

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
 Data File : BF086926.D
 Acq On : 12 May 2016 11:13
 Operator : UM/SJ
 Sample : H2866-01RE 50X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR9918-A

Quant Time: May 12 16:15:00 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 12 15:26:18 2016
 Response via : Initial Calibration

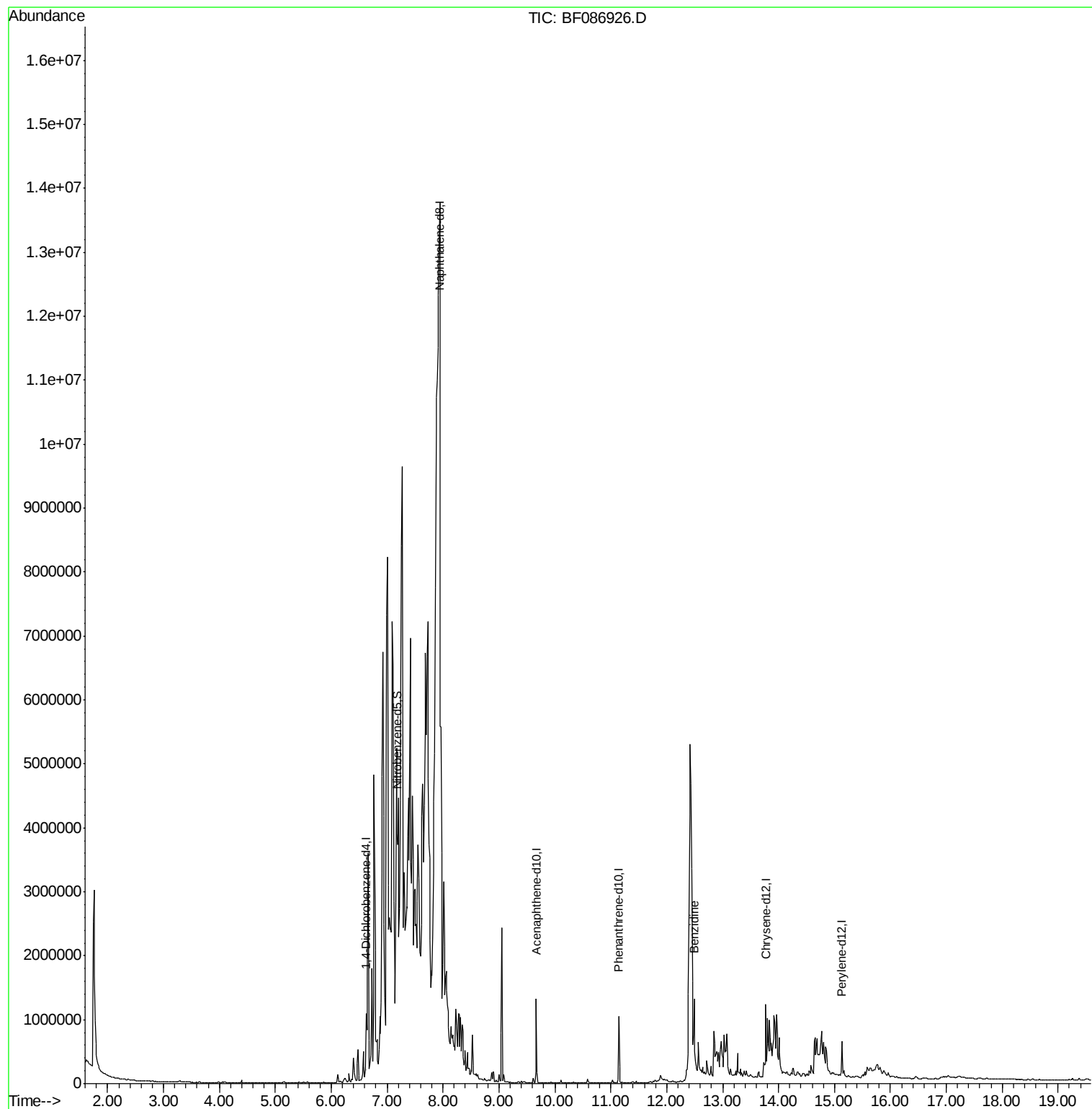
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	151569	20.00	ng	-0.01
21) Naphthalene-d8	7.93	136	153494	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	228826	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	351398	20.00	ng	-0.01
75) Chrysene-d12	13.77	240	356121	20.00	ng	-0.01
86) Perylene-d12	15.13	264	269363	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1073	0.12	ng	0.02
7) Phenol-d6	6.32	99	3704	0.31	ng	0.00
23) Nitrobenzene-d5	7.18	82	21816	7.14	ng	-0.05
41) 2,4,6-Tribromophenol	10.46	330	215	0.09	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	4412	0.32	ng	-0.01
78) Terphenyl-d14	12.73	244	4366	0.26	ng	0.00
Target Compounds						
76) Benzidine	12.49	184	407758	44.91	ng	Qvalue 96

