

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080116\
 Data File : BF089528.D
 Acq On : 1 Aug 2016 23:56
 Operator : UM/SJ
 Sample : H4287-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-60-0.5-1.5

Quant Time: Aug 02 01:49:43 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	6.48	152	35783	20.00	ng	-0.07
21) Naphthalene-d8	7.77	136	126284	20.00	ng	-0.06
38) Acenaphthene-d10	9.51	164	51323	20.00	ng	-0.07
63) Phenanthrene-d10	10.98	188	84224	20.00	ng	-0.07
75) Chrysene-d12	13.60	240	83331	20.00	ng	-0.07
86) Perylene-d12	14.93	264	83568	20.00	ng	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.05	112	202833	90.51	ng	-0.06
7) Phenol-d6	6.15	99	268692	90.72	ng	-0.06
23) Nitrobenzene-d5	7.05	82	160857	75.19	ng	-0.07
41) 2,4,6-Tribromophenol	10.30	330	38380	90.29	ng	-0.07
44) 2-Fluorobiphenyl	8.84	172	274291	78.43	ng	-0.07
78) Terphenyl-d14	12.56	244	191657	53.83	ng	-0.07

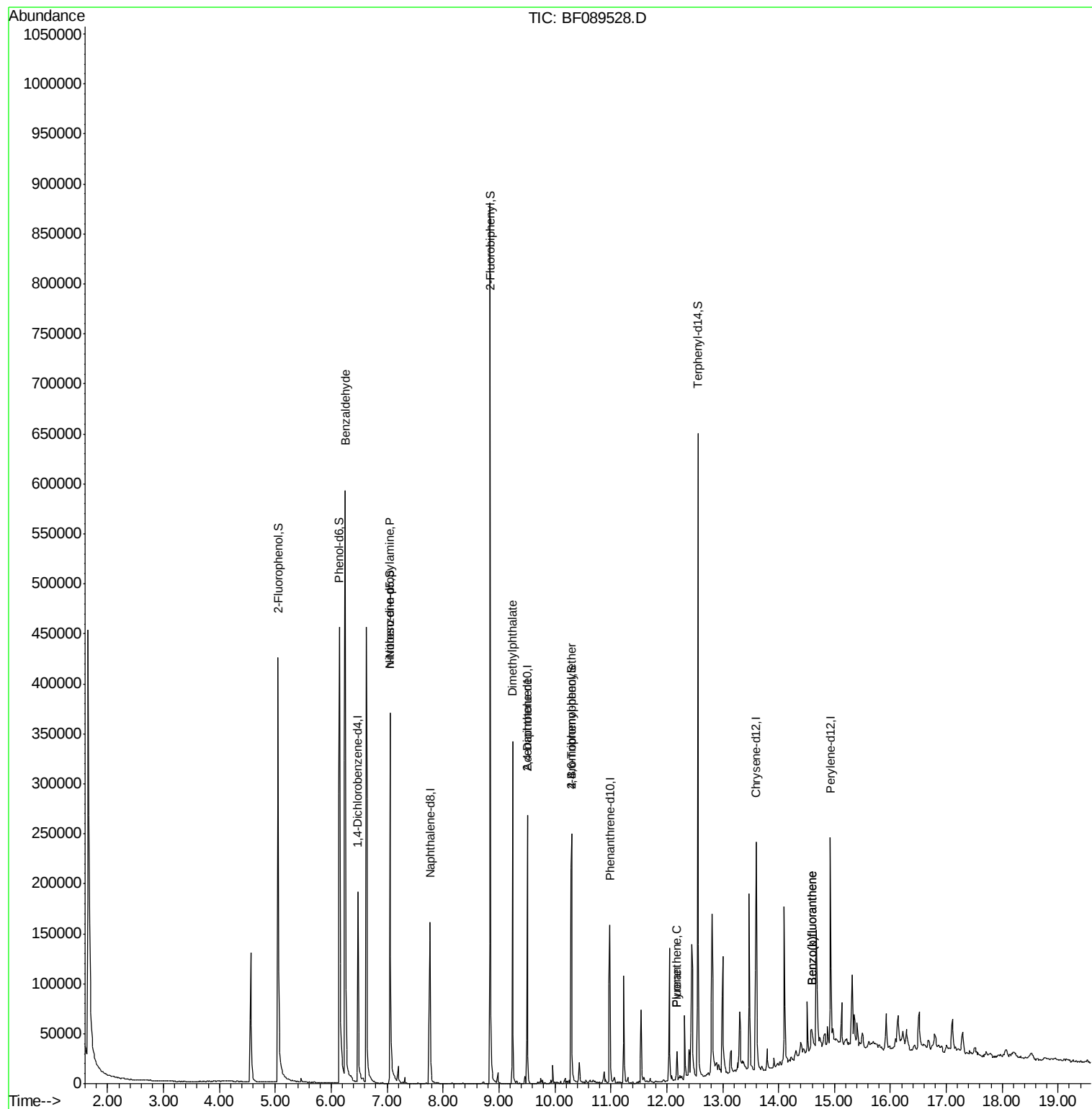
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.25	77	4917	3.40	ng	86
19) n-Nitroso-di-n-propylamine	7.05	70	21050	11.79	ng	# 83
49) Dimethylphthalate	9.24	163	128380	32.87	ng	99
56) 2,4-Dinitrotoluene	9.51	165	6493	6.15	ng	# 7
66) 4-Bromophenyl-phenylether	10.30	248	2920	3.63	ng	# 1
74) Fluoranthene	12.18	202	13638	2.98	ng	97
77) Pyrene	12.18	202	13638	2.16	ng	99
87) Benzo(b)fluoranthene	14.59	252	14934	2.88	ng	# 86
88) Benzo(k)fluoranthene	14.59	252	14934	3.13	ng	# 89

(#) = 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. -0.07 min

Lab File: BF089528.D

Acq: 1 Aug 2016 23:56

Instrument :

BNA_F

ClientSampleId :

SB-60-0.5-1.5

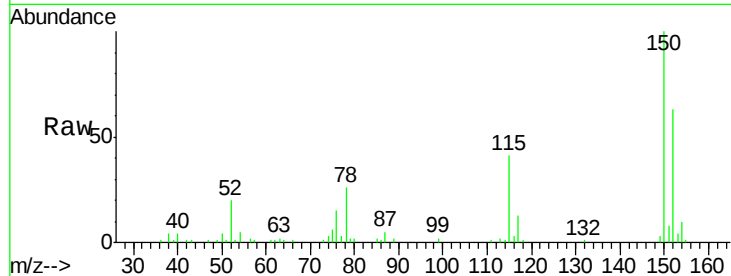
Tgt Ion:152 Resp: 35783

Ion Ratio Lower Upper

152 100

150 158.8 129.5 194.3

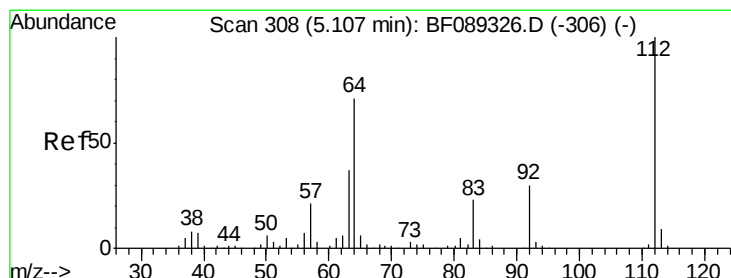
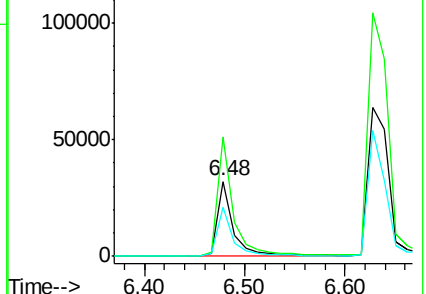
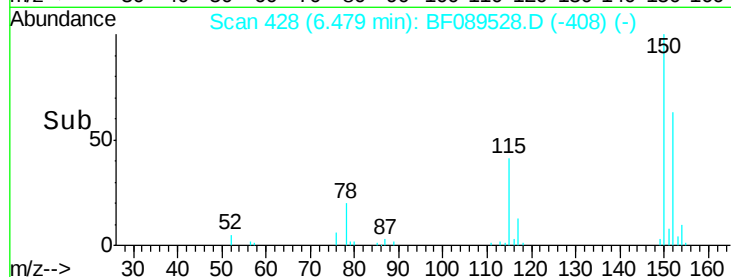
115 64.9 51.4 77.2



