

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052416\
 Data File : BF087364.D
 Acq On : 25 May 2016 5:51
 Operator : UM/SJ
 Sample : H3191-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1685(0-4)

Quant Time: May 25 06:48:17 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

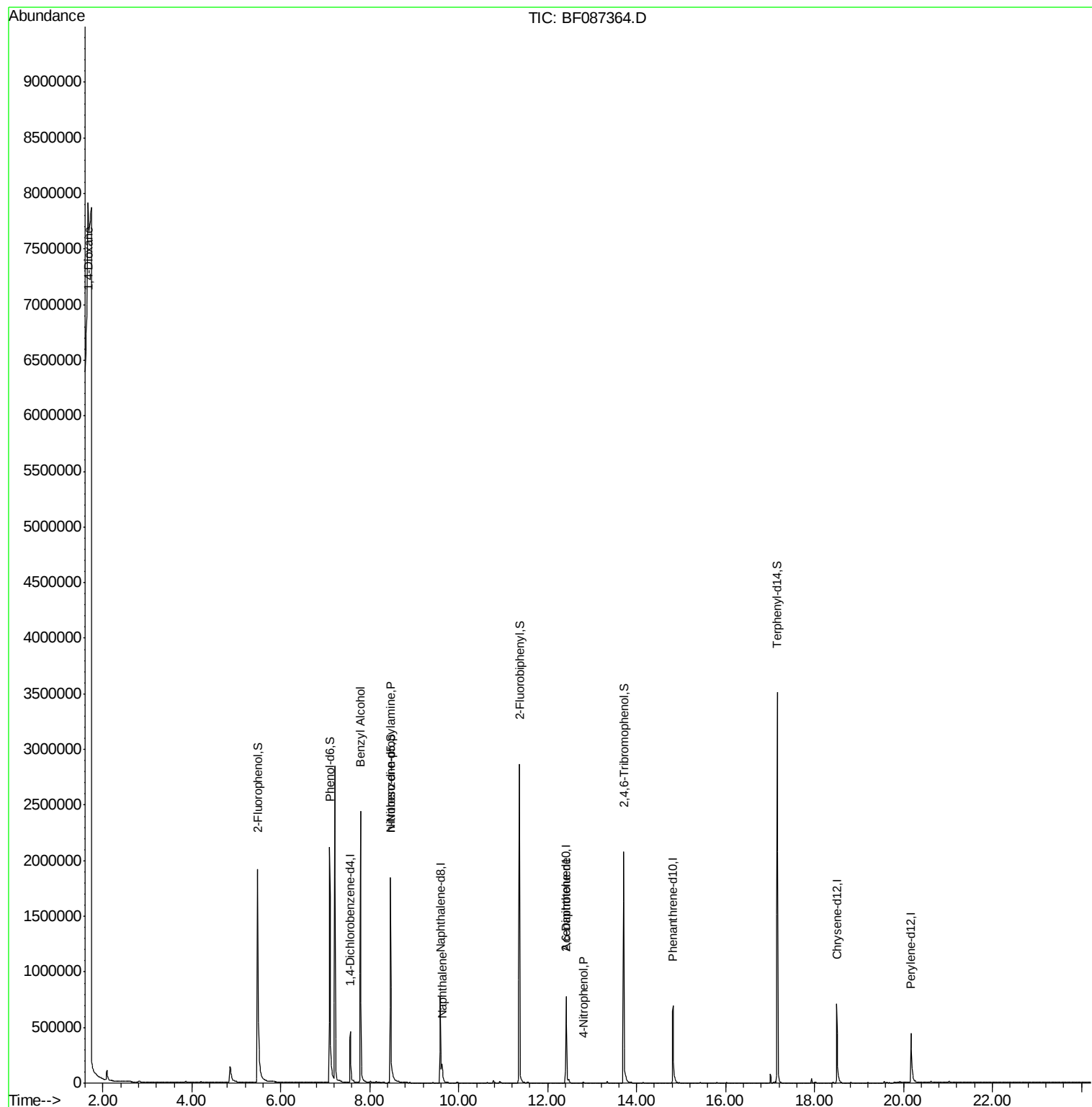
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	114749	20.00	ng	0.00
21) Naphthalene-d8	9.59	136	459482	20.00	ng	-0.01
38) Acenaphthene-d10	12.41	164	221162	20.00	ng	-0.01
63) Phenanthrene-d10	14.82	188	453187	20.00	ng	0.00
75) Chrysene-d12	18.50	240	380664	20.00	ng	-0.01
86) Perylene-d12	20.17	264	272743	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	919392	140.79	ng	0.02
7) Phenol-d6	7.10	99	1136483	128.79	ng	-0.01
23) Nitrobenzene-d5	8.47	82	858761	94.19	ng	-0.02
41) 2,4,6-Tribromophenol	13.71	330	350039	164.70	ng	-0.01
44) 2-Fluorobiphenyl	11.37	172	1525826	97.26	ng	-0.01
78) Terphenyl-d14	17.17	244	1598544	89.28	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	1.67	88	56683	16.45	ng	# 22
15) Benzyl Alcohol	7.79	79	15038	2.34	ng	# 42
19) n-Nitroso-di-n-propylamine	8.47	70	114407	17.39	ng	# 73
31) Naphthalene	9.62	128	134604	5.85	ng	99
50) 2,6-Dinitrotoluene	12.41	165	25825	7.23	ng	# 21
55) 4-Nitrophenol	12.80	139	3962	2.27	ng	# 14

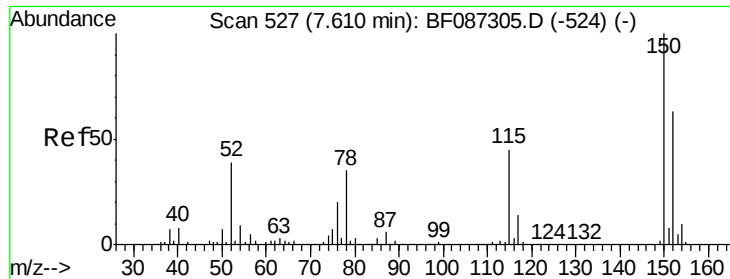
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF087364.D

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Instrument :

BNA_F

ClientSampleId :

CHS-STA-1685(0-4)

