

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
 Data File : BF089503.D
 Acq On : 1 Aug 2016 9:42
 Operator : UM/SJ
 Sample : H4307-01DL 20X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1057-SOUTHDL

Quant Time: Aug 01 16:52:26 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

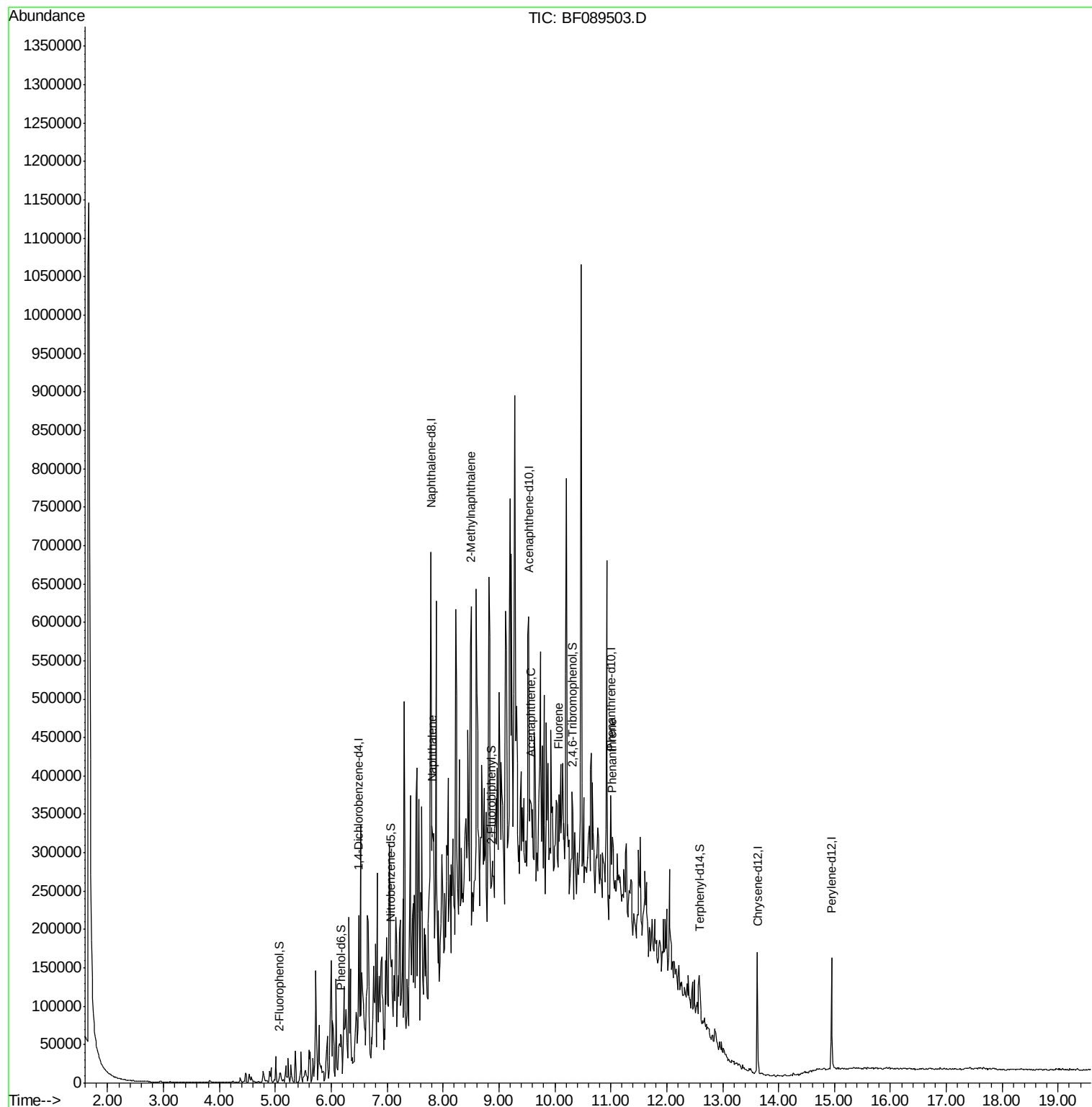
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	29965	20.00	ng	-0.06
21) Naphthalene-d8	7.78	136	116038	20.00	ng	-0.05
38) Acenaphthene-d10	9.53	164	46382	20.00	ng	-0.05
63) Phenanthrene-d10	11.00	188	87528	20.00	ng	-0.05
75) Chrysene-d12	13.62	240	77704	20.00	ng	-0.05
86) Perylene-d12	14.95	264	59181	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	11639	6.20	ng	-0.03
7) Phenol-d6	6.17	99	17913	7.22	ng	-0.03
23) Nitrobenzene-d5	7.07	82	16373	8.33	ng	-0.05
41) 2,4,6-Tribromophenol	10.32	330	2250	5.86	ng	-0.05
44) 2-Fluorobiphenyl	8.86	172	19134	6.05	ng	-0.06
78) Terphenyl-d14	12.58	244	17014	5.12	ng	-0.05
Target Compounds						
31) Naphthalene	7.80	128	82443	14.35	ng	# 95
37) 2-Methylnaphthalene	8.50	142	136423	39.40	ng	# 99
51) Acenaphthene	9.56	154	8812	3.23	ng	# 80
57) Fluorene	10.07	166	18897	5.82	ng	# 74
70) Phenanthrene	11.03	178	49178	10.89	ng	# 94

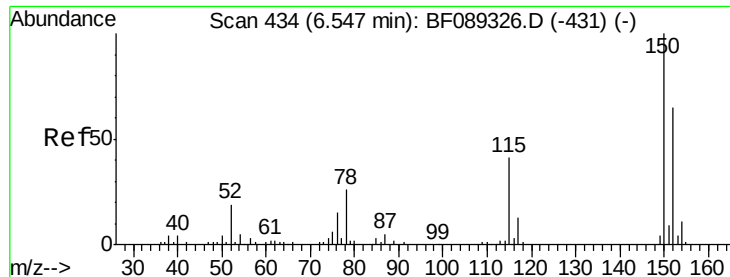
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.06 min

Lab File: BF089503.D

Acq: 1 Aug 2016 9:42

Instrument :

BNA_F

ClientSampleId :

