

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080116\
 Data File : BF089538.D
 Acq On : 2 Aug 2016 4:55
 Operator : UM/SJ
 Sample : H4288-17
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-67-5.5-6.5

Quant Time: Aug 02 05:18:11 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 02:21:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	38933	20.00	ng	0.00
21) Naphthalene-d8	7.77	136	136761	20.00	ng	0.00
38) Acenaphthene-d10	9.51	164	57300	20.00	ng	-0.01
63) Phenanthrene-d10	10.98	188	95271	20.00	ng	0.00
75) Chrysene-d12	13.60	240	95742	20.00	ng	-0.01
86) Perylene-d12	14.93	264	85100	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.05	112	318130	130.47	ng	0.01
7) Phenol-d6	6.15	99	436318	135.40	ng	0.00
23) Nitrobenzene-d5	7.05	82	242372	104.61	ng	-0.01
41) 2,4,6-Tribromophenol	10.30	330	65246	137.49	ng	-0.01
44) 2-Fluorobiphenyl	8.84	172	417015	106.81	ng	-0.01
78) Terphenyl-d14	12.56	244	282733	69.12	ng	-0.01

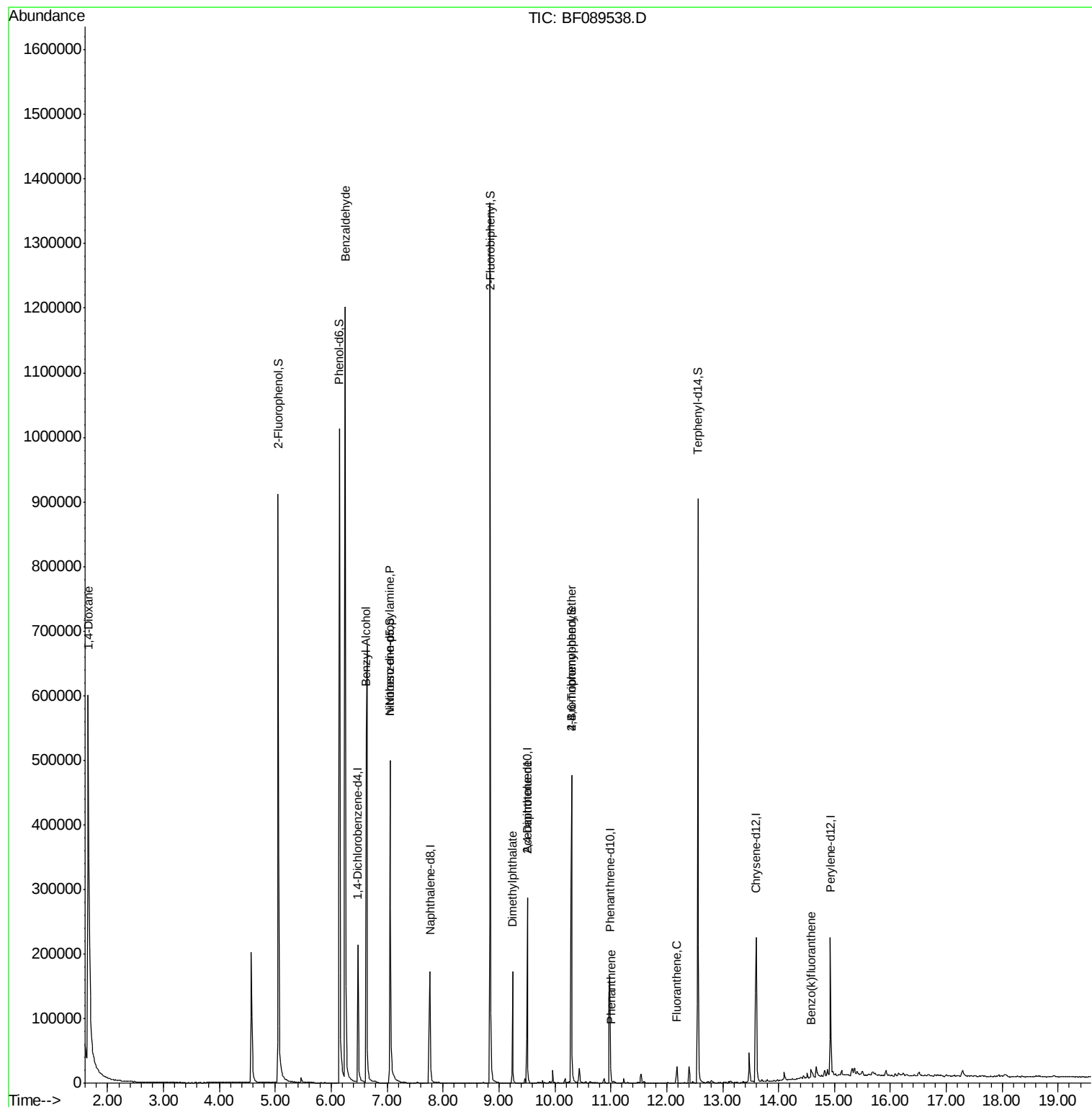
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.66	88	37662	33.52	ng	# 26
9) Benzaldehyde	6.25	77	8492	5.40	ng	82
15) Benzyl Alcohol	6.63	79	4194	2.10	ng	# 51
19) n-Nitroso-di-n-propylamine	7.05	70	32187	16.56	ng	# 83
49) Dimethylphthalate	9.24	163	67327	15.44	ng	98
56) 2,4-Dinitrotoluene	9.51	165	7076	6.00	ng	# 7
66) 4-Bromophenyl-phenylether	10.30	248	5029	5.53	ng	# 1
70) Phenanthrene	11.00	178	9980	2.03	ng	97
74) Fluoranthene	12.18	202	14185	2.74	ng	99
88) Benzo(k)fluoranthene	14.58	252	10226	2.10	ng	# 96

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

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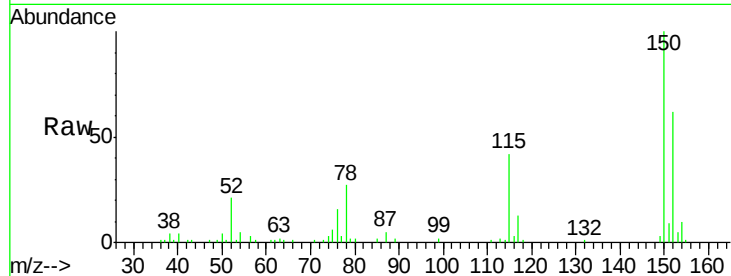




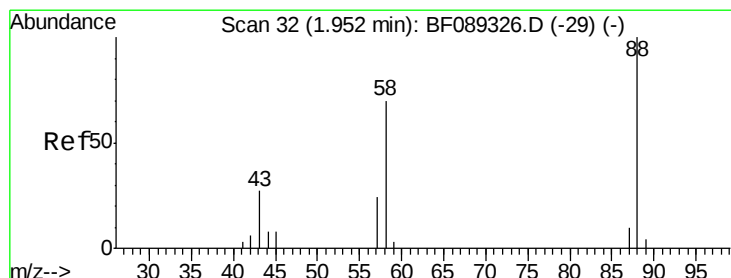
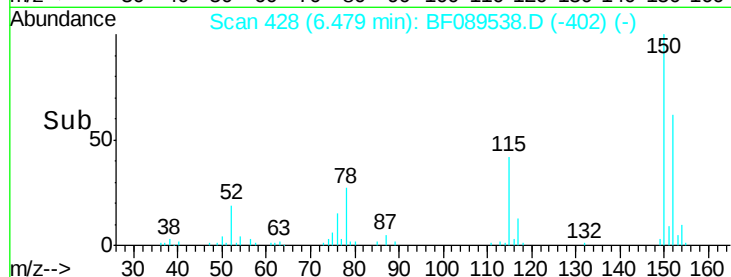
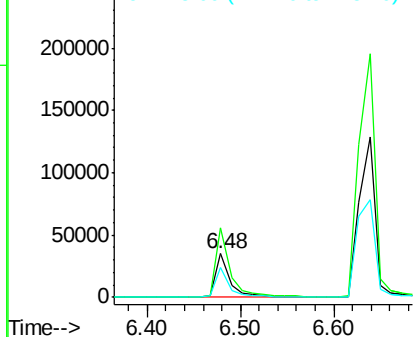
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.48 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: BF089538.D
 Acq: 2 Aug 2016 4:55

