

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050616\
 Data File : BF086743.D
 Acq On : 7 May 2016 00:23
 Operator : UM/SJ
 Sample : H2770-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 07 03:28:41 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 07 03:18:46 2016
 Response via : Initial Calibration

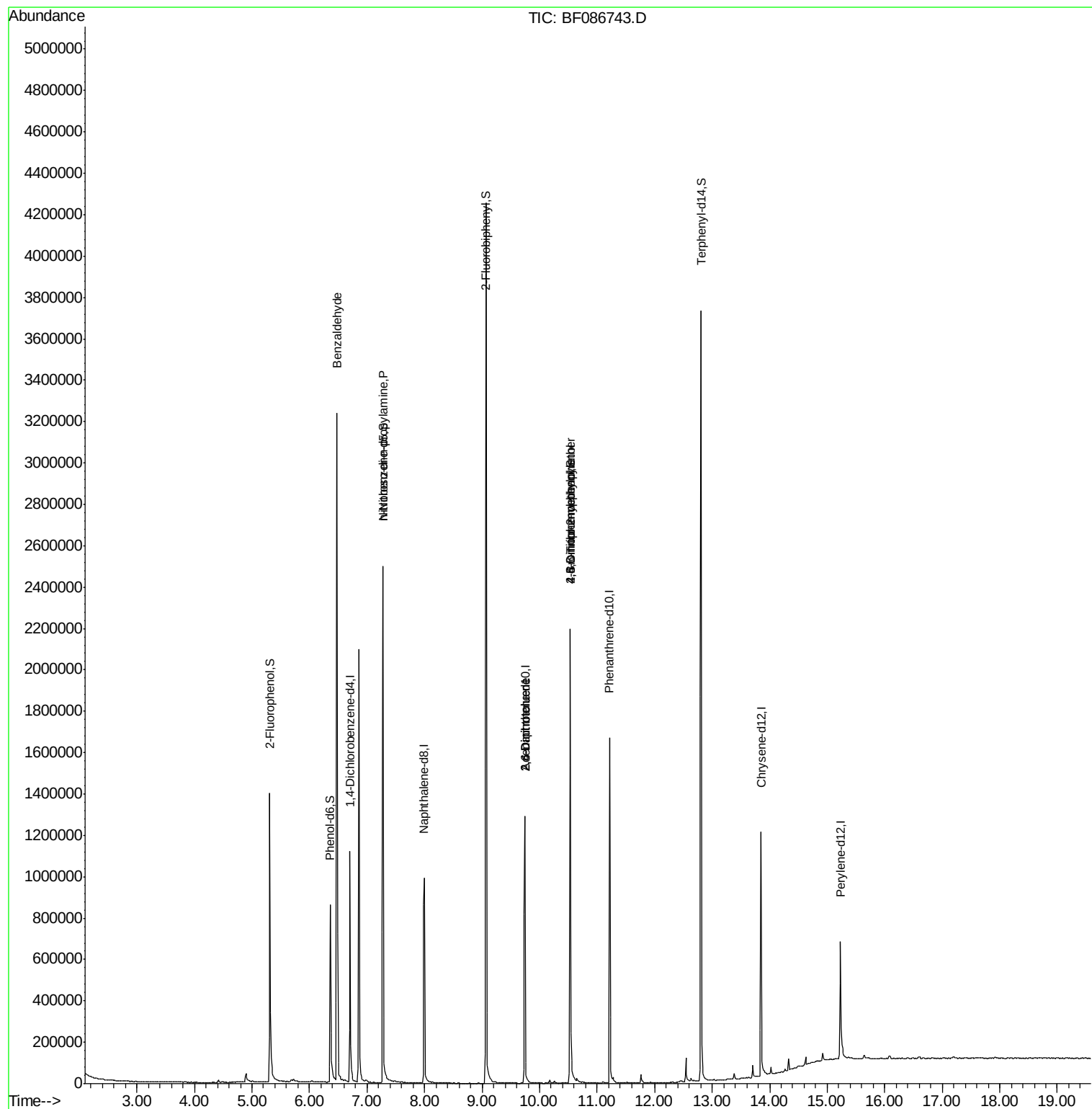
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	164439	40.00	ng	0.00
21) Naphthalene-d8	8.00	136	670650	40.00	ng	0.00
38) Acenaphthene-d10	9.74	164	337240	40.00	ng	0.00
63) Phenanthrene-d10	11.22	188	625192	40.00	ng	-0.01
75) Chrysene-d12	13.85	240	447189	40.00	ng	-0.01
86) Perylene-d12	15.23	264	321629	40.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	402907	40.56	ng	-0.01
7) Phenol-d6	6.36	99	332406	24.84	ng	-0.02
23) Nitrobenzene-d5	7.28	82	824467	63.17	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	336457	101.99	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	1418714	68.96	ng	-0.01
78) Terphenyl-d14	12.81	244	1279133	57.81	ng	0.00
Target Compounds						
9) Benzaldehyde	6.48	77	21239	3.18	ng	# 71
19) n-Nitroso-di-n-propylamine	7.28	70	113990	12.47	ng	# 72
50) 2,6-Dinitrotoluene	9.74	165	42443	7.87	ng	# 21
56) 2,4-Dinitrotoluene	9.74	165	42440	6.35	ng	# 16
64) 4,6-Dinitro-2-methylphenol	10.53	198	844	5.52	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	21360	3.44	ng	# 1

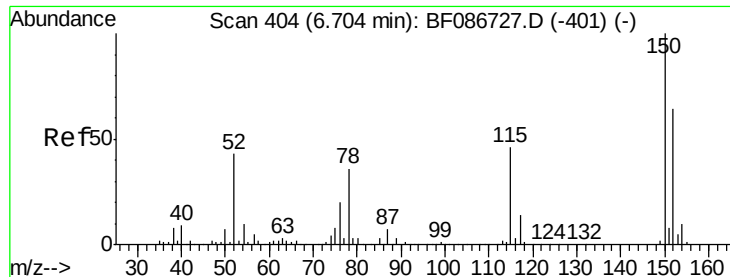
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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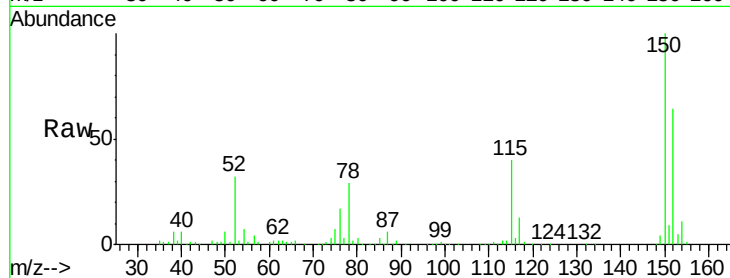


