

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087032.D
 Acq On : 14 May 2016 21:08
 Operator : UM/SJ
 Sample : PB90536BL
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90536BL

Quant Time: May 16 04:46:22 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

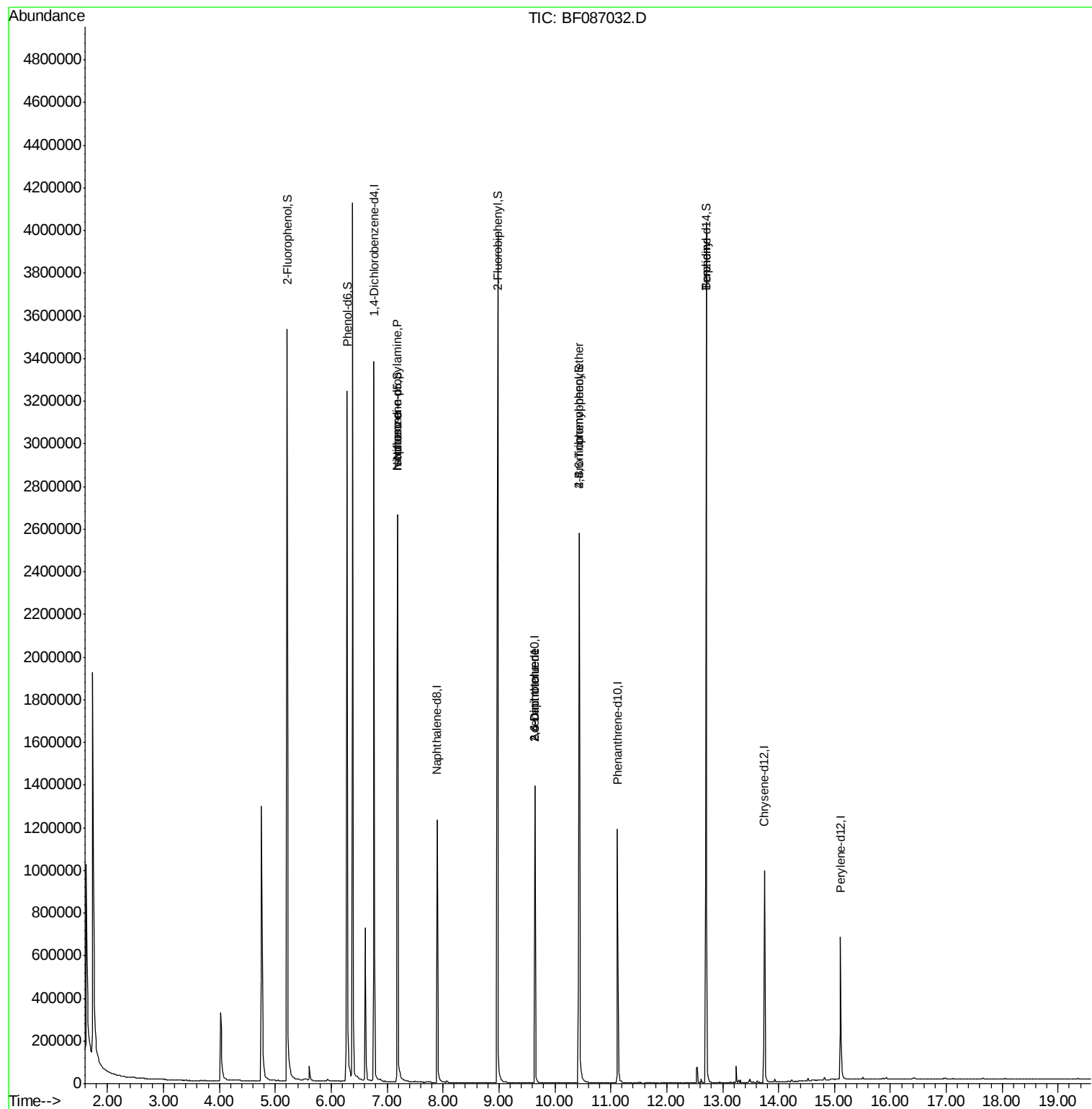
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	457072	20.00	ng	0.07
21) Naphthalene-d8	7.90	136	565138	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	267213	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	502611	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	349446	20.00	ng	-0.09
86) Perylene-d12	15.11	264	293297	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	984570	36.48	ng	-0.08
7) Phenol-d6	6.28	99	1462409	40.54	ng	-0.08
23) Nitrobenzene-d5	7.19	82	980893	87.15	ng	-0.08
41) 2,4,6-Tribromophenol	10.43	330	300157	106.10	ng	-0.09
44) 2-Fluorobiphenyl	8.98	172	1562315	98.26	ng	-0.08
78) Terphenyl-d14	12.71	244	1255812	76.25	ng	-0.09
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	138009	5.47	ng	# 77
25) Isophorone	7.19	82	960448	45.99	ng	# 68
50) 2,6-Dinitrotoluene	9.64	165	34339	8.00	ng	# 21
56) 2,4-Dinitrotoluene	9.64	165	34341	6.47	ng	# 16
66) 4-Bromophenyl-phenylether	10.43	248	18389	3.61	ng	# 1
76) Benzidine	12.71	184	19404	2.18	ng	98

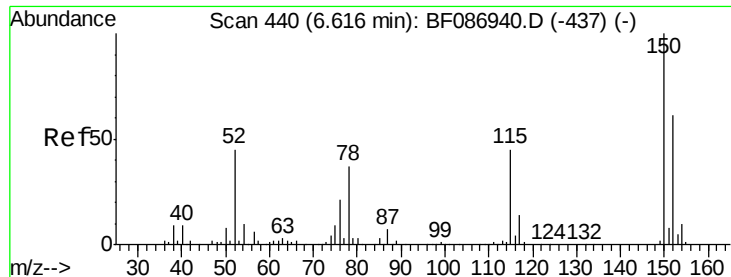
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 13 14:55:23 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 453

Delta R.T. 0.07 min

Lab File: BF087032.D

Acq: 14 May 2016 21:08

Instrument :

BNA_F

ClientSampleId :