Instrument :
 BNA_F
 ClientSampled :
 SB-67-5.5-6.5

Tgt Ion:152 Resp: 38933
 Ion Ratio Lower Upper
 152 100
 150 160.1 129.5 194.3
 115 67.0 51.4 77.2

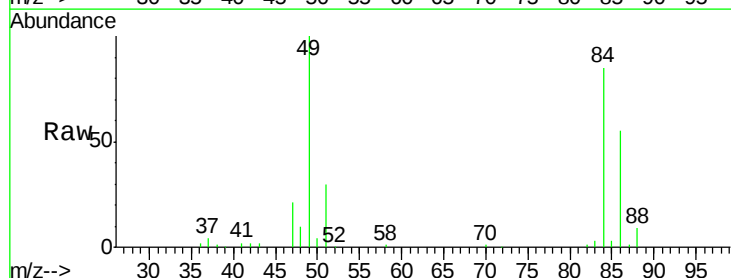


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

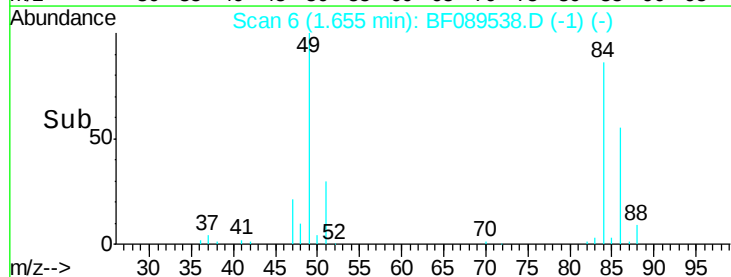
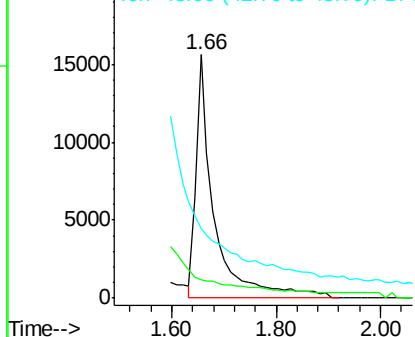


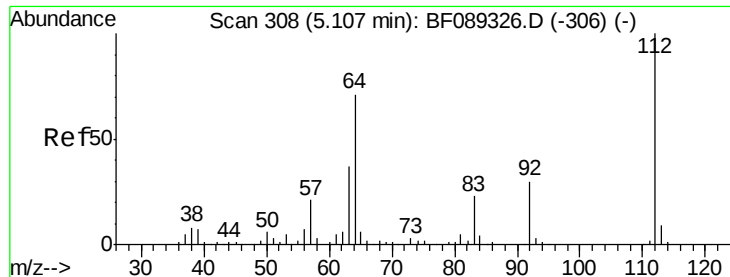
#2
 1,4-Dioxane
 Concen: 33.52 ng
 RT: 1.66 min Scan# 6
 Delta R.T. -0.19 min
 Lab File: BF089538.D
 Acq: 2 Aug 2016 4:55

Tgt Ion: 88 Resp: 37662
 Ion Ratio Lower Upper
 88 100
 58 0.0 53.2 79.8#
 43 0.0 20.6 31.0#



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: 130.47 ng

RT: 5.05 min Scan# 303

Delta R.T. 0.01 min

Lab File: BF089538.D

Acq: 2 Aug 2016 4:55

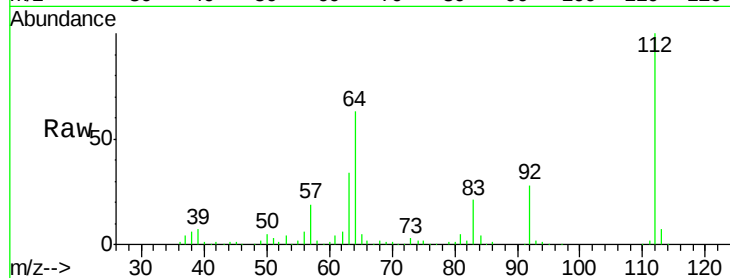
Instrument :

BNA_F

ClientSampleId :

SB-67-5.5-6.5

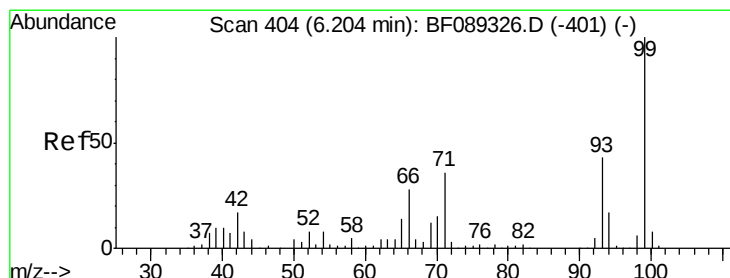
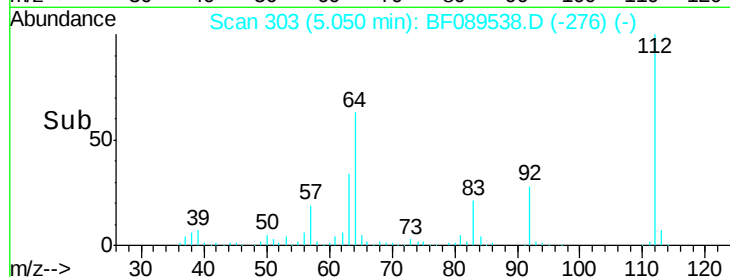
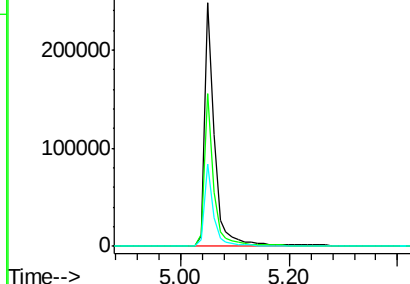
Tgt Ion:	112	Resp:	318130
Ion	Ratio	Lower	Upper
112	100		
64	62.6	55.0	82.6
63	33.9	29.4	44.2



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: 135.40 ng

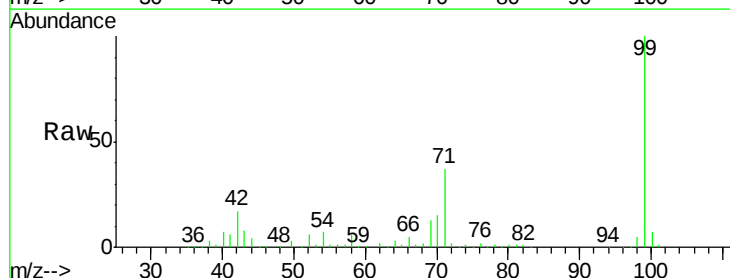
RT: 6.15 min Scan# 399

Delta R.T. -0.00 min

Lab File: BF089538.D

Acq: 2 Aug 2016 4:55

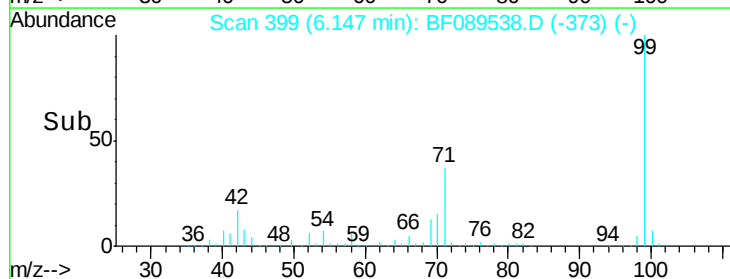
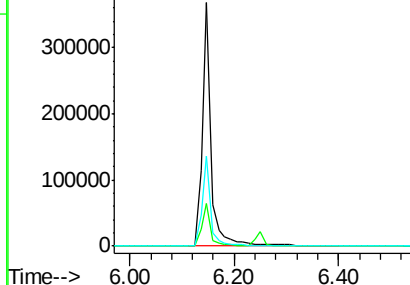
Tgt Ion:	99	Resp:	436318
Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.6	20.4
71	37.1	29.4	44.2

