

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071516\
 Data File : BF089021.D
 Acq On : 15 Jul 2016 17:26
 Operator : UM/SJ
 Sample : H3972-05 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB09(0-2in)

Quant Time: Jul 15 22:58:47 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

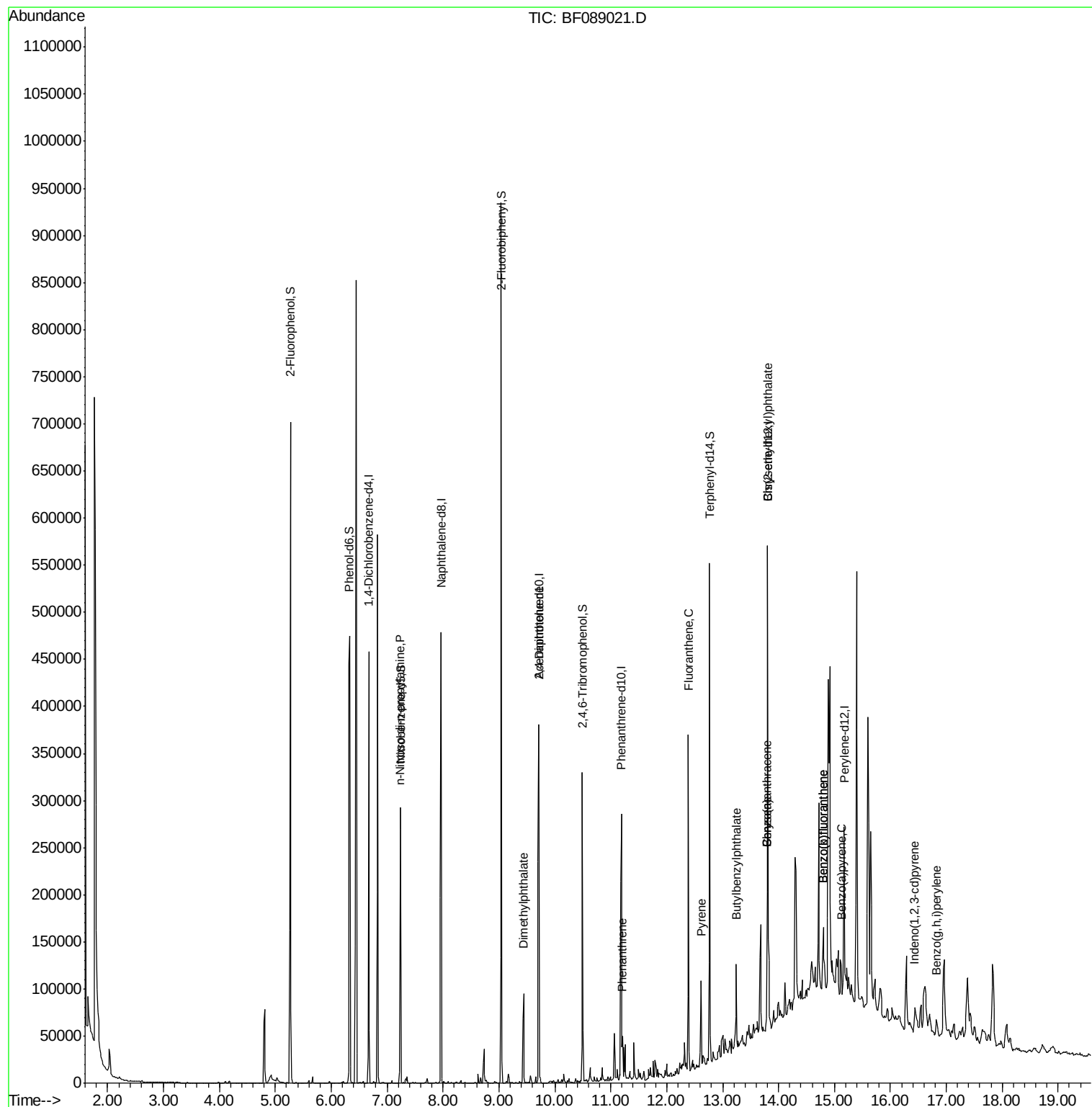
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	60068	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	233800	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	89446	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	135244	20.00	ng	-0.03
75) Chrysene-d12	13.81	240	109874	20.00	ng	-0.05
86) Perylene-d12	15.18	264	82140	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	186307	46.48	ng	-0.02
7) Phenol-d6	6.33	99	241021	46.54	ng	-0.02
23) Nitrobenzene-d5	7.24	82	139811	31.34	ng	-0.03
41) 2,4,6-Tribromophenol	10.49	330	28609	34.44	ng	-0.05
44) 2-Fluorobiphenyl	9.04	172	250722	44.28	ng	-0.03
78) Terphenyl-d14	12.77	244	138045	27.98	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	18391	5.29	ng	# 78
49) Dimethylphthalate	9.44	163	50829	7.98	ng	99
56) 2,4-Dinitrotoluene	9.71	165	11383	6.16	ng	# 36
70) Phenanthrene	11.21	178	22575	3.05	ng	98
74) Fluoranthene	12.39	202	50050	6.68	ng	96
77) Pyrene	12.62	202	47845	5.14	ng	97
79) Butylbenzylphthalate	13.25	149	20698	4.98	ng	93
80) Benzo(a)anthracene	13.79	228	28409	4.02	ng	95
82) Chrysene	13.79	228	28409	4.06	ng	99
83) Bis(2-ethylhexyl)phthalate	13.81	149	25385	5.35	ng	98
85) Indeno(1,2,3-cd)pyrene	16.43	276	10778	2.00	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	37996	7.37	ng	# 90
88) Benzo(k)fluoranthene	14.80	252	37996	8.47	ng	# 95
89) Benzo(a)pyrene	15.12	252	18185	4.17	ng	97
91) Benzo(g,h,i)perylene	16.82	276	10785	2.86	ng	96

