

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020217\
 Data File : BF092765.D
 Acq On : 3 Feb 2017 8:25
 Operator : SJ/MA
 Sample : I1647-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 03 09:42:49 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	6.93	152	143641	20.00	ng	-0.03
21) Naphthalene-d8	8.22	136	555652	20.00	ng	-0.03
38) Acenaphthene-d10	9.97	164	275337	20.00	ng	-0.03
63) Phenanthrene-d10	11.46	188	402641	20.00	ng	-0.03
75) Chrysene-d12	14.10	240	354902	20.00	ng	-0.05
86) Perylene-d12	15.56	264	301873	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	623542	74.47	ng	-0.03
7) Phenol-d6	6.57	99	530636	49.26	ng	-0.03
23) Nitrobenzene-d5	7.50	82	955438	95.75	ng	-0.03
41) 2,4,6-Tribromophenol	10.77	330	300493	150.89	ng	-0.03
44) 2-Fluorobiphenyl	9.30	172	1500649	98.74	ng	-0.03
78) Terphenyl-d14	13.05	244	1131495	74.91	ng	-0.03

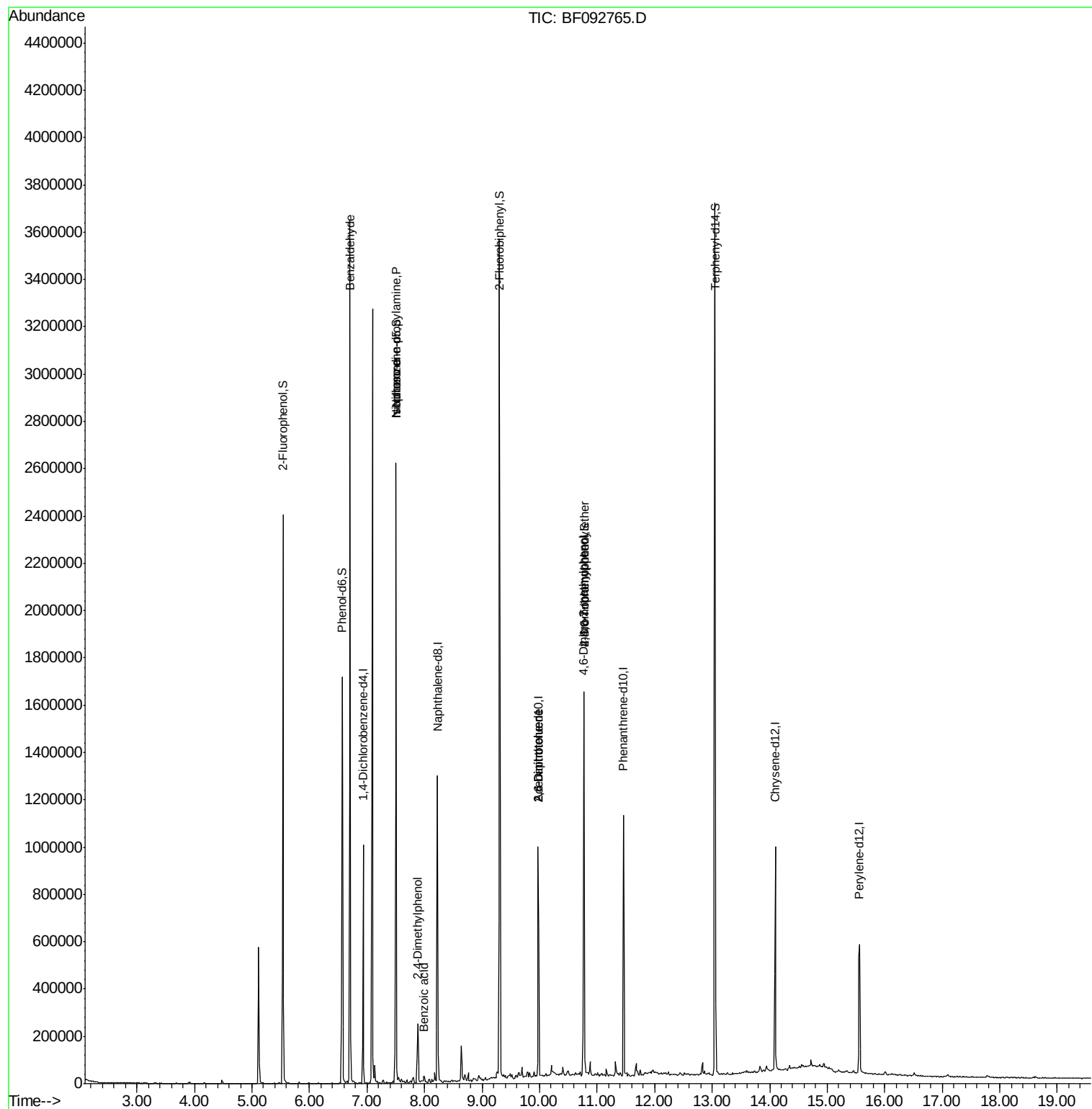
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.70	77	20667	2.68	ng	# 80
19) n-Nitroso-di-n-propylamine	7.50	70	129374	18.87	ng	# 77
25) Isophorone	7.50	82	919533	49.45	ng	# 65
27) 2,4-Dimethylphenol	7.88	122	59457	6.95	ng	93
32) Benzoic acid	8.00	122	6975	8.39	ng	# 21
50) 2,6-Dinitrotoluene	9.97	165	35380	8.83	ng	# 32
56) 2,4-Dinitrotoluene	9.97	165	35384	6.64	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.76	198	745	2.96	ng	# 1
66) 4-Bromophenyl-phenylether	10.77	248	21452	5.10	ng	# 1

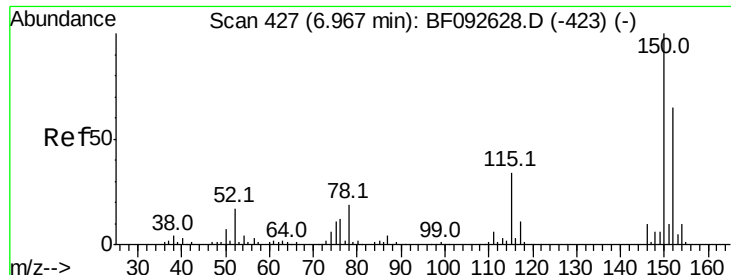
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.03 min

Lab File: BF092765.D

Acq: 3 Feb 2017 8:25

Instrument :

BNA_F

ClientSampleId :

