

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052416\
 Data File : BF087362.D
 Acq On : 25 May 2016 4:44
 Operator : UM/SJ
 Sample : H3211-16
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TA-1294-(0-4)

Quant Time: May 25 05:19:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 00:58:25 2016
 Response via : Initial Calibration

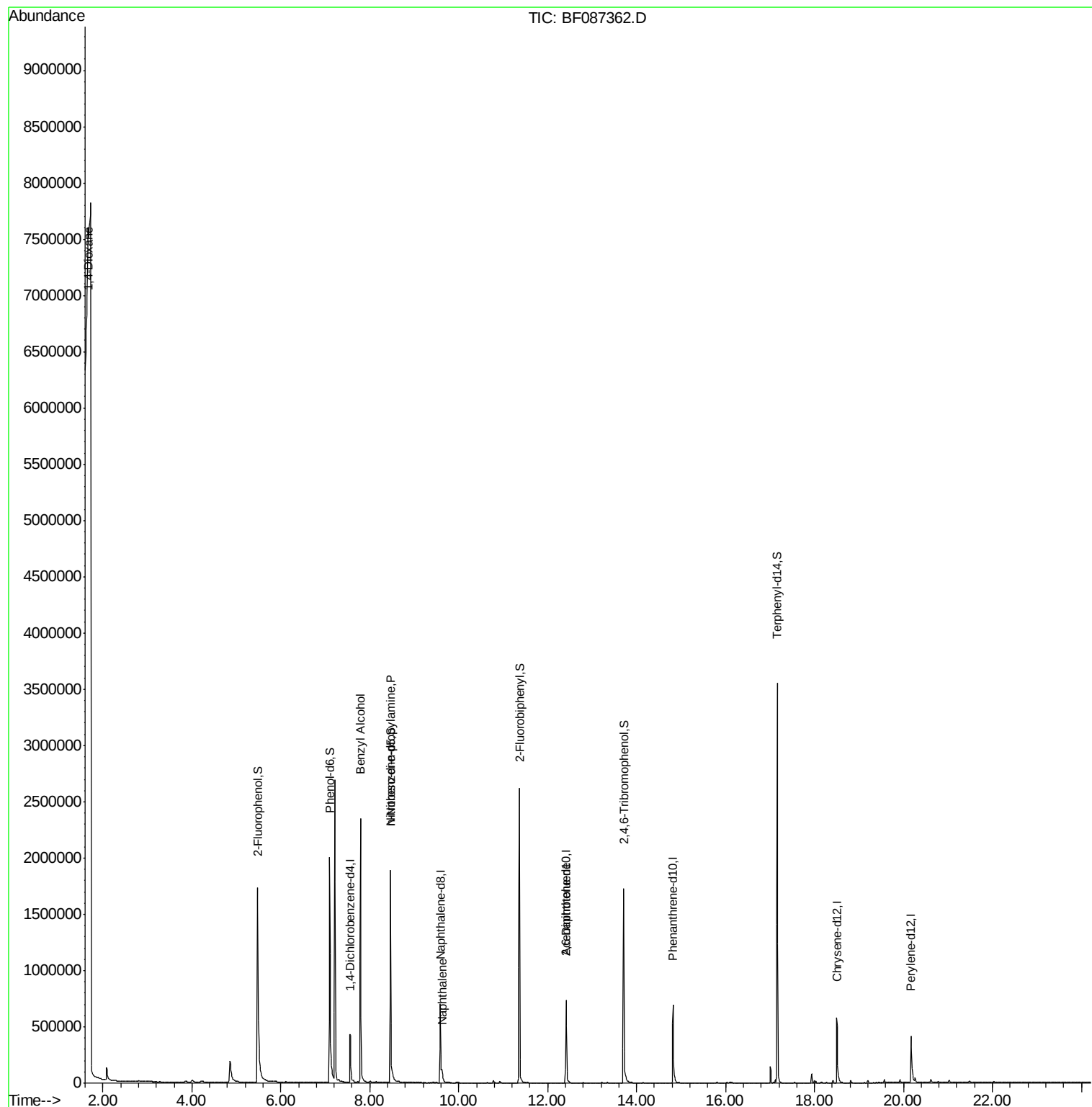
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	110622	20.00	ng	0.00
21) Naphthalene-d8	9.59	136	442985	20.00	ng	-0.01
38) Acenaphthene-d10	12.41	164	212292	20.00	ng	-0.01
63) Phenanthrene-d10	14.82	188	425975	20.00	ng	0.00
75) Chrysene-d12	18.51	240	352054	20.00	ng	0.00
86) Perylene-d12	20.17	264	260205	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	847937	134.69	ng	0.02
7) Phenol-d6	7.10	99	1005659	118.22	ng	-0.01
23) Nitrobenzene-d5	8.47	82	815096	92.73	ng	-0.02
41) 2,4,6-Tribromophenol	13.71	330	318136	155.94	ng	-0.01
44) 2-Fluorobiphenyl	11.37	172	1413695	93.88	ng	-0.01
78) Terphenyl-d14	17.17	244	1362636	82.29	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	1.67	88	28718	8.65	ng	# 22
15) Benzyl Alcohol	7.79	79	14439	2.33	ng	# 44
19) n-Nitroso-di-n-propylamine	8.47	70	110072	17.35	ng	# 74
31) Naphthalene	9.62	128	85131	3.84	ng	99
50) 2,6-Dinitrotoluene	12.41	165	24925	7.27	ng	# 20

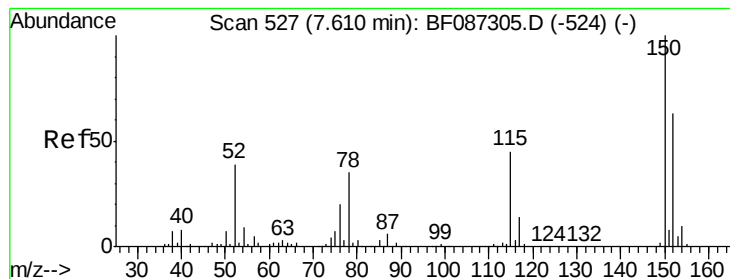
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 523

Delta R.T. -0.00 min

Lab File: BF087362.D

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Instrument :

BNA_F

ClientSampleId :

TA-1294-(0-4)

