

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110116\
 Data File : BF090963.D
 Acq On : 1 Nov 2016 20:54
 Operator : UM/SJ
 Sample : H5491-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-78-0.5-1.0

Quant Time: Nov 01 23:55:59 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 01 11:53:50 2016
 Response via : Initial Calibration

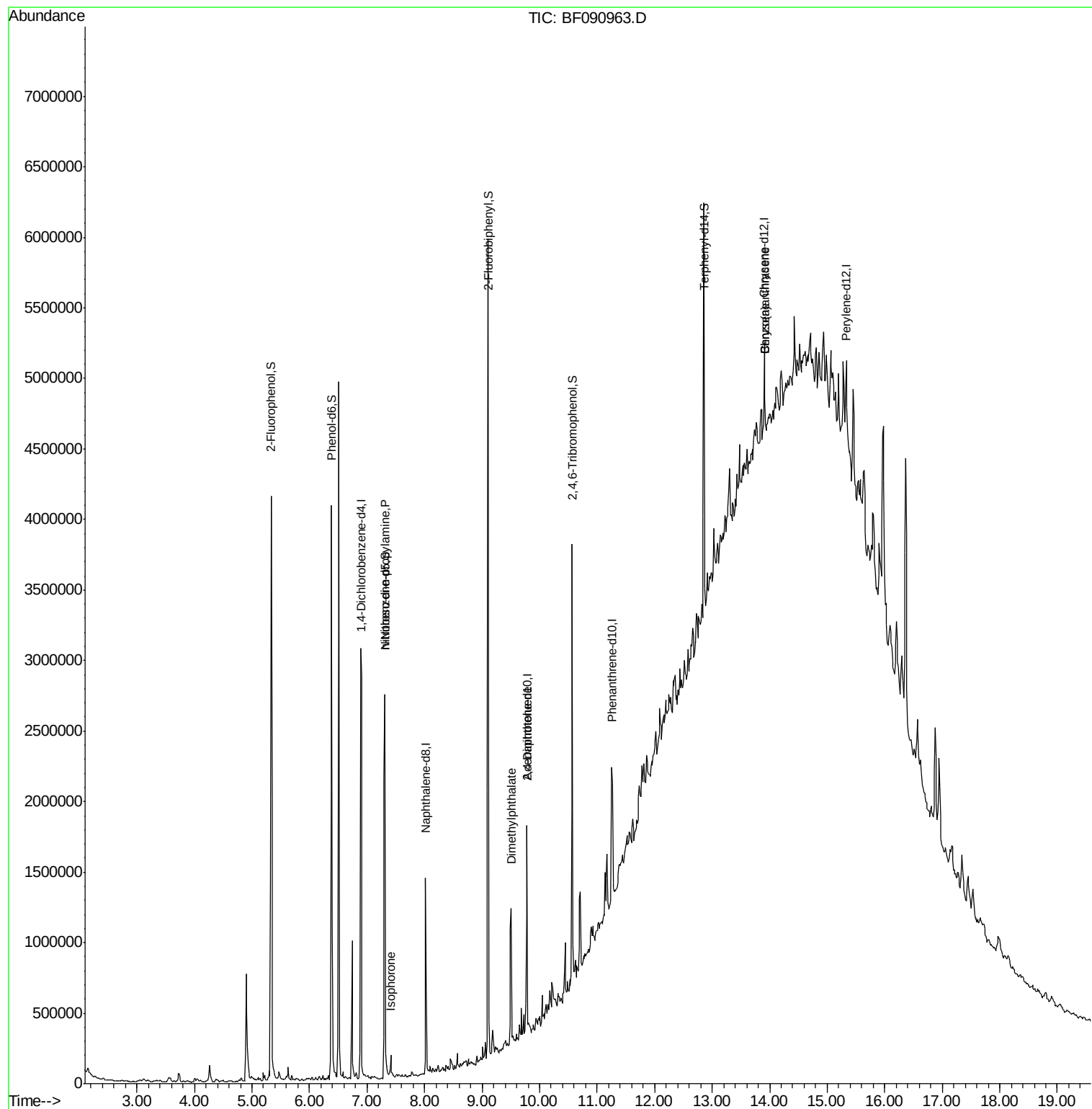
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	737840	20.00	ng	0.15
21) Naphthalene-d8	8.02	136	710756	20.00	ng	-0.02
38) Acenaphthene-d10	9.78	164	367337	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	527694	20.00	ng	-0.01
75) Chrysene-d12	13.91	240	375565	20.00	ng	0.00
86) Perylene-d12	15.32	264	365776	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1585544	37.57	ng	0.00
7) Phenol-d6	6.38	99	1868887	32.83	ng	-0.01
23) Nitrobenzene-d5	7.31	82	1356428	124.93	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	445727	118.07	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1851375	88.50	ng	-0.01
78) Terphenyl-d14	12.85	244	1276055	85.60	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	191437	5.82	ng	# 51
25) Isophorone	7.41	82	44757	2.03	ng	# 75
49) Dimethylphthalate	9.50	163	513627	20.93	ng	# 97
56) 2,4-Dinitrotoluene	9.78	165	49307	7.32	ng	# 34
80) Benzo(a)anthracene	13.92	228	58983	2.96	ng	# 21
82) Chrysene	13.92	228	58983	2.93	ng	# 24

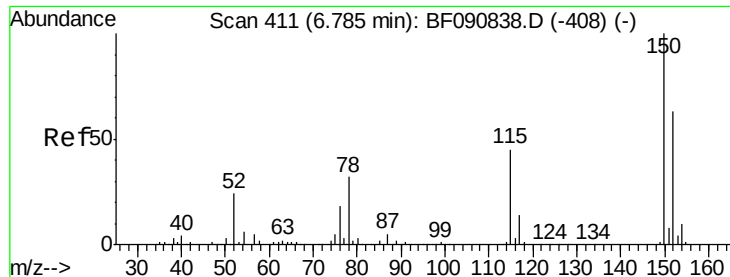
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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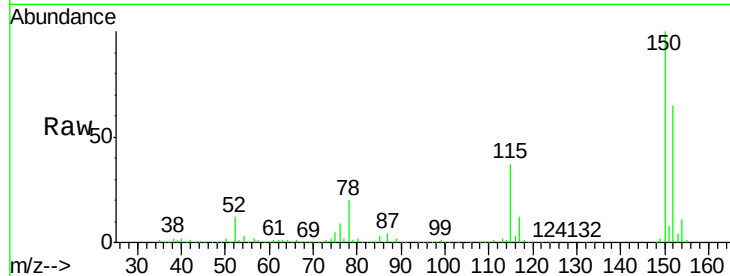




