

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021216\
 Data File : BF085032.D
 Acq On : 12 Feb 2016 00:58
 Operator : SJ/IZ
 Sample : PB88306BL
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB88306BL

Quant Time: Feb 12 04:16:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 10 13:28:51 2016
 Response via : Initial Calibration

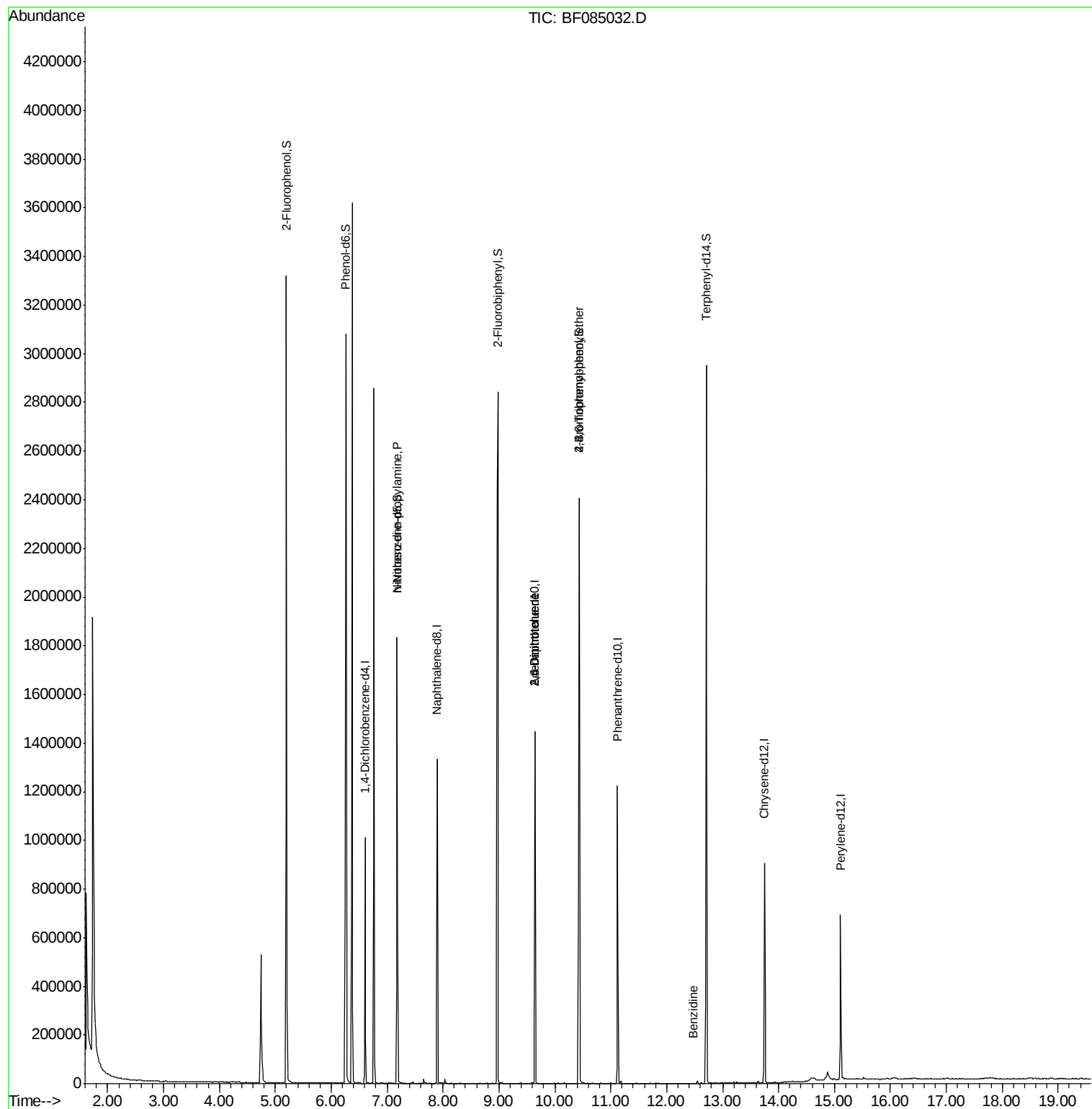
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	135335	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	601654	20.00	ng	-0.02
38) Acenaphthene-d10	9.64	164	279208	20.00	ng	-0.02
63) Phenanthrene-d10	11.12	188	484366	20.00	ng	-0.02
75) Chrysene-d12	13.75	240	332855	20.00	ng	-0.02
86) Perylene-d12	15.11	264	277063	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	923253	106.26	ng	0.00
7) Phenol-d6	6.26	99	1001054	92.94	ng	-0.02
23) Nitrobenzene-d5	7.18	82	658078	61.62	ng	-0.02
41) 2,4,6-Tribromophenol	10.43	330	271029	93.06	ng	-0.02
44) 2-Fluorobiphenyl	8.98	172	1361447	80.73	ng	-0.01
78) Terphenyl-d14	12.71	244	1146152	78.03	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.18	70	87323	12.93	ng	# 71
50) 2,6-Dinitrotoluene	9.64	165	36516	7.86	ng	# 37
56) 2,4-Dinitrotoluene	9.64	165	36516	6.16	ng	# 21
66) 4-Bromophenyl-phenylether	10.43	248	18237	3.41	ng	# 1
76) Benzidine	12.47	184	441	6.92	ng	# 66