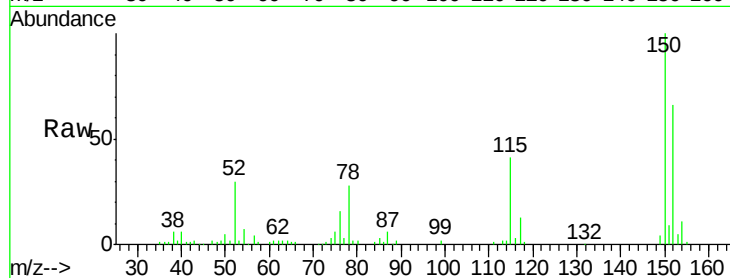
Tgt Ion:152 Resp: 110622

Ion Ratio Lower Upper

152 100

150 151.7 125.8 188.6

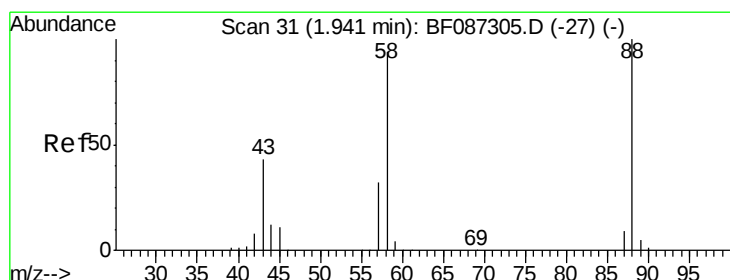
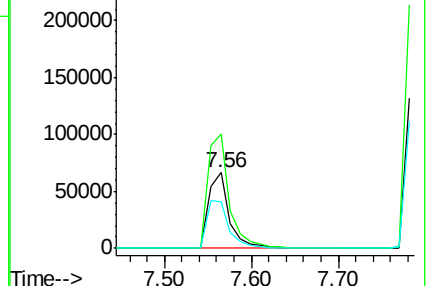
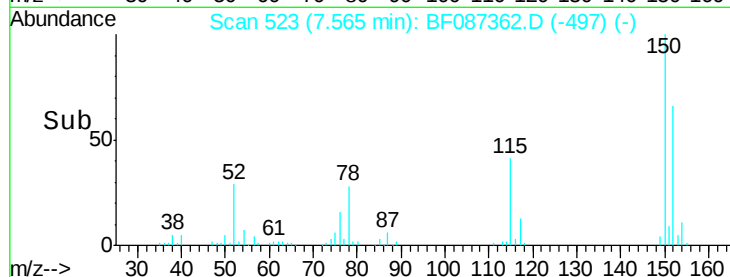
115 61.8 51.5 77.3



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



#2

1,4-Dioxane

Concen: 8.65 ng

RT: 1.67 min Scan# 7

Delta R.T. -0.19 min

Lab File: BF087362.D

Acq: 25 May 2016 4:44

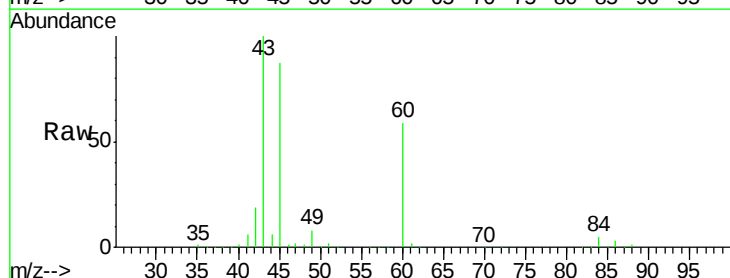
Tgt Ion: 88 Resp: 28718

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

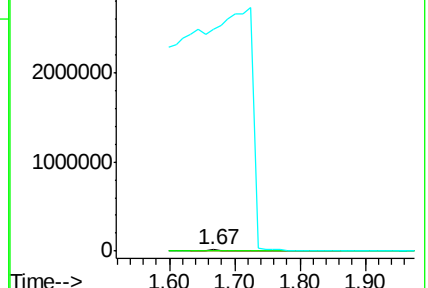
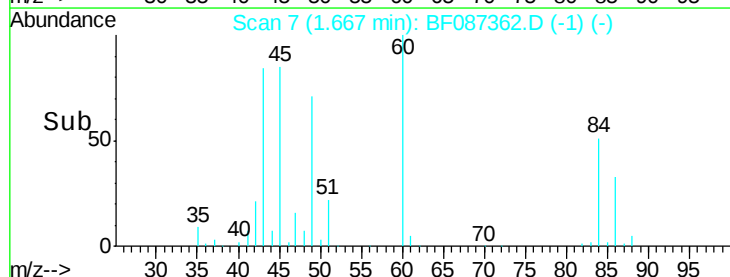
43 0.0 21.8 32.6#

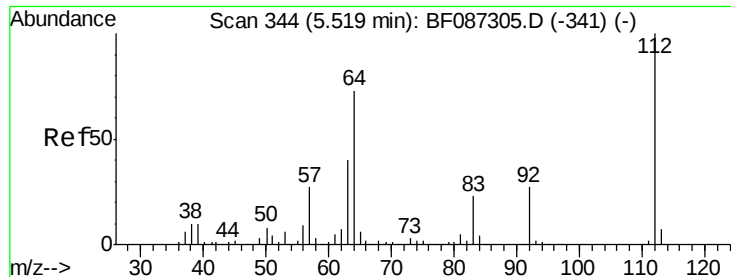


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 134.69 ng

RT: 5.48 min Scan# 341

Delta R.T. 0.02 min

Lab File: BF087362.D

Acq: 25 May 2016 4:44

Instrument :

BNA_F

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TA-1294-(0-4)