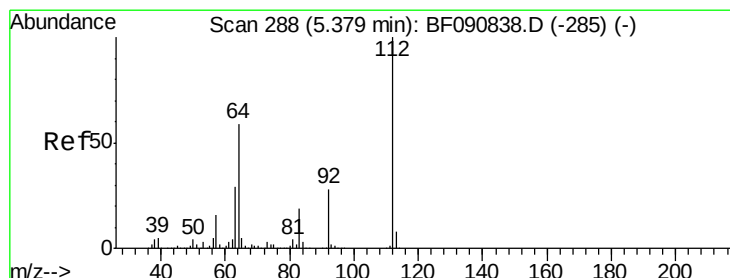
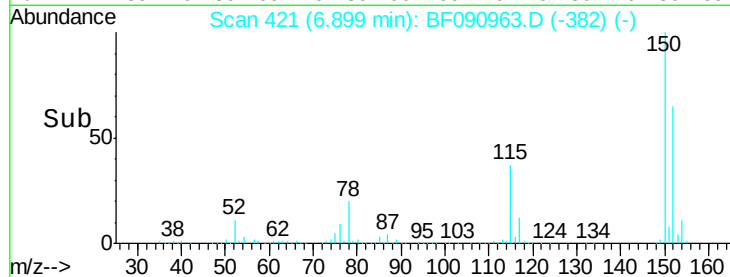
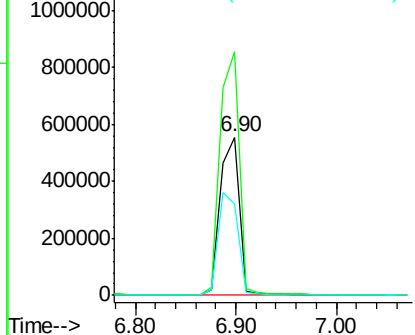
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.90 min Scan# 421
 Delta R.T. 0.15 min
 Lab File: BF090963.D
 Acq: 1 Nov 2016 20:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-78-0.5-1.0

Tgt Ion:152 Resp: 737840
 Ion Ratio Lower Upper
 152 100
 150 153.9 124.7 187.1
 115 57.7 39.0 58.4

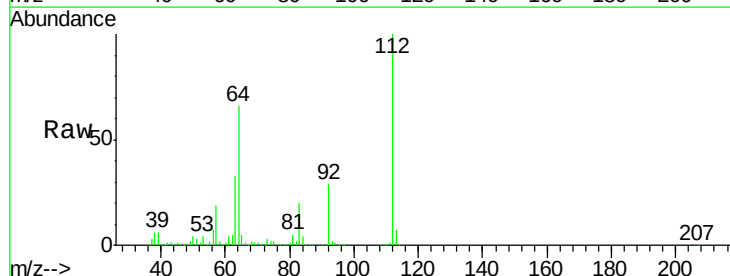


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

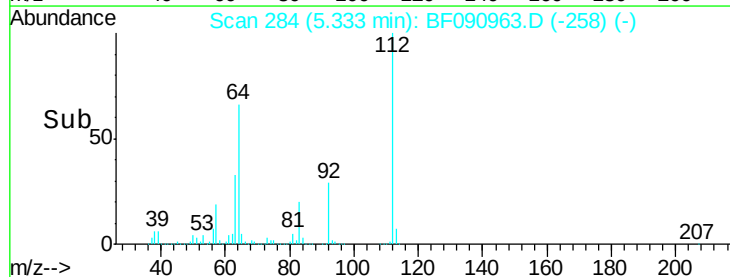
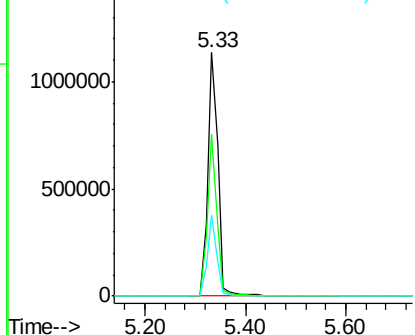


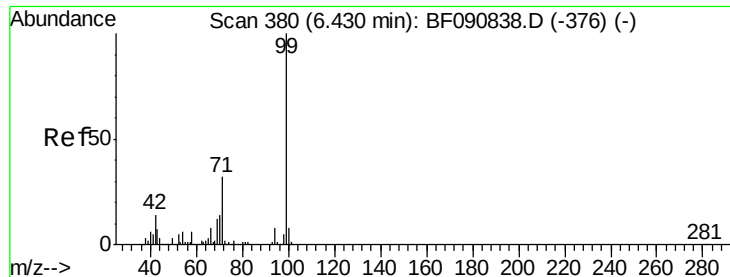
#5
 2-Fluorophenol
 Concen: 37.57 ng
 RT: 5.33 min Scan# 284
 Delta R.T. -0.00 min
 Lab File: BF090963.D
 Acq: 1 Nov 2016 20:54

Tgt Ion:112 Resp: 1585544
 Ion Ratio Lower Upper
 112 100
 64 66.4 39.7 59.5#
 63 33.4 17.4 26.0#



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: 32.83 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF090963.D

Acq: 1 Nov 2016 20:54

Instrument :

BNA_F

ClientSampleId :

SB-78-0.5-1.0

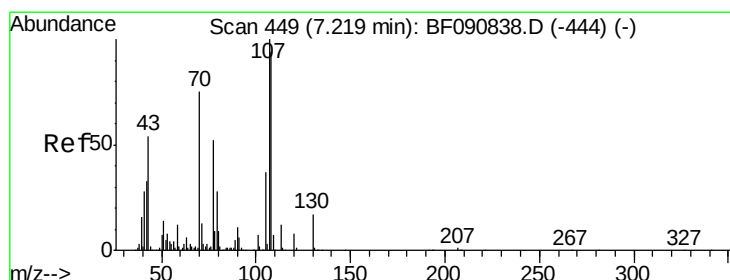
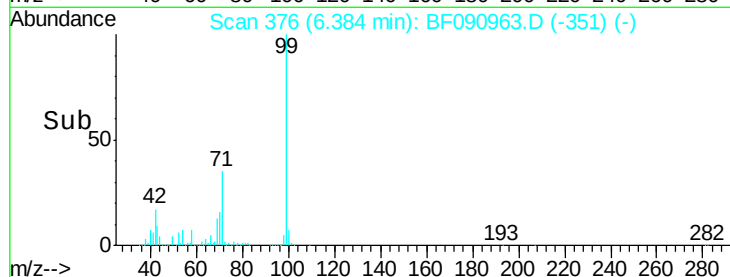
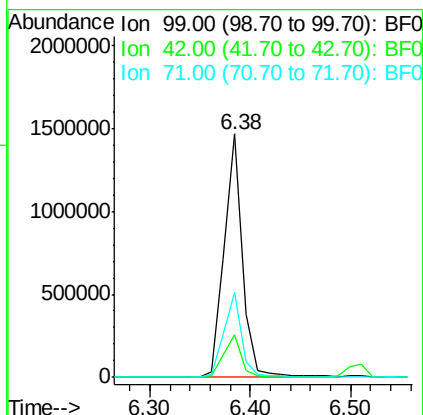
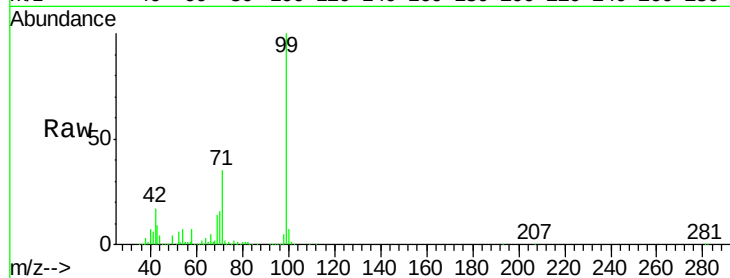
Tgt Ion: 99 Resp: 1868887