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: 90.51 ng

RT: 5.05 min Scan# 303

Delta R.T. -0.06 min

Lab File: BF089528.D

Acq: 1 Aug 2016 23:56

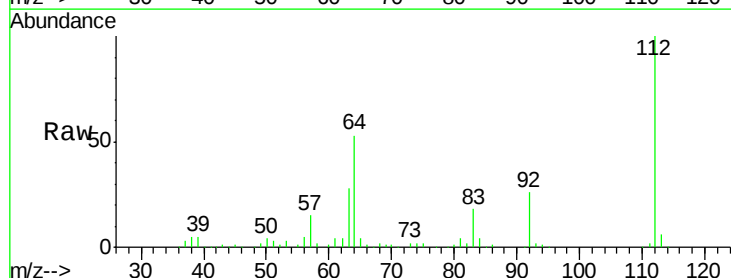
Tgt Ion:112 Resp: 202833

Ion Ratio Lower Upper

112 100

64 52.6 55.0 82.6#

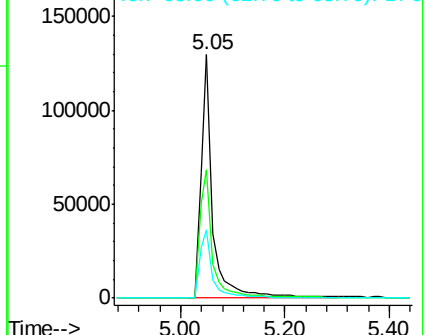
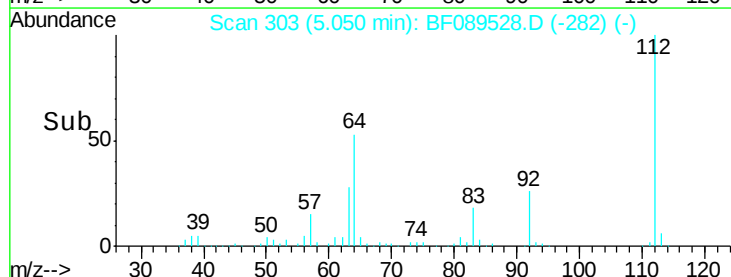
63 28.0 29.4 44.2#



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: 90.72 ng

RT: 6.15 min Scan# 399

Delta R.T. -0.06 min

Lab File: BF089528.D

Acq: 1 Aug 2016 23:56

Instrument :

BNA_F

ClientSampleId :

SB-60-0.5-1.5

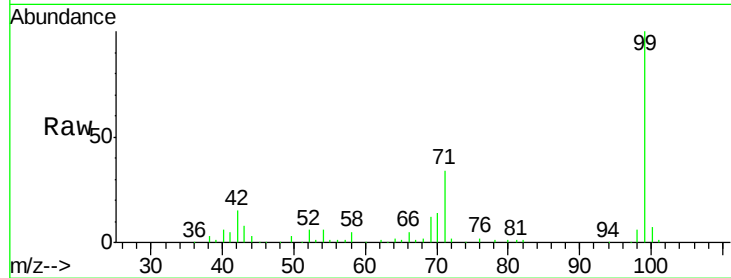
Tgt Ion: 99 Resp: 268692

Ion Ratio Lower Upper

99 100

42 15.4 13.6 20.4

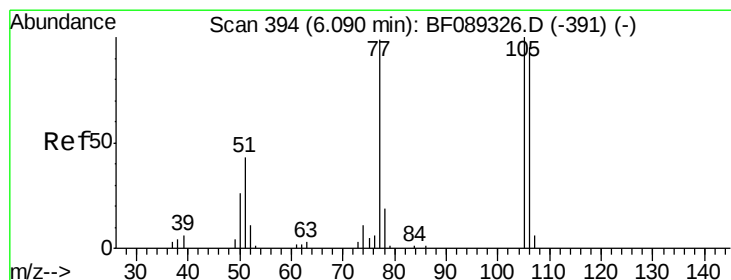
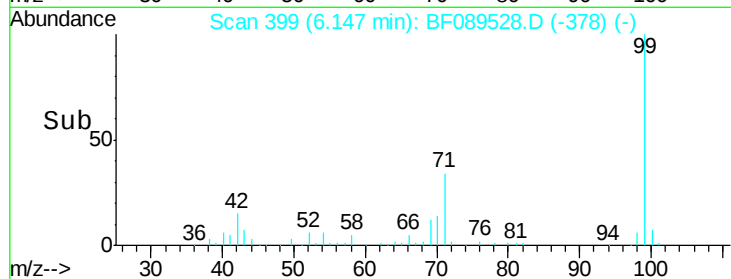
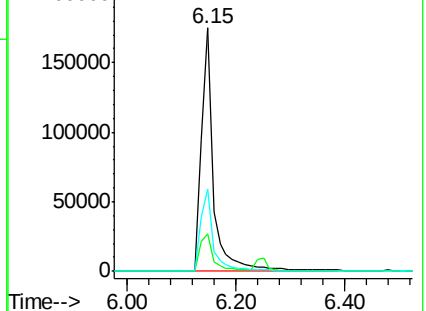
71 34.0 29.4 44.2



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: 3.40 ng

RT: 6.25 min Scan# 408

Delta R.T. 0.16 min

Lab File: BF089528.D

Acq: 1 Aug 2016 23:56

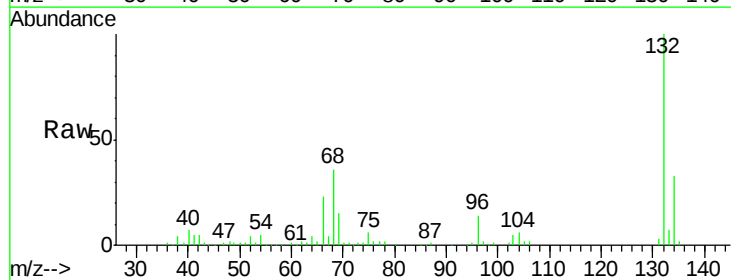
Tgt Ion: 77 Resp: 4917

Ion Ratio Lower Upper

77 100

105 88.3 82.9 122.9

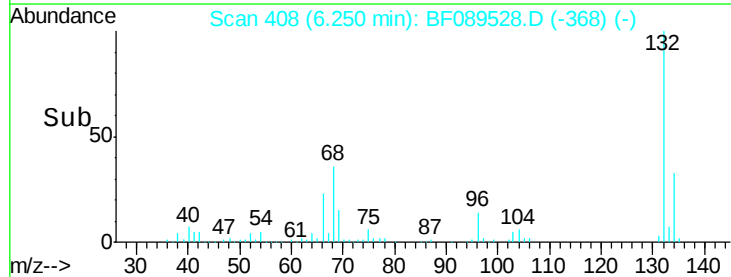
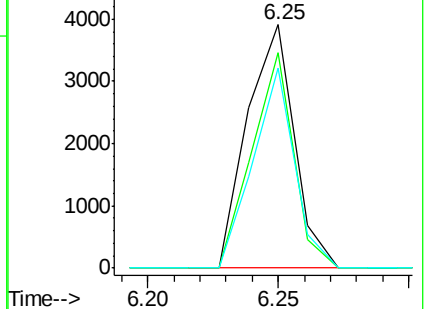
106 82.1 75.9 115.9