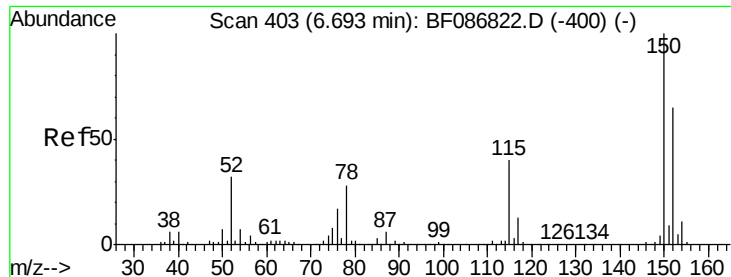
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.01 min

Lab File: BF086926.D

Acq: 12 May 2016 11:13

Instrument :

BNA_F

ClientSampleId :

LAR9918-A

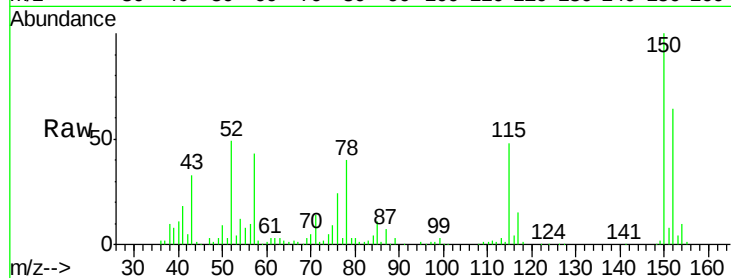
Tgt Ion:152 Resp: 151569

Ion Ratio Lower Upper

152 100

150 157.2 125.8 188.6

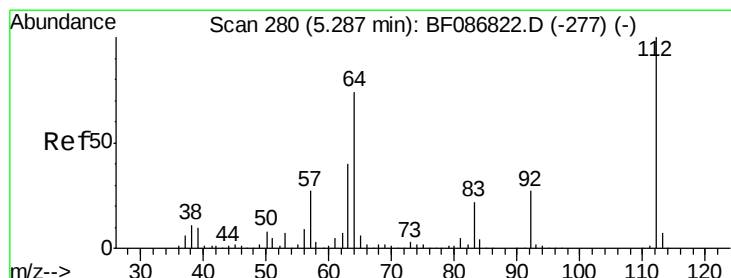
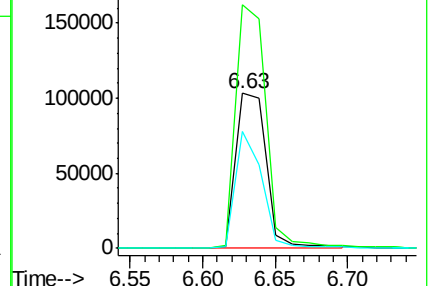
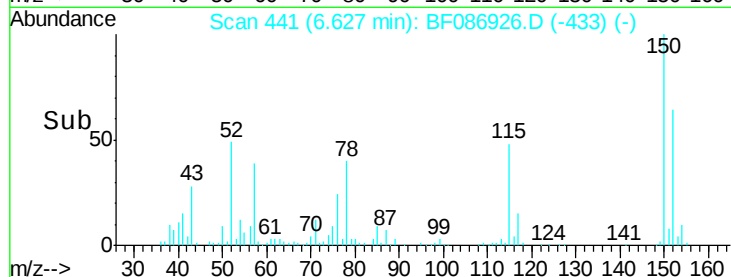
115 75.7 51.5 77.3



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: 0.12 ng

RT: 5.26 min Scan# 321

Delta R.T. 0.02 min

Lab File: BF086926.D

Acq: 12 May 2016 11:13

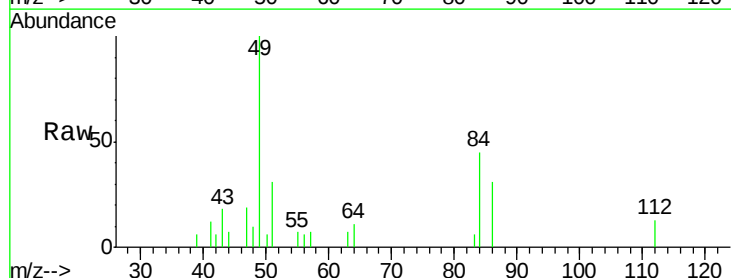
Tgt Ion:112 Resp: 1073

Ion Ratio Lower Upper

112 100

64 89.6 52.1 78.1#

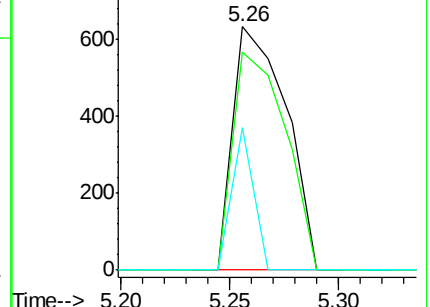
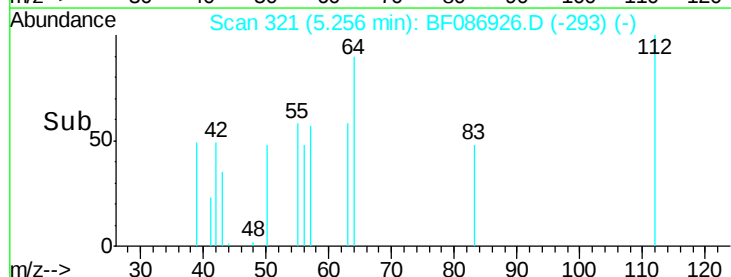
63 58.5 25.7 38.5#