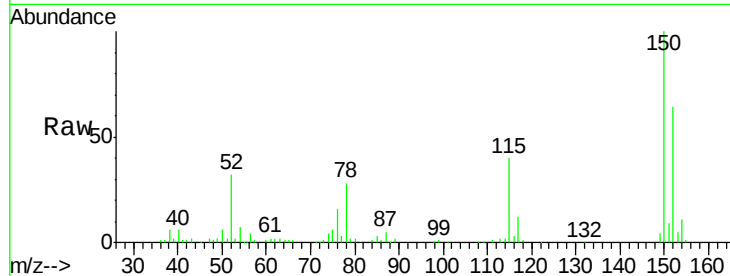
Tgt Ion:152 Resp: 114749

Ion Ratio Lower Upper

152 100

150 155.6 125.8 188.6

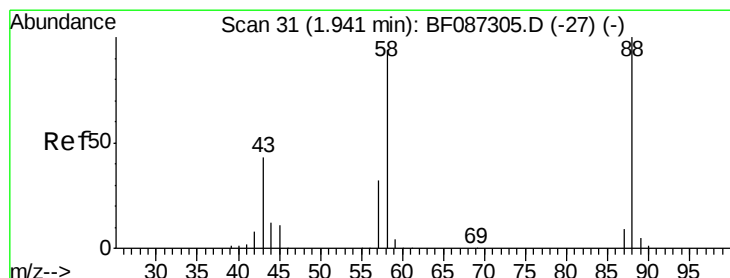
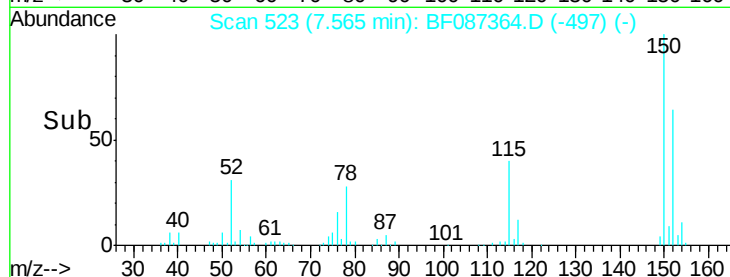
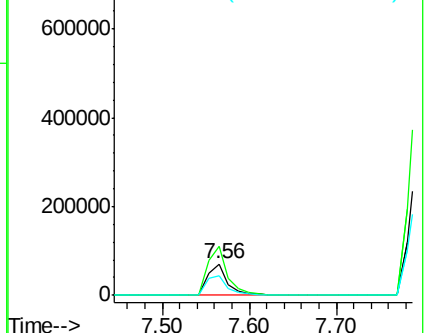
115 62.2 51.5 77.3



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: 16.45 ng

RT: 1.67 min Scan# 7

Delta R.T. -0.19 min

Lab File: BF087364.D

Acq: 25 May 2016 5:51

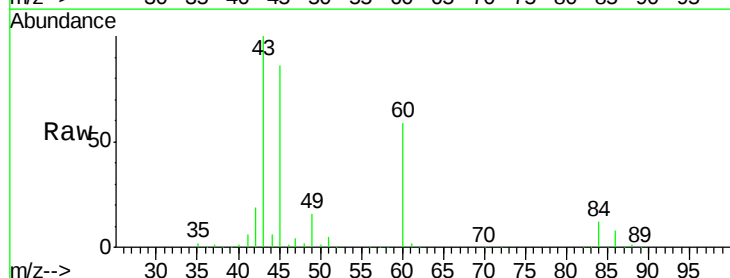
Tgt Ion: 88 Resp: 56683

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

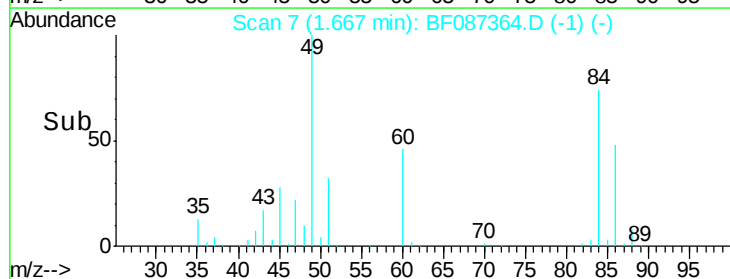
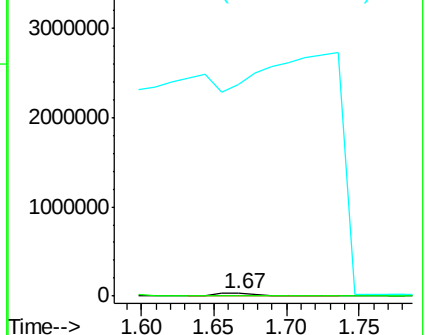
43 0.0 21.8 32.6#



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: 140.79 ng

RT: 5.48 min Scan# 341

Delta R.T. 0.02 min

Lab File: BF087364.D

Acq: 25 May 2016 5:51

Instrument :

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CHS-STA-1685(0-4)

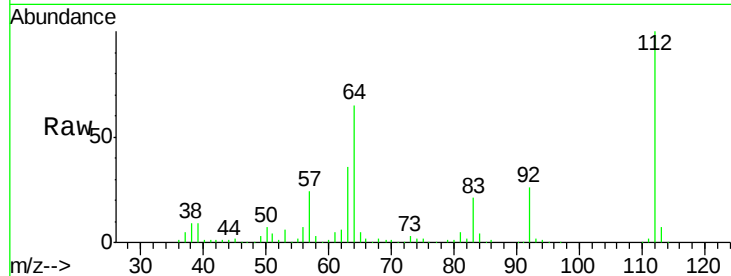
Tgt Ion: 112 Resp: 919392

Ion Ratio Lower Upper

112 100

64 65.2 52.1 78.1

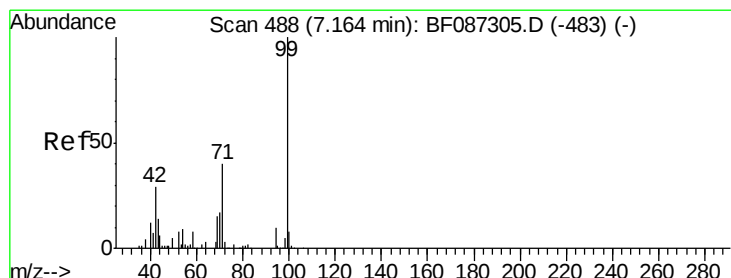
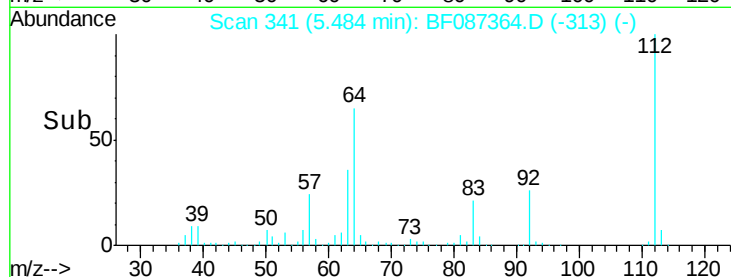
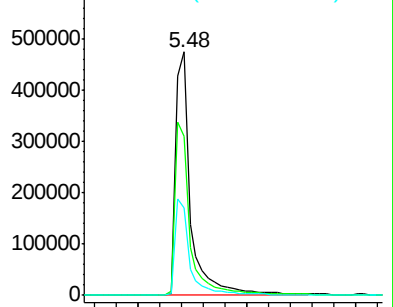
63 35.9 25.7 38.5