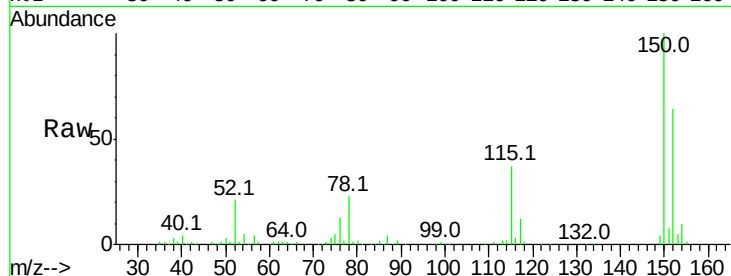
Tot Ion:152 Resp: 143641

Ion Ratio Lower Upper

152 100

150 156.5 124.9 187.3

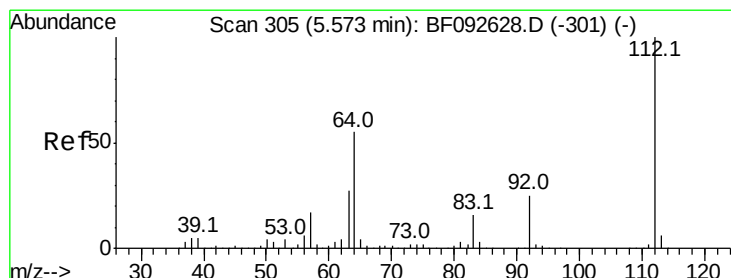
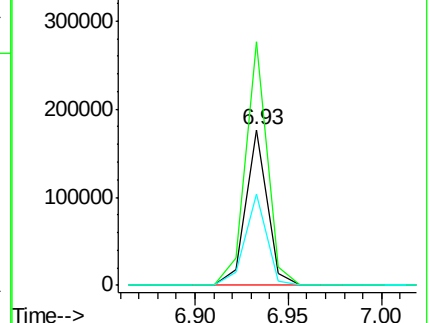
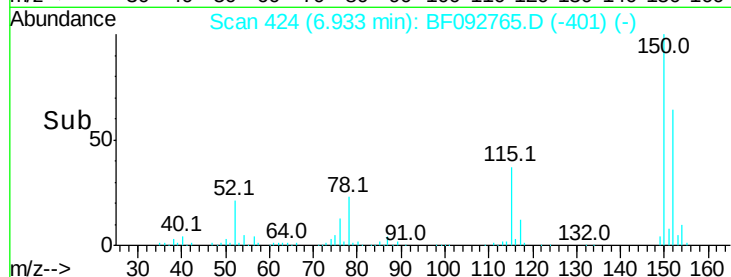
115 58.6 46.0 69.0



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: 74.47 ng

RT: 5.54 min Scan# 302

Delta R.T. -0.03 min

Lab File: BF092765.D

Acq: 3 Feb 2017 8:25

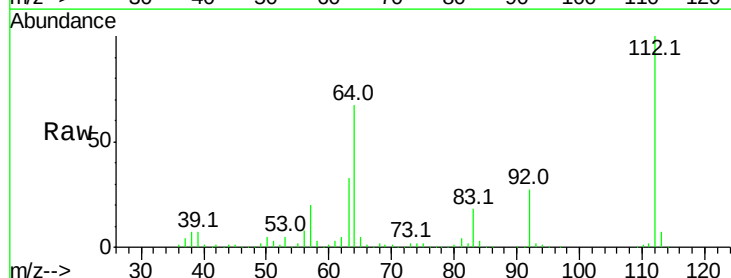
Tgt Ion:112 Resp: 623542

Ion Ratio Lower Upper

112 100

64 66.6 46.1 69.1

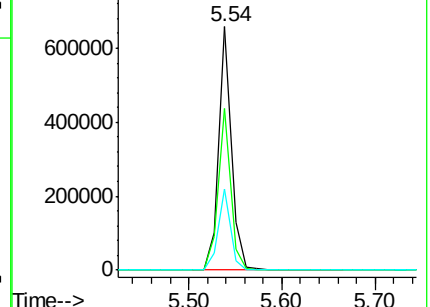
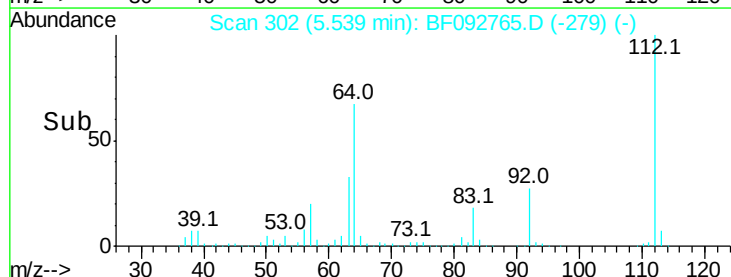
63 33.1 23.8 35.6

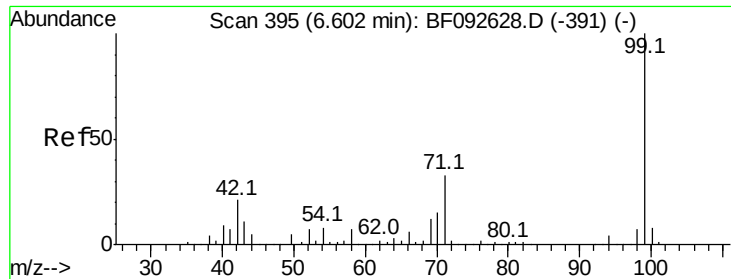


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 49.26 ng

RT: 6.57 min Scan# 392

Delta R.T. -0.03 min

Lab File: BF092765.D

Acq: 3 Feb 2017 8:25

Instrument :

BNA_F

ClientSampleId :

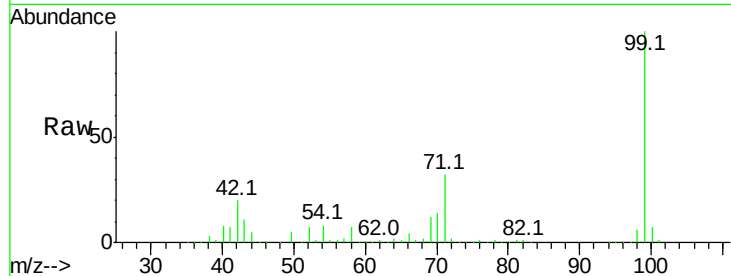
Tot Ion: 99 Resp: 530636

Ion Ratio Lower Upper

99 100

42 20.4 15.6 23.4

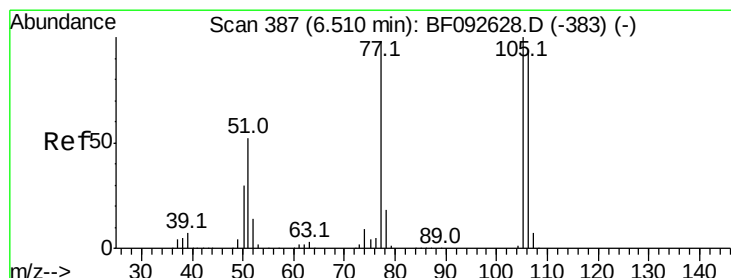
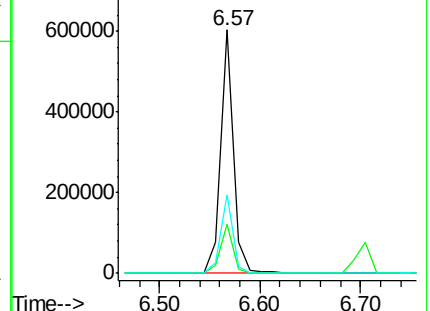
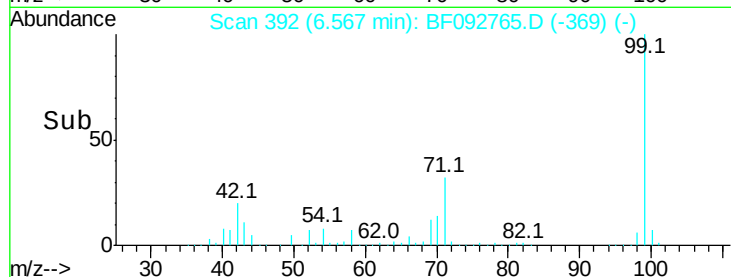
71 32.5 27.5 41.3