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

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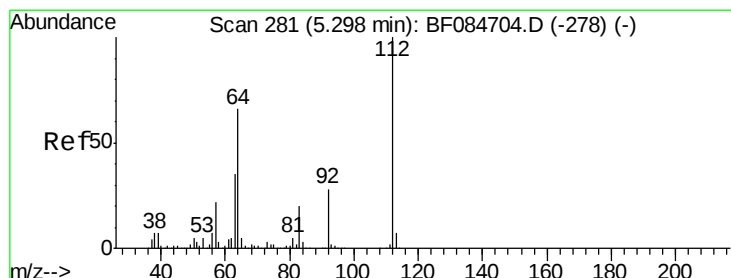
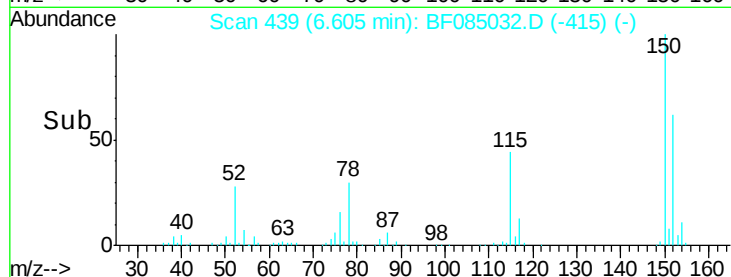
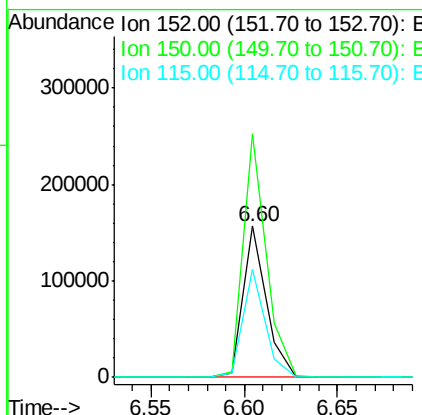
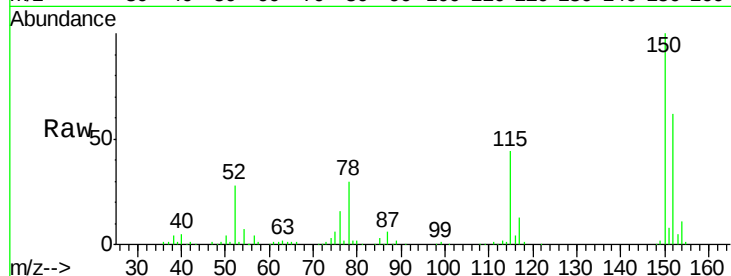


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.60 min Scan# 439
 Delta R.T. -0.02 min
 Lab File: BF085032.D
 Acq: 12 Feb 2016 00:58

Instrument :
 BNA_F
 ClientSampleId :
 PB88306BL

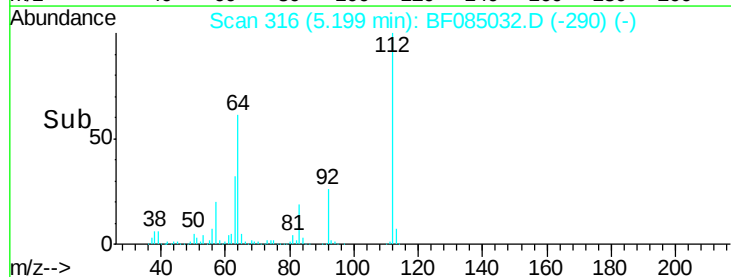
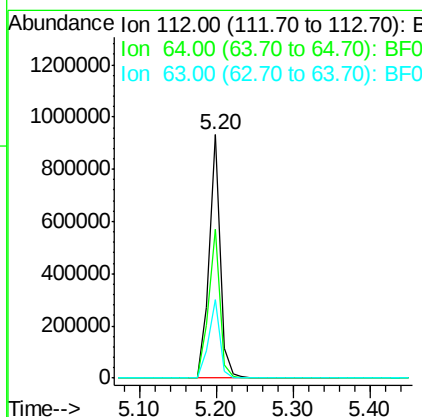
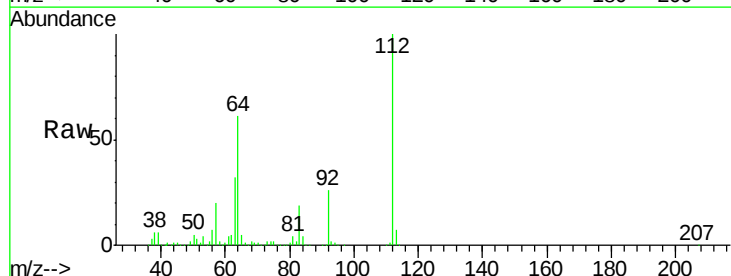
Tgt Ion:152 Resp: 135335
 Ion Ratio Lower Upper
 152 100
 150 161.3 123.0 184.4
 115 71.5 51.4 77.2



#5

2-Fluorophenol
 Concen: 106.26 ng
 RT: 5.20 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: BF085032.D
 Acq: 12 Feb 2016 00:58

Tgt Ion:112 Resp: 923253
 Ion Ratio Lower Upper
 112 100
 64 60.9 36.6 55.0#
 63 32.2 19.4 29.0#





#7

Phenol-d6

Concen: 92.94 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF085032.D

Acq: 12 Feb 2016 00:58

Instrument :

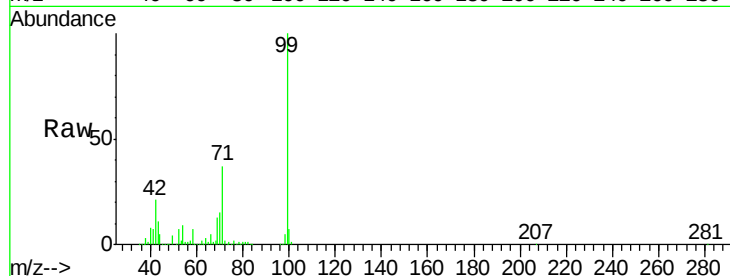
BNA_F

ClientSampled :

PB88306BL

Tgt Ion: 99 Resp: 1001054

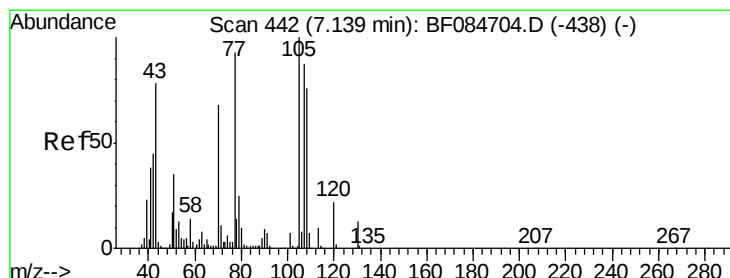
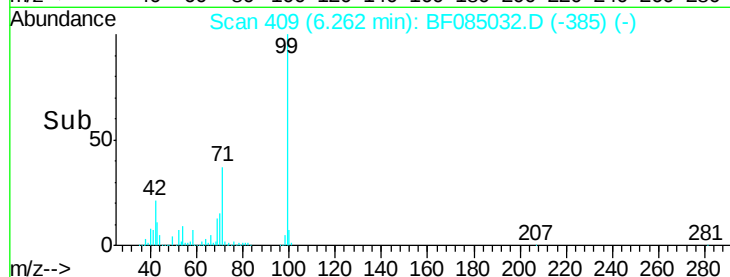
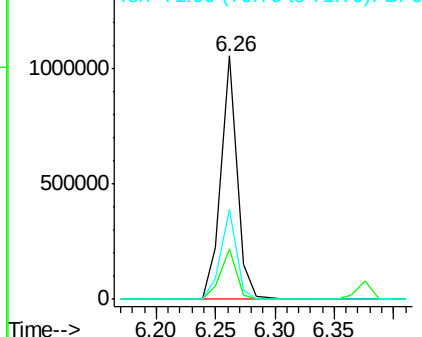
Ion	Ratio	Lower	Upper
99	100		
42	20.5	12.8	19.2#
71	37.2	30.9	46.3



