

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088343.D
 Acq On : 24 Jun 2016 20:49
 Operator : UM/SJ
 Sample : H3602-15 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q8-B3(0-8)C

Quant Time: Jun 25 03:41:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

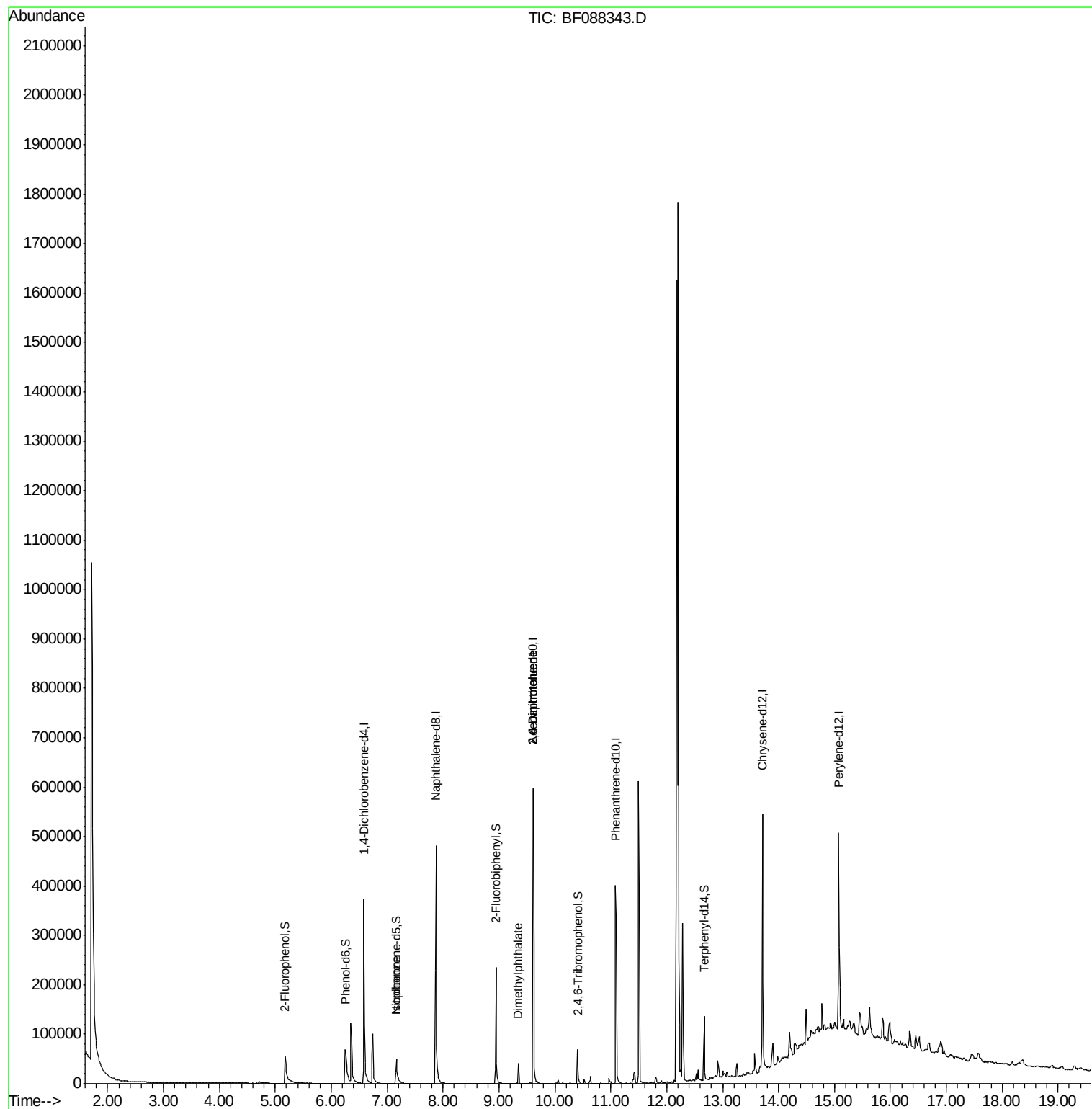
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	81203	20.00	ng	-0.02
21) Naphthalene-d8	7.87	136	328769	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	145116	20.00	ng	-0.03
63) Phenanthrene-d10	11.09	188	234784	20.00	ng	-0.03
75) Chrysene-d12	13.71	240	181571	20.00	ng	-0.03
86) Perylene-d12	15.07	264	168292	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	54658	11.51	ng	0.00
7) Phenol-d6	6.25	99	80556	13.99	ng	-0.01
23) Nitrobenzene-d5	7.16	82	43897	7.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	13671	8.92	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	91597	4.68	ng	-0.02
78) Terphenyl-d14	12.67	244	49825	6.24	ng	-0.02
Target Compounds						
25) Isophorone	7.16	82	43896	4.21	ng	# 65
49) Dimethylphthalate	9.35	163	21546	2.05	ng	99
50) 2,6-Dinitrotoluene	9.61	165	18232	7.57	ng	# 37
56) 2,4-Dinitrotoluene	9.61	165	18229	5.89	ng	# 36
57) Fluorene	10.40	166	655	Below Cal		# 89

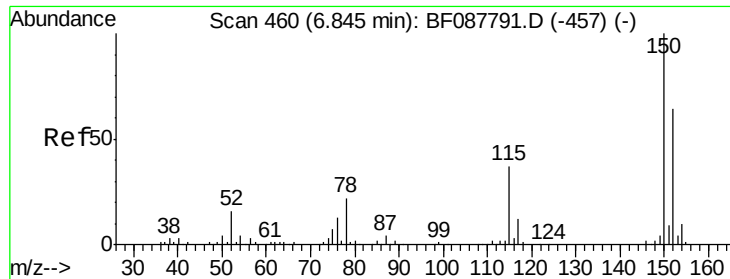
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF088343.D

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Instrument :

BNA_F

ClientSampleId :