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



#9

Benzaldehyde

Concen: 2.68 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.19 min

Lab File: BF092765.D

Acq: 3 Feb 2017 8:25

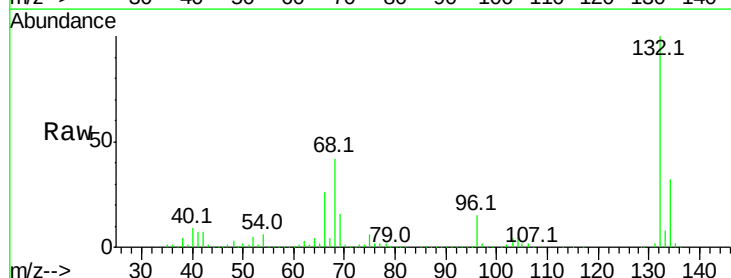
Tgt Ion: 77 Resp: 20667

Ion Ratio Lower Upper

77 100

105 80.3 83.9 123.9#

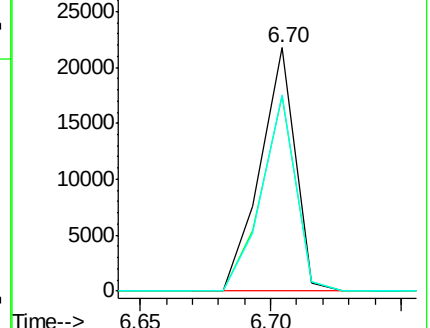
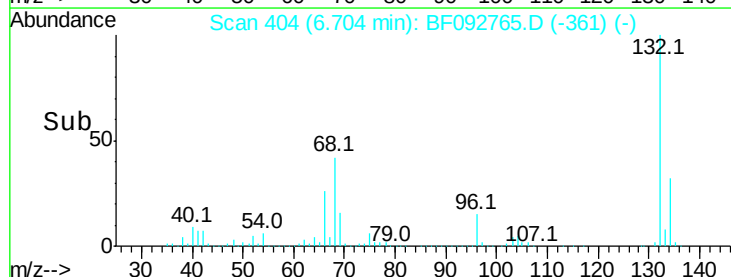
106 80.5 77.6 117.6

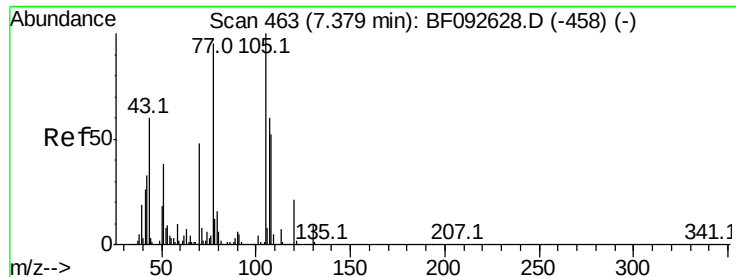


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

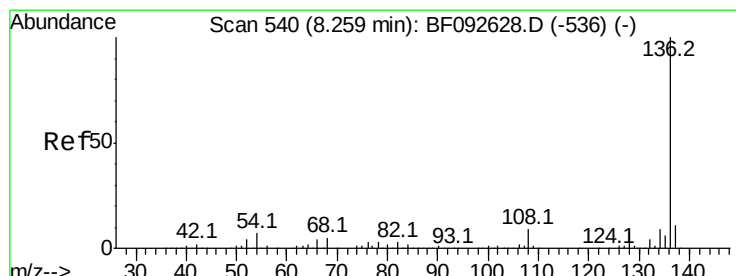
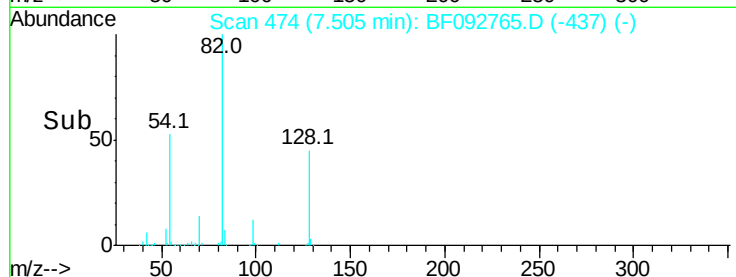
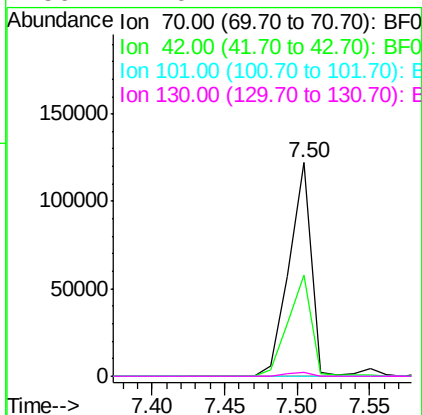
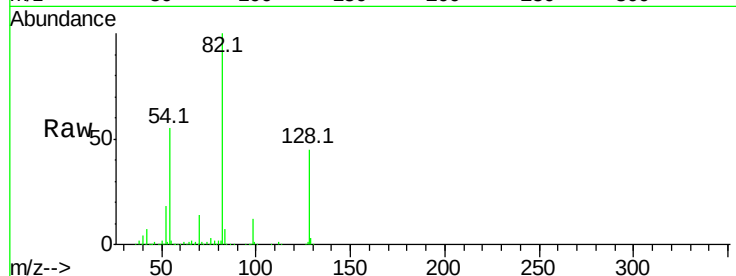




#19
n-Nitroso-di-n-propylamine
Concen: 18.87 ng
RT: 7.50 min Scan# 474
Delta R.T. 0.13 min
Lab File: BF092765.D
Acq: 3 Feb 2017 8:25

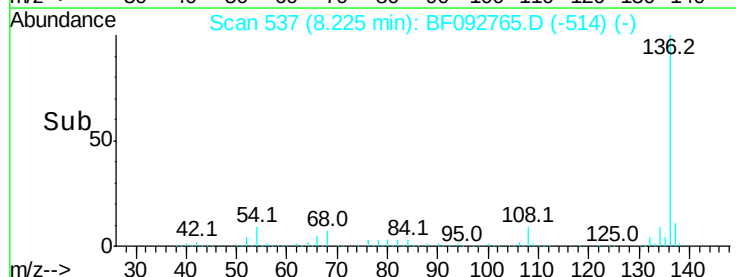
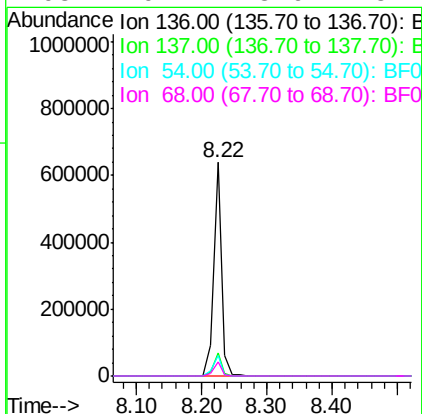
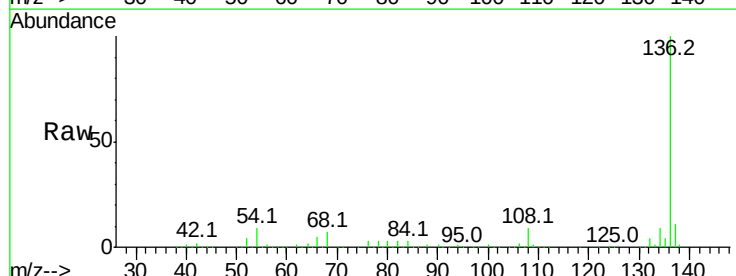
Instrument :
BNA_F
ClientSampleId :

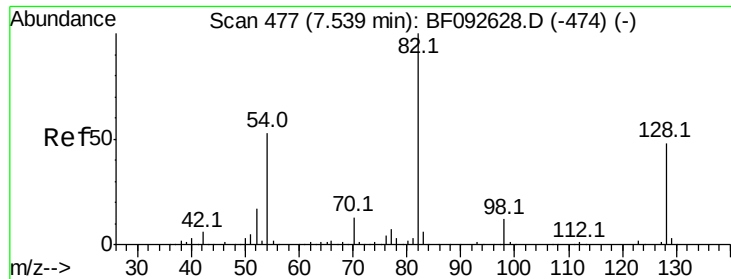
Tot Ion: 70 Resp: 129374
Ion Ratio Lower Upper
70 100
42 47.4 49.4 74.0#
101 0.0 7.4 11.2#
130 2.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF092765.D
Acq: 3 Feb 2017 8:25

Tgt Ion: 136 Resp: 555652
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 9.5 4.5 6.7#
68 6.7 3.6 5.4#