#1

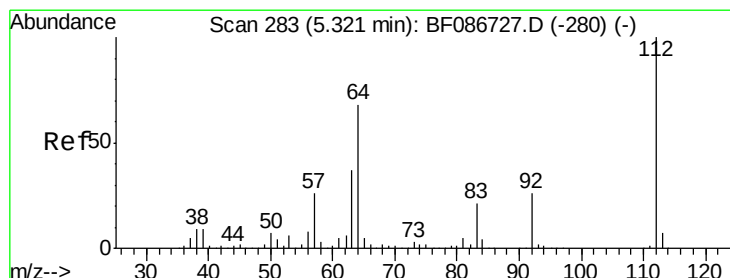
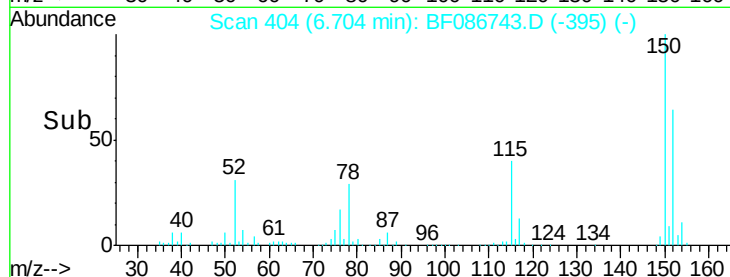
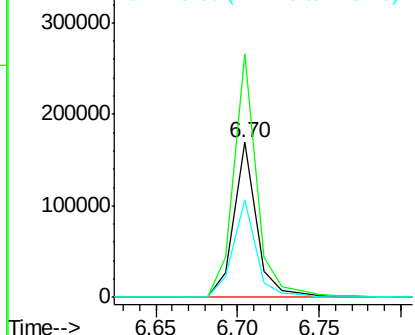
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.70 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF086743.D
Acq: 7 May 2016 00:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 164439
Ion Ratio Lower Upper
152 100
150 157.0 125.8 188.6
115 62.8 51.5 77.3



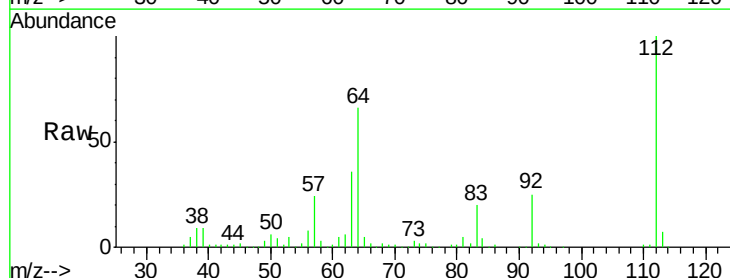
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



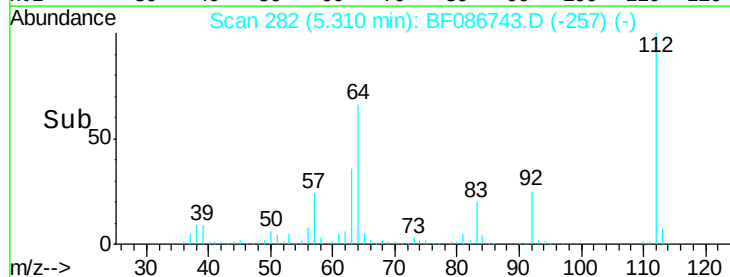
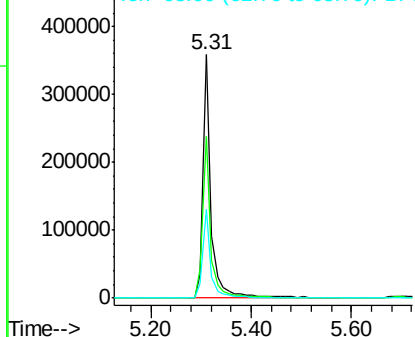
#5

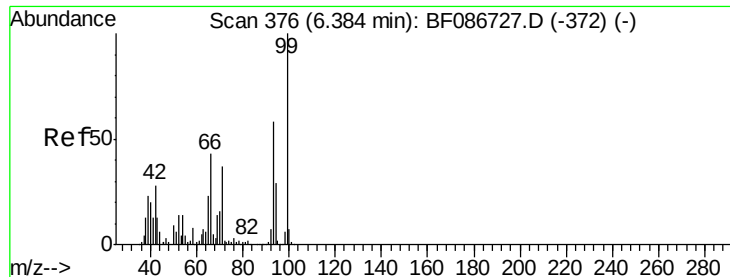
2-Fluorophenol
Concen: 40.56 ng
RT: 5.31 min Scan# 282
Delta R.T. -0.01 min
Lab File: BF086743.D
Acq: 7 May 2016 00:23

Tgt Ion:112 Resp: 402907
Ion Ratio Lower Upper
112 100
64 66.2 52.1 78.1
63 36.3 25.7 38.5



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: 24.84 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.02 min

Lab File: BF086743.D

Acq: 7 May 2016 00:23

Instrument :

BNA_F

ClientSampleId :

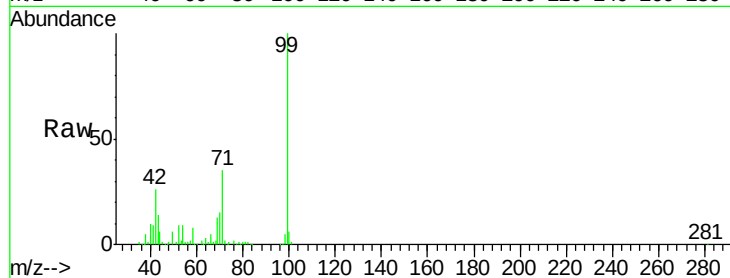
Tot Ion: 99 Resp: 332406

Ion Ratio Lower Upper

99 100

42 26.5 13.6 20.4#

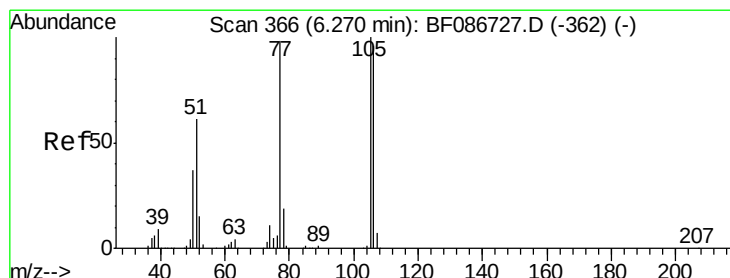
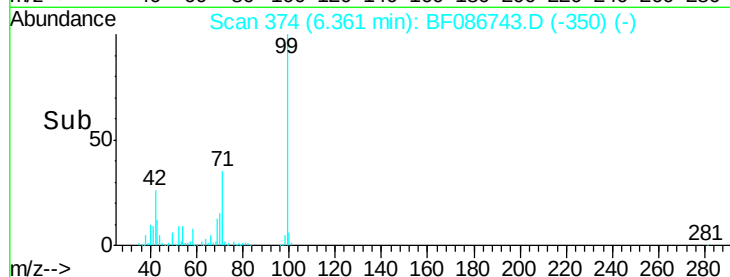
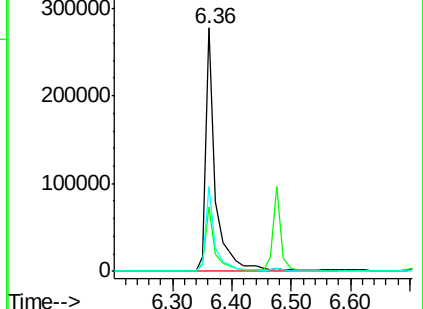
71 35.0 24.6 36.8