Q8-B3(0-8)C

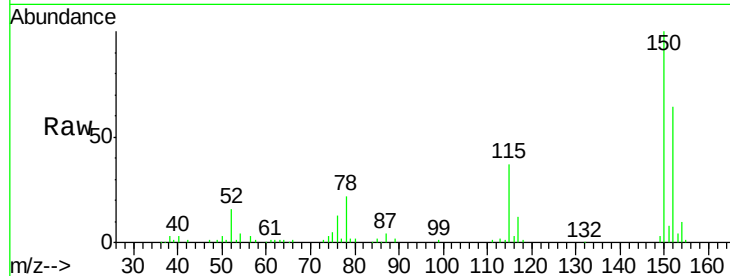
Tgt Ion:152 Resp: 81203

Ion Ratio Lower Upper

152 100

150 157.3 123.8 185.6

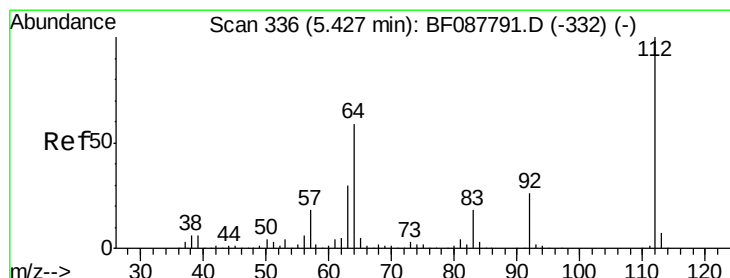
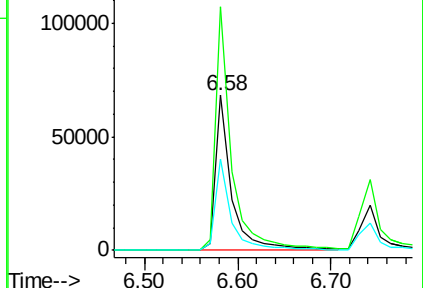
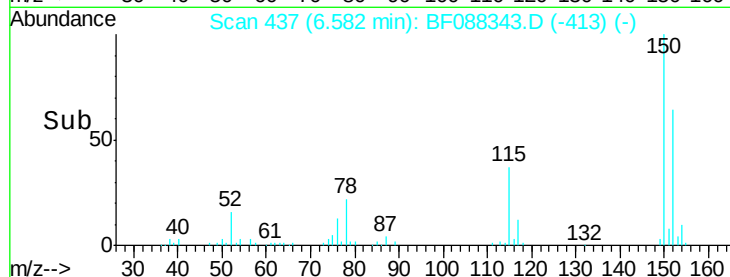
115 59.0 39.6 59.4



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: 11.51 ng

RT: 5.18 min Scan# 314

Delta R.T. 0.00 min

Lab File: BF088343.D

Acq: 24 Jun 2016 20:49

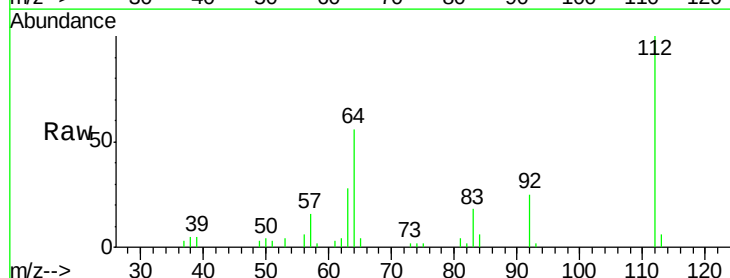
Tgt Ion:112 Resp: 54658

Ion Ratio Lower Upper

112 100

64 55.7 42.2 63.2

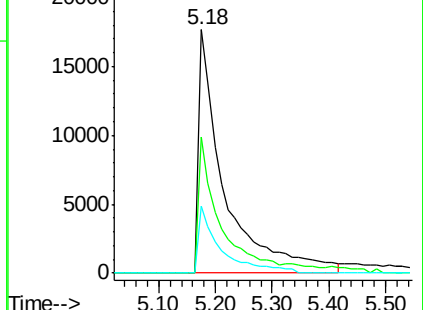
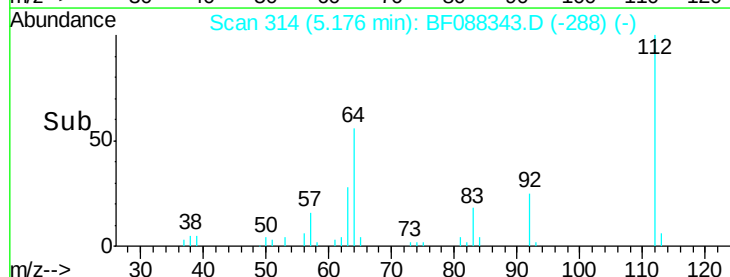
63 27.5 21.8 32.8

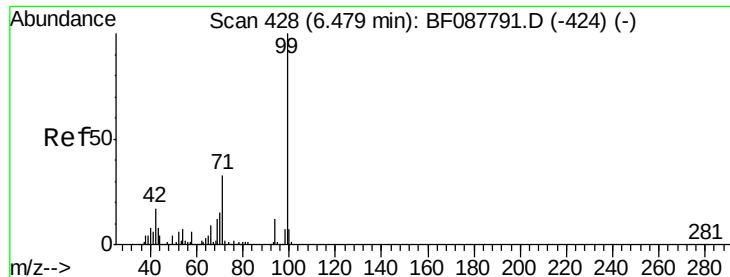


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 13.99 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088343.D

Acq: 24 Jun 2016 20:49

Instrument :

BNA_F

ClientSampleId :