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: 128.79 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF087364.D

Acq: 25 May 2016 5:51

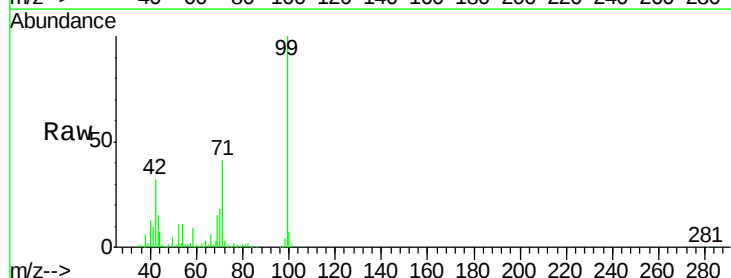
Tgt Ion: 99 Resp: 1136483

Ion Ratio Lower Upper

99 100

42 31.5 13.6 20.4#

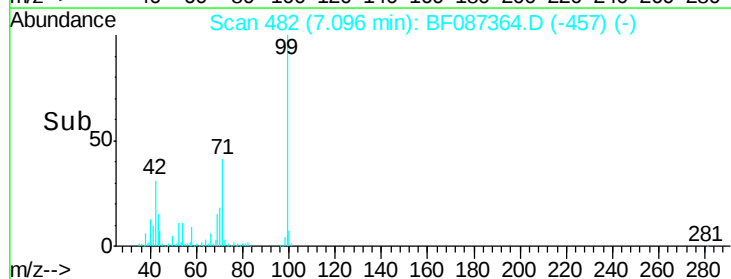
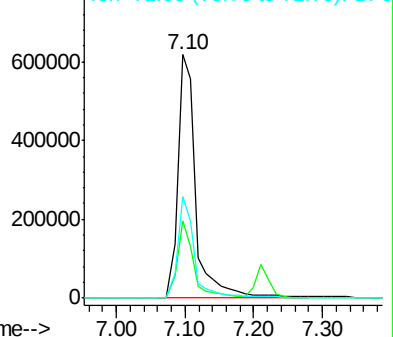
71 41.5 24.6 36.8#

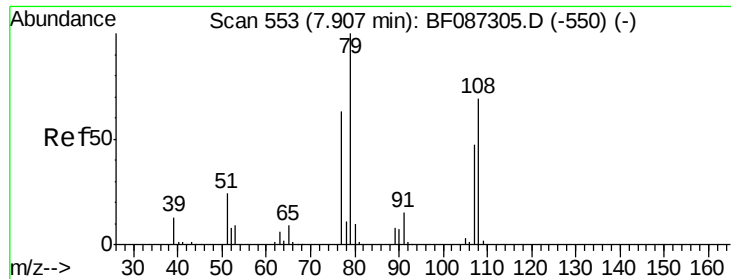


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.34 ng

RT: 7.79 min Scan# 543

Delta R.T. -0.07 min

Lab File: BF087364.D

Acq: 25 May 2016 5:51

Instrument :

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ClientSampleId :

CHS-STA-1685(0-4)

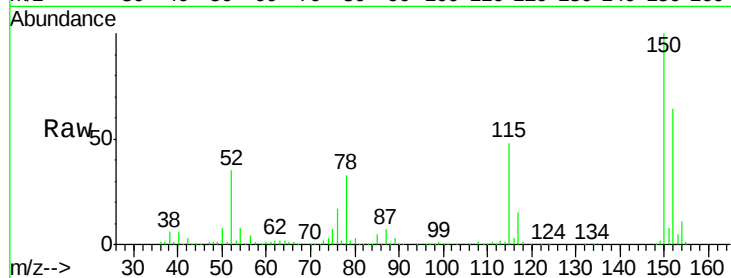
Tgt Ion: 79 Resp: 15038

Ion Ratio Lower Upper

79 100

108 30.3 68.4 102.6#

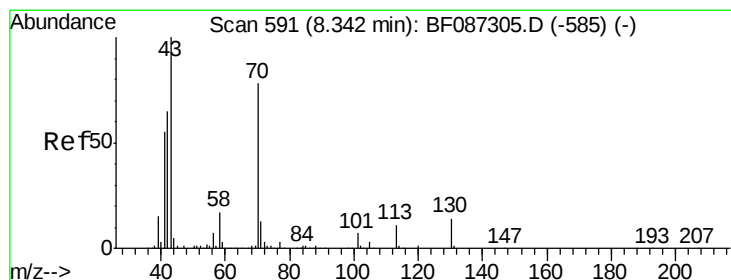
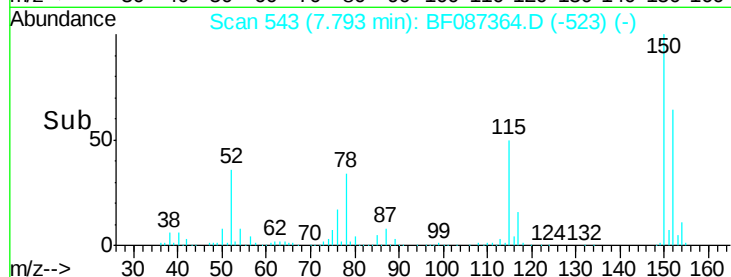
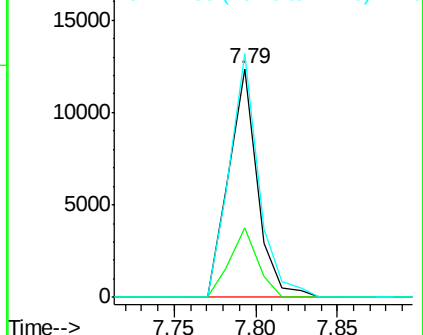
77 106.5 50.6 76.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 17.39 ng