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: 12.93 ng

RT: 7.18 min Scan# 489

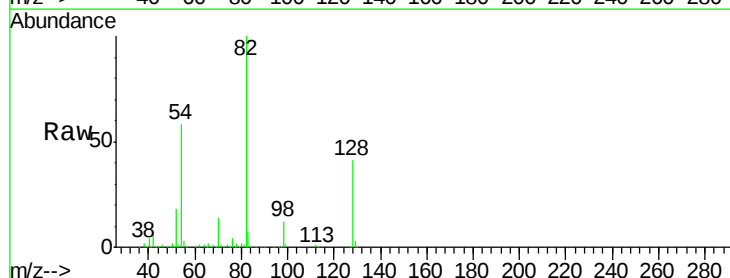
Delta R.T. 0.11 min

Lab File: BF085032.D

Acq: 12 Feb 2016 00:58

Tgt Ion: 70 Resp: 87323

Ion	Ratio	Lower	Upper
70	100		
42	49.9	33.3	49.9
101	0.0	9.3	13.9#
130	1.8	23.4	35.0#

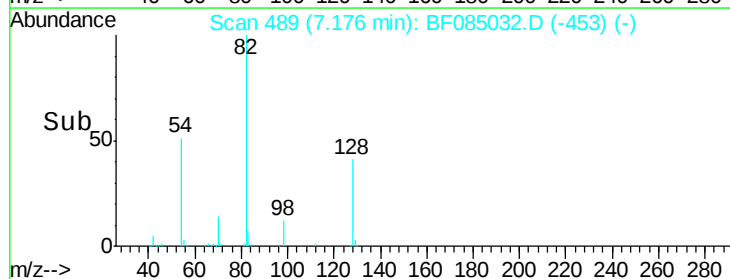
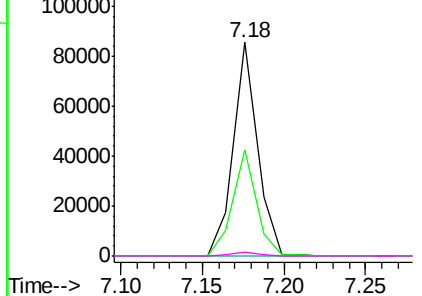


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

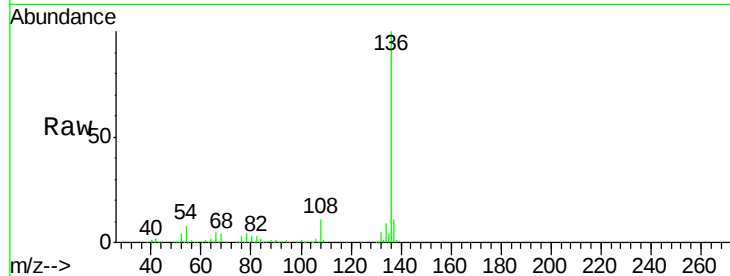




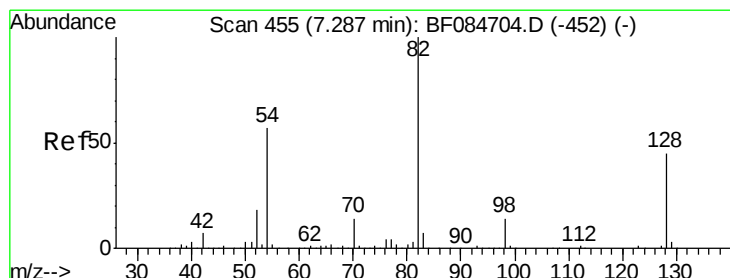
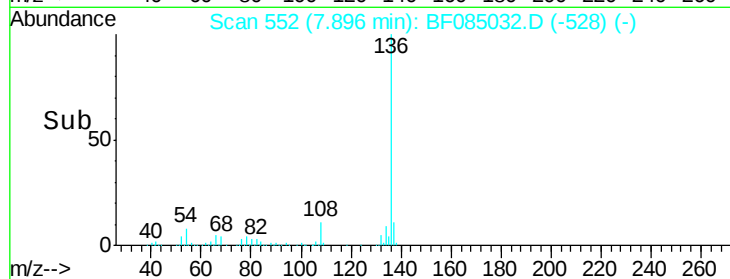
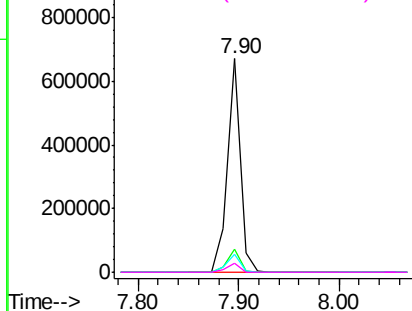
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF085032.D
Acq: 12 Feb 2016 00:58

Instrument :
BNA_F
ClientSampleId :
PB88306BL

Tgt Ion:	136	Resp:	601654
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	8.1	5.8	8.8
68	4.4	4.2	6.2