PB90536BL

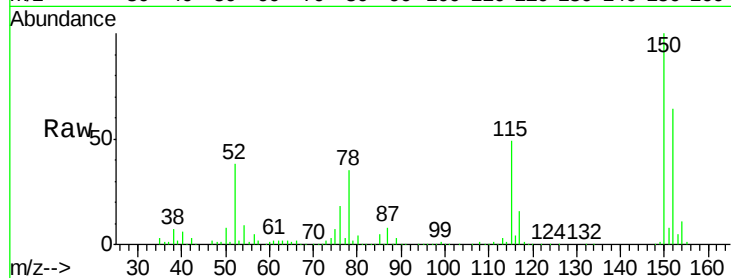
Tgt Ion:152 Resp: 457072

Ion Ratio Lower Upper

152 100

150 155.9 125.8 188.6

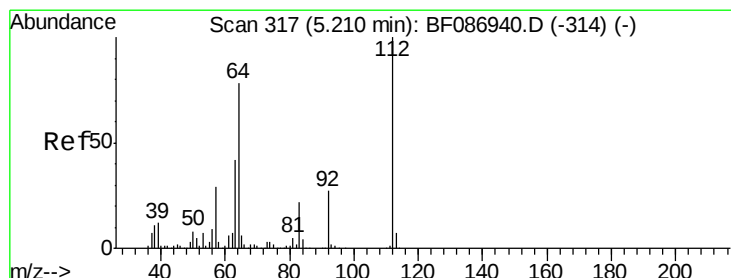
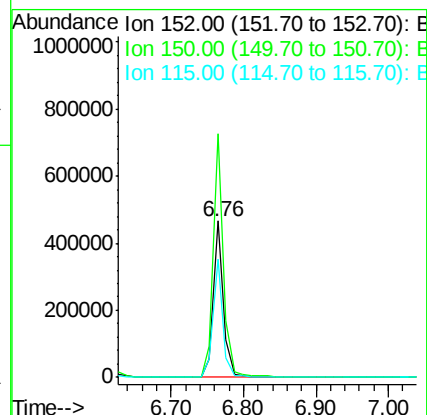
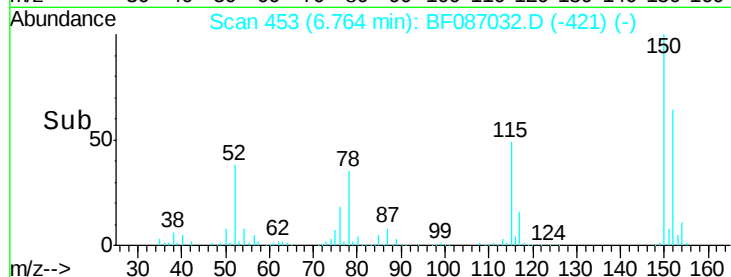
115 75.7 51.5 77.3



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: 36.48 ng

RT: 5.21 min Scan# 317

Delta R.T. -0.08 min

Lab File: BF087032.D

Acq: 14 May 2016 21:08

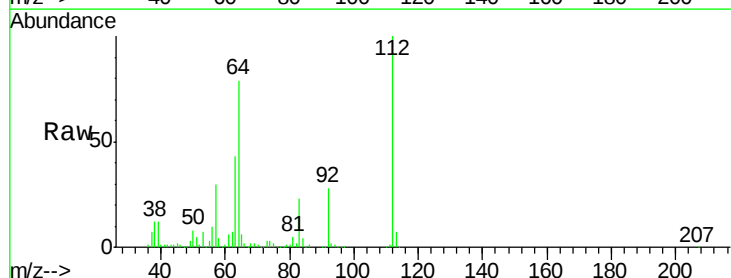
Tgt Ion:112 Resp: 984570

Ion Ratio Lower Upper

112 100

64 78.8 52.1 78.1#

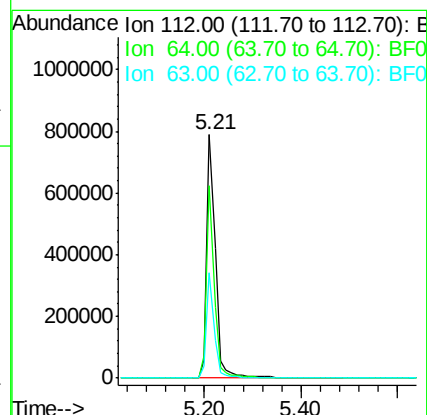
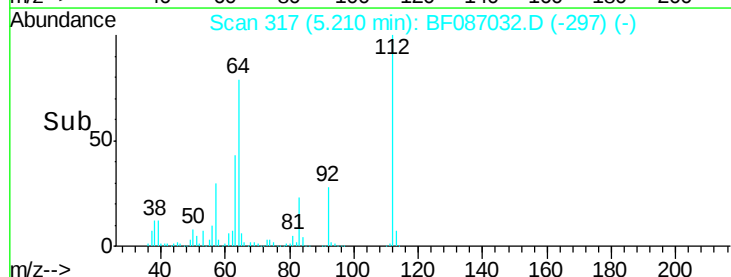
63 43.4 25.7 38.5#



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: 40.54 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF087032.D

Acq: 14 May 2016 21:08

Instrument :

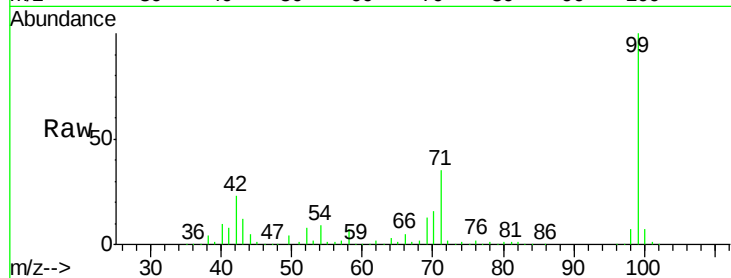
BNA_F

ClientSampled :

PB90536BL

Tgt Ion: 99 Resp: 1462409

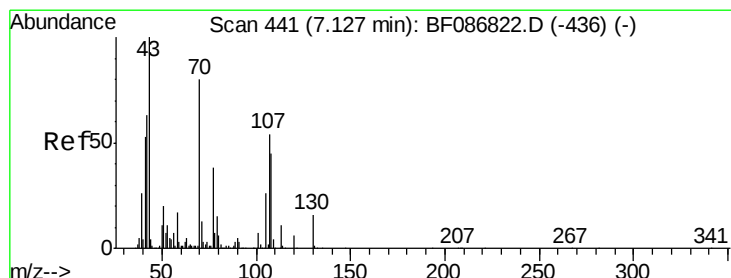
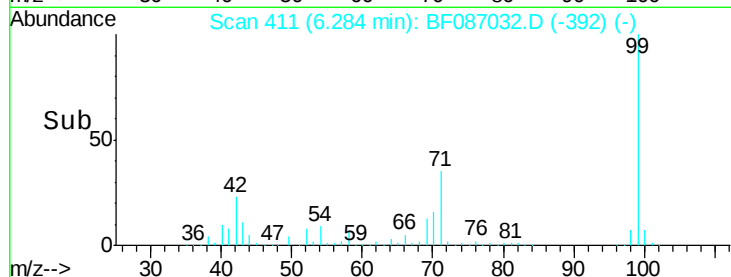
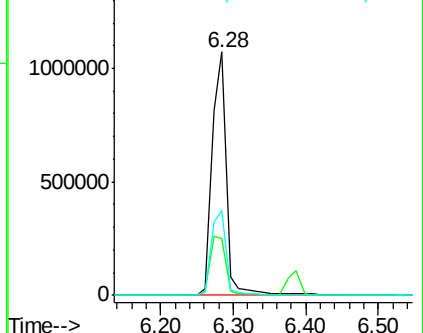
Ion	Ratio	Lower	Upper
99	100		
42	23.3	13.6	20.4#
71	34.7	24.6	36.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.47 ng