RT: 8.47 min Scan# 602

Delta R.T. 0.18 min

Lab File: BF087364.D

Acq: 25 May 2016 5:51

Tgt Ion: 70 Resp: 114407

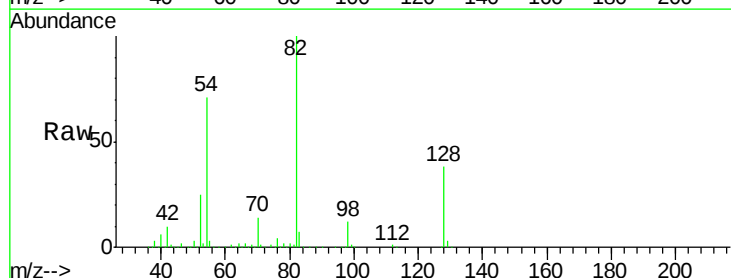
Ion Ratio Lower Upper

70 100

42 68.1 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

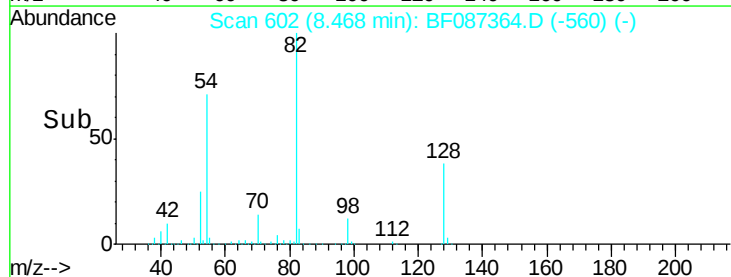
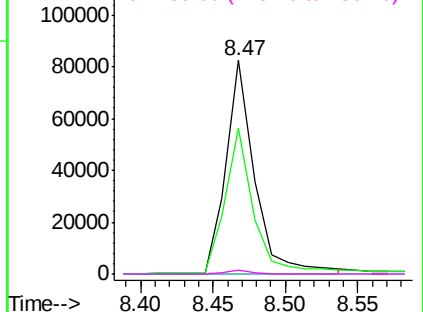


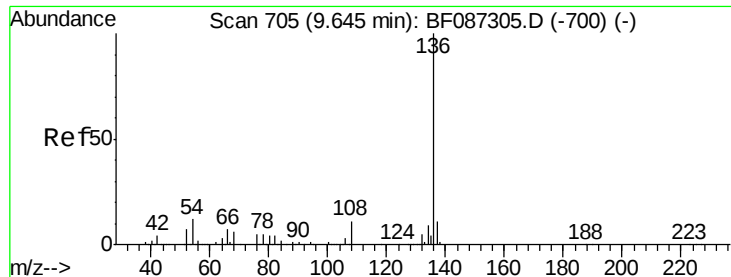
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.59 min Scan# 700

Delta R.T. -0.01 min

Lab File: BF087364.D

Acq: 25 May 2016 5:51

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1685(0-4)

Tgt Ion: 136 Resp: 459482

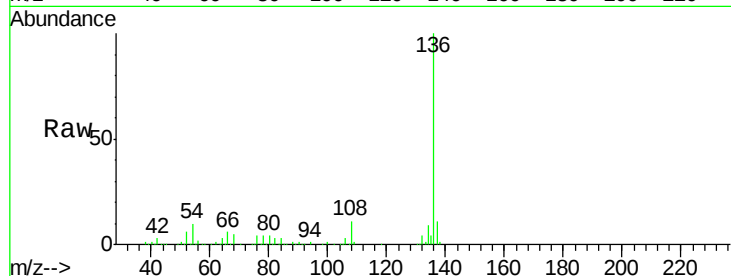
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 10.5 5.0 7.4#

68 5.4 4.4 6.6

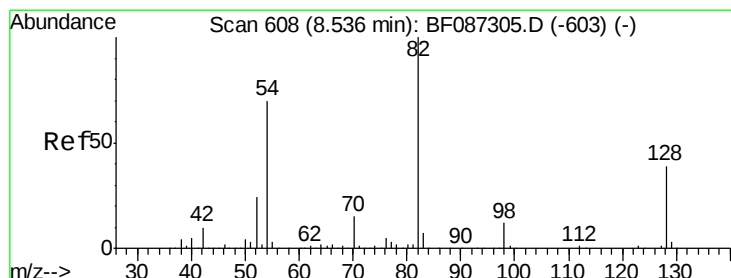
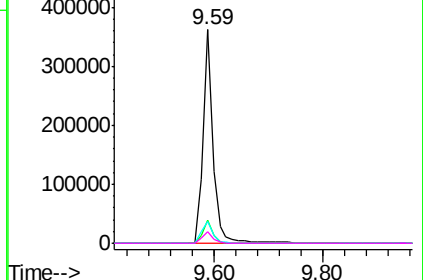
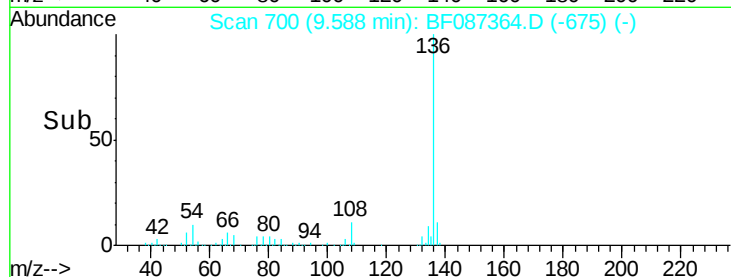


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.19 ng

RT: 8.47 min Scan# 602

Delta R.T. -0.02 min

Lab File: BF087364.D

Acq: 25 May 2016 5:51

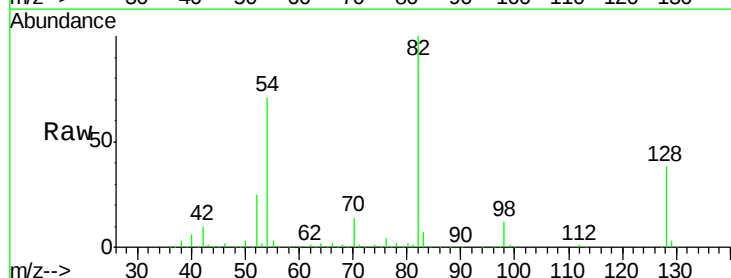
Tgt Ion: 82 Resp: 858761

Ion Ratio Lower Upper

82 100

128 37.9 40.6 61.0#

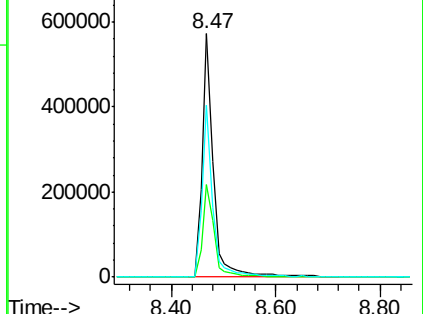
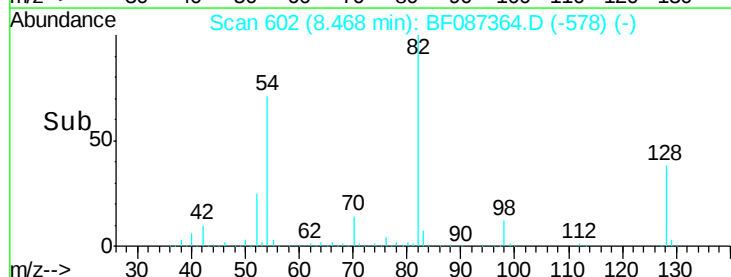
54 70.8 38.1 57.1#

