

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071916\
 Data File : BF089123.D
 Acq On : 19 Jul 2016 17:40
 Operator : UM/SJ
 Sample : H4025-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-60-071116

Quant Time: Jul 20 02:15:04 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 19 15:28:17 2016
 Response via : Initial Calibration

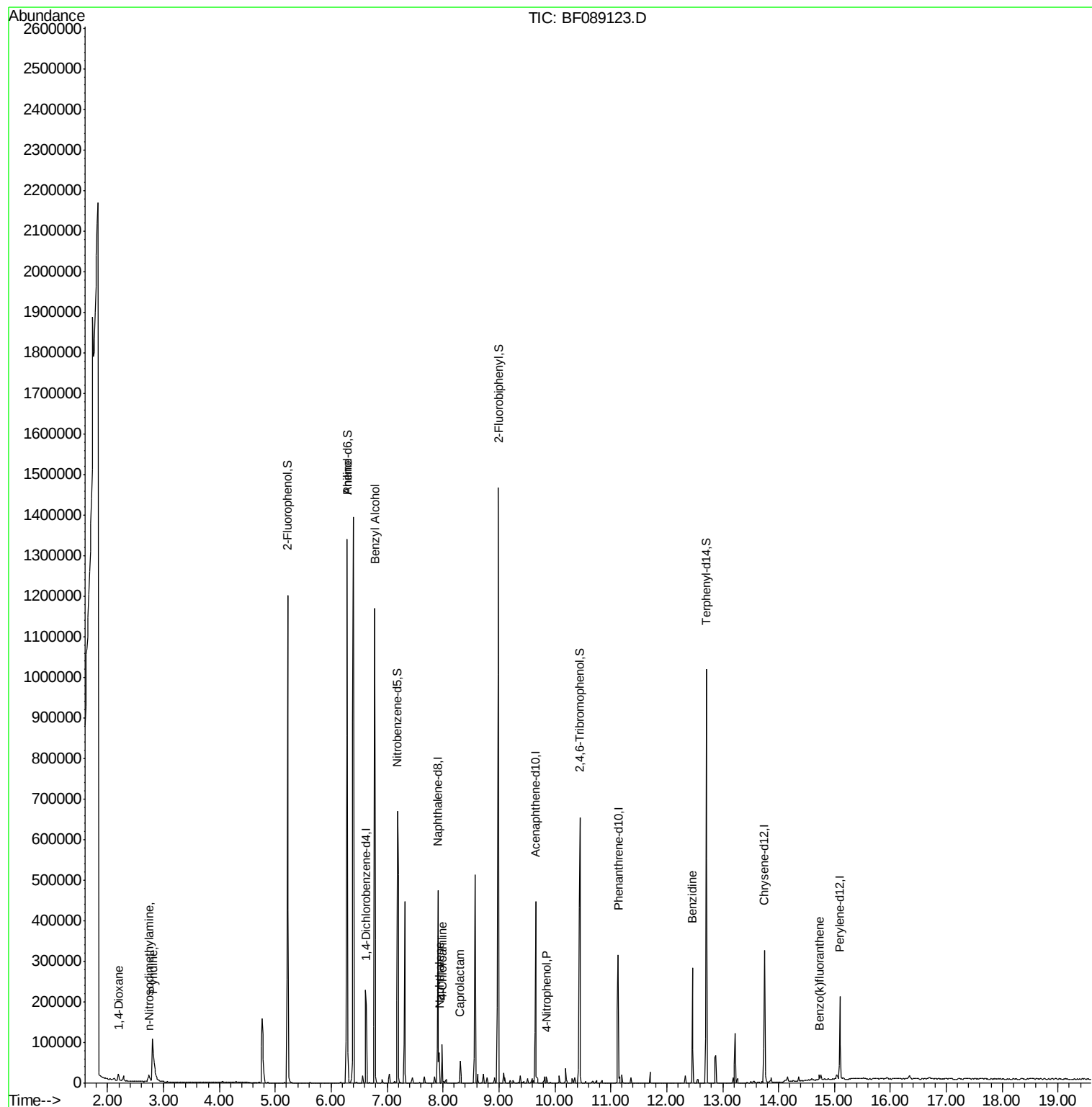
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	48337	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	200789	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	88022	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	139423	20.00	ng	0.00
75) Chrysene-d12	13.75	240	97880	20.00	ng	-0.01
86) Perylene-d12	15.10	264	79470	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	376800	116.83	ng	0.01
7) Phenol-d6	6.28	99	532955	127.89	ng	0.00
23) Nitrobenzene-d5	7.19	82	336615	87.85	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	88904	108.77	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	634068	113.79	ng	0.00
78) Terphenyl-d14	12.71	244	374061	85.12	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.19	88	7187	4.49	ng	# 87
3) Pyridine	2.81	79	105306	22.70	ng	94
4) n-Nitrosodimethylamine	2.74	42	9972	5.63	ng	95
6) Aniline	6.28	93	71756	11.81	ng	# 49
15) Benzyl Alcohol	6.78	79	16177	5.27	ng	# 73
31) Naphthalene	7.93	128	33143	3.35	ng	99
33) 4-Chloroaniline	7.99	127	33970	7.71	ng	96
35) Caprolactam	8.31	113	5911	6.53	ng	93
55) 4-Nitrophenol	9.85	139	3113	2.32	ng	# 5
76) Benzidine	12.46	184	105590	21.34	ng	97
88) Benzo(k)fluoranthene	14.73	252	9743	2.25	ng	98

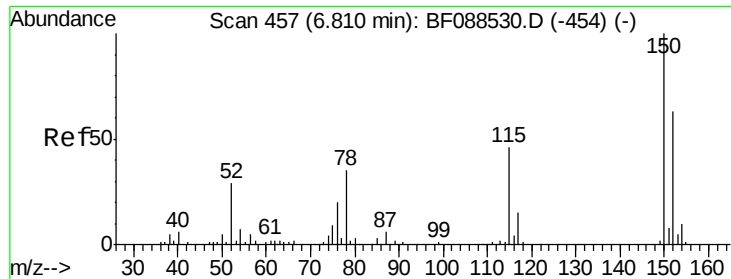
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.00 min

Lab File: BF089123.D

Acq: 19 Jul 2016 17:40

Instrument :

BNA_F

ClientSampleId :

HSR-WC-60-071116

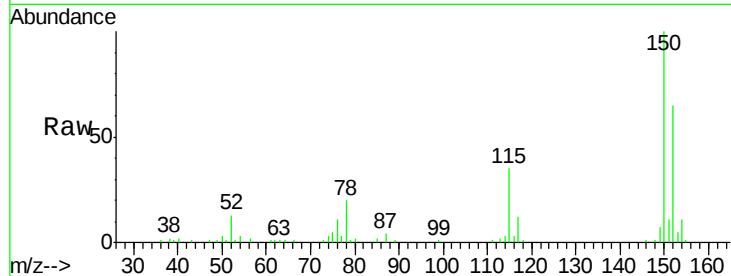
Tgt Ion:152 Resp: 48337

Ion Ratio Lower Upper

152 100

150 152.7 123.8 185.6

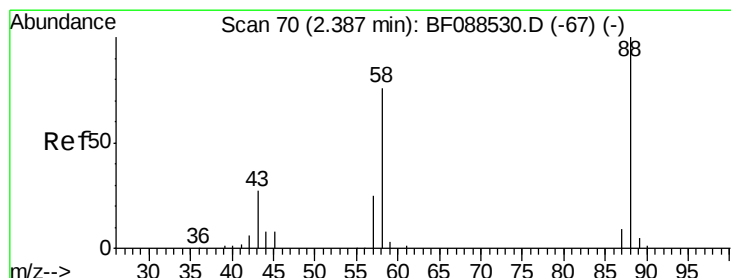
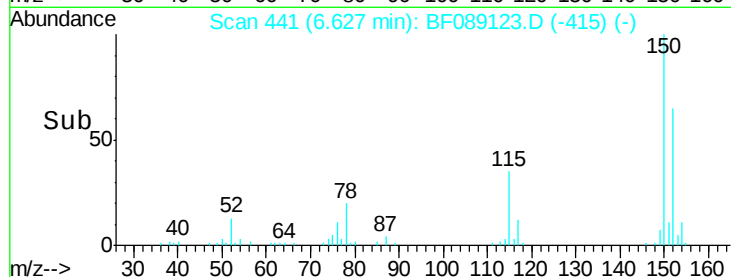
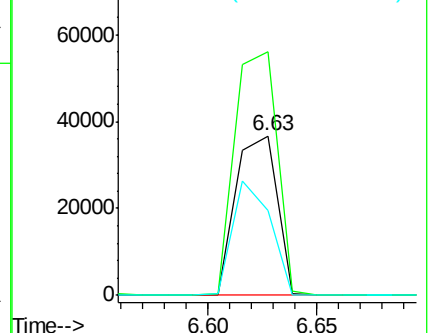
115 53.6 39.6 59.4