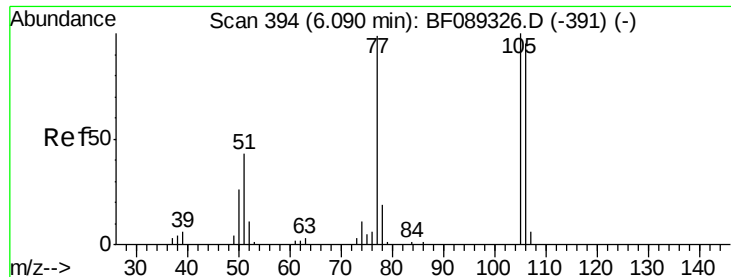


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 5.40 ng

RT: 6.25 min Scan# 408

Delta R.T. 0.23 min

Lab File: BF089538.D

Acq: 2 Aug 2016 4:55

Instrument :

BNA_F

ClientSampleId :

SB-67-5.5-6.5

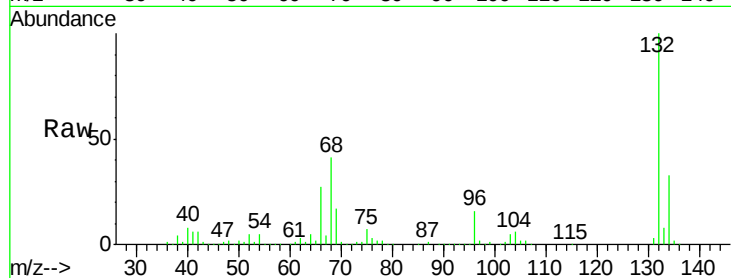
Tgt Ion: 77 Resp: 8492

Ion Ratio Lower Upper

77 100

105 85.9 82.9 122.9

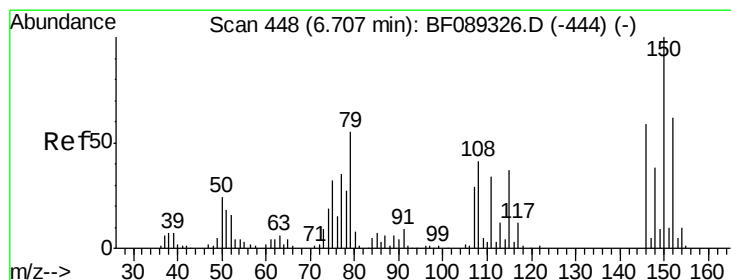
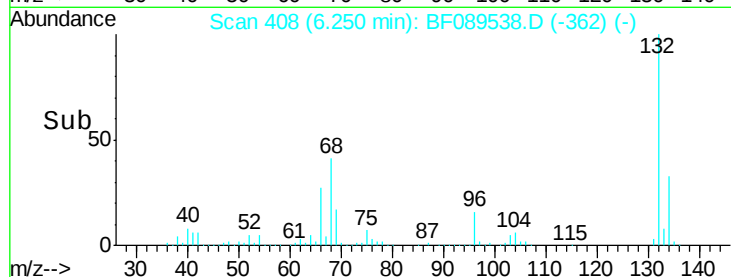
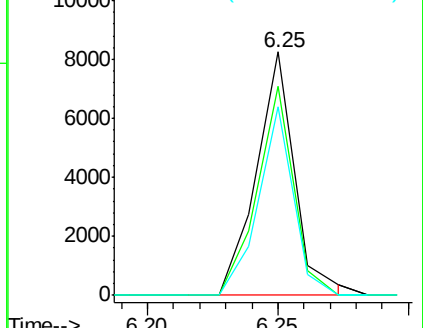
106 77.5 75.9 115.9



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#15

Benzyl Alcohol

Concen: 2.10 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.02 min

Lab File: BF089538.D

Acq: 2 Aug 2016 4:55

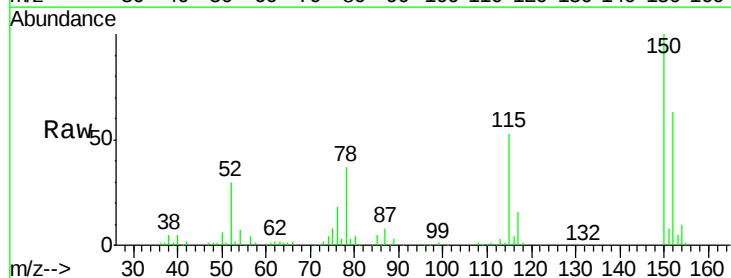
Tgt Ion: 79 Resp: 4194

Ion Ratio Lower Upper

79 100

108 24.9 59.8 89.6#

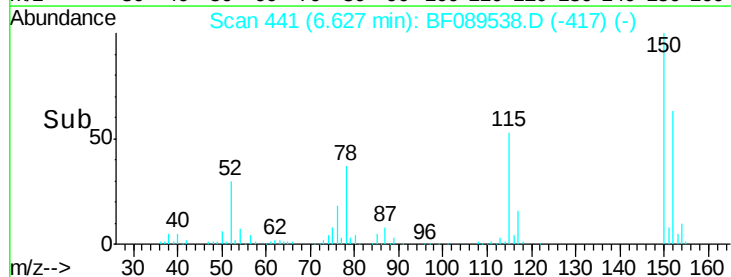
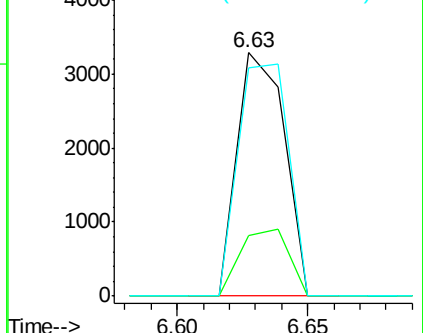
77 94.0 51.7 77.5#

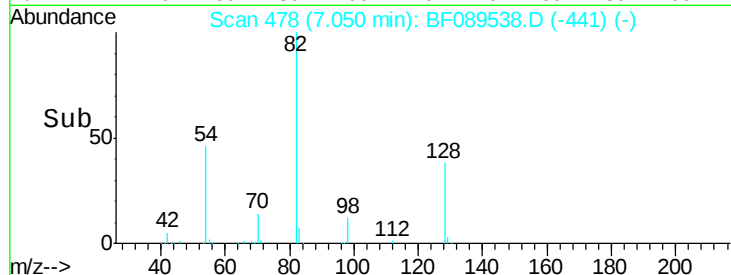
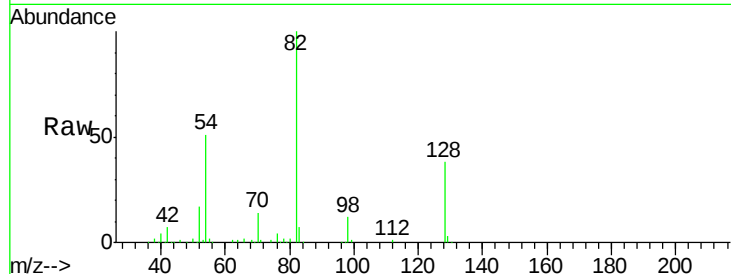
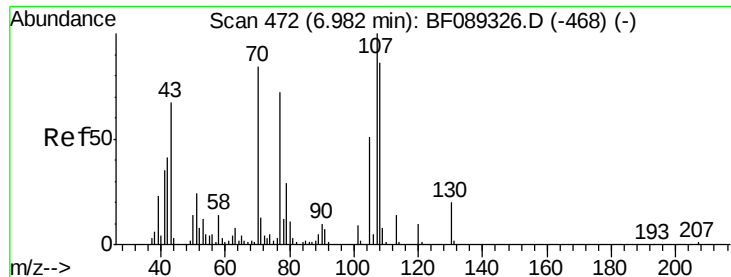