RT: 7.19 min Scan# 490

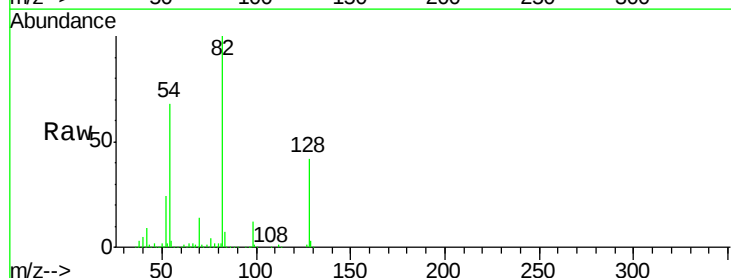
Delta R.T. 0.06 min

Lab File: BF087032.D

Acq: 14 May 2016 21:08

Tgt Ion: 70 Resp: 138009

Ion	Ratio	Lower	Upper
70	100		
42	63.9	43.1	64.7
101	0.0	8.1	12.1#
130	1.9	18.6	28.0#

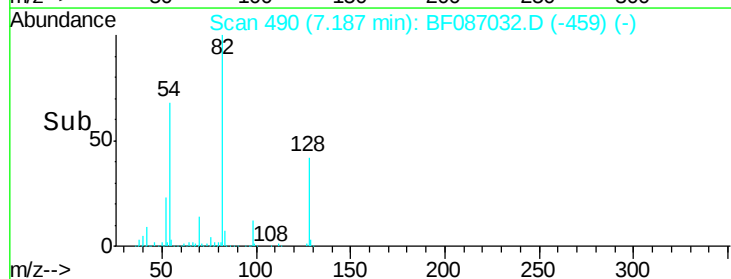
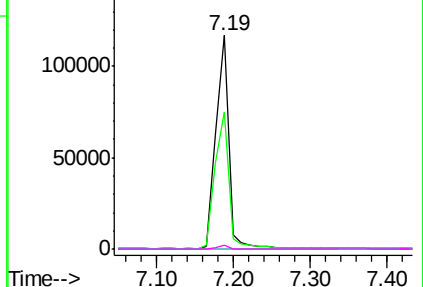


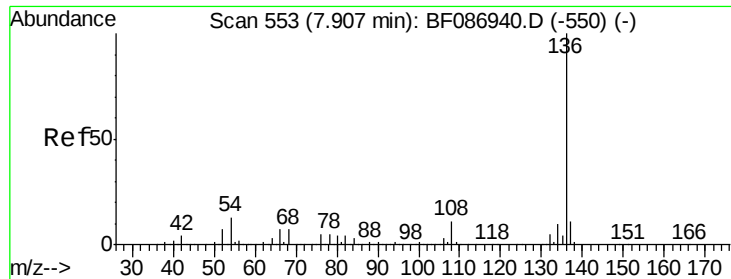
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

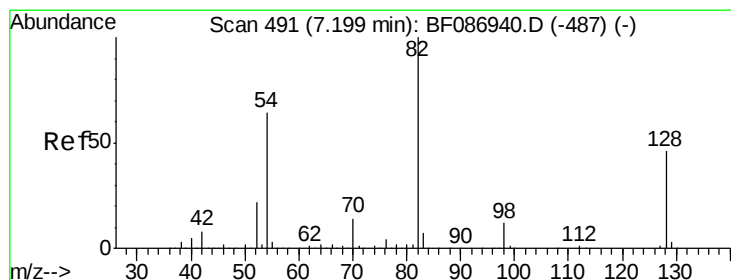
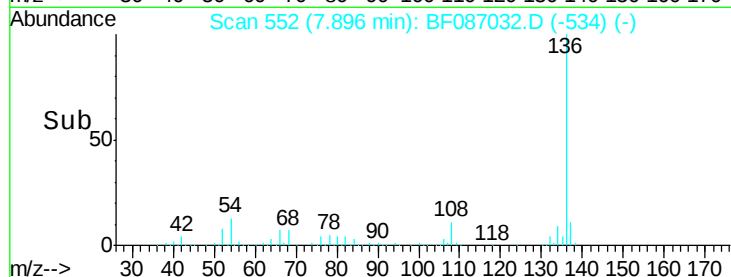
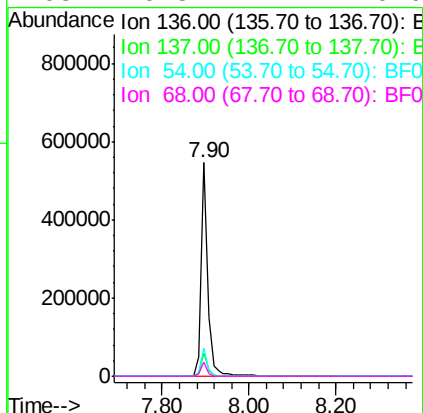
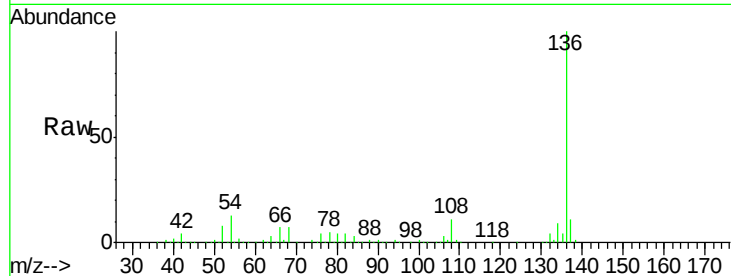




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087032.D
Acq: 14 May 2016 21:08

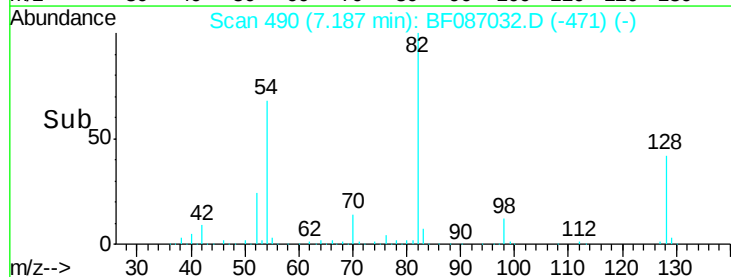
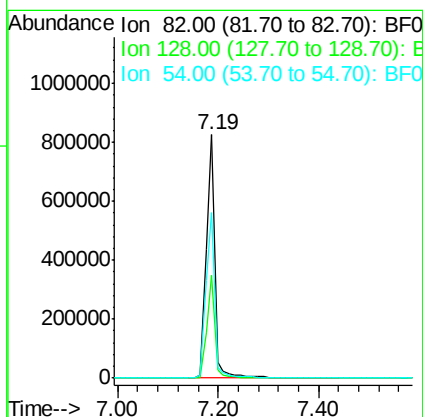
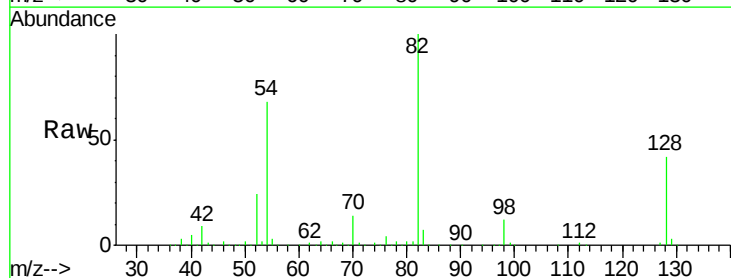
Instrument :
BNA_F
ClientSampleId :
PB90536BL