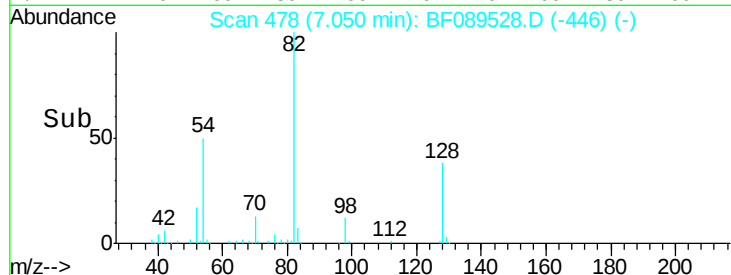
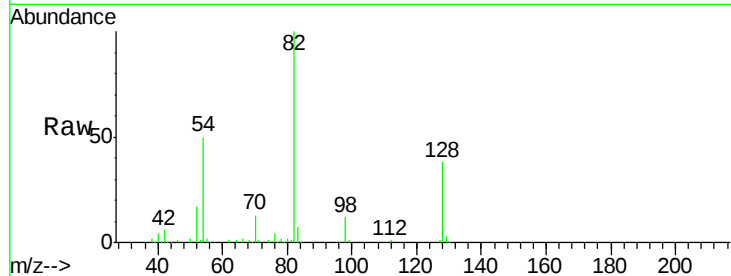
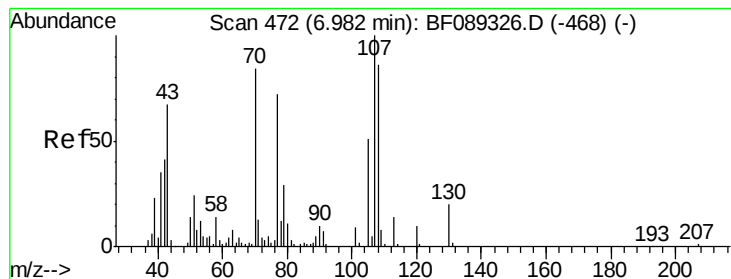


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 11.79 ng

RT: 7.05 min Scan# 478

Delta R.T. 0.07 min

Lab File: BF089528.D

Acq: 1 Aug 2016 23:56

Instrument :

BNA_F

ClientSampleId :

SB-60-0.5-1.5

Tgt Ion: 70 Resp: 21050

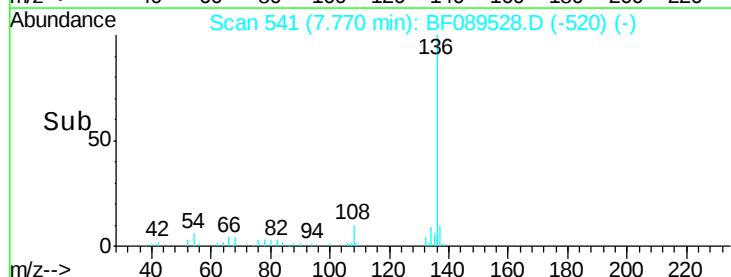
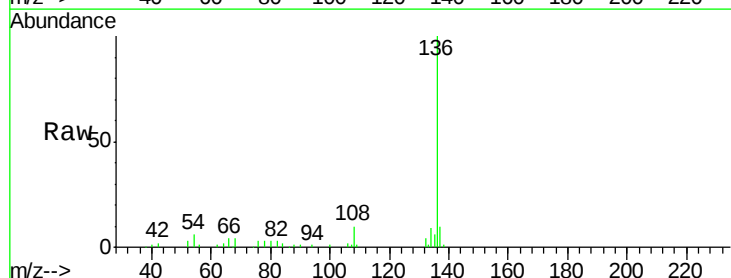
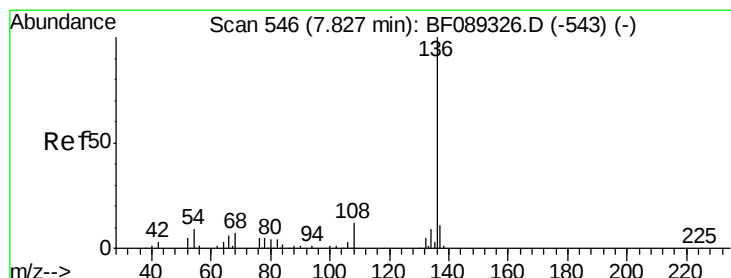
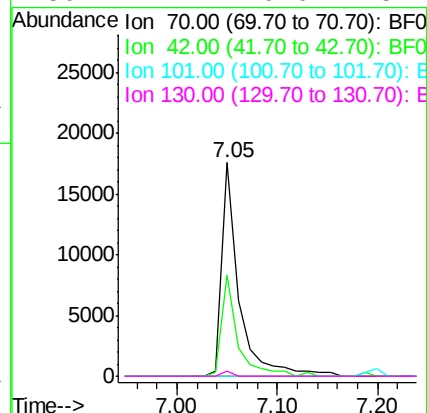
Ion Ratio Lower Upper

70 100

42 47.2 38.6 57.8

101 0.0 8.3 12.5#

130 2.2 19.0 28.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.77 min Scan# 541