1057-SOUTHDL

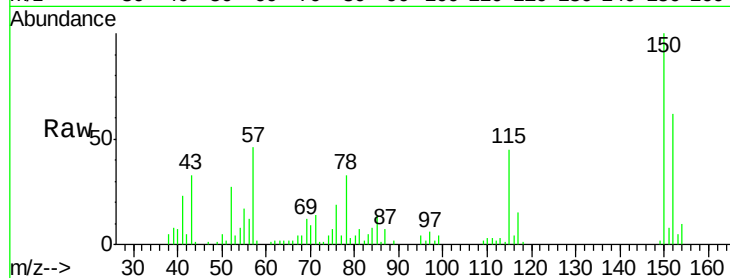
Tot Ion:152 Resp: 29965

Ion Ratio Lower Upper

152 100

150 161.8 129.5 194.3

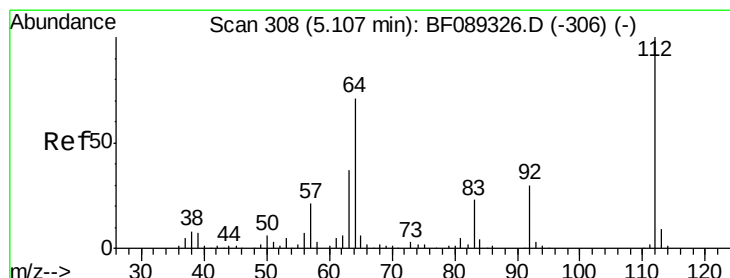
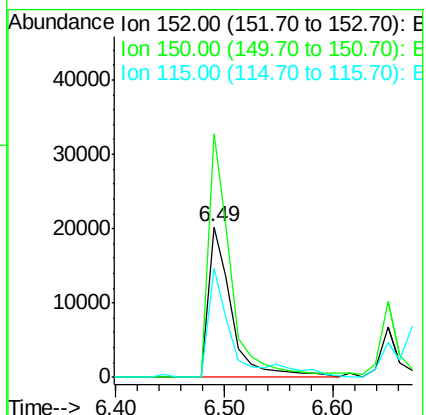
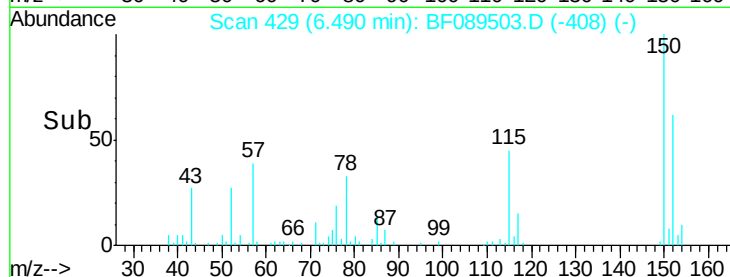
115 73.0 51.4 77.2



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: 6.20 ng

RT: 5.07 min Scan# 305

Delta R.T. -0.03 min

Lab File: BF089503.D

Acq: 1 Aug 2016 9:42

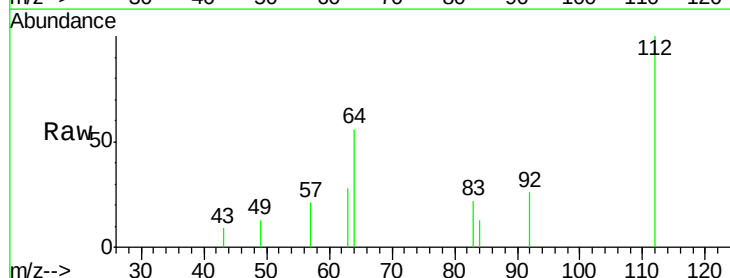
Tgt Ion:112 Resp: 11639

Ion Ratio Lower Upper

112 100

64 55.7 55.0 82.6

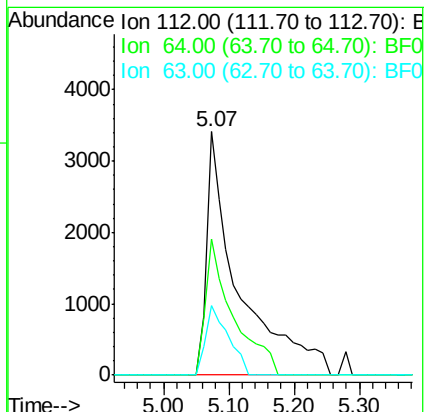
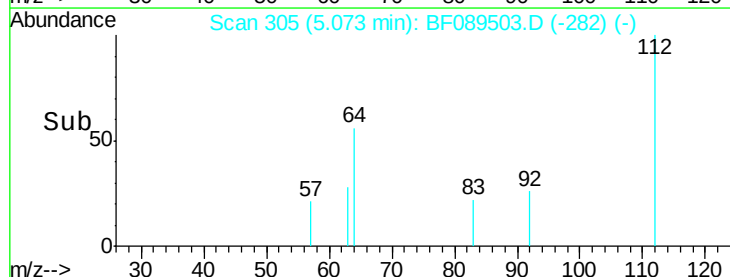
63 28.4 29.4 44.2#

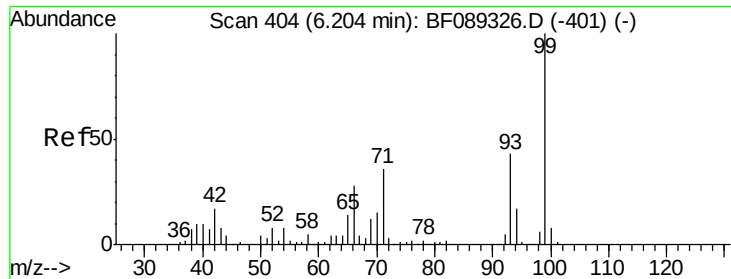


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 7.22 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.03 min

Lab File: BF089503.D

Acq: 1 Aug 2016 9:42

Instrument :

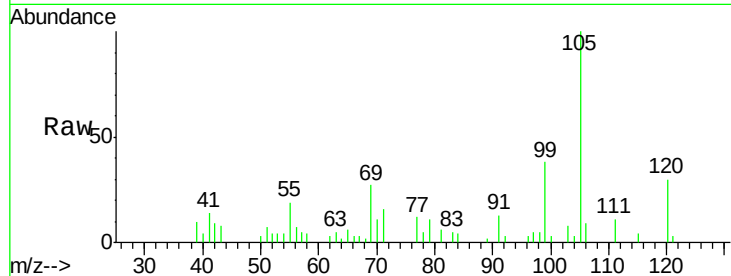
BNA_F

ClientSampleId :

