

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071516\
 Data File : BF089035.D
 Acq On : 16 Jul 2016 00:34
 Operator : UM/SJ
 Sample : H3951-15 20X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB05(2-4ft)

Quant Time: Jul 16 01:22:44 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 16 00:31:51 2016
 Response via : Initial Calibration

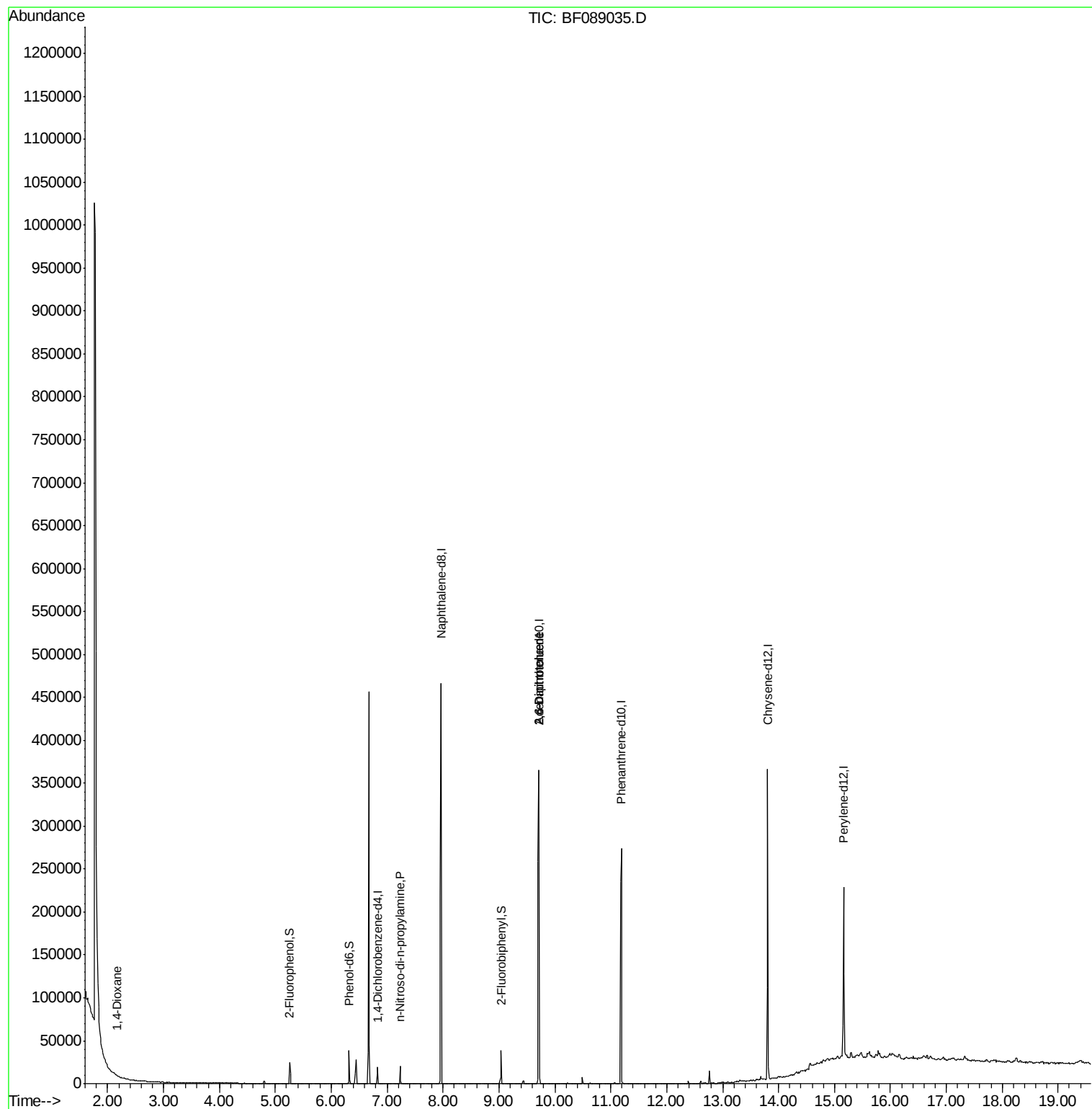
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	4535	20.00	ng	0.16
21) Naphthalene-d8	7.96	136	238741	20.00	ng	0.00
38) Acenaphthene-d10	9.71	164	92416	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	141420	20.00	ng	0.00
75) Chrysene-d12	13.81	240	118306	20.00	ng	-0.01
86) Perylene-d12	15.17	264	80922	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	8347	27.58	ng	-0.01
7) Phenol-d6	6.32	99	12281	31.41	ng	-0.01
23) Nitrobenzene-d5	7.23	82	6769	1.49	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	1415	1.65	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	14252	2.44	ng	0.00
78) Terphenyl-d14	12.77	244	7833	1.47	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	2.17	88	420	2.80	ng	# 87
19) n-Nitroso-di-n-propylamine	7.23	70	783	2.98	ng	# 81
50) 2,6-Dinitrotoluene	9.71	165	11526	7.90	ng	# 37
56) 2,4-Dinitrotoluene	9.71	165	11526	6.04	ng	# 36