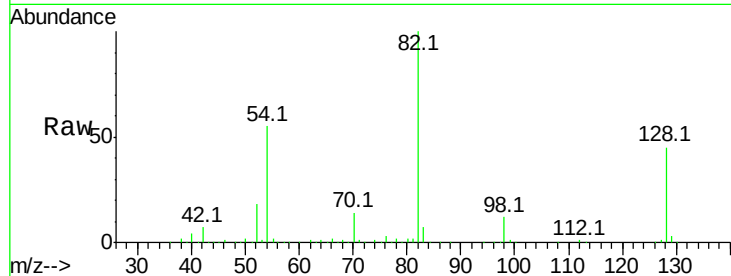




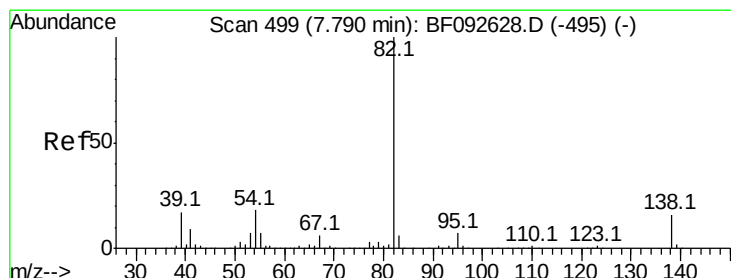
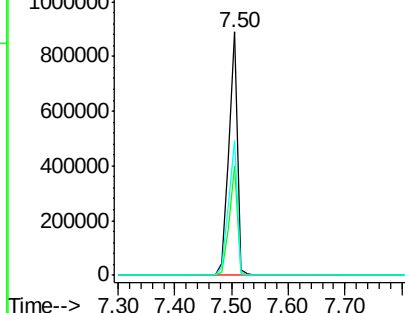
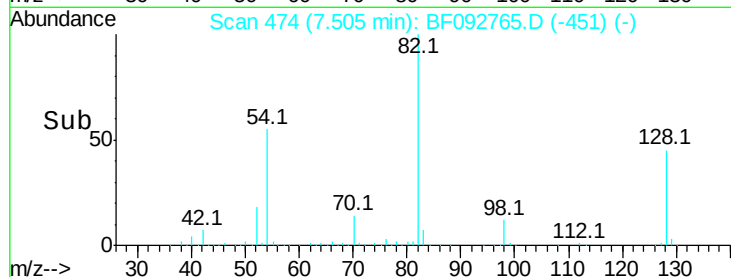
#23
 Nitrobenzene-d5
 Concen: 95.75 ng
 RT: 7.50 min Scan# 474
 Delta R.T. -0.03 min
 Lab File: BF092765.D
 Acq: 3 Feb 2017 8:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	955438
Ion Ratio	Lower	Upper	
82	100		
128	44.8	34.6	52.0
54	55.4	39.5	59.3

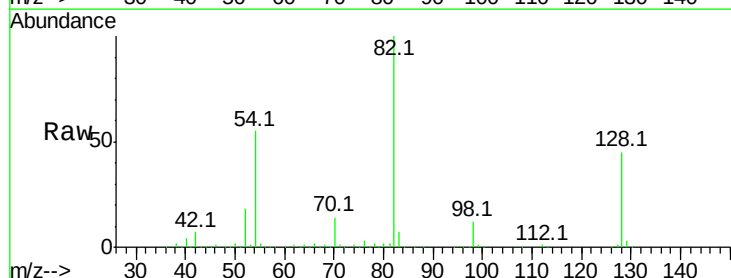


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

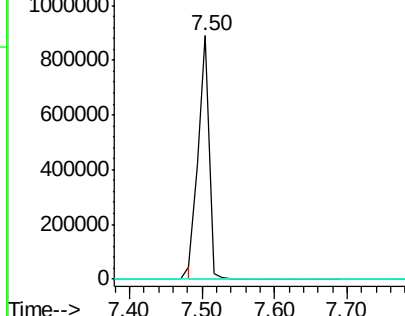
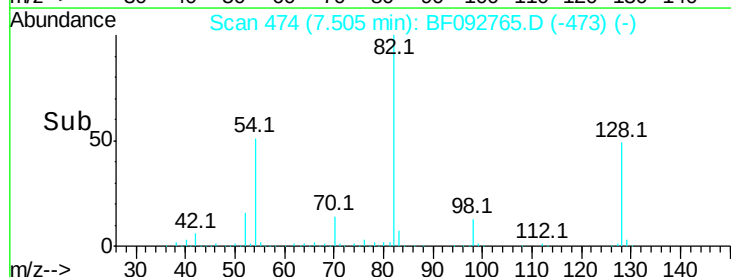


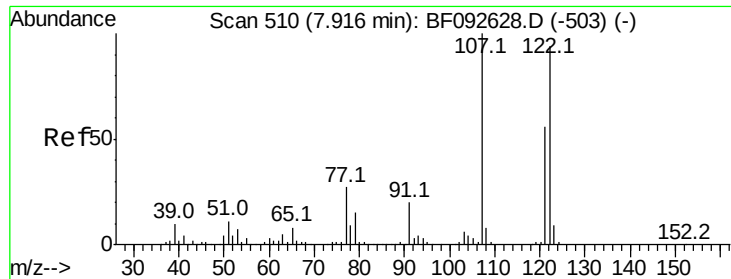
#25
 Isophorone
 Concen: 49.45 ng
 RT: 7.50 min Scan# 474
 Delta R.T. -0.29 min
 Lab File: BF092765.D
 Acq: 3 Feb 2017 8:25

Tgt Ion	82	Resp	919533
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#27

2,4-Dimethylphenol

Concen: 6.95 ng

RT: 7.88 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF092765.D

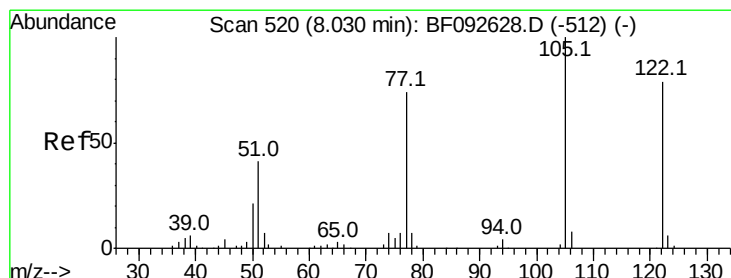
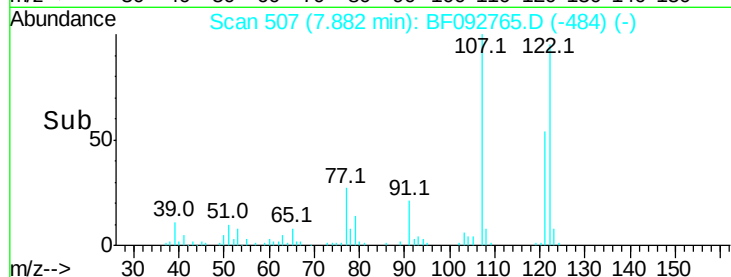
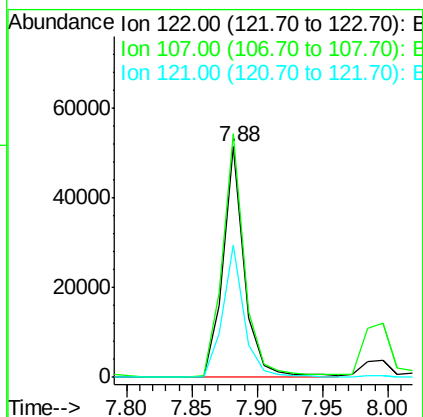
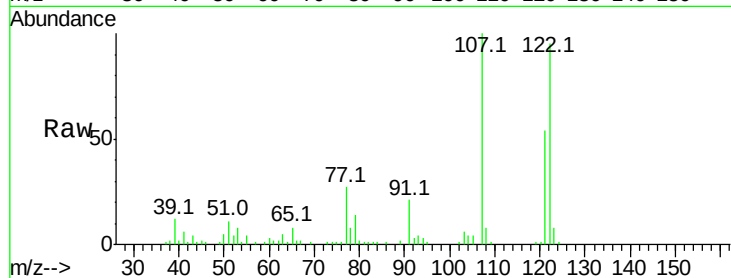
Acq: 3 Feb 2017 8:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	122	Resp:	59457
Ion	Ratio	Lower	Upper
122	100		
107	105.7	94.1	141.1
121	57.5	46.0	69.0