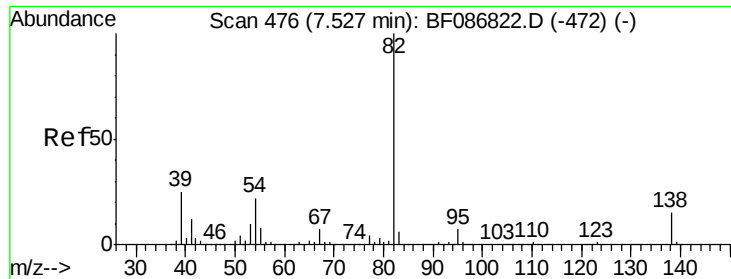
Tgt Ion:	136	Resp:	565138
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	13.3	5.0	7.4#
68	6.8	4.4	6.6#



#23
Nitrobenzene-d5
Concen: 87.15 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.08 min
Lab File: BF087032.D
Acq: 14 May 2016 21:08

Tgt Ion:	82	Resp:	980893
Ion	Ratio	Lower	Upper
82	100		
128	42.1	40.6	61.0
54	68.0	38.1	57.1#





#25

Isophorone

Concen: 45.99 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.34 min

Lab File: BF087032.D

Acq: 14 May 2016 21:08

Instrument :

BNA_F

ClientSampleId :

PB90536BL

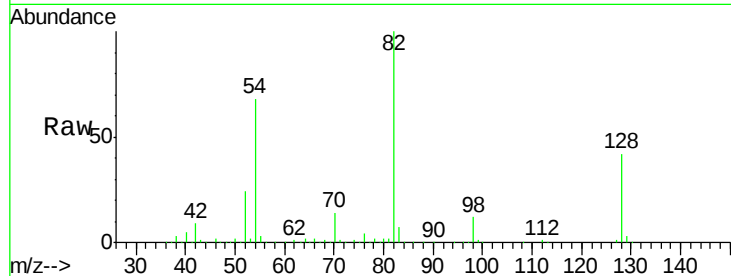
Tgt Ion: 82 Resp: 960448

Ion Ratio Lower Upper

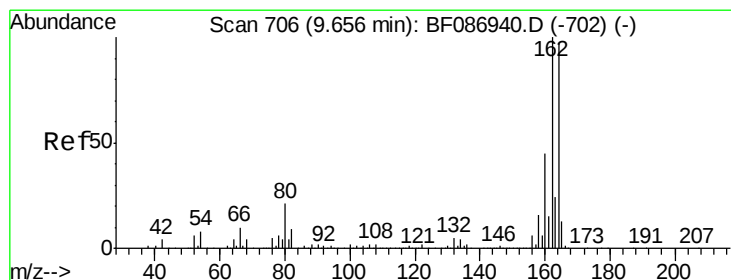
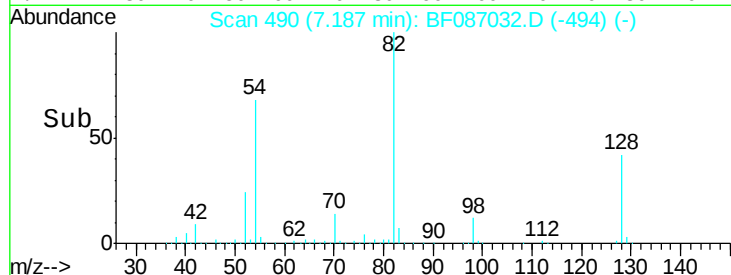
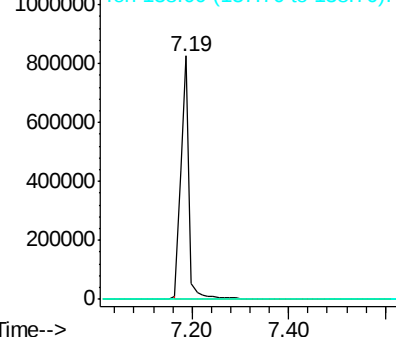
82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.09 min

Lab File: BF087032.D

Acq: 14 May 2016 21:08

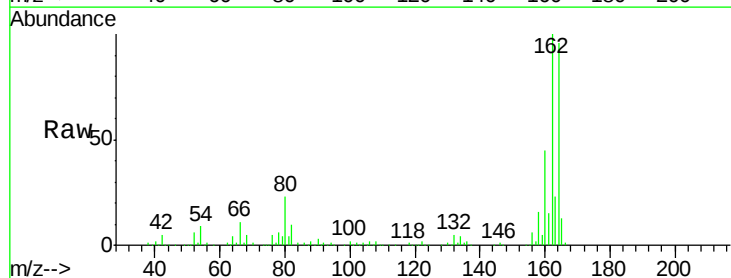
Tgt Ion: 164 Resp: 267213

Ion Ratio Lower Upper

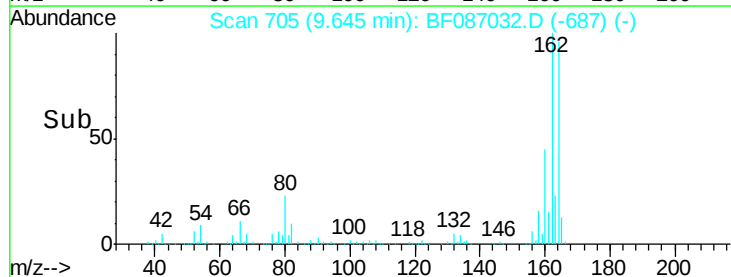
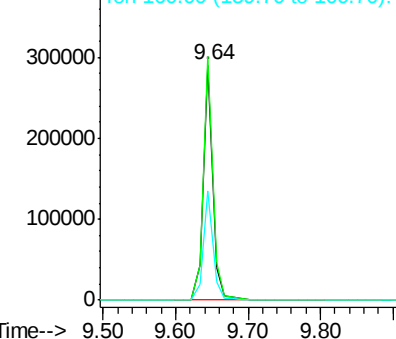
164 100

