

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041516\
 Data File : BF086251.D
 Acq On : 16 Apr 2016 8:24
 Operator : UM/SJ
 Sample : H2503-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-FB1-20160412

Quant Time: Apr 18 03:58:06 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 15 15:56:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	292476	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1223756	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	526781	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	946235	20.00	ng	0.00
75) Chrysene-d12	14.04	240	557958	20.00	ng	-0.01
86) Perylene-d12	15.48	264	475966	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	1094139	61.29	ng	0.00
7) Phenol-d6	6.51	99	892303	39.96	ng	-0.01
23) Nitrobenzene-d5	7.46	82	1770446	83.44	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	498734	117.90	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	2538470	88.92	ng	-0.01
78) Terphenyl-d14	13.00	244	1987449	89.57	ng	0.00

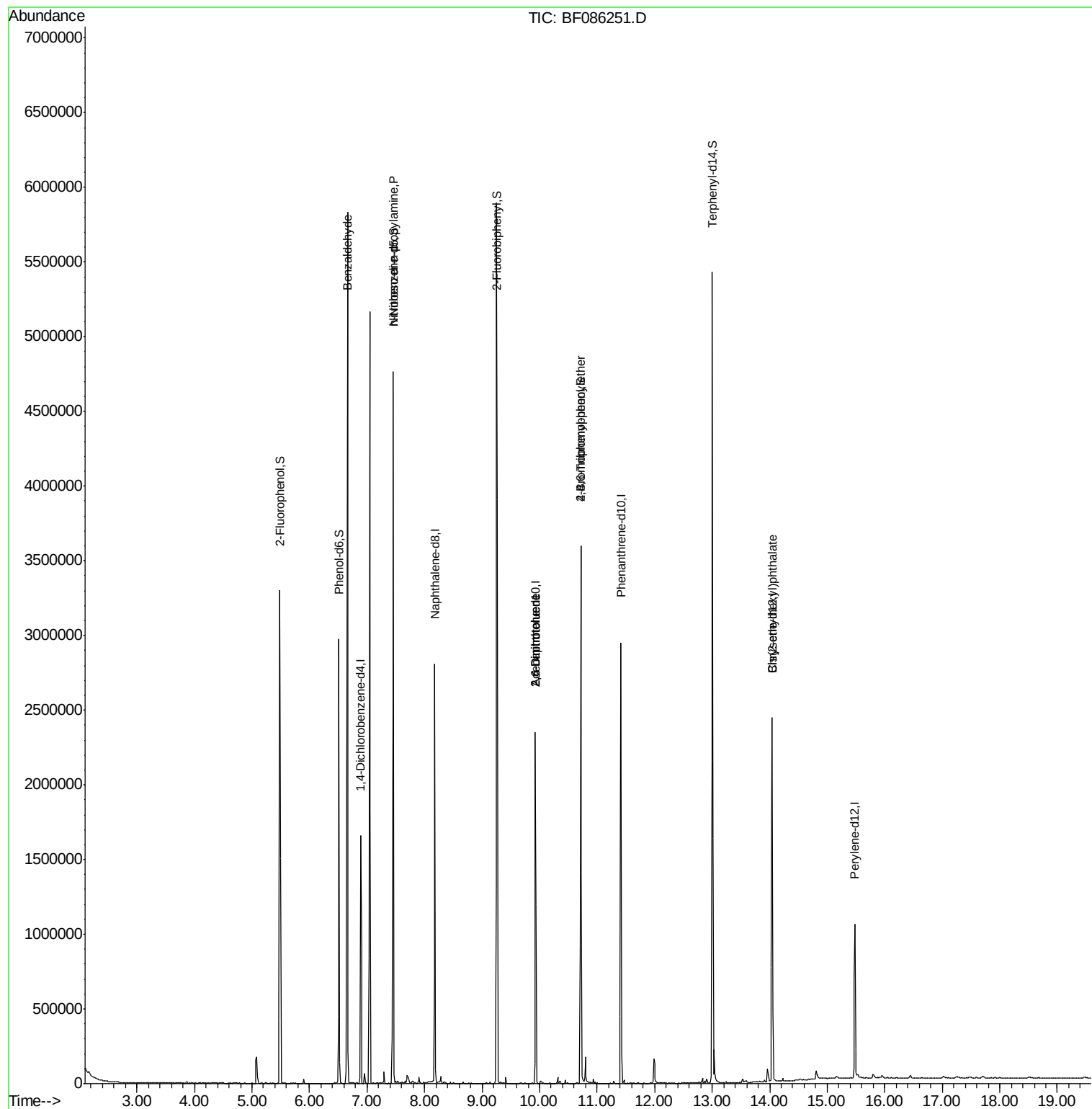
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.66	77	40856	2.58	ng	# 66
19) n-Nitroso-di-n-propylamine	7.46	70	256659	17.96	ng	# 80
22) Acetophenone	7.30	105	22691	Below Cal		# 90
50) 2,6-Dinitrotoluene	9.93	165	65594	7.74	ng	# 32
56) 2,4-Dinitrotoluene	9.93	165	65581	6.04	ng	# 31
57) Fluorene	10.72	166	22844	Below Cal		# 89
66) 4-Bromophenyl-phenylether	10.72	248	29901	3.39	ng	# 1
71) Anthracene	11.44	178	1728	Below Cal		# 66
74) Fluoranthene	12.61	202	1218	Below Cal		# 61
83) Bis(2-ethylhexyl)phthalate	14.04	149	281459	13.18	ng	100

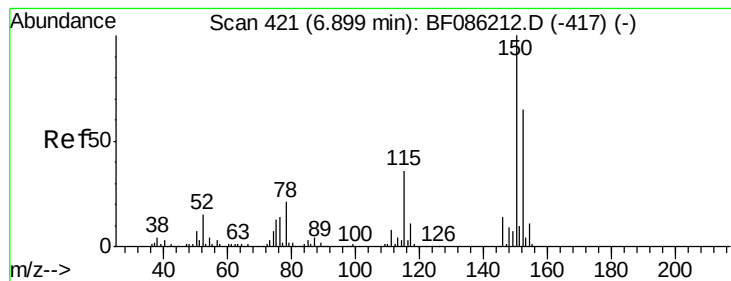
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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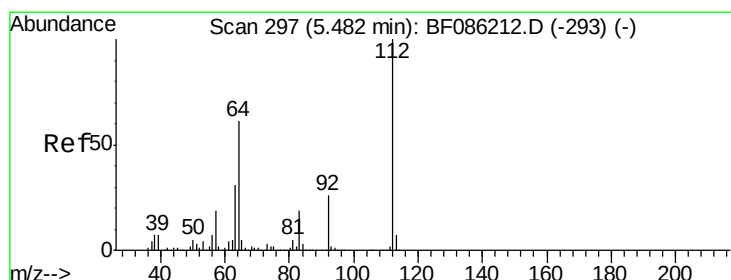
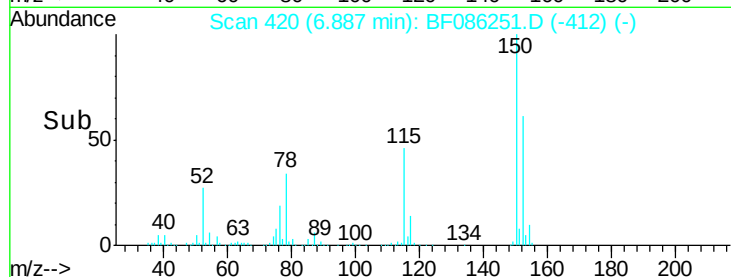
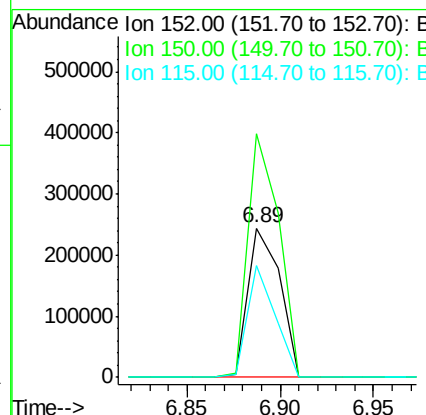
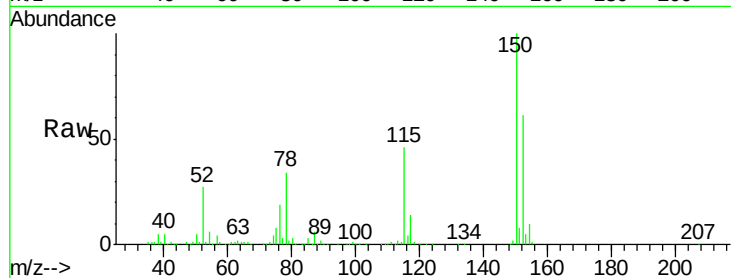