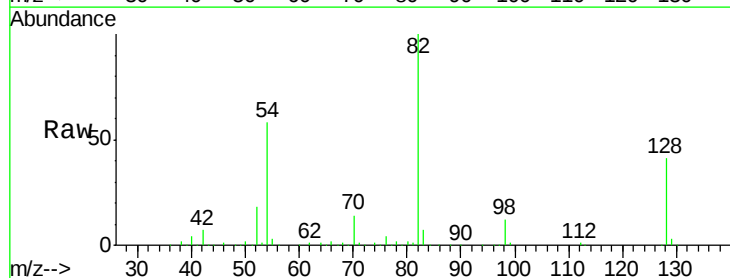


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

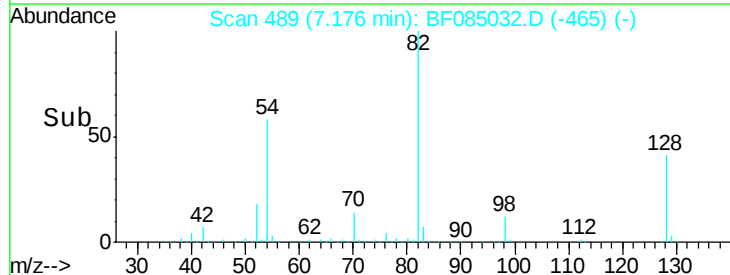
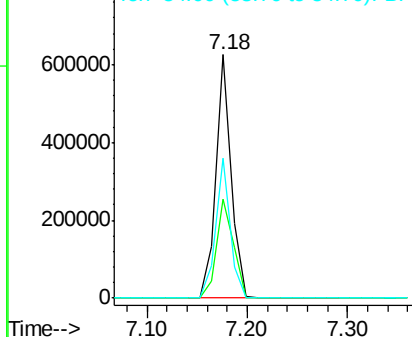


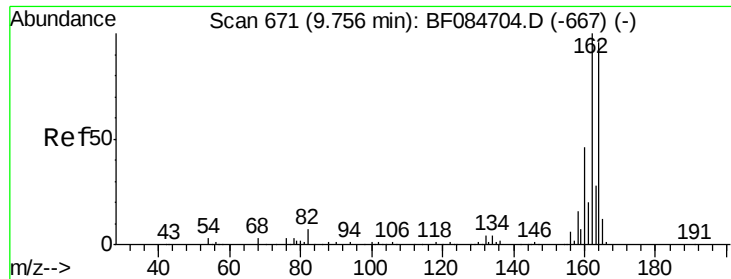
#23
Nitrobenzene-d5
Concen: 61.62 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.02 min
Lab File: BF085032.D
Acq: 12 Feb 2016 00:58

Tgt Ion:	82	Resp:	658078
Ion	Ratio	Lower	Upper
82	100		
128	40.5	34.6	51.8
54	57.5	38.4	57.6



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: 9.64 min Scan# 705

Delta R.T. -0.02 min

Lab File: BF085032.D

Acq: 12 Feb 2016 00:58

Instrument :

BNA_F

ClientSampleId :

PB88306BL

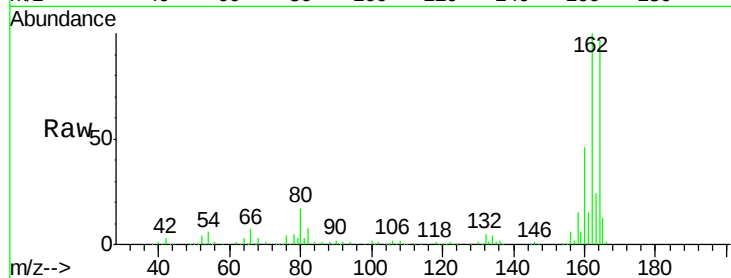
Tgt Ion:164 Resp: 279208

Ion Ratio Lower Upper

164 100

162 103.1 85.1 127.7

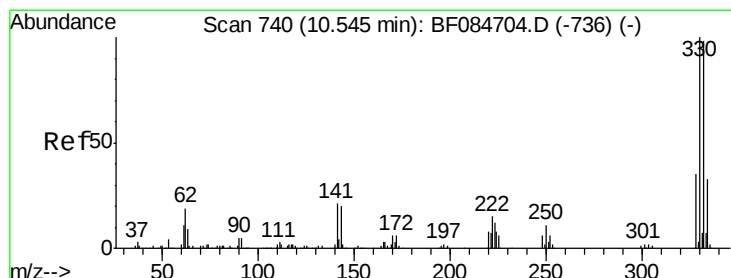
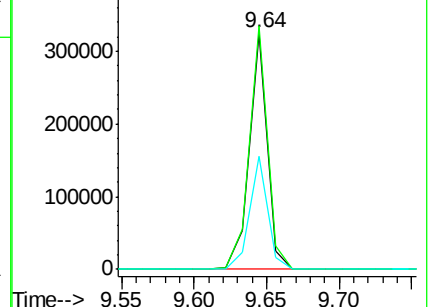
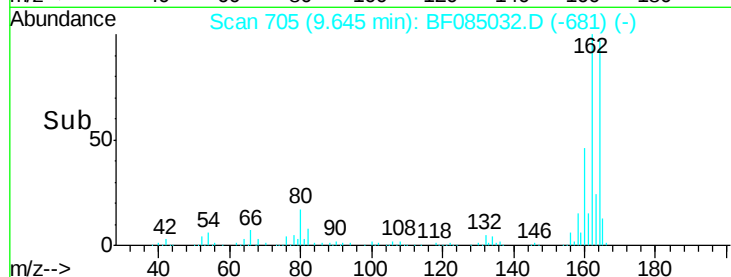
160 47.7 37.5 56.3



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: 93.06 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.02 min