1057-SOUTHDL

Tot Ion: 99 Resp: 17913

Ion	Ratio	Lower	Upper
99	100		
42	22.3	13.6	20.4#
71	40.3	29.4	44.2

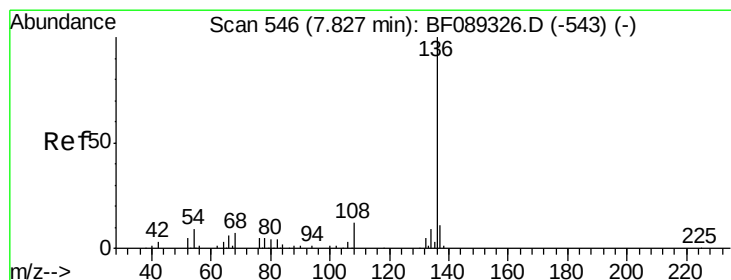
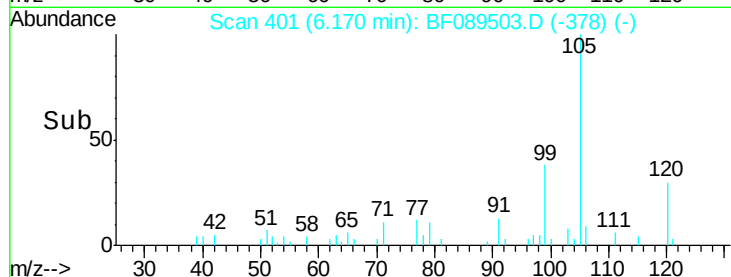
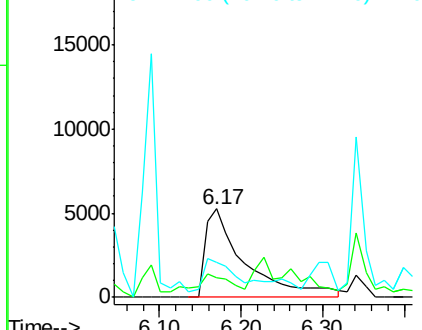


Abundance

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: 7.78 min Scan# 542

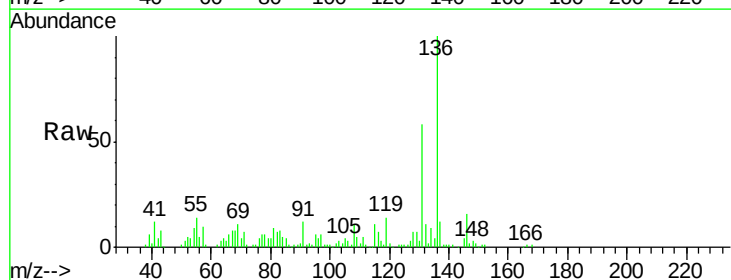
Delta R.T. -0.05 min

Lab File: BF089503.D

Acq: 1 Aug 2016 9:42

Tgt Ion: 136 Resp: 116038

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.6	13.0
54	9.1	7.0	10.4
68	7.8	4.9	7.3#



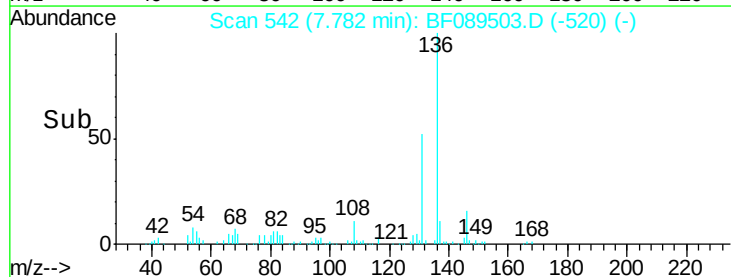
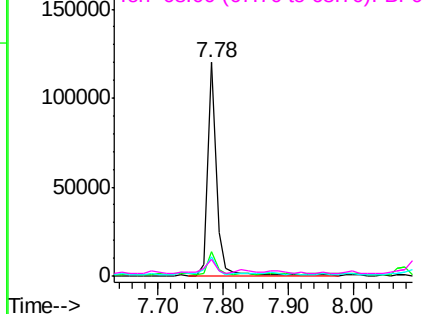
Abundance

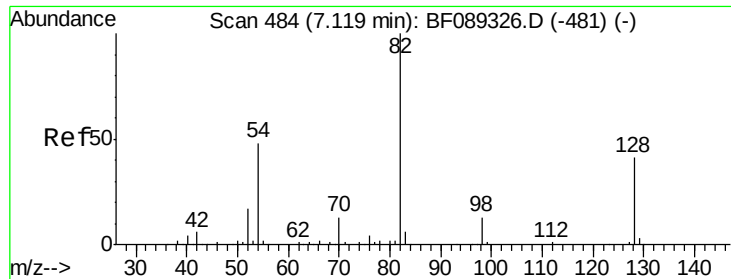
Ion 136.00 (135.70 to 136.70): E

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

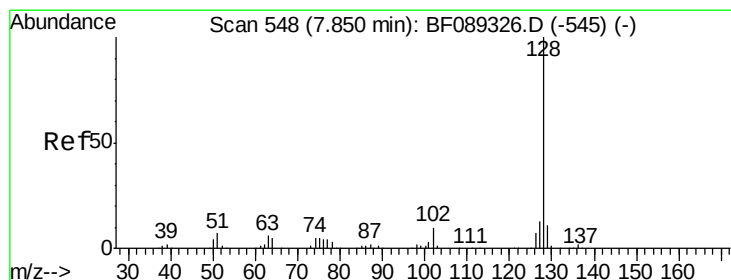
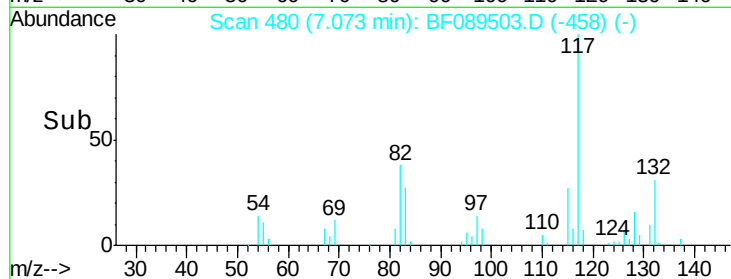
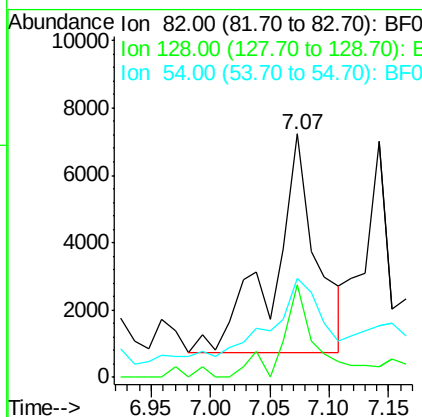
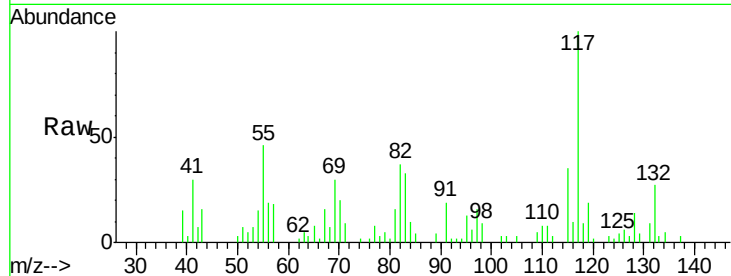