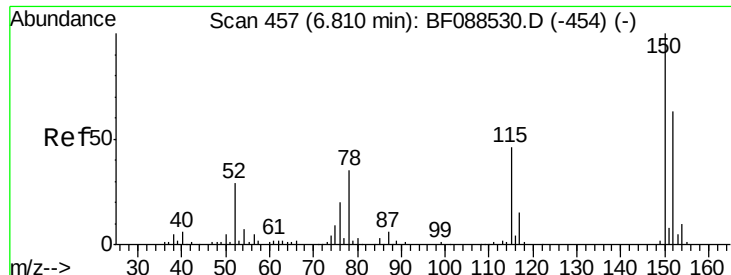
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 445

Delta R.T. -0.03 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB09(0-2in)

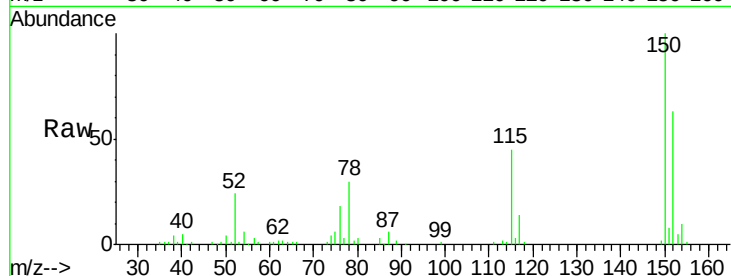
Tgt Ion:152 Resp: 60068

Ion Ratio Lower Upper

152 100

150 158.1 123.8 185.6

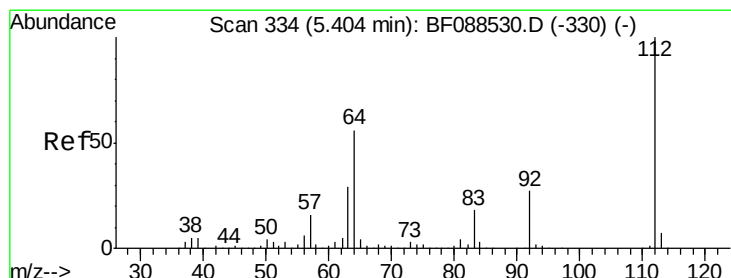
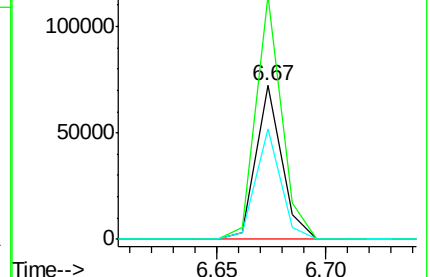
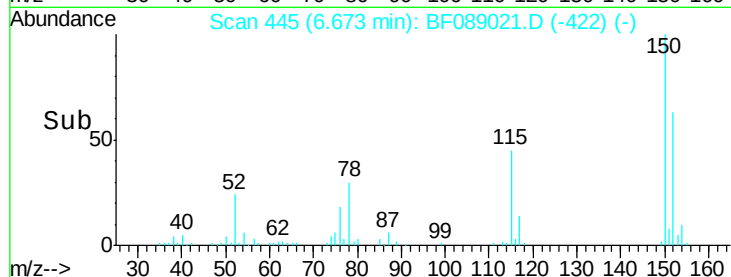
115 71.5 39.6 59.4#



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



#5

2-Fluorophenol

Concen: 46.48 ng

RT: 5.27 min Scan# 322

Delta R.T. -0.02 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

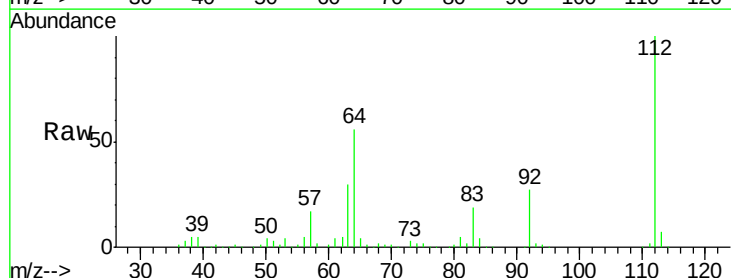
Tgt Ion:112 Resp: 186307

Ion Ratio Lower Upper

112 100

64 55.6 42.2 63.2

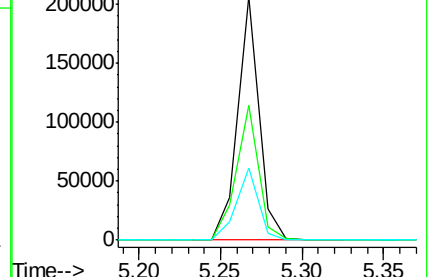
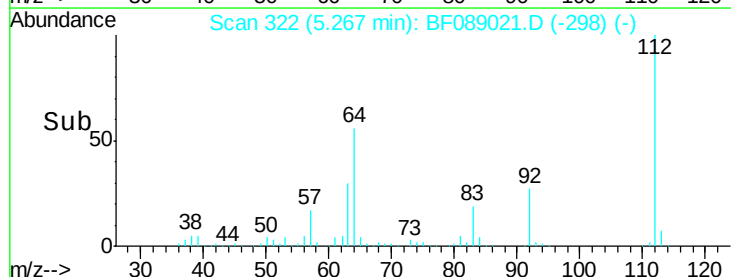
63 29.8 21.8 32.8