Delta R.T. -0.06 min

Lab File: BF089528.D

Acq: 1 Aug 2016 23:56

Tgt Ion: 136 Resp: 126284

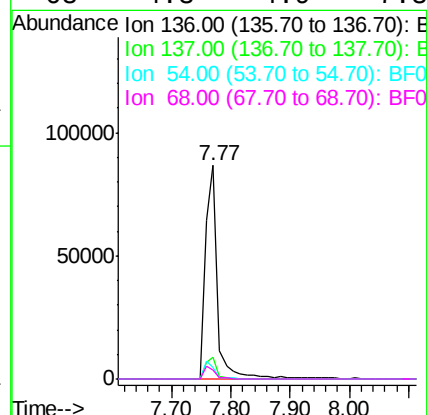
Ion Ratio Lower Upper

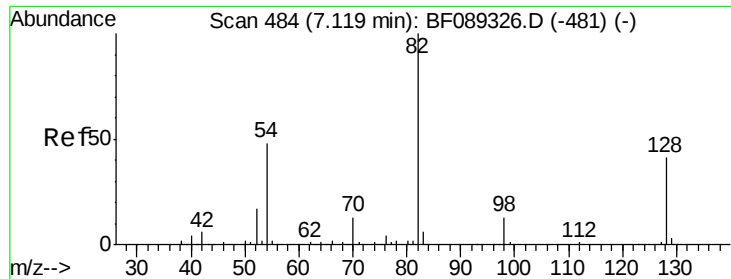
136 100

137 10.3 8.6 13.0

54 5.6 7.0 10.4#

68 4.3 4.9 7.3#

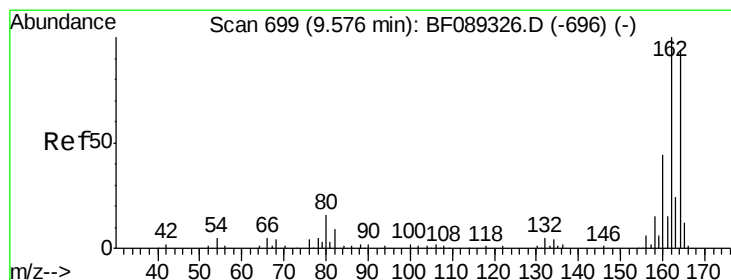
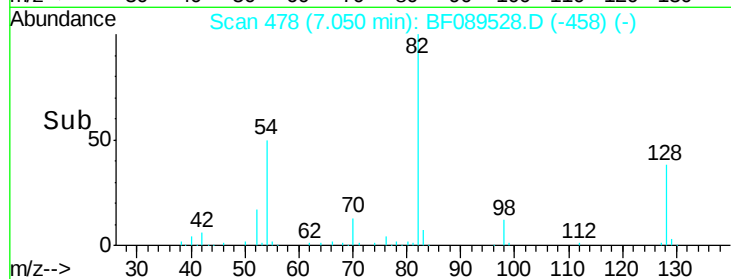
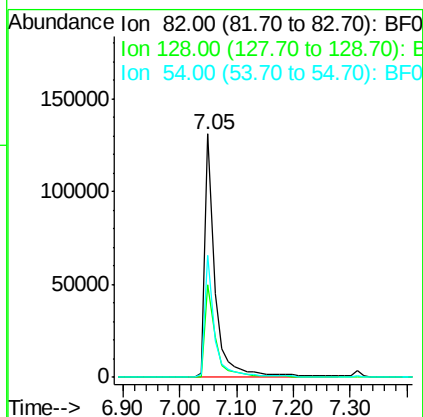
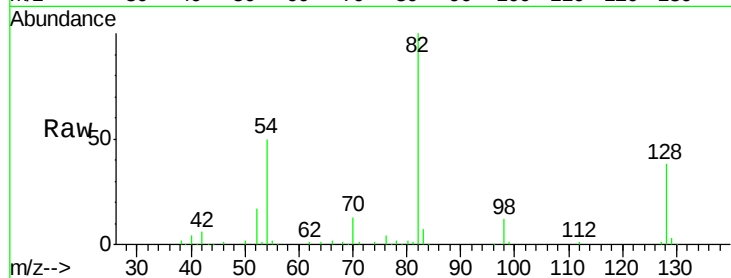




#23
 Nitrobenzene-d5
 Concen: 75.19 ng
 RT: 7.05 min Scan# 478
 Delta R.T. -0.07 min
 Lab File: BF089528.D
 Acq: 1 Aug 2016 23:56

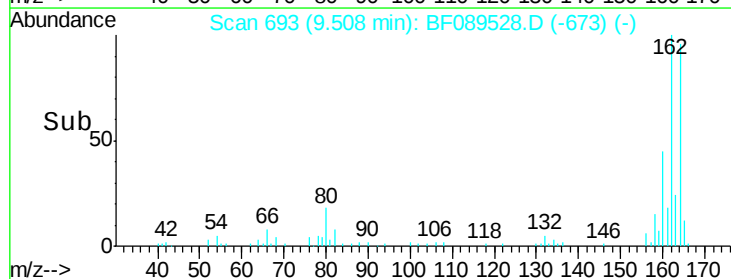
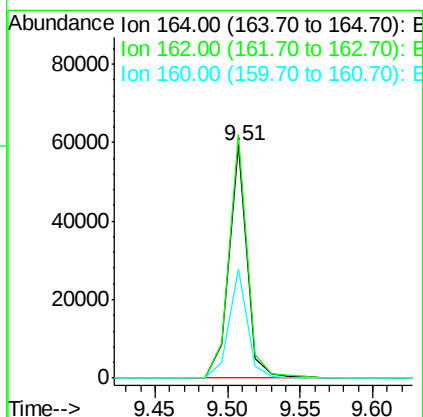
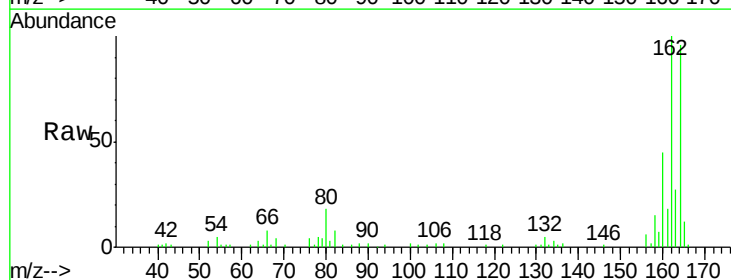
Instrument :
 BNA_F
 ClientSampleId :
 SB-60-0.5-1.5

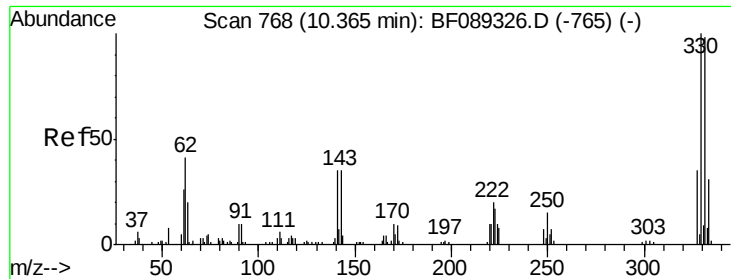
Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.2	32.5	48.7
54	50.3	38.8	58.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.51 min Scan# 693
 Delta R.T. -0.07 min
 Lab File: BF089528.D
 Acq: 1 Aug 2016 23:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	83.7	125.5
160	46.9	37.8	56.6

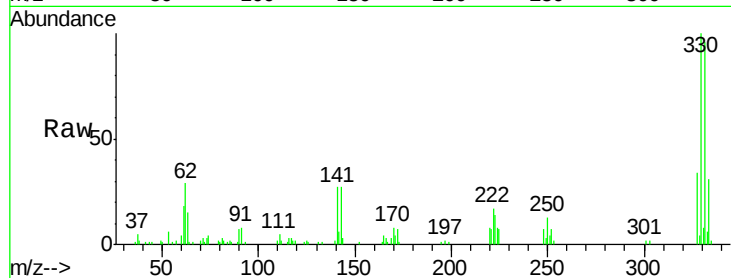




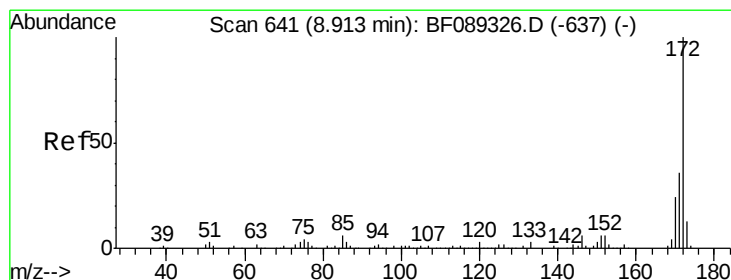
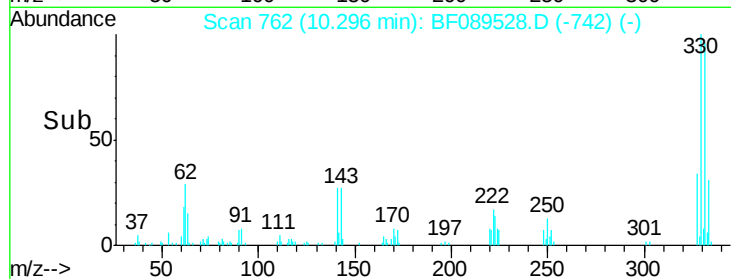
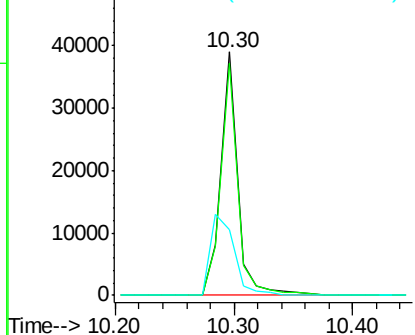
#41
 2,4,6-Tribromophenol
 Concen: 90.29 ng
 RT: 10.30 min Scan# 762
 Delta R.T. -0.07 min
 Lab File: BF089528.D
 Acq: 1 Aug 2016 23:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-60-0.5-1.5