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: 3.18 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.21 min

Lab File: BF086743.D

Acq: 7 May 2016 00:23

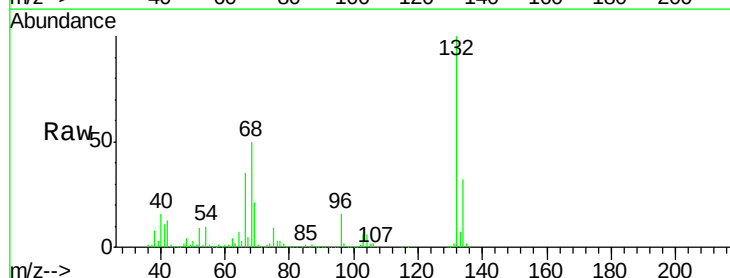
Tgt Ion: 77 Resp: 21239

Ion Ratio Lower Upper

77 100

105 70.0 72.7 112.7#

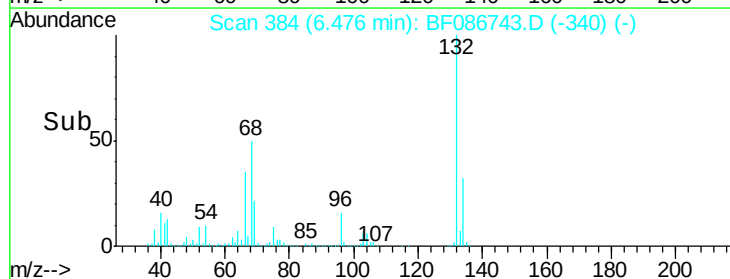
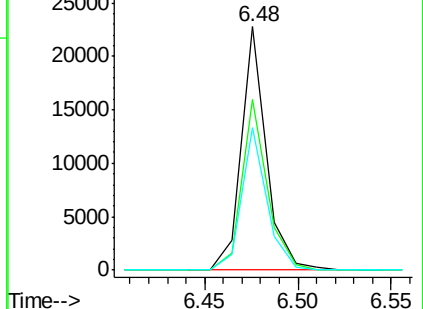
106 58.5 70.8 110.8#

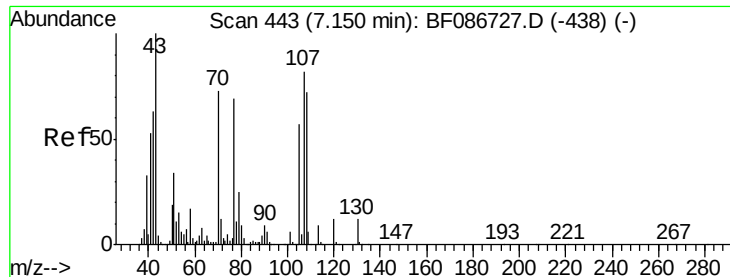


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

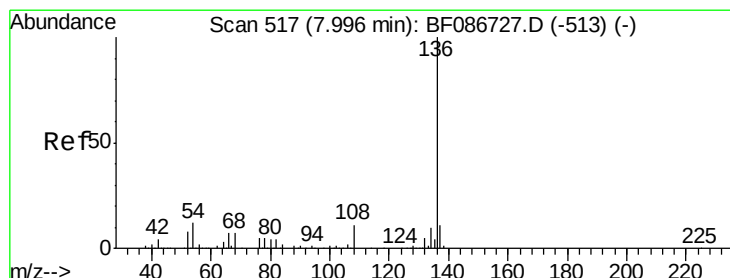
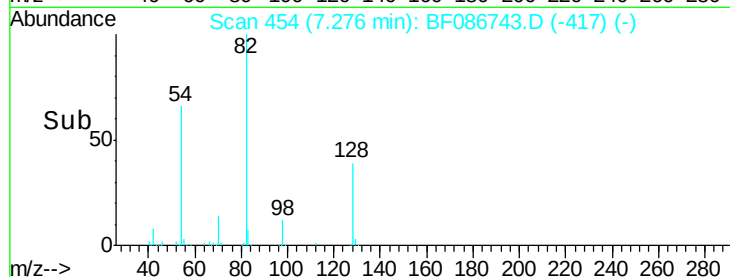
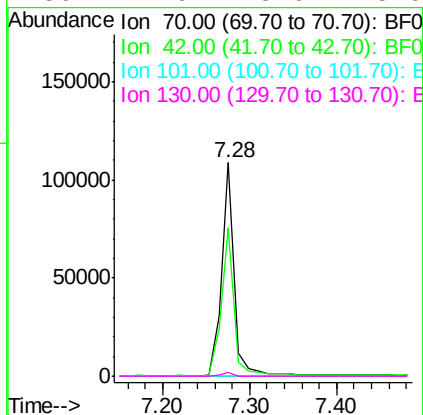
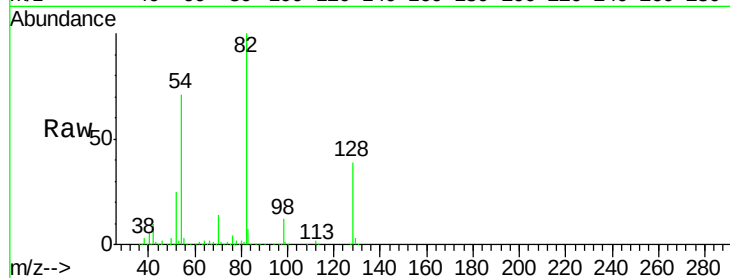




#19
n-Nitroso-di-n-propylamine
Concen: 12.47 ng
RT: 7.28 min Scan# 454
Delta R.T. 0.13 min
Lab File: BF086743.D
Acq: 7 May 2016 00:23