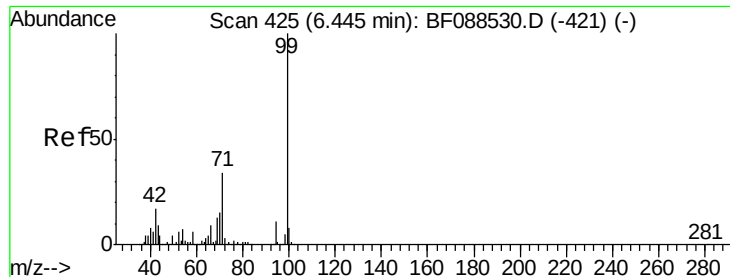


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 46.54 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB09(0-2in)

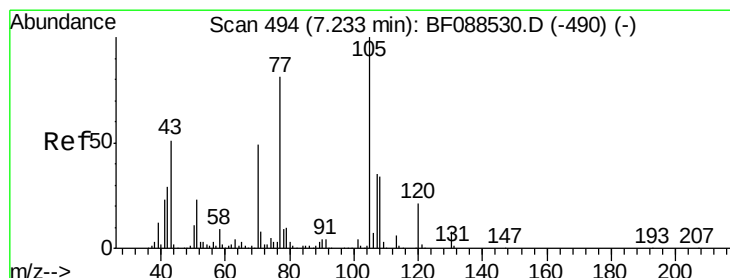
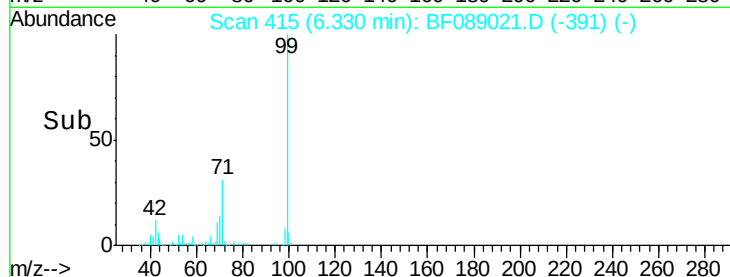
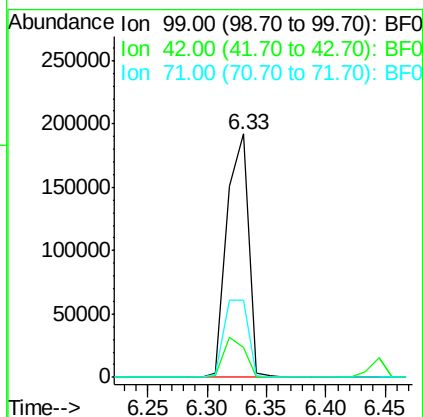
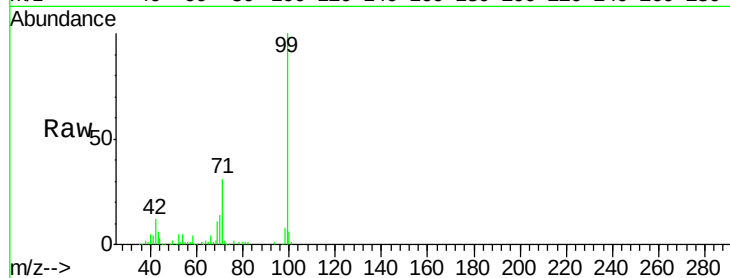
Tgt Ion: 99 Resp: 241021

Ion Ratio Lower Upper

99 100

42 12.1 12.2 18.2#

71 31.5 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.29 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.09 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

Tgt Ion: 70 Resp: 18391

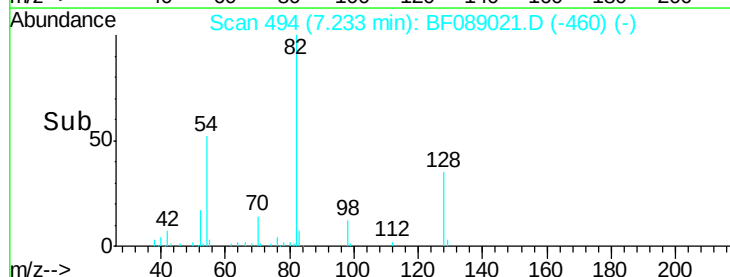
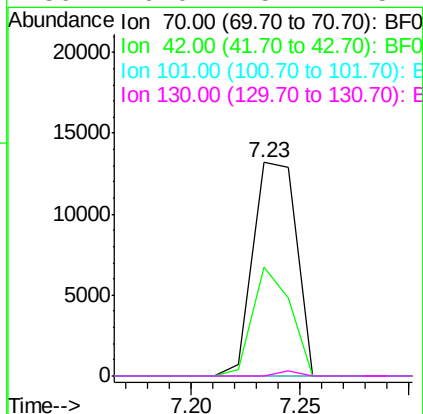
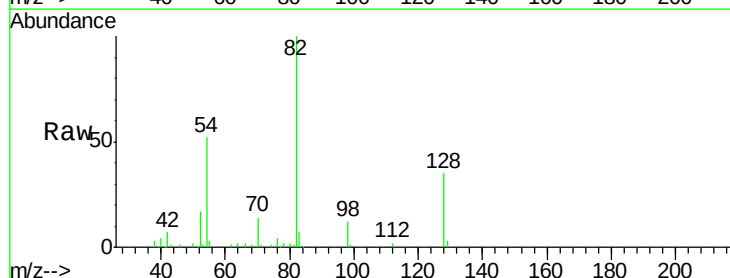
Ion Ratio Lower Upper