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



#2

1,4-Dioxane

Concen: 4.49 ng

RT: 2.19 min Scan# 53

Delta R.T. 0.13 min

Lab File: BF089123.D

Acq: 19 Jul 2016 17:40

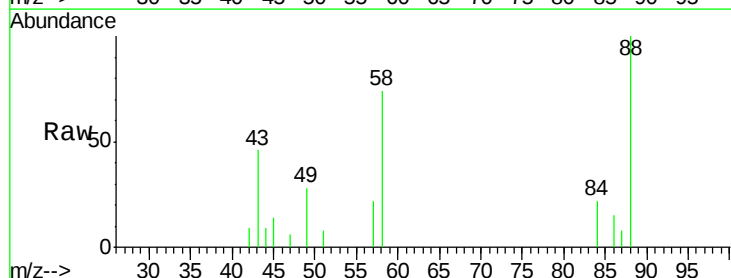
Tgt Ion: 88 Resp: 7187

Ion Ratio Lower Upper

88 100

58 75.6 0.0 0.0#

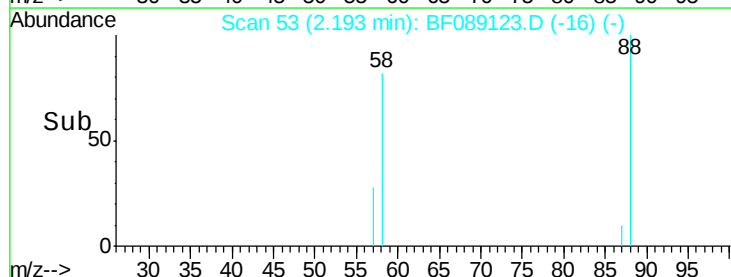
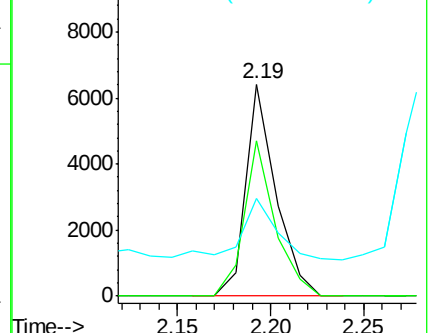
43 0.0 3.4 5.2#

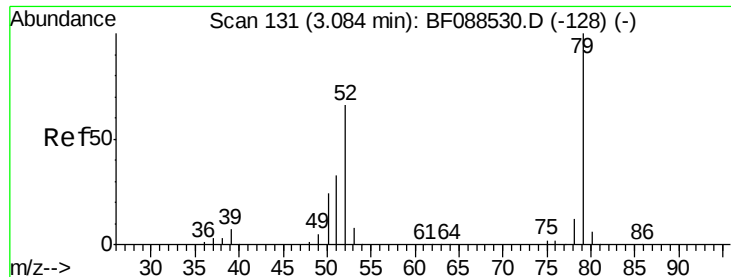


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 22.70 ng

RT: 2.81 min Scan# 107

Delta R.T. 0.11 min

Lab File: BF089123.D

Acq: 19 Jul 2016 17:40

Instrument :

BNA_F

ClientSampleId :

HSR-WC-60-071116

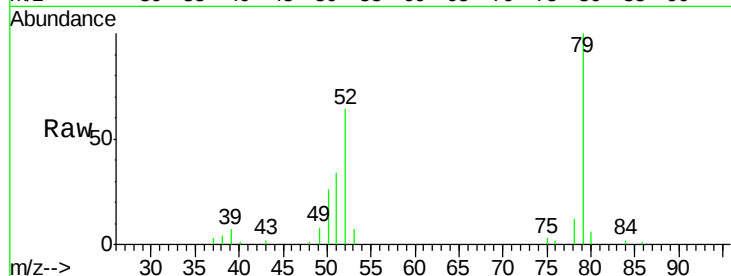
Tgt Ion: 79 Resp: 105306

Ion Ratio Lower Upper

79 100

52 63.7 56.3 84.5

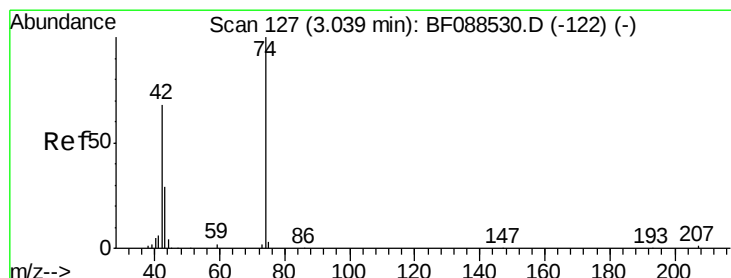
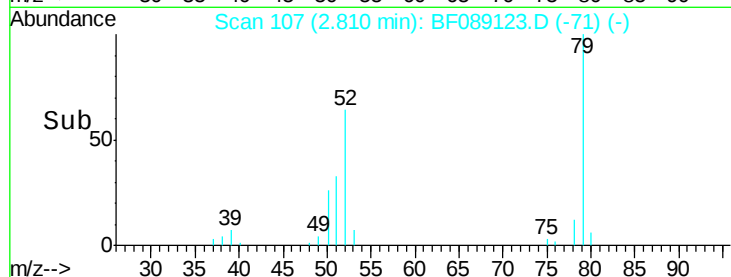
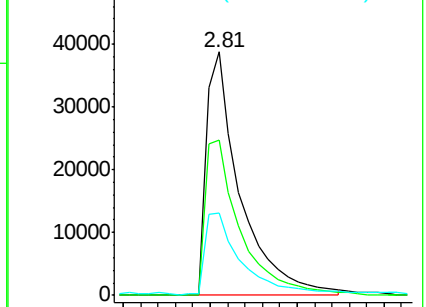
51 33.8 27.4 41.2



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 5.63 ng

RT: 2.74 min Scan# 101

Delta R.T. 0.08 min

Lab File: BF089123.D

Acq: 19 Jul 2016 17:40

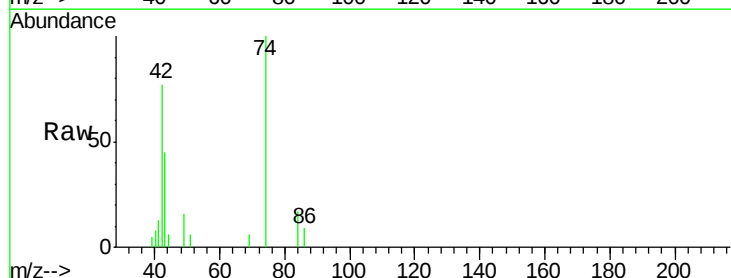
Tgt Ion: 42 Resp: 9972

Ion Ratio Lower Upper

42 100

74 130.2 108.6 163.0

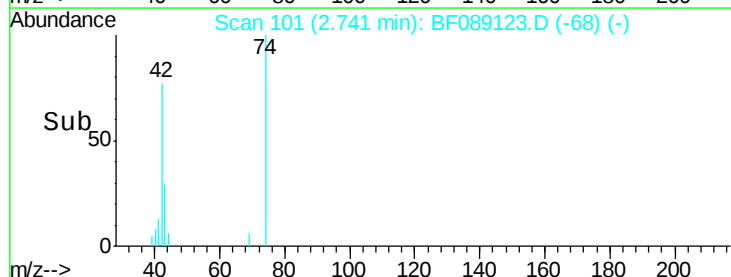
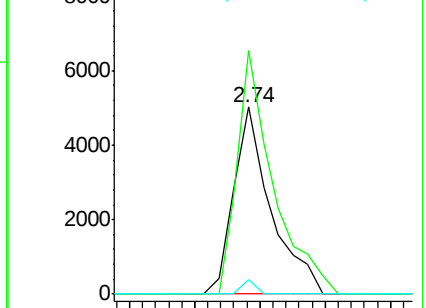
44 7.6 5.5 8.3