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.89 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: BF086251.D
 Acq: 16 Apr 2016 8:24

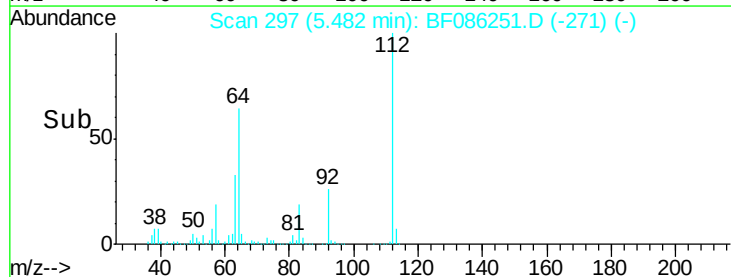
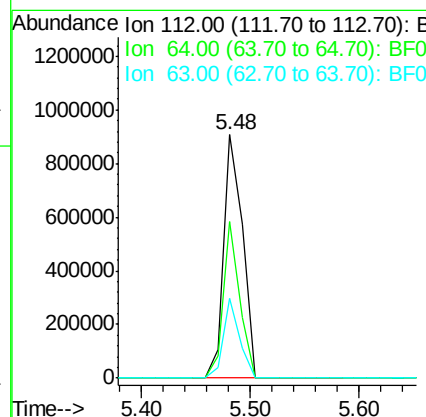
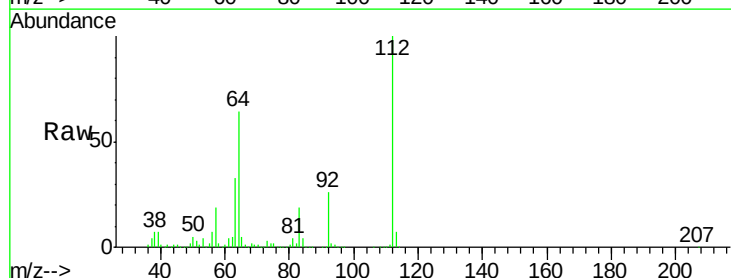
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 BNA_F
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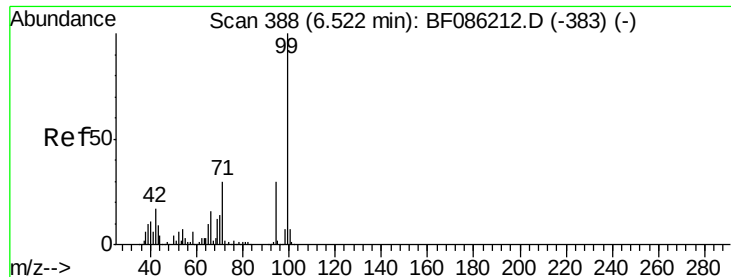
Tgt Ion:152 Resp: 292476
 Ion Ratio Lower Upper
 152 100
 150 163.5 124.1 186.1
 115 74.6 43.9 65.9#



#5
 2-Fluorophenol
 Concen: 61.29 ng
 RT: 5.48 min Scan# 297
 Delta R.T. 0.00 min
 Lab File: BF086251.D
 Acq: 16 Apr 2016 8:24

Tgt Ion:112 Resp: 1094139
 Ion Ratio Lower Upper
 112 100
 64 64.3 48.1 72.1
 63 32.7 25.5 38.3





#7

Phenol-d6

Concen: 39.96 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086251.D

Acq: 16 Apr 2016 8:24

Instrument :

BNA_F

ClientSampleId :

POST-EX-FB1-20160412

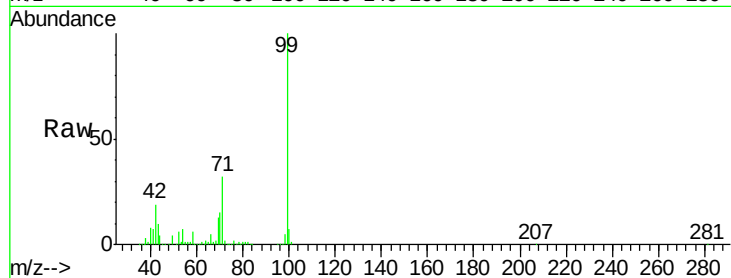
Tgt Ion: 99 Resp: 892303

Ion Ratio Lower Upper

99 100

42 19.2 15.4 23.2

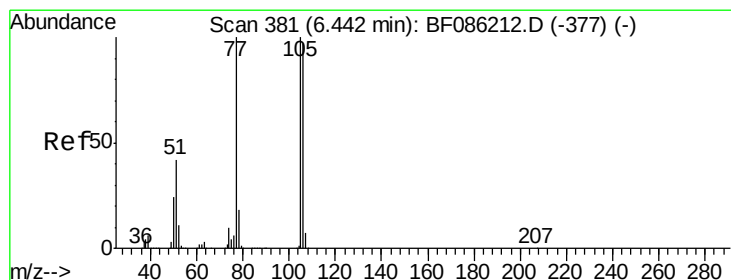
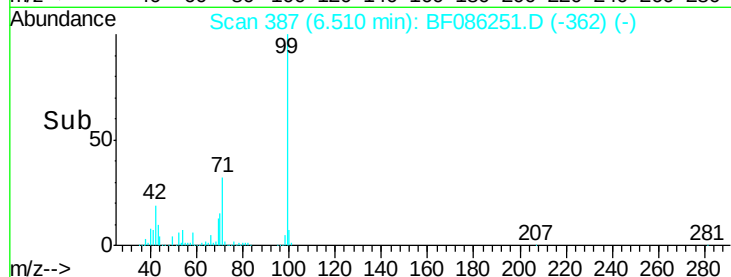
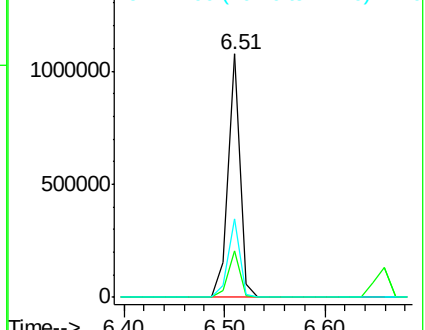
71 32.3 25.6 38.4