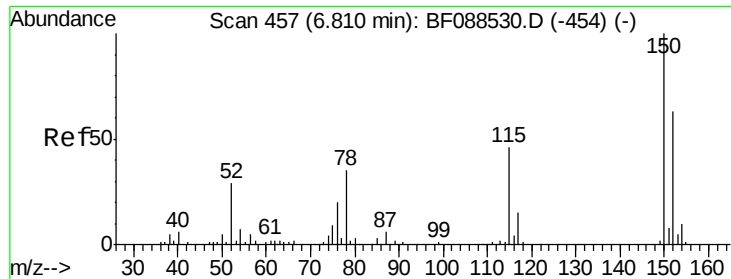
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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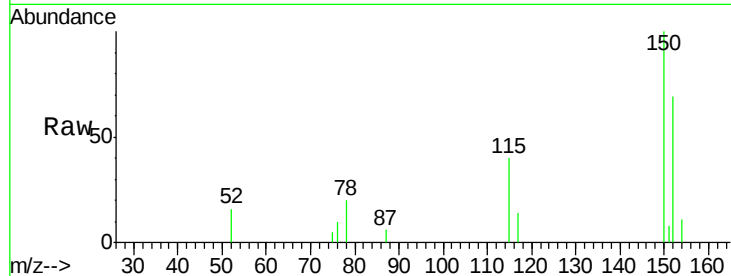


#1

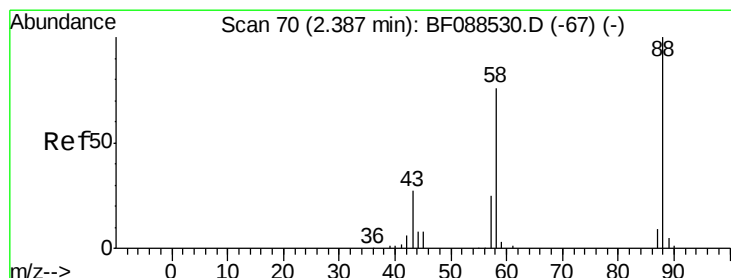
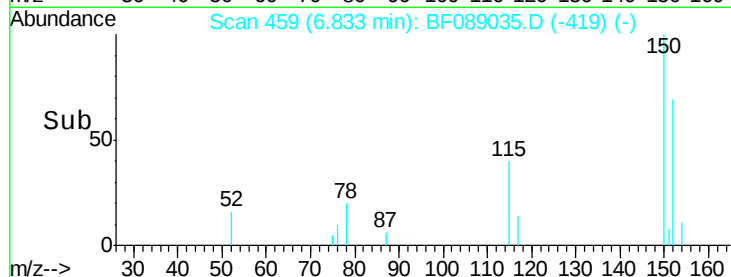
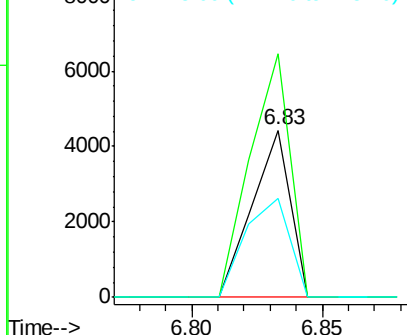
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 459
Delta R.T. 0.16 min
Lab File: BF089035.D
Acq: 16 Jul 2016 00:34

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB05(2-4ft)

Tgt Ion:152 Resp: 4535
Ion Ratio Lower Upper
152 100
150 145.8 123.8 185.6
115 59.0 39.6 59.4



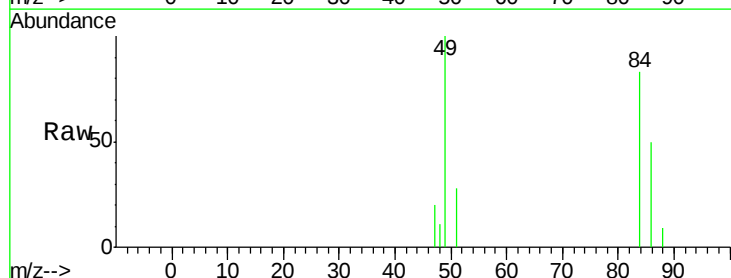
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



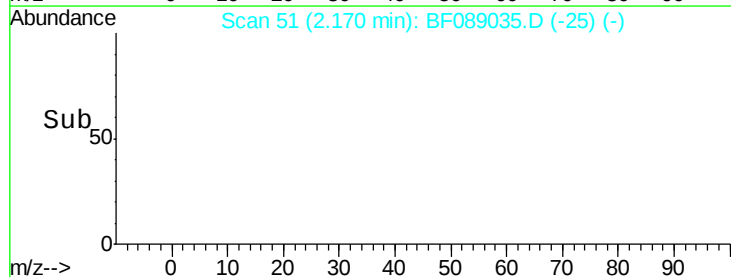
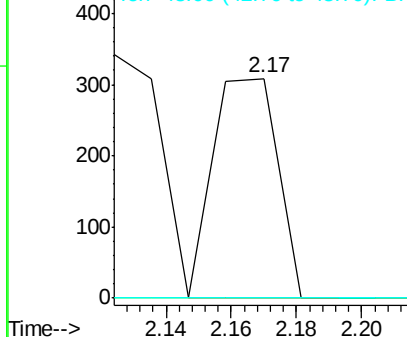
#2

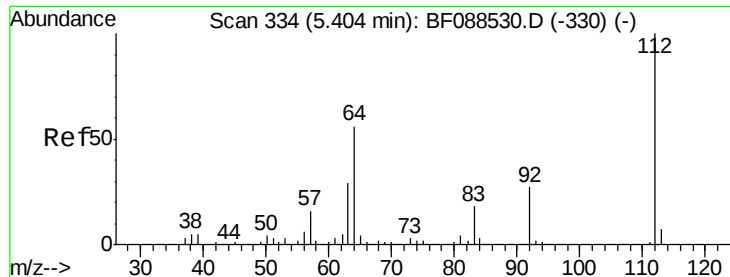
1,4-Dioxane
Concen: 2.80 ng
RT: 2.17 min Scan# 51
Delta R.T. 0.00 min
Lab File: BF089035.D
Acq: 16 Jul 2016 00:34

Tgt Ion: 88 Resp: 420
Ion Ratio Lower Upper
88 100
58 0.0 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