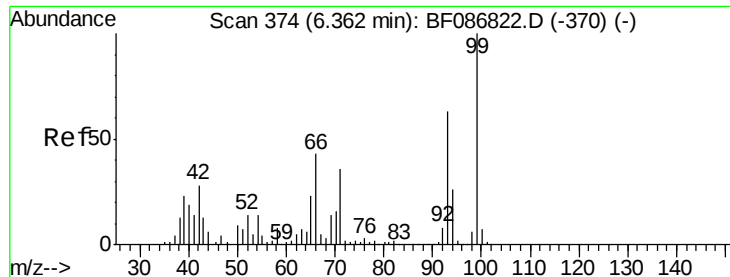


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 0.31 ng

RT: 6.32 min Scan# 414

Delta R.T. 0.00 min

Lab File: BF086926.D

Acq: 12 May 2016 11:13

Instrument :

BNA_F

ClientSampleId :

LAR9918-A

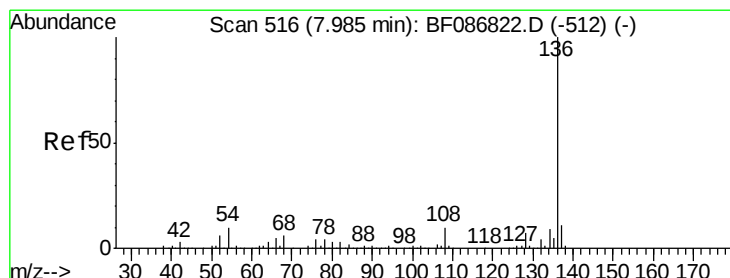
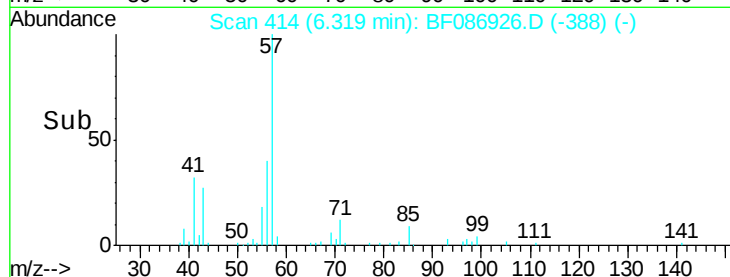
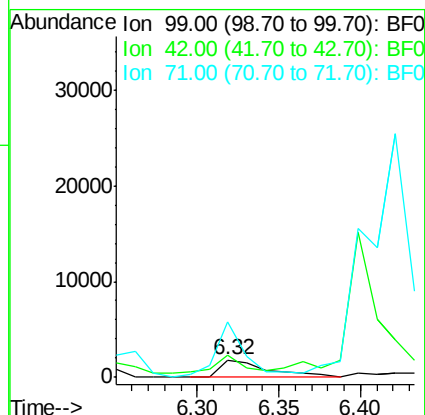
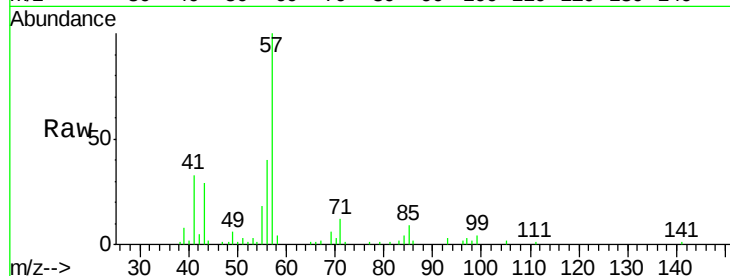
Tgt Ion: 99 Resp: 3704