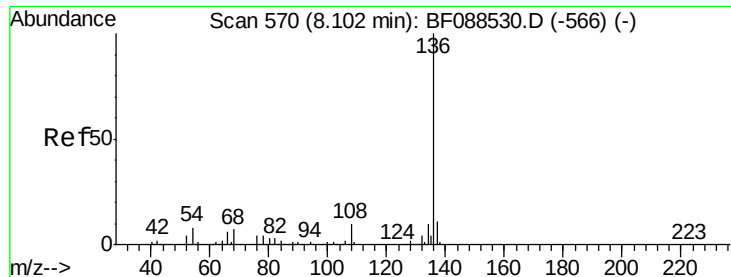
70 100

42 50.8 49.6 74.4

101 0.0 7.1 10.7#

130 0.0 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.03 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB09(0-2in)

Tgt Ion:136 Resp: 233800

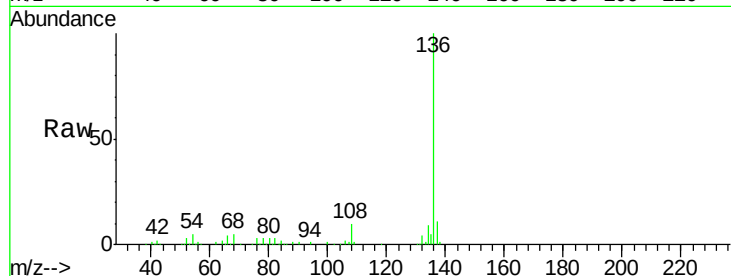
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.4 6.6 10.0#

68 4.7 5.1 7.7#

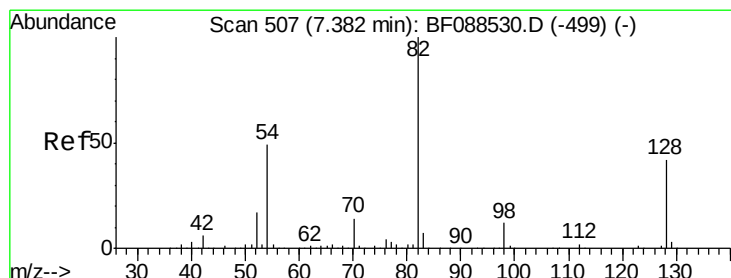
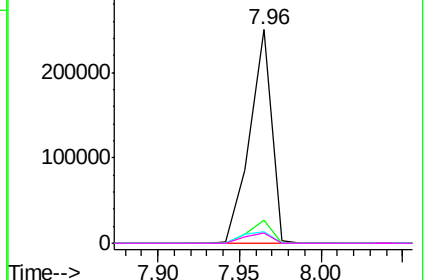
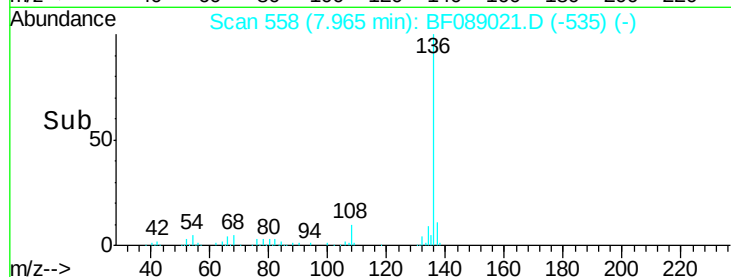


Abundance Ion 136.00 (135.70 to 136.70): E

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: 31.34 ng

RT: 7.24 min Scan# 495

Delta R.T. -0.03 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

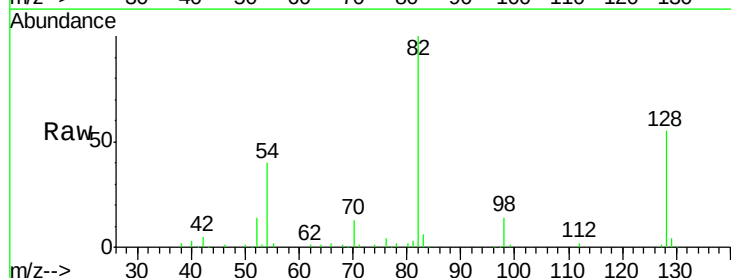
Tgt Ion: 82 Resp: 139811

Ion Ratio Lower Upper

82 100

128 54.8 35.9 53.9#

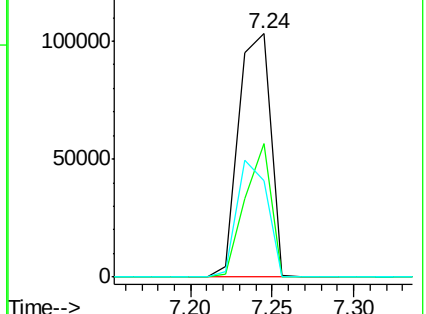
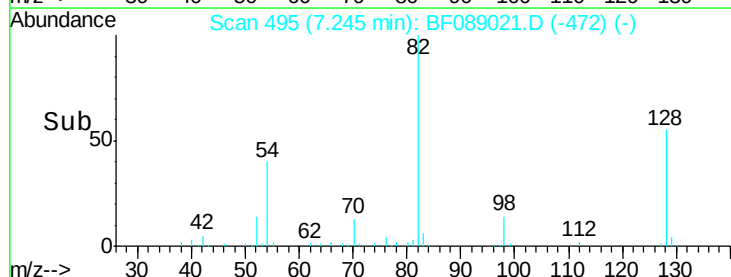
54 39.6 40.9 61.3#