#32

Benzoic acid

Concen: 8.39 ng

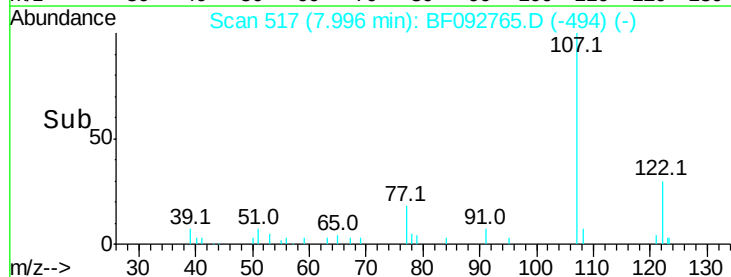
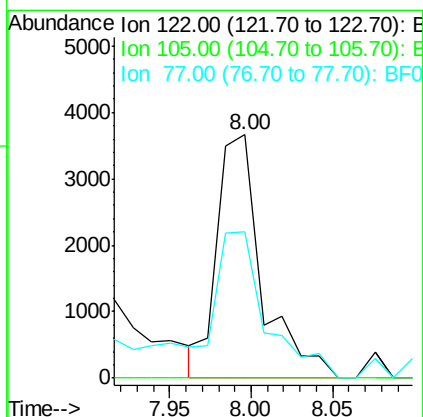
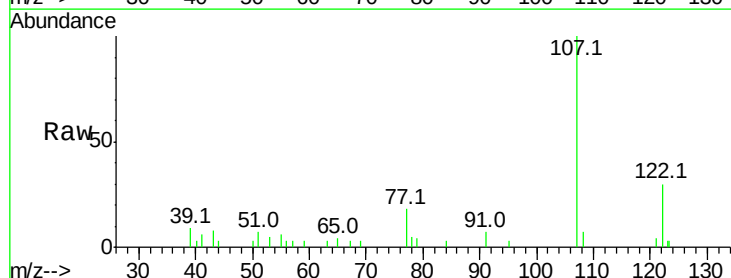
RT: 8.00 min Scan# 517

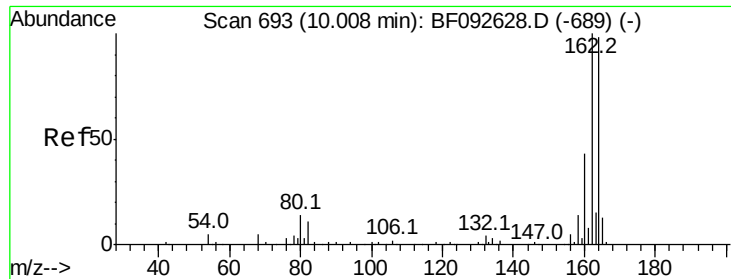
Delta R.T. -0.03 min

Lab File: BF092765.D

Acq: 3 Feb 2017 8:25

Tgt Ion:	122	Resp:	6975
Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.2	147.2#
77	60.2	74.5	114.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF092765.D

Acq: 3 Feb 2017 8:25

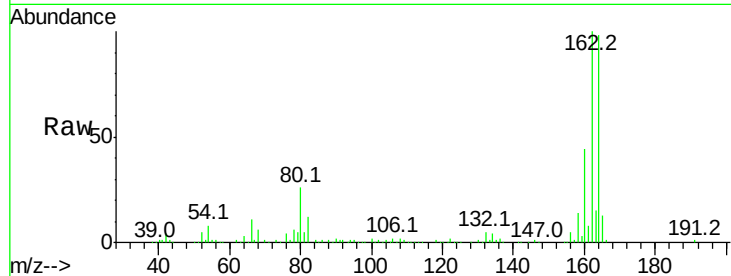
Instrument :

BNA_F

ClientSampleId :

Tot Ion:164 Resp: 275337

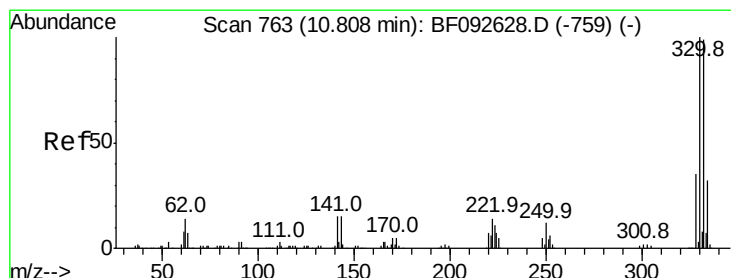
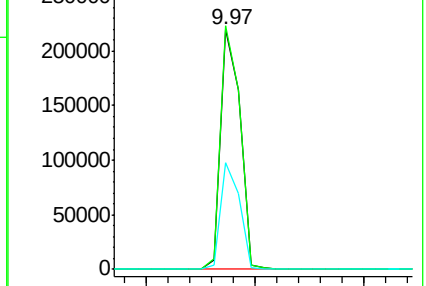
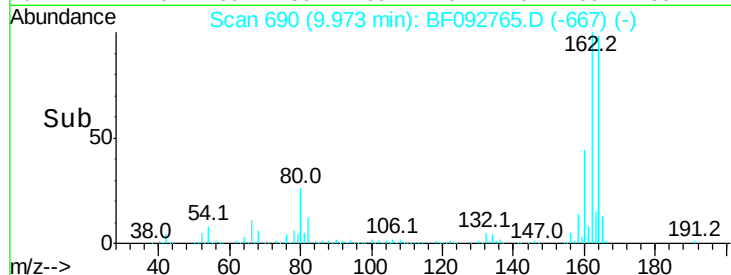
Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.2	120.2
160	44.3	36.9	55.3



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: 150.89 ng

RT: 10.77 min Scan# 760

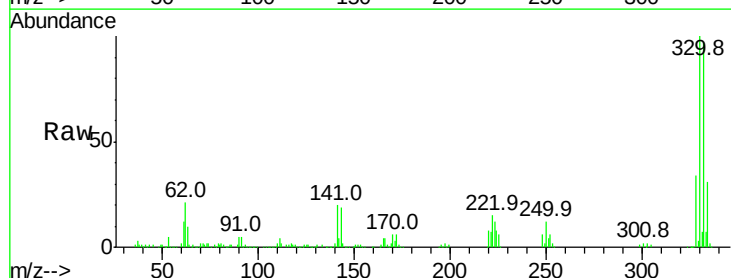
Delta R.T. -0.03 min

Lab File: BF092765.D

Acq: 3 Feb 2017 8:25

Tgt Ion:330 Resp: 300493

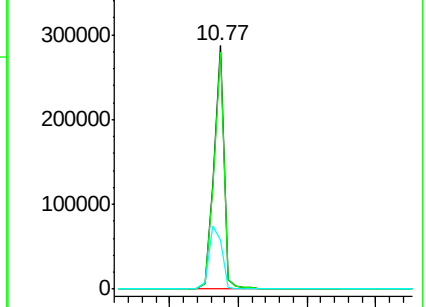
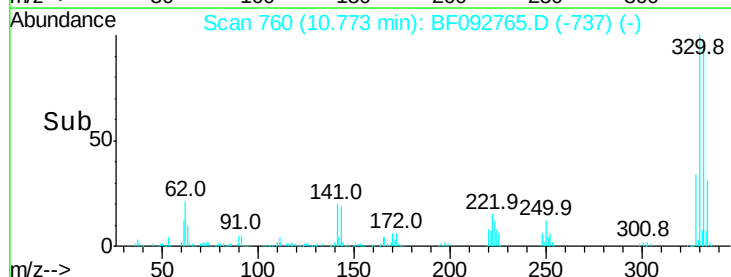
Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.2
141	33.4	34.1	51.1#