Ion Ratio Lower Upper

99 100

42 126.1 13.6 20.4#

71 314.2 24.6 36.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 555

Delta R.T. 0.00 min

Lab File: BF086926.D

Acq: 12 May 2016 11:13

Tgt Ion: 136 Resp: 153494

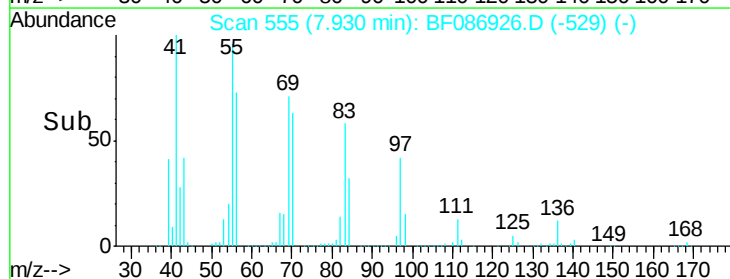
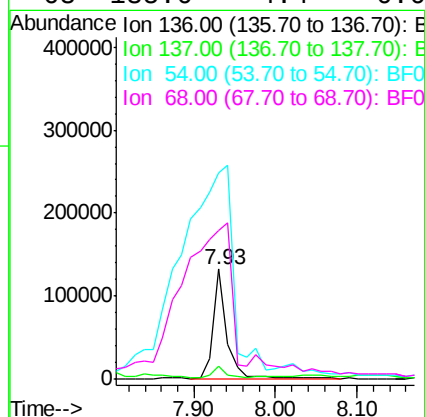
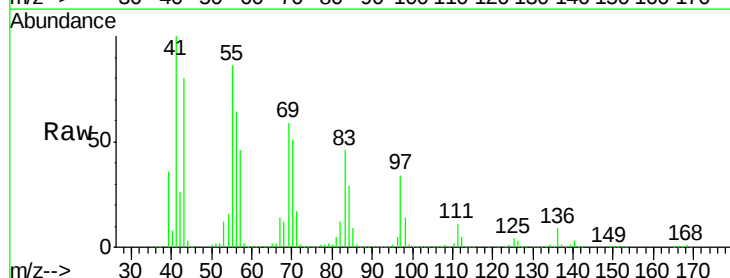
Ion Ratio Lower Upper

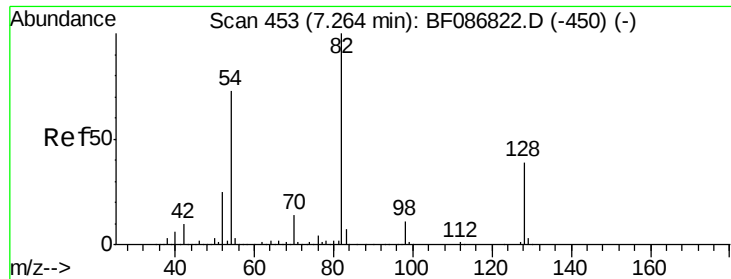
136 100

137 11.9 8.8 13.2

54 187.7 5.0 7.4#

68 135.6 4.4 6.6#

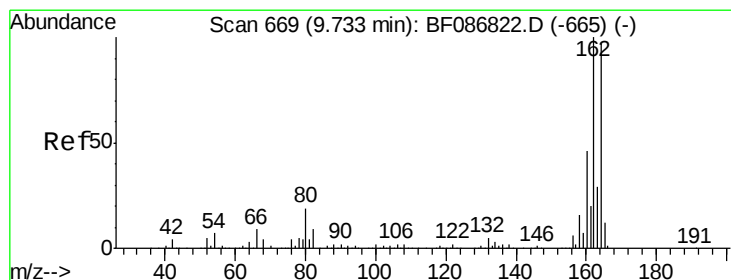
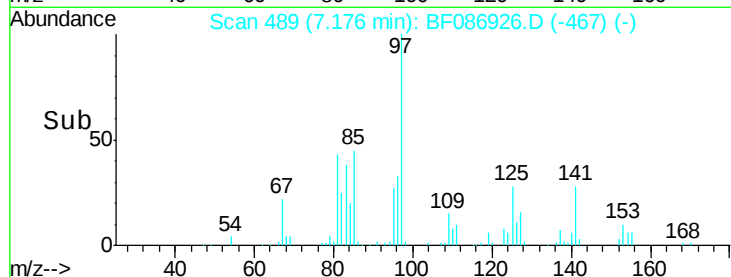
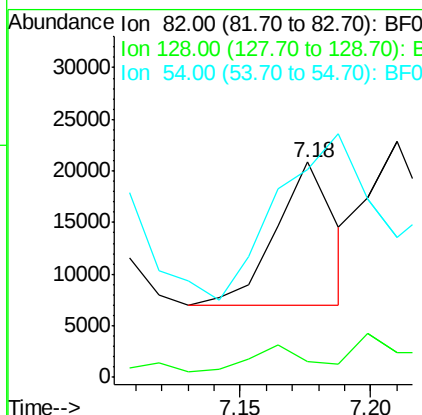
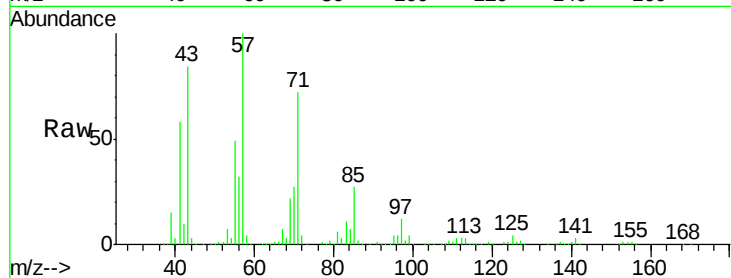




#23
 Nitrobenzene-d5
 Concen: 7.14 ng
 RT: 7.18 min Scan# 489
 Delta R.T. -0.05 min
 Lab File: BF086926.D
 Acq: 12 May 2016 11:13