#23
 Nitrobenzene-d5
 Concen: 8.33 ng
 RT: 7.07 min Scan# 480
 Delta R.T. -0.05 min
 Lab File: BF089503.D
 Acq: 1 Aug 2016 9:42

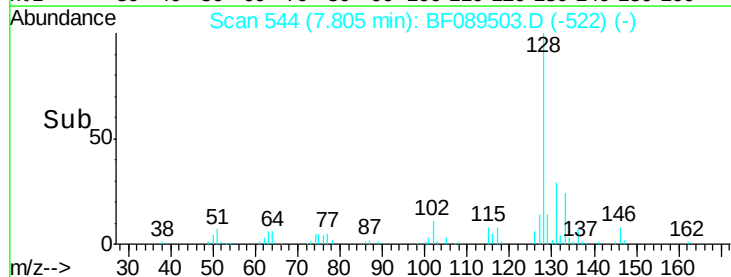
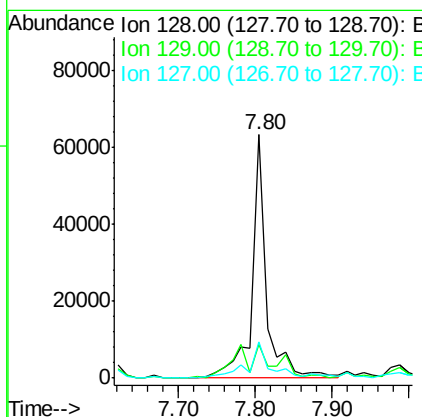
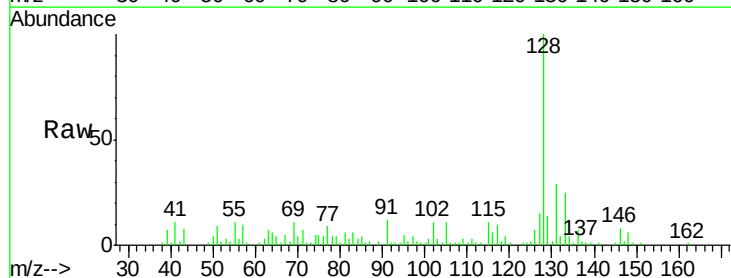
Instrument :
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 1057-SOUTHDL

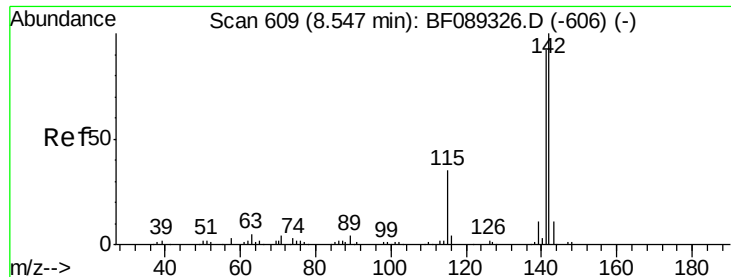
Tot Ion	82	Resp	16373
Ion Ratio	Lower	Upper	
82	100		
128	37.8	32.5	48.7
54	40.5	38.8	58.2



#31
 Naphthalene
 Concen: 14.35 ng
 RT: 7.80 min Scan# 544
 Delta R.T. -0.05 min
 Lab File: BF089503.D
 Acq: 1 Aug 2016 9:42

Tgt Ion	128	Resp	82443
Ion Ratio	Lower	Upper	
128	100		
129	13.9	8.8	13.2#
127	14.7	10.8	16.2

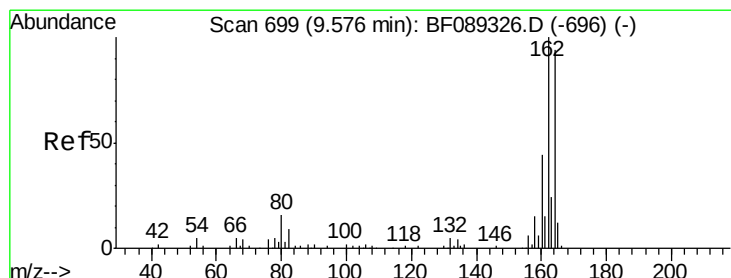
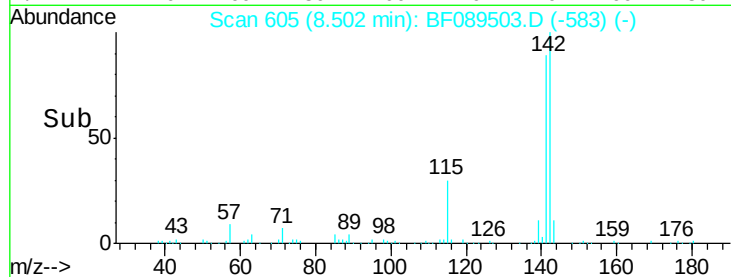
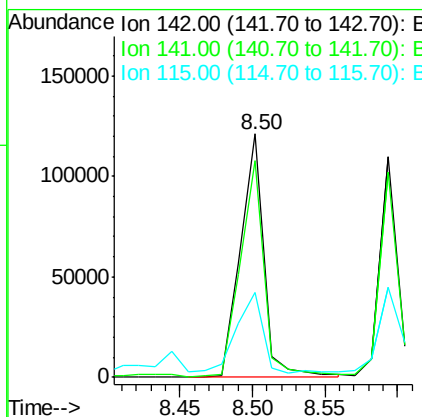
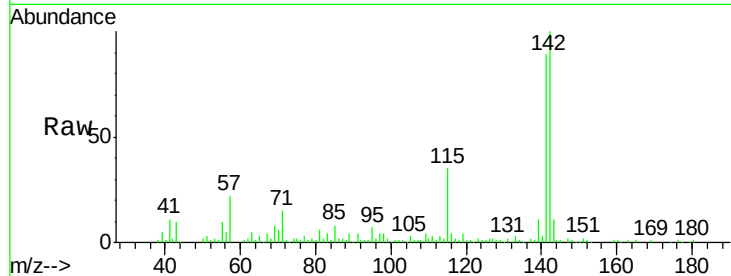




#37
2-Methylnaphthalene
Concen: 39.40 ng
RT: 8.50 min Scan# 605
Delta R.T. -0.05 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