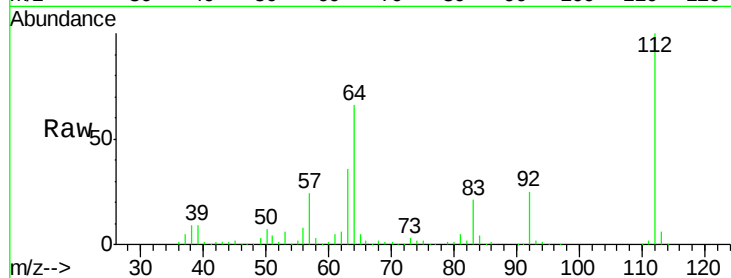
Tgt Ion: 112 Resp: 847937

Ion Ratio Lower Upper

112 100

64 65.5 52.1 78.1

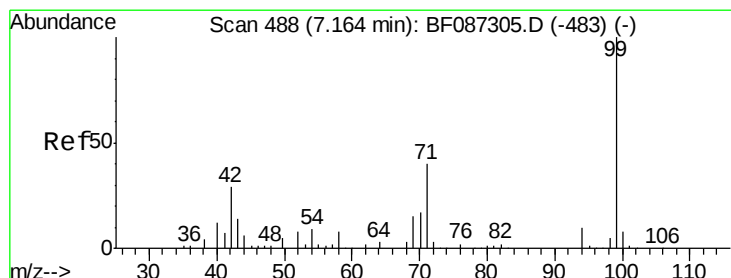
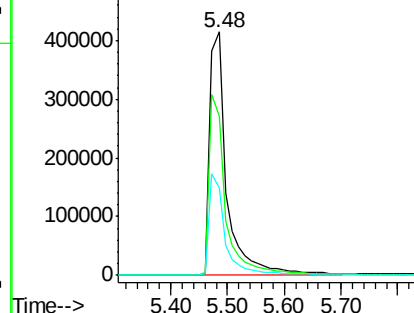
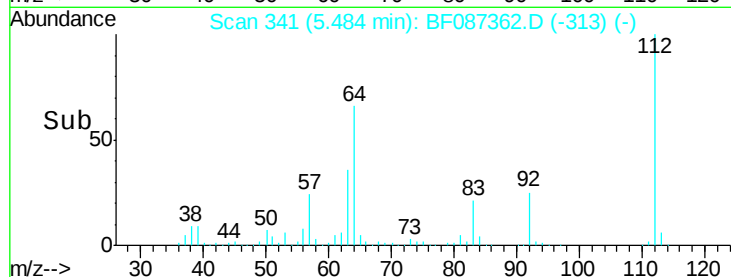
63 35.7 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 118.22 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF087362.D

Acq: 25 May 2016 4:44

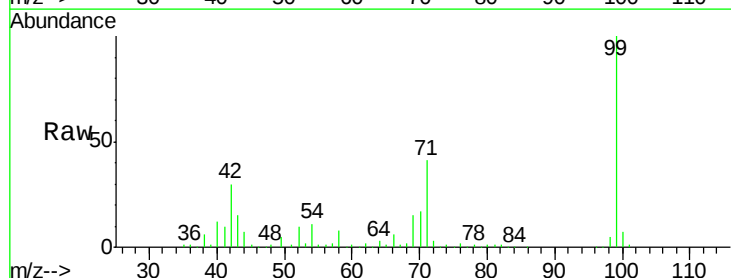
Tgt Ion: 99 Resp: 1005659

Ion Ratio Lower Upper

99 100

42 30.3 13.6 20.4#

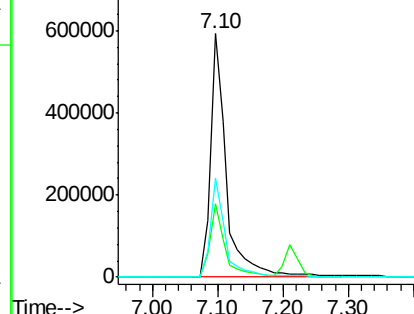
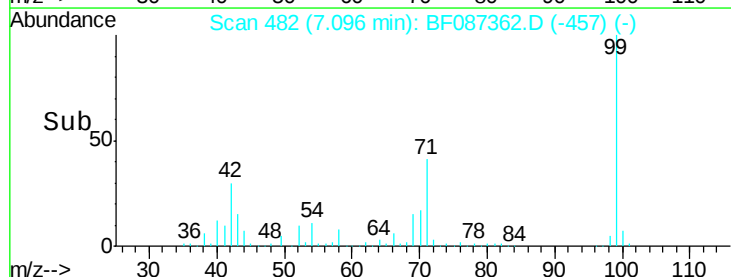
71 40.6 24.6 36.8#

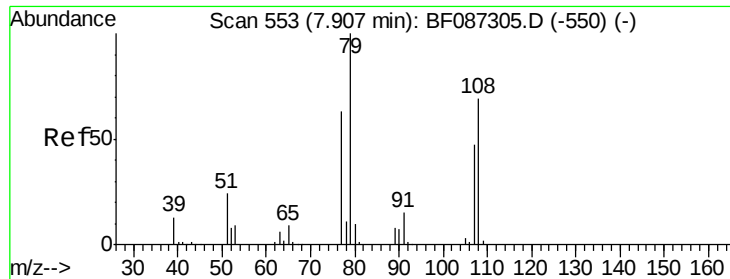


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.33 ng

RT: 7.79 min Scan# 543

Delta R.T. -0.07 min

Lab File: BF087362.D

Acq: 25 May 2016 4:44

Instrument :

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ClientSampleId :

TA-1294-(0-4)

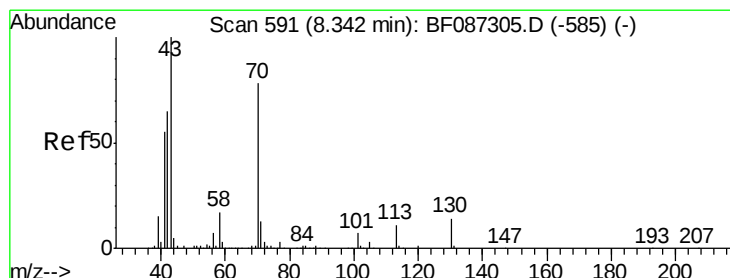
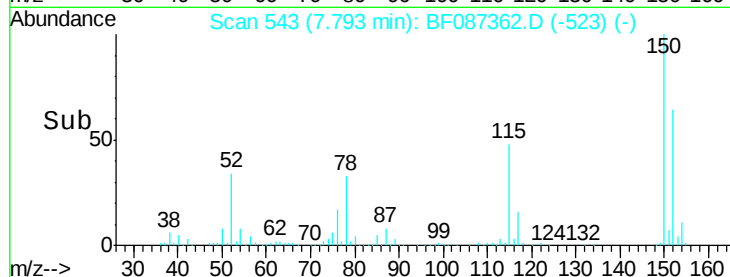
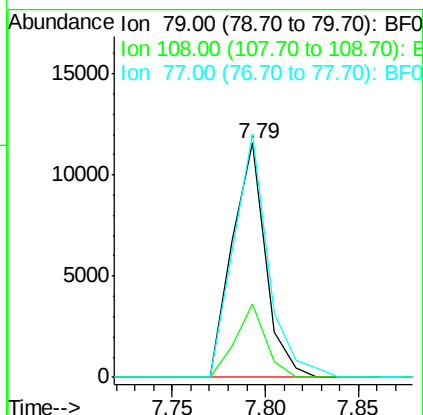
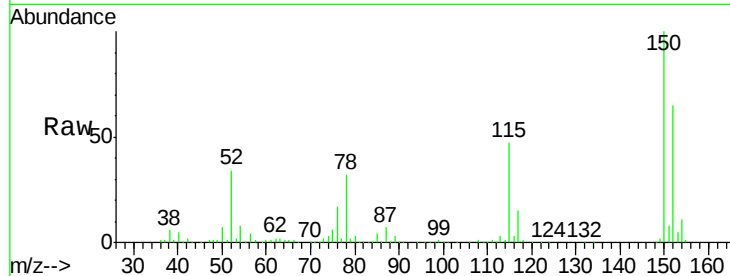
Tgt Ion: 79 Resp: 14439