Lab File: BF085032.D

Acq: 12 Feb 2016 00:58

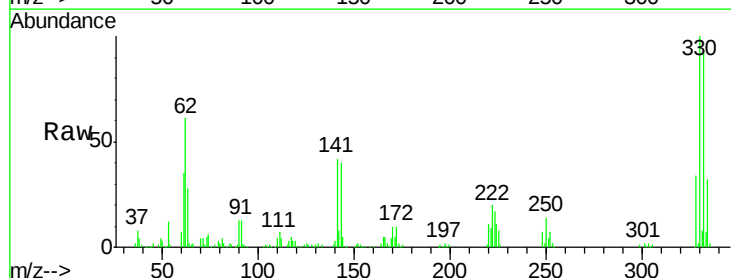
Tgt Ion:330 Resp: 271029

Ion Ratio Lower Upper

330 100

332 94.5 76.6 114.8

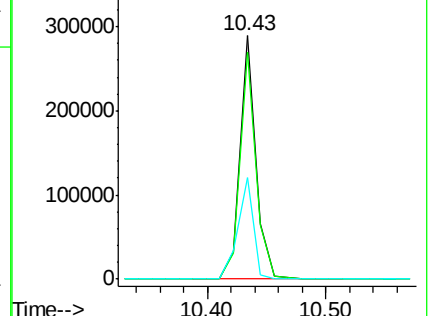
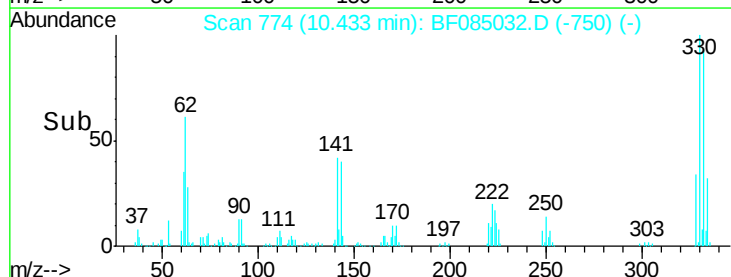
141 41.0 27.8 41.6

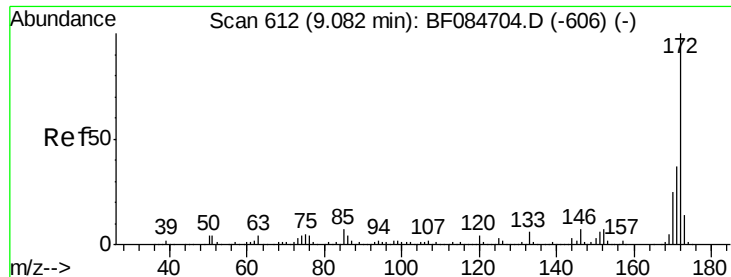


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

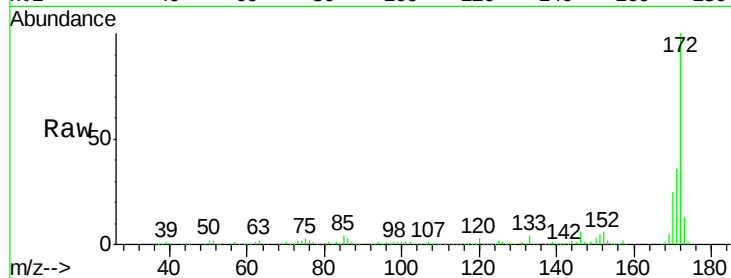




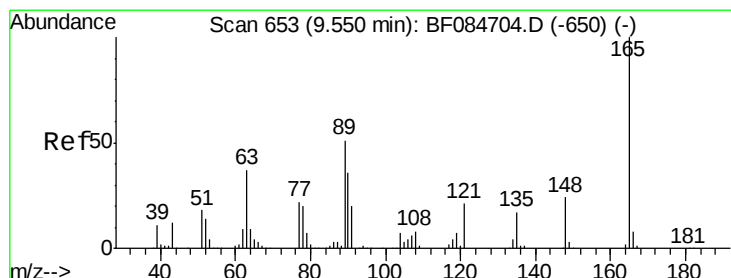
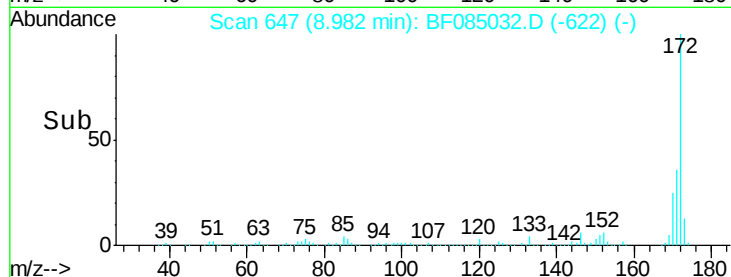
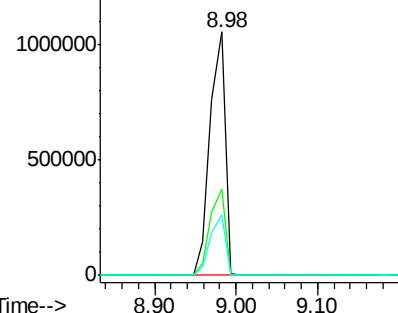
#44
 2-Fluorobiphenyl
 Concen: 80.73 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.01 min
 Lab File: BF085032.D
 Acq: 12 Feb 2016 00:58

Instrument :
 BNA_F
 ClientSampleId :
 PB88306BL

Tgt Ion:172 Resp: 1361447
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.9 43.3
 170 24.6 18.6 27.8

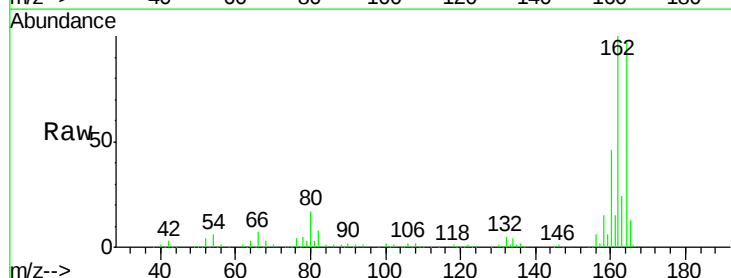


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

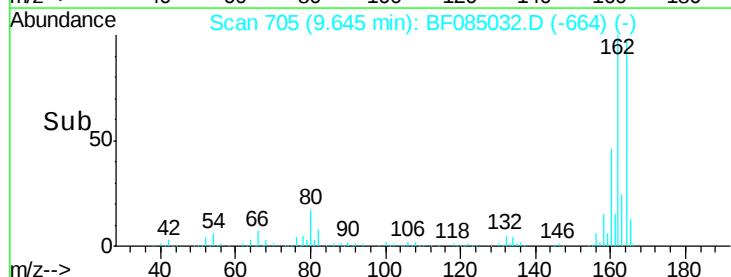
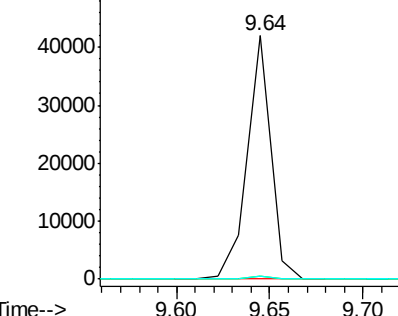