Q8-B3(0-8)C

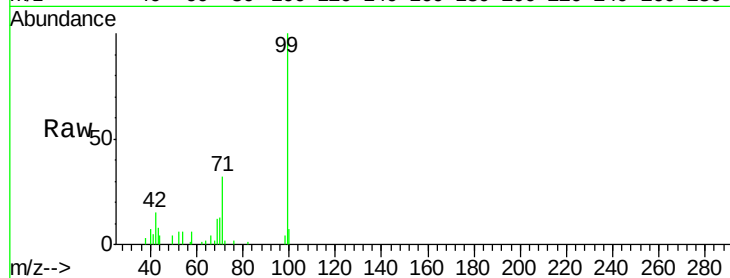
Tgt Ion: 99 Resp: 80556

Ion Ratio Lower Upper

99 100

42 15.1 12.2 18.2

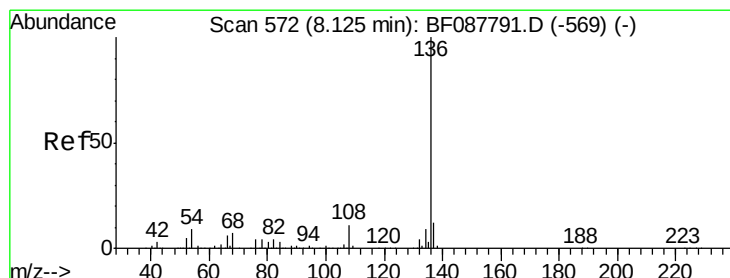
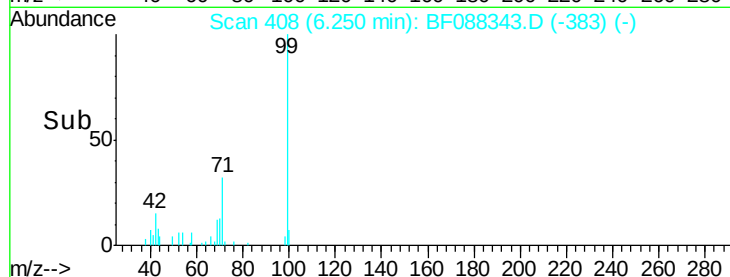
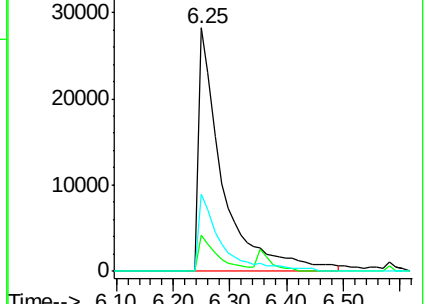
71 31.6 23.4 35.0



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.87 min Scan# 550

Delta R.T. -0.02 min

Lab File: BF088343.D

Acq: 24 Jun 2016 20:49

Tgt Ion: 136 Resp: 328769

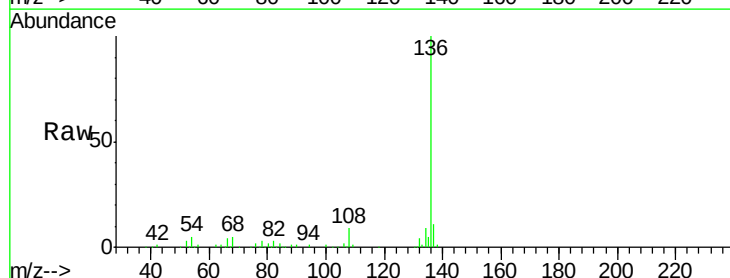
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.0 6.6 10.0#

68 4.5 5.1 7.7#

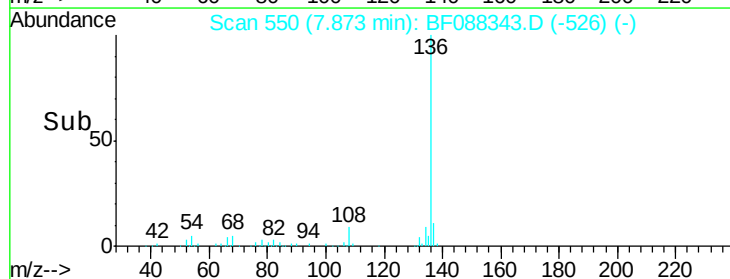
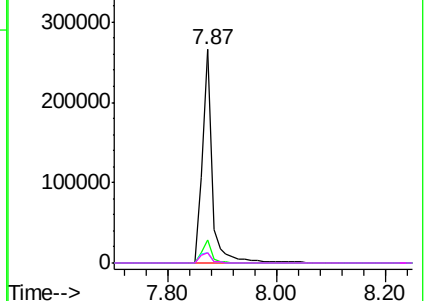


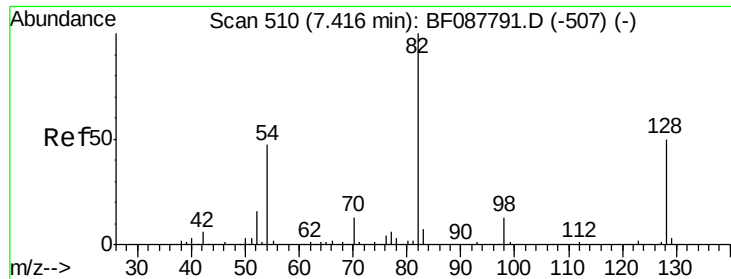
Abundance Ion 136.00 (135.70 to 136.70): E

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

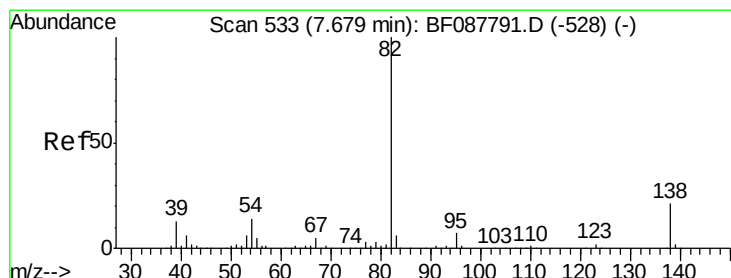
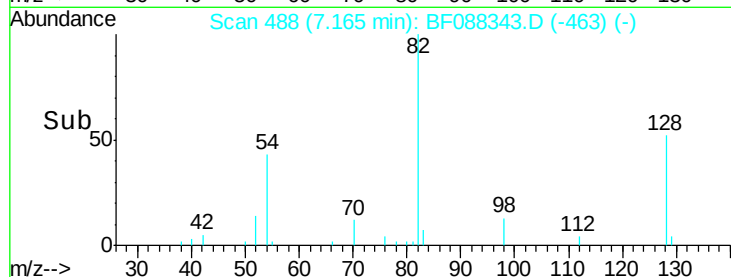
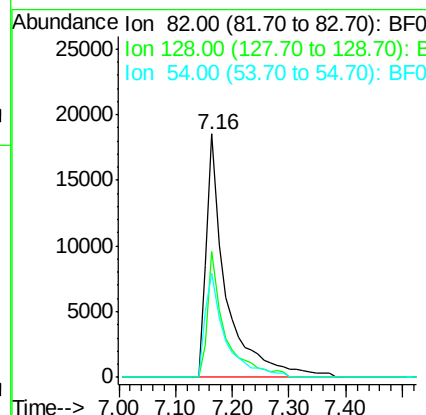
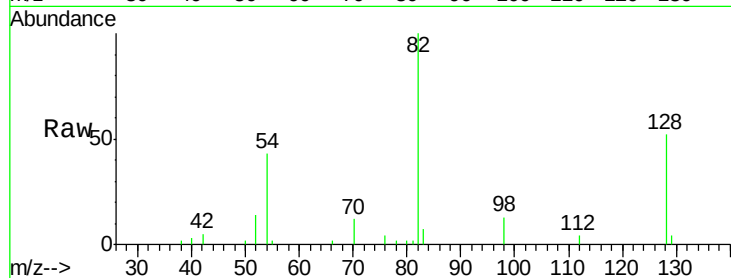