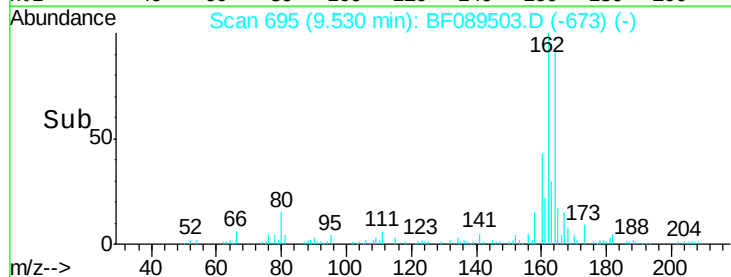
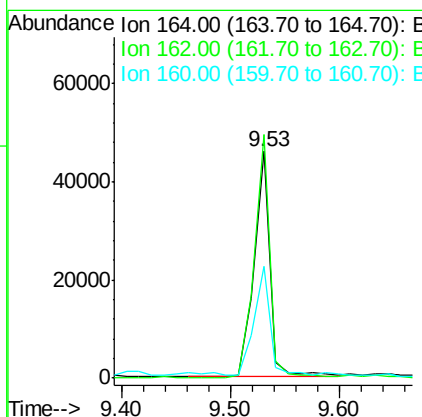
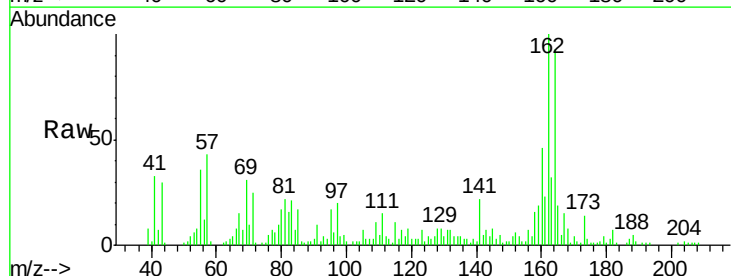
Instrument :
BNA_F
ClientSampleId :
1057-SOUTHDL

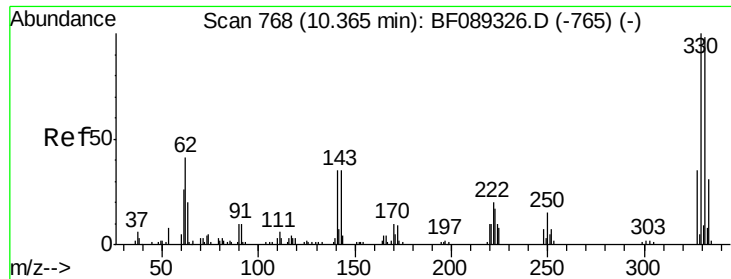
Tot Ion:142 Resp: 136423
Ion Ratio Lower Upper
142 100
141 89.3 70.9 106.3
115 35.1 27.6 41.4



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.53 min Scan# 695
Delta R.T. -0.05 min
Lab File: BF089503.D
Acq: 1 Aug 2016 9:42

Tgt Ion:164 Resp: 46382
Ion Ratio Lower Upper
164 100
162 107.4 83.7 125.5
160 49.0 37.8 56.6

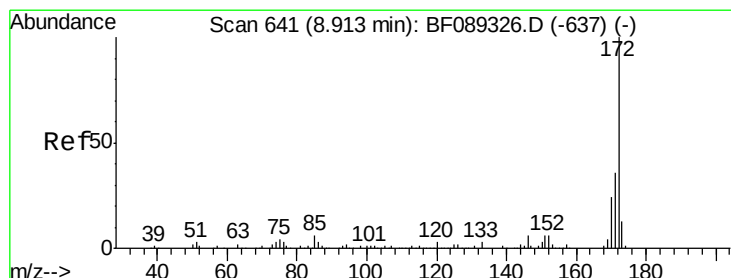
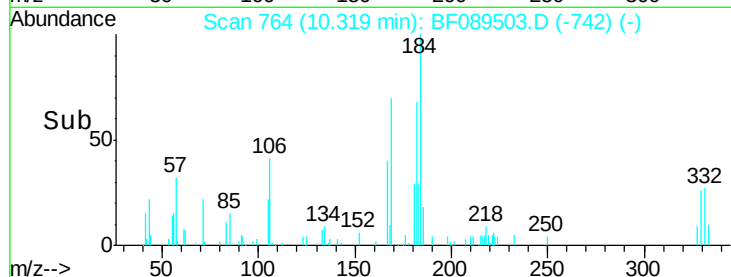
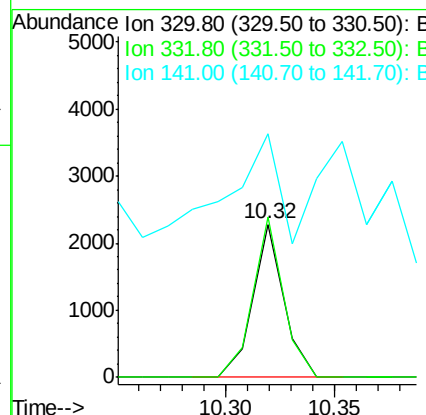
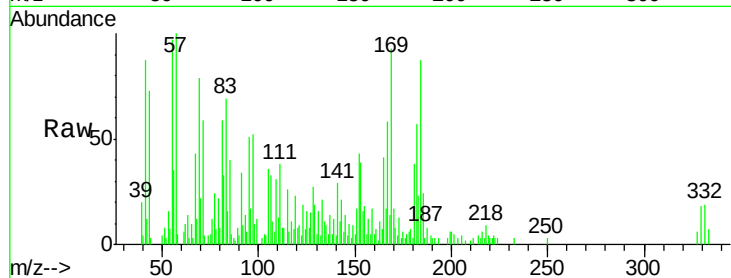




#41
 2,4,6-Tribromophenol
 Concen: 5.86 ng
 RT: 10.32 min Scan# 764
 Delta R.T. -0.05 min
 Lab File: BF089503.D
 Acq: 1 Aug 2016 9:42