#5

2-Fluorophenol

Concen: 27.58 ng

RT: 5.26 min Scan# 321

Delta R.T. -0.01 min

Lab File: BF089035.D

Acq: 16 Jul 2016 00:34

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB05(2-4ft)

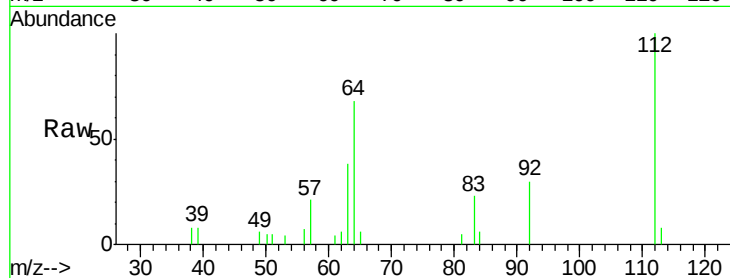
Tgt Ion: 112 Resp: 8347

Ion Ratio Lower Upper

112 100

64 67.7 42.2 63.2#

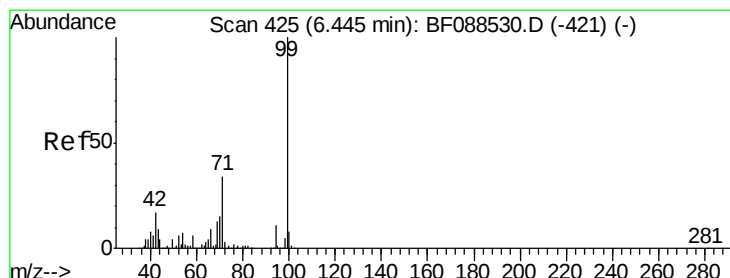
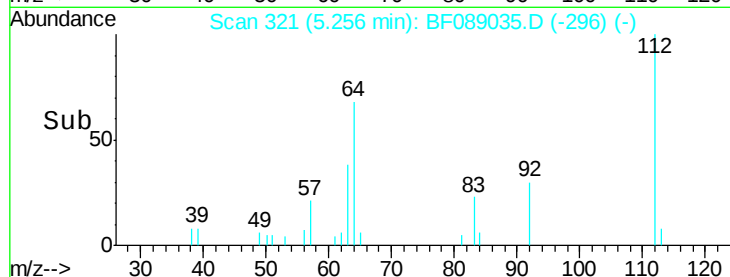
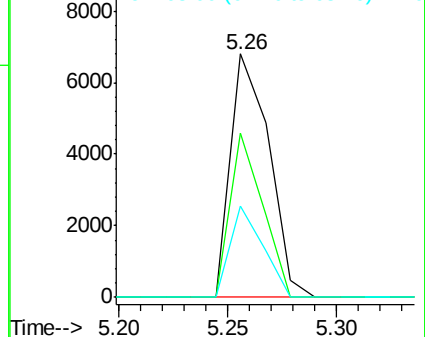
63 37.7 21.8 32.8#



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



#7

Phenol-d6

Concen: 31.41 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF089035.D

Acq: 16 Jul 2016 00:34

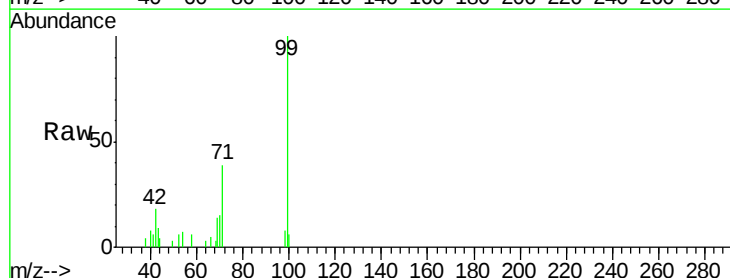
Tgt Ion: 99 Resp: 12281

Ion Ratio Lower Upper

99 100

42 18.1 12.2 18.2

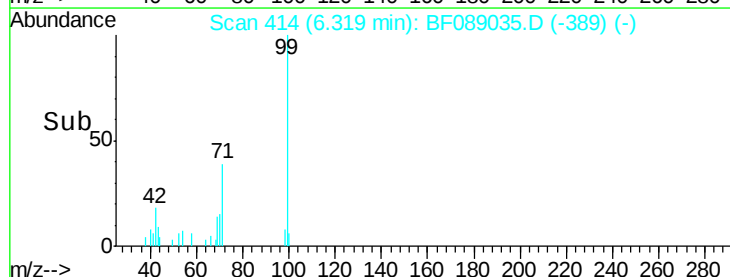
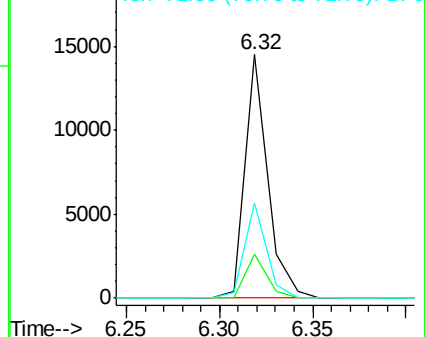
71 39.3 23.4 35.0#

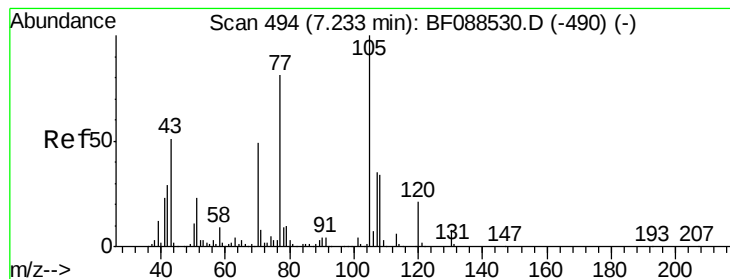


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 2.98 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.13 min