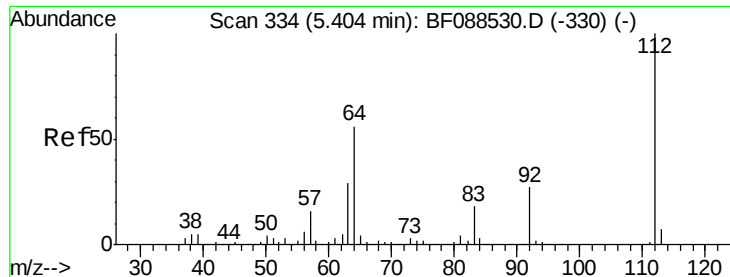


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 116.83 ng

RT: 5.22 min Scan# 318

Delta R.T. 0.01 min

Lab File: BF089123.D

Acq: 19 Jul 2016 17:40

Instrument :

BNA_F

ClientSampleId :

HSR-WC-60-071116

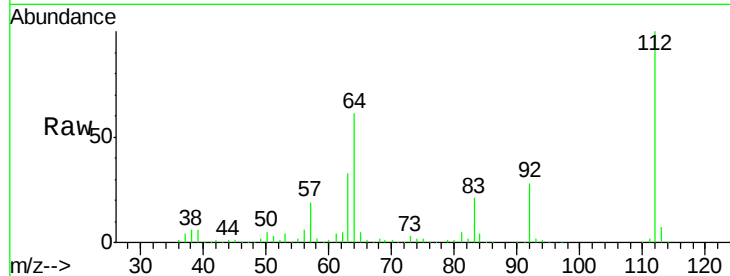
Tgt Ion: 112 Resp: 376800

Ion Ratio Lower Upper

112 100

64 61.3 42.2 63.2

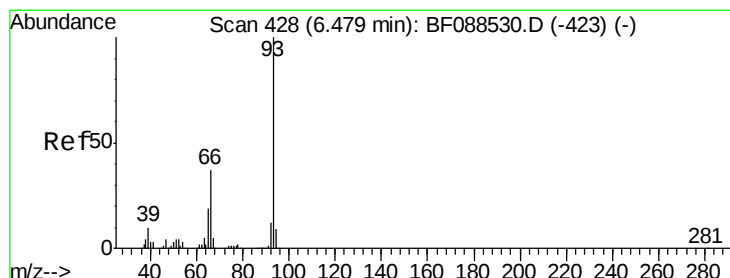
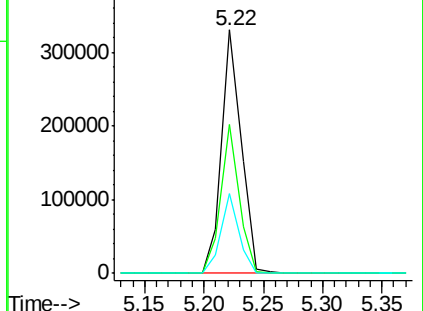
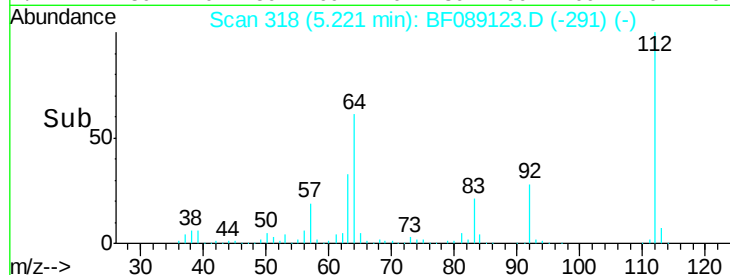
63 32.7 21.8 32.8



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



#6

Aniline

Concen: 11.81 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF089123.D

Acq: 19 Jul 2016 17:40

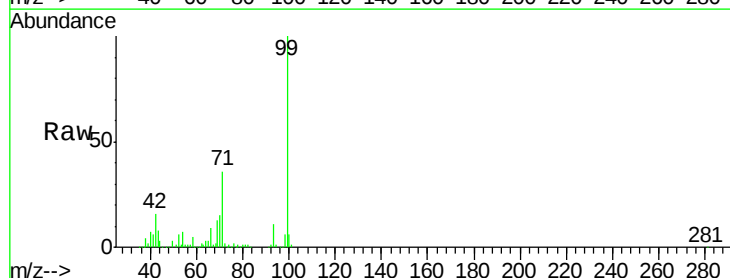
Tgt Ion: 93 Resp: 71756

Ion Ratio Lower Upper

93 100

66 78.6 29.8 44.8#

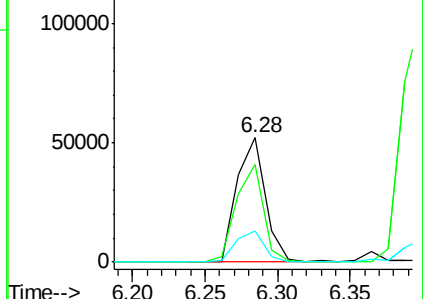
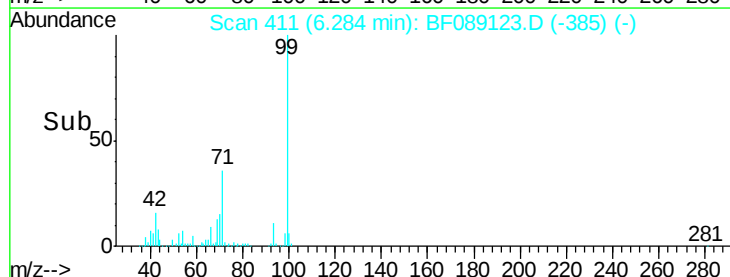
65 25.4 14.9 22.3#

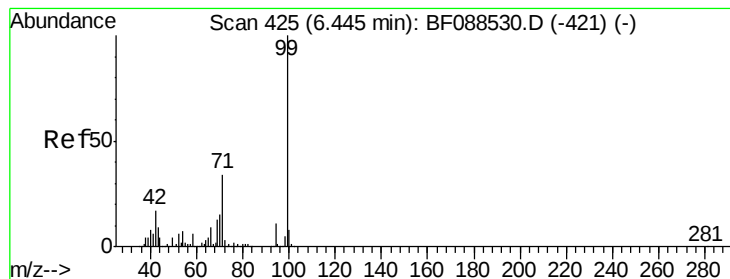


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 127.89 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF089123.D

Acq: 19 Jul 2016 17:40

Instrument :

BNA_F

ClientSampleId :

HSR-WC-60-071116

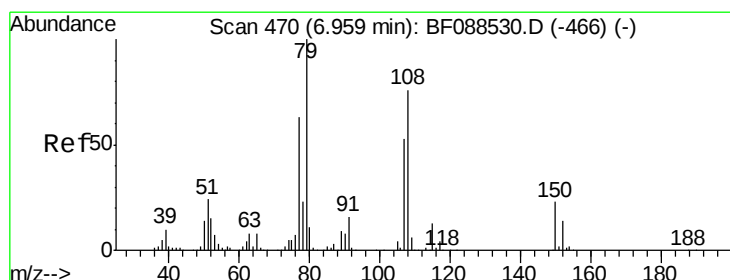
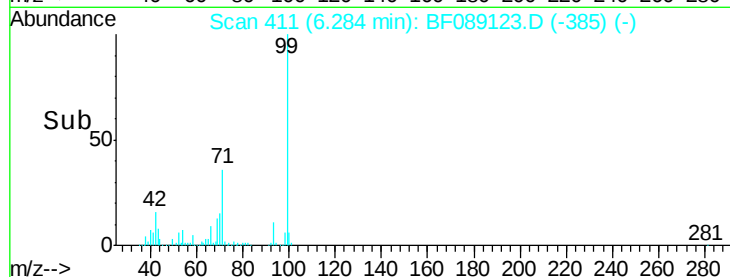
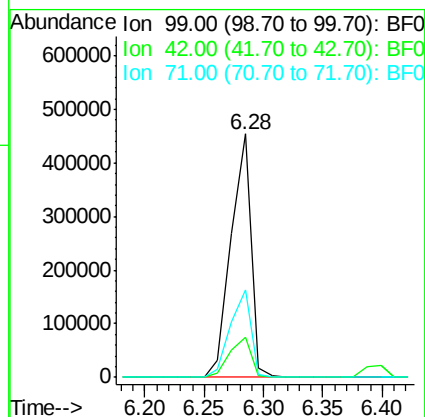
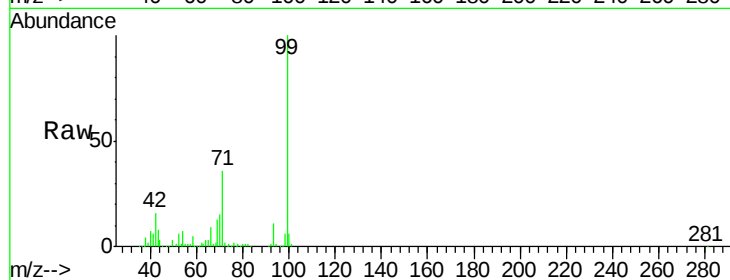
Tgt Ion: 99 Resp: 532955