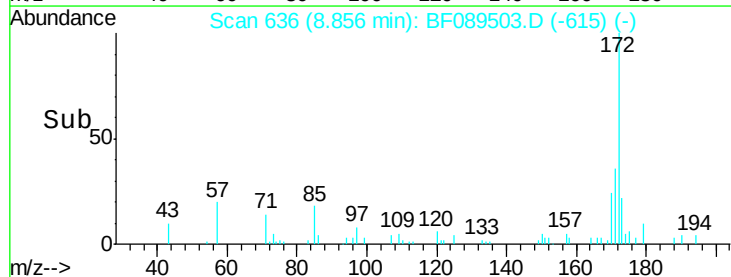
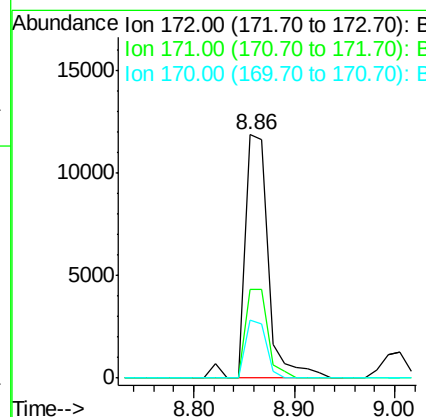
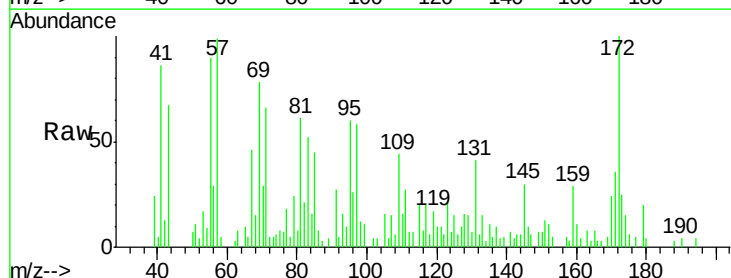
Instrument :
 BNA_F
 ClientSampleId :
 1057-SOUTHDL

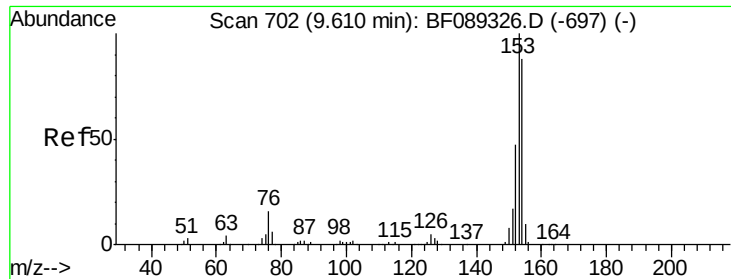
Tot Ion:330 Resp: 2250
 Ion Ratio Lower Upper
 330 100
 332 104.1 76.8 115.2
 141 119.2 37.3 55.9#



#44
 2-Fluorobiphenyl
 Concen: 6.05 ng
 RT: 8.86 min Scan# 636
 Delta R.T. -0.06 min
 Lab File: BF089503.D
 Acq: 1 Aug 2016 9:42

Tgt Ion:172 Resp: 19134
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.2 43.8
 170 23.6 19.2 28.8





#51

Acenaphthene

Concen: 3.23 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.05 min

Lab File: BF089503.D

Acq: 1 Aug 2016 9:42

Instrument :

BNA_F

ClientSampleId :

1057-SOUTHDL

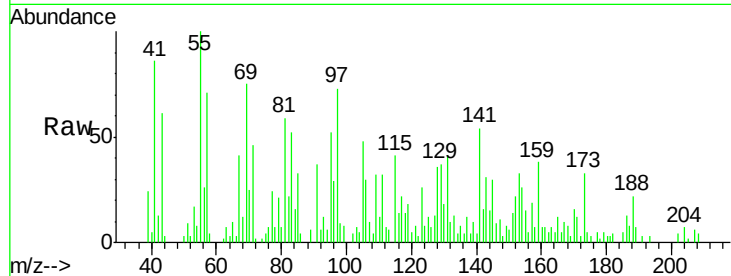
Tot Ion:154 Resp: 8812

Ion Ratio Lower Upper

154 100

153 125.3 91.4 137.2

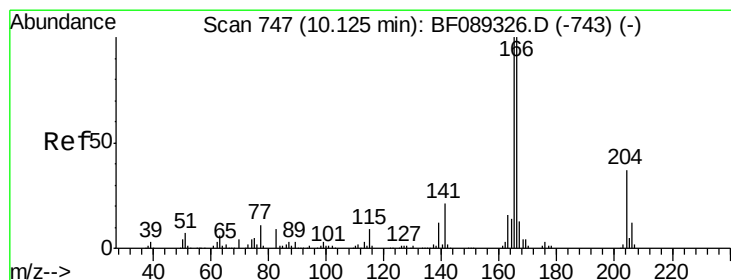
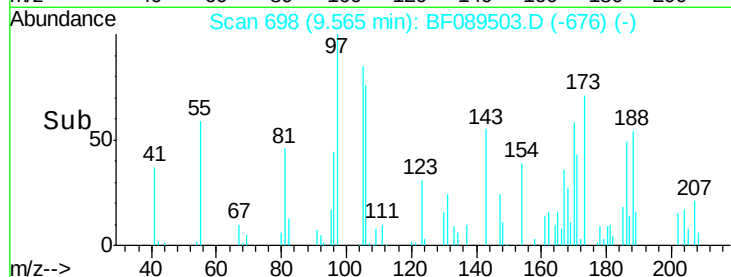
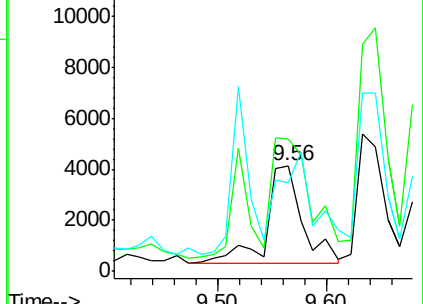
152 84.2 43.8 65.6#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 5.82 ng

RT: 10.07 min Scan# 742

Delta R.T. -0.06 min

Lab File: BF089503.D

Acq: 1 Aug 2016 9:42

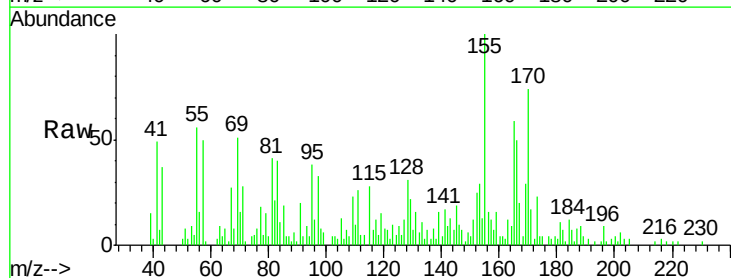
Tgt Ion:166 Resp: 18897

Ion Ratio Lower Upper

166 100

165 119.1 79.0 118.4#

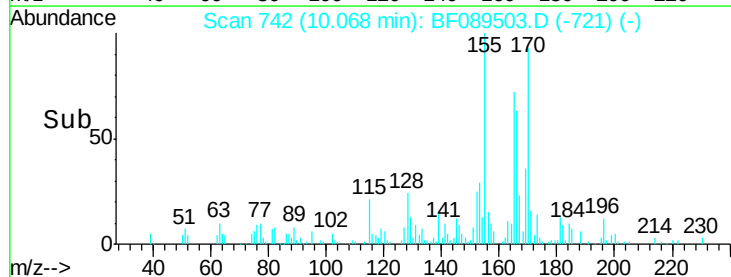
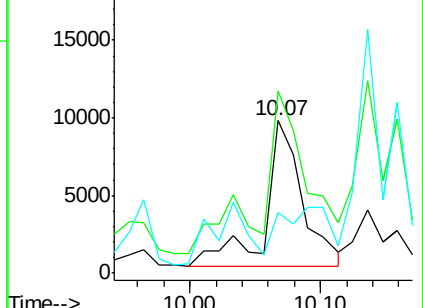
167 39.4 10.2 15.2#