Lab File: BF089035.D

Acq: 16 Jul 2016 00:34

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB05(2-4ft)

Tgt Ion: 70 Resp: 783

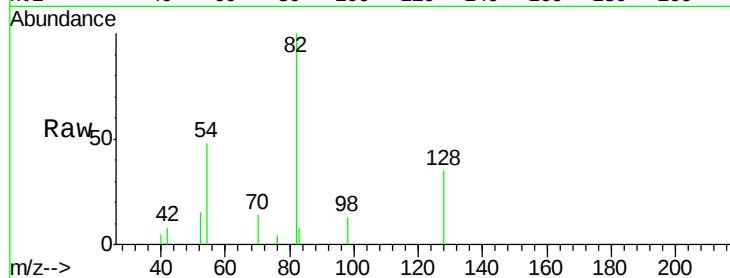
Ion Ratio Lower Upper

70 100

42 53.9 49.6 74.4

101 0.0 7.1 10.7#

130 0.0 15.4 23.2#

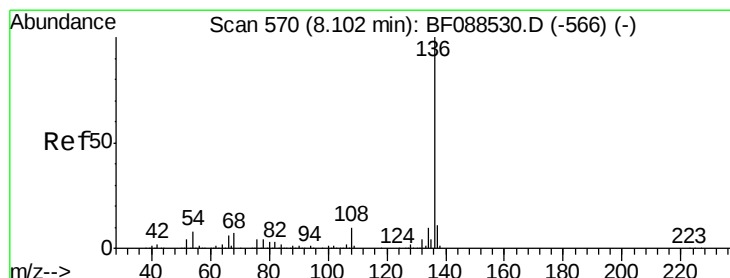
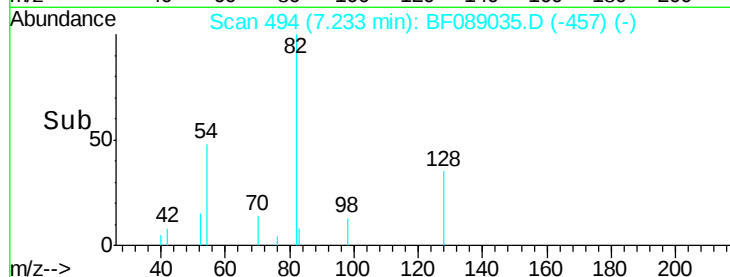
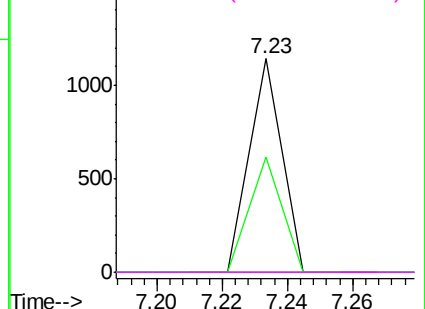


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. 0.00 min

Lab File: BF089035.D

Acq: 16 Jul 2016 00:34

Tgt Ion: 136 Resp: 238741

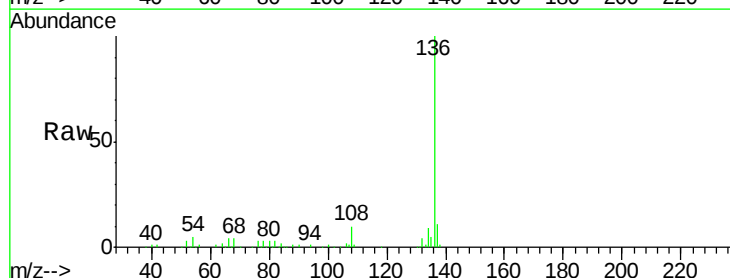
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.3 6.6 10.0#

68 4.4 5.1 7.7#

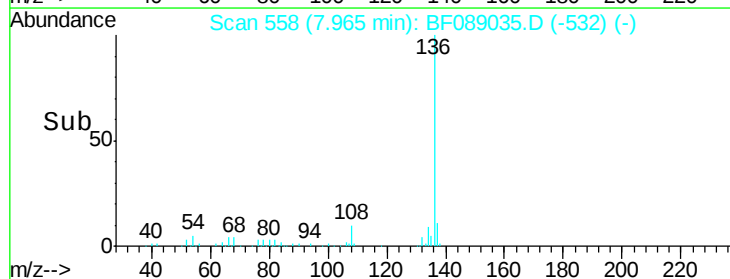
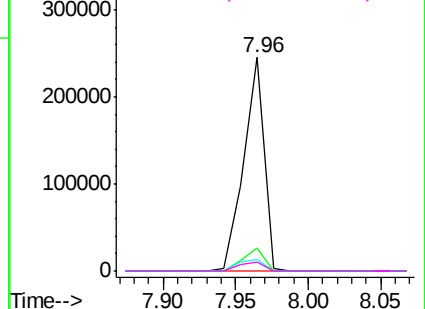


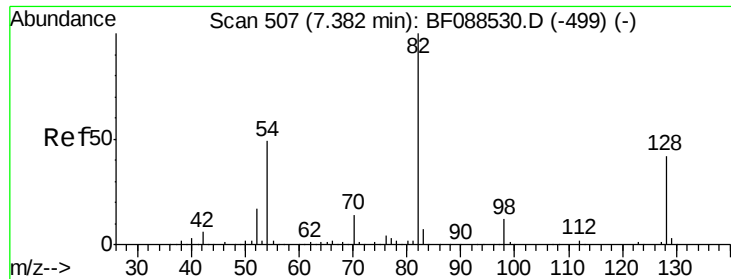
Abundance Ion 136.00 (135.70 to 136.70): E