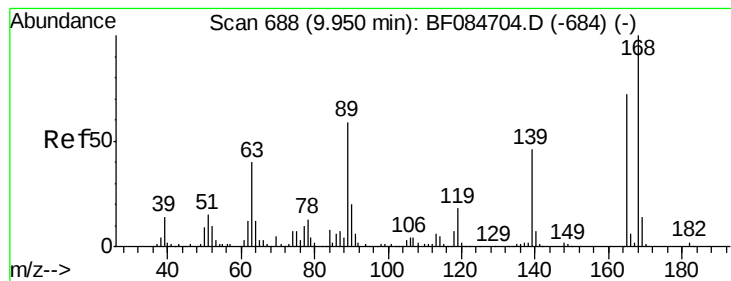
#50
 2,6-Dinitrotoluene
 Concen: 7.86 ng
 RT: 9.64 min Scan# 705
 Delta R.T. 0.17 min
 Lab File: BF085032.D
 Acq: 12 Feb 2016 00:58

Tgt Ion:165 Resp: 36516
 Ion Ratio Lower Upper
 165 100
 63 1.2 28.8 43.2#
 89 1.4 35.1 52.7#



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: 6.16 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.23 min

Lab File: BF085032.D

Acq: 12 Feb 2016 00:58

Instrument :

BNA_F

ClientSampleId :

PB88306BL

Tgt Ion:165 Resp: 36516

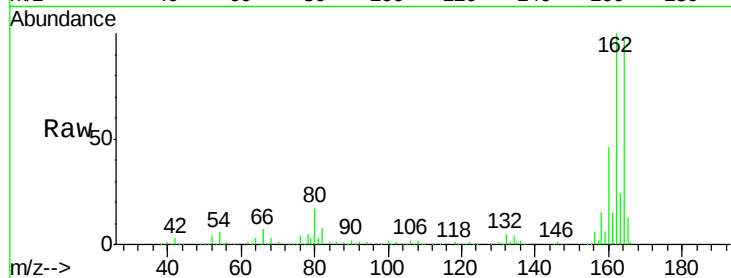
Ion Ratio Lower Upper

165 100

63 1.2 36.7 55.1#

89 1.4 61.9 92.9#

182 0.0 2.0 3.0#

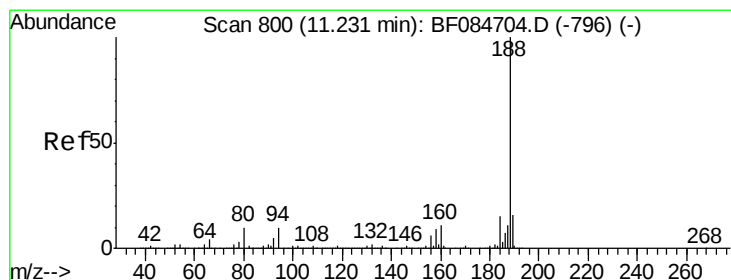
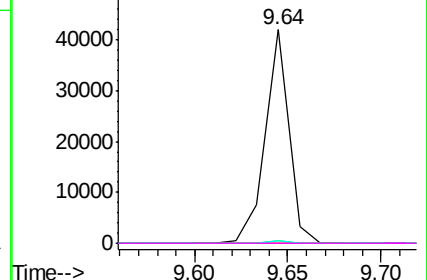
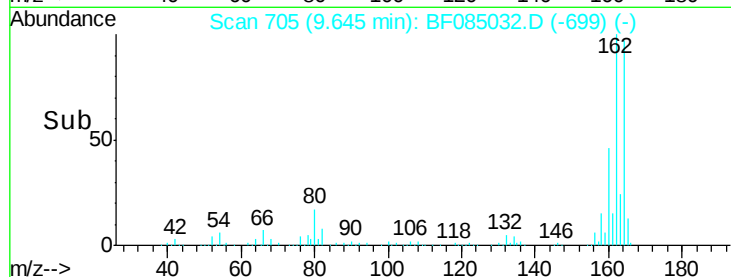


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.12 min Scan# 834

Delta R.T. -0.02 min

Lab File: BF085032.D

Acq: 12 Feb 2016 00:58

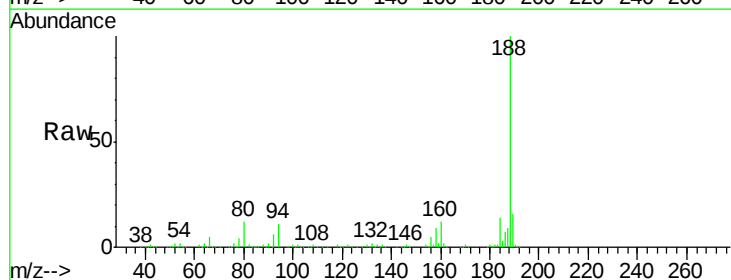
Tgt Ion:188 Resp: 484366

Ion Ratio Lower Upper

188 100

94 10.7 9.0 13.4

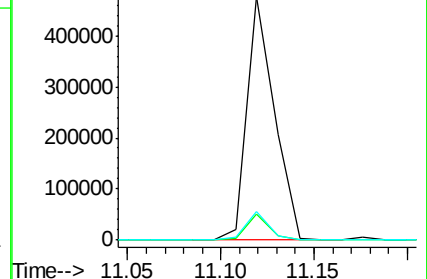
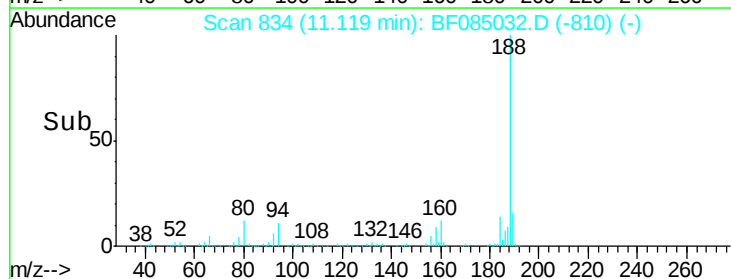
80 11.9 9.6 14.4