Ion Ratio Lower Upper

99 100

42 17.4 13.7 20.5

71 35.1 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 5.82 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.14 min

Lab File: BF090963.D

Acq: 1 Nov 2016 20:54

Tgt Ion: 70 Resp: 191437

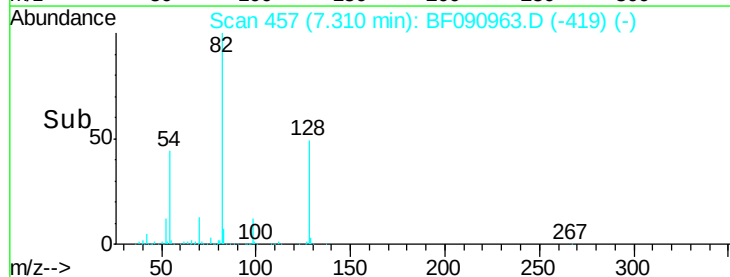
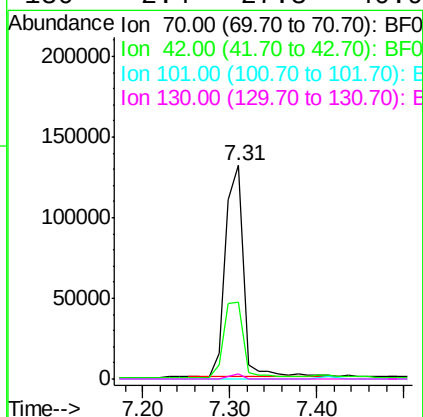
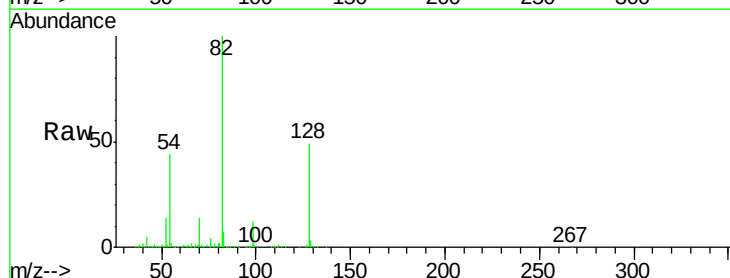
Ion Ratio Lower Upper

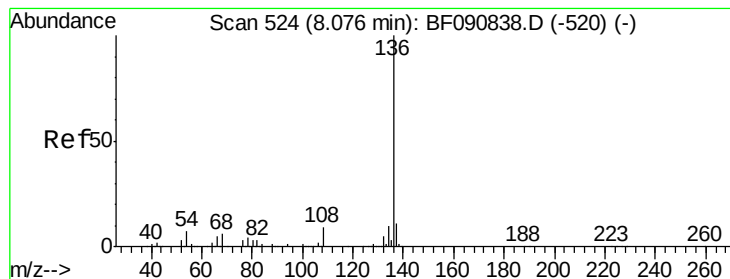
70 100

42 35.9 63.8 95.6#

101 0.0 9.2 13.8#

130 2.4 27.3 40.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.02 min

Lab File: BF090963.D

Acq: 1 Nov 2016 20:54

Instrument :

BNA_F

ClientSampleId :

SB-78-0.5-1.0

Tgt Ion:136 Resp: 710756

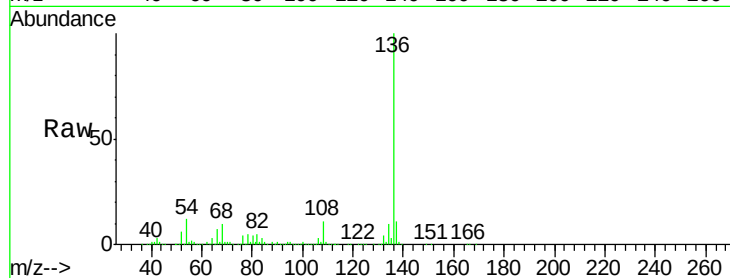
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.6

54 11.5 8.2 12.2

68 9.6 5.8 8.6#

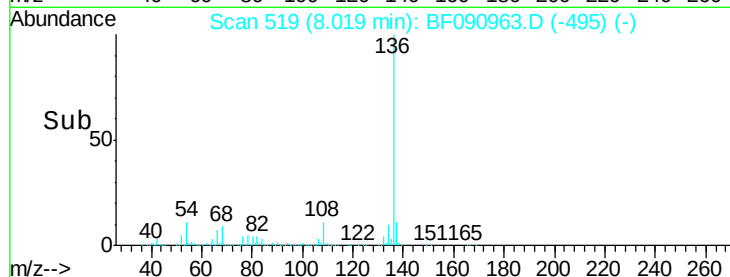


Abundance Ion 136.00 (135.70 to 136.70): E

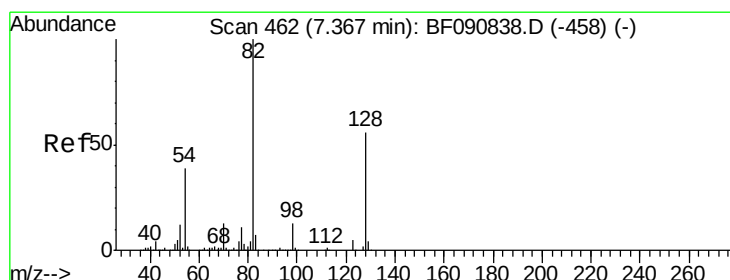
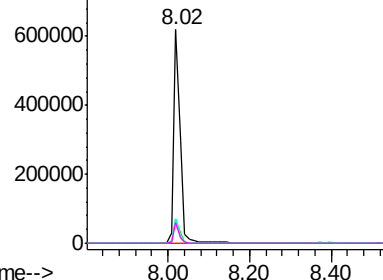
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 124.93 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF090963.D