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

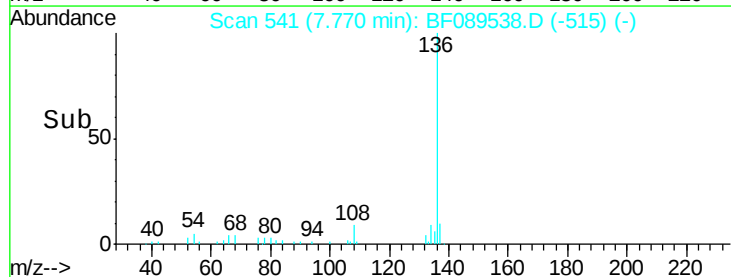
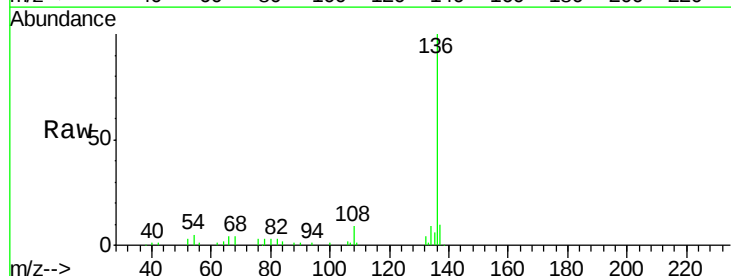
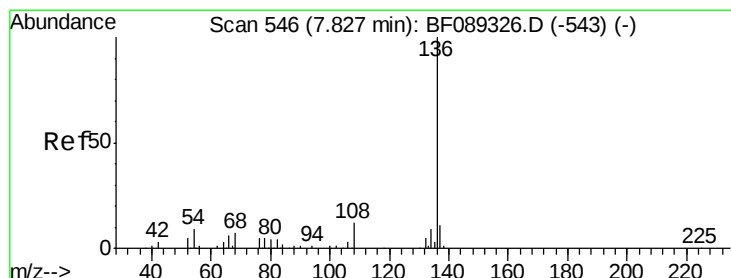
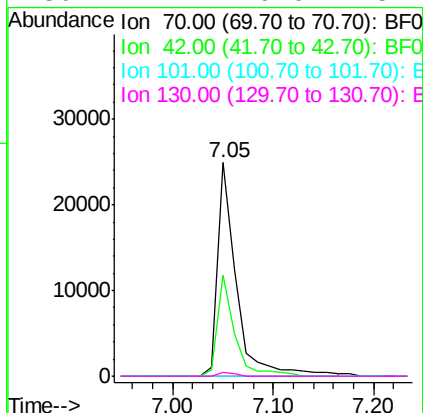




#19
n-Nitroso-di-n-propylamine
Concen: 16.56 ng
RT: 7.05 min Scan# 478
Delta R.T. 0.13 min
Lab File: BF089538.D
Acq: 2 Aug 2016 4:55

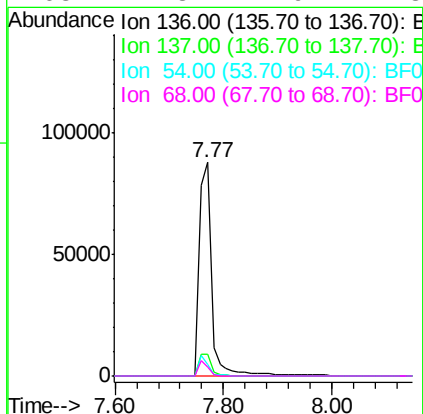
Instrument :
BNA_F
ClientSampleId :
SB-67-5.5-6.5

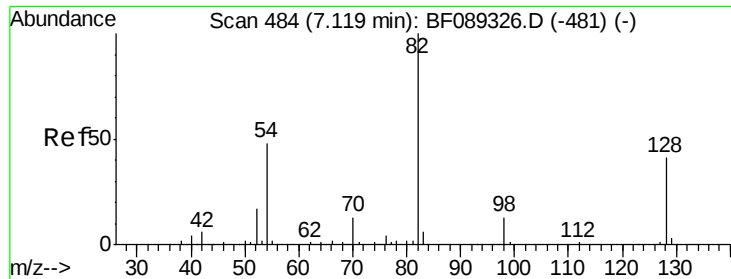
Tgt Ion:	70	Resp:	32187
Ion Ratio	Lower	Upper	
70	100		
42	47.1	38.6	57.8
101	0.0	8.3	12.5#
130	1.7	19.0	28.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.77 min Scan# 541
Delta R.T. -0.00 min
Lab File: BF089538.D
Acq: 2 Aug 2016 4:55

Tgt Ion:	136	Resp:	136761
Ion Ratio	Lower	Upper	
136	100		
137	10.1	8.6	13.0
54	5.3	7.0	10.4#
68	4.3	4.9	7.3#

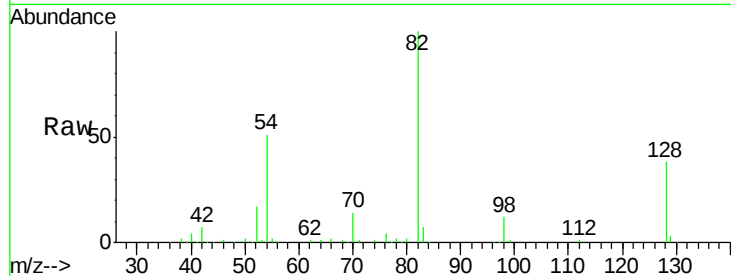




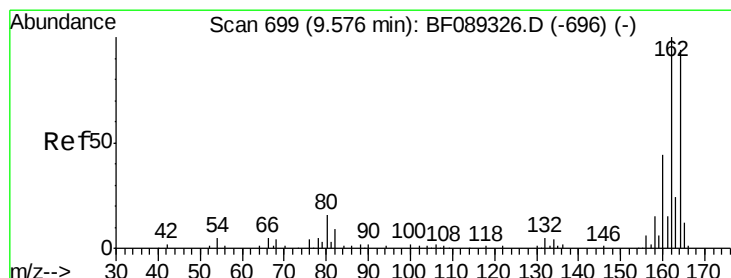
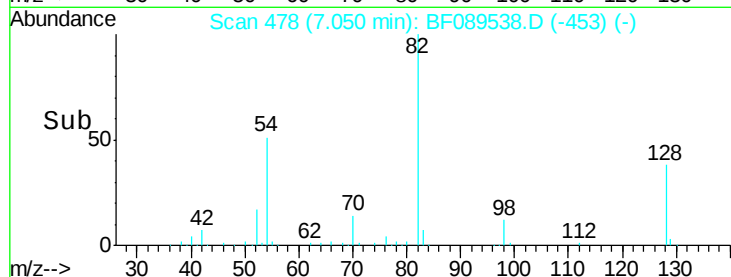
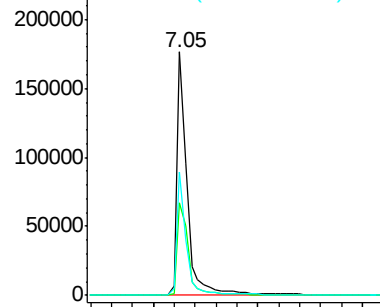
#23
 Nitrobenzene-d5
 Concen: 104.61 ng
 RT: 7.05 min Scan# 478
 Delta R.T. -0.01 min
 Lab File: BF089538.D
 Acq: 2 Aug 2016 4:55

Instrument :
 BNA_F
 ClientSampleId :
 SB-67-5.5-6.5

Tgt Ion: 82 Resp: 242372
 Ion Ratio Lower Upper
 82 100
 128 38.1 32.5 48.7
 54 50.8 38.8 58.2

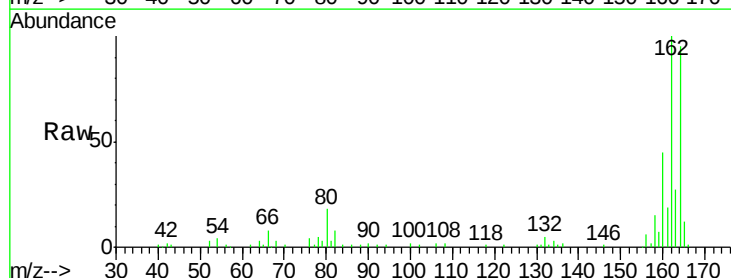


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

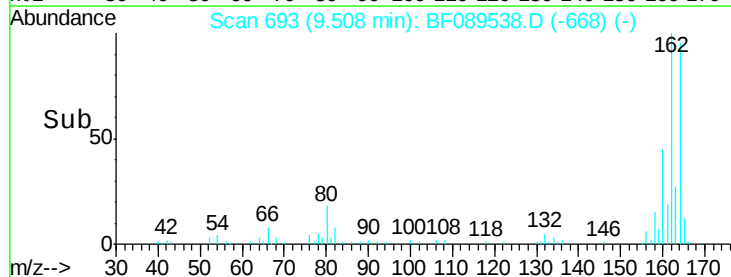
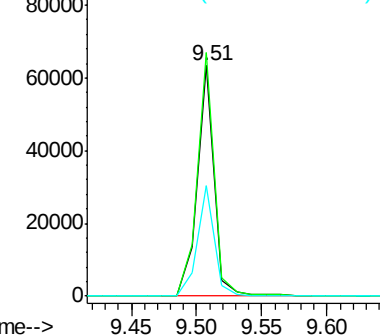