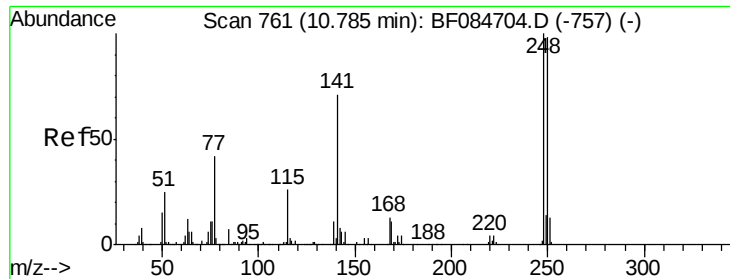


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

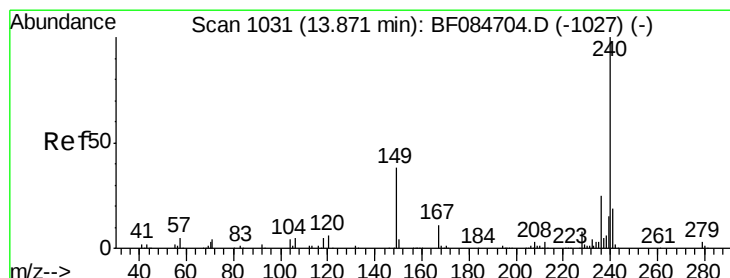
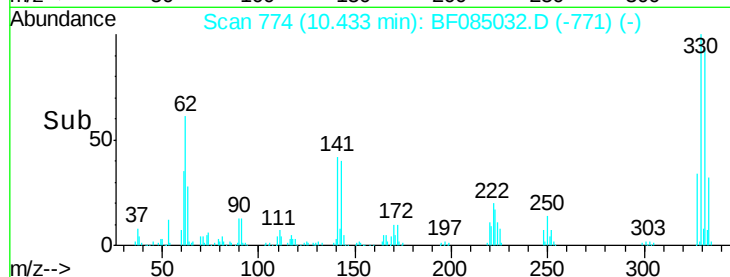
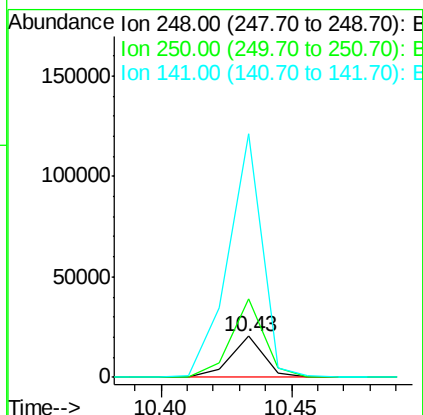
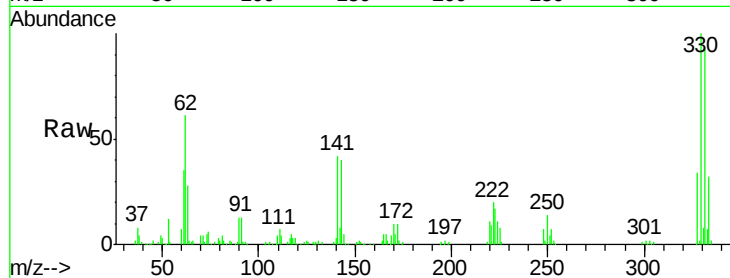




#66
4-Bromophenyl-phenylether
Concen: 3.41 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.26 min
Lab File: BF085032.D
Acq: 12 Feb 2016 00:58

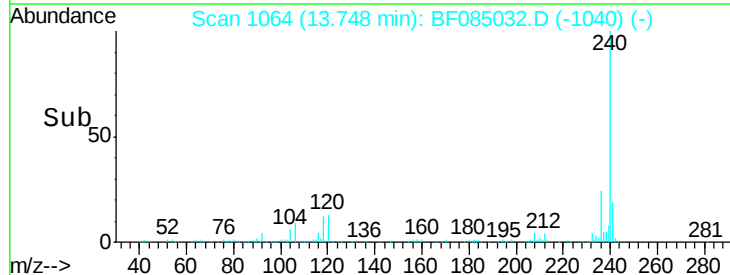
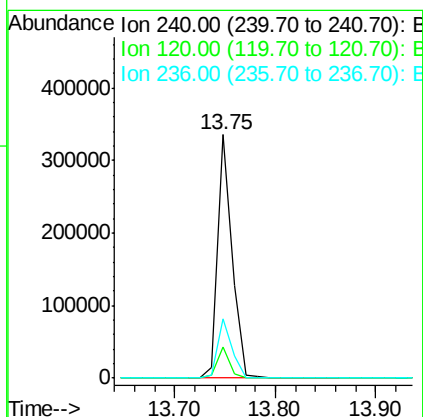
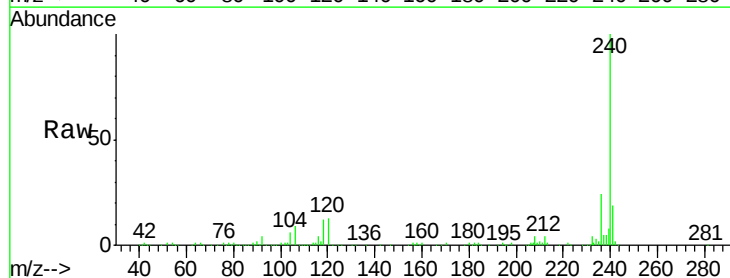
Instrument :
BNA_F
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PB88306BL

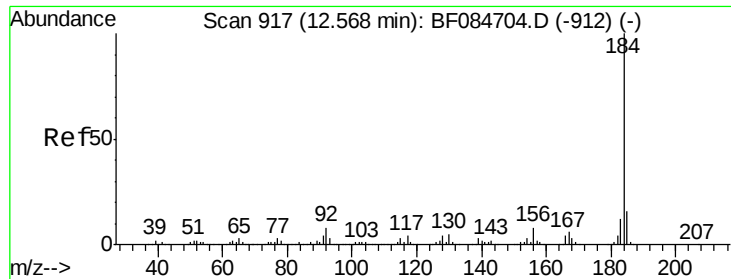
Tgt Ion:248 Resp: 18237
Ion Ratio Lower Upper
248 100
250 190.1 78.4 117.6#
141 589.6 44.0 66.0#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.02 min
Lab File: BF085032.D
Acq: 12 Feb 2016 00:58

Tgt Ion:240 Resp: 332855
Ion Ratio Lower Upper
240 100
120 12.7 9.5 14.3
236 24.5 20.6 31.0