#23
 Nitrobenzene-d5
 Concen: 7.80 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF088343.D
 Acq: 24 Jun 2016 20:49

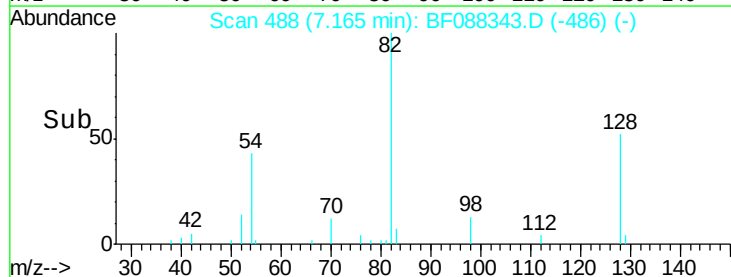
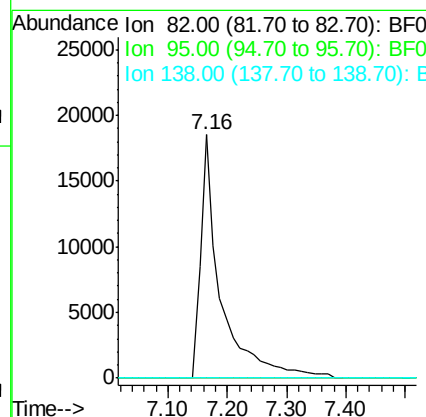
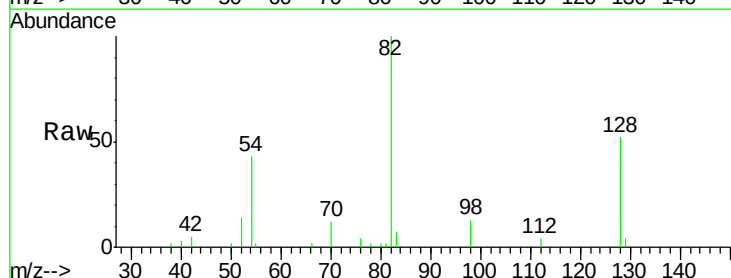
Instrument :
 BNA_F
 ClientSampleId :
 Q8-B3(0-8)C

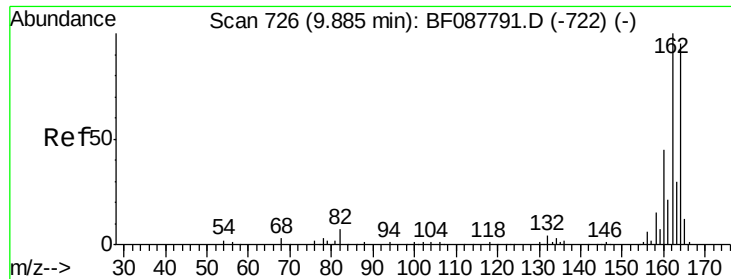
Tgt Ion	Ratio	Lower	Upper
82	100		
128	51.9	35.9	53.9
54	42.7	40.9	61.3



#25
 Isophorone
 Concen: 4.21 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.27 min
 Lab File: BF088343.D
 Acq: 24 Jun 2016 20:49

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.2#
138	0.0	14.6	21.8#

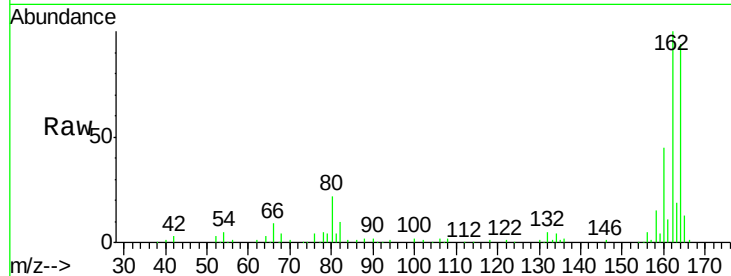




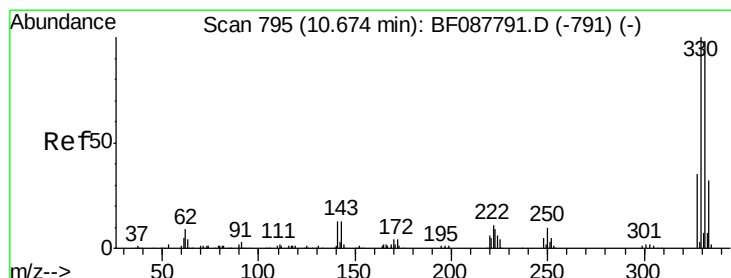
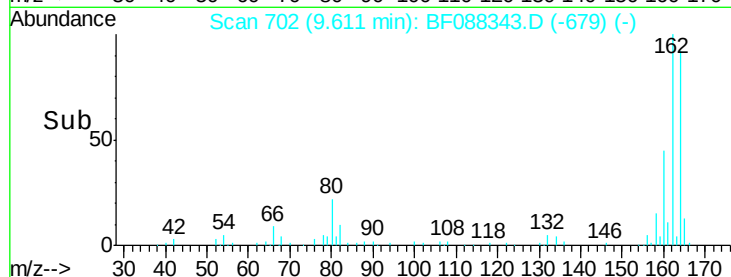
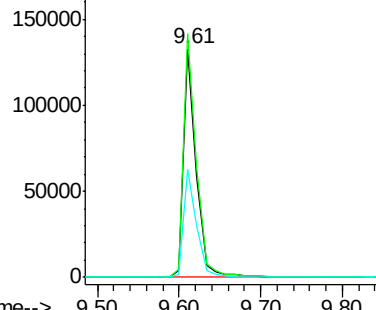
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.03 min
 Lab File: BF088343.D
 Acq: 24 Jun 2016 20:49

Instrument :
 BNA_F
 ClientSampleId :
 Q8-B3(0-8)C

Tgt Ion:164 Resp: 145116
 Ion Ratio Lower Upper
 164 100
 162 106.6 85.4 128.2
 160 47.5 39.5 59.3