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: 2.58 ng

RT: 6.66 min Scan# 400

Delta R.T. 0.22 min

Lab File: BF086251.D

Acq: 16 Apr 2016 8:24

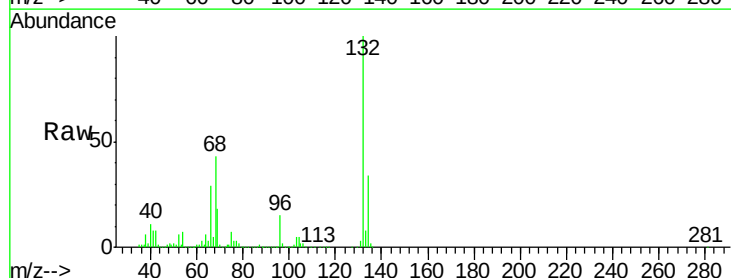
Tgt Ion: 77 Resp: 40856

Ion Ratio Lower Upper

77 100

105 73.5 84.6 124.6#

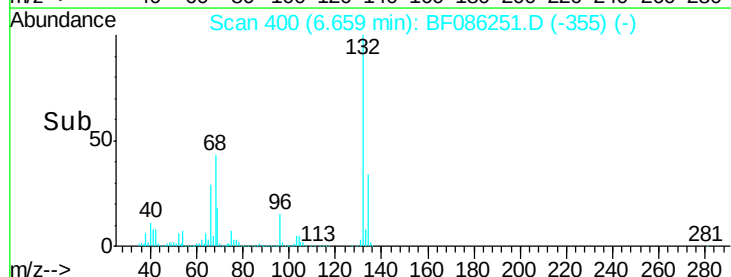
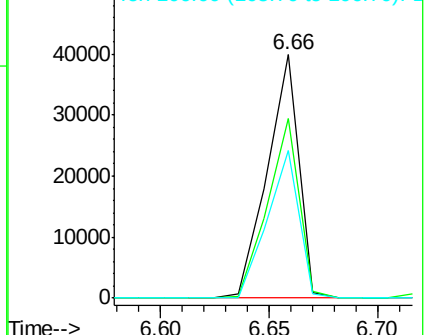
106 60.9 78.6 118.6#

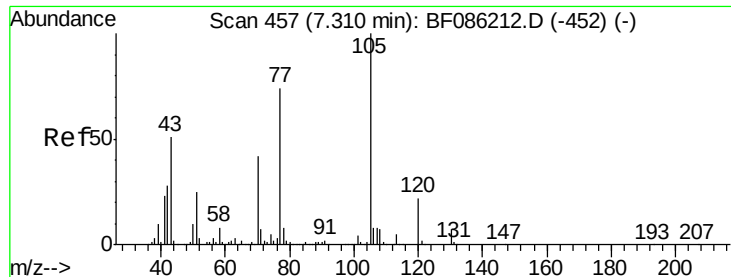


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

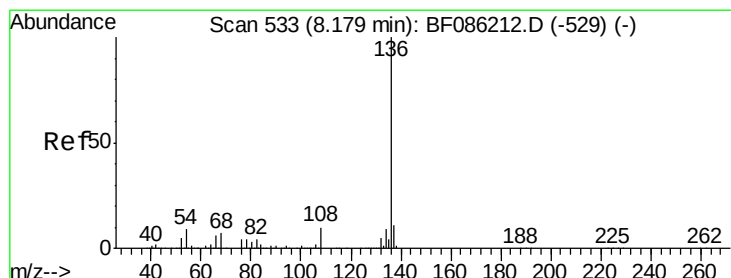
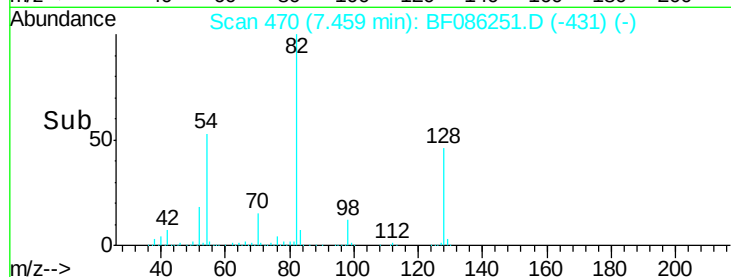
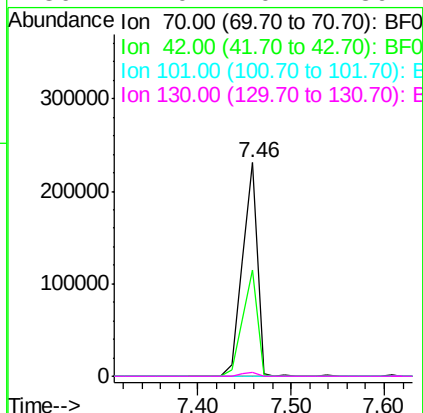
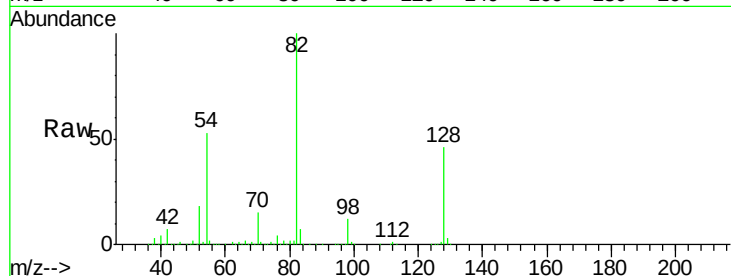




#19
n-Nitroso-di-n-propylamine
Concen: 17.96 ng
RT: 7.46 min Scan# 470
Delta R.T. 0.15 min
Lab File: BF086251.D
Acq: 16 Apr 2016 8:24

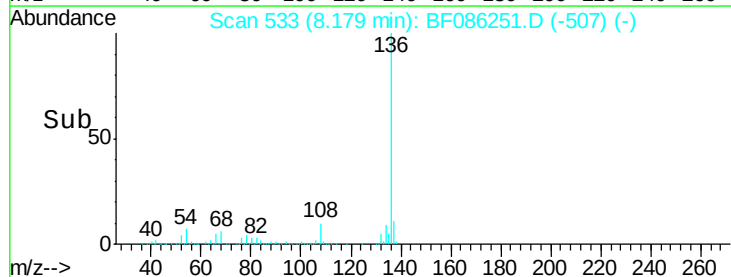
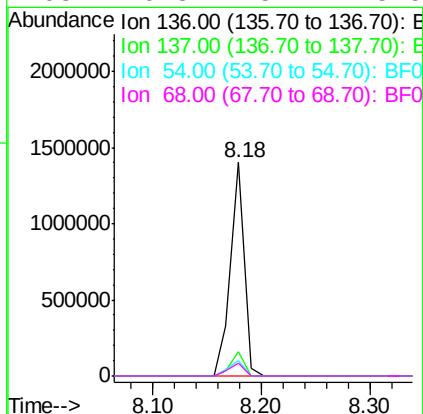
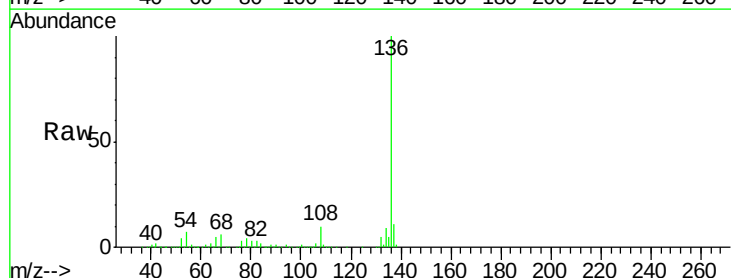
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POST-EX-FB1-20160412