#76

Benzidine

Concen: 6.92 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF085032.D

Acq: 12 Feb 2016 00:58

Instrument :

BNA_F

ClientSampleId :

PB88306BL

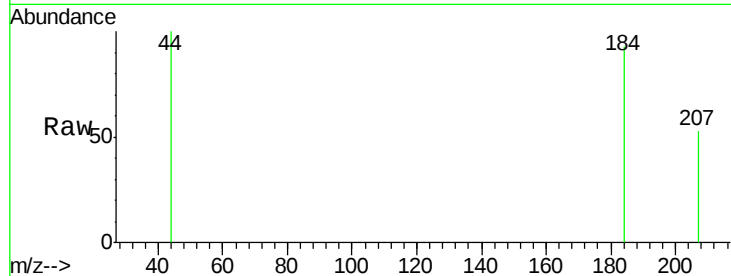
Tgt Ion:184 Resp: 441

Ion Ratio Lower Upper

184 100

185 0.0 12.2 18.2#

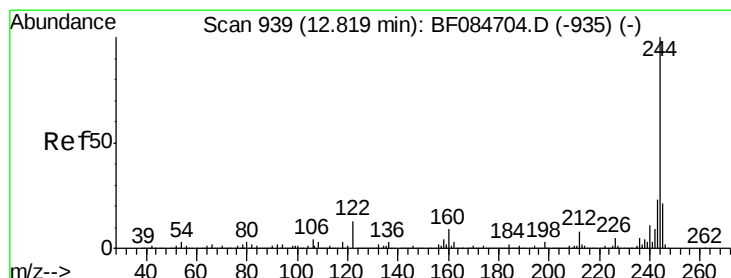
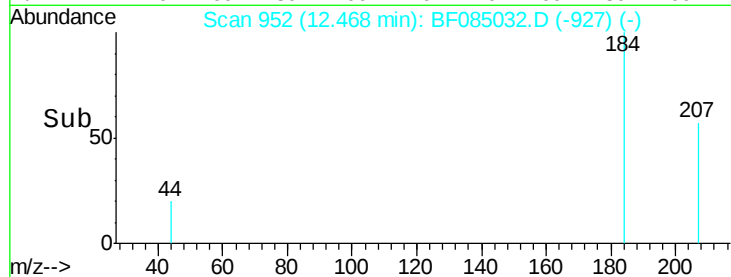
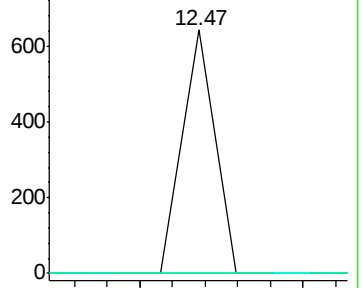
183 0.0 9.8 14.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 78.03 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.02 min

Lab File: BF085032.D

Acq: 12 Feb 2016 00:58

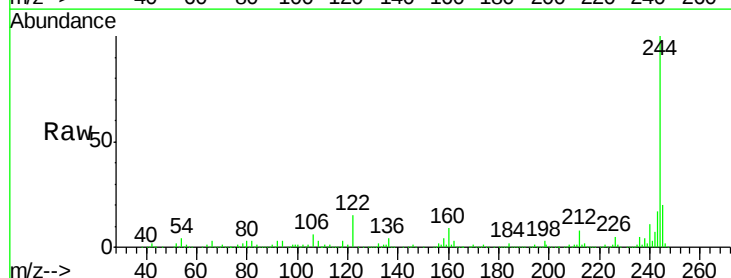
Tgt Ion:244 Resp: 1146152

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

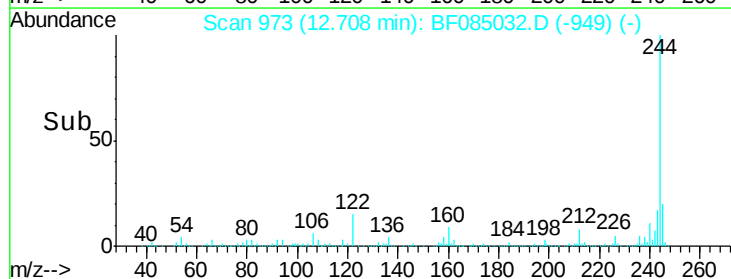
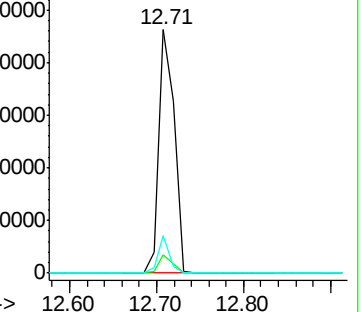
122 15.2 7.4 11.0#

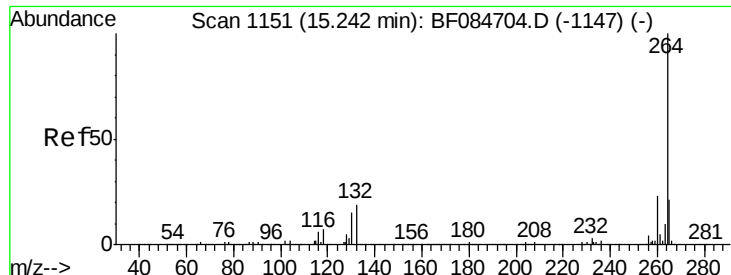


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

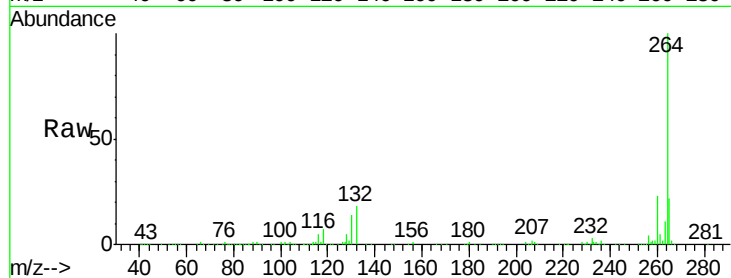




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF085032.D
Acq: 12 Feb 2016 00:58

Instrument :
BNA_F
ClientSampleId :
PB88306BL

Tgt Ion: 264 Resp: 277063
Ion Ratio Lower Upper
264 100
260 23.4 19.4 29.2
265 21.7 17.8 26.6



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