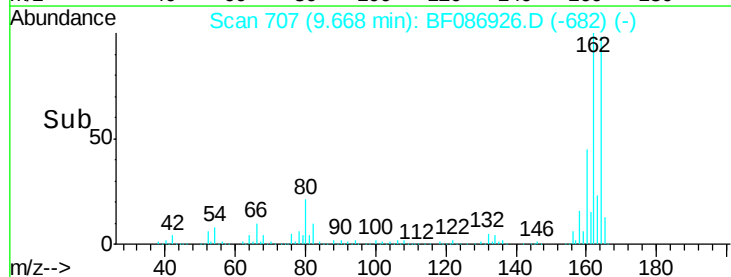
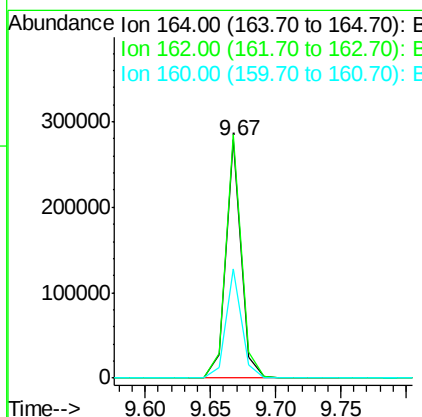
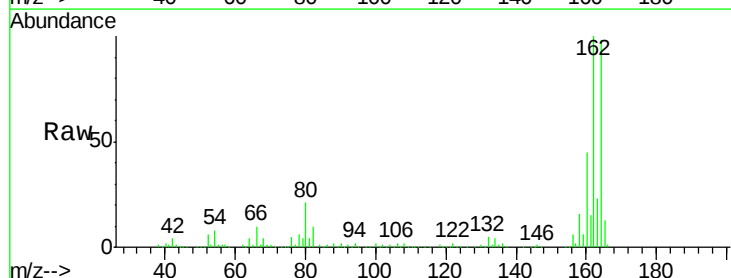
Instrument :
 BNA_F
 ClientSampleId :
 LAR9918-A

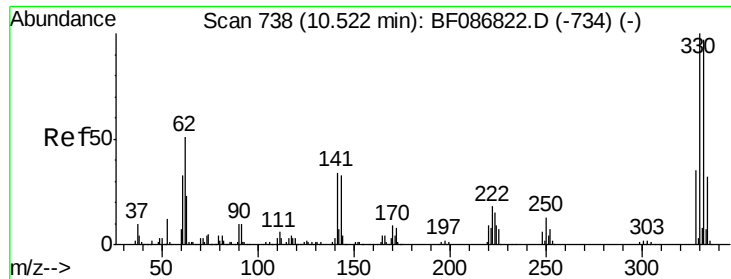
Tgt Ion: 82 Resp: 21816
 Ion Ratio Lower Upper
 82 100
 128 7.2 40.6 61.0#
 54 96.5 38.1 57.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.67 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: BF086926.D
 Acq: 12 May 2016 11:13

Tgt Ion: 164 Resp: 228826
 Ion Ratio Lower Upper
 164 100
 162 102.3 82.8 124.2
 160 46.1 36.9 55.3

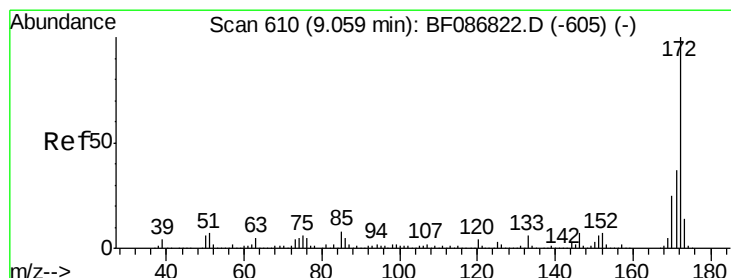
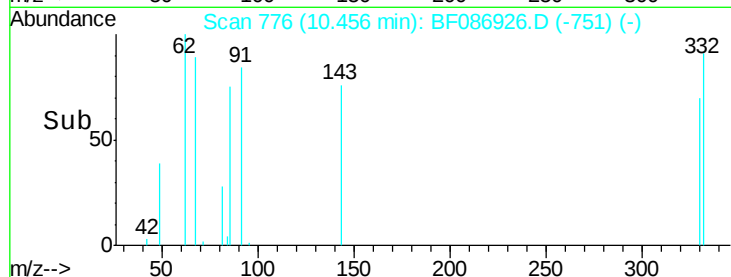
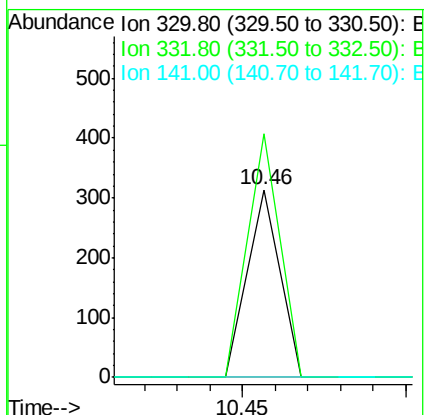
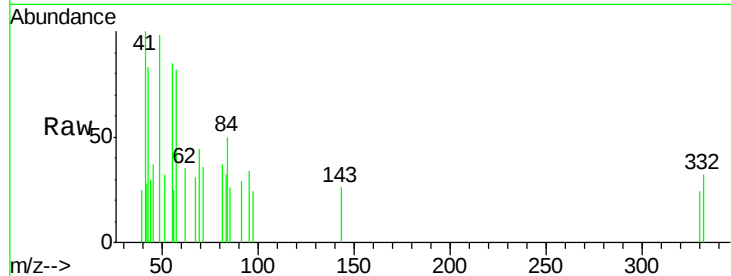