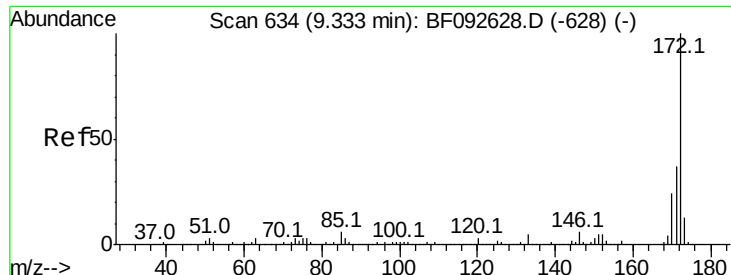


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

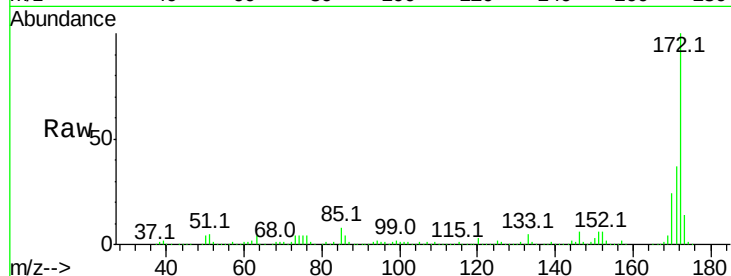




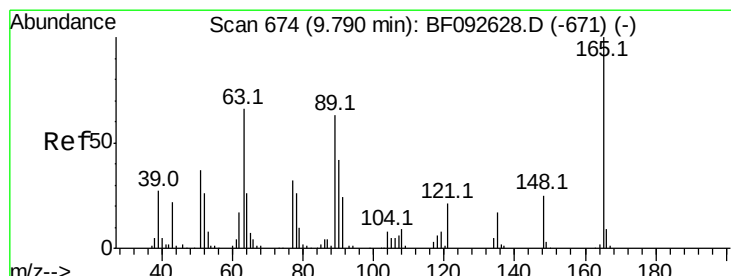
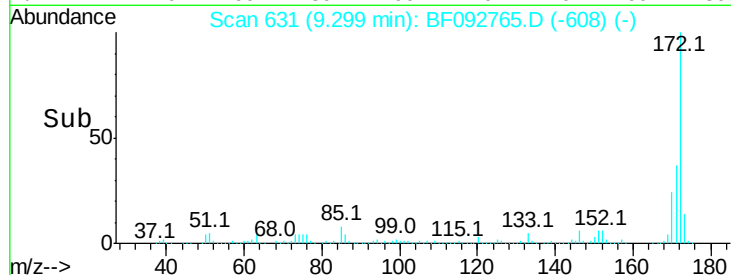
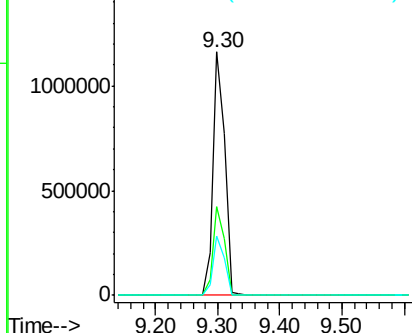
#44
 2-Fluorobiphenyl
 Concen: 98.74 ng
 RT: 9.30 min Scan# 631
 Delta R.T. -0.03 min
 Lab File: BF092765.D
 Acq: 3 Feb 2017 8:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1500649
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.2 20.2 30.4

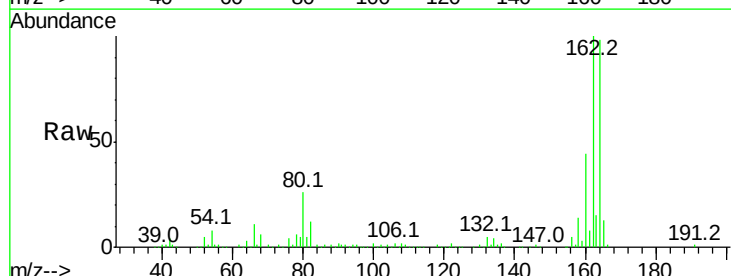


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

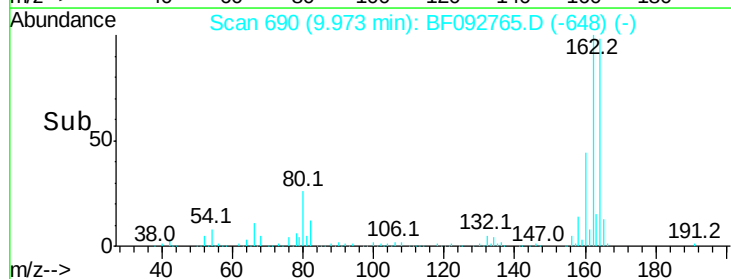
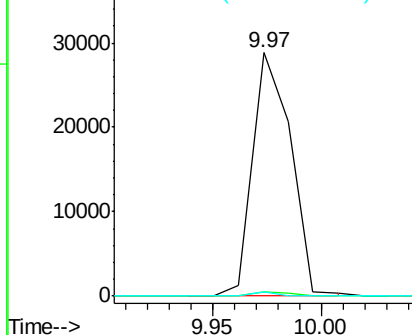


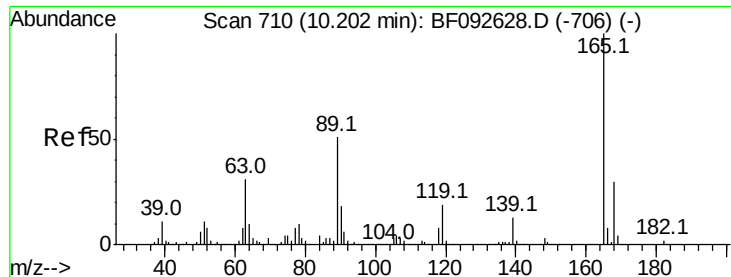
#50
 2,6-Dinitrotoluene
 Concen: 8.83 ng
 RT: 9.97 min Scan# 690
 Delta R.T. 0.18 min
 Lab File: BF092765.D
 Acq: 3 Feb 2017 8:25

Tgt Ion:165 Resp: 35380
 Ion Ratio Lower Upper
 165 100
 63 1.6 36.2 54.4#
 89 1.9 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

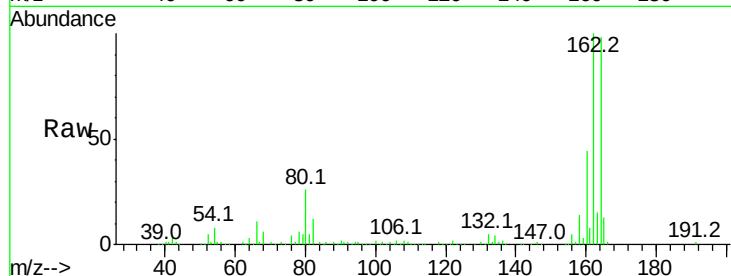




#56
 2,4-Dinitrotoluene
 Concen: 6.64 ng
 RT: 9.97 min Scan# 690
 Delta R.T. -0.23 min
 Lab File: BF092765.D
 Acq: 3 Feb 2017 8:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	40.2	60.4#
89	1.9	62.5	93.7#
182	0.0	1.8	2.8#