Ion Ratio Lower Upper

79 100

108 31.4 68.4 102.6#

77 103.9 50.6 76.0#



#19

n-Nitroso-di-n-propylamine

Concen: 17.35 ng

RT: 8.47 min Scan# 602

Delta R.T. 0.18 min

Lab File: BF087362.D

Acq: 25 May 2016 4:44

Tgt Ion: 70 Resp: 110072

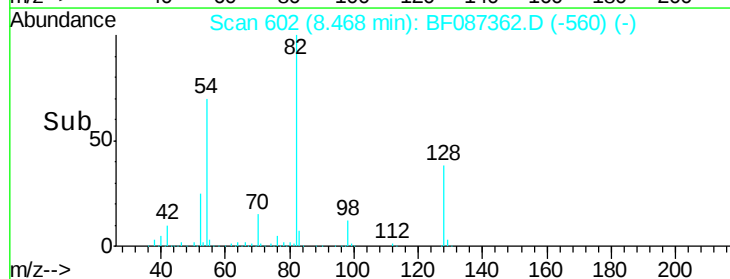
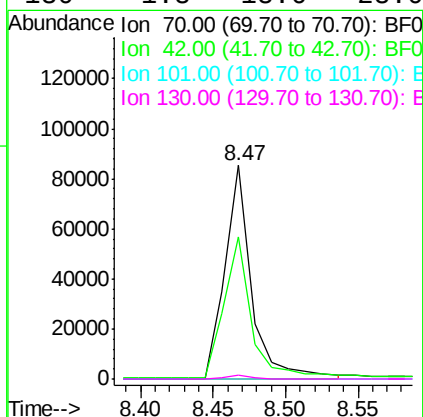
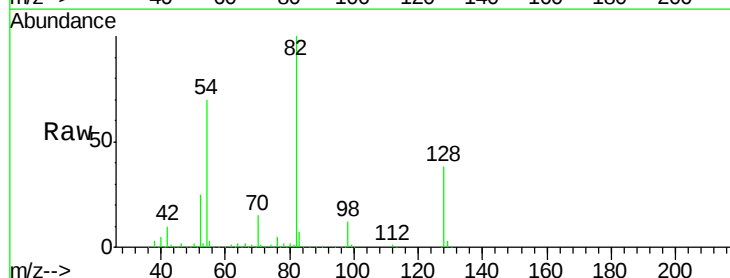
Ion Ratio Lower Upper

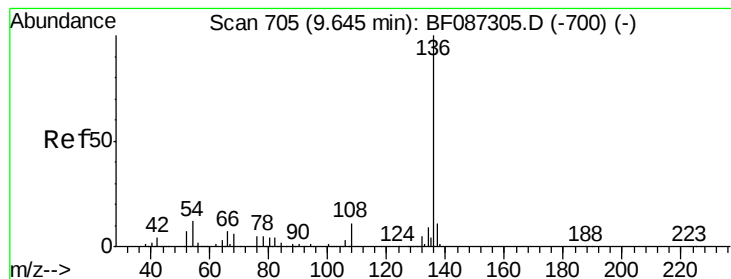
70 100

42 66.7 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.01 min

Lab File: BF087362.D

Acq: 25 May 2016 4:44

Instrument :

BNA_F

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TA-1294-(0-4)

Tgt Ion: 136 Resp: 442985

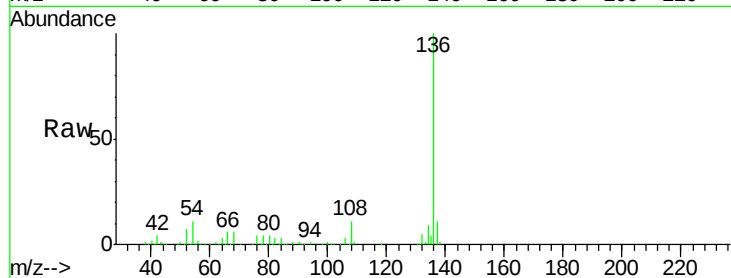
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 10.8 5.0 7.4#

68 5.6 4.4 6.6

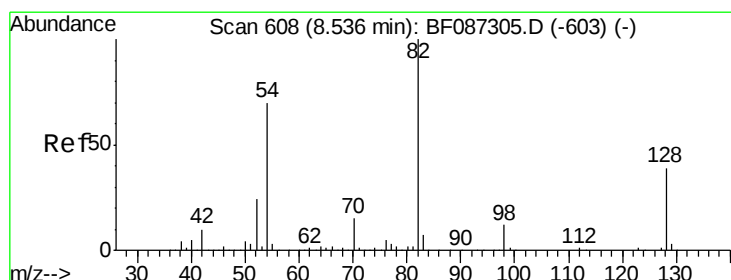
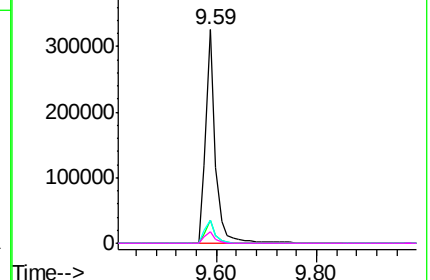
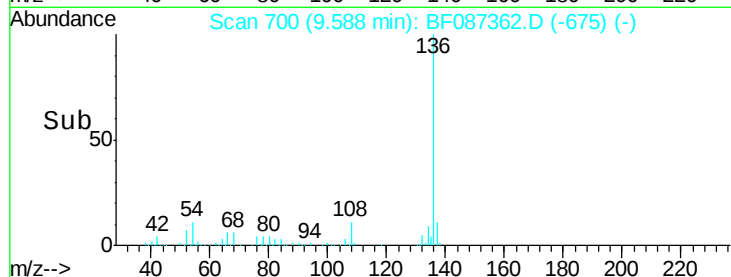