Acq: 1 Nov 2016 20:54

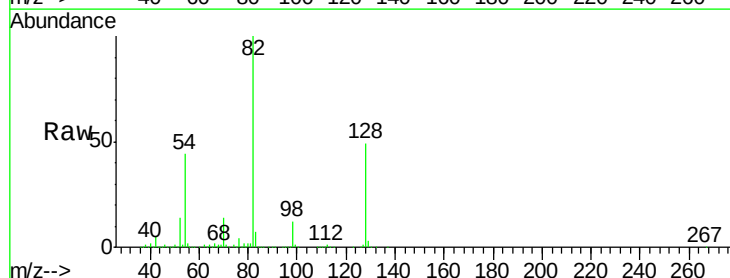
Tgt Ion: 82 Resp: 1356428

Ion Ratio Lower Upper

82 100

128 49.4 51.0 76.6#

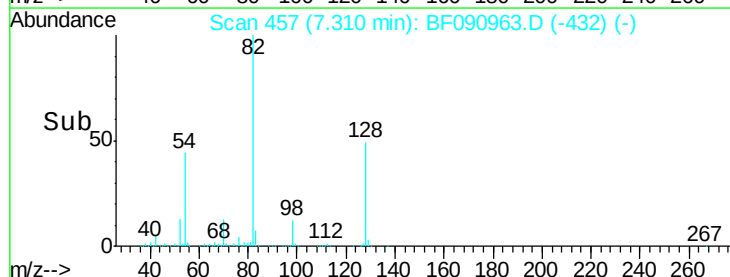
54 44.2 47.5 71.3#



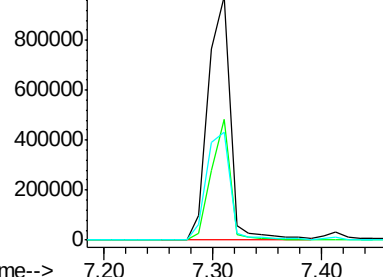
Abundance Ion 82.00 (81.70 to 82.70): BF0

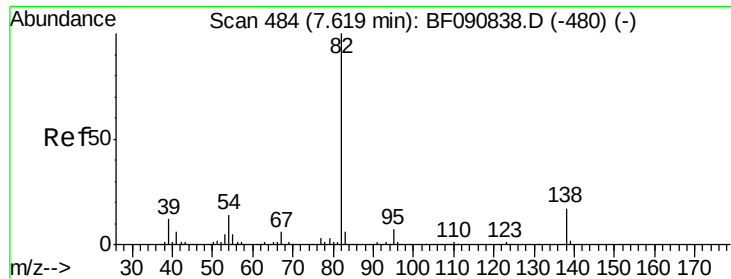
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 2.03 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.17 min

Lab File: BF090963.D

Acq: 1 Nov 2016 20:54

Instrument :

BNA_F

ClientSampleId :

SB-78-0.5-1.0

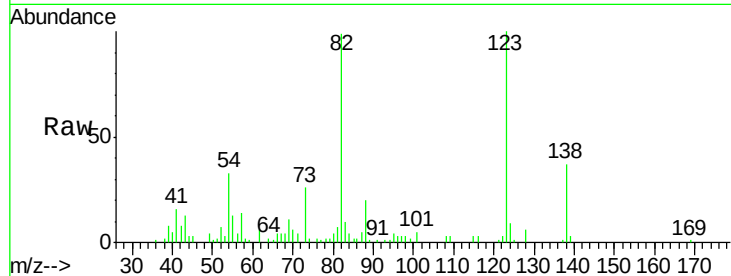
Tgt Ion: 82 Resp: 44757

Ion Ratio Lower Upper

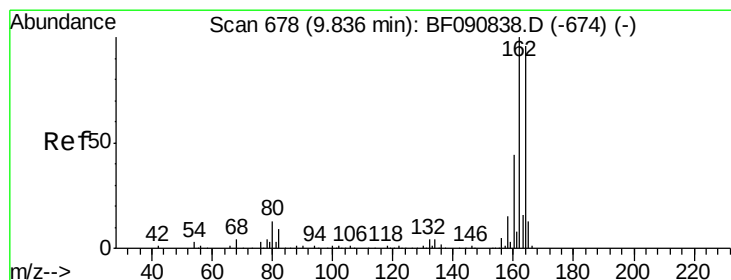
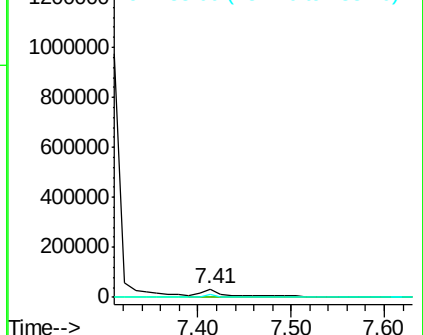
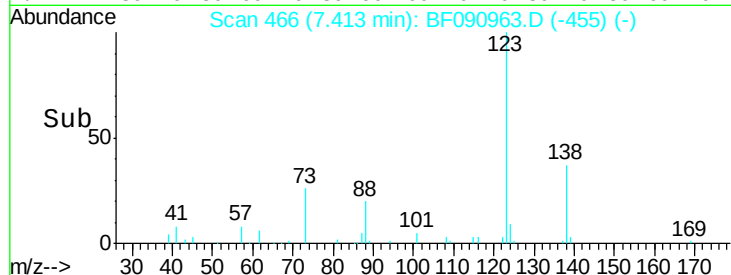
82 100

95 4.2 4.0 6.0

138 37.4 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF090963.D

Acq: 1 Nov 2016 20:54

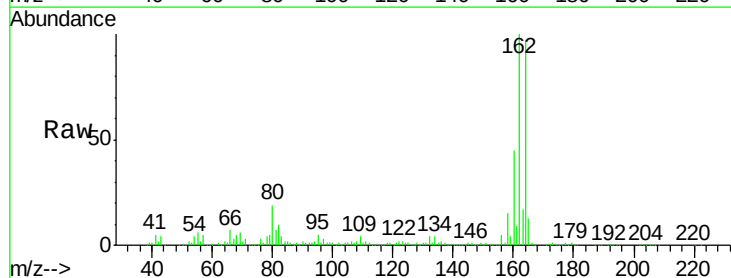
Tgt Ion: 164 Resp: 367337

Ion Ratio Lower Upper

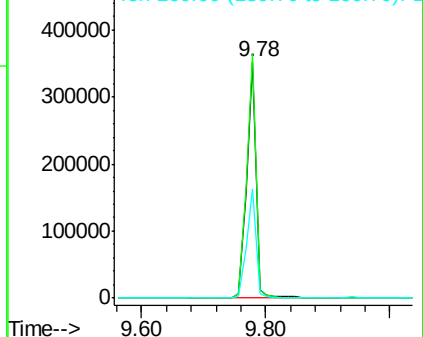
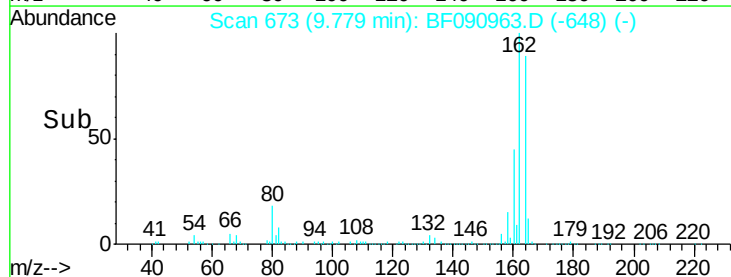
164 100