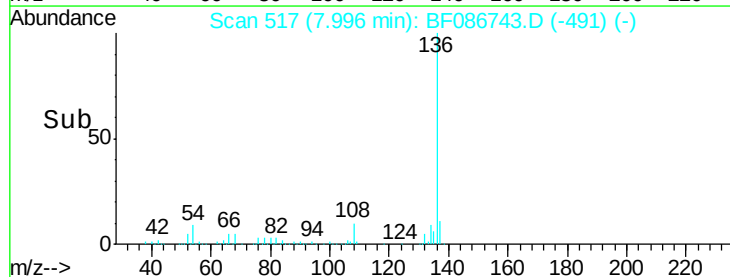
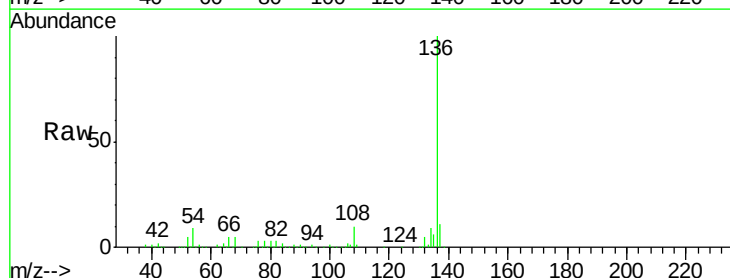
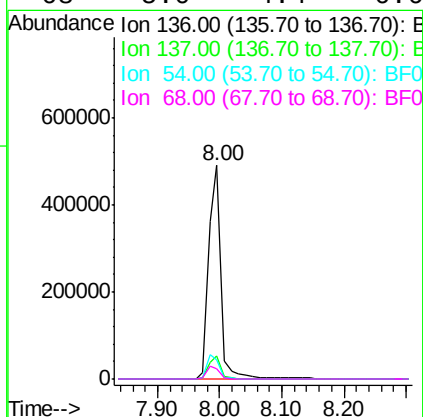
Instrument :
BNA_F
ClientSampleId :

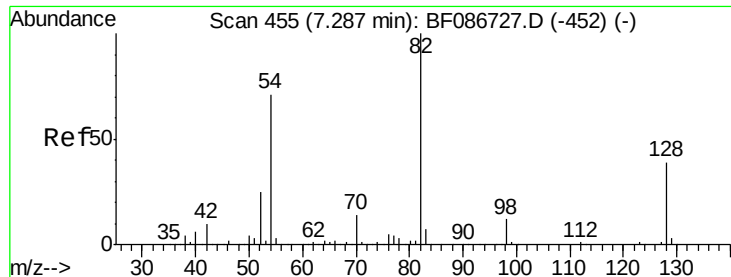
Tot Ion: 70 Resp: 113990
Ion Ratio Lower Upper
70 100
42 69.4 43.1 64.7#
101 0.0 8.1 12.1#
130 1.9 18.6 28.0#



#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.00 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF086743.D
Acq: 7 May 2016 00:23

Tgt Ion: 136 Resp: 670650
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.8 5.0 7.4#
68 5.0 4.4 6.6

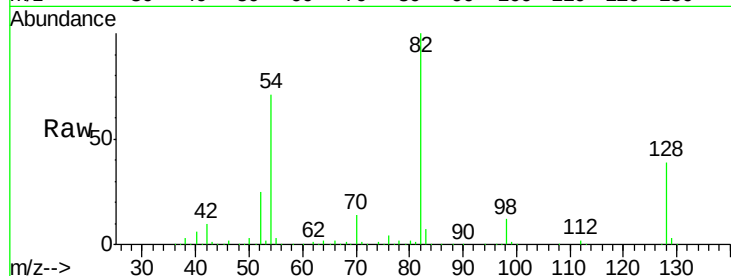




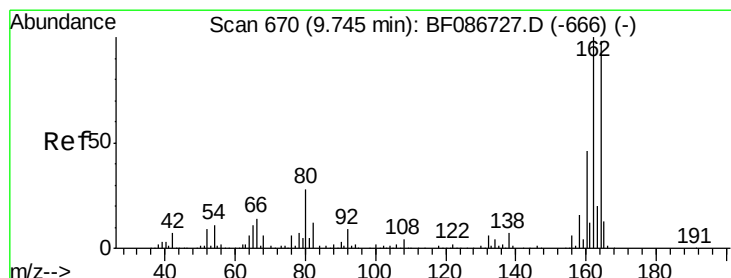
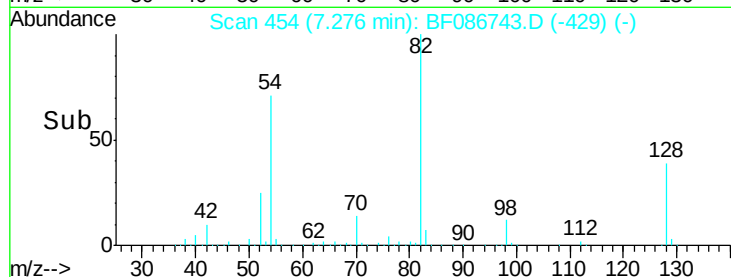
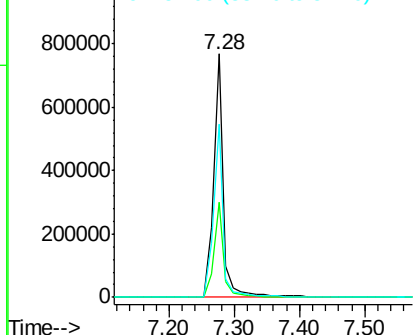
#23
Nitrobenzene-d5
Concen: 63.17 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF086743.D
Acq: 7 May 2016 00:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	824467
Ion Ratio	Lower	Upper	
82	100		
128	39.3	40.6	61.0#
54	71.0	38.1	57.1#

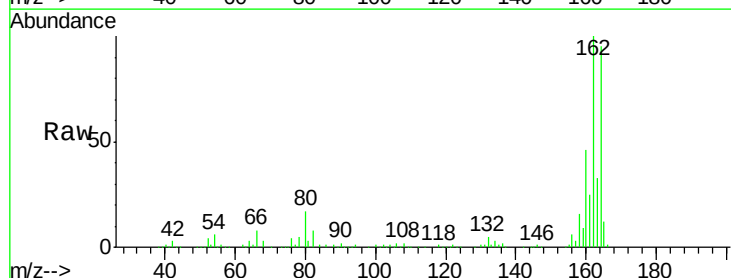


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

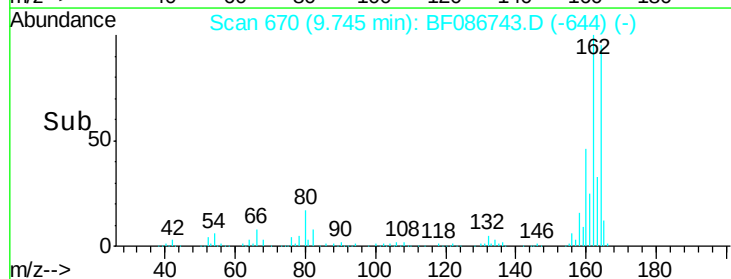
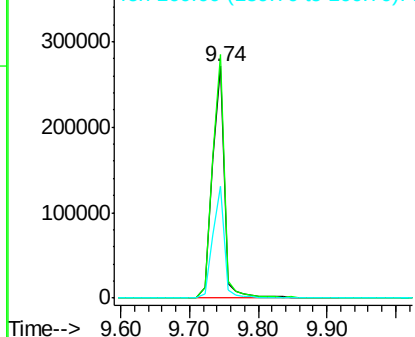