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

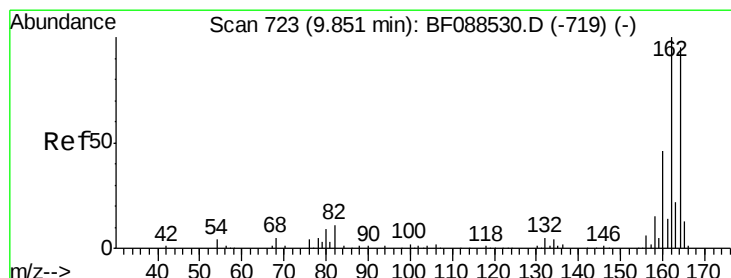
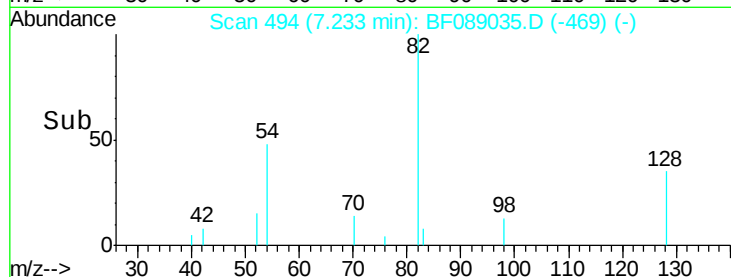
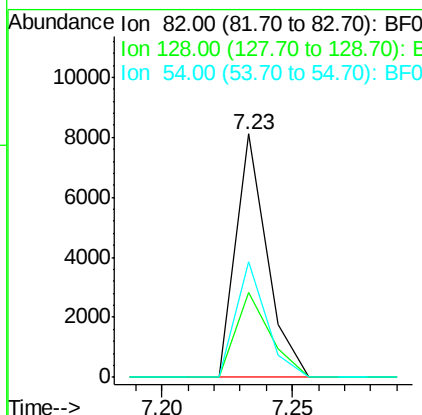
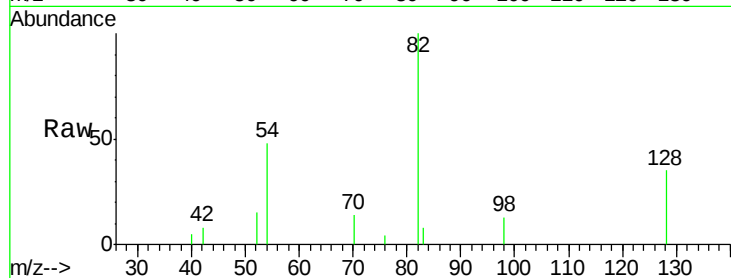




#23
 Nitrobenzene-d5
 Concen: 1.49 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: BF089035.D
 Acq: 16 Jul 2016 00:34

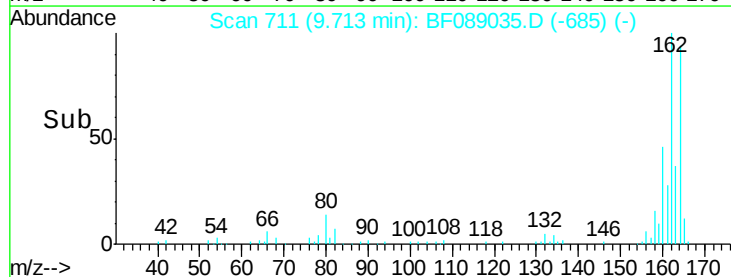
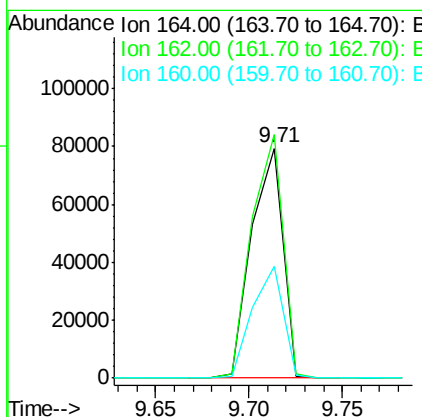
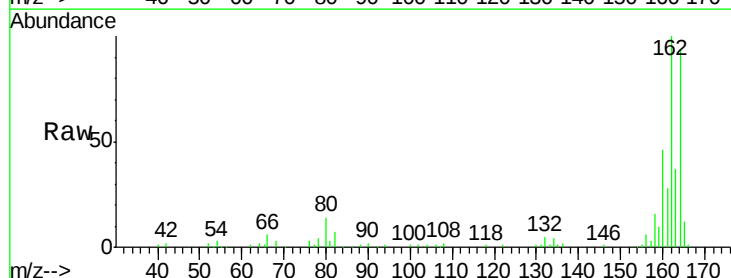
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB05(2-4ft)

Tgt Ion: 82 Resp: 6769
 Ion Ratio Lower Upper
 82 100
 128 34.8 35.9 53.9#
 54 47.7 40.9 61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BF089035.D
 Acq: 16 Jul 2016 00:34

Tgt Ion: 164 Resp: 92416
 Ion Ratio Lower Upper
 164 100
 162 105.9 85.4 128.2
 160 48.8 39.5 59.3