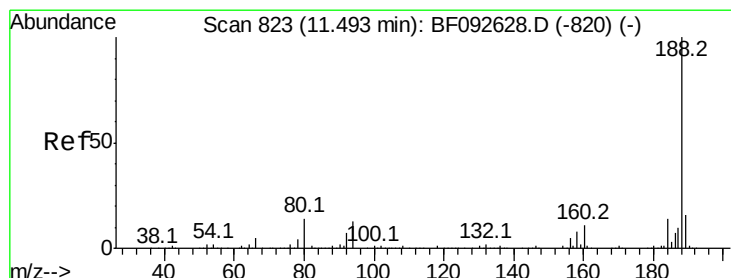
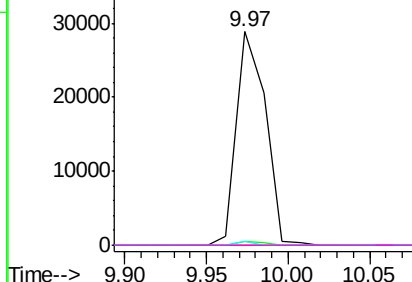
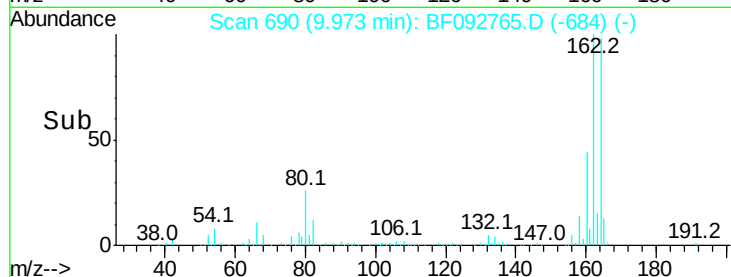


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

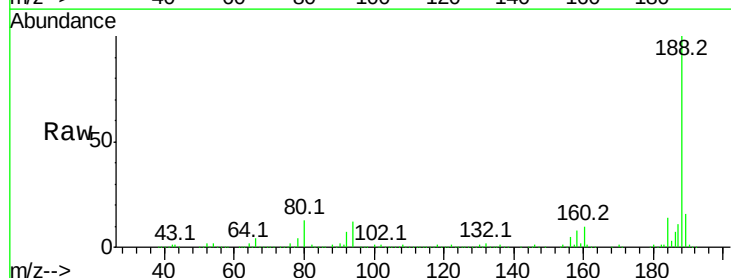
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.46 min Scan# 820
 Delta R.T. -0.03 min
 Lab File: BF092765.D
 Acq: 3 Feb 2017 8:25

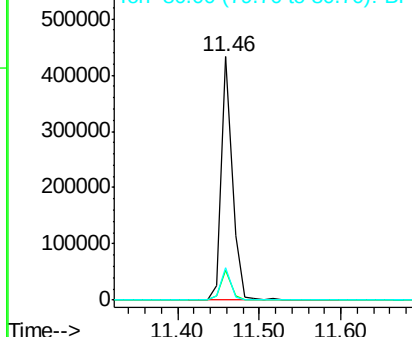
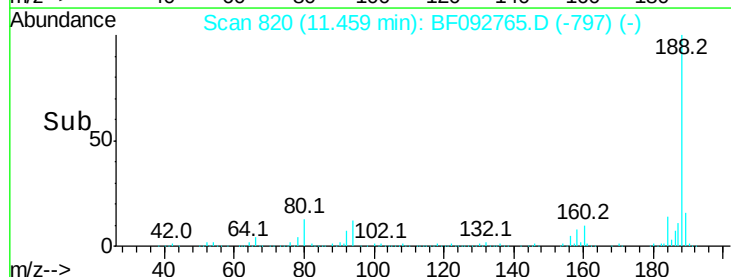
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.3	10.0	15.0
80	13.1	11.2	16.8

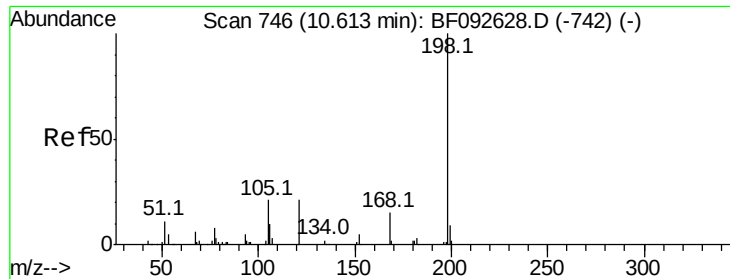


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

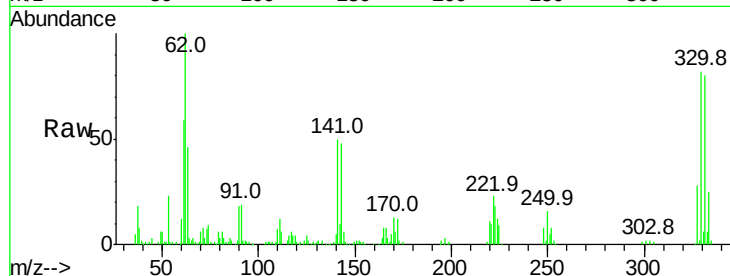




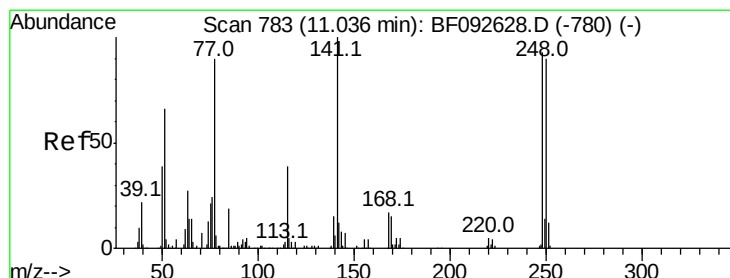
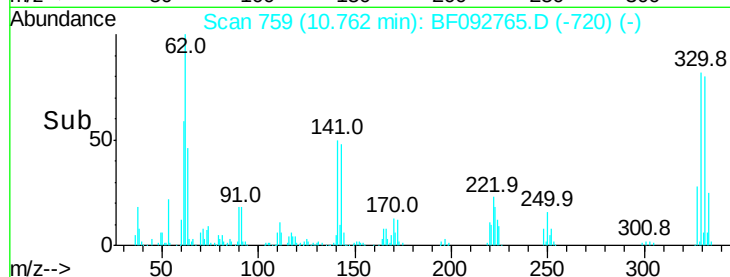
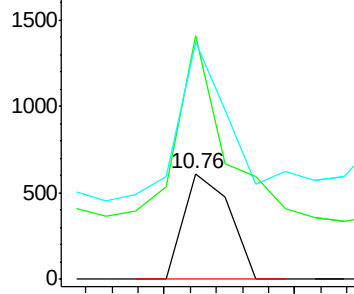
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.96 ng
 RT: 10.76 min Scan# 759
 Delta R.T. 0.15 min
 Lab File: BF092765.D
 Acq: 3 Feb 2017 8:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 745
 Ion Ratio Lower Upper
 198 100
 51 230.3 6.7 46.7#
 105 224.5 16.6 56.6#