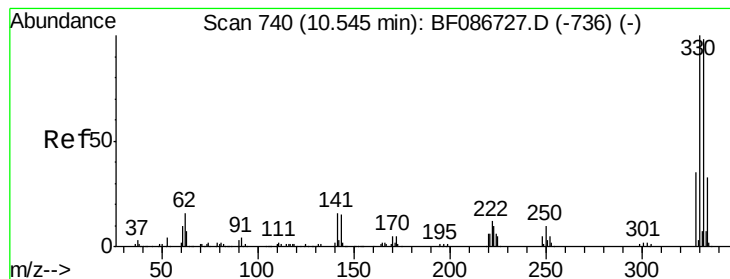
#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.74 min Scan# 670
Delta R.T. 0.00 min
Lab File: BF086743.D
Acq: 7 May 2016 00:23

Tgt Ion	164	Resp	337240
Ion Ratio	Lower	Upper	
164	100		
162	105.0	82.8	124.2
160	48.5	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: 101.99 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF086743.D

Acq: 7 May 2016 00:23

Instrument :

BNA_F

ClientSampleId :

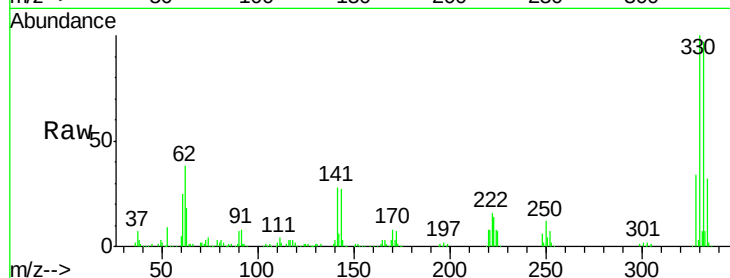
Tot Ion:330 Resp: 336457

Ion Ratio Lower Upper

330 100

332 97.7 79.0 118.4

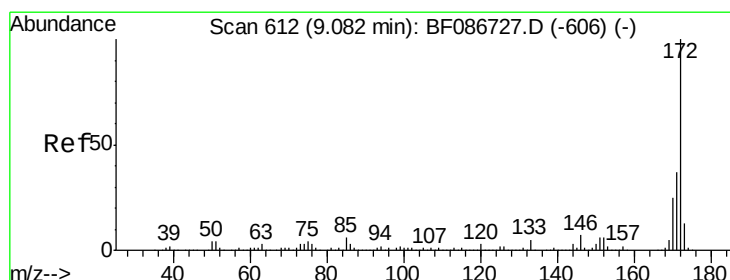
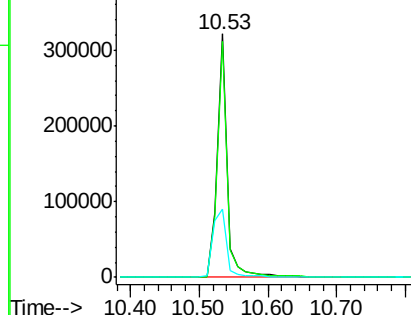
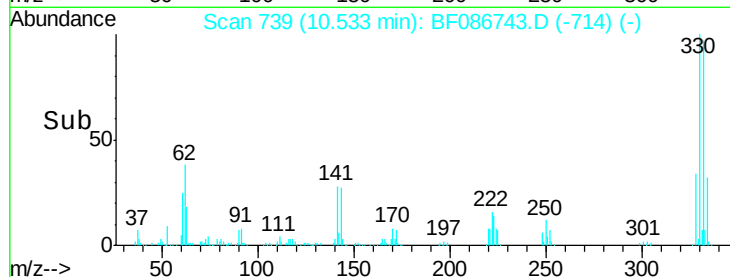
141 39.3 31.2 46.8



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: 68.96 ng

RT: 9.07 min Scan# 611

Delta R.T. -0.01 min

Lab File: BF086743.D

Acq: 7 May 2016 00:23

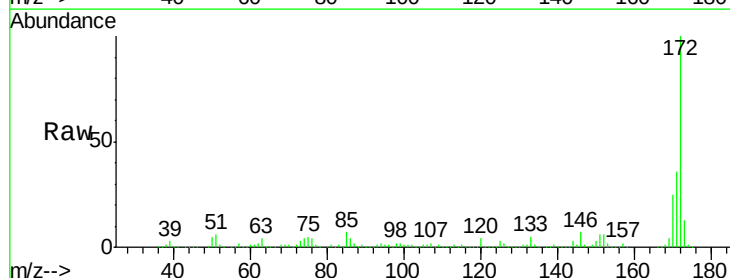
Tgt Ion:172 Resp: 1418714

Ion Ratio Lower Upper

172 100

171 35.8 29.0 43.6

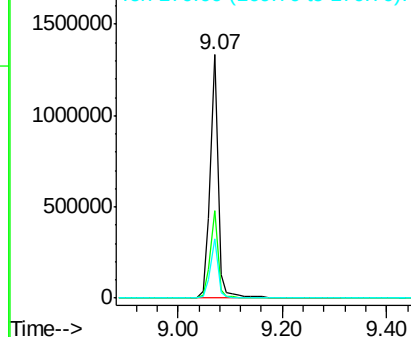
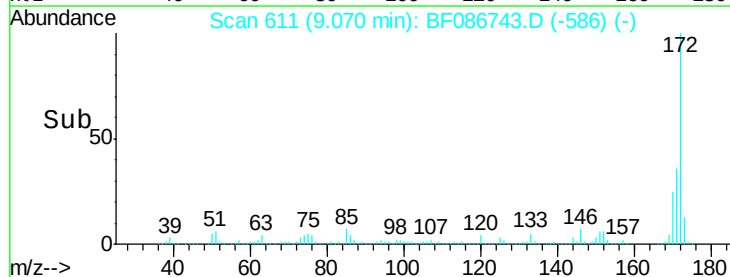
170 24.5 19.8 29.8

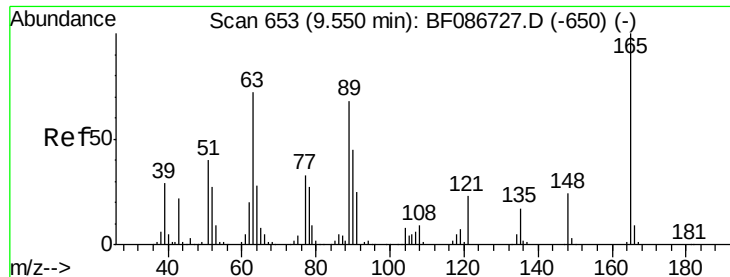


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

2,6-Dinitrotoluene

Concen: 7.87 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.19 min

Lab File: BF086743.D

Acq: 7 May 2016 00:23

Instrument :