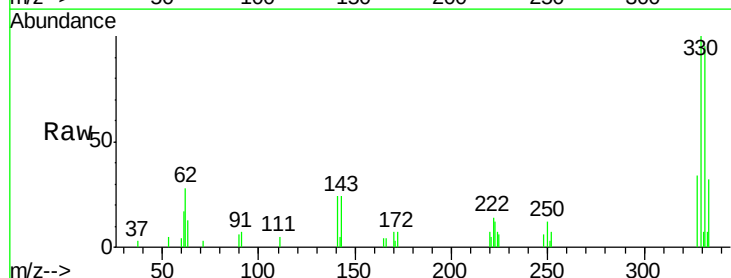


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

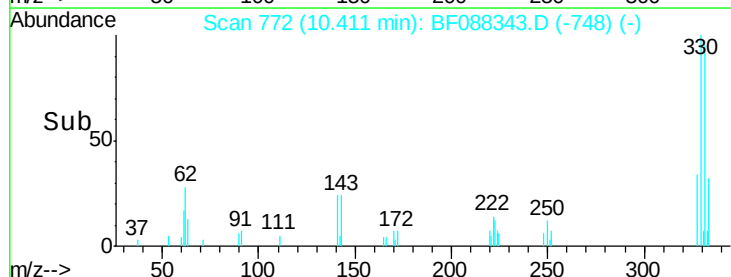
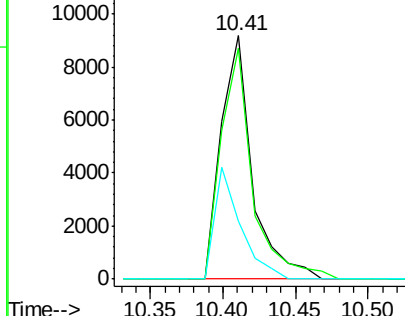


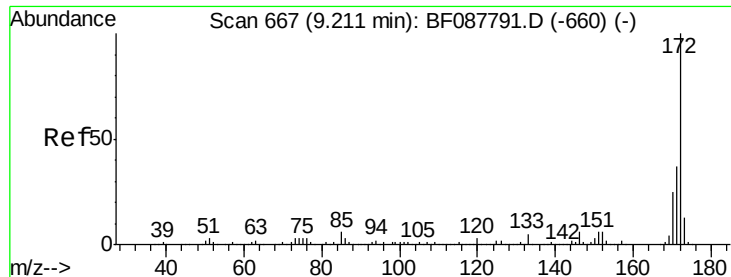
#41
 2,4,6-Tribromophenol
 Concen: 8.92 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF088343.D
 Acq: 24 Jun 2016 20:49

Tgt Ion:330 Resp: 13671
 Ion Ratio Lower Upper
 330 100
 332 96.0 0.0 0.0#
 141 38.1 0.0 0.0#



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

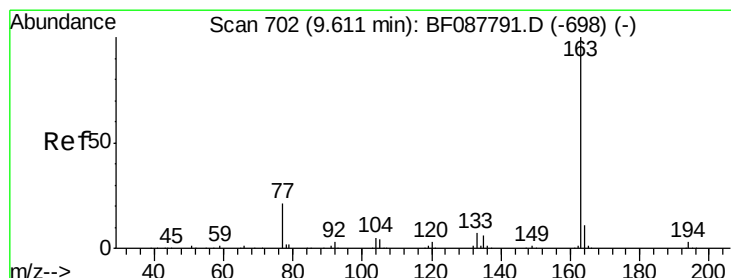
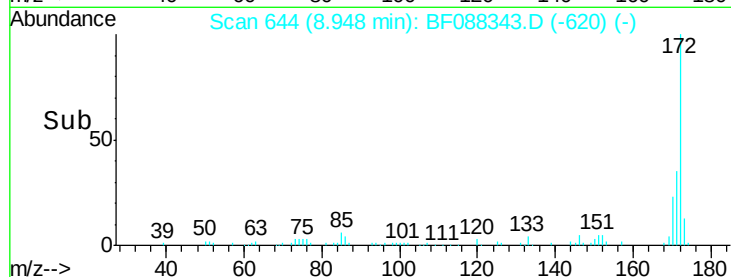
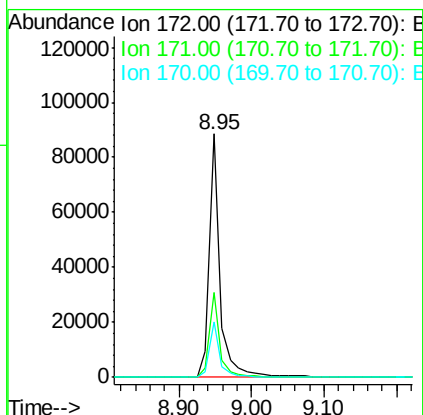
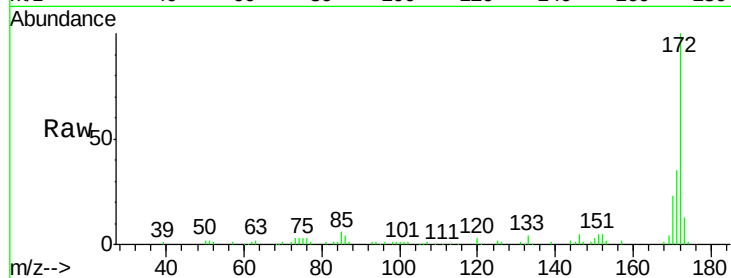




#44
 2-Fluorobiphenyl
 Concen: 4.68 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF088343.D
 Acq: 24 Jun 2016 20:49