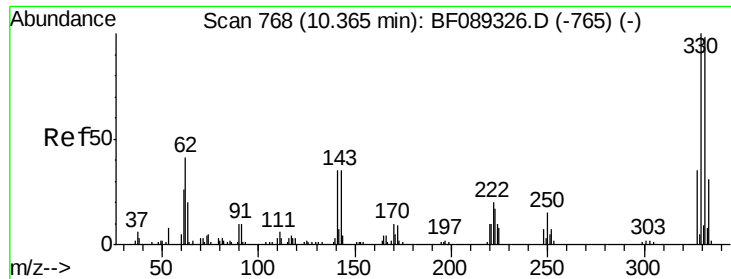
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.51 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: BF089538.D
 Acq: 2 Aug 2016 4:55

Tgt Ion: 164 Resp: 57300
 Ion Ratio Lower Upper
 164 100
 162 105.7 83.7 125.5
 160 47.7 37.8 56.6



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

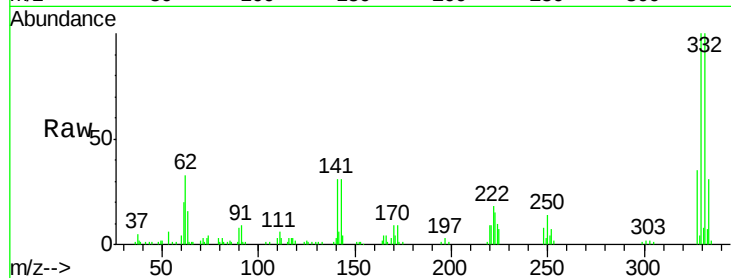




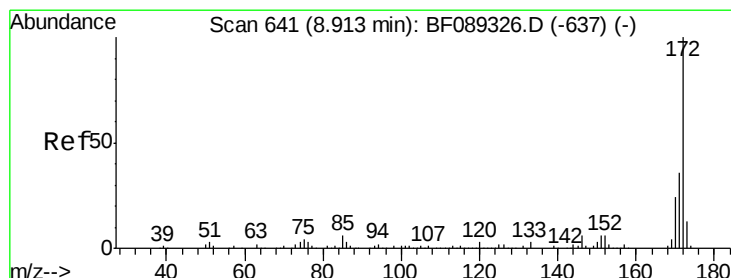
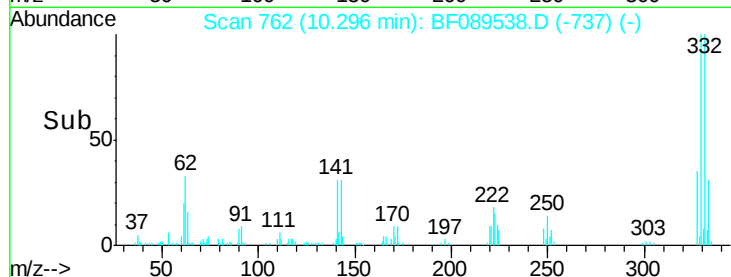
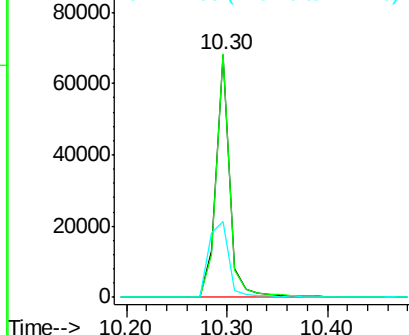
#41
 2,4,6-Tribromophenol
 Concen: 137.49 ng
 RT: 10.30 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: BF089538.D
 Acq: 2 Aug 2016 4:55

Instrument :
 BNA_F
 ClientSampleId :
 SB-67-5.5-6.5

Tgt Ion:330 Resp: 65246
 Ion Ratio Lower Upper
 330 100
 332 98.6 76.8 115.2
 141 45.5 37.3 55.9

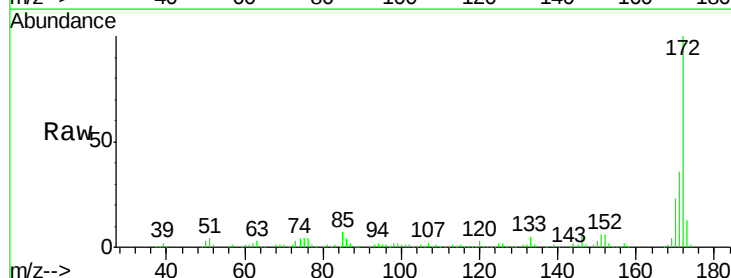


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

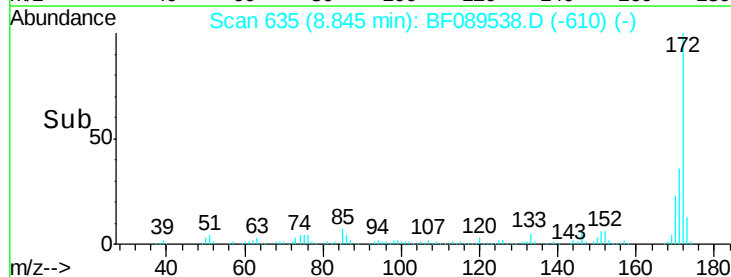
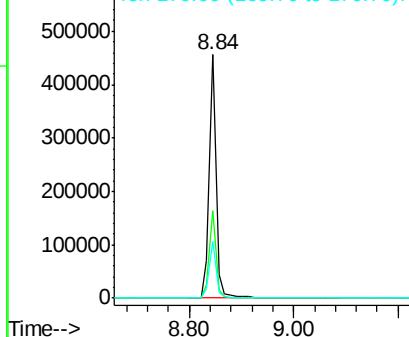


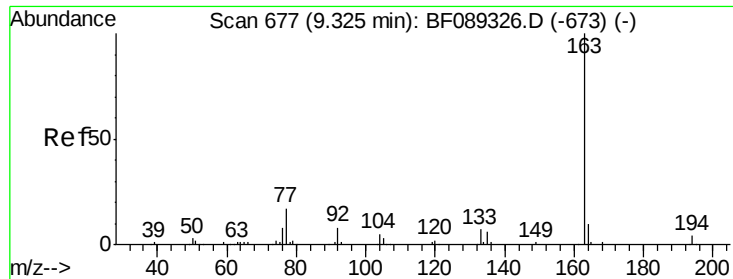
#44
 2-Fluorobiphenyl
 Concen: 106.81 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF089538.D
 Acq: 2 Aug 2016 4:55

Tgt Ion:172 Resp: 417015
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.2 43.8
 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

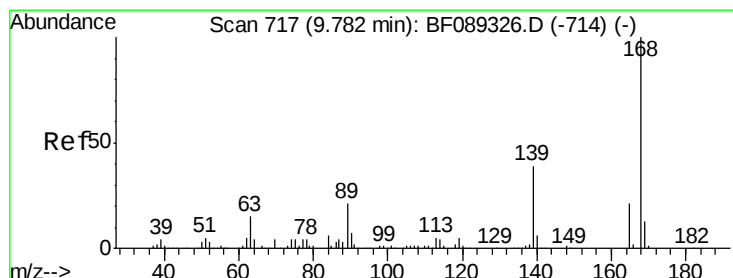
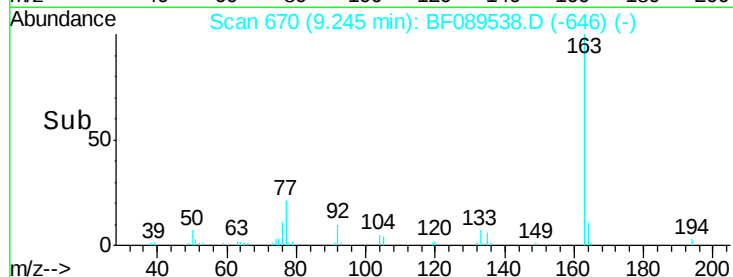
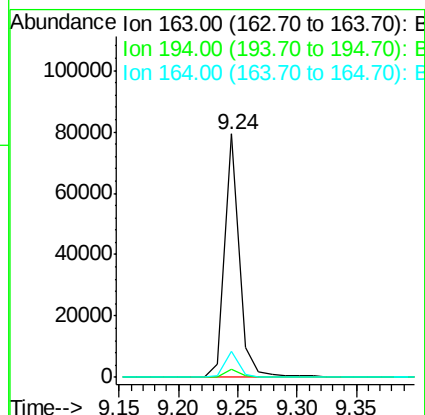
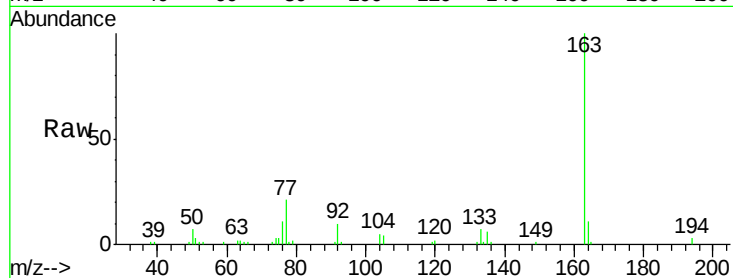