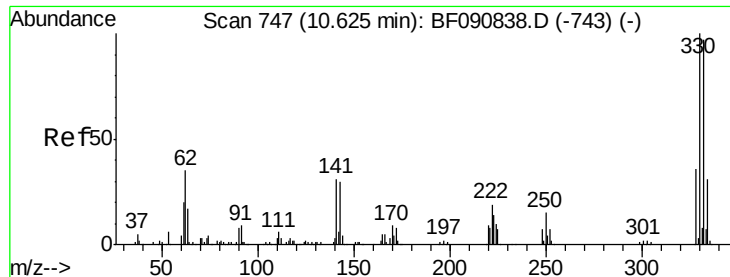
162 102.9 75.2 112.8

160 46.1 31.5 47.3



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

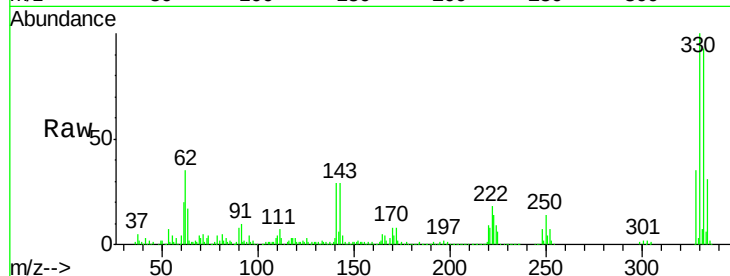




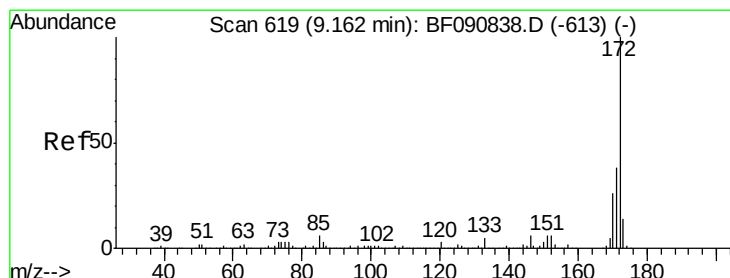
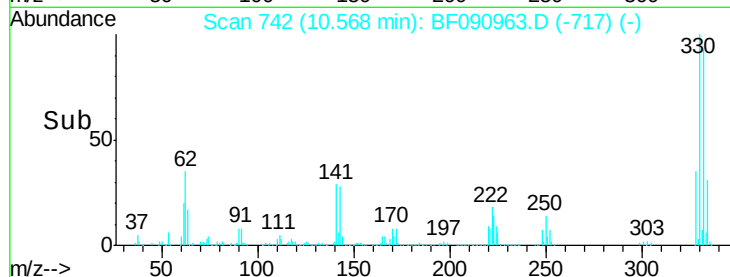
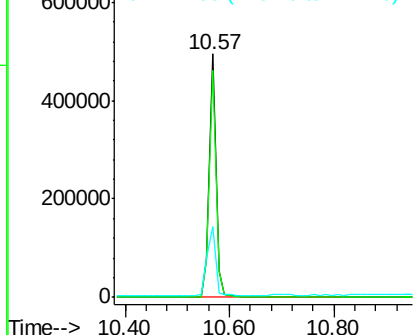
#41
 2,4,6-Tribromophenol
 Concen: 118.07 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.01 min
 Lab File: BF090963.D
 Acq: 1 Nov 2016 20:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-78-0.5-1.0

Tgt Ion:330 Resp: 445727
 Ion Ratio Lower Upper
 330 100
 332 94.3 76.6 114.8
 141 37.4 29.7 44.5

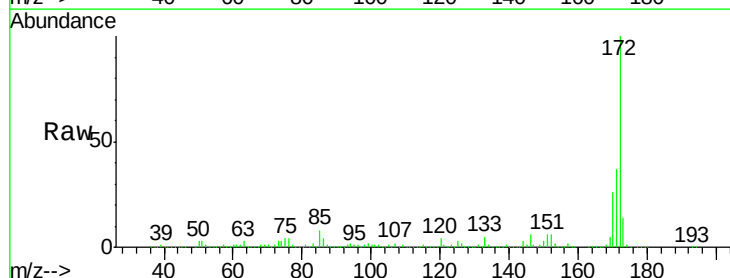


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

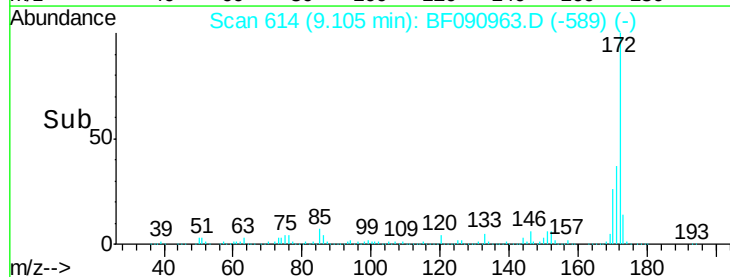
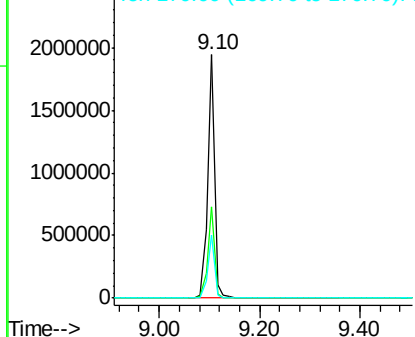


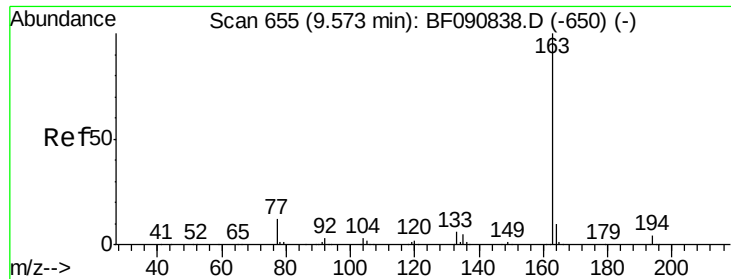
#44
 2-Fluorobiphenyl
 Concen: 88.50 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF090963.D
 Acq: 1 Nov 2016 20:54

Tgt Ion:172 Resp: 1851375
 Ion Ratio Lower Upper
 172 100
 171 37.3 26.1 39.1
 170 25.8 17.4 26.2



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: 20.93 ng

RT: 9.50 min Scan# 649

Delta R.T. -0.01 min

Lab File: BF090963.D

Acq: 1 Nov 2016 20:54

Instrument :

BNA_F

ClientSampleId :