Ion Ratio Lower Upper

99 100

42 16.3 12.2 18.2

71 36.0 23.4 35.0#



#15

Benzyl Alcohol

Concen: 5.27 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.00 min

Lab File: BF089123.D

Acq: 19 Jul 2016 17:40

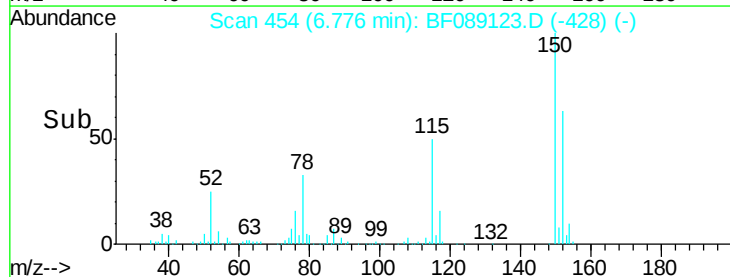
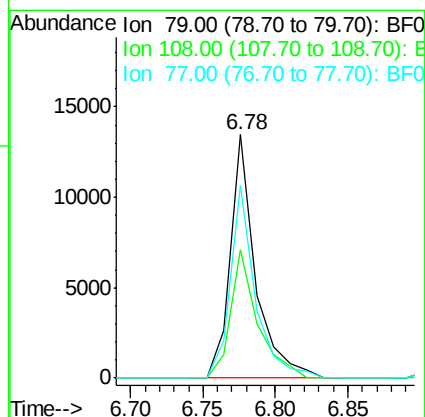
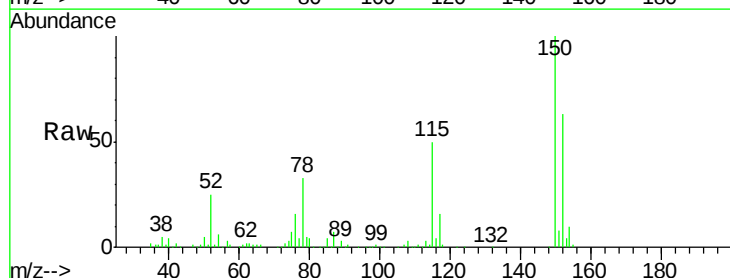
Tgt Ion: 79 Resp: 16177

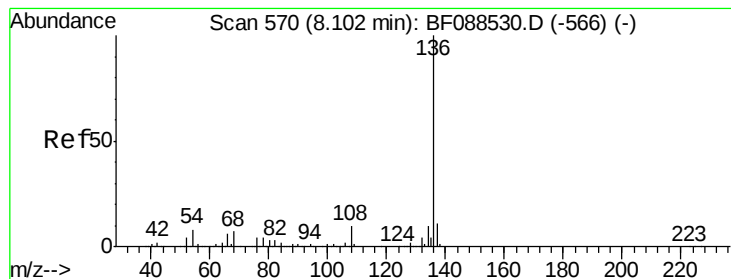
Ion Ratio Lower Upper

79 100

108 52.8 65.0 97.6#

77 79.1 50.3 75.5#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.00 min

Lab File: BF089123.D

Acq: 19 Jul 2016 17:40

Instrument :

BNA_F

ClientSampleId :

HSR-WC-60-071116

Tgt Ion:136 Resp: 200789

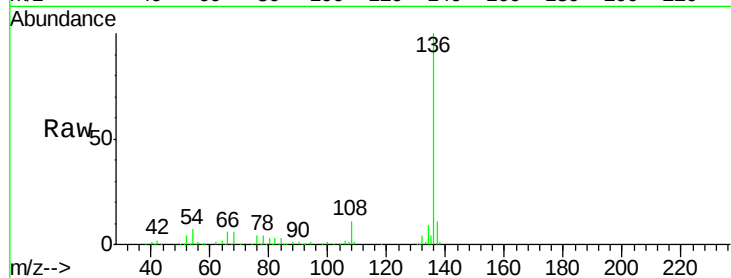
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 7.3 6.6 10.0

68 5.8 5.1 7.7

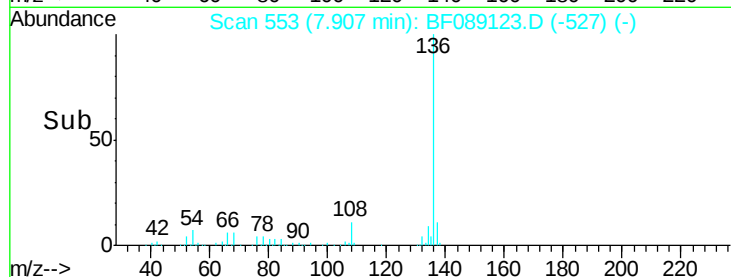


Abundance Ion 136.00 (135.70 to 136.70): E

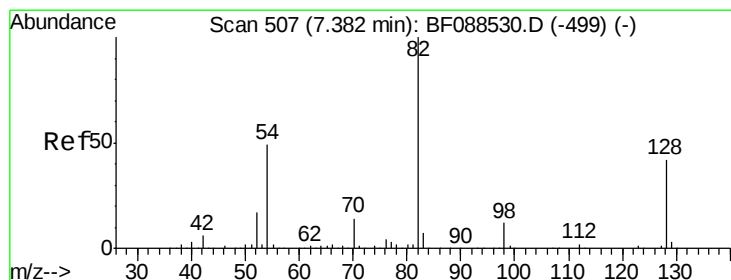
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 87.85 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.01 min

Lab File: BF089123.D

Acq: 19 Jul 2016 17:40

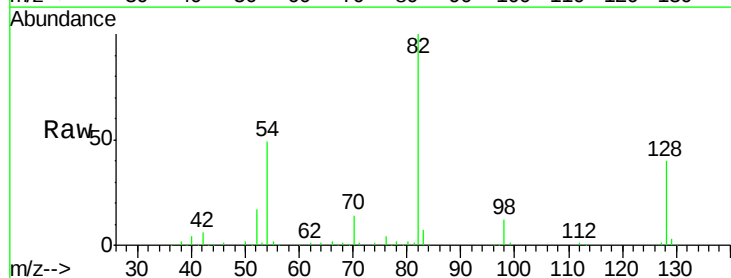
Tgt Ion: 82 Resp: 336615

Ion Ratio Lower Upper

82 100

128 39.9 35.9 53.9

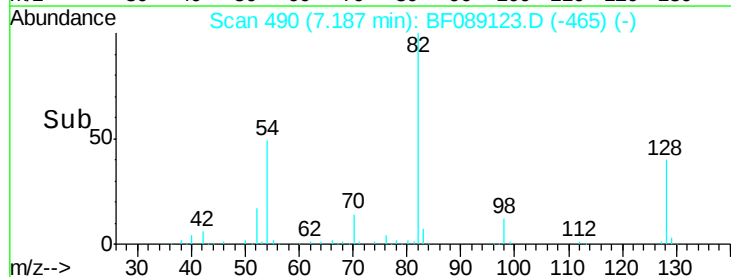
54 49.4 40.9 61.3



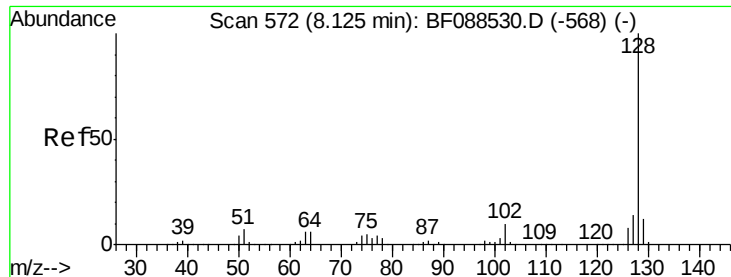
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