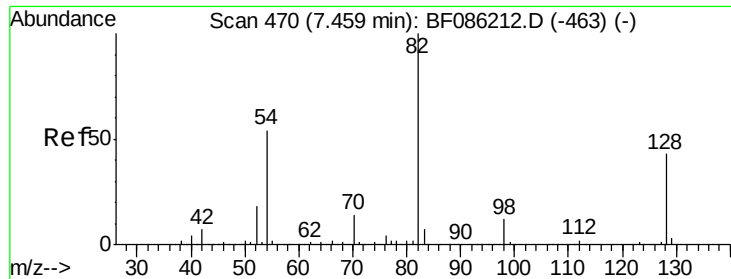
Tgt Ion: 70 Resp: 256659
Ion Ratio Lower Upper
70 100
42 49.5 43.0 64.4
101 0.0 8.1 12.1#
130 2.0 20.1 30.1#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF086251.D
Acq: 16 Apr 2016 8:24

Tgt Ion: 136 Resp: 1223756
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 7.3 7.3 10.9
68 6.3 5.7 8.5

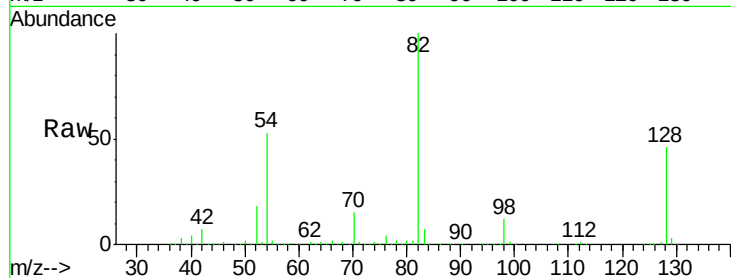




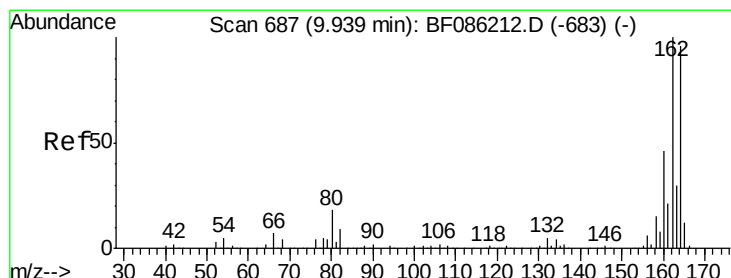
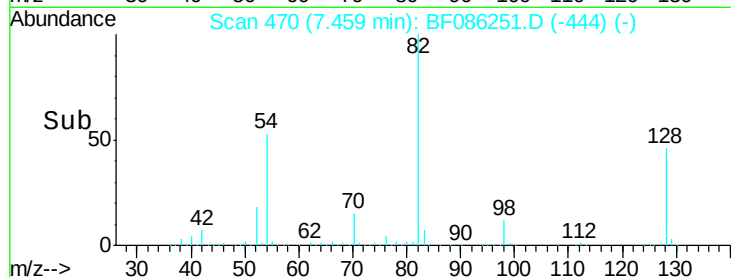
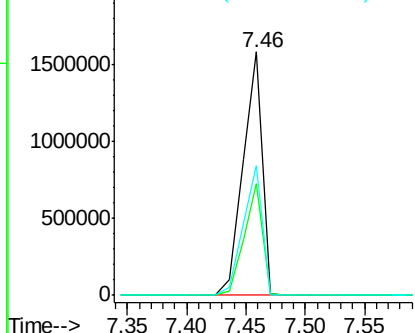
#23
 Nitrobenzene-d5
 Concen: 83.44 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: BF086251.D
 Acq: 16 Apr 2016 8:24

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-FB1-20160412

Tgt Ion: 82 Resp: 1770446
 Ion Ratio Lower Upper
 82 100
 128 45.9 35.4 53.2
 54 53.3 43.4 65.0

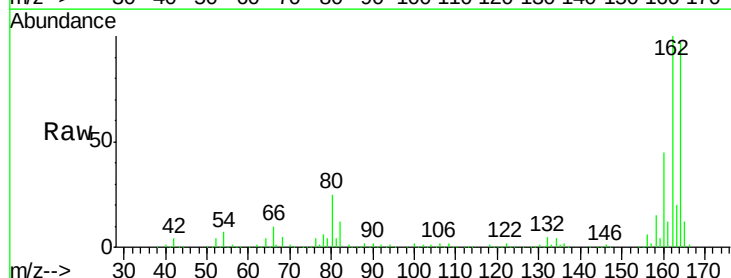


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

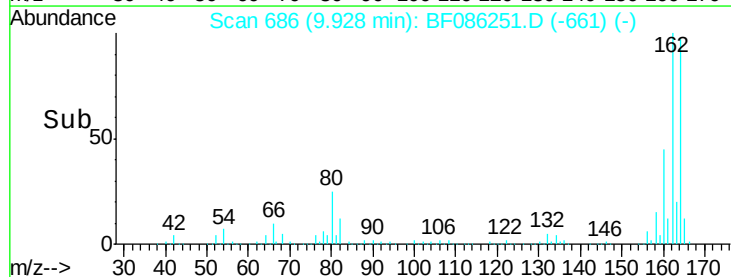
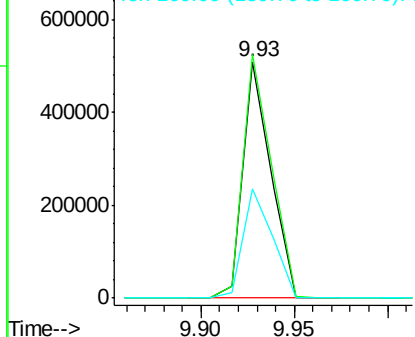


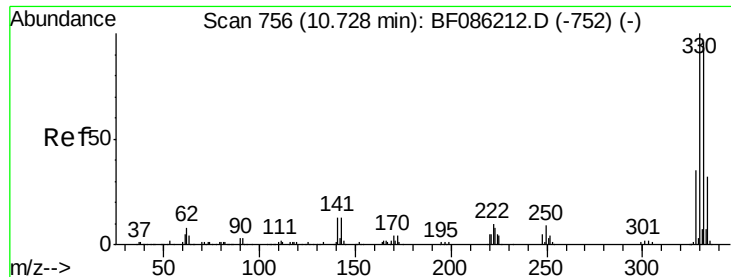
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: BF086251.D
 Acq: 16 Apr 2016 8:24

Tgt Ion: 164 Resp: 526781
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.8 124.2
 160 46.4 38.9 58.3