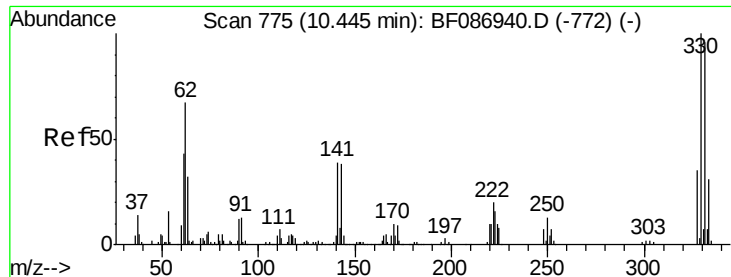
162 103.6 82.8 124.2

160 46.4 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

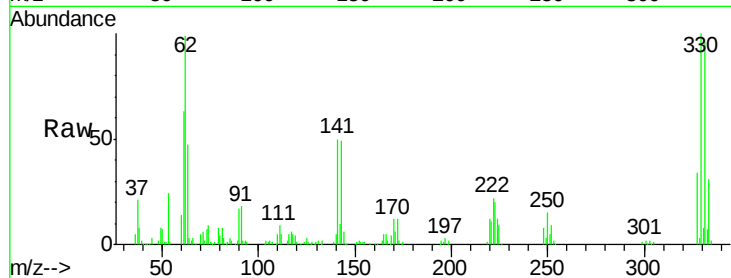




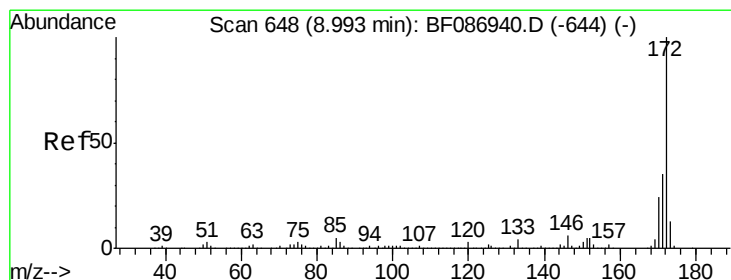
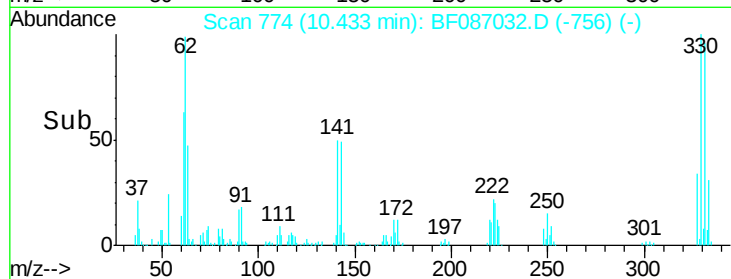
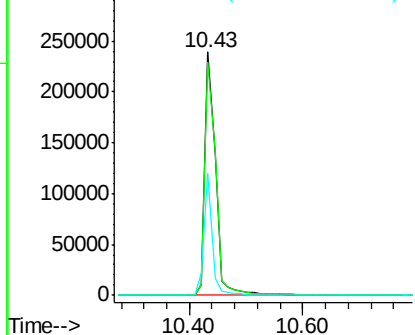
#41
 2,4,6-Tribromophenol
 Concen: 106.10 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.09 min
 Lab File: BF087032.D
 Acq: 14 May 2016 21:08

Instrument :
 BNA_F
 ClientSampleId :
 PB90536BL

Tgt Ion:330 Resp: 300157
 Ion Ratio Lower Upper
 330 100
 332 97.7 79.0 118.4
 141 39.7 31.2 46.8

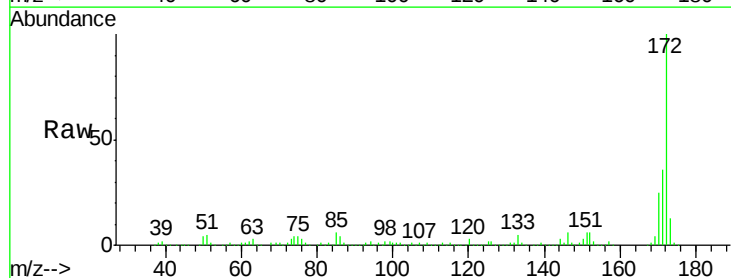


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

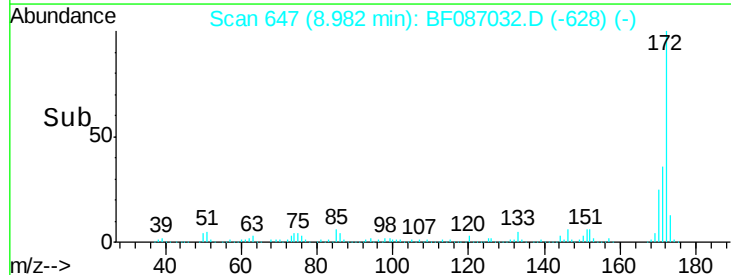
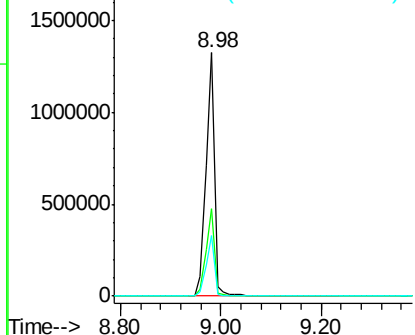


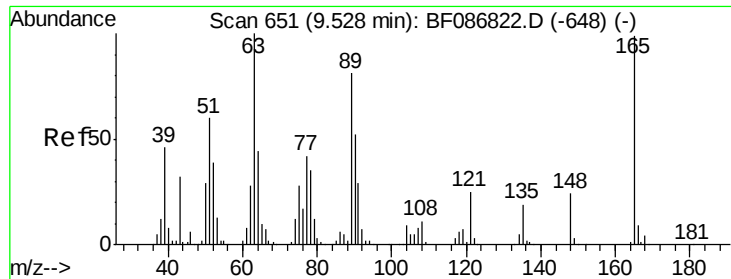
#44
 2-Fluorobiphenyl
 Concen: 98.26 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087032.D
 Acq: 14 May 2016 21:08

Tgt Ion:172 Resp: 1562315
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.0 43.6
 170 24.7 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