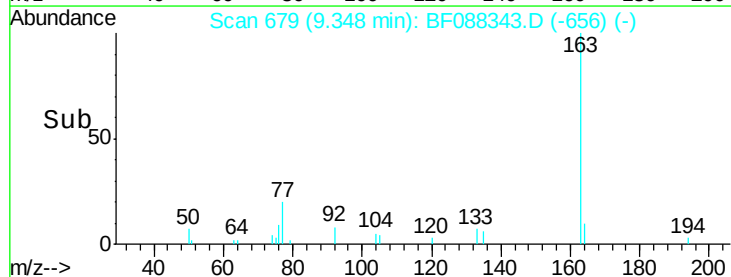
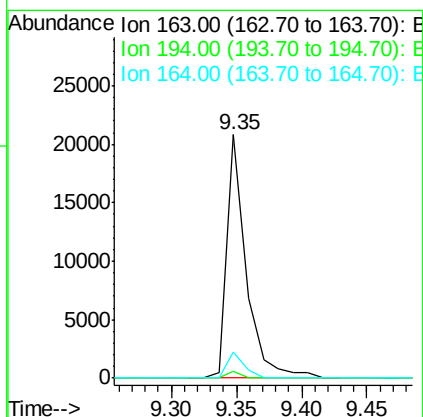
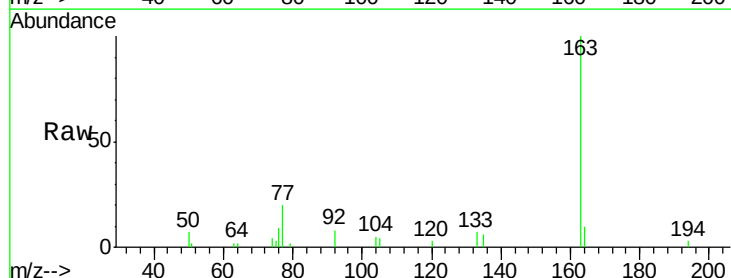
Instrument :
 BNA_F
 ClientSampleId :
 Q8-B3(0-8)C

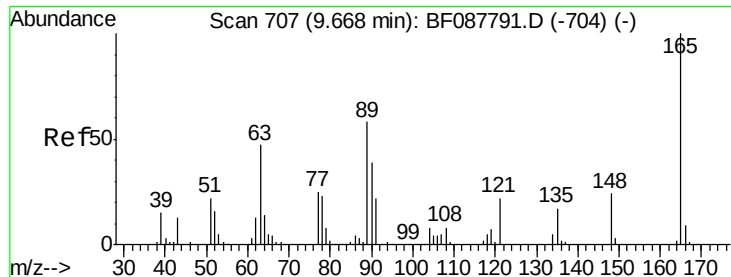
Tgt Ion:172 Resp: 91597
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.6 43.0
 170 22.7 19.2 28.8



#49
 Dimethylphthalate
 Concen: 2.05 ng
 RT: 9.35 min Scan# 679
 Delta R.T. -0.03 min
 Lab File: BF088343.D
 Acq: 24 Jun 2016 20:49

Tgt Ion:163 Resp: 21546
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.8 4.2
 164 10.5 8.3 12.5

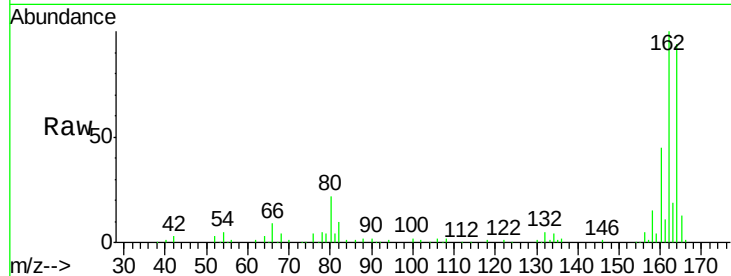




#50
 2,6-Dinitrotoluene
 Concen: 7.57 ng
 RT: 9.61 min Scan# 702
 Delta R.T. 0.16 min
 Lab File: BF088343.D
 Acq: 24 Jun 2016 20:49

Instrument :
 BNA_F
 ClientSampleId :
 Q8-B3(0-8)C

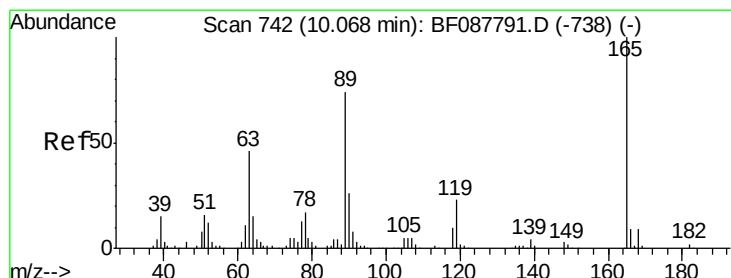
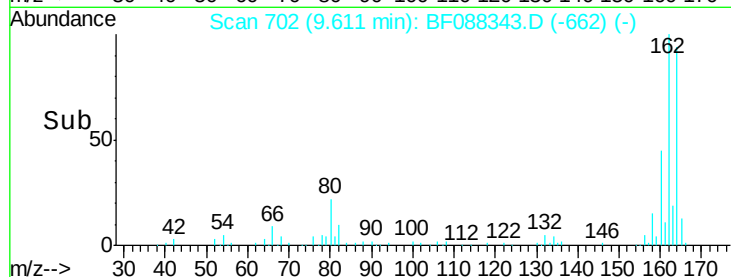
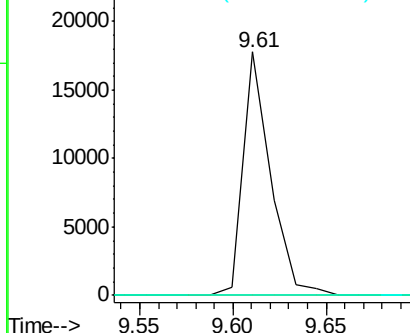
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



Abundance Ion 165.00 (164.70 to 165.70): E

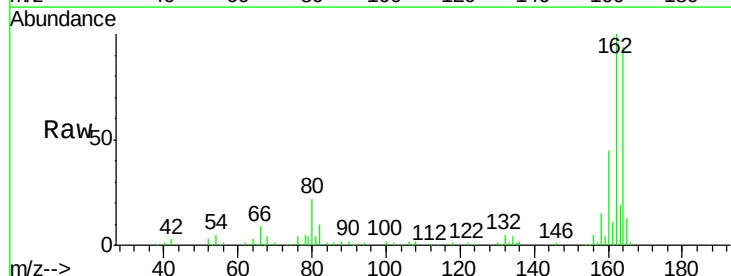
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 5.89 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.24 min
 Lab File: BF088343.D
 Acq: 24 Jun 2016 20:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