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.8	115.2
141	46.4	37.3	55.9

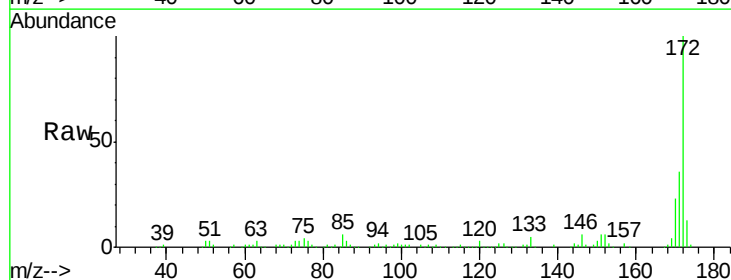


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

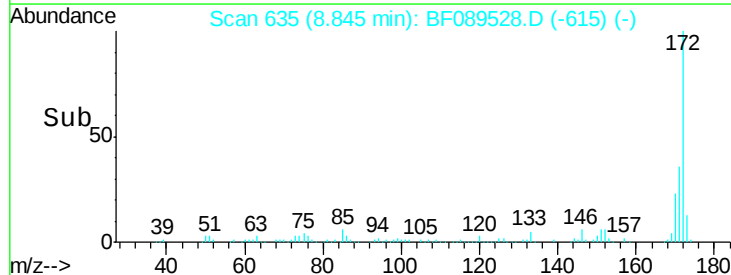
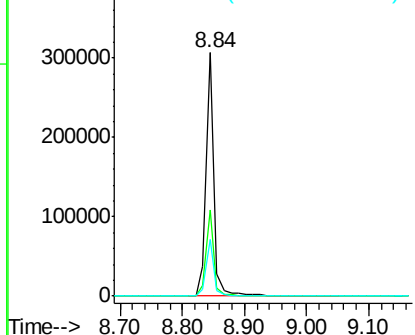


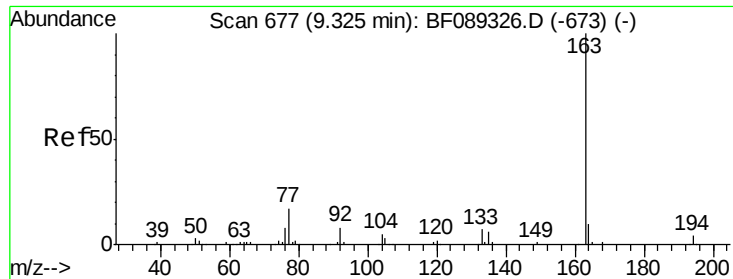
#44
 2-Fluorobiphenyl
 Concen: 78.43 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.07 min
 Lab File: BF089528.D
 Acq: 1 Aug 2016 23:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	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

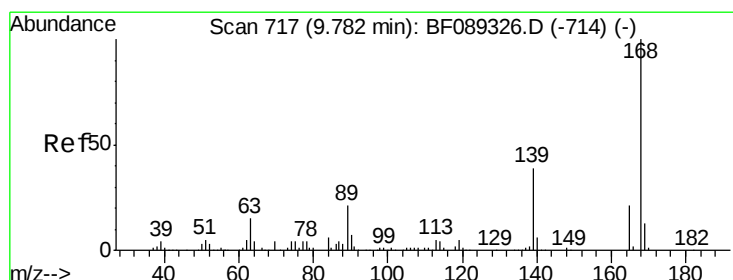
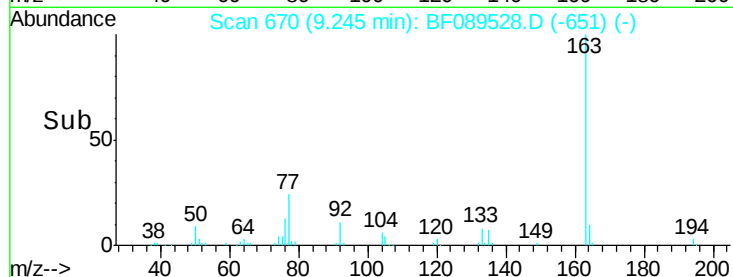
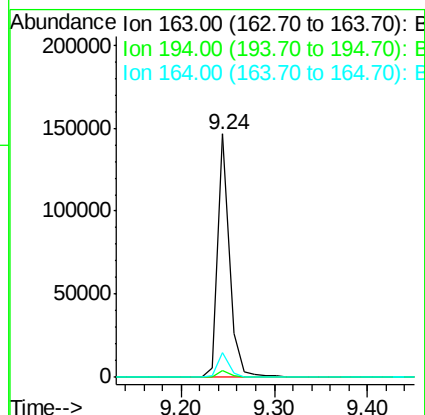
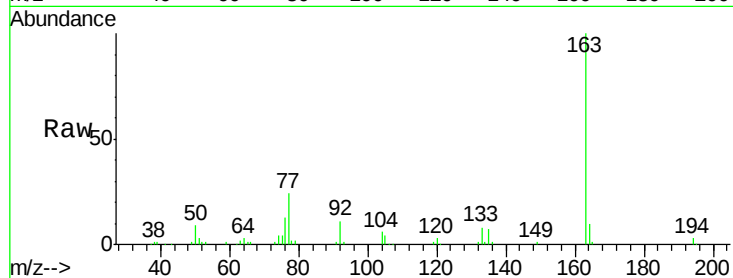




#49
Dimethylphthalate
Concen: 32.87 ng
RT: 9.24 min Scan# 670
Delta R.T. -0.08 min
Lab File: BF089528.D
Acq: 1 Aug 2016 23:56

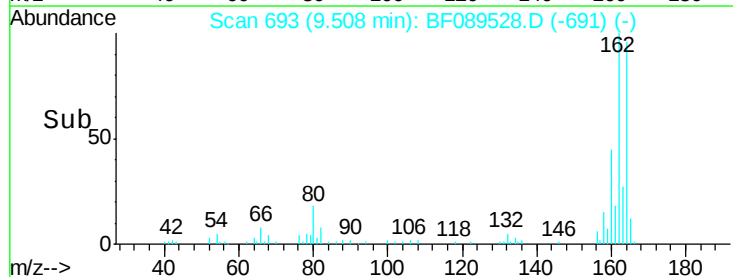
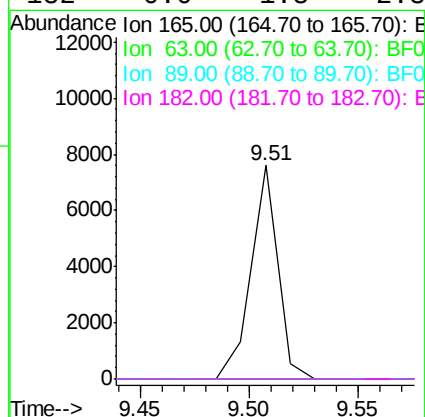
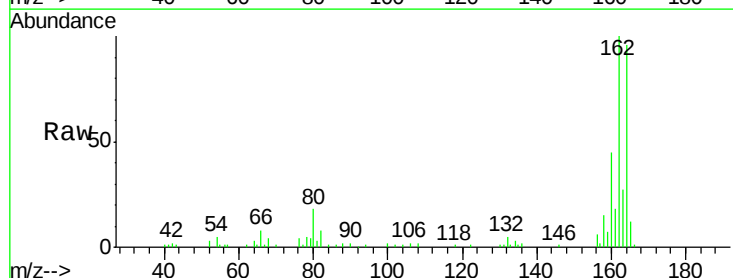
Instrument :
BNA_F
ClientSampleId :
SB-60-0.5-1.5