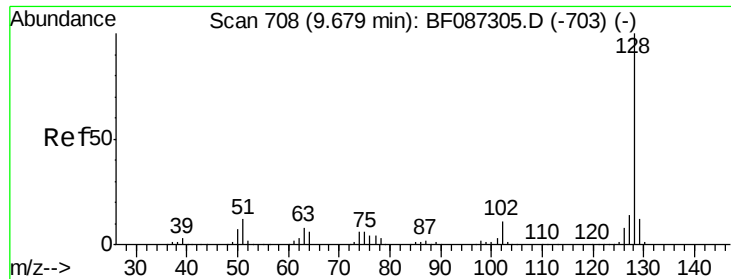


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

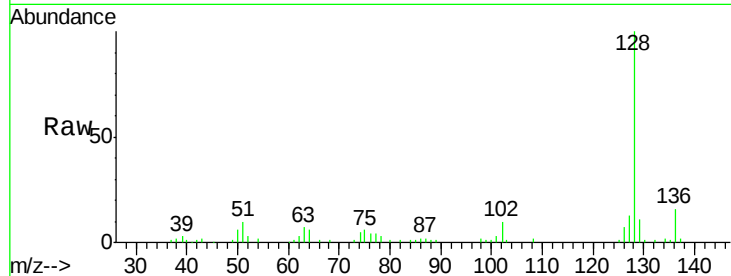




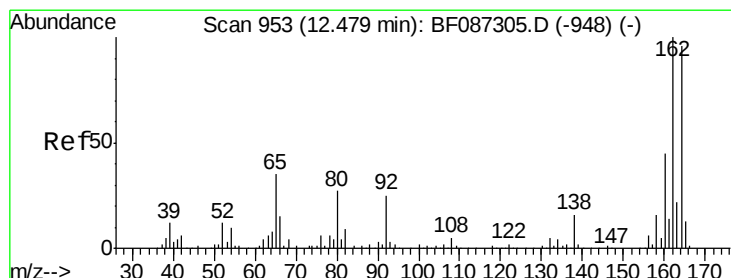
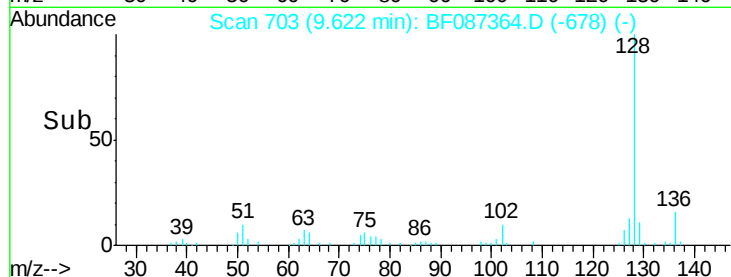
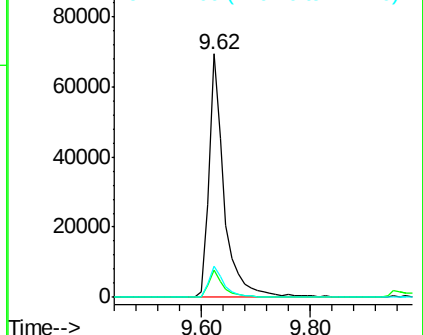
#31
Naphthalene
Concen: 5.85 ng
RT: 9.62 min Scan# 703
Delta R.T. -0.01 min
Lab File: BF087364.D
Acq: 25 May 2016 5:51

Instrument :
BNA_F
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CHS-STA-1685(0-4)

Tgt Ion:128 Resp: 134604
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.7 10.8 16.2

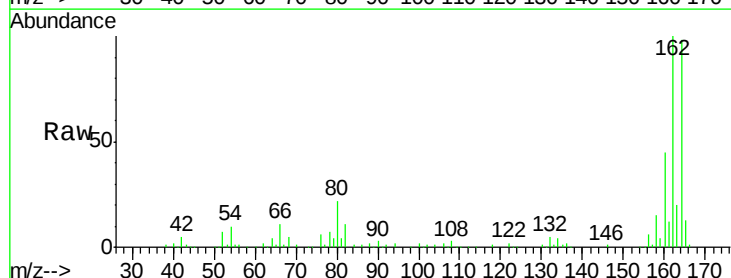


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

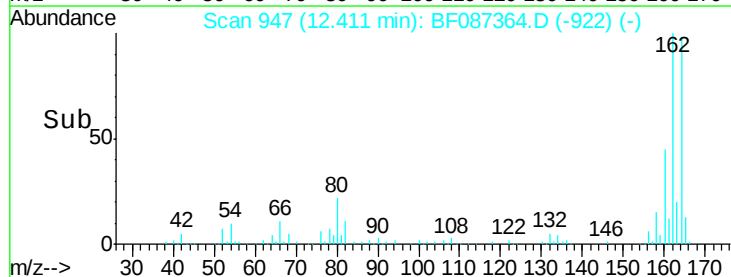
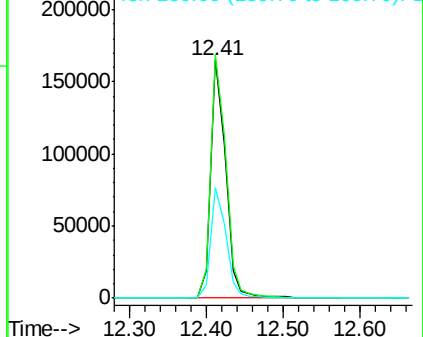


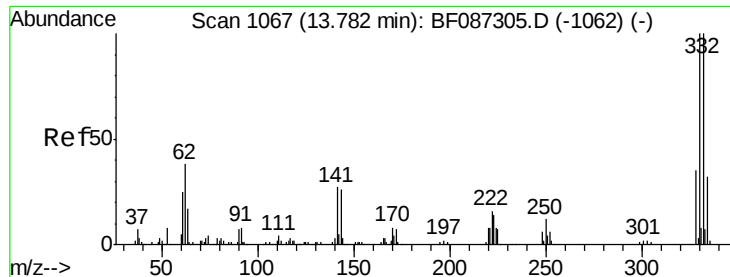
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.41 min Scan# 947
Delta R.T. -0.01 min
Lab File: BF087364.D
Acq: 25 May 2016 5:51

Tgt Ion:164 Resp: 221162
Ion Ratio Lower Upper
164 100
162 102.3 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