SB-78-0.5-1.0

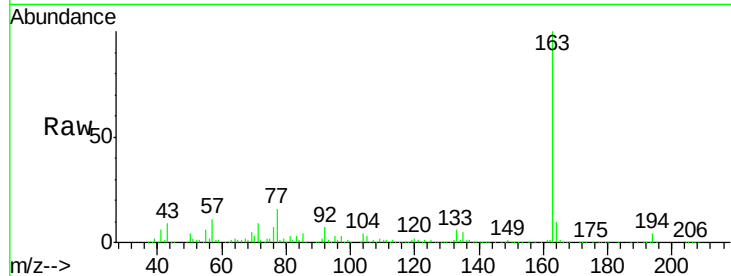
Tgt Ion:163 Resp: 513627

Ion Ratio Lower Upper

163 100

194 3.8 4.4 6.6#

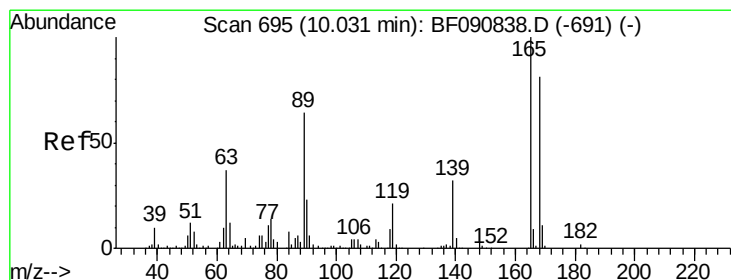
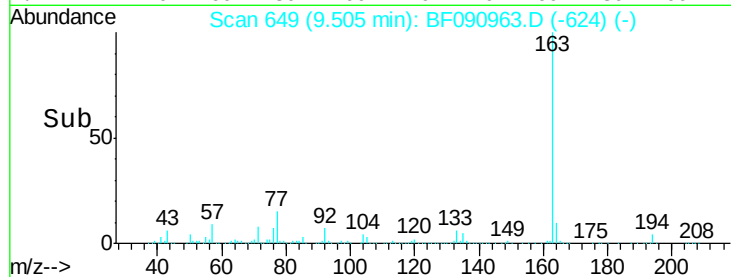
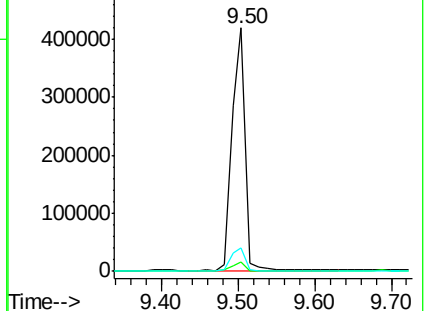
164 9.8 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 7.32 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.21 min

Lab File: BF090963.D

Acq: 1 Nov 2016 20:54

Tgt Ion:165 Resp: 49307

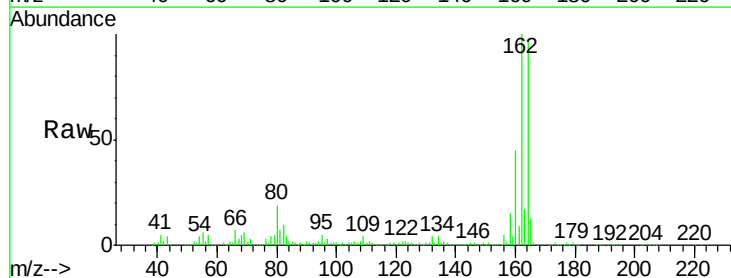
Ion Ratio Lower Upper

165 100

63 1.6 29.8 44.6#

89 1.3 44.5 66.7#

182 0.0 3.0 4.4#

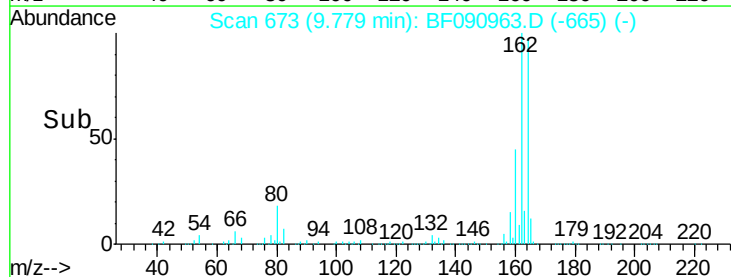
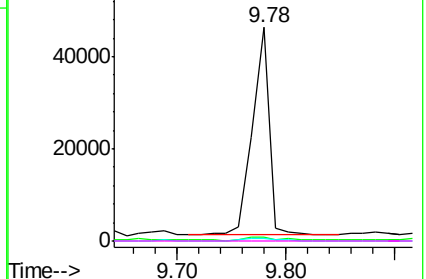


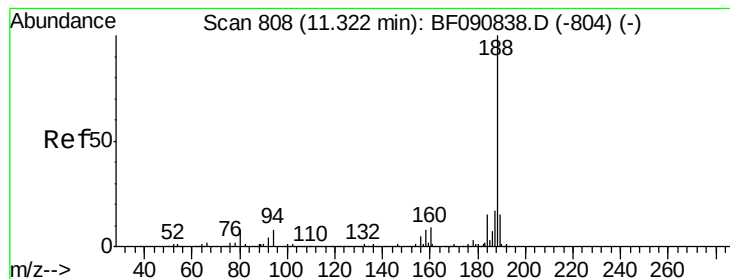
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.25 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF090963.D

Acq: 1 Nov 2016 20:54

Instrument :

BNA_F

ClientSampleId :