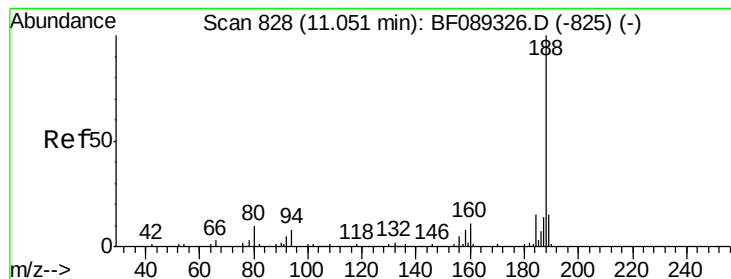


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.00 min Scan# 824

Delta R.T. -0.05 min

Lab File: BF089503.D

Acq: 1 Aug 2016 9:42

Instrument :

BNA_F

ClientSampleId :

1057-SOUTHDL

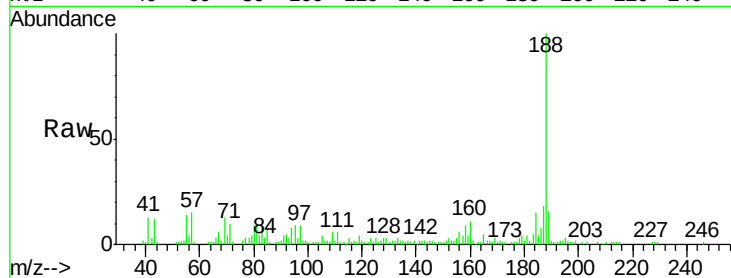
Tot Ion:188 Resp: 87528

Ion Ratio Lower Upper

188 100

94 8.3 6.5 9.7

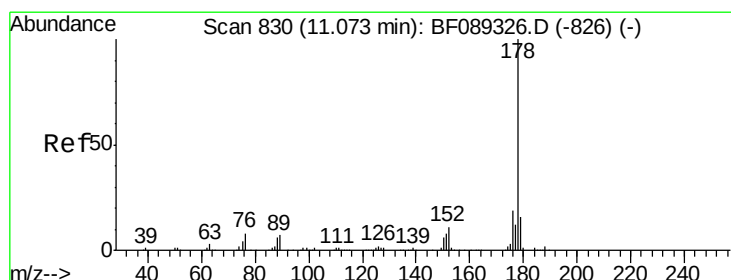
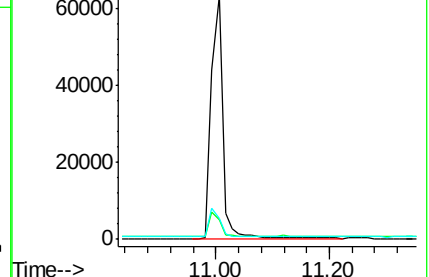
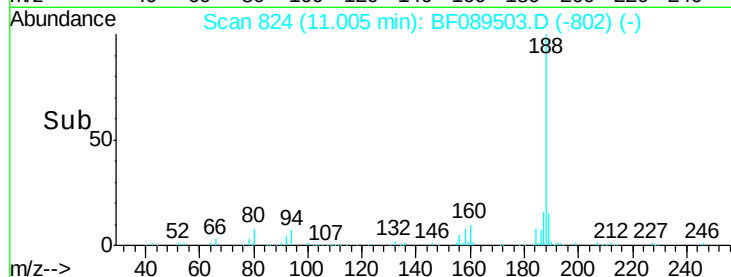
80 8.8 7.2 10.8



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



#70

Phenanthrene

Concen: 10.89 ng

RT: 11.03 min Scan# 826

Delta R.T. -0.05 min

Lab File: BF089503.D

Acq: 1 Aug 2016 9:42

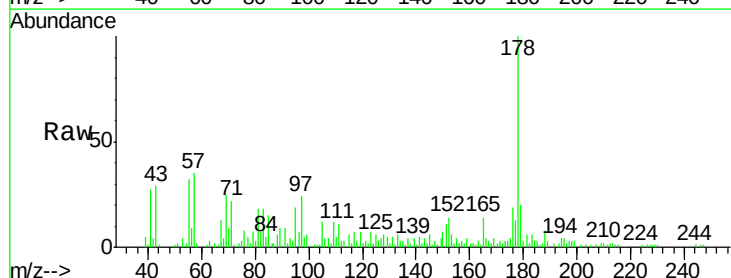
Tgt Ion:178 Resp: 49178

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

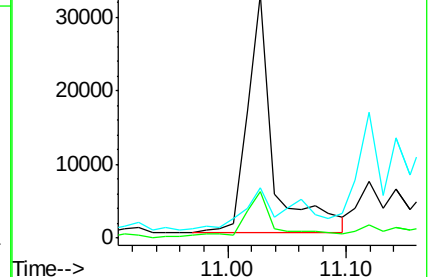
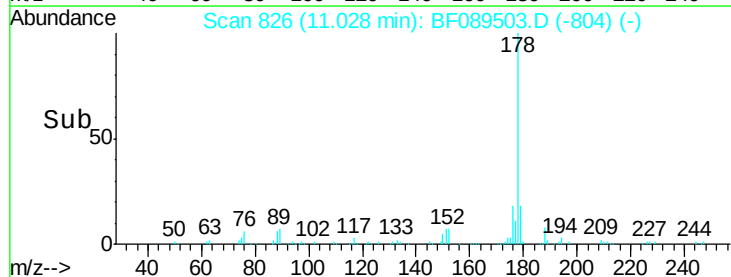
179 20.5 12.3 18.5#

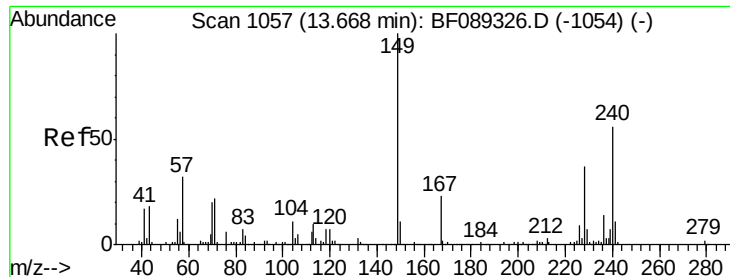


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.62 min Scan# 1053

Delta R.T. -0.05 min

Lab File: BF089503.D

Acq: 1 Aug 2016 9:42

Instrument :