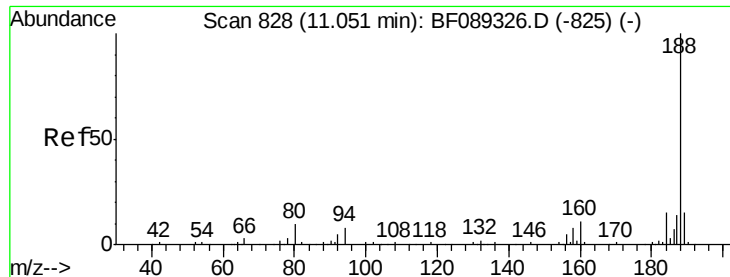
Tgt Ion:163 Resp: 128380
Ion Ratio Lower Upper
163 100
194 3.0 2.8 4.2
164 10.1 7.8 11.8



#56
2,4-Dinitrotoluene
Concen: 6.15 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.27 min
Lab File: BF089528.D
Acq: 1 Aug 2016 23:56

Tgt Ion:165 Resp: 6493
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#

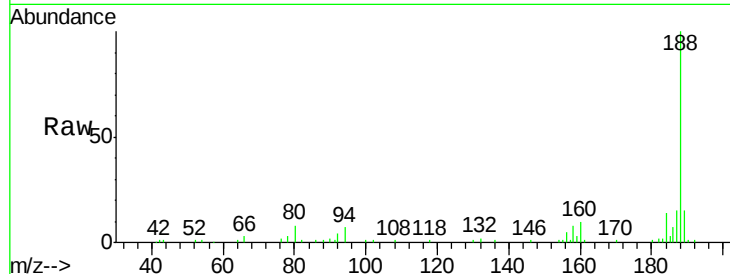




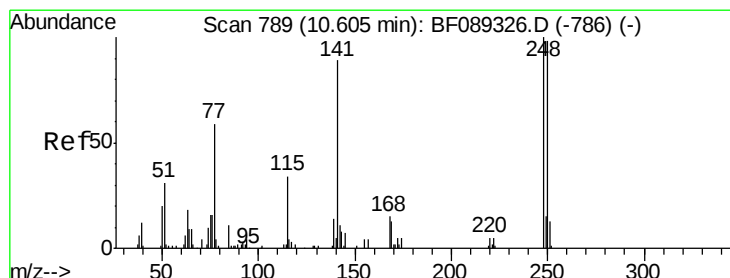
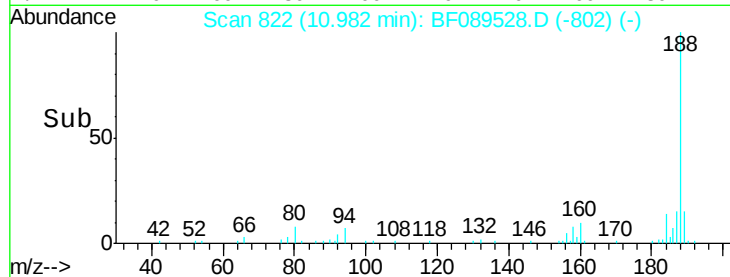
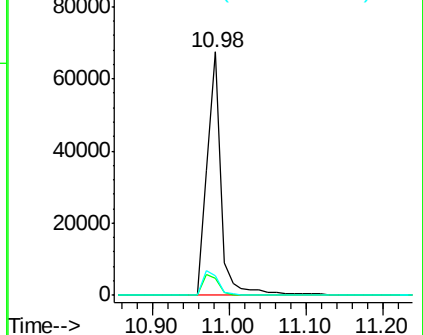
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.98 min Scan# 822
 Delta R.T. -0.07 min
 Lab File: BF089528.D
 Acq: 1 Aug 2016 23:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-60-0.5-1.5

Tgt Ion:188 Resp: 84224
 Ion Ratio Lower Upper
 188 100
 94 7.0 6.5 9.7
 80 8.1 7.2 10.8

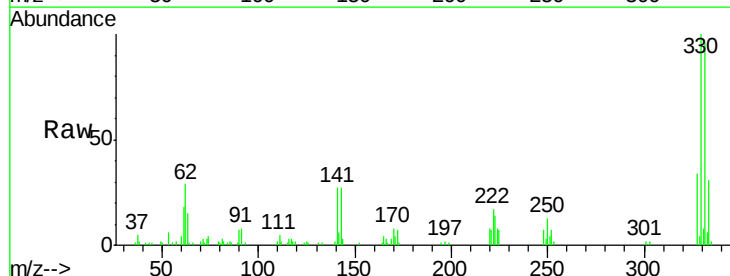


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

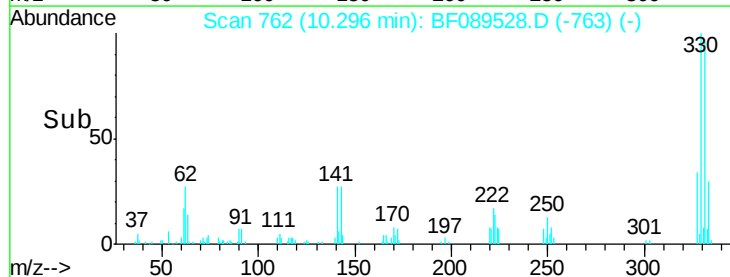
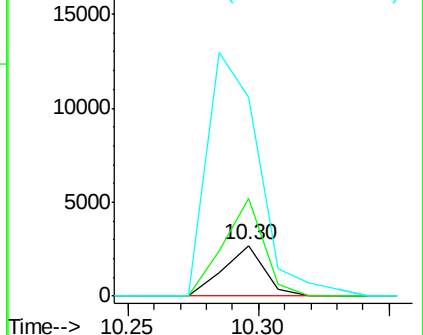


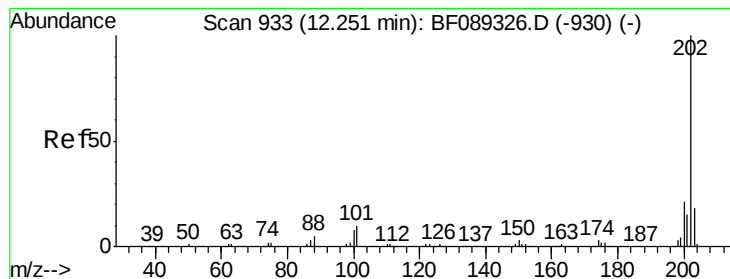
#66
 4-Bromophenyl-phenylether
 Concen: 3.63 ng
 RT: 10.30 min Scan# 762
 Delta R.T. -0.31 min
 Lab File: BF089528.D
 Acq: 1 Aug 2016 23:56

Tgt Ion:248 Resp: 2920
 Ion Ratio Lower Upper
 248 100
 250 194.4 78.2 117.2#
 141 393.5 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





#74

Fluoranthene

Concen: 2.98 ng

RT: 12.18 min Scan# 927

Delta R.T. -0.07 min

Lab File: BF089528.D

Acq: 1 Aug 2016 23:56

Instrument :

BNA_F

ClientSampleId :