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.73 ng

RT: 8.47 min Scan# 602

Delta R.T. -0.02 min

Lab File: BF087362.D

Acq: 25 May 2016 4:44

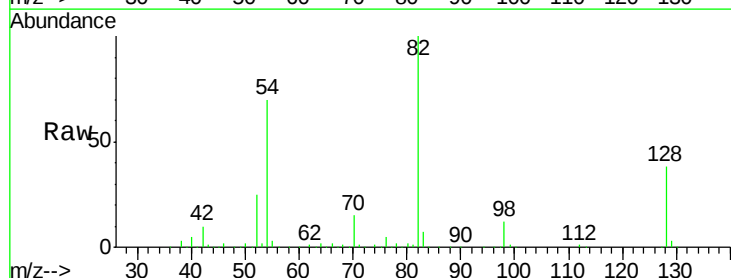
Tgt Ion: 82 Resp: 815096

Ion Ratio Lower Upper

82 100

128 37.9 40.6 61.0#

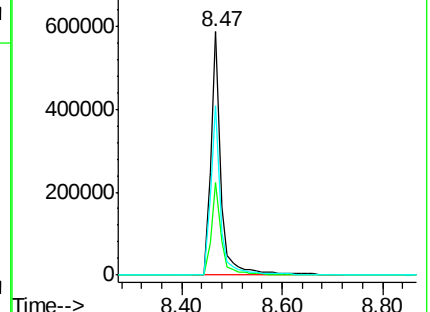
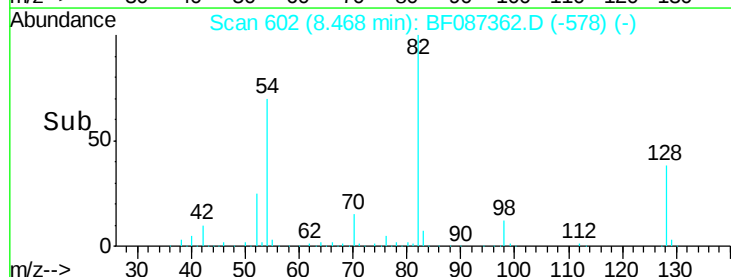
54 69.6 38.1 57.1#

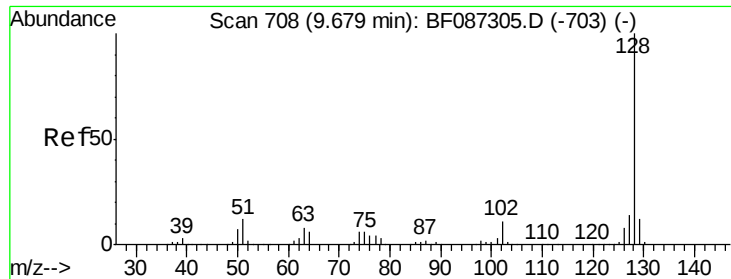


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

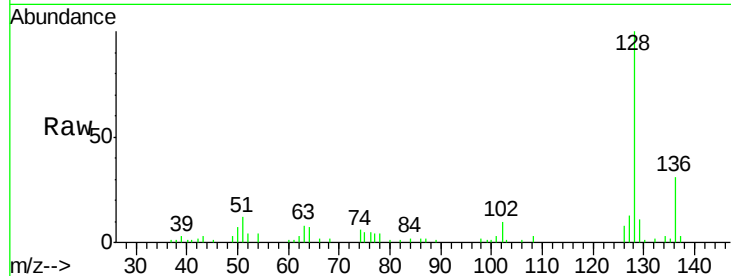




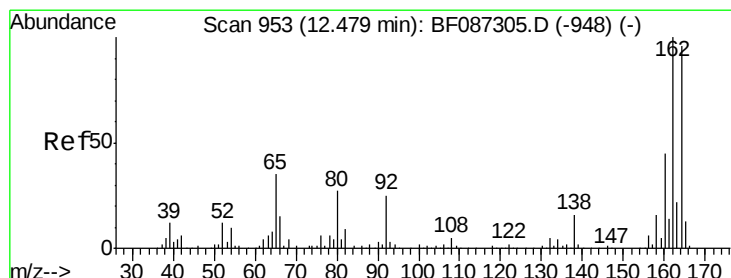
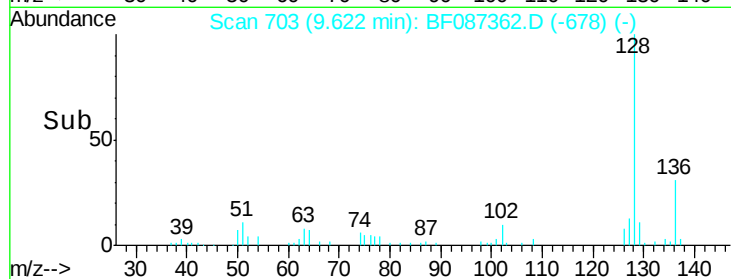
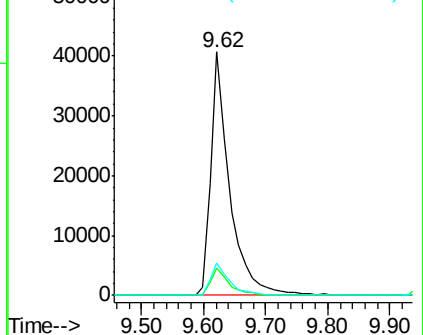
#31
Naphthalene
Concen: 3.84 ng
RT: 9.62 min Scan# 703
Delta R.T. -0.01 min
Lab File: BF087362.D
Acq: 25 May 2016 4:44

Instrument :
BNA_F
ClientSampleId :
TA-1294-(0-4)

Tgt Ion:128 Resp: 85131
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 13.3 10.8 16.2