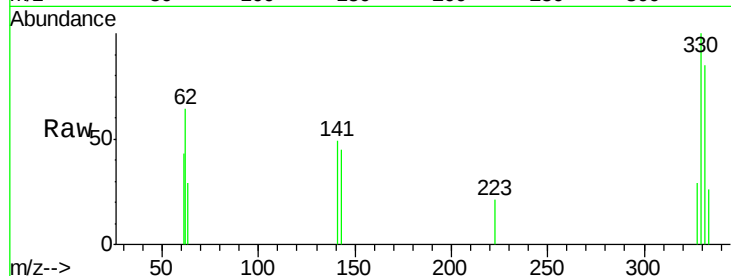




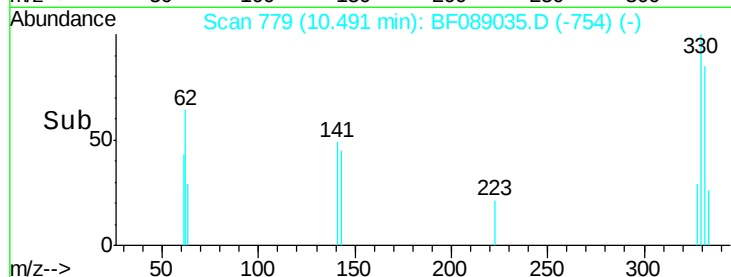
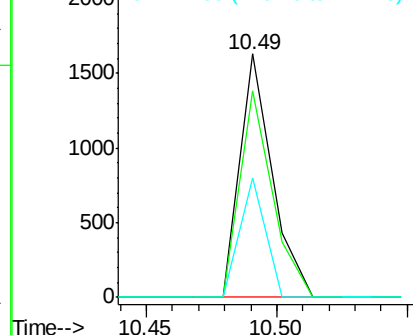
#41
 2,4,6-Tribromophenol
 Concen: 1.65 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089035.D
 Acq: 16 Jul 2016 00:34

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB05(2-4ft)

Tgt Ion: 330 Resp: 1415
 Ion Ratio Lower Upper
 330 100
 332 85.2 0.0 0.0#
 141 38.7 0.0 0.0#

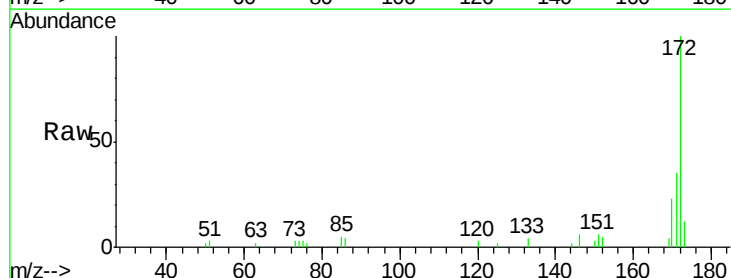


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

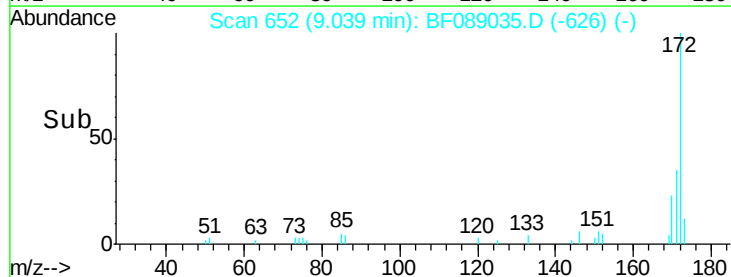
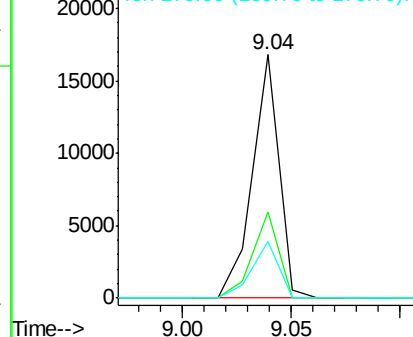


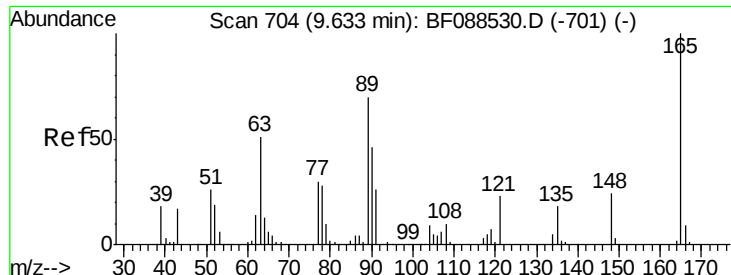
#44
 2-Fluorobiphenyl
 Concen: 2.44 ng
 RT: 9.04 min Scan# 652
 Delta R.T. 0.00 min
 Lab File: BF089035.D
 Acq: 16 Jul 2016 00:34

Tgt Ion: 172 Resp: 14252
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.6 43.0
 170 23.1 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

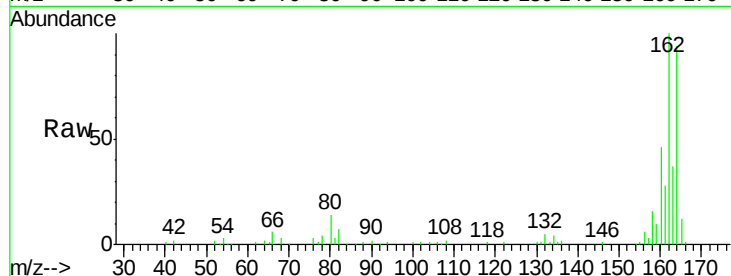




#50
 2,6-Dinitrotoluene
 Concen: 7.90 ng
 RT: 9.71 min Scan# 711
 Delta R.T. 0.21 min
 Lab File: BF089035.D
 Acq: 16 Jul 2016 00:34

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB05(2-4ft)