SB-60-0.5-1.5

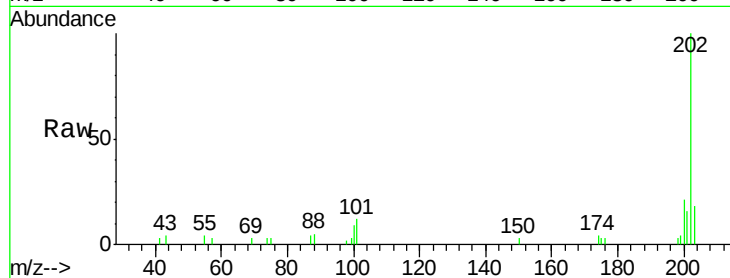
Tgt Ion:202 Resp: 13638

Ion Ratio Lower Upper

202 100

101 11.5 0.0 29.9

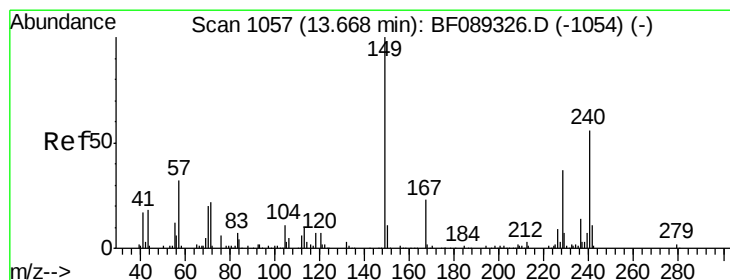
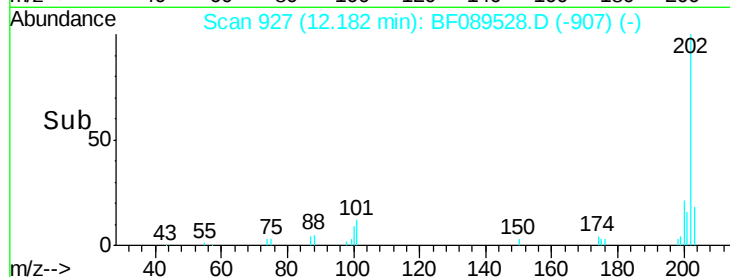
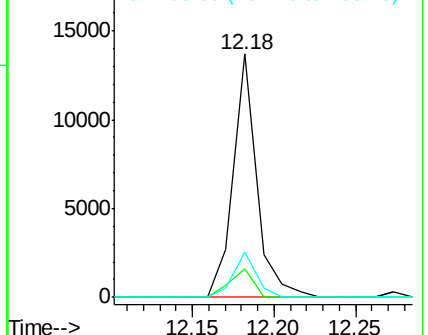
203 18.4 0.0 37.3



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. -0.07 min

Lab File: BF089528.D

Acq: 1 Aug 2016 23:56

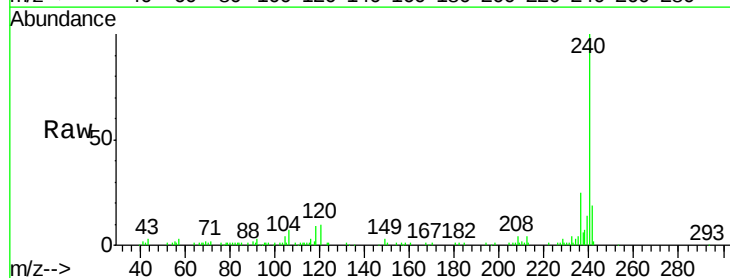
Tgt Ion:240 Resp: 83331

Ion Ratio Lower Upper

240 100

120 10.5 9.1 13.7

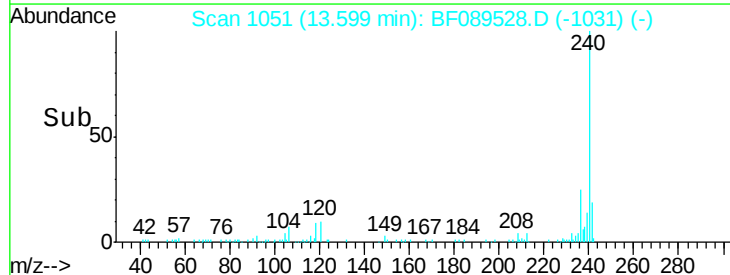
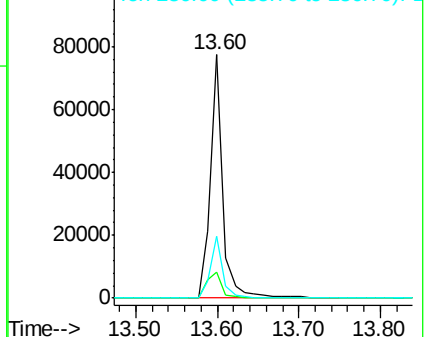
236 25.4 20.6 30.8

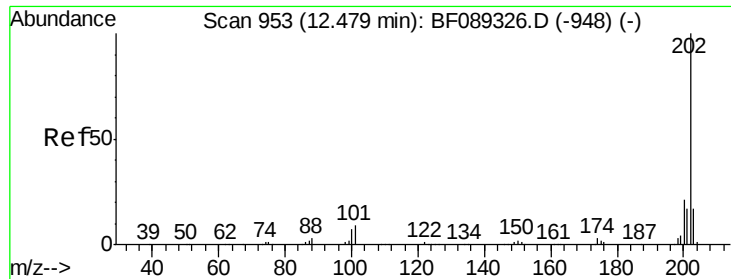


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

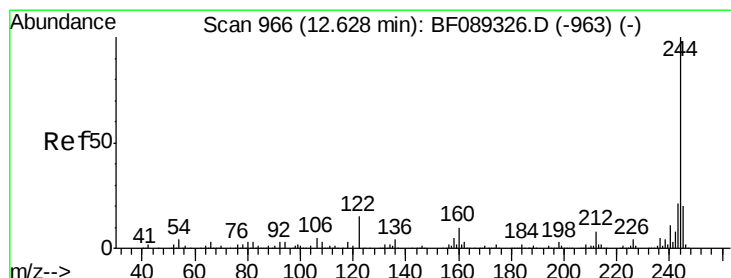
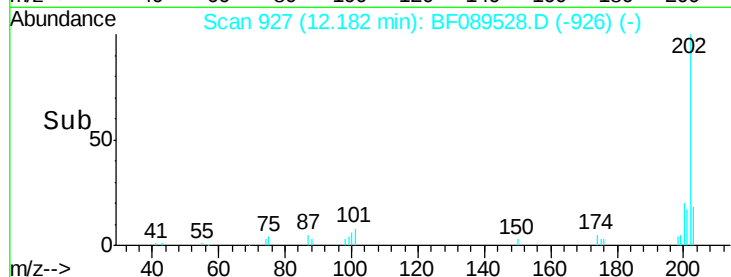
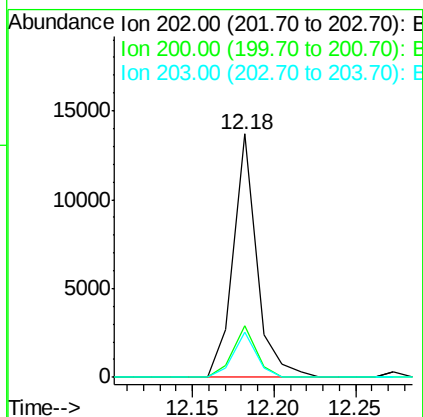
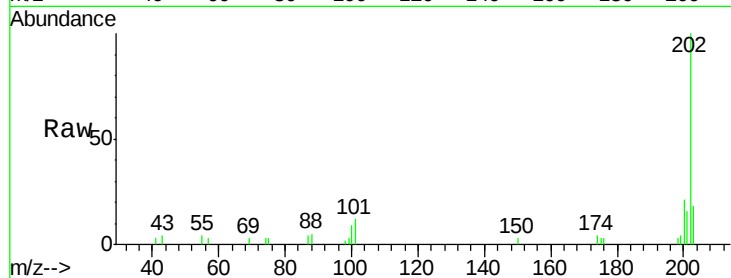