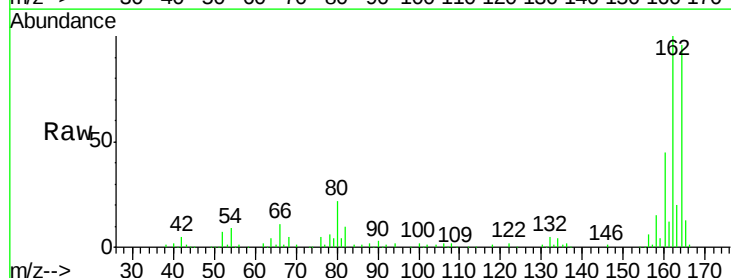


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

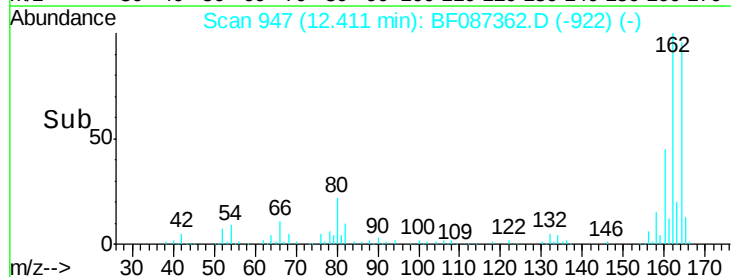
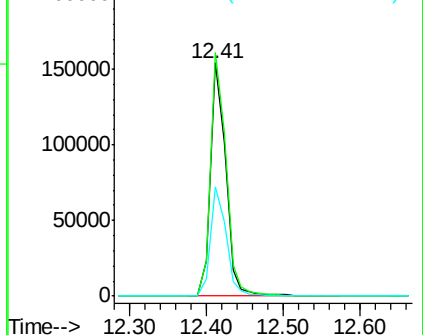


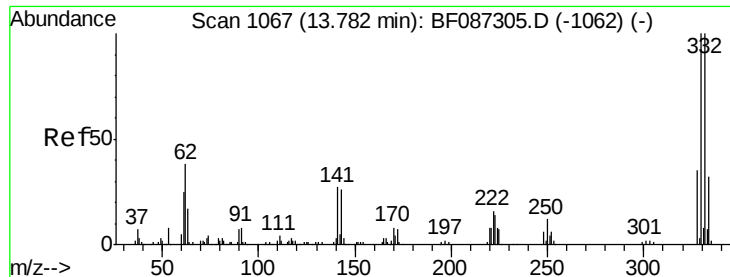
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.41 min Scan# 947
Delta R.T. -0.01 min
Lab File: BF087362.D
Acq: 25 May 2016 4:44

Tgt Ion:164 Resp: 212292
Ion Ratio Lower Upper
164 100
162 104.6 82.8 124.2
160 47.0 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

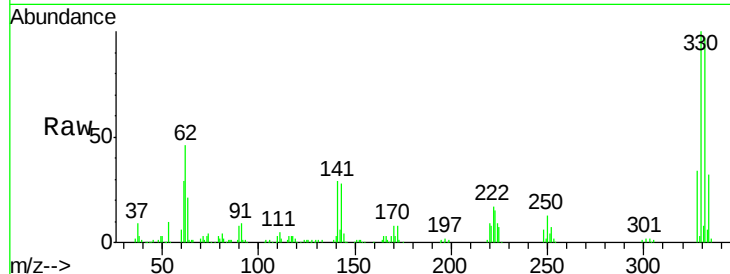




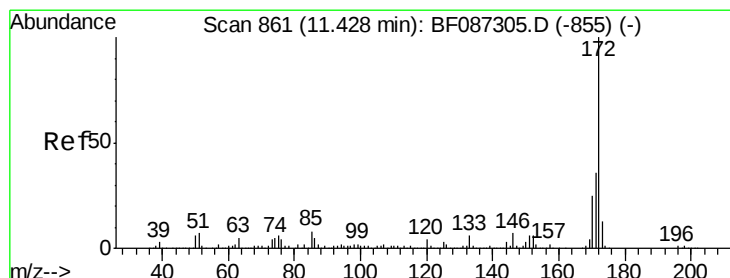
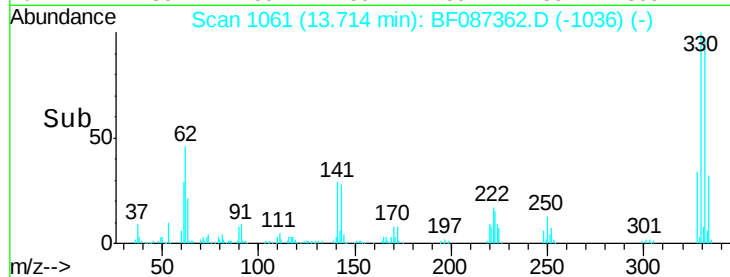
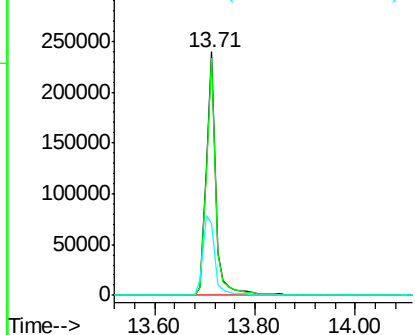
#41
 2,4,6-Tribromophenol
 Concen: 155.94 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: BF087362.D
 Acq: 25 May 2016 4:44

Instrument :
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Tgt Ion:330 Resp: 318136
 Ion Ratio Lower Upper
 330 100
 332 97.0 79.0 118.4
 141 41.9 31.2 46.8

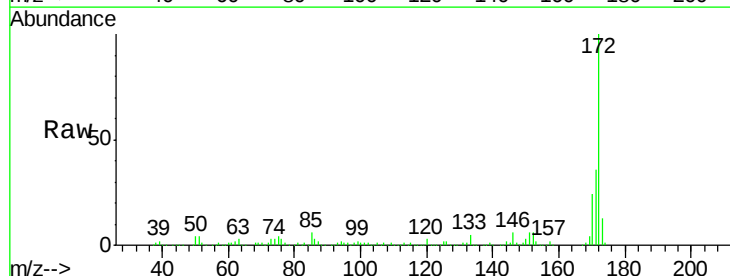


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

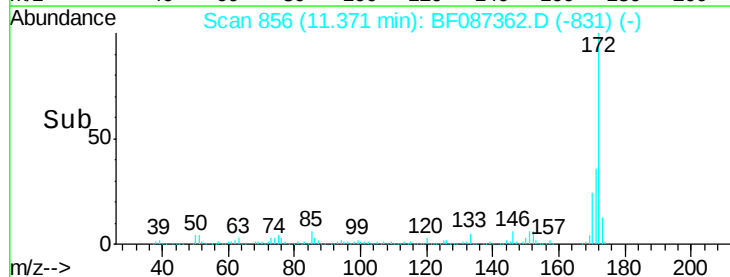
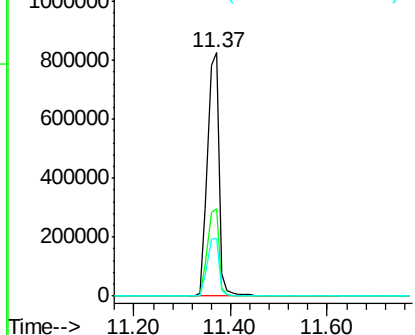