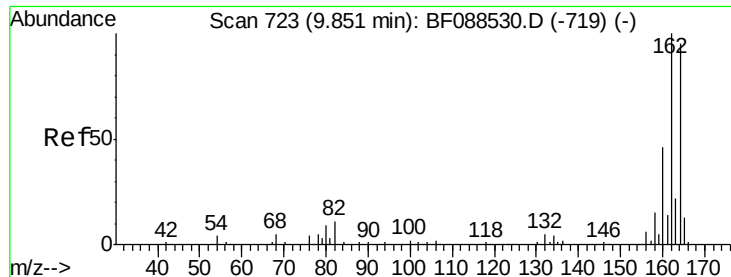


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

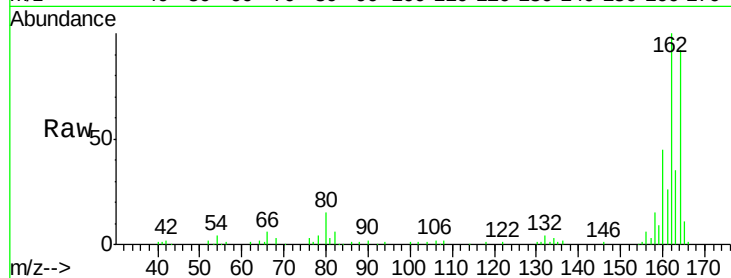




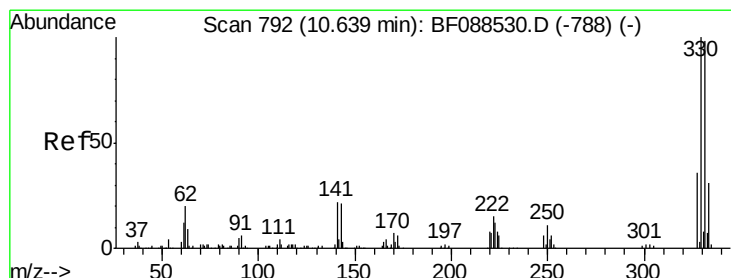
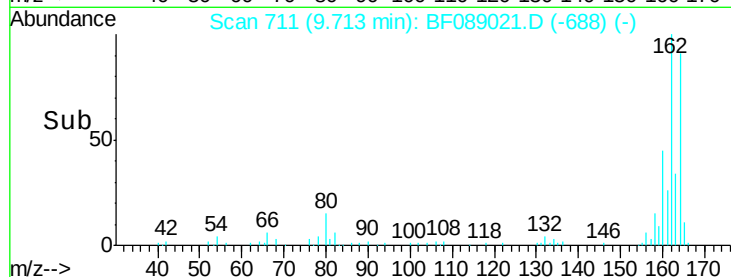
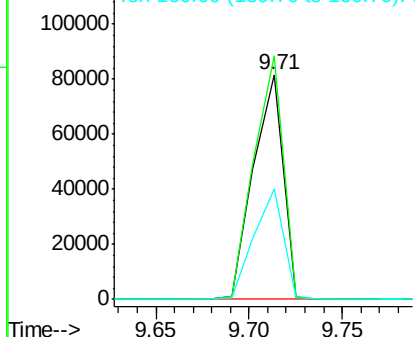
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.03 min
 Lab File: BF089021.D
 Acq: 15 Jul 2016 17:26

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB09(0-2in)

Tgt Ion:164 Resp: 89446
 Ion Ratio Lower Upper
 164 100
 162 108.2 85.4 128.2
 160 48.9 39.5 59.3

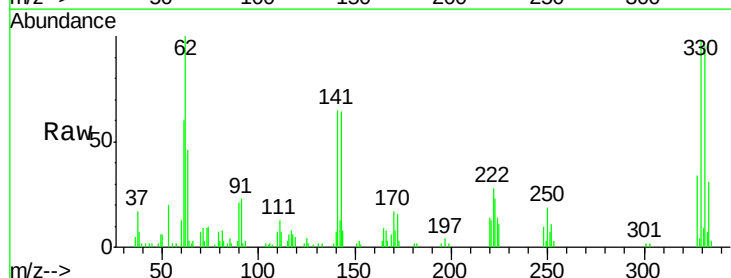


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

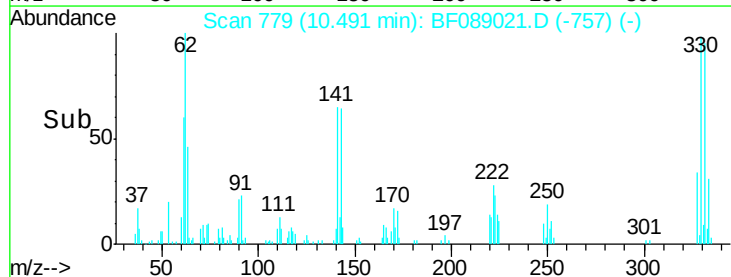
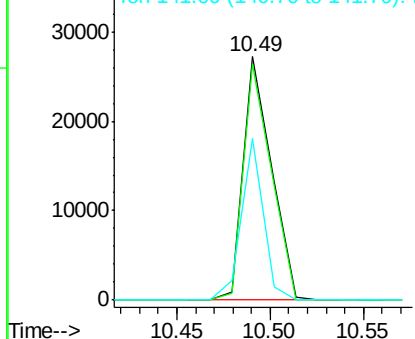


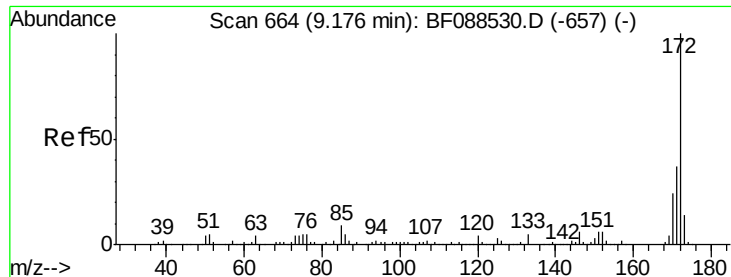
#41
 2,4,6-Tribromophenol
 Concen: 34.44 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.05 min
 Lab File: BF089021.D
 Acq: 15 Jul 2016 17:26