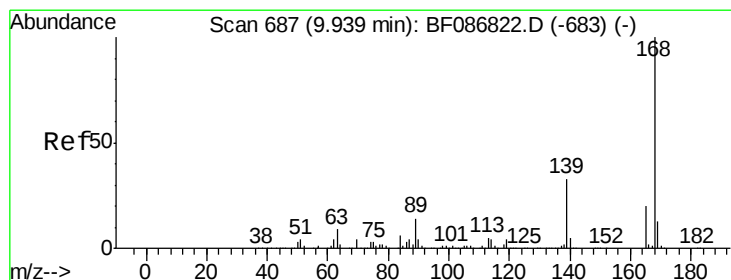
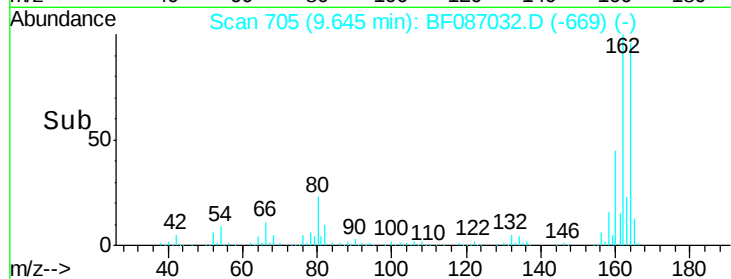
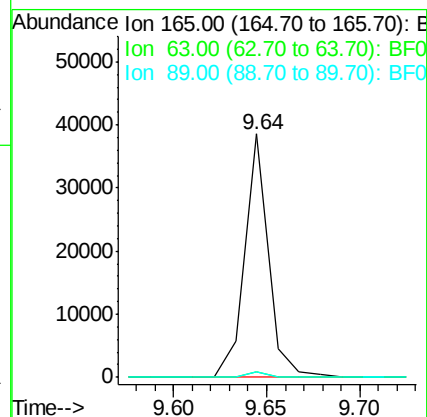
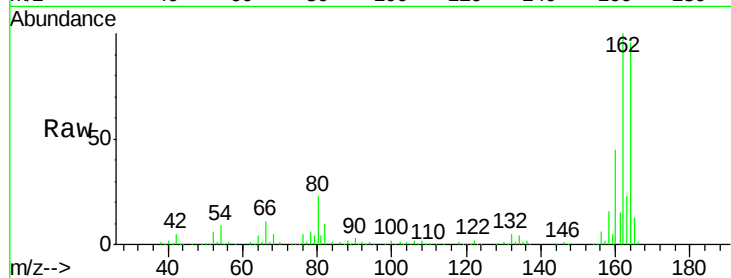




#50
 2,6-Dinitrotoluene
 Concen: 8.00 ng
 RT: 9.64 min Scan# 705
 Delta R.T. 0.12 min
 Lab File: BF087032.D
 Acq: 14 May 2016 21:08

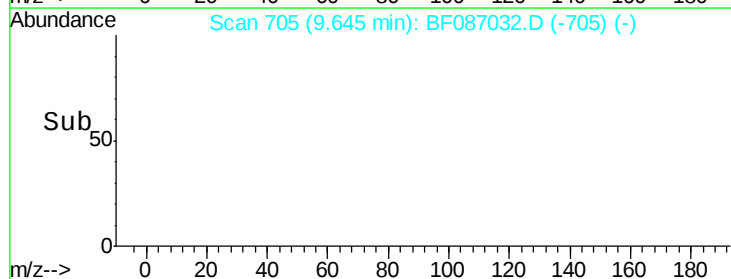
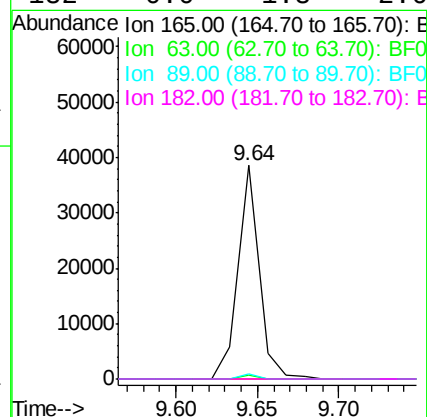
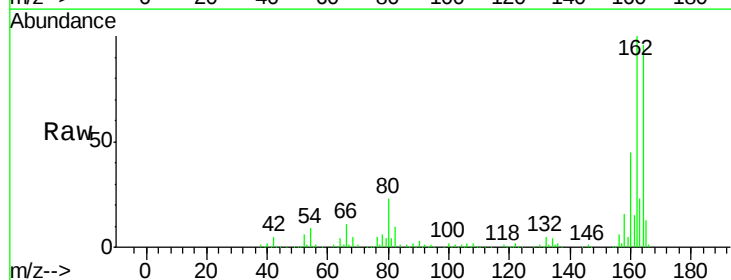
Instrument :
 BNA_F
 ClientSampleId :
 PB90536BL

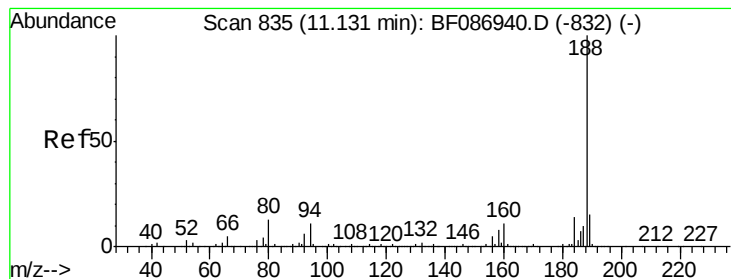
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	51.8	77.8#
89	2.2	50.7	76.1#



#56
 2,4-Dinitrotoluene
 Concen: 6.47 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.29 min
 Lab File: BF087032.D
 Acq: 14 May 2016 21:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	44.3	66.5#
89	2.2	70.0	105.0#
182	0.0	1.8	2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 834

Delta R.T. -0.09 min

Lab File: BF087032.D

Acq: 14 May 2016 21:08

Instrument :

BNA_F

ClientSampleId :