#41
 2,4,6-Tribromophenol
 Concen: 0.09 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: BF086926.D
 Acq: 12 May 2016 11:13

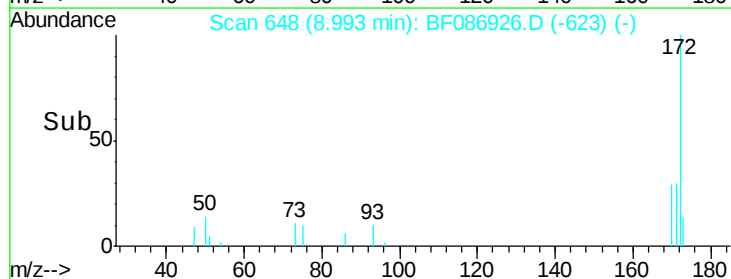
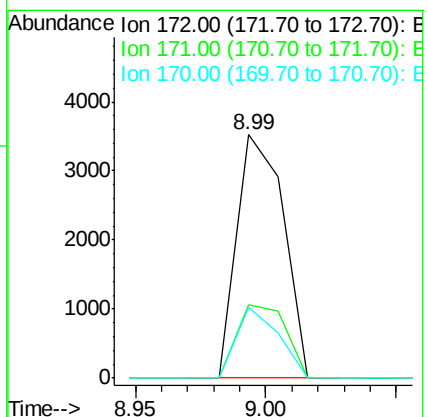
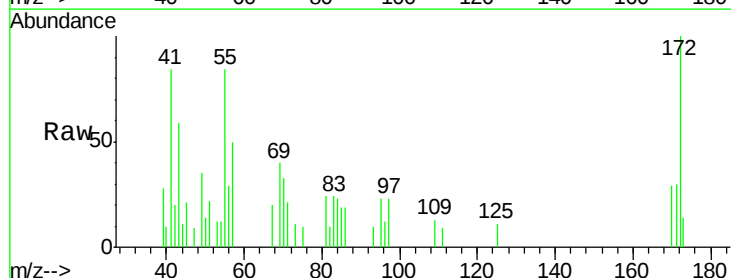
Instrument :
 BNA_F
 ClientSampled :
 LAR9918-A

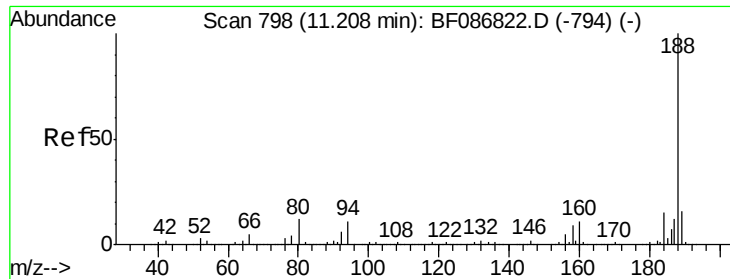
Tgt Ion:330 Resp: 215
 Ion Ratio Lower Upper
 330 100
 332 129.8 79.0 118.4#
 141 0.0 31.2 46.8#



#44
 2-Fluorobiphenyl
 Concen: 0.32 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF086926.D
 Acq: 12 May 2016 11:13

Tgt Ion:172 Resp: 4412
 Ion Ratio Lower Upper
 172 100
 171 29.9 29.0 43.6
 170 29.1 19.8 29.8