Tgt Ion:330 Resp: 28609
 Ion Ratio Lower Upper
 330 100
 332 96.0 0.0 0.0#
 141 52.4 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

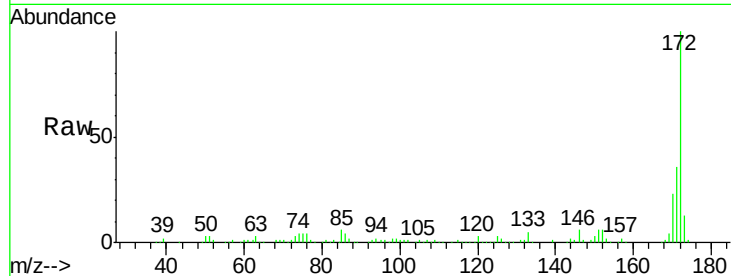




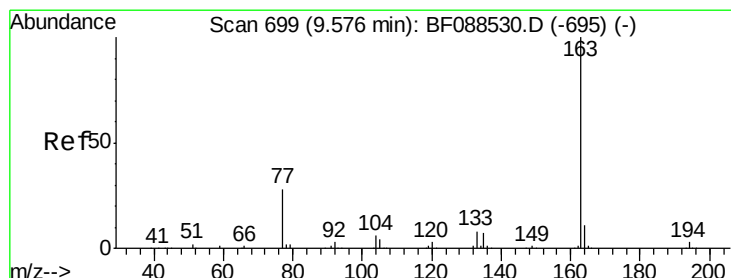
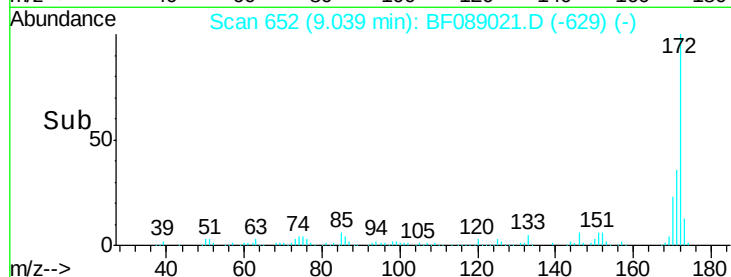
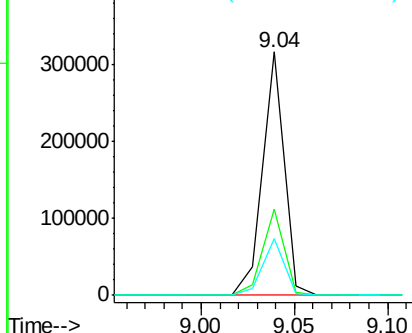
#44
 2-Fluorobiphenyl
 Concen: 44.28 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.03 min
 Lab File: BF089021.D
 Acq: 15 Jul 2016 17:26

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB09(0-2in)

Tgt Ion:172 Resp: 250722
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.6 43.0
 170 23.2 19.2 28.8

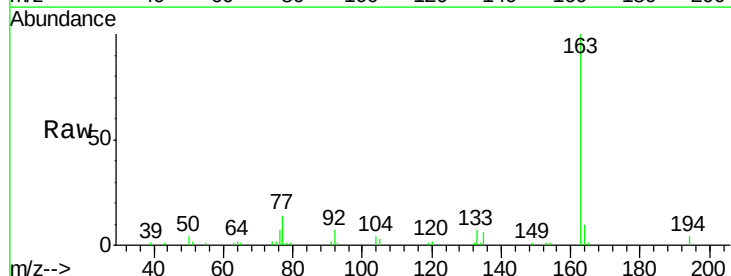


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

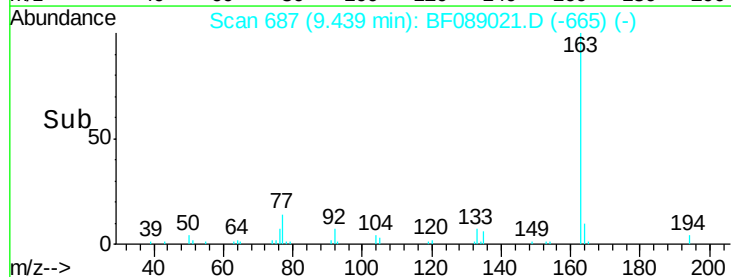
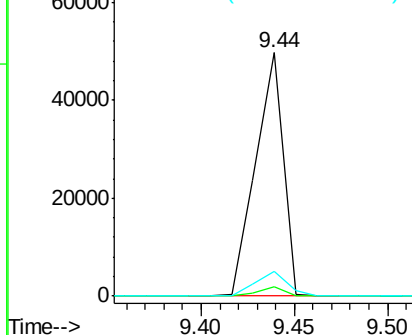


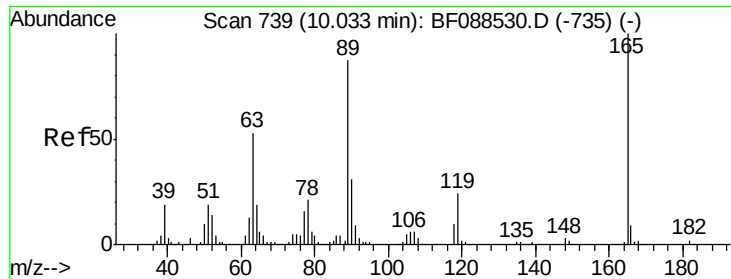
#49
 Dimethylphthalate
 Concen: 7.98 ng
 RT: 9.44 min Scan# 687
 Delta R.T. -0.05 min
 Lab File: BF089021.D
 Acq: 15 Jul 2016 17:26