SB-78-0.5-1.0

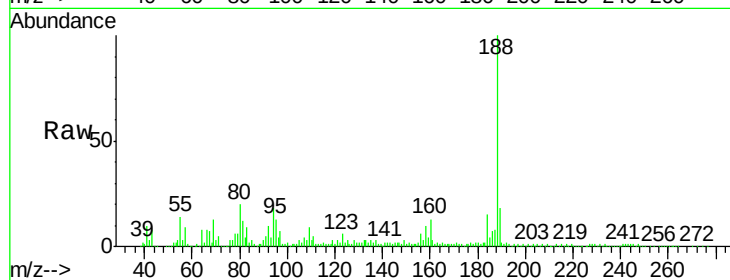
Tgt Ion:188 Resp: 527694

Ion Ratio Lower Upper

188 100

94 18.2 11.1 16.7#

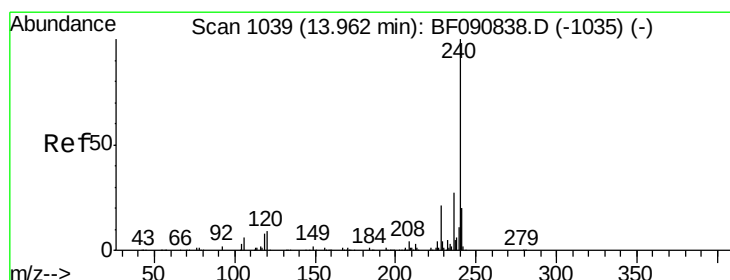
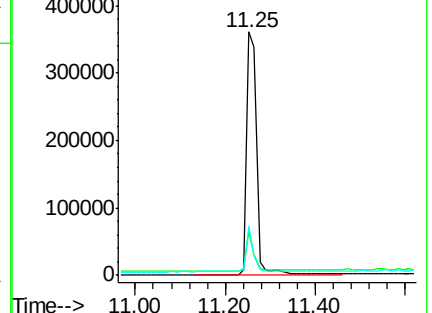
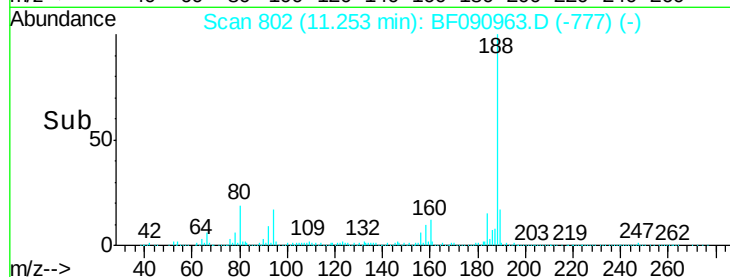
80 20.3 11.0 16.4#



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: 13.91 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF090963.D

Acq: 1 Nov 2016 20:54

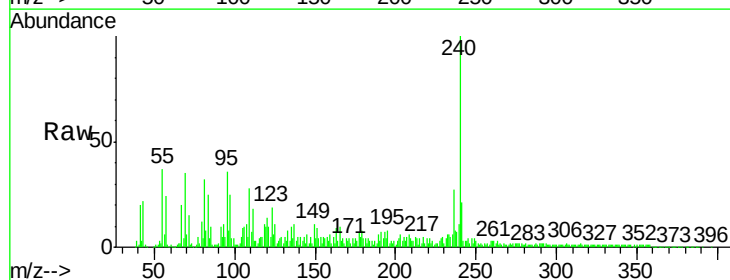
Tgt Ion:240 Resp: 375565

Ion Ratio Lower Upper

240 100

120 14.5 16.2 24.2#

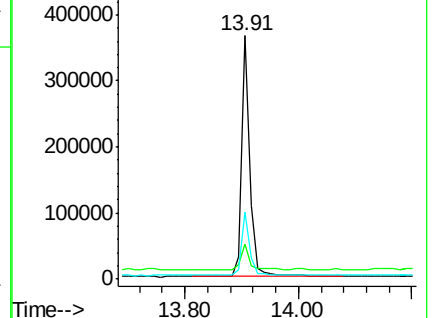
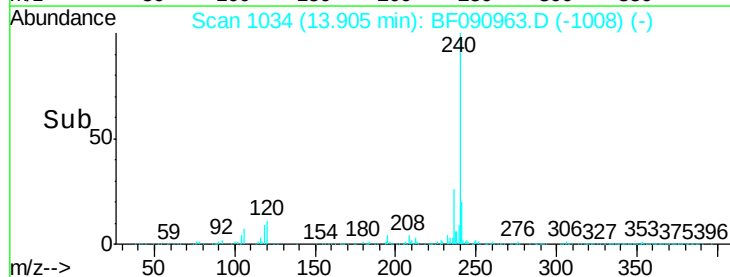
236 27.2 18.4 27.6

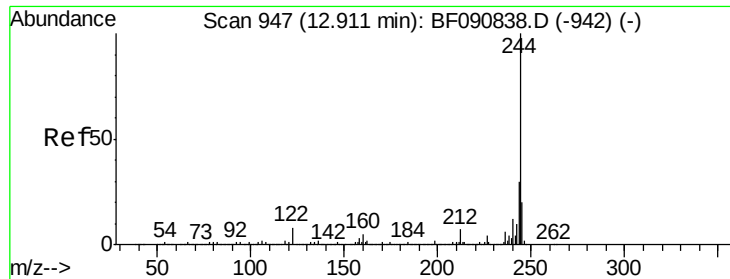


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

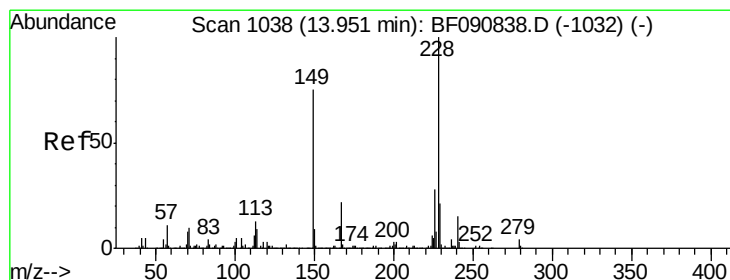
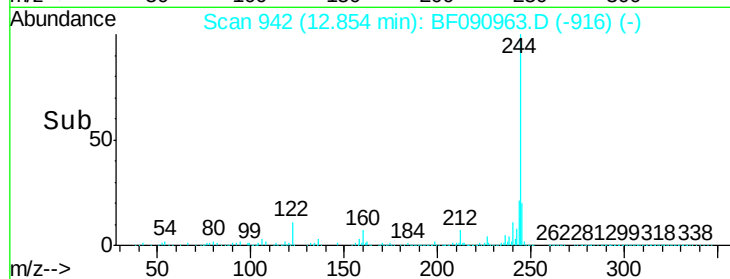
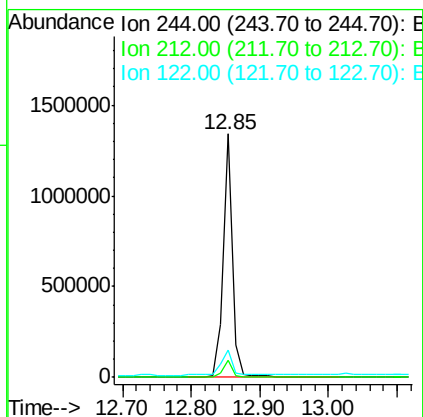
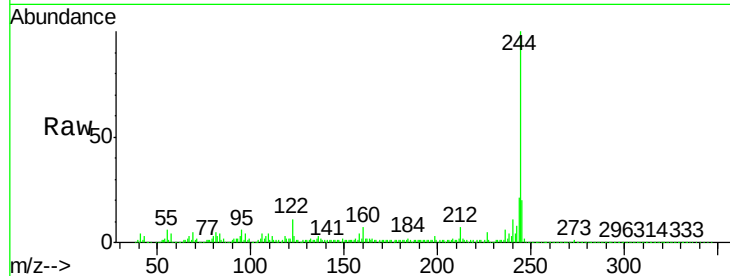




#78
 Terphenyl-d14
 Concen: 85.60 ng
 RT: 12.85 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BF090963.D
 Acq: 1 Nov 2016 20:54