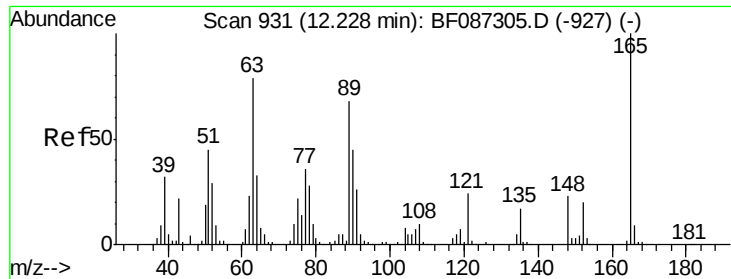
#44
 2-Fluorobiphenyl
 Concen: 93.88 ng
 RT: 11.37 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BF087362.D
 Acq: 25 May 2016 4:44

Tgt Ion:172 Resp: 1413695
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.0 43.6
 170 23.7 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

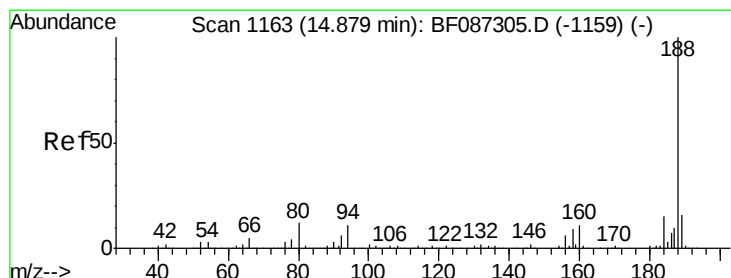
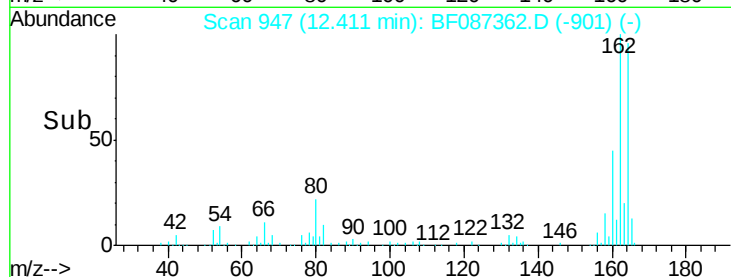
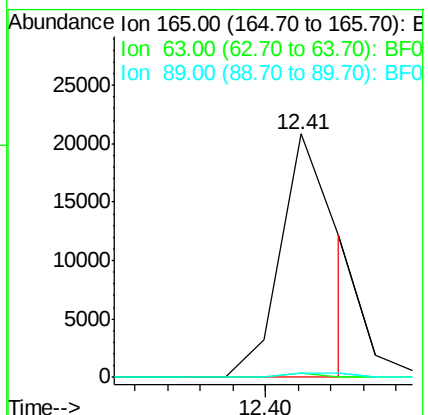
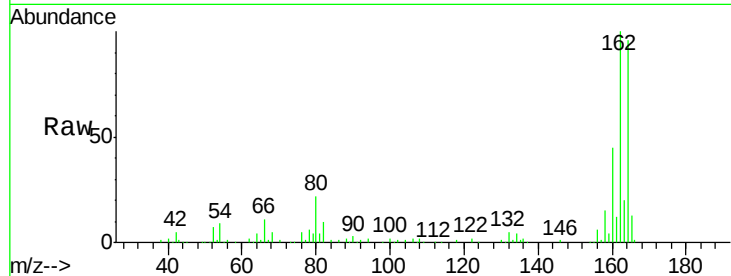




#50
 2,6-Dinitrotoluene
 Concen: 7.27 ng
 RT: 12.41 min Scan# 947
 Delta R.T. 0.23 min
 Lab File: BF087362.D
 Acq: 25 May 2016 4:44

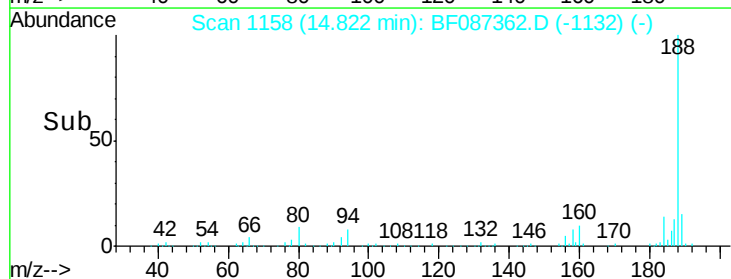
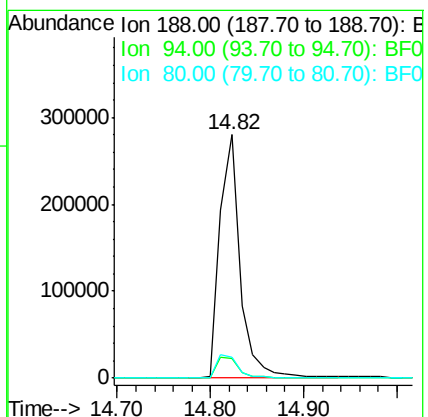
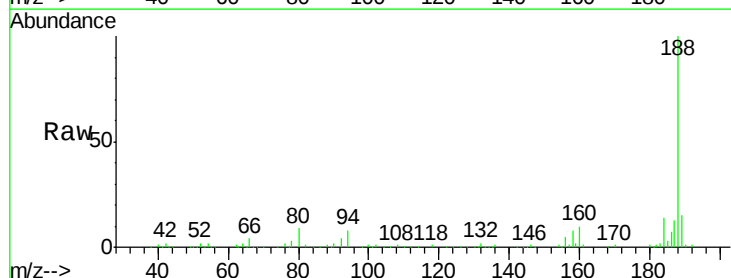
Instrument :
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 ClientSampleId :
 TA-1294-(0-4)

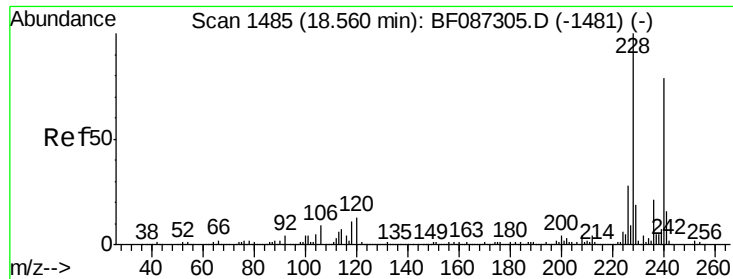
Tgt Ion:165 Resp: 24925
 Ion Ratio Lower Upper
 165 100
 63 1.5 51.8 77.8#
 89 1.6 50.7 76.1#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 1158
 Delta R.T. -0.00 min
 Lab File: BF087362.D
 Acq: 25 May 2016 4:44