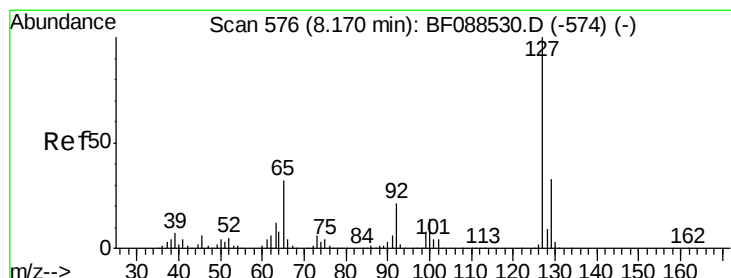
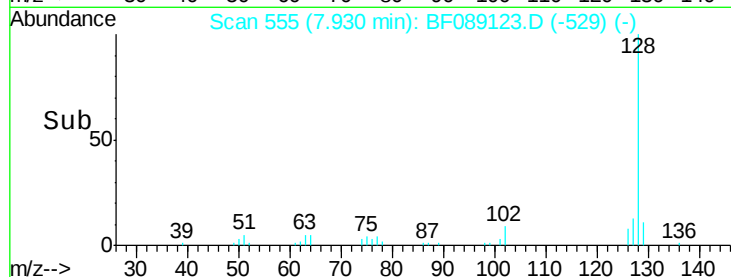
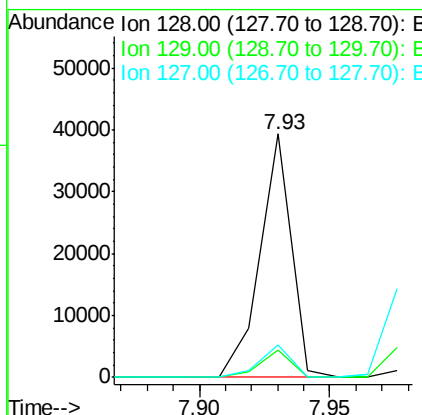
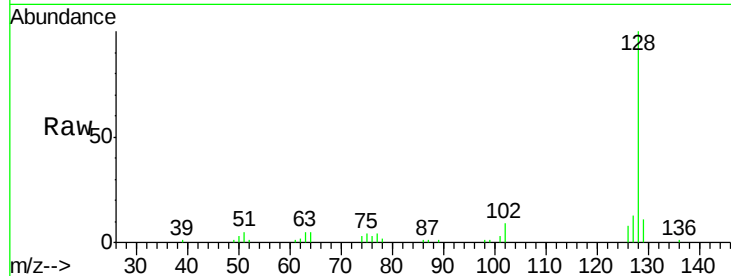
Time-->



#31
Naphthalene
Concen: 3.35 ng
RT: 7.93 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF089123.D
Acq: 19 Jul 2016 17:40

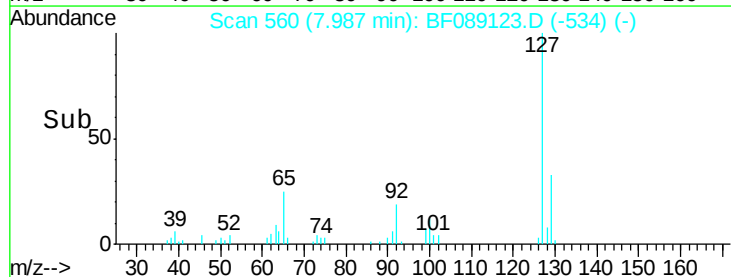
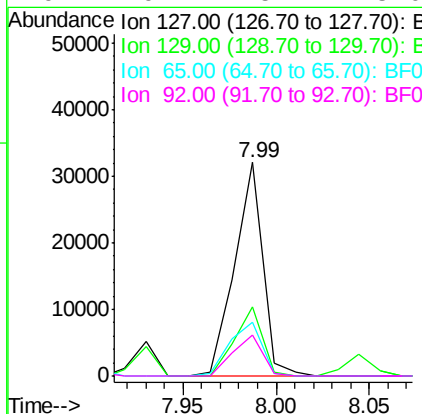
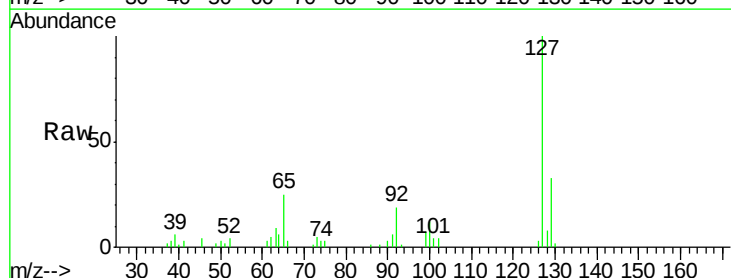
Instrument :
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HSR-WC-60-071116

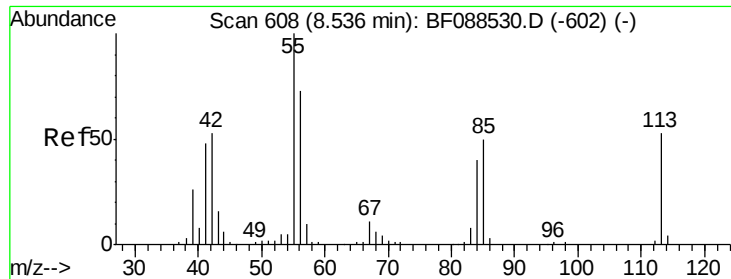
Tgt Ion:128 Resp: 33143
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 13.4 10.9 16.3



#33
4-Chloroaniline
Concen: 7.71 ng
RT: 7.99 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF089123.D
Acq: 19 Jul 2016 17:40

Tgt Ion:127 Resp: 33970
Ion Ratio Lower Upper
127 100
129 32.6 26.3 39.5
65 25.1 24.7 37.1
92 19.1 15.4 23.0

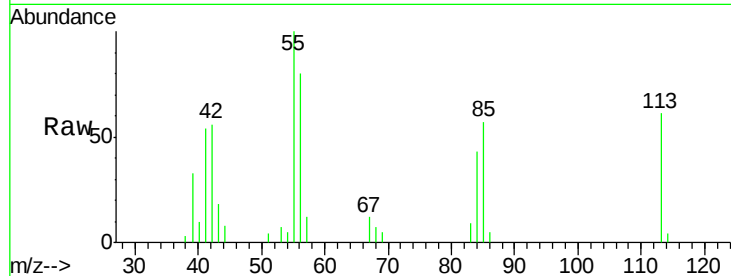




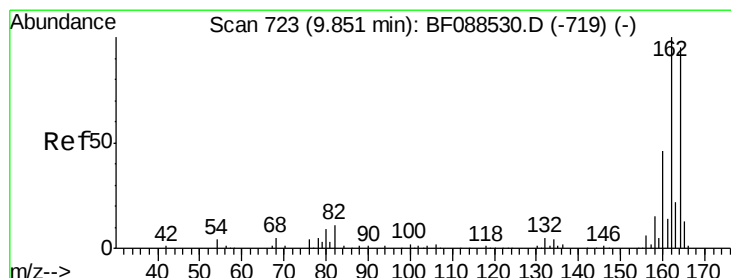
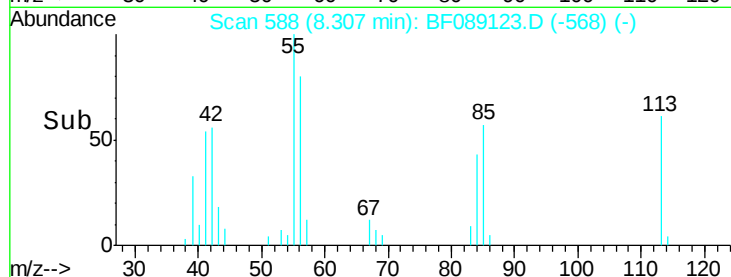
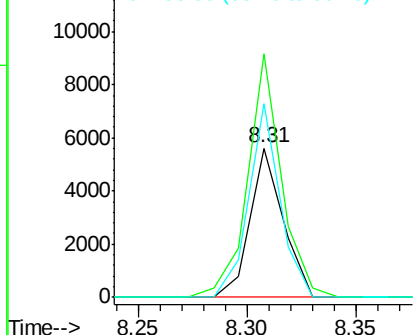
#35
 Caprolactam
 Concen: 6.53 ng
 RT: 8.31 min Scan# 588
 Delta R.T. -0.07 min
 Lab File: BF089123.D
 Acq: 19 Jul 2016 17:40

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-60-071116

Tgt Ion:113 Resp: 5911
 Ion Ratio Lower Upper
 113 100
 55 163.0 158.6 198.6
 56 129.7 110.6 150.6