PB90536BL

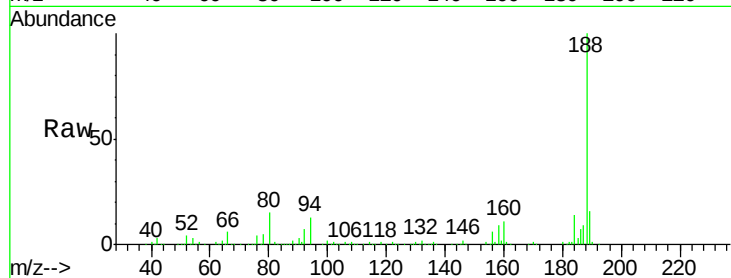
Tgt Ion:188 Resp: 502611

Ion Ratio Lower Upper

188 100

94 13.0 6.8 10.2#

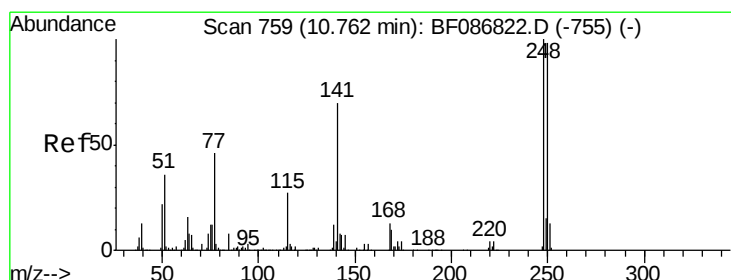
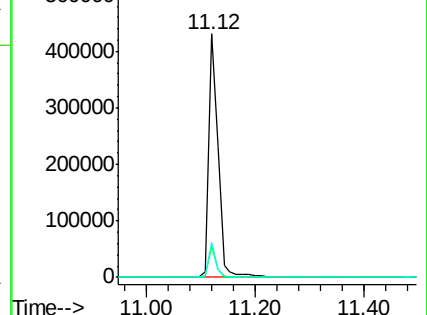
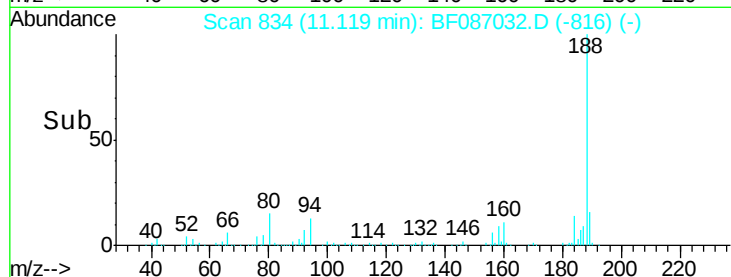
80 14.6 7.1 10.7#



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



#66

4-Bromophenyl-phenylether

Concen: 3.61 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.33 min

Lab File: BF087032.D

Acq: 14 May 2016 21:08

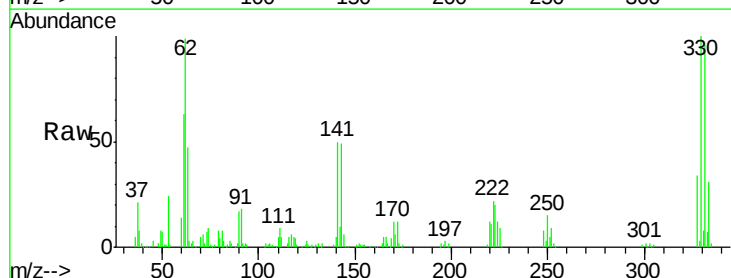
Tgt Ion:248 Resp: 18389

Ion Ratio Lower Upper

248 100

250 201.3 78.6 117.8#

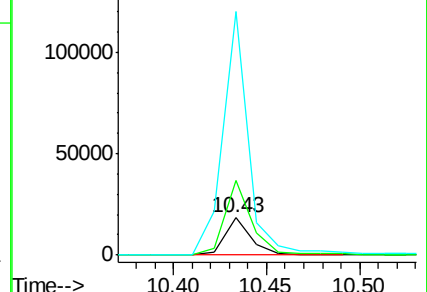
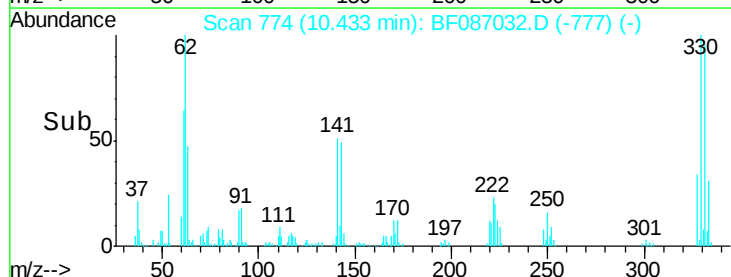
141 652.4 76.0 114.0#

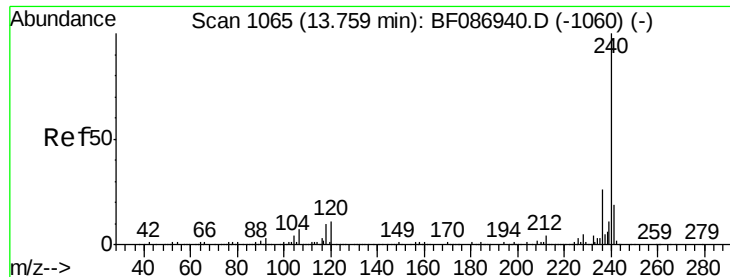


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.09 min

Lab File: BF087032.D

Acq: 14 May 2016 21:08

Instrument :

BNA_F

ClientSampleId :

PB90536BL

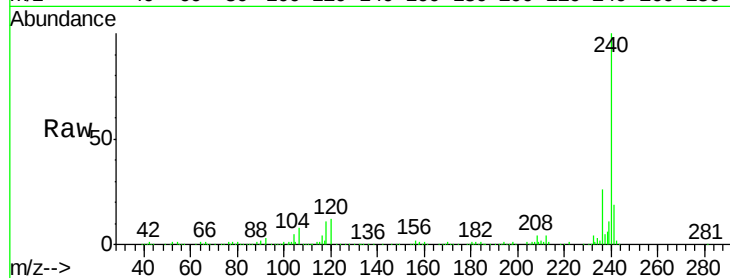
Tgt Ion:240 Resp: 349446

Ion Ratio Lower Upper

240 100

120 12.1 11.2 16.8

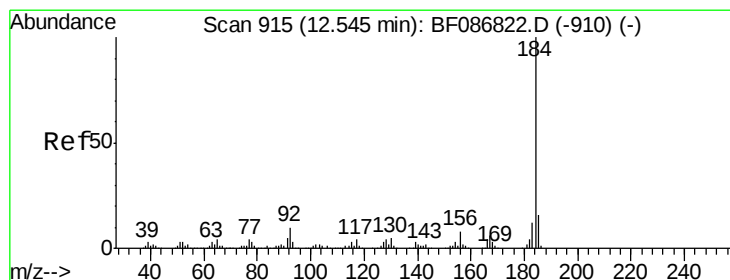
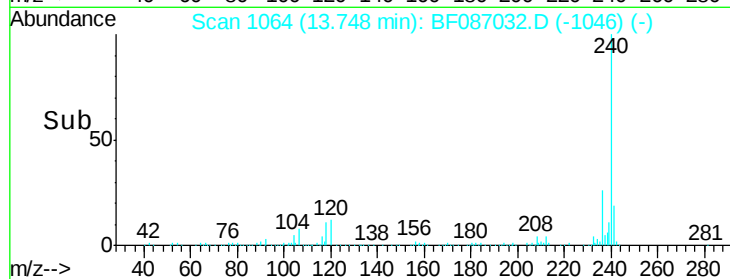
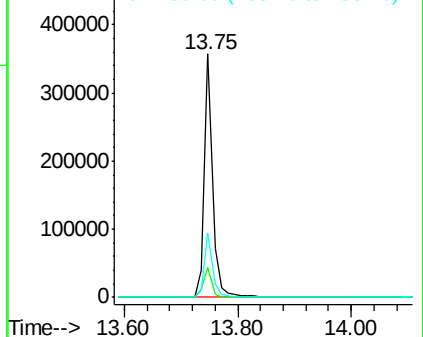
236 26.3 21.2 31.8