Tgt Ion:188 Resp: 425975
 Ion Ratio Lower Upper
 188 100
 94 8.3 6.8 10.2
 80 8.7 7.1 10.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.51 min Scan# 1481

Delta R.T. -0.00 min

Lab File: BF087362.D

Acq: 25 May 2016 4:44

Instrument :

BNA_F

ClientSampleId :

TA-1294-(0-4)

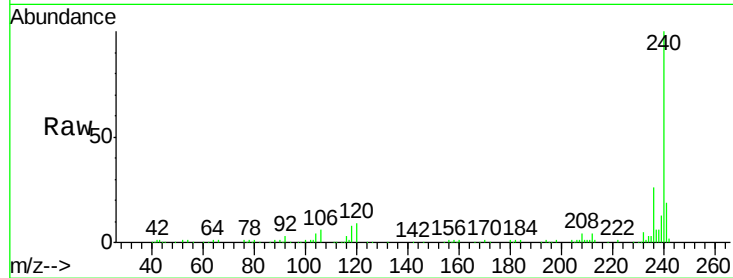
Tgt Ion:240 Resp: 352054

Ion Ratio Lower Upper

240 100

120 9.2 11.2 16.8#

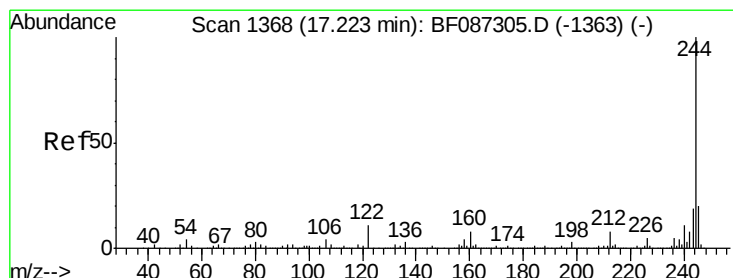
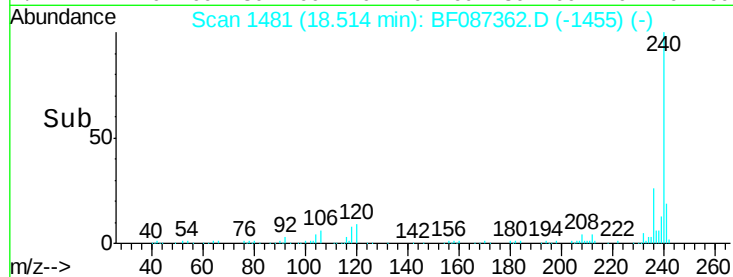
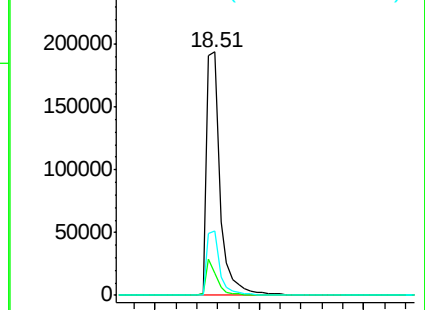
236 26.4 21.2 31.8



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



#78

Terphenyl-d14

Concen: 82.29 ng

RT: 17.17 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BF087362.D

Acq: 25 May 2016 4:44

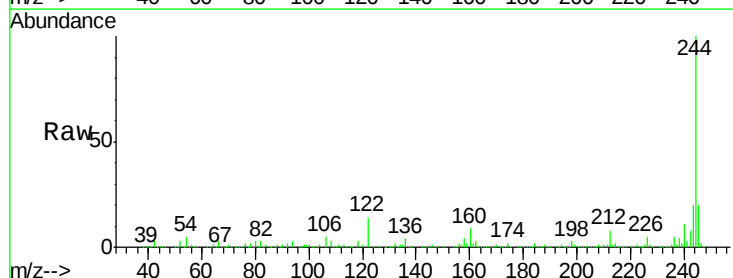
Tgt Ion:244 Resp: 1362636

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

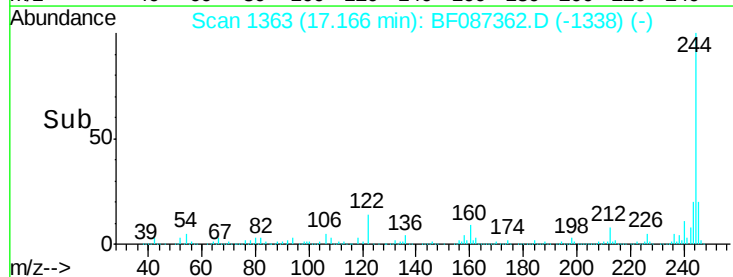
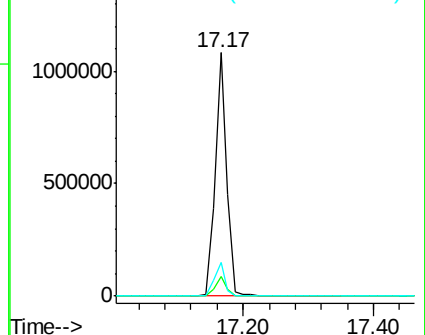
122 13.8 12.0 18.0

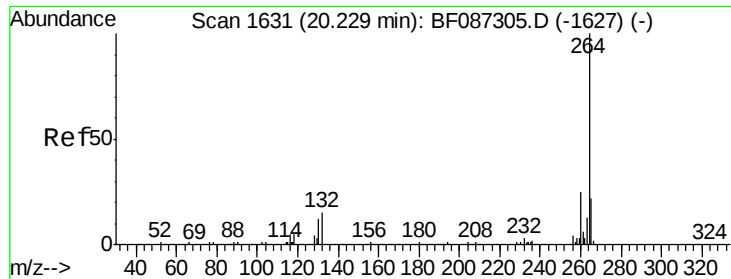


Abundance Ion 244.00 (243.70 to 244.70): E

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: 20.17 min Scan# 1626
Delta R.T. -0.01 min
Lab File: BF087362.D
Acq: 25 May 2016 4:44

Instrument :
BNA_F
ClientSampleId :
TA-1294-(0-4)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.1	17.3	25.9