#49
Dimethylphthalate
Concen: 15.44 ng
RT: 9.24 min Scan# 670
Delta R.T. -0.02 min
Lab File: BF089538.D
Acq: 2 Aug 2016 4:55

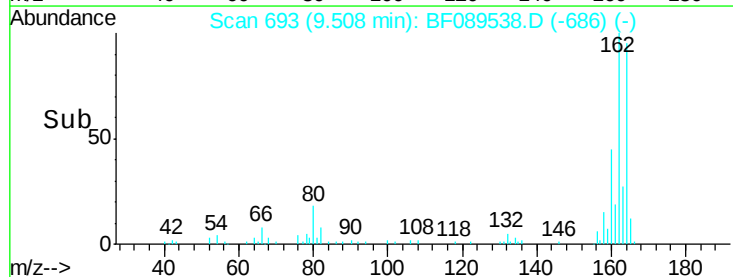
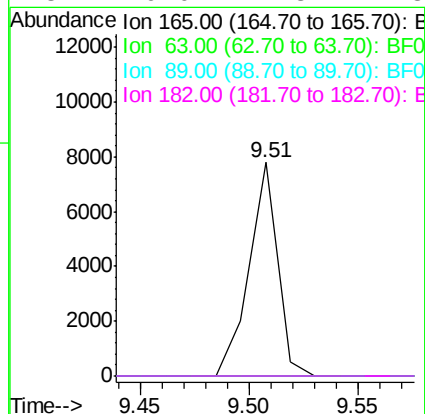
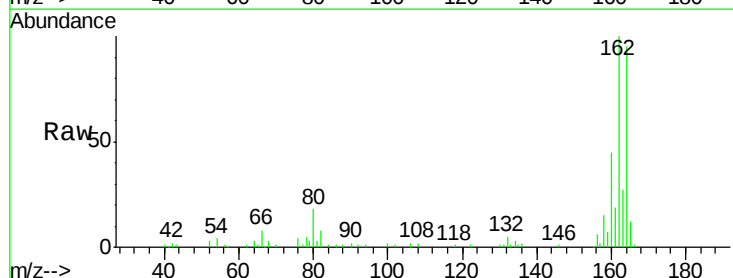
Instrument :
BNA_F
ClientSampleId :
SB-67-5.5-6.5

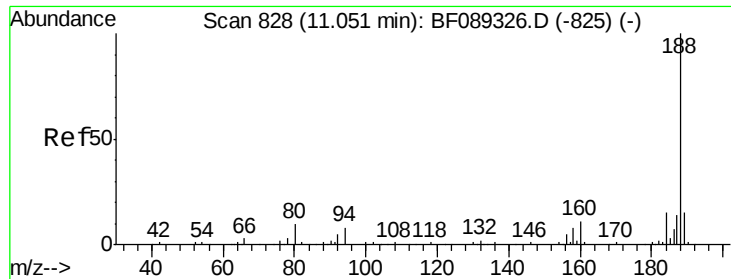
Tgt Ion:163 Resp: 67327
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 10.6 7.8 11.8



#56
2,4-Dinitrotoluene
Concen: 6.00 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.22 min
Lab File: BF089538.D
Acq: 2 Aug 2016 4:55

Tgt Ion:165 Resp: 7076
Ion Ratio Lower Upper
165 100
63 0.0 58.2 87.2#
89 0.0 79.1 118.7#
182 0.0 1.8 2.8#

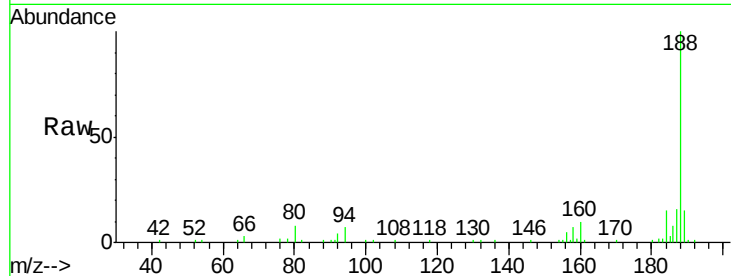




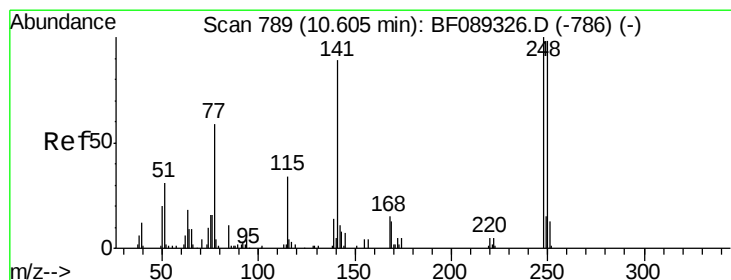
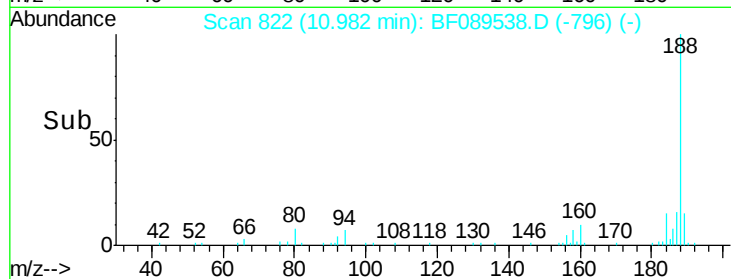
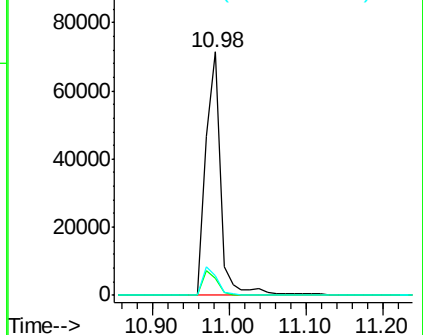
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.98 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: BF089538.D
 Acq: 2 Aug 2016 4:55

Instrument :
 BNA_F
 ClientSampleId :
 SB-67-5.5-6.5

Tgt Ion:188 Resp: 95271
 Ion Ratio Lower Upper
 188 100
 94 6.8 6.5 9.7
 80 7.9 7.2 10.8