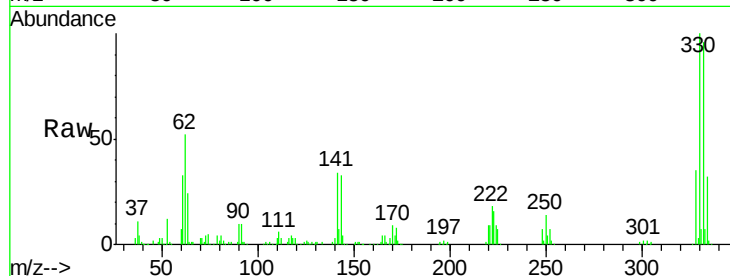




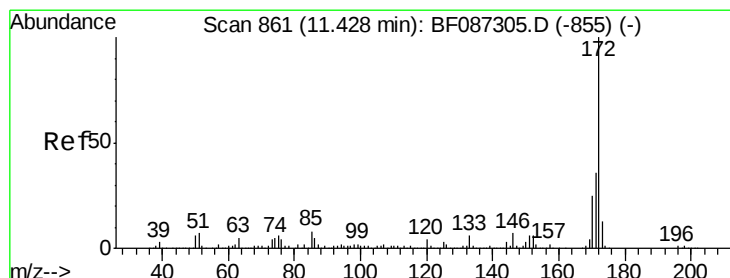
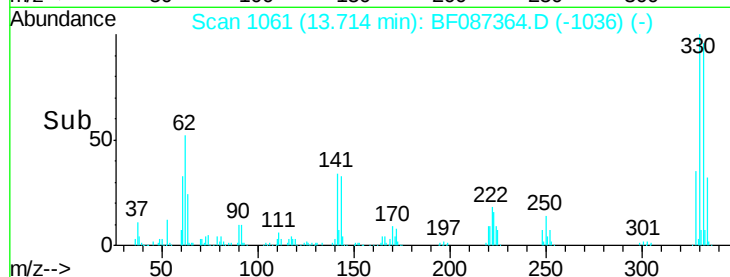
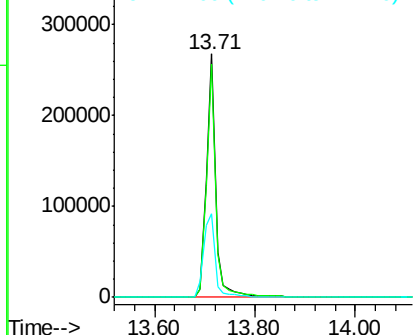
#41
 2,4,6-Tribromophenol
 Concen: 164.70 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: BF087364.D
 Acq: 25 May 2016 5:51

Instrument :
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 CHS-STA-1685(0-4)

Tgt Ion:330 Resp: 350039
 Ion Ratio Lower Upper
 330 100
 332 95.5 79.0 118.4
 141 43.4 31.2 46.8

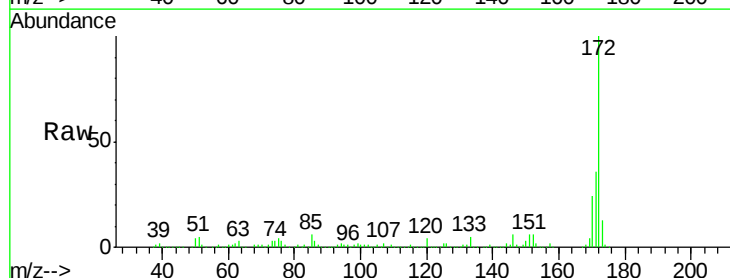


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

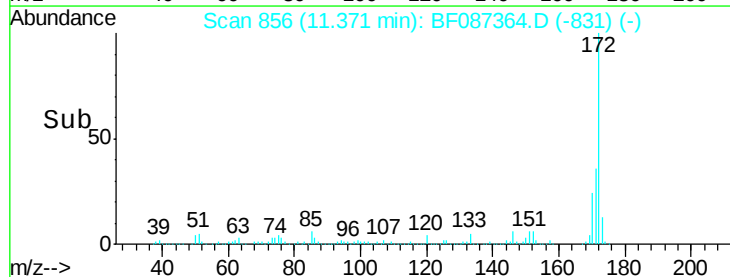
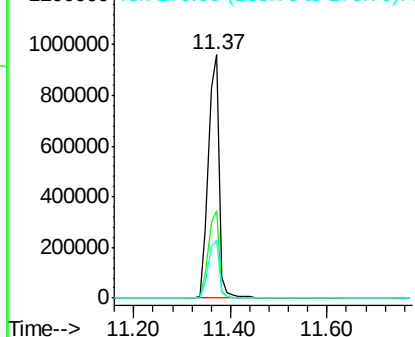


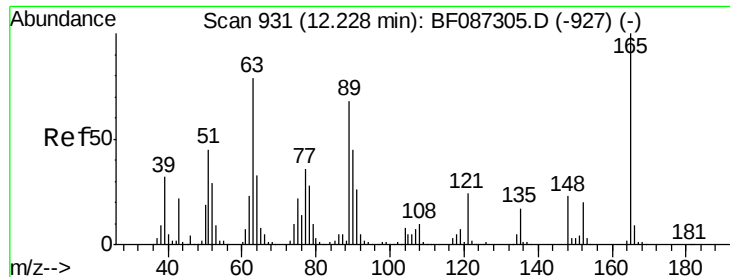
#44
 2-Fluorobiphenyl
 Concen: 97.26 ng
 RT: 11.37 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BF087364.D
 Acq: 25 May 2016 5:51

Tgt Ion:172 Resp: 1525826
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.0 43.6
 170 24.1 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