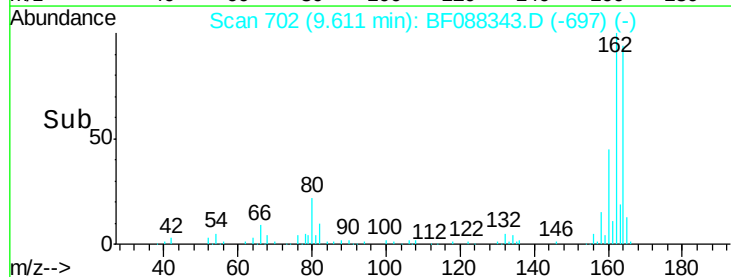
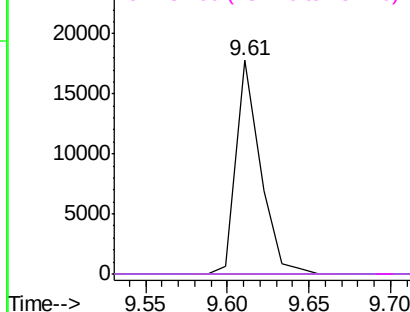


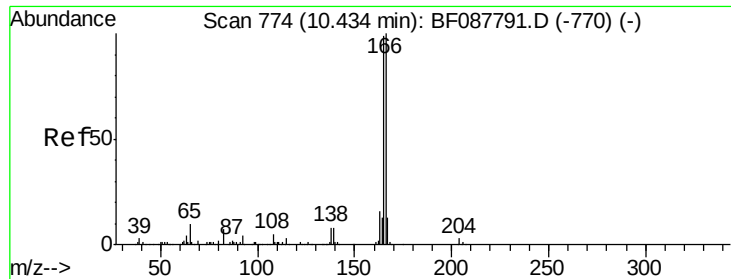
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: Below Cal

RT: 10.40 min Scan# 771

Delta R.T. 0.21 min

Lab File: BF088343.D

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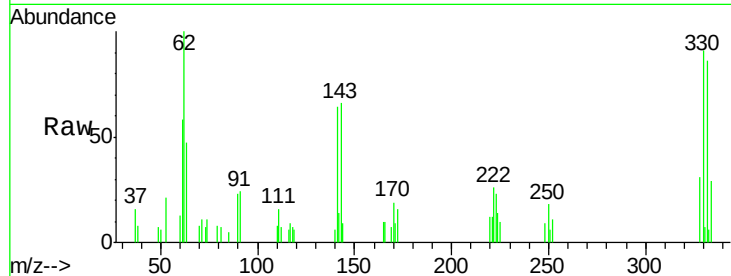
Tgt Ion:166 Resp: 655

Ion Ratio Lower Upper

166 100

165 104.9 77.8 116.8

167 0.0 11.2 16.8#



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

10.40

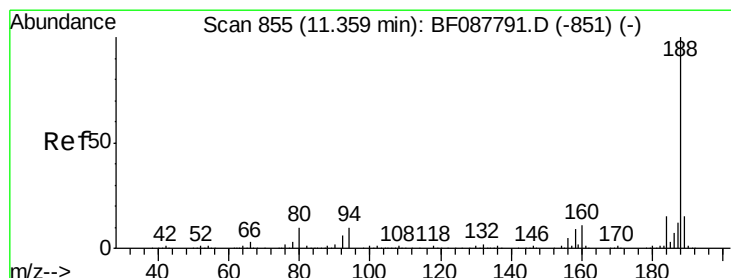
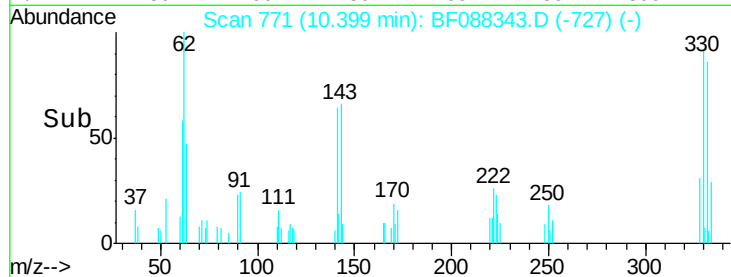
600

400

200

0

Time--> 10.36 10.38 10.40 10.42



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.09 min Scan# 831

Delta R.T. -0.03 min

Lab File: BF088343.D

Acq: 24 Jun 2016 20:49

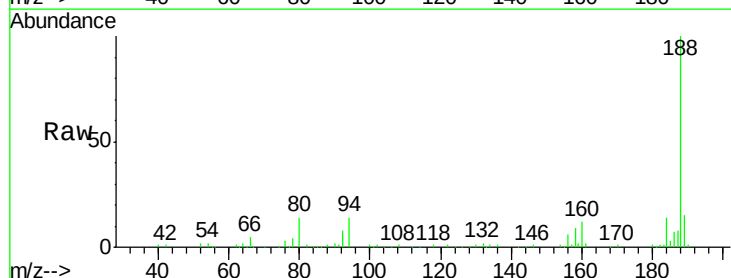
Tgt Ion:188 Resp: 234784

Ion Ratio Lower Upper

188 100

94 13.5 9.0 13.6

80 14.2 10.0 15.0



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

11.09

200000

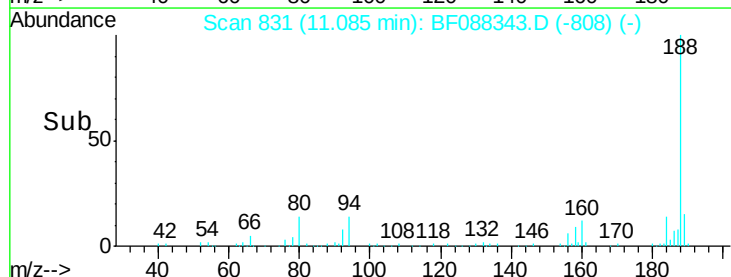
150000

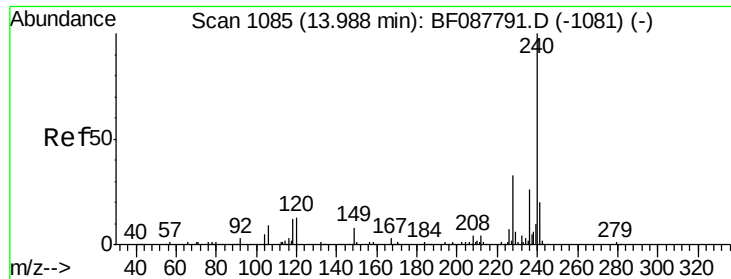
100000

50000

0

Time--> 11.00 11.10 11.20





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BF088343.D

Acq: 24 Jun 2016 20:49

Instrument :

