:26

Tgt Ion:264 Resp: 319497

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 20.9 17.4 26.0