BNA_F

ClientSampleId :

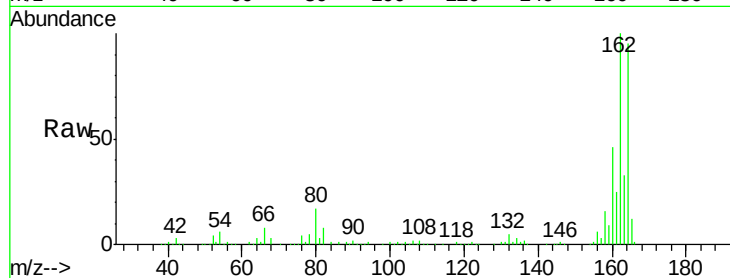
Tot Ion:165 Resp: 42443

Ion Ratio Lower Upper

165 100

63 2.1 51.8 77.8#

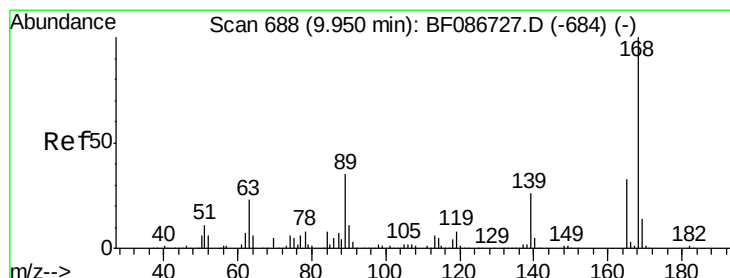
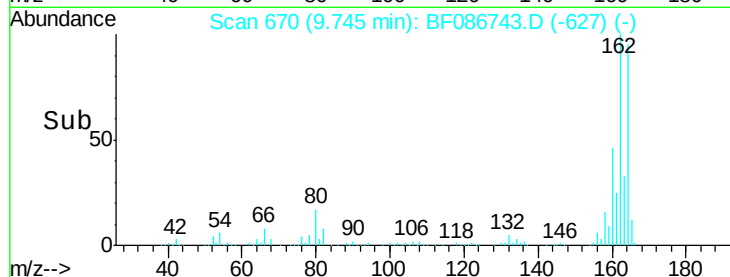
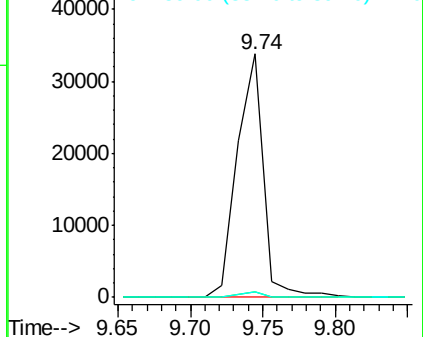
89 2.4 50.7 76.1#



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: 6.35 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.21 min

Lab File: BF086743.D

Acq: 7 May 2016 00:23

Tgt Ion:165 Resp: 42440

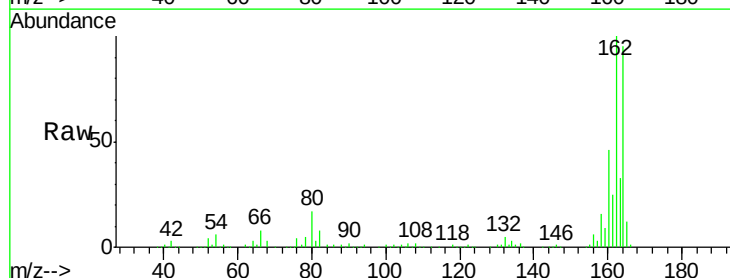
Ion Ratio Lower Upper

165 100

63 2.1 44.3 66.5#

89 2.4 70.0 105.0#

182 0.0 1.8 2.6#

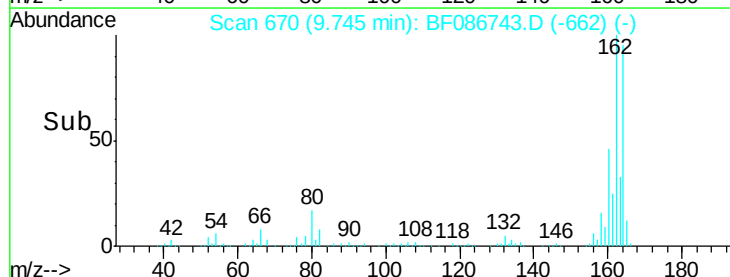
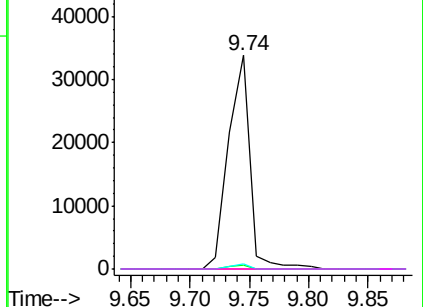


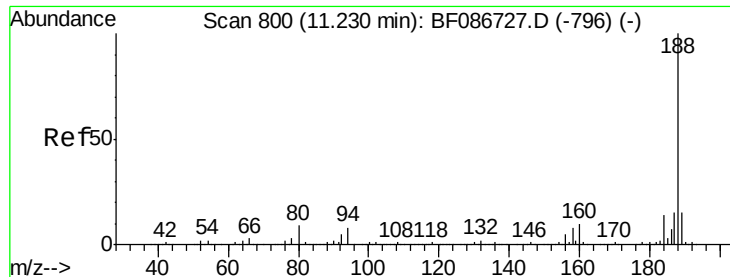
Abundance Ion 165.00 (164.70 to 165.70): E