BNA_F

ClientSampleId :

1057-SOUTHDL

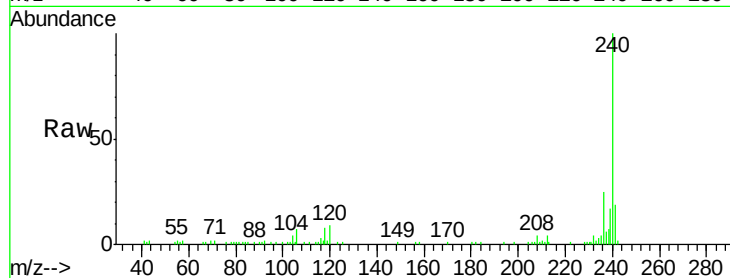
Tot Ion:240 Resp: 77704

Ion Ratio Lower Upper

240 100

120 8.7 9.1 13.7#

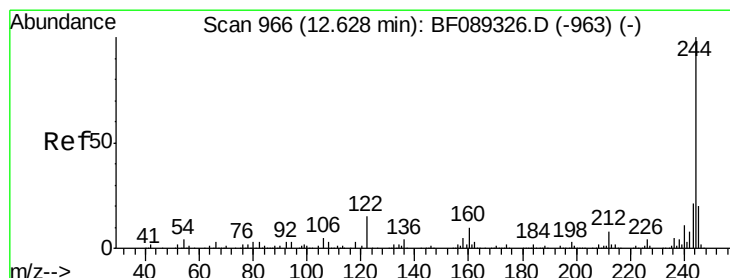
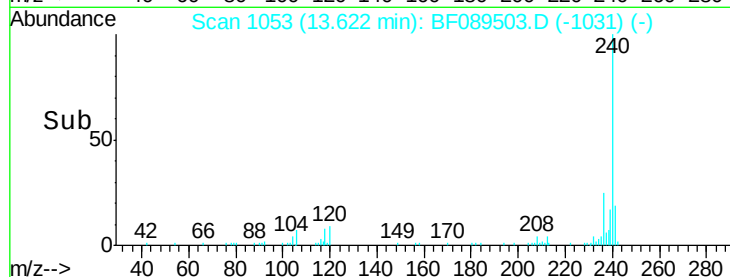
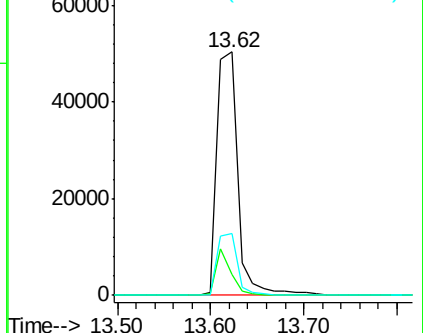
236 25.3 20.6 30.8



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: 5.12 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.05 min

Lab File: BF089503.D

Acq: 1 Aug 2016 9:42

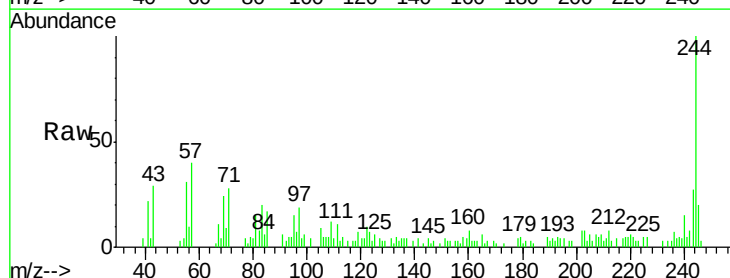
Tgt Ion:244 Resp: 17014

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

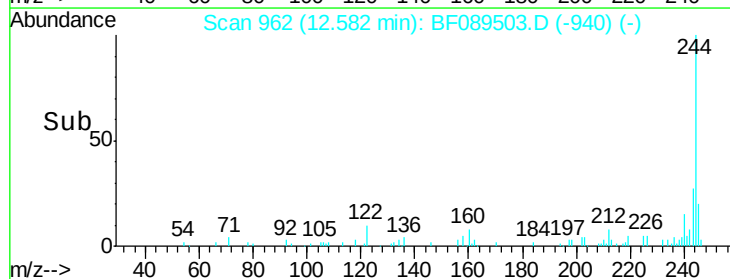
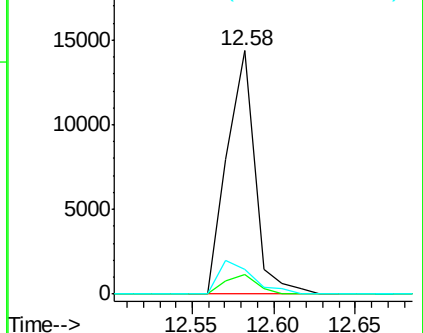
122 10.3 11.4 17.0#

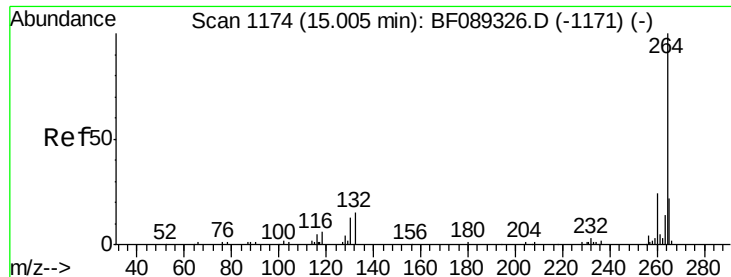


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

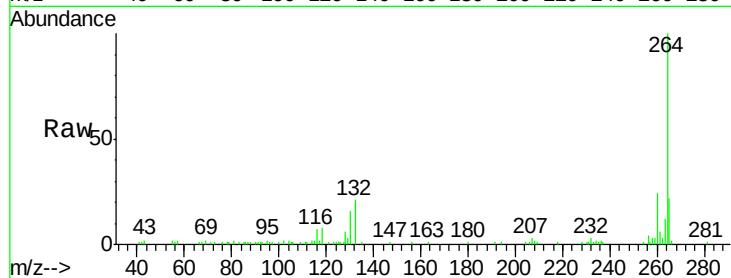




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 14.95 min Scan# 1169
 Delta R.T. -0.06 min
 Lab File: BF089503.D
 Acq: 1 Aug 2016 9:42

Instrument :
 BNA_F
 ClientSampleId :
 1057-SOUTHDL

Tot Ion: 264 Resp: 59181
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.0 28.4
 265 21.6 17.5 26.3



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