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

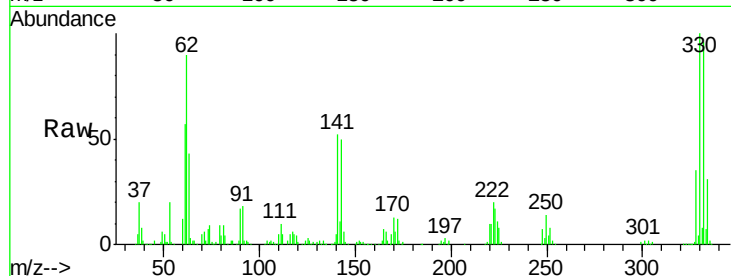




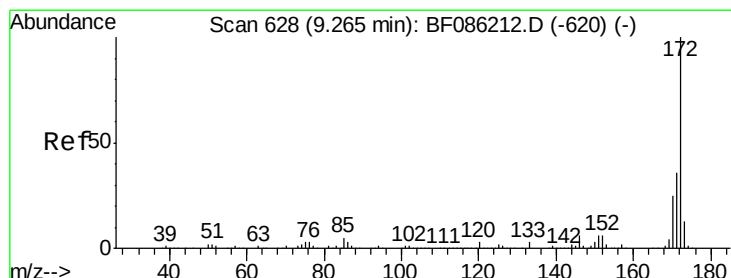
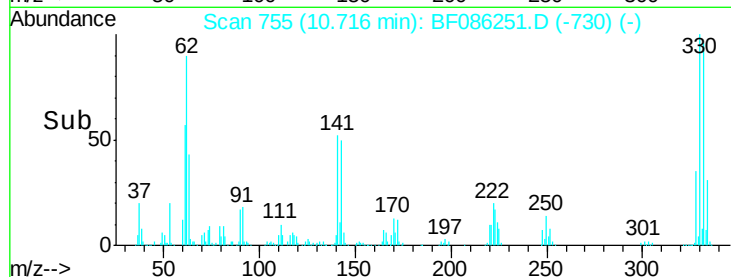
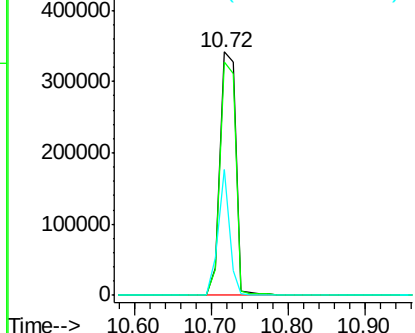
#41
 2,4,6-Tribromophenol
 Concen: 117.90 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BF086251.D
 Acq: 16 Apr 2016 8:24

Instrument :
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 ClientSampleId :
 POST-EX-FB1-20160412

Tgt Ion:330 Resp: 498734
 Ion Ratio Lower Upper
 330 100
 332 95.6 78.7 118.1
 141 37.4 28.6 42.8

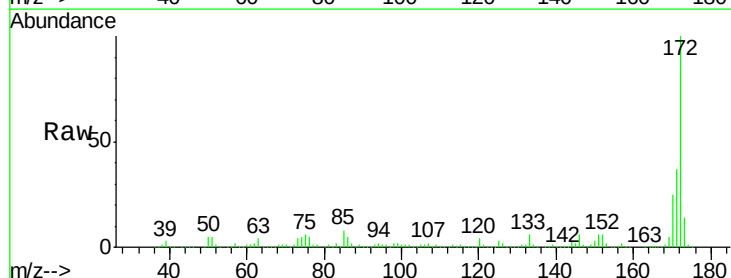


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

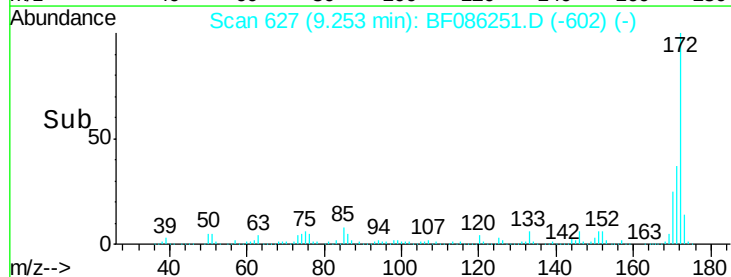
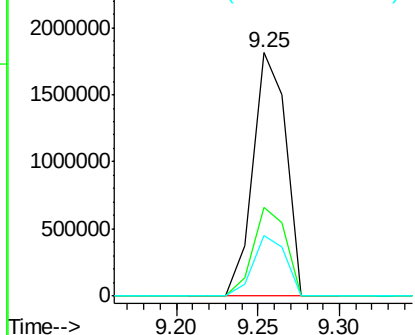


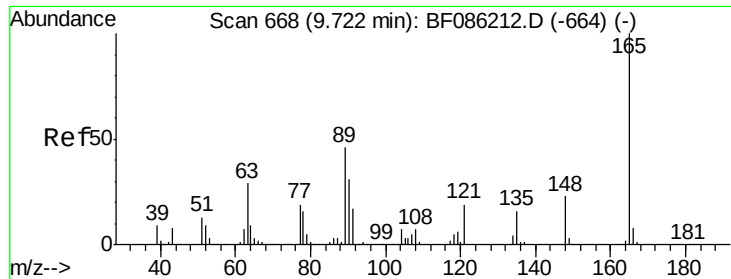
#44
 2-Fluorobiphenyl
 Concen: 88.92 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086251.D
 Acq: 16 Apr 2016 8:24

Tgt Ion:172 Resp: 2538470
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.1 43.7
 170 25.1 19.9 29.9



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

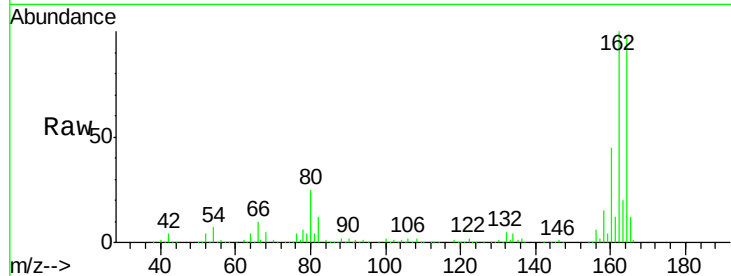




#50
2,6-Dinitrotoluene
Concen: 7.74 ng
RT: 9.93 min Scan# 686
Delta R.T. 0.21 min
Lab File: BF086251.D
Acq: 16 Apr 2016 8:24

Instrument :
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ClientSampleId :
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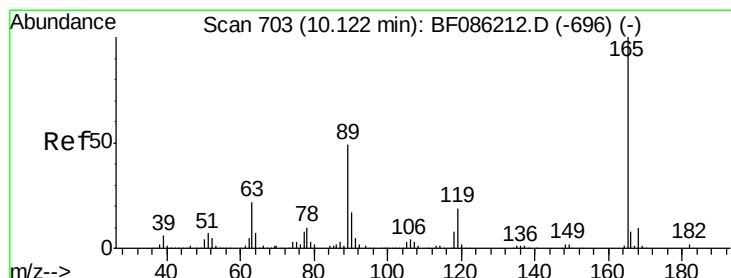
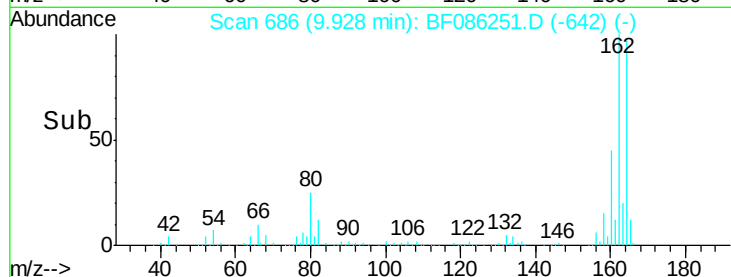
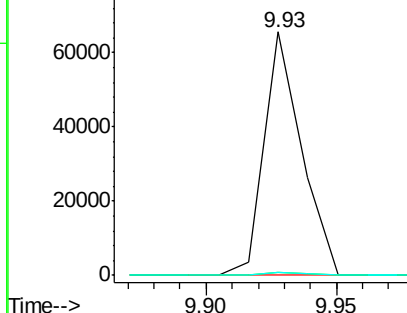
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	35.1	52.7#
89	1.5	39.8	59.6#



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



#56
2,4-Dinitrotoluene
Concen: 6.04 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.19 min
Lab File: BF086251.D
Acq: 16 Apr 2016 8:24