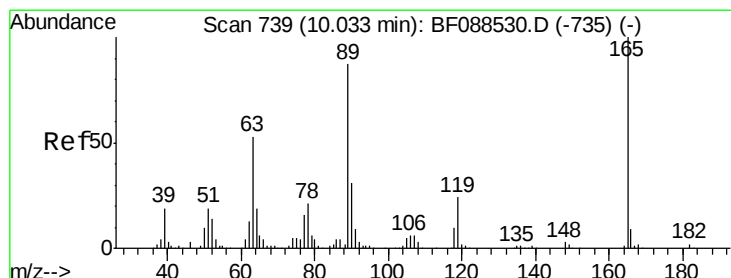
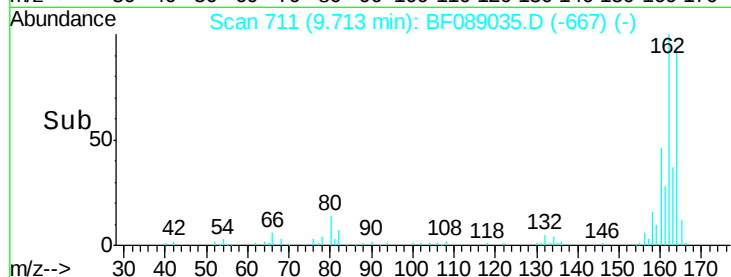
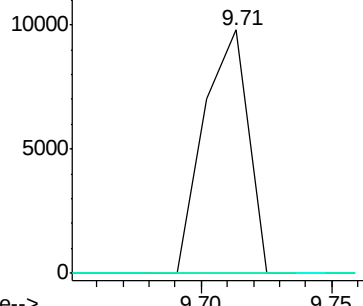
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



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: 6.04 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.19 min
 Lab File: BF089035.D
 Acq: 16 Jul 2016 00:34

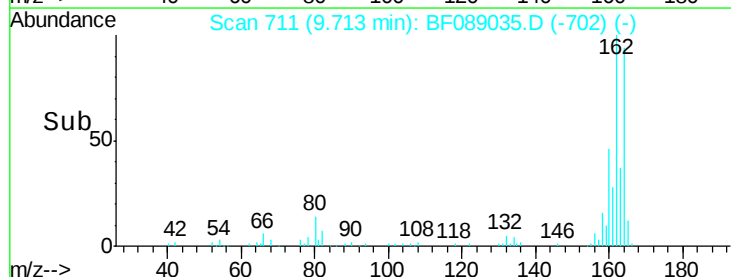
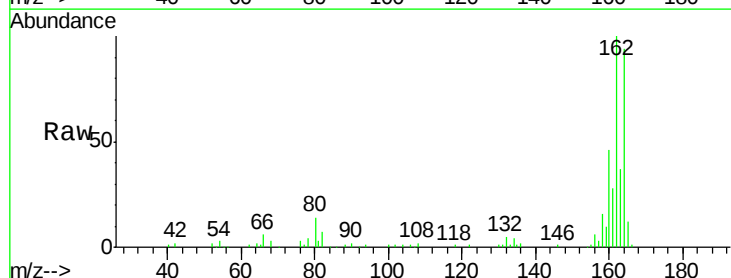
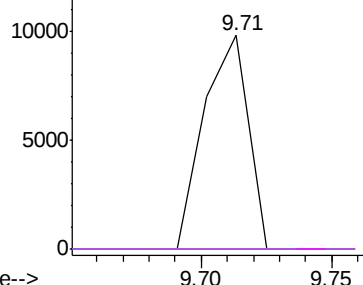
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

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

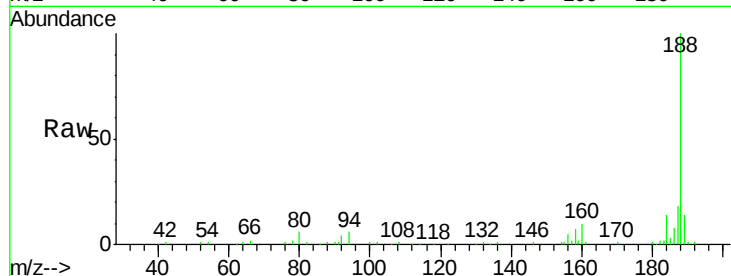




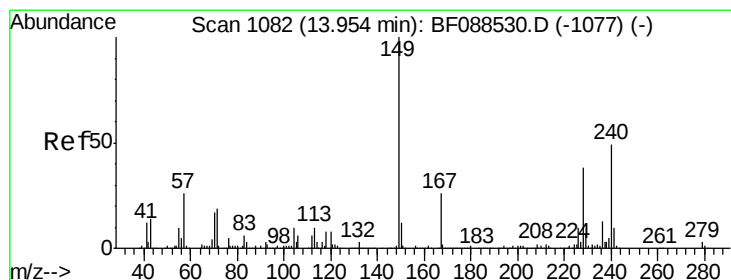
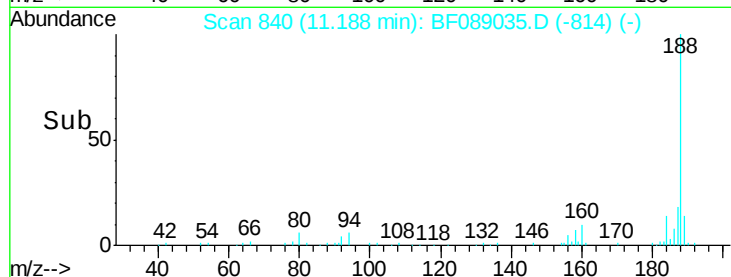
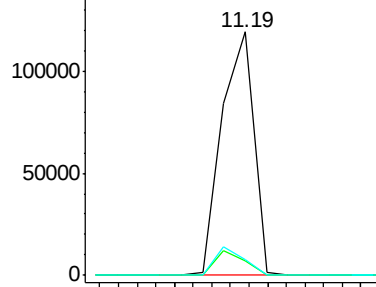
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF089035.D
Acq: 16 Jul 2016 00:34

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB05(2-4ft)