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



#76

Benzidine

Concen: 2.18 ng

RT: 12.71 min Scan# 973

Delta R.T. 0.16 min

Lab File: BF087032.D

Acq: 14 May 2016 21:08

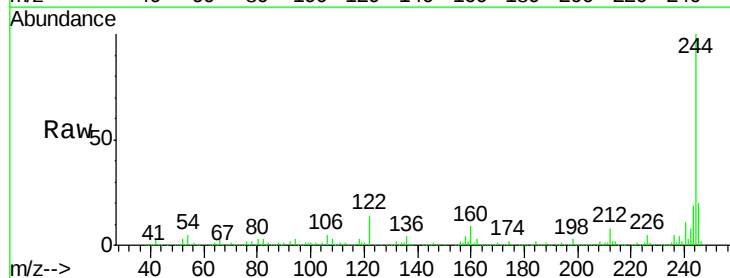
Tgt Ion:184 Resp: 19404

Ion Ratio Lower Upper

184 100

185 16.6 13.6 20.4

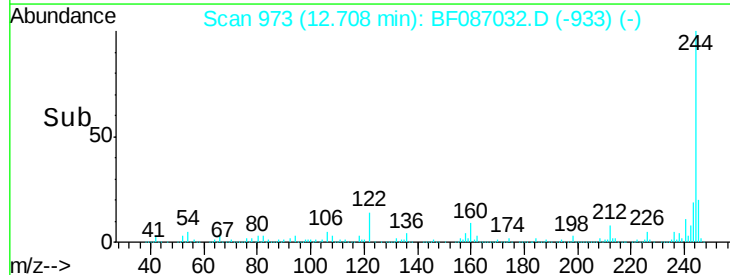
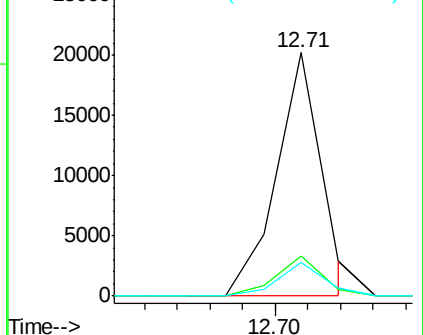
183 14.0 9.8 14.6

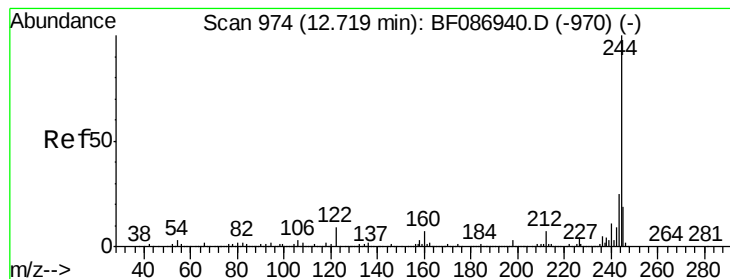


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 76.25 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.09 min

Lab File: BF087032.D

Acq: 14 May 2016 21:08

Instrument :

BNA_F

ClientSampleId :

PB90536BL

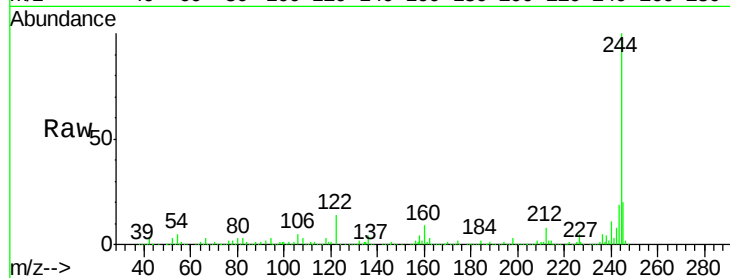
Tgt Ion:244 Resp: 1255812

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

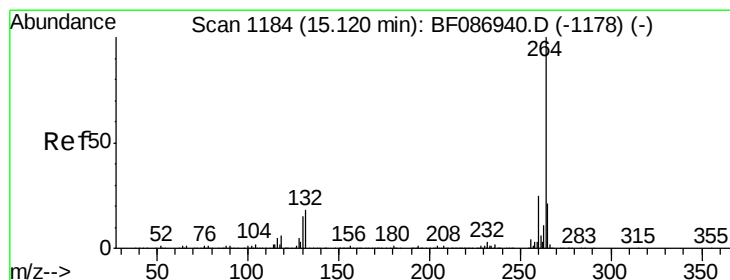
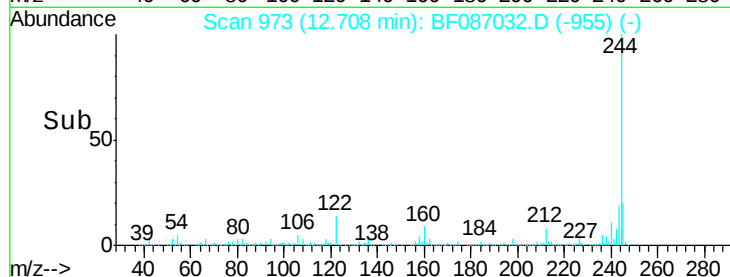
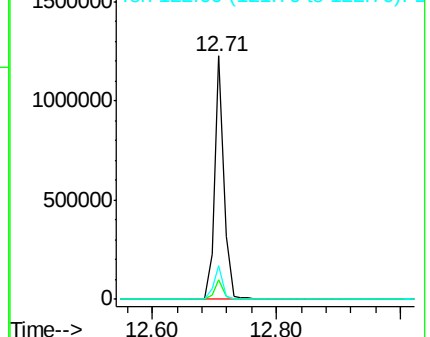
122 13.7 12.0 18.0



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: 20.00 ng

RT: 15.11 min Scan# 1183

Delta R.T. -0.10 min

Lab File: BF087032.D

Acq: 14 May 2016 21:08

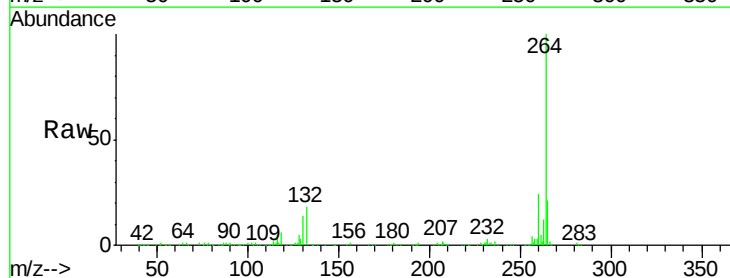
Tgt Ion:264 Resp: 293297

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 21.4 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