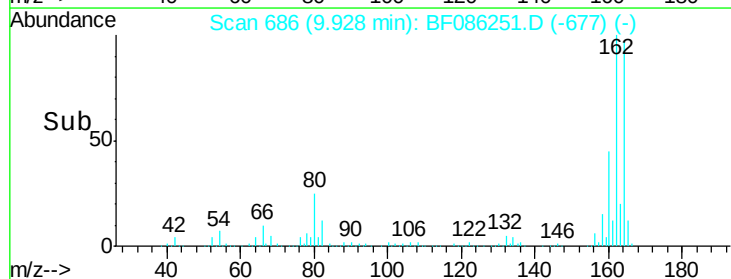
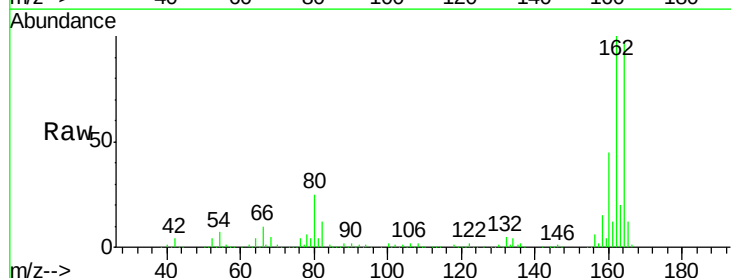
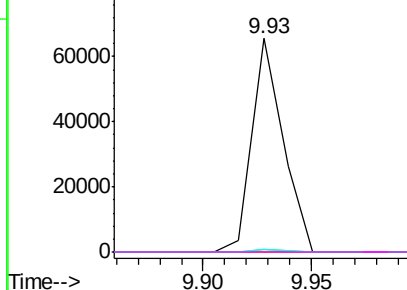
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	26.6	40.0#
89	1.5	49.5	74.3#
182	0.0	1.9	2.9#

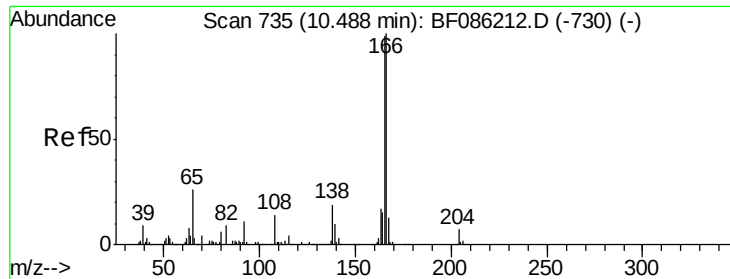
Abundance Ion 165.00 (164.70 to 165.70): E

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

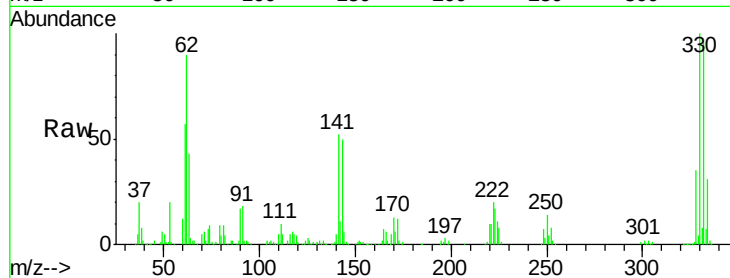




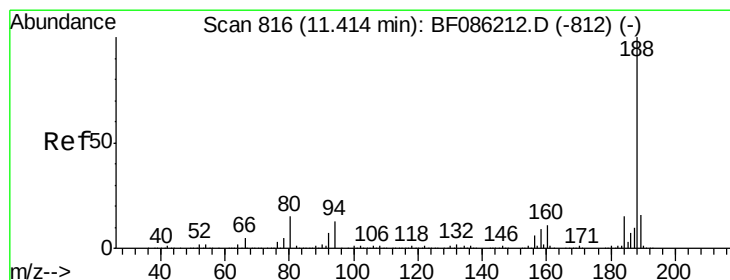
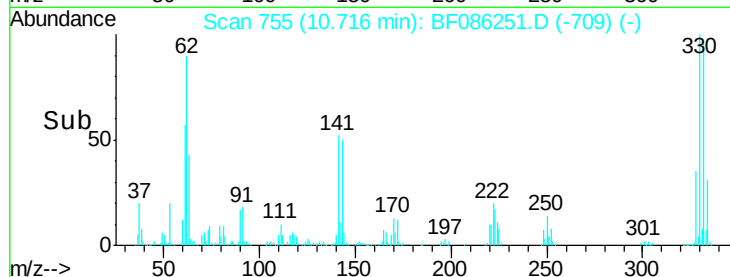
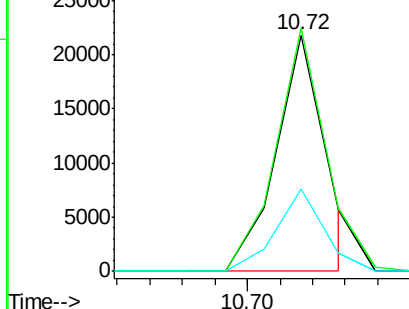
#57
Fluorene
 Concen: Below Cal
 RT: 10.72 min Scan# 755
 Delta R.T. 0.23 min
 Lab File: BF086251.D
 Acq: 16 Apr 2016 8:24

Instrument :
 BNA_F
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 POST-EX-FB1-20160412

Tgt Ion:166 Resp: 22844
 Ion Ratio Lower Upper
 166 100
 165 103.2 78.6 117.8
 167 35.0 10.4 15.6#

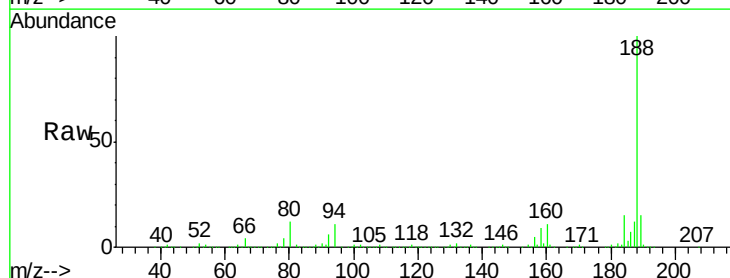


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

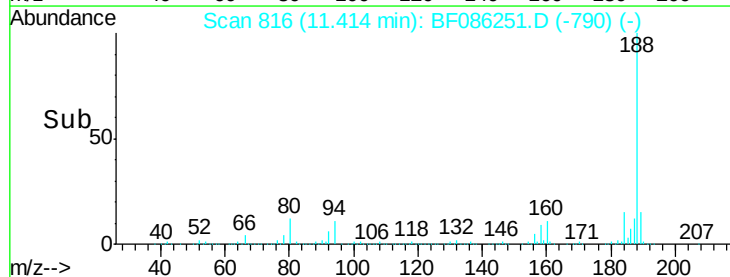
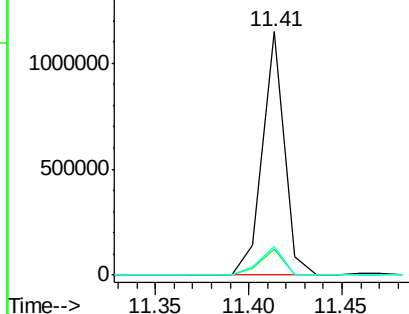


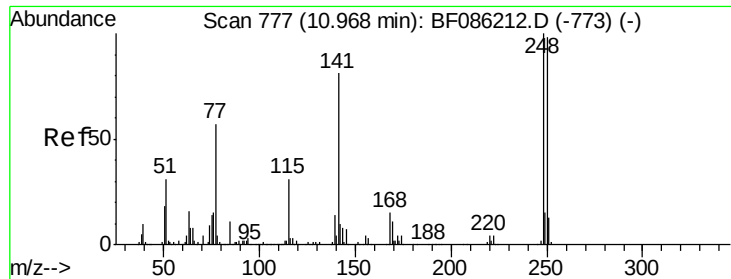
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.00 min
 Lab File: BF086251.D
 Acq: 16 Apr 2016 8:24