Tgt Ion:188 Resp: 141420
Ion Ratio Lower Upper
188 100
94 5.9 9.0 13.6#
80 6.5 10.0 15.0#

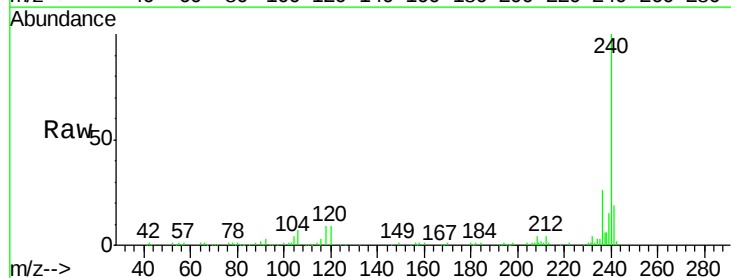


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

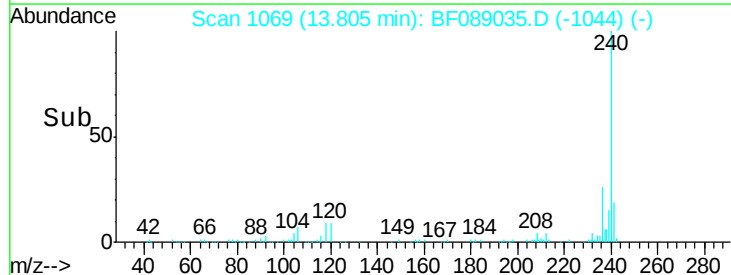
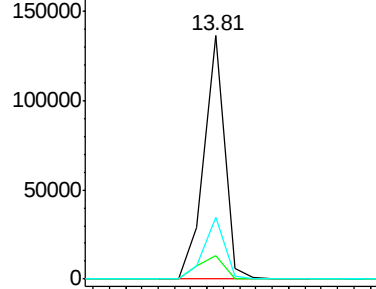


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.81 min Scan# 1069
Delta R.T. -0.01 min
Lab File: BF089035.D
Acq: 16 Jul 2016 00:34

Tgt Ion:240 Resp: 118306
Ion Ratio Lower Upper
240 100
120 9.4 6.8 10.2
236 25.6 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: 1.47 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.01 min

Lab File: BF089035.D

Acq: 16 Jul 2016 00:34

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB05(2-4ft)

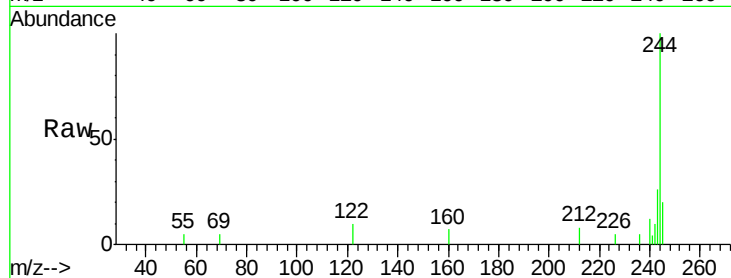
Tgt Ion:244 Resp: 7833

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

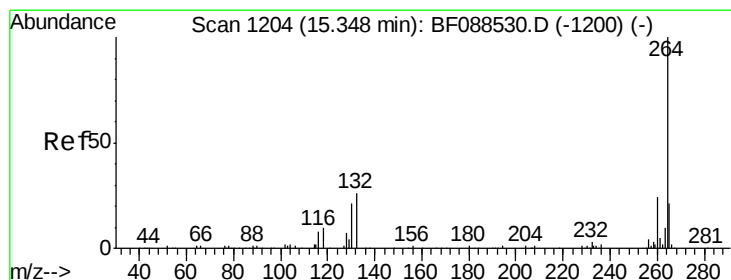
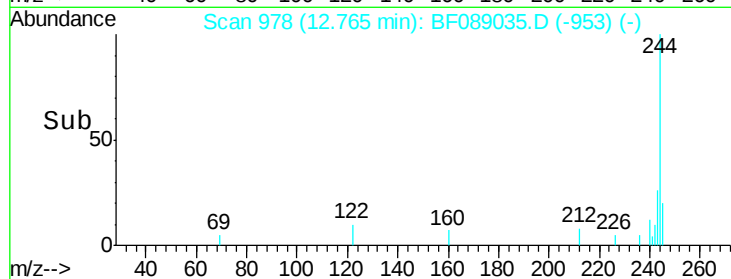
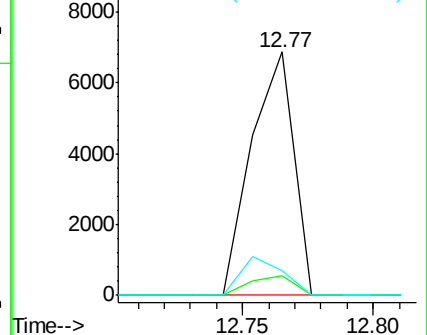
122 10.1 11.2 16.8#



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: 15.17 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF089035.D

Acq: 16 Jul 2016 00:34

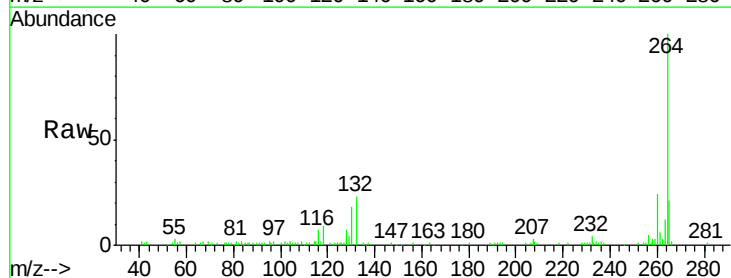
Tgt Ion:264 Resp: 80922

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 20.9 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