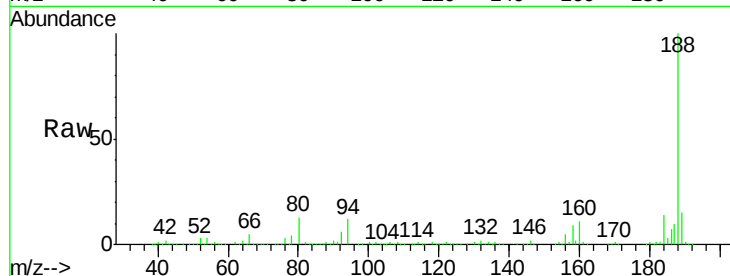




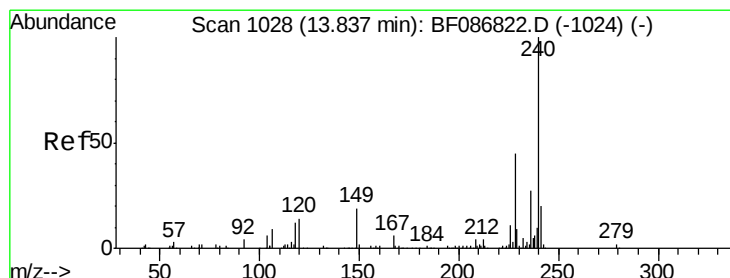
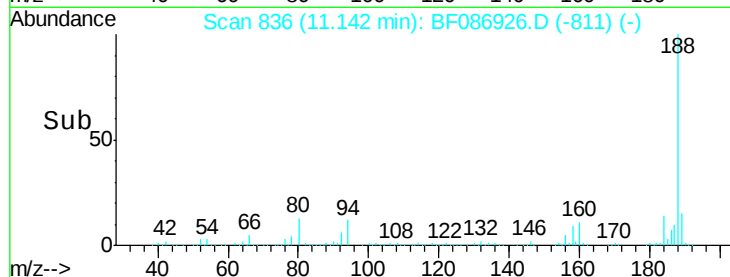
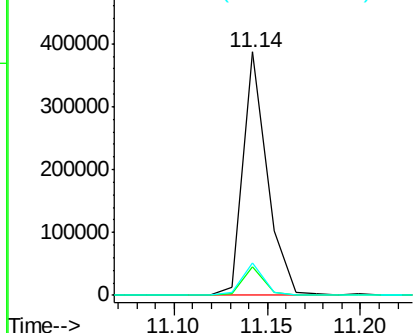
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.01 min
Lab File: BF086926.D
Acq: 12 May 2016 11:13

Instrument :
BNA_F
ClientSampleId :
LAR9918-A

Tgt Ion:188 Resp: 351398
Ion Ratio Lower Upper
188 100
94 12.0 6.8 10.2#
80 13.3 7.1 10.7#

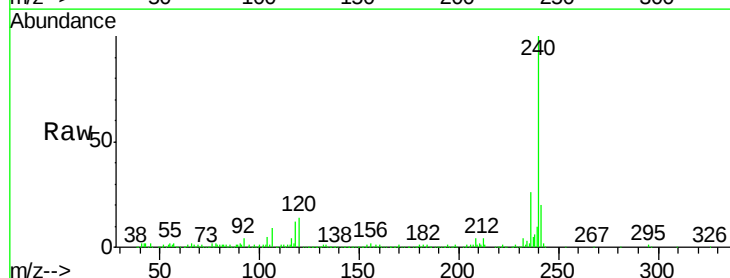


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

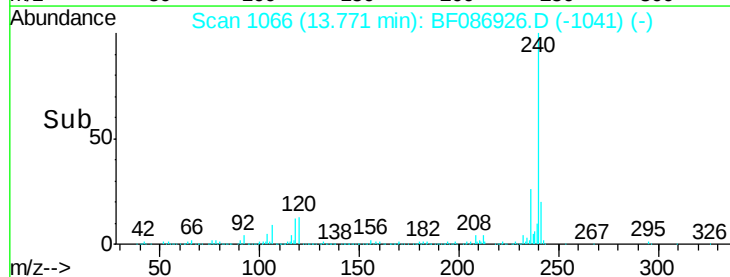
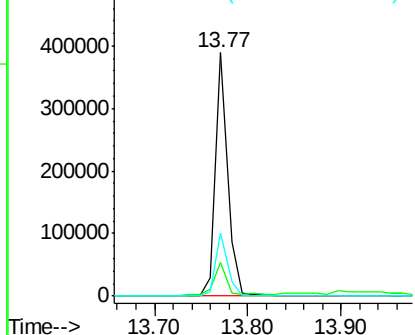


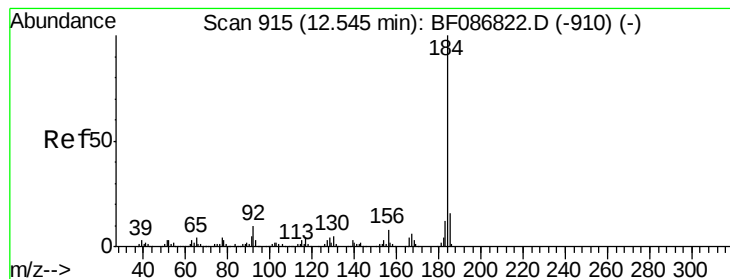
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.77 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BF086926.D
Acq: 12 May 2016 11:13

Tgt Ion:240 Resp: 356121
Ion Ratio Lower Upper
240 100
120 13.6 11.2 16.8
236 26.0 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: 44.91 ng

RT: 12.49 min Scan# 954

Delta R.T. 0.00 min

Lab File: BF086926.D

Acq: 12 May 2016 11:13

Instrument :

BNA_F

ClientSampleId :