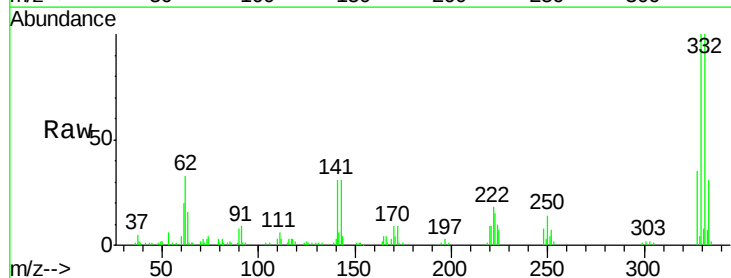


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

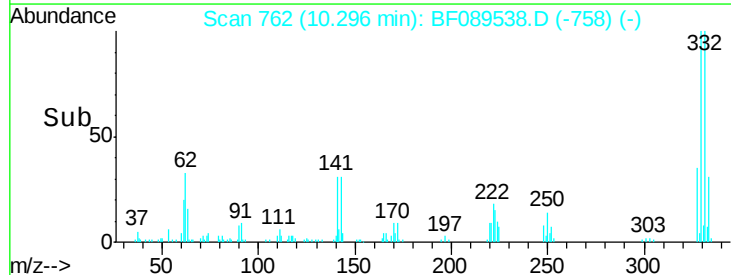
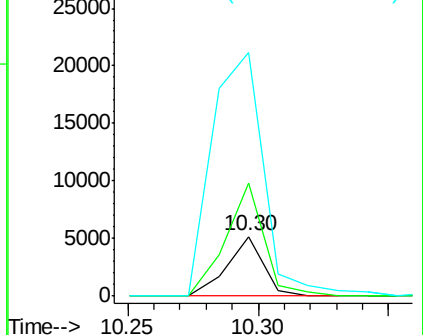


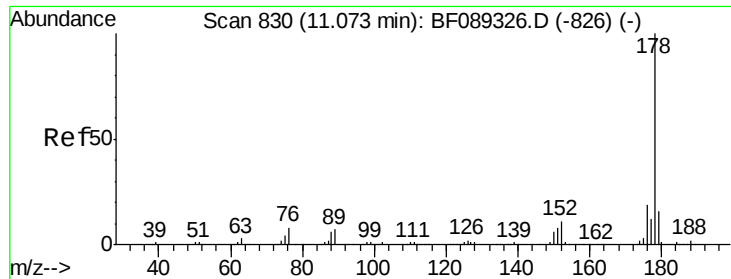
#66
 4-Bromophenyl-phenylether
 Concen: 5.53 ng
 RT: 10.30 min Scan# 762
 Delta R.T. -0.25 min
 Lab File: BF089538.D
 Acq: 2 Aug 2016 4:55

Tgt Ion:248 Resp: 5029
 Ion Ratio Lower Upper
 248 100
 250 190.1 78.2 117.2#
 141 410.2 62.0 93.0#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 2.03 ng

RT: 11.00 min Scan# 824

Delta R.T. -0.00 min

Lab File: BF089538.D

Acq: 2 Aug 2016 4:55

Instrument :

BNA_F

ClientSampleId :

SB-67-5.5-6.5

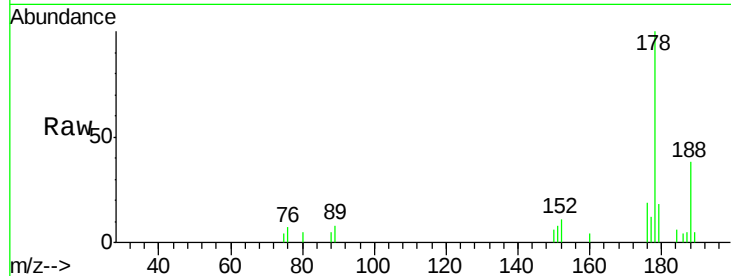
Tgt Ion:178 Resp: 9980

Ion Ratio Lower Upper

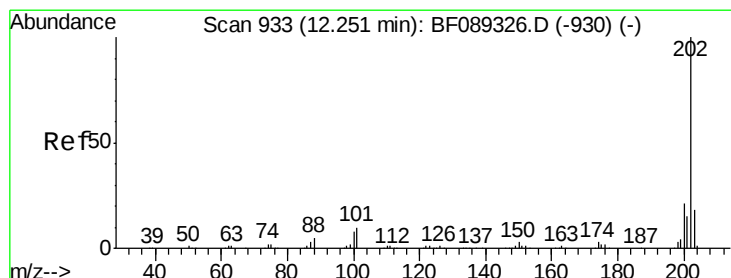
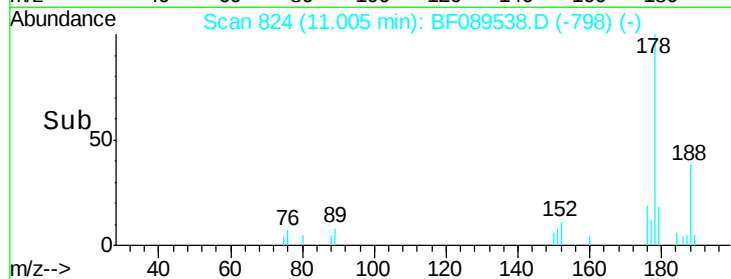
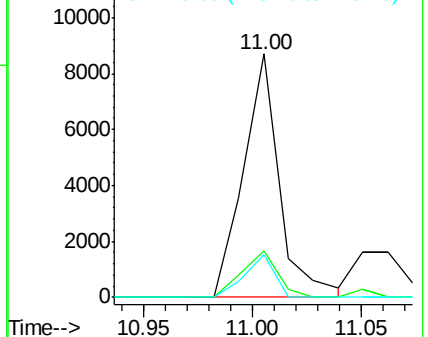
178 100

176 18.9 15.5 23.3

179 17.7 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



#74

Fluoranthene

Concen: 2.74 ng

RT: 12.18 min Scan# 927

Delta R.T. -0.00 min

Lab File: BF089538.D

Acq: 2 Aug 2016 4:55

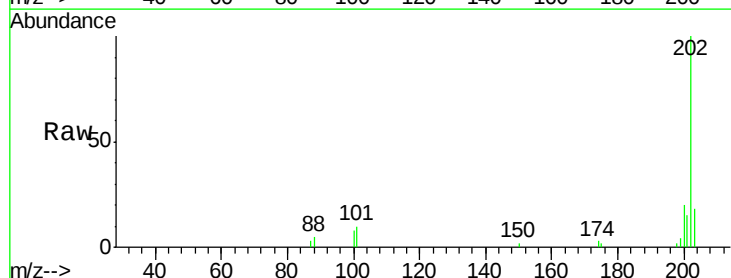
Tgt Ion:202 Resp: 14185

Ion Ratio Lower Upper

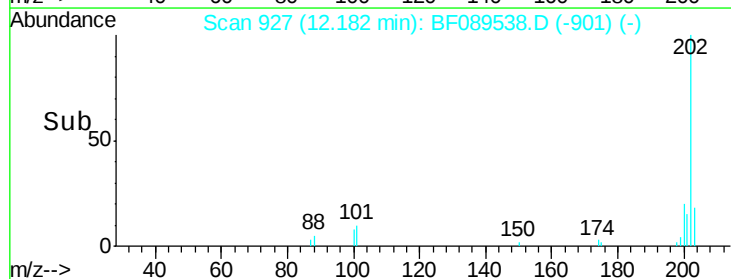
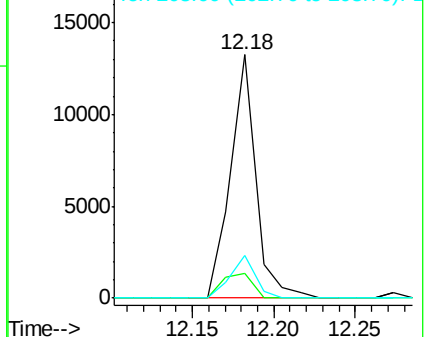
202 100

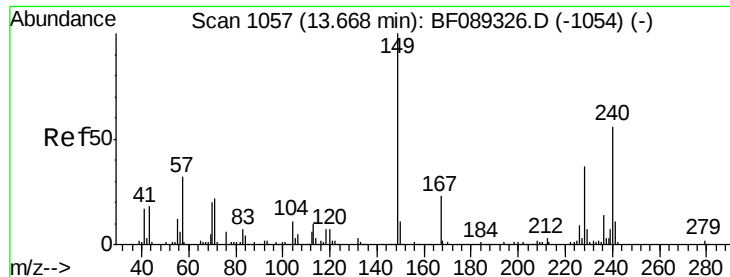
101 10.3 0.0 29.9

203 17.6 0.0 37.3



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.01 min

Lab File: BF089538.D

Acq: 2 Aug 2016 4:55

Instrument :

BNA_F

ClientSampleId :