BNA_F

ClientSampleId :

Q8-B3(0-8)C

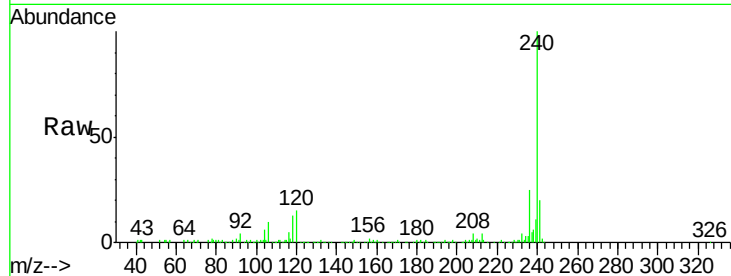
Tgt Ion:240 Resp: 181571

Ion Ratio Lower Upper

240 100

120 15.2 6.8 10.2#

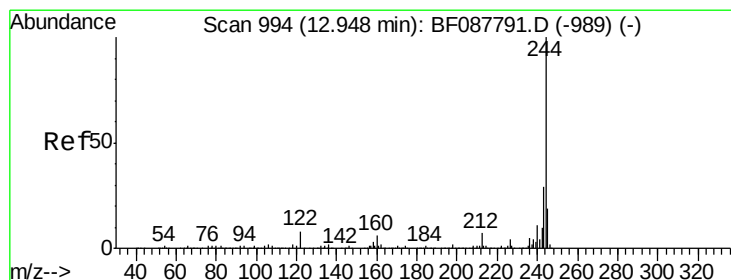
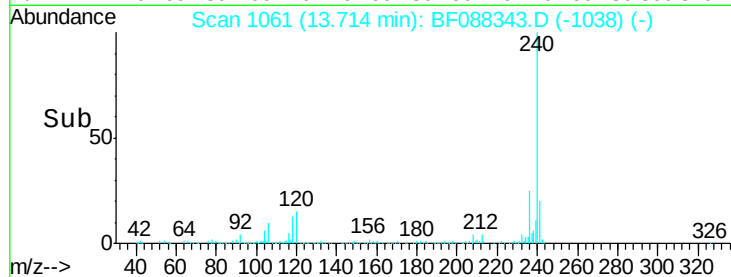
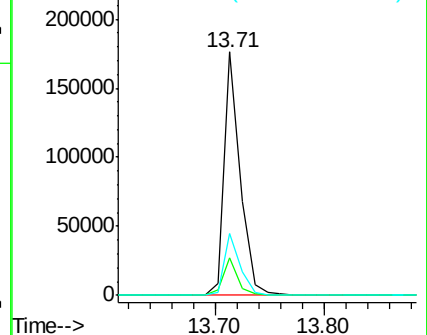
236 25.5 20.2 30.2



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: 6.24 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.02 min

Lab File: BF088343.D

Acq: 24 Jun 2016 20:49

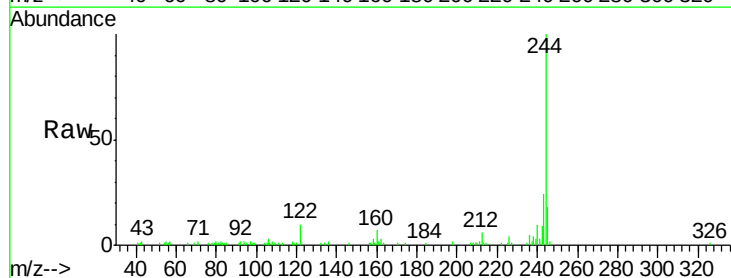
Tgt Ion:244 Resp: 49825

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

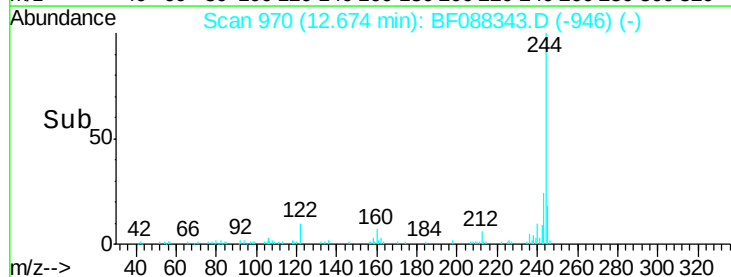
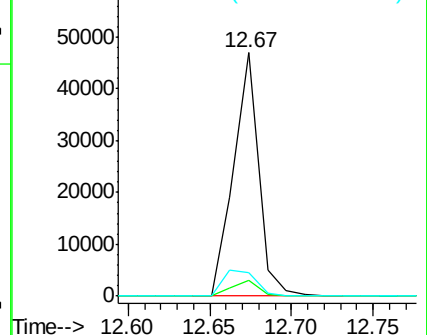
122 9.6 11.2 16.8#

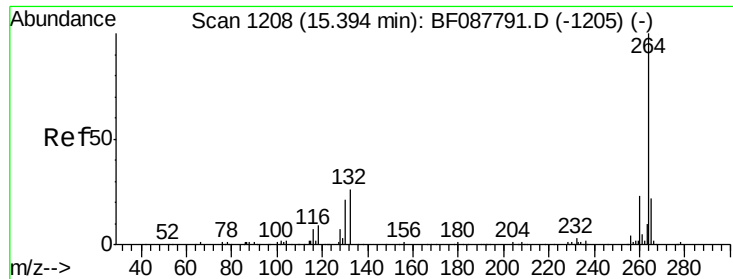


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

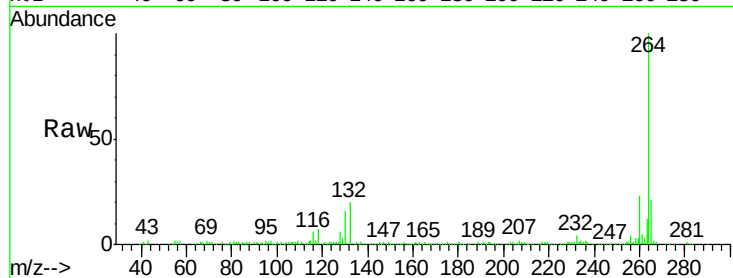




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.07 min Scan# 1180
Delta R.T. -0.03 min
Lab File: BF088343.D
Acq: 24 Jun 2016 20:49

Instrument :
BNA_F
ClientSampleId :
Q8-B3(0-8)C

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.4	16.9	25.3



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