Tgt Ion:163 Resp: 50829
 Ion Ratio Lower Upper
 163 100
 194 3.9 2.8 4.2
 164 10.1 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

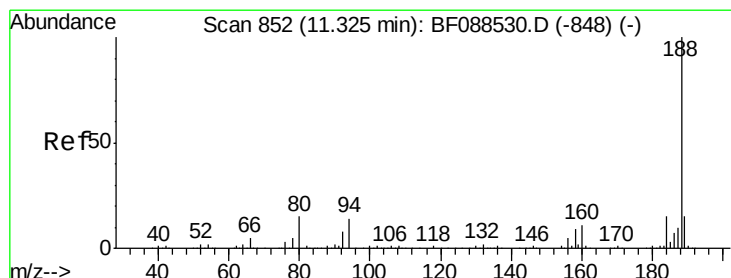
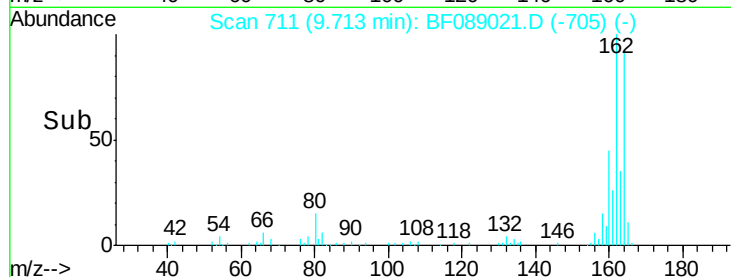
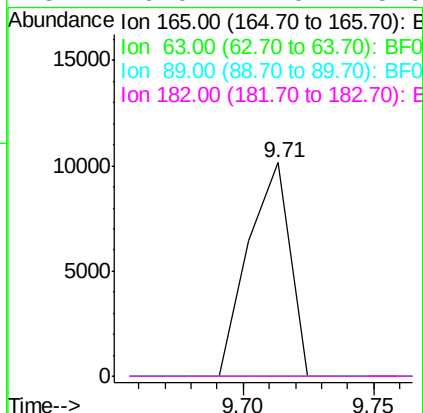
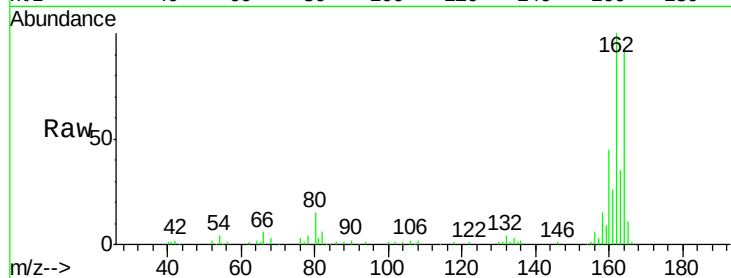




#56
 2,4-Dinitrotoluene
 Concen: 6.16 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.23 min
 Lab File: BF089021.D
 Acq: 15 Jul 2016 17:26

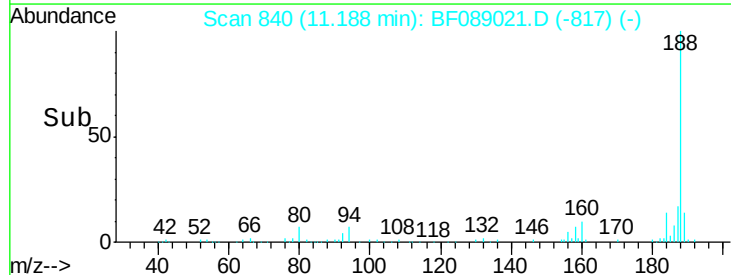
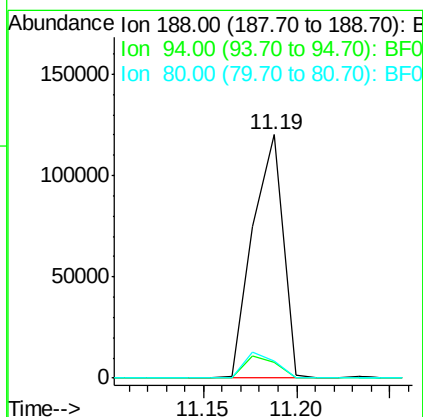
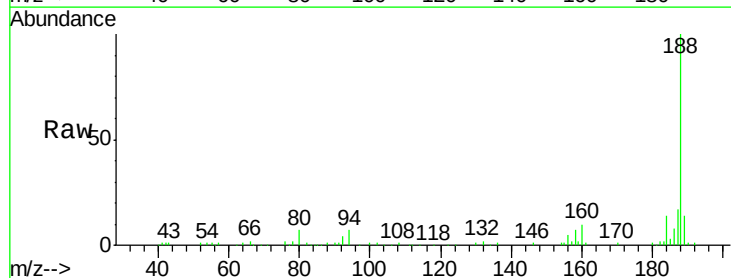
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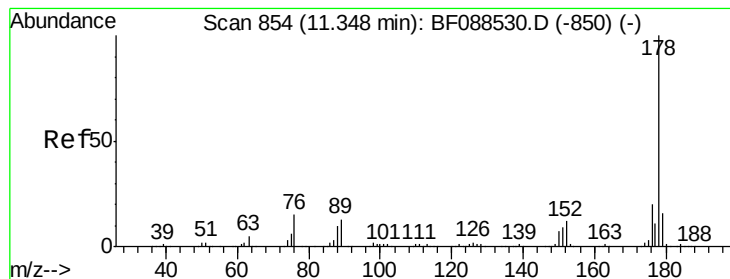
Tgt Ion:	165	Resp:	11383
Ion Ratio	Lower	Upper	
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.19 min Scan# 840
 Delta R.T. -0.03 min
 Lab File: BF089021.D
 Acq: 15 Jul 2016 17:26