SB-67-5.5-6.5

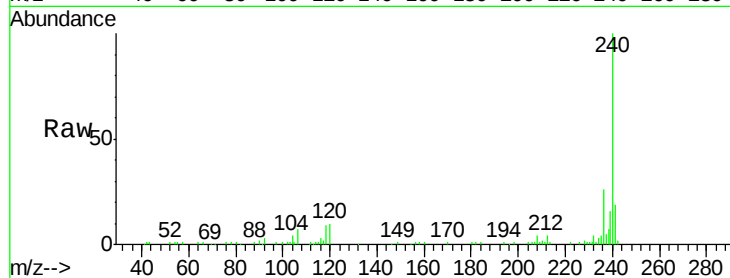
Tgt Ion:240 Resp: 95742

Ion Ratio Lower Upper

240 100

120 10.2 9.1 13.7

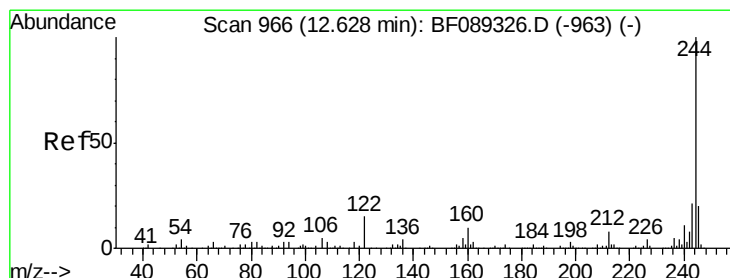
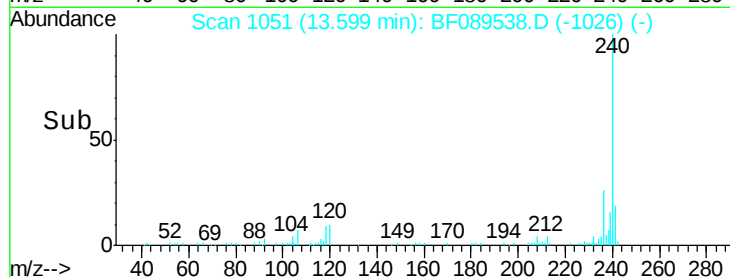
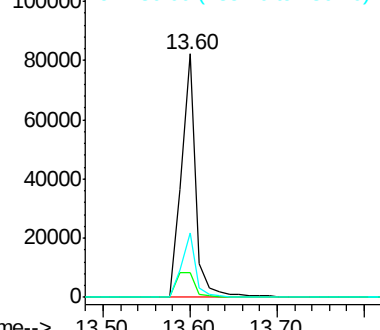
236 26.2 20.6 30.8



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: 69.12 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF089538.D

Acq: 2 Aug 2016 4:55

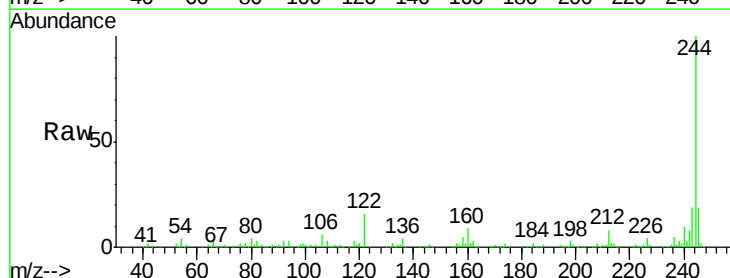
Tgt Ion:244 Resp: 282733

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

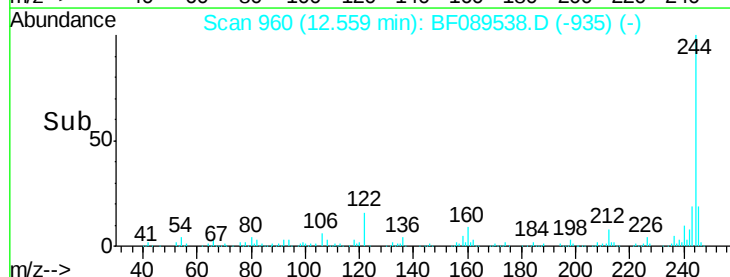
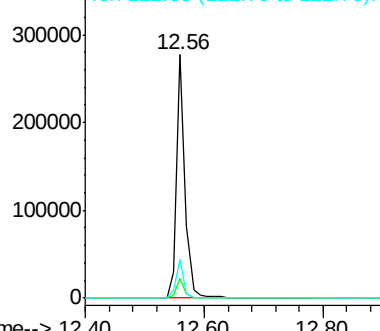
122 15.7 11.4 17.0

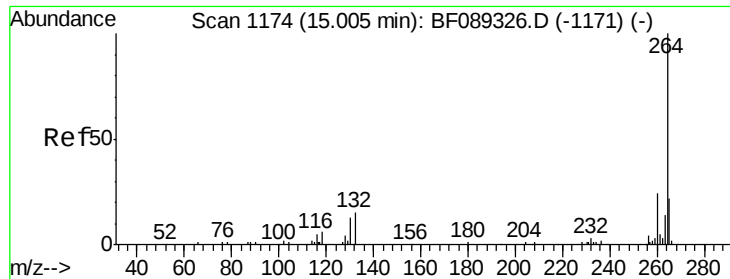


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



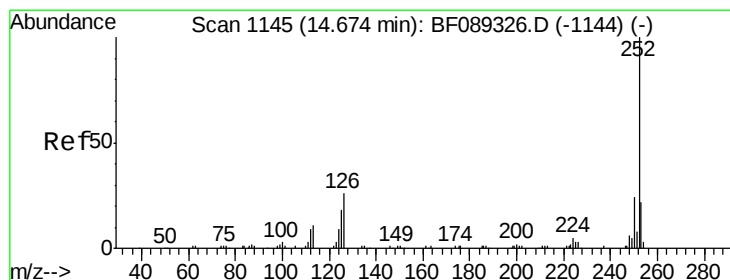
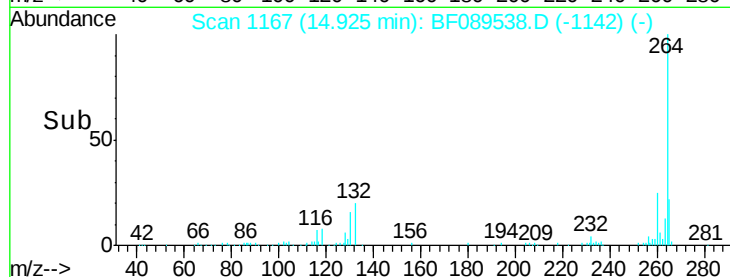
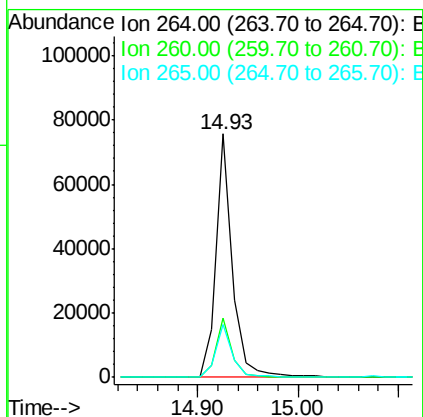
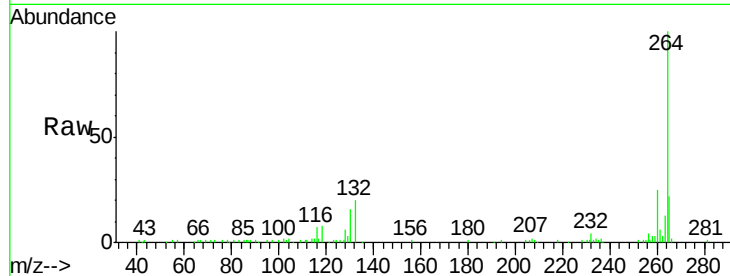


#86
Perylene-d12
Concen: 20.00 ng
RT: 14.93 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF089538.D
Acq: 2 Aug 2016 4:55

Instrument :
BNA_F
ClientSampleId :
SB-67-5.5-6.5

Tgt Ion: 264 Resp: 85100

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.0	28.4
265	21.9	17.5	26.3



#88
Benzo(k)fluoranthene
Concen: 2.10 ng
RT: 14.58 min Scan# 1137
Delta R.T. -0.03 min
Lab File: BF089538.D
Acq: 2 Aug 2016 4:55

Tgt Ion: 252 Resp: 10226

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.8	26.8
125	16.1	10.7	16.1#