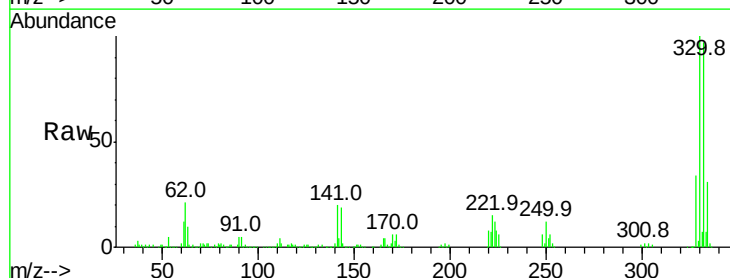


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

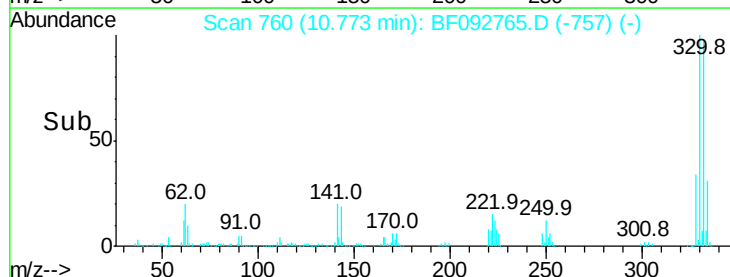
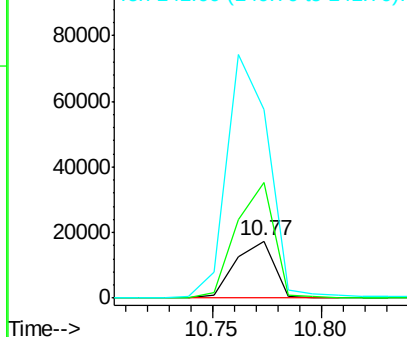


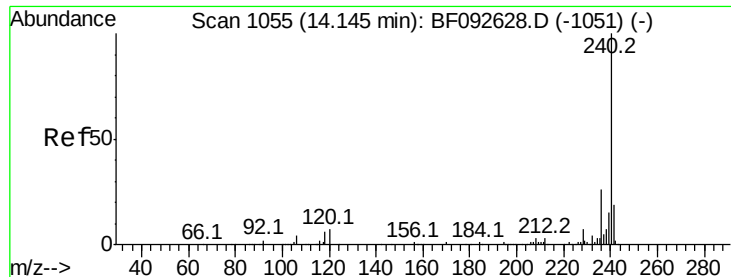
#66
 4-Bromophenyl-phenylether
 Concen: 5.10 ng
 RT: 10.77 min Scan# 760
 Delta R.T. -0.26 min
 Lab File: BF092765.D
 Acq: 3 Feb 2017 8:25

Tgt Ion:248 Resp: 21452
 Ion Ratio Lower Upper
 248 100
 250 204.2 76.9 115.3#
 141 333.0 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: 14.10 min Scan# 1051

Delta R.T. -0.05 min

Lab File: BF092765.D

Acq: 3 Feb 2017 8:25

Instrument :

BNA_F

ClientSampled :

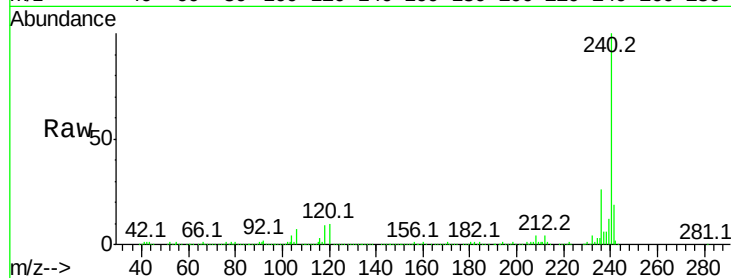
Tot Ion:240 Resp: 354902

Ion Ratio Lower Upper

240 100

120 10.4 12.9 19.3#

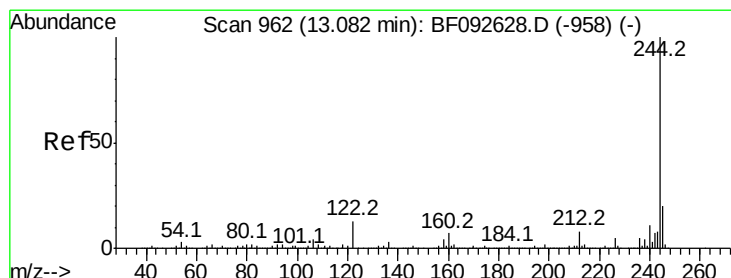
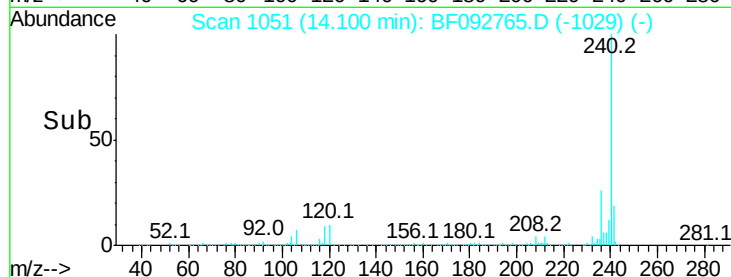
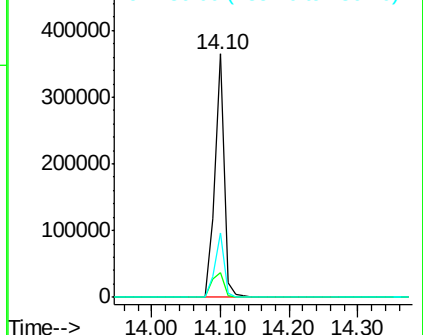
236 26.5 20.9 31.3



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: 74.91 ng

RT: 13.05 min Scan# 959

Delta R.T. -0.03 min

Lab File: BF092765.D

Acq: 3 Feb 2017 8:25

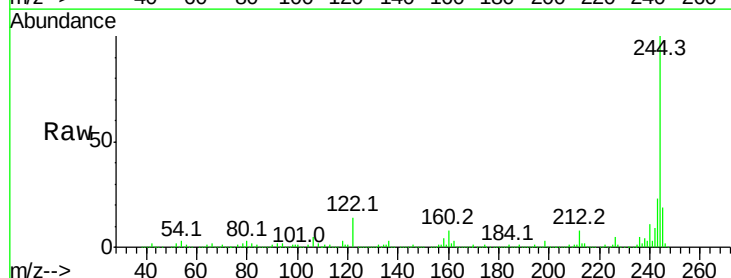
Tgt Ion:244 Resp: 1131495

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

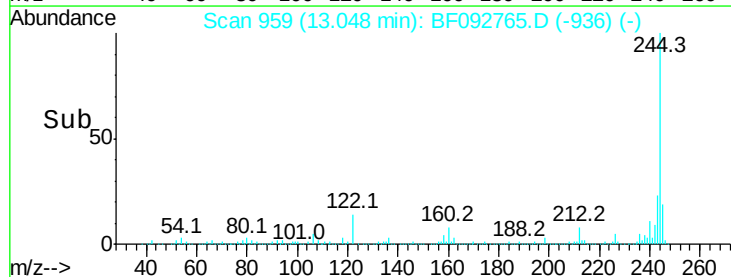
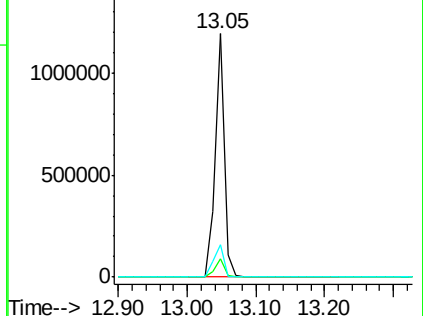
122 13.6 11.4 17.2

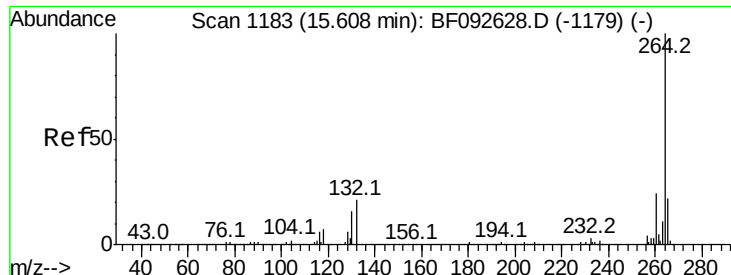


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.56 min Scan# 1179
 Delta R.T. -0.05 min
 Lab File: BF092765.D
 Acq: 3 Feb 2017 8:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 301873
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.3 17.4 26.0