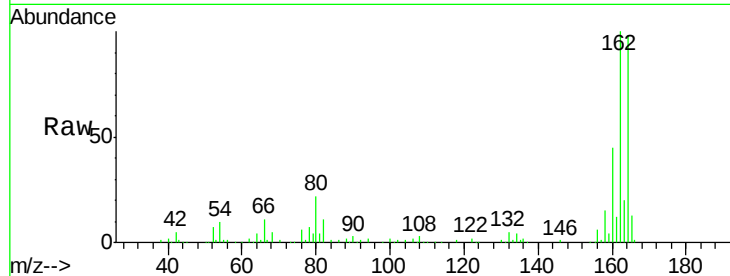




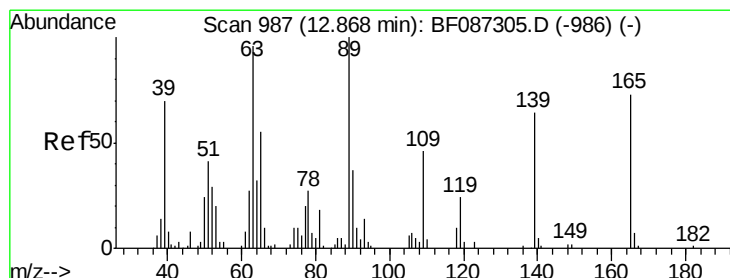
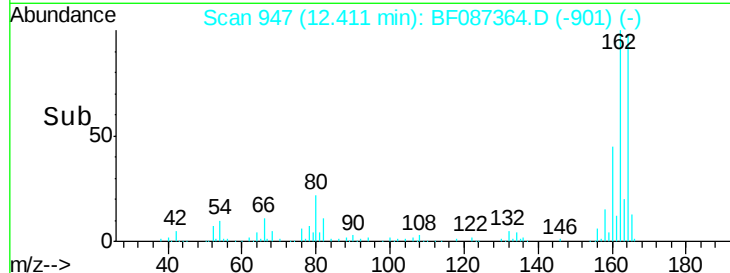
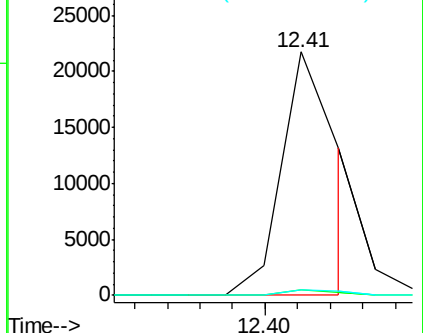
#50
 2,6-Dinitrotoluene
 Concen: 7.23 ng
 RT: 12.41 min Scan# 947
 Delta R.T. 0.23 min
 Lab File: BF087364.D
 Acq: 25 May 2016 5:51

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Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	51.8	77.8#
89	2.0	50.7	76.1#

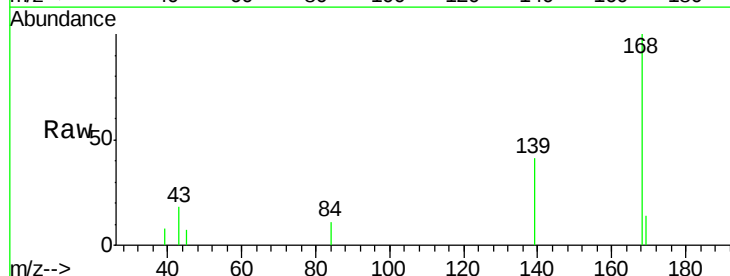


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

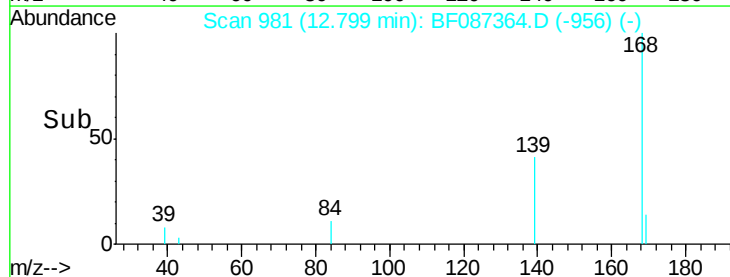
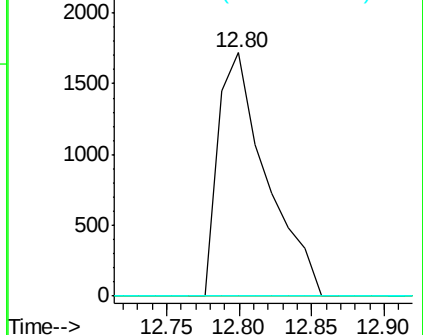


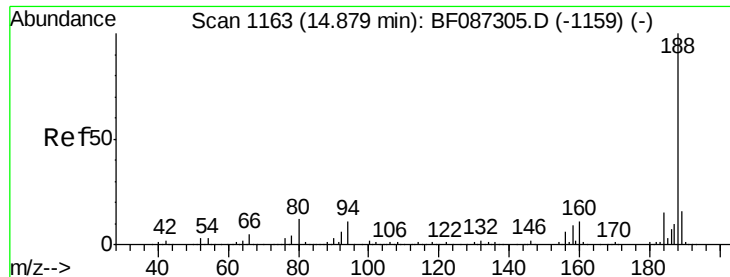
#55
 4-Nitrophenol
 Concen: 2.27 ng
 RT: 12.80 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: BF087364.D
 Acq: 25 May 2016 5:51

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	36.9	76.9#
65	0.0	64.0	104.0#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

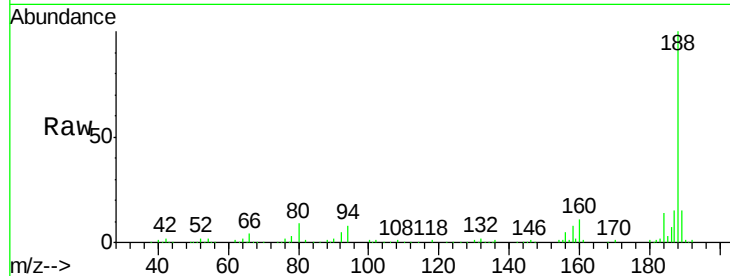




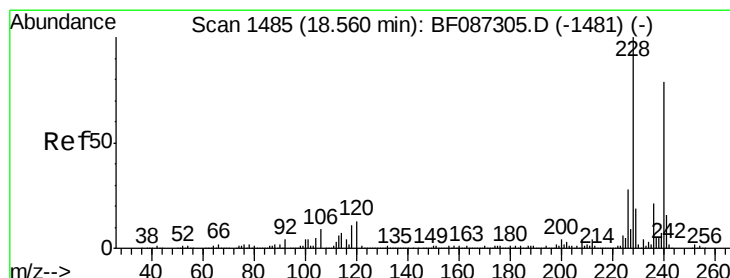
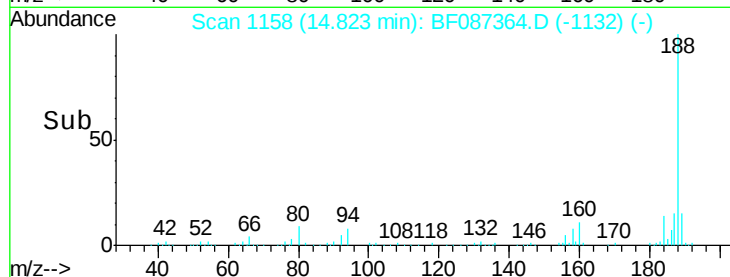
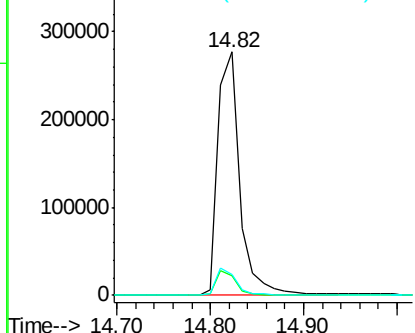
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.82 min Scan# 1158
Delta R.T. 0.00 min
Lab File: BF087364.D
Acq: 25 May 2016 5:51