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

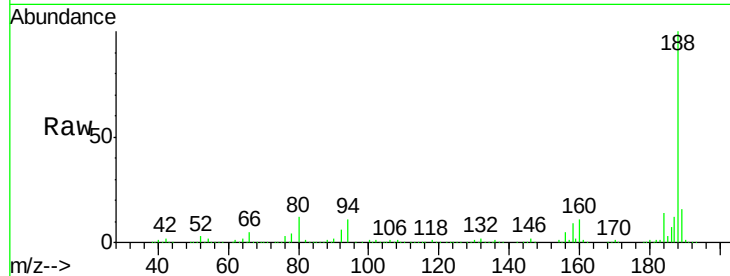




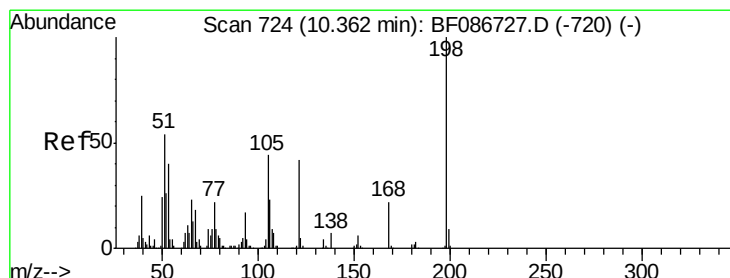
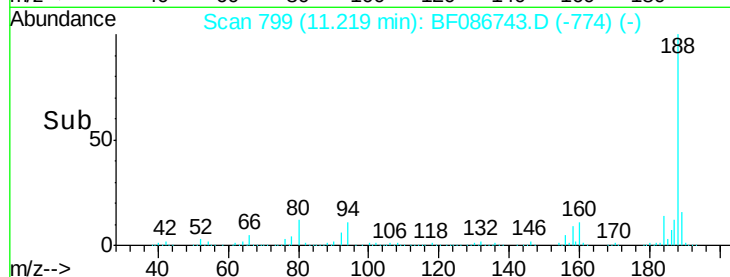
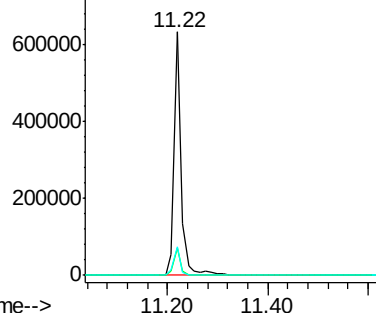
#63
 Phenanthrene-d10
 Concen: 40.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF086743.D
 Acq: 7 May 2016 00:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 625192
 Ion Ratio Lower Upper
 188 100
 94 11.0 6.8 10.2#
 80 11.8 7.1 10.7#

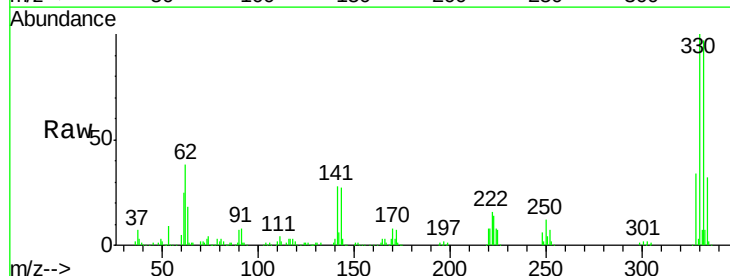


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

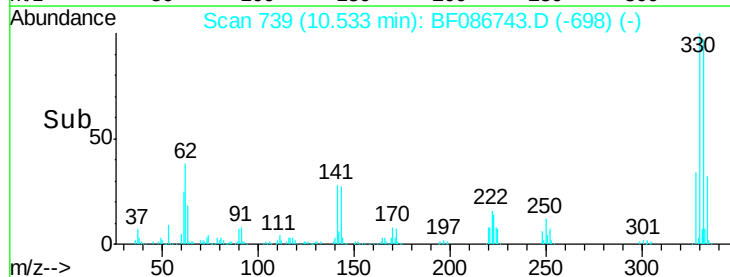
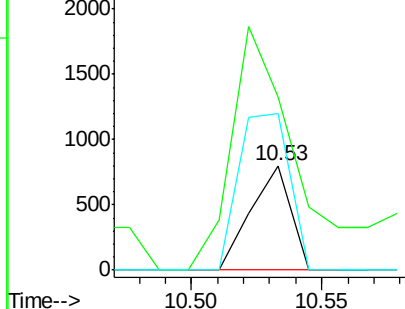


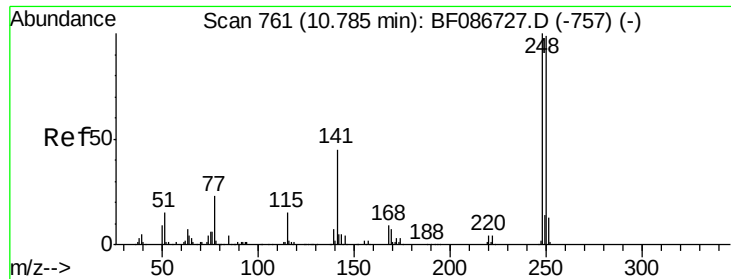
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.52 ng
 RT: 10.53 min Scan# 739
 Delta R.T. 0.17 min
 Lab File: BF086743.D
 Acq: 7 May 2016 00:23

Tgt Ion:198 Resp: 844
 Ion Ratio Lower Upper
 198 100
 51 165.5 20.5 60.5#
 105 150.1 24.5 64.5#



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

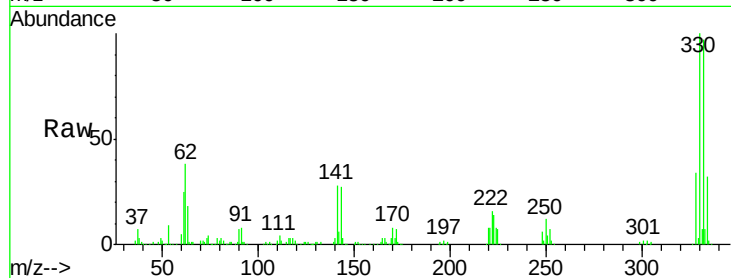




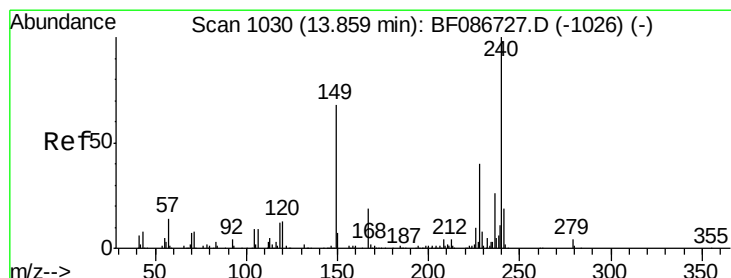
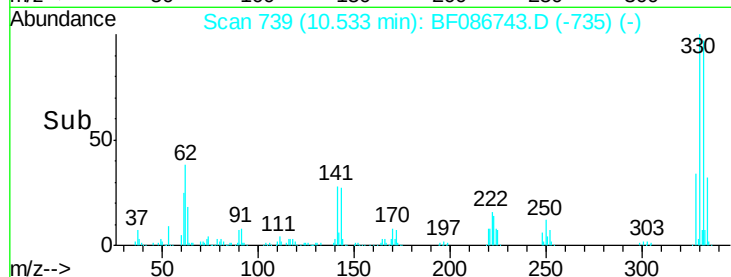
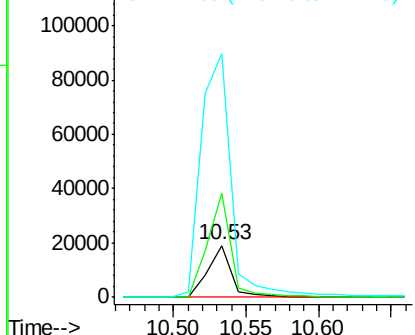
#66
 4-Bromophenyl-phenylether
 Concen: 3.44 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.25 min
 Lab File: BF086743.D
 Acq: 7 May 2016 00:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 21360
 Ion Ratio Lower Upper
 248 100
 250 200.5 78.6 117.8#
 141 466.6 76.0 114.0#