Tgt Ion:188 Resp: 946235
 Ion Ratio Lower Upper
 188 100
 94 10.9 9.8 14.8
 80 11.9 10.5 15.7



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

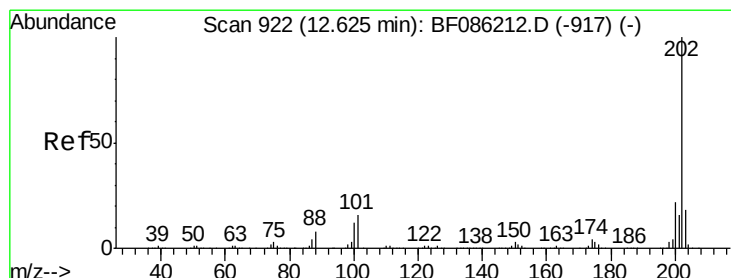
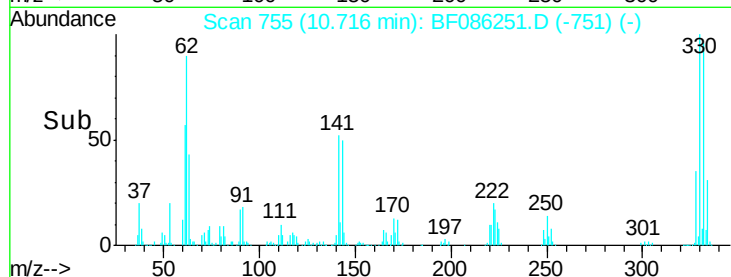
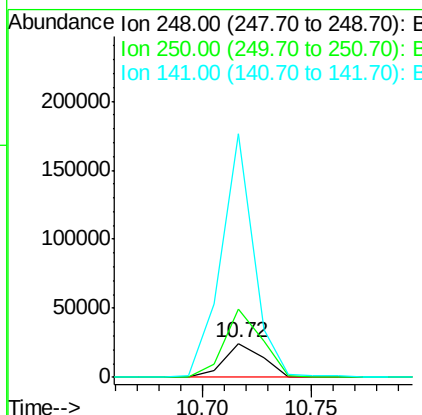
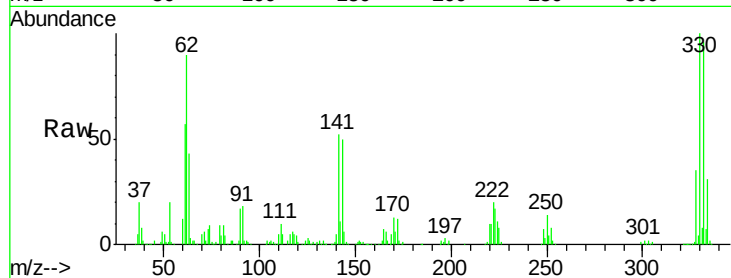




#66
 4-Bromophenyl-phenylether
 Concen: 3.39 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.25 min
 Lab File: BF086251.D
 Acq: 16 Apr 2016 8:24

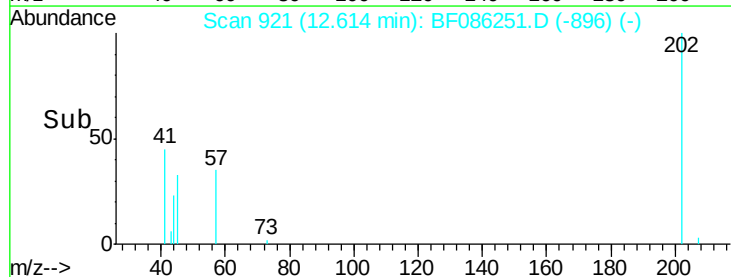
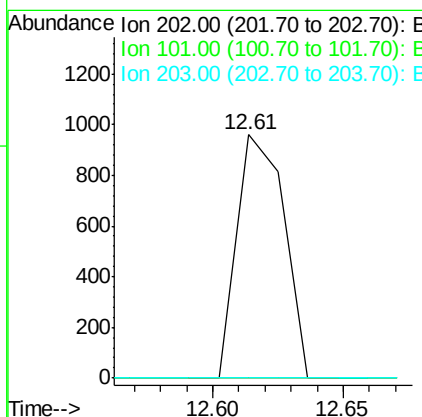
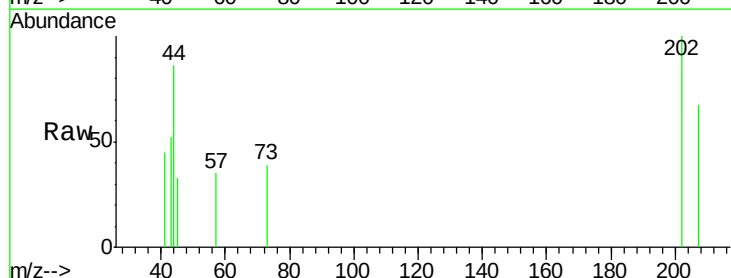
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-FB1-20160412

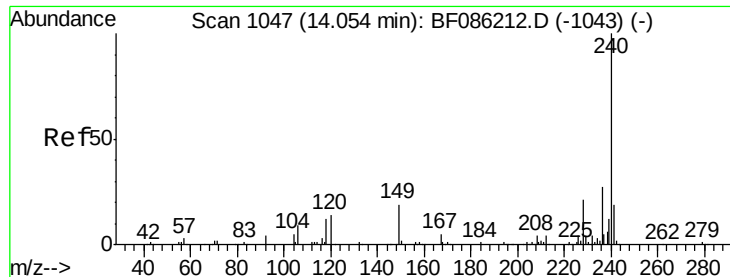
Tgt Ion: 248 Resp: 29901
 Ion Ratio Lower Upper
 248 100
 250 199.5 78.6 118.0#
 141 715.4 57.9 86.9#



#74
 Fluoranthene
 Concen: Below Cal
 RT: 12.61 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: BF086251.D
 Acq: 16 Apr 2016 8:24

Tgt Ion: 202 Resp: 1218
 Ion Ratio Lower Upper
 202 100
 101 0.0 0.0 35.2
 203 0.0 0.0 38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF086251.D

Acq: 16 Apr 2016 8:24

Instrument :

BNA_F

ClientSampleId :