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1685(0-4)

Tgt Ion:188 Resp: 453187
Ion Ratio Lower Upper
188 100
94 8.3 6.8 10.2
80 8.8 7.1 10.7

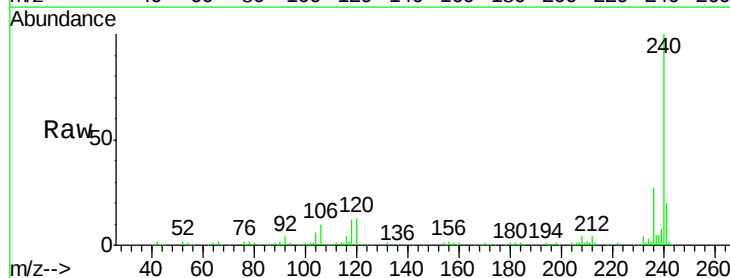


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

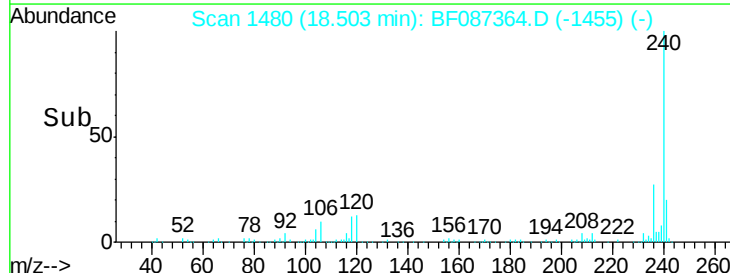
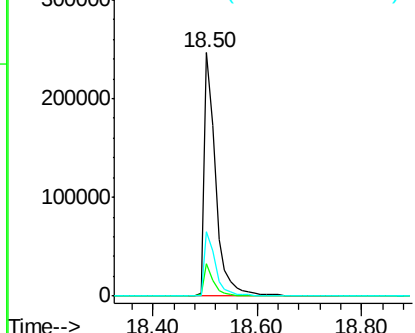


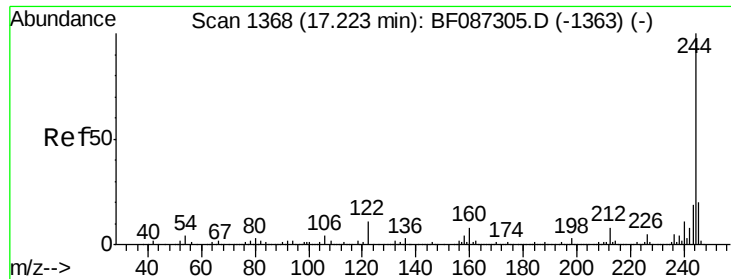
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.50 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BF087364.D
Acq: 25 May 2016 5:51

Tgt Ion:240 Resp: 380664
Ion Ratio Lower Upper
240 100
120 13.1 11.2 16.8
236 26.5 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: 89.28 ng

RT: 17.17 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BF087364.D

Acq: 25 May 2016 5:51

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1685(0-4)

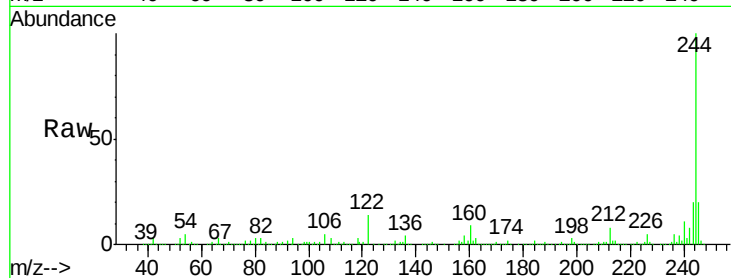
Tgt Ion:244 Resp: 1598544

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

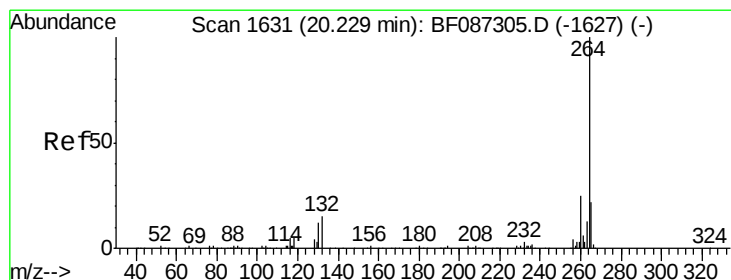
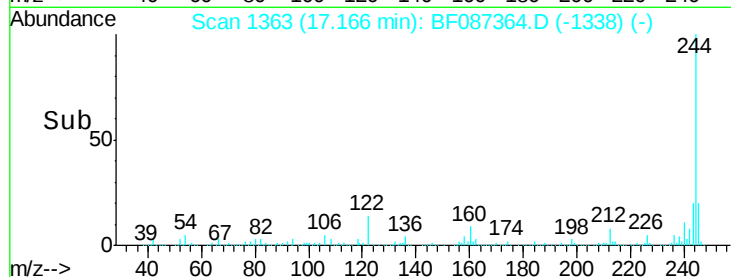
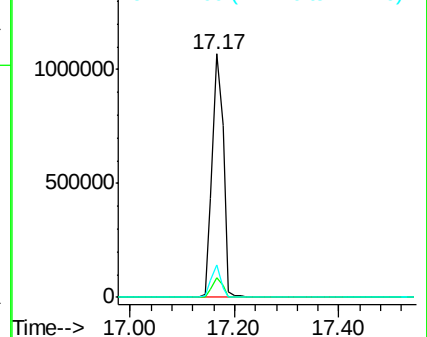
122 13.5 12.0 18.0



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: BF087364.D

Acq: 25 May 2016 5:51

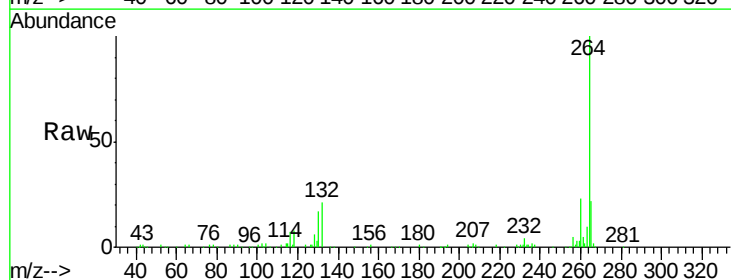
Tgt Ion:264 Resp: 272743

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

265 21.8 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