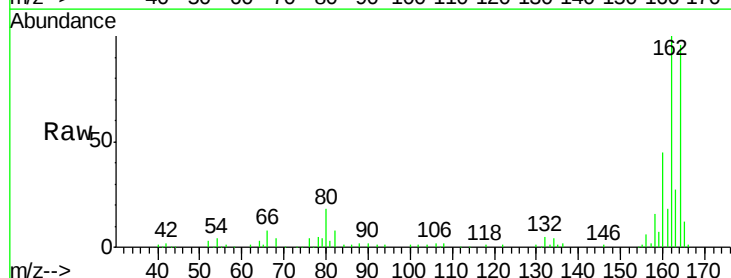


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

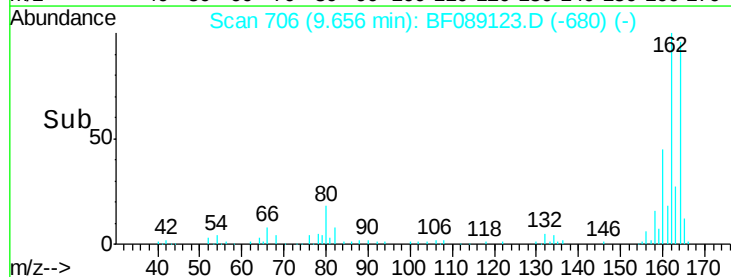
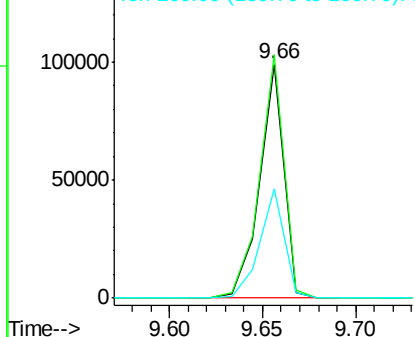


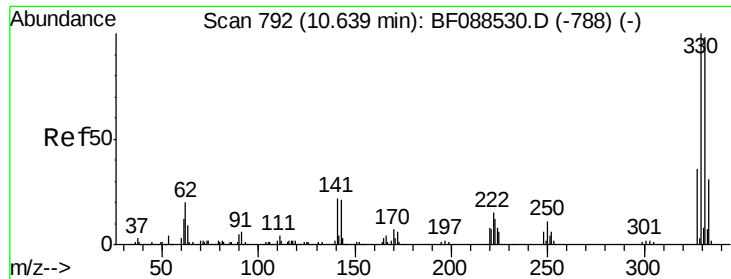
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: BF089123.D
 Acq: 19 Jul 2016 17:40

Tgt Ion:164 Resp: 88022
 Ion Ratio Lower Upper
 164 100
 162 104.0 85.4 128.2
 160 46.6 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

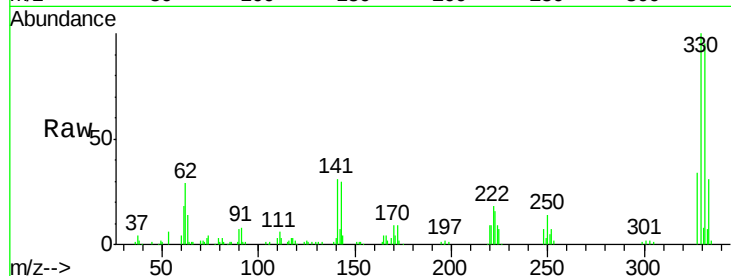




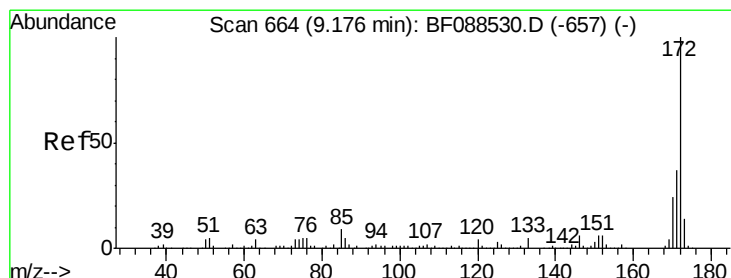
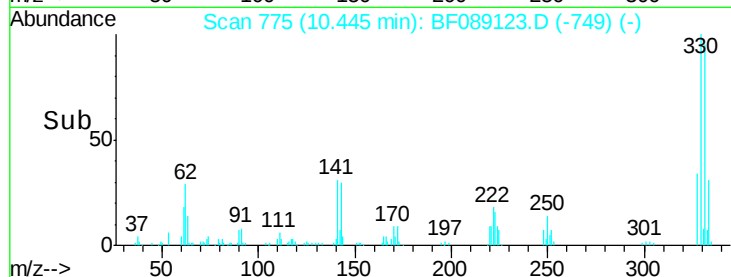
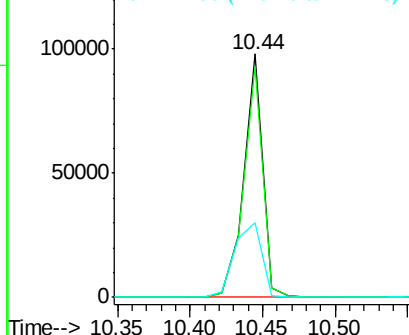
#41
 2,4,6-Tribromophenol
 Concen: 108.77 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.00 min
 Lab File: BF089123.D
 Acq: 19 Jul 2016 17:40

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-60-071116

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	0.0	0.0#
141	44.2	0.0	0.0#

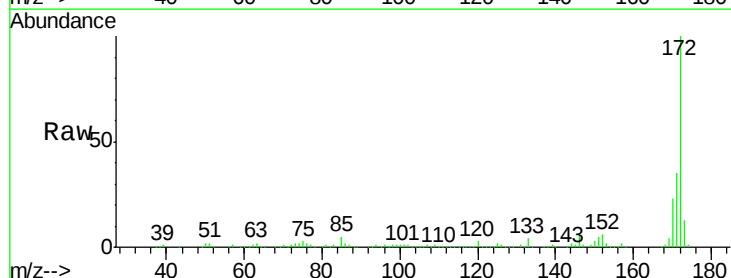


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

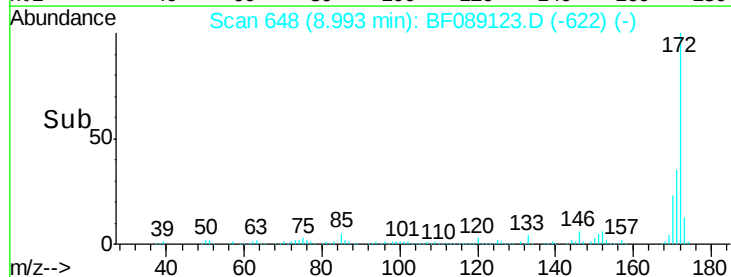
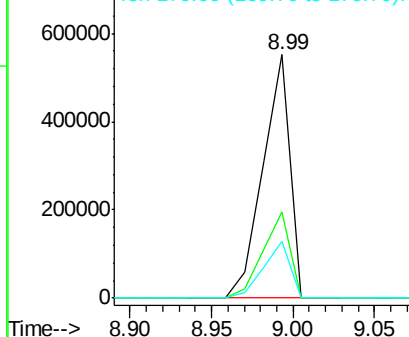


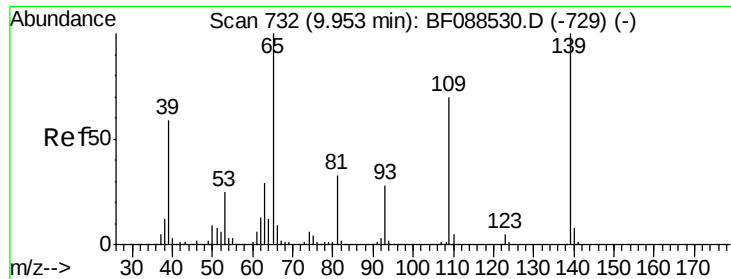
#44
 2-Fluorobiphenyl
 Concen: 113.79 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.00 min
 Lab File: BF089123.D
 Acq: 19 Jul 2016 17:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	23.4	19.2	28.8



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





#55

4-Nitrophenol

Concen: 2.32 ng

RT: 9.85 min Scan# 723

Delta R.T. 0.05 min

Lab File: BF089123.D

Acq: 19 Jul 2016 17:40

Instrument :

BNA_F

ClientSampleId :