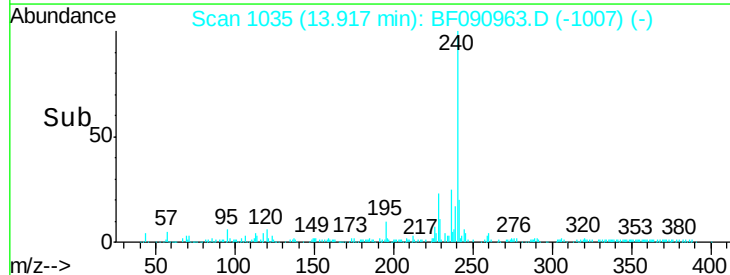
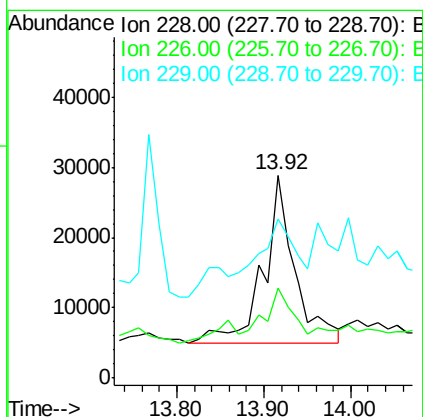
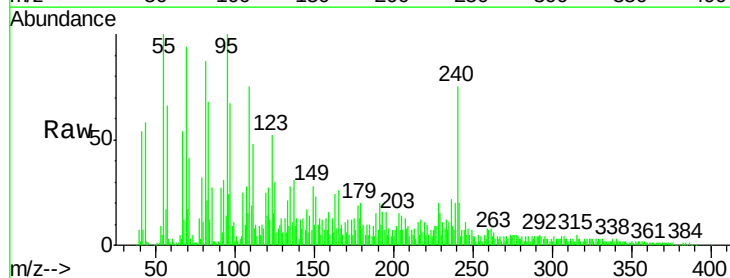
Instrument :
 BNA_F
 ClientSampleId :
 SB-78-0.5-1.0

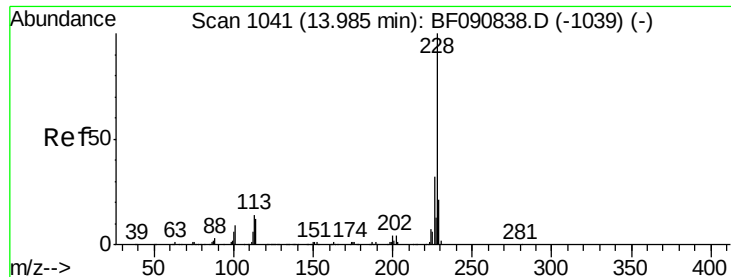
Tgt Ion:244 Resp: 1276055
 Ion Ratio Lower Upper
 244 100
 212 7.1 4.3 6.5#
 122 11.3 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 2.96 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. 0.02 min
 Lab File: BF090963.D
 Acq: 1 Nov 2016 20:54

Tgt Ion:228 Resp: 58983
 Ion Ratio Lower Upper
 228 100
 226 44.5 20.0 30.0#
 229 78.6 15.4 23.2#





#82

Chrysene

Concen: 2.93 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF090963.D

Acq: 1 Nov 2016 20:54

Instrument :

BNA_F

ClientSampleId :

SB-78-0.5-1.0

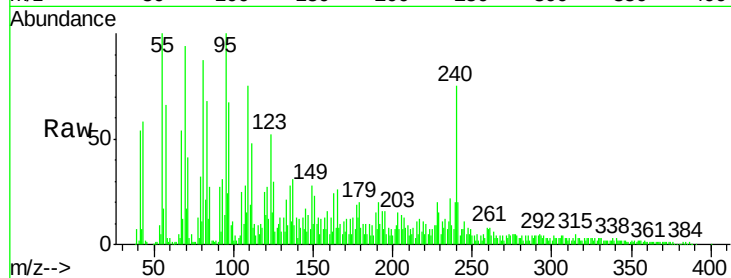
Tgt Ion:228 Resp: 58983

Ion Ratio Lower Upper

228 100

226 44.5 21.0 31.4#

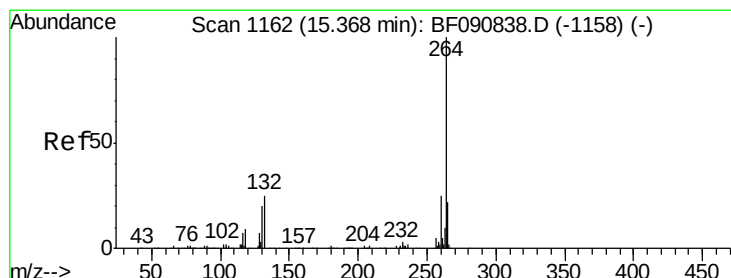
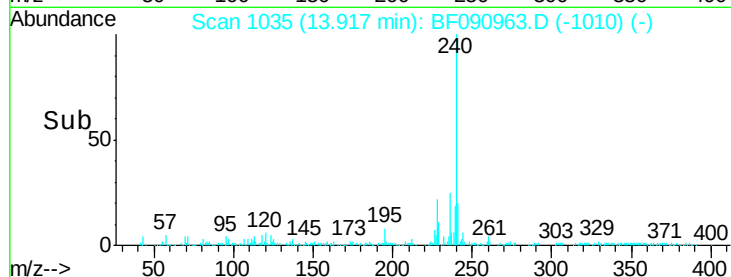
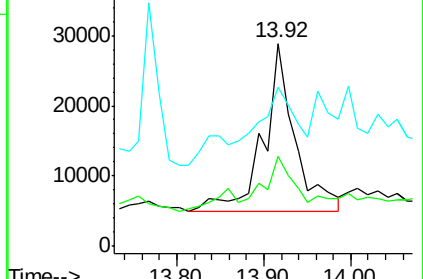
229 78.6 15.6 23.4#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.32 min Scan# 1158

Delta R.T. 0.02 min

Lab File: BF090963.D

Acq: 1 Nov 2016 20:54

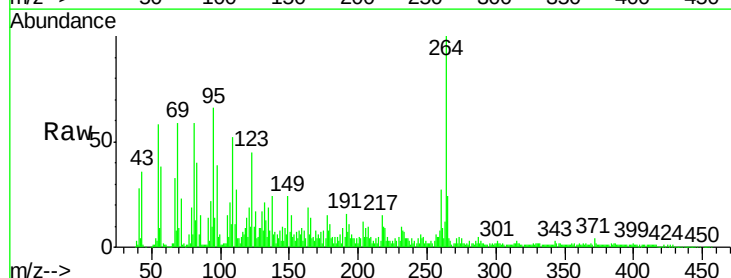
Tgt Ion:264 Resp: 365776

Ion Ratio Lower Upper

264 100

260 26.9 16.7 25.1#

265 24.2 17.2 25.8



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