#77
 Pyrene
 Concen: 2.16 ng
 RT: 12.18 min Scan# 927
 Delta R.T. -0.29 min
 Lab File: BF089528.D
 Acq: 1 Aug 2016 23:56

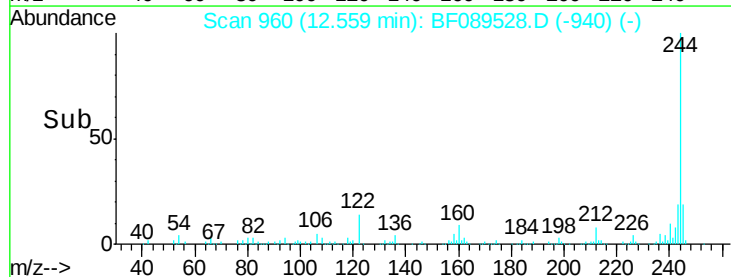
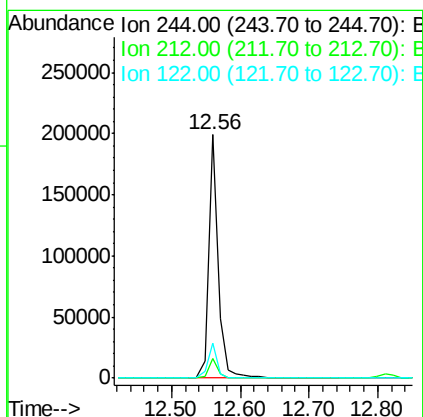
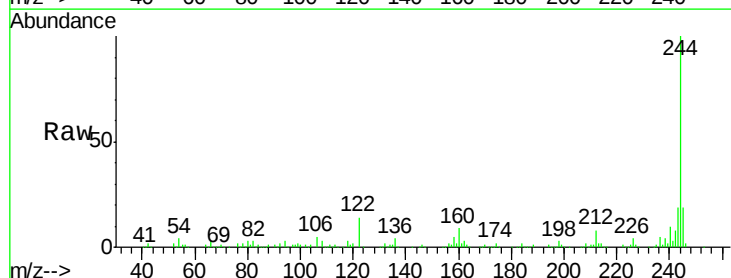
Instrument :
 BNA_F
 ClientSampleId :
 SB-60-0.5-1.5

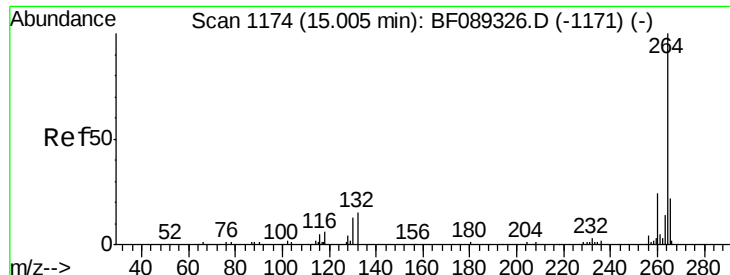
Tgt Ion: 202 Resp: 13638
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.9 25.3
 203 18.4 14.0 21.0



#78
 Terphenyl-d14
 Concen: 53.83 ng
 RT: 12.56 min Scan# 960
 Delta R.T. -0.07 min
 Lab File: BF089528.D
 Acq: 1 Aug 2016 23:56

Tgt Ion: 244 Resp: 191657
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.5 9.7
 122 14.4 11.4 17.0

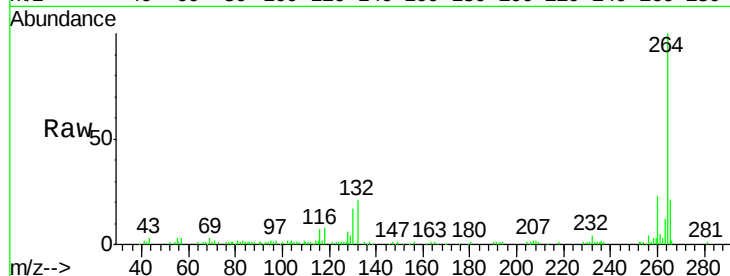




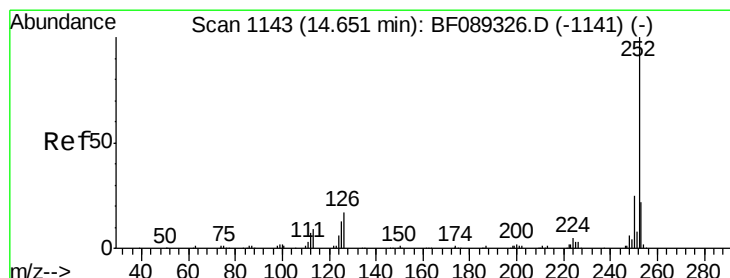
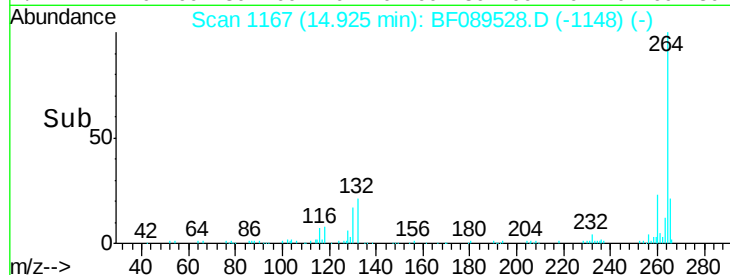
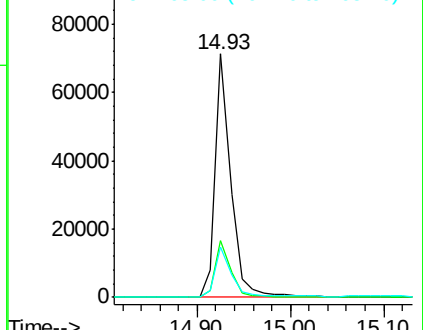
#86
Perylene-d12
Concen: 20.00 ng
RT: 14.93 min Scan# 1167
Delta R.T. -0.08 min
Lab File: BF089528.D
Acq: 1 Aug 2016 23:56

Instrument :
BNA_F
ClientSampleId :
SB-60-0.5-1.5

Tgt Ion: 264 Resp: 83568
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.4
265 20.9 17.5 26.3

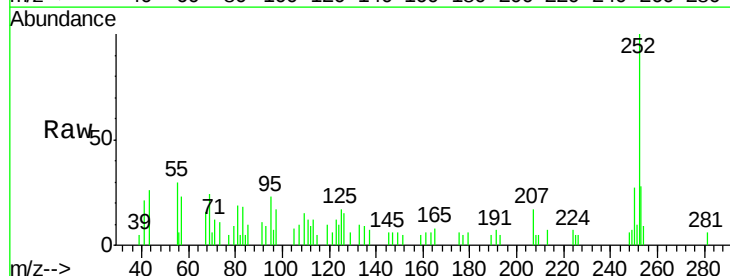


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 2.88 ng
RT: 14.59 min Scan# 1138
Delta R.T. -0.06 min
Lab File: BF089528.D
Acq: 1 Aug 2016 23:56

Tgt Ion: 252 Resp: 14934
Ion Ratio Lower Upper
252 100
253 28.3 17.2 25.8#
125 17.3 9.7 14.5#



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