HSR-WC-60-071116

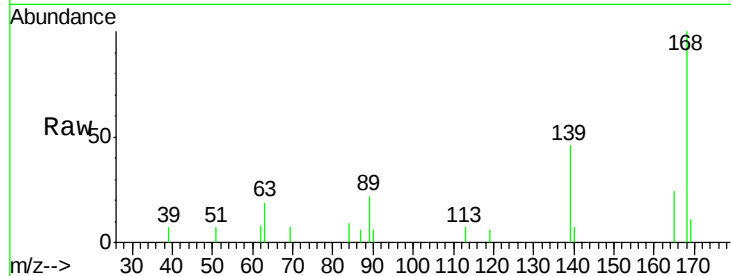
Tgt Ion:139 Resp: 3113

Ion Ratio Lower Upper

139 100

109 0.0 48.9 88.9#

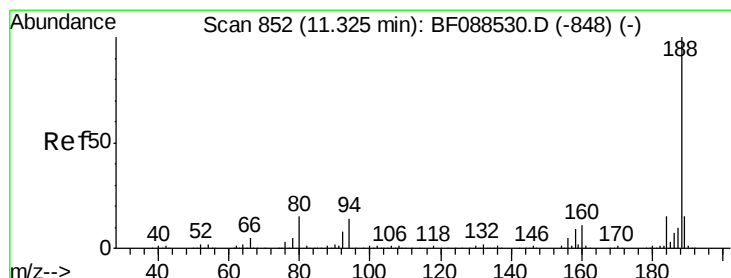
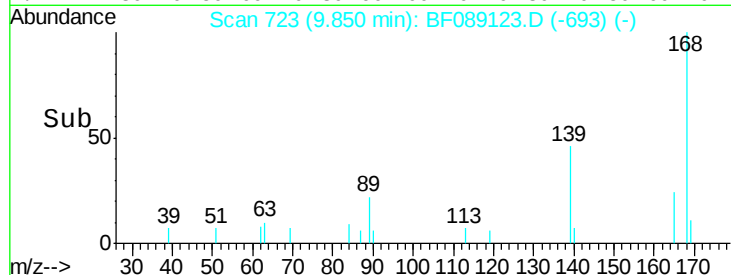
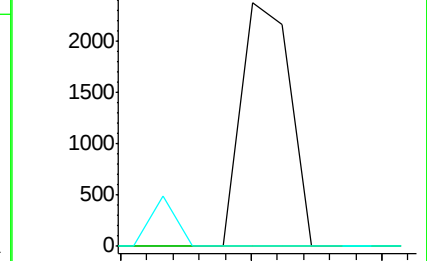
65 0.0 84.9 124.9#



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: 11.13 min Scan# 835

Delta R.T. -0.00 min

Lab File: BF089123.D

Acq: 19 Jul 2016 17:40

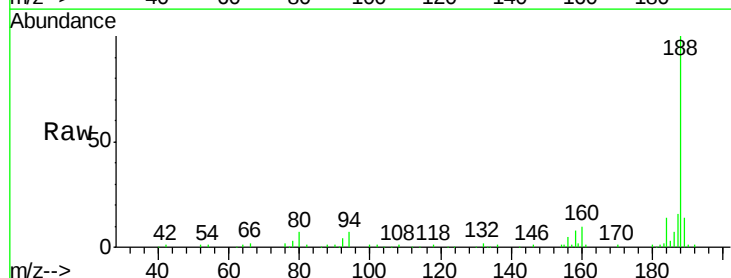
Tgt Ion:188 Resp: 139423

Ion Ratio Lower Upper

188 100

94 6.8 9.0 13.6#

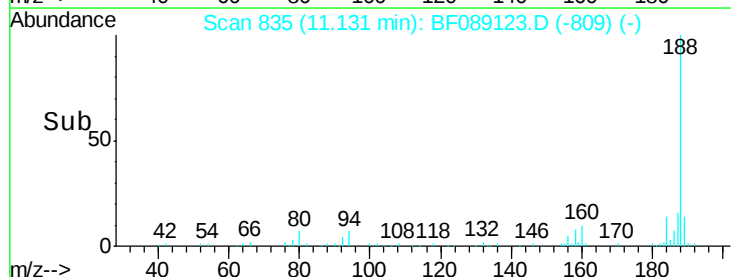
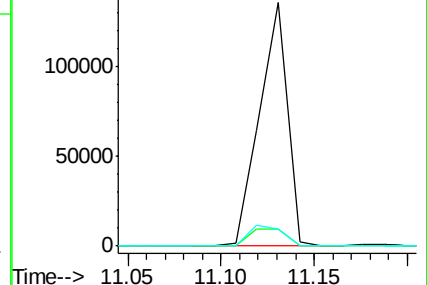
80 7.0 10.0 15.0#

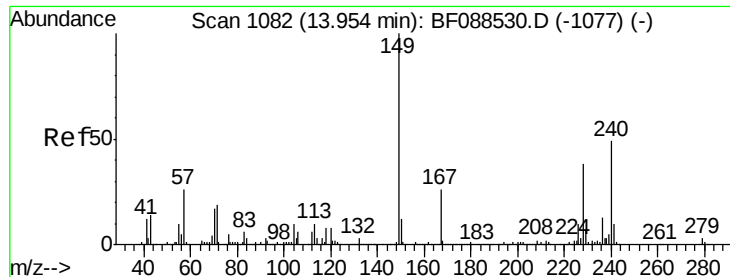


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF089123.D

Acq: 19 Jul 2016 17:40

Instrument :

BNA_F

ClientSampleId :

HSR-WC-60-071116

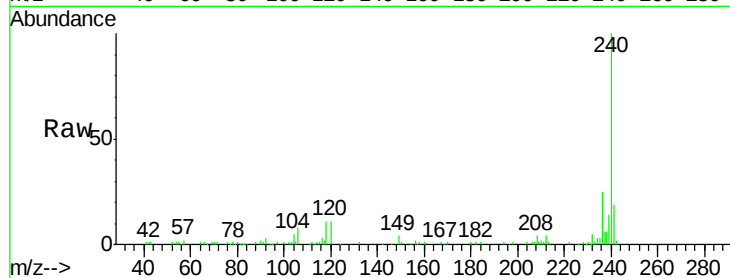
Tgt Ion:240 Resp: 97880

Ion Ratio Lower Upper

240 100

120 11.2 6.8 10.2#

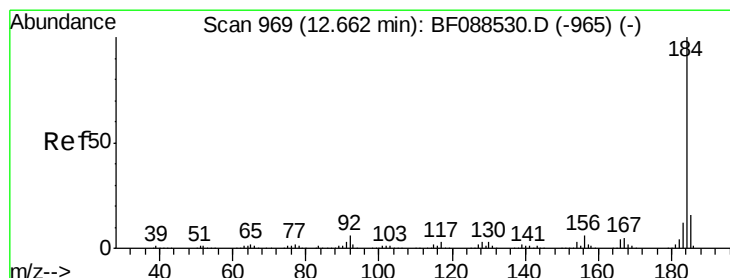
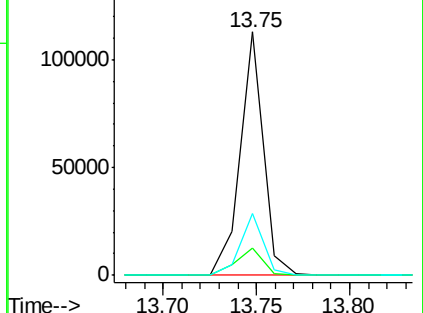
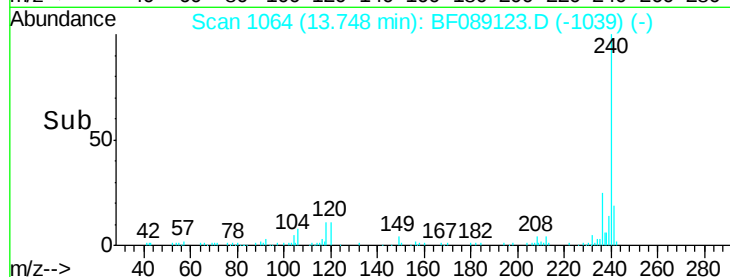
236 25.4 20.2 30.2