LAR9918-A

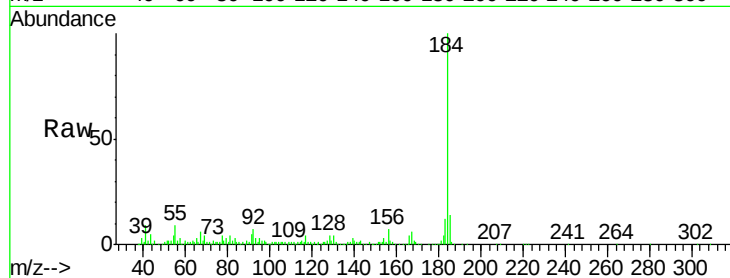
Tgt Ion:184 Resp: 407758

Ion Ratio Lower Upper

184 100

185 14.4 13.6 20.4

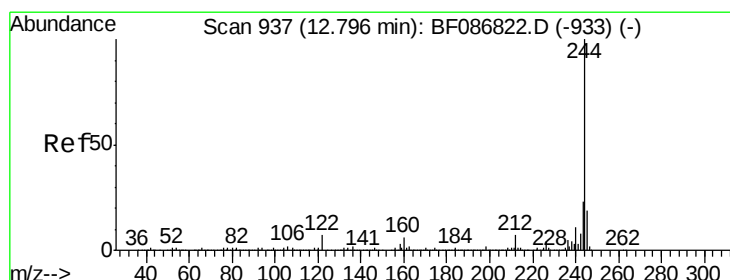
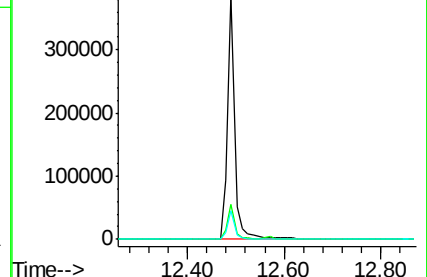
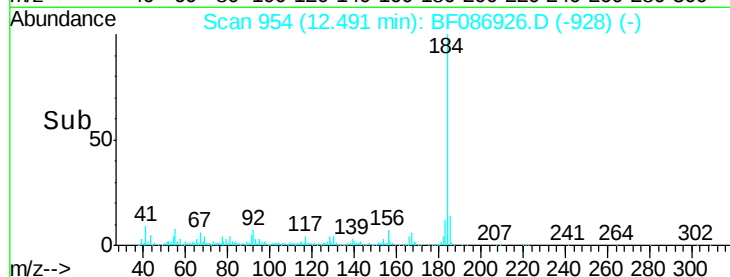
183 11.6 9.8 14.6



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: 0.26 ng

RT: 12.73 min Scan# 975

Delta R.T. 0.00 min

Lab File: BF086926.D

Acq: 12 May 2016 11:13

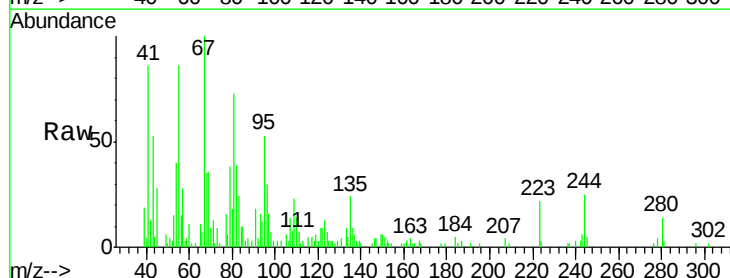
Tgt Ion:244 Resp: 4366

Ion Ratio Lower Upper

244 100

212 0.0 6.2 9.2#

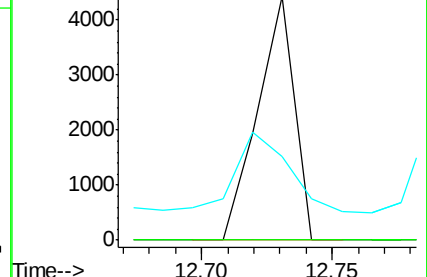
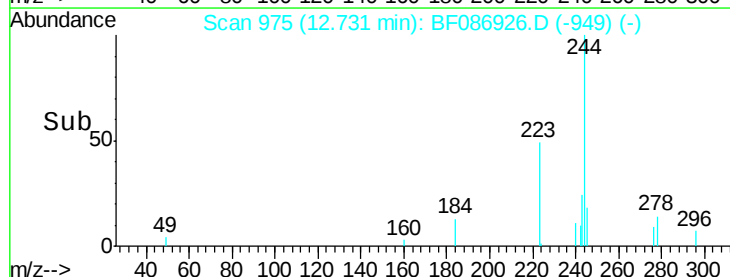
122 34.4 12.0 18.0#

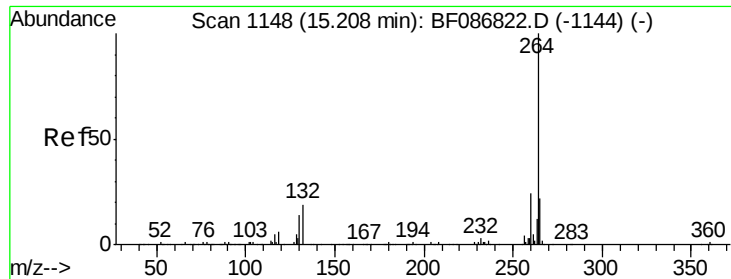


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.13 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF086926.D
Acq: 12 May 2016 11:13

Instrument :
BNA_F
ClientSampleId :
LAR9918-A

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.5	17.3	25.9