POST-EX-FB1-20160412

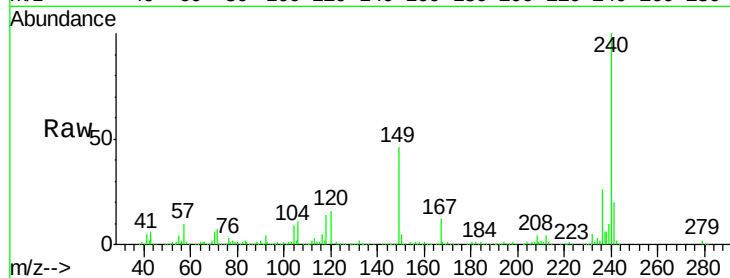
Tgt Ion:240 Resp: 557958

Ion Ratio Lower Upper

240 100

120 16.4 9.3 13.9#

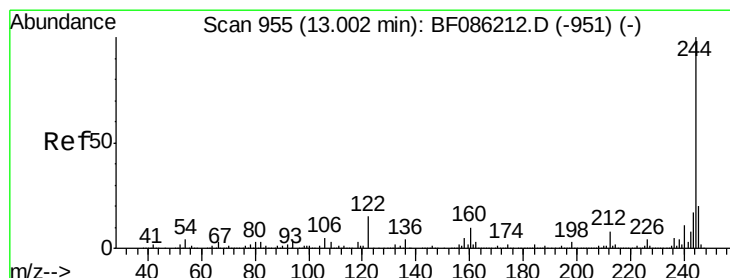
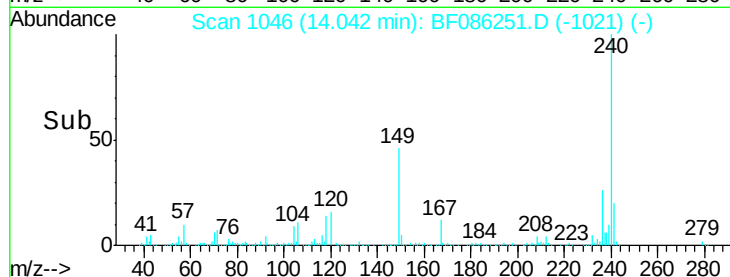
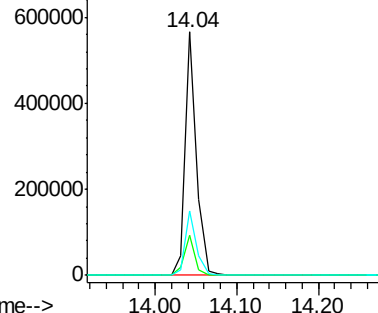
236 26.4 21.1 31.7



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: 89.57 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF086251.D

Acq: 16 Apr 2016 8:24

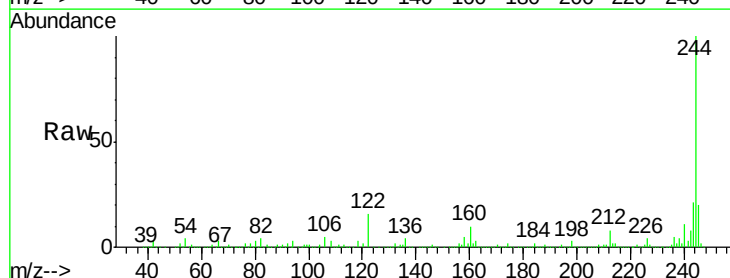
Tgt Ion:244 Resp: 1987449

Ion Ratio Lower Upper

244 100

212 7.9 6.4 9.6

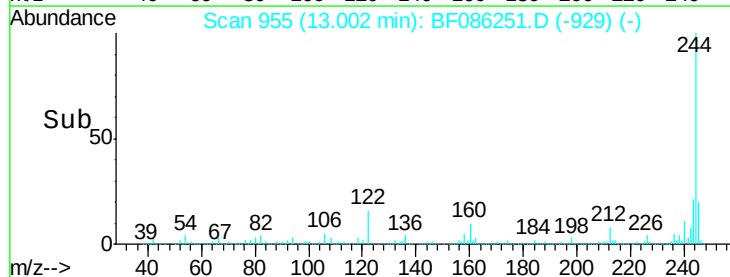
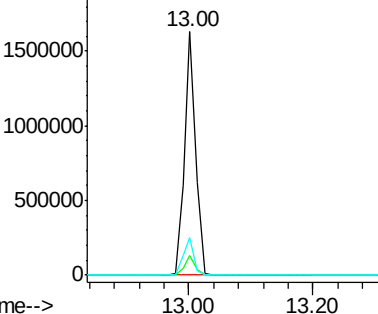
122 15.6 11.7 17.5

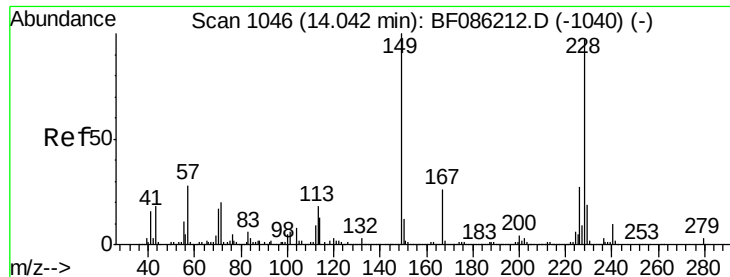


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

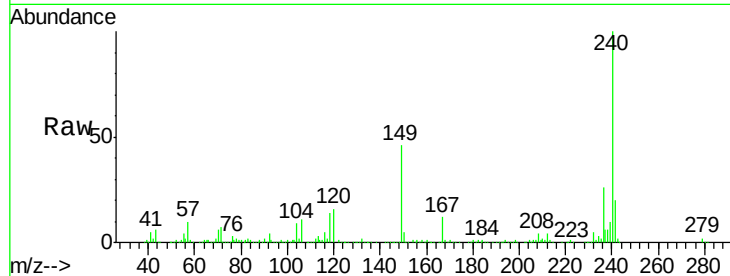




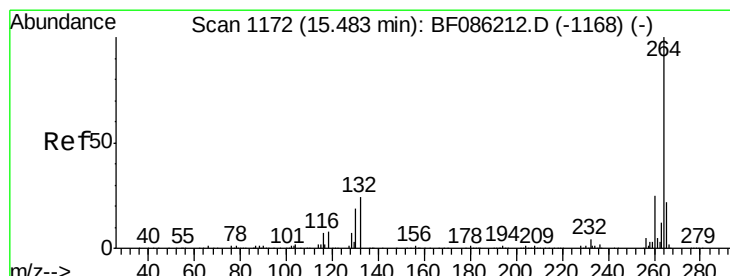
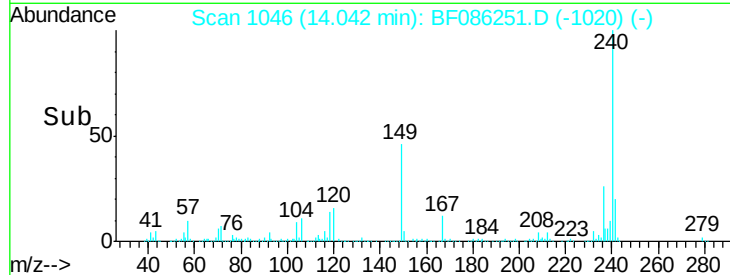
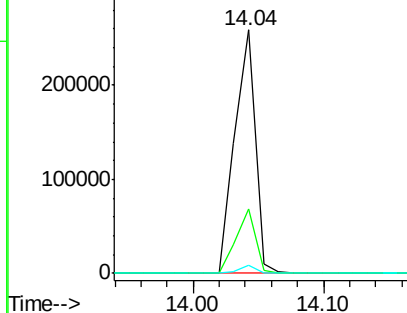
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 13.18 ng
 RT: 14.04 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: BF086251.D
 Acq: 16 Apr 2016 8:24

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-FB1-20160412

Tgt Ion:	149	Resp:	281459
Ion Ratio	Lower	Upper	
149	100		
167	26.3	21.0	31.4
279	3.4	2.4	3.6

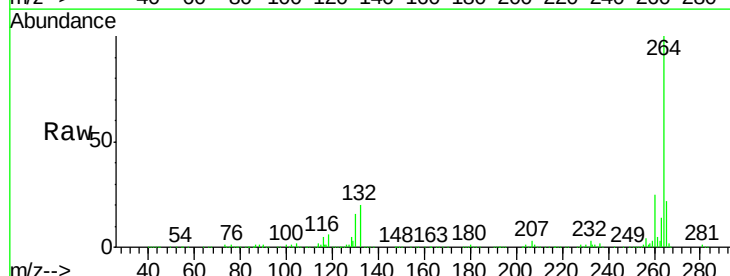


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.48 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: BF086251.D
 Acq: 16 Apr 2016 8:24

Tgt Ion:	264	Resp:	475966
Ion Ratio	Lower	Upper	
264	100		
260	24.9	20.0	30.0
265	21.6	17.4	26.0



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