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



#76

Benzidine

Concen: 21.34 ng

RT: 12.46 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF089123.D

Acq: 19 Jul 2016 17:40

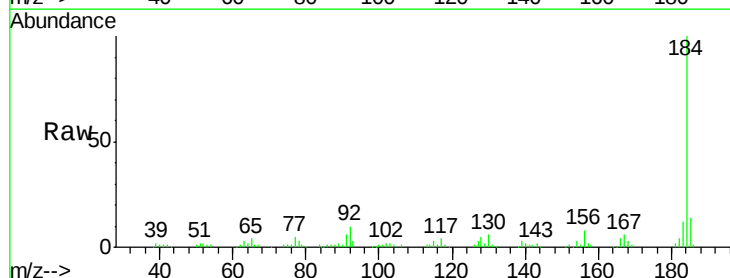
Tgt Ion:184 Resp: 105590

Ion Ratio Lower Upper

184 100

185 14.1 12.5 18.7

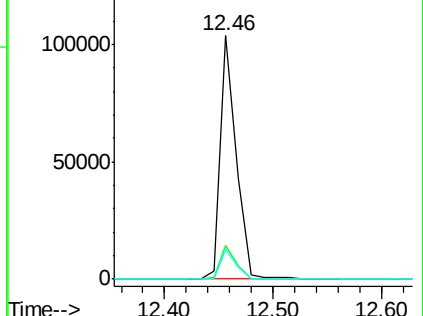
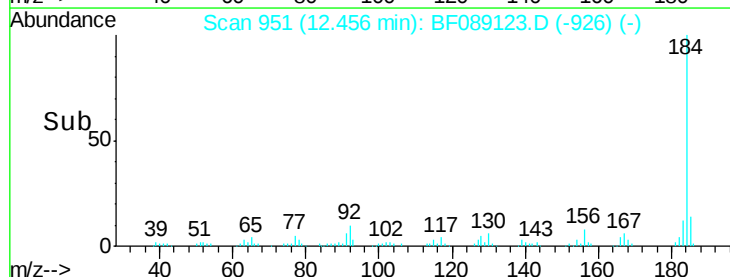
183 12.1 9.3 13.9

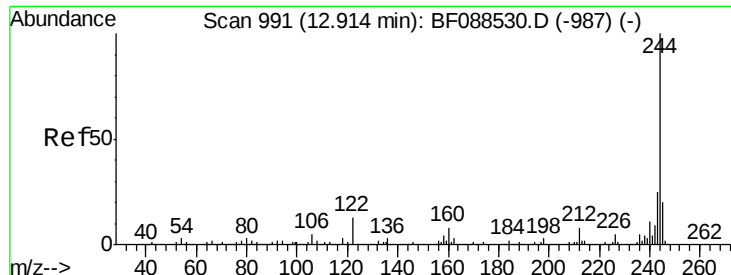


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

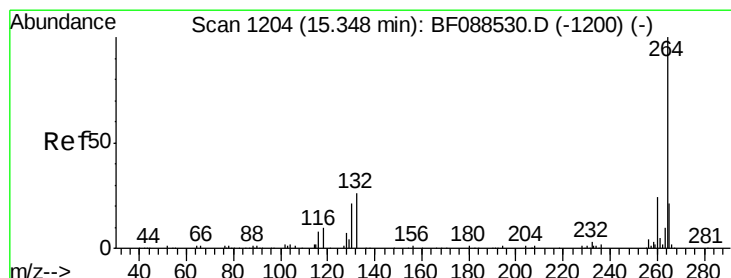
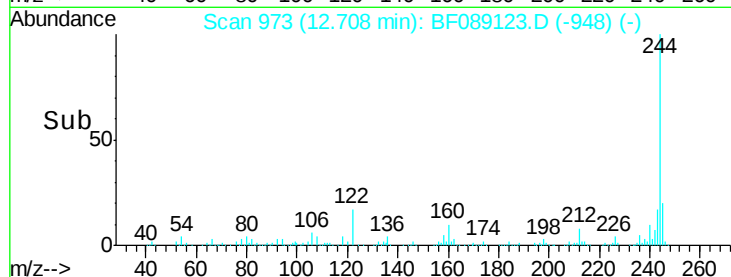
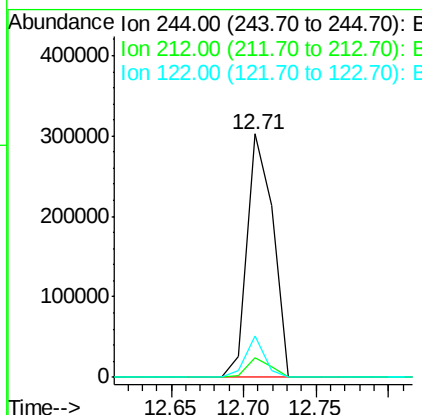
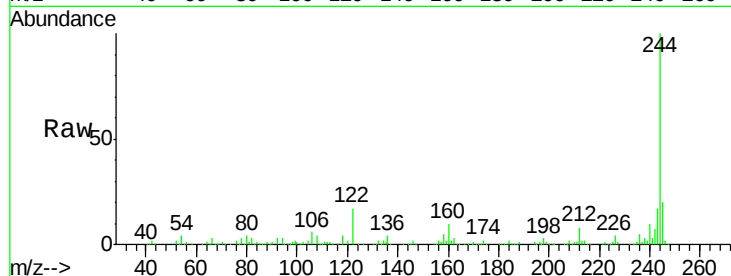




#78
 Terphenyl-d14
 Concen: 85.12 ng
 RT: 12.71 min Scan# 973
 Delta R.T. -0.01 min
 Lab File: BF089123.D
 Acq: 19 Jul 2016 17:40

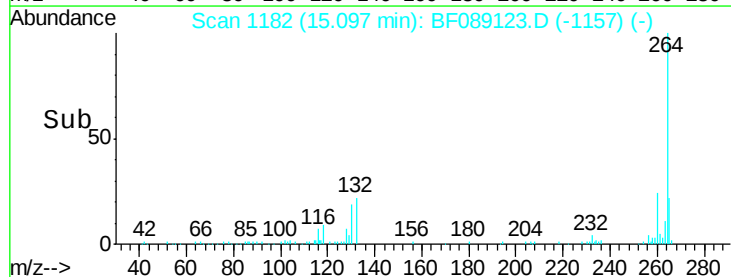
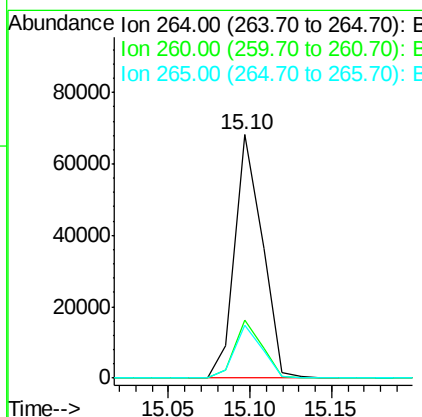
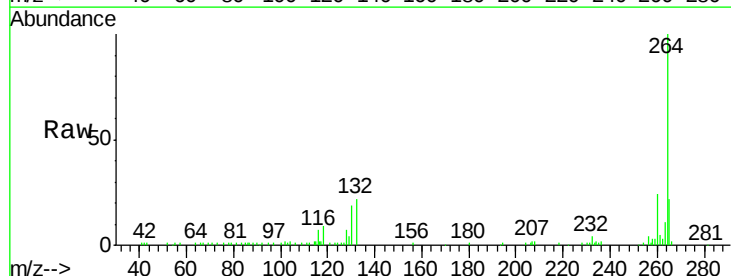
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-60-071116

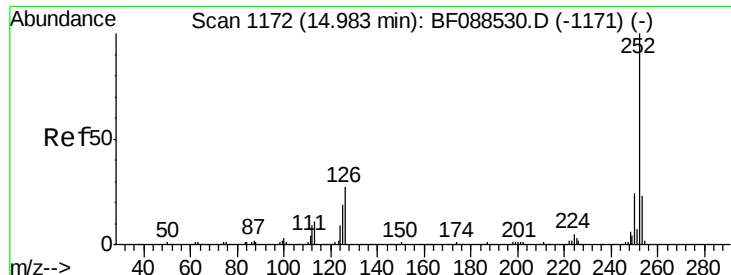
Tgt Ion:244 Resp: 374061
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.0 9.0
 122 17.0 11.2 16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.10 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF089123.D
 Acq: 19 Jul 2016 17:40

Tgt Ion:264 Resp: 79470
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.7 16.9 25.3





#88

Benzo(k)fluoranthene

Concen: 2.25 ng

RT: 14.73 min Scan# 1150

Delta R.T. -0.03 min

Lab File: BF089123.D

Acq: 19 Jul 2016 17:40

Instrument :

BNA_F

ClientSampleId :

HSR-WC-60-071116

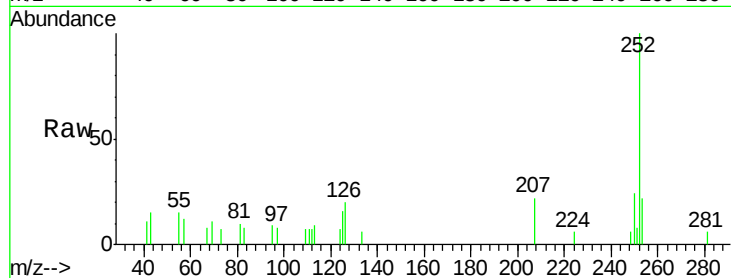
Tgt Ion:252 Resp: 9743

Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

125 15.8 11.2 16.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