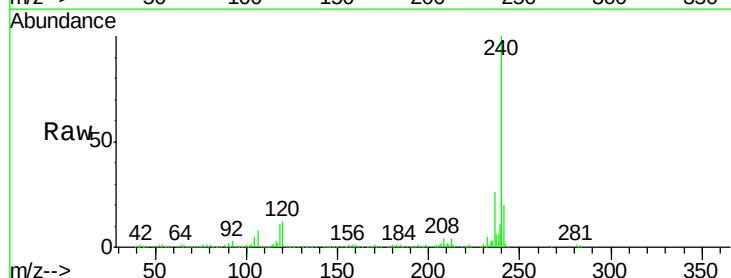


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

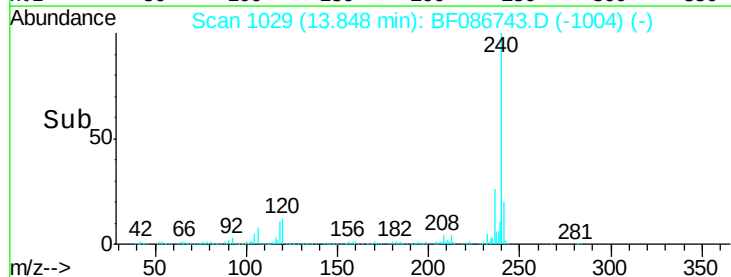
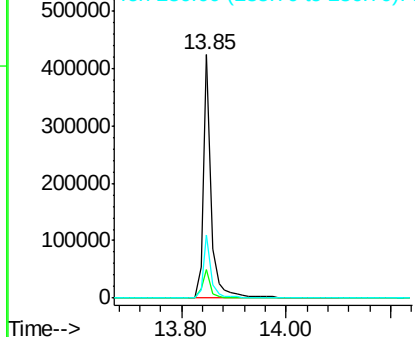


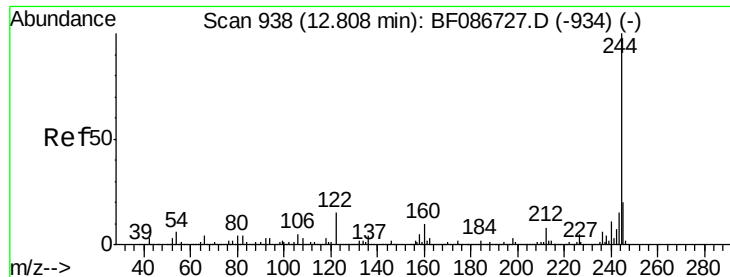
#75
 Chrysene-d12
 Concen: 40.00 ng
 RT: 13.85 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BF086743.D
 Acq: 7 May 2016 00:23

Tgt Ion:240 Resp: 447189
 Ion Ratio Lower Upper
 240 100
 120 11.8 11.2 16.8
 236 26.2 21.2 31.8



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: 57.81 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF086743.D

Acq: 7 May 2016 00:23

Instrument :

BNA_F

ClientSampleId :

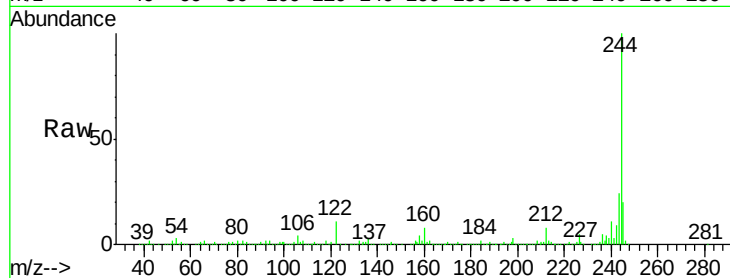
Tot Ion:244 Resp: 1279133

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

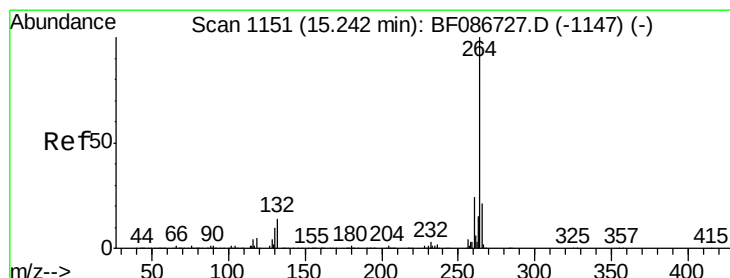
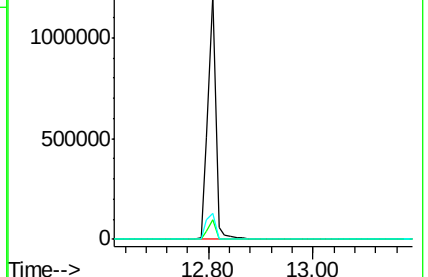
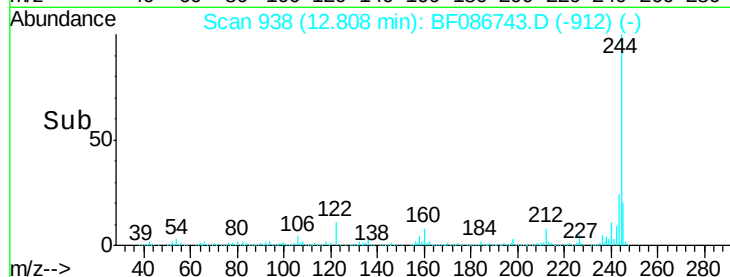
122 10.7 12.0 18.0#



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: 40.00 ng

RT: 15.23 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF086743.D

Acq: 7 May 2016 00:23

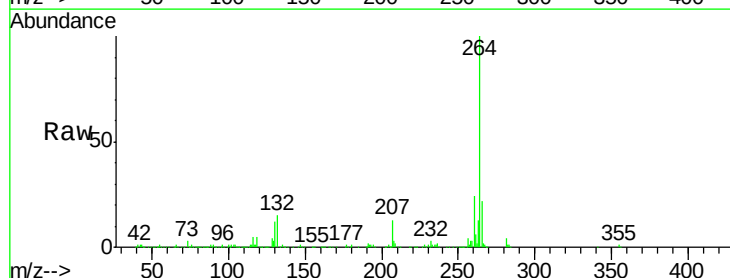
Tgt Ion:264 Resp: 321629

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 21.6 17.3 25.9



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