Tgt Ion:	188	Resp:	135244
Ion Ratio	Lower	Upper	
188	100		
94	6.6	9.0	13.6#
80	6.9	10.0	15.0#





#70

Phenanthrene

Concen: 3.05 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.03 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB09(0-2in)

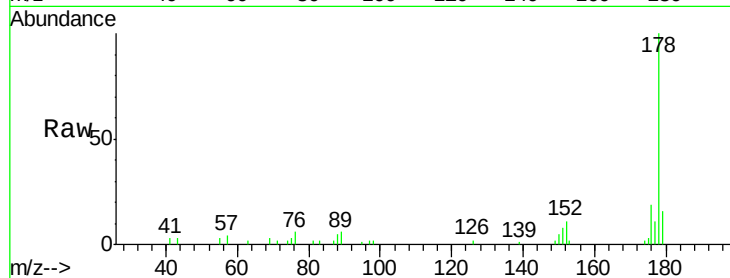
Tgt Ion:178 Resp: 22575

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.6

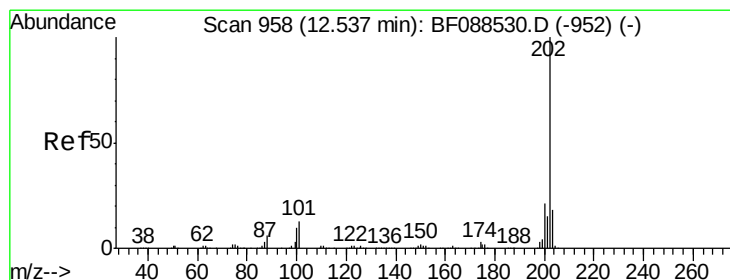
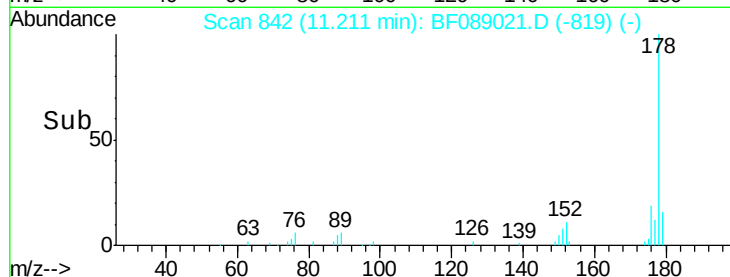
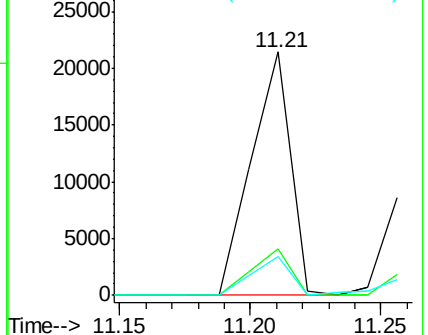
179 15.7 13.0 19.4



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: 6.68 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.03 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

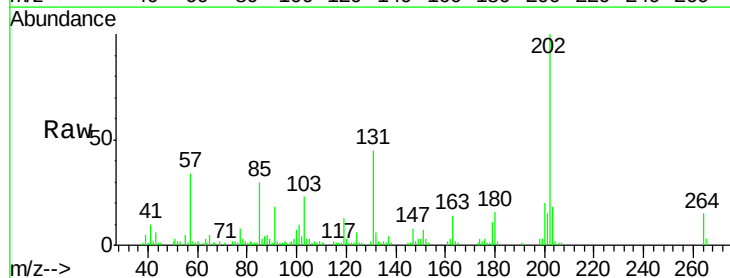
Tgt Ion:202 Resp: 50050

Ion Ratio Lower Upper

202 100

101 10.2 0.0 33.1

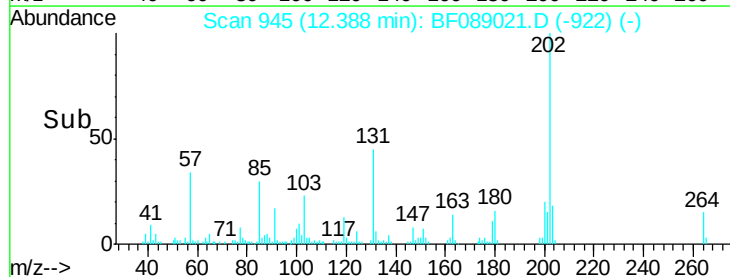
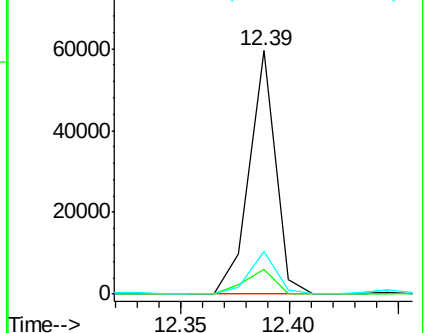
203 17.6 0.0 38.1

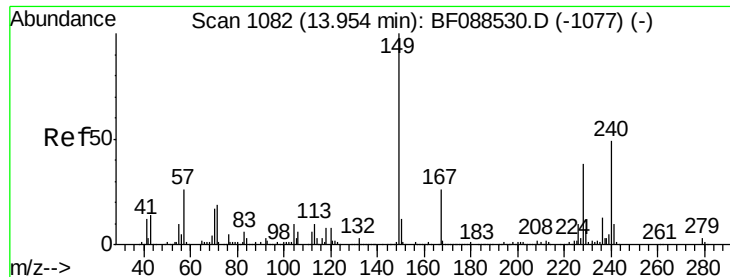


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.81 min Scan# 1069

Delta R.T. -0.05 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB09(0-2in)

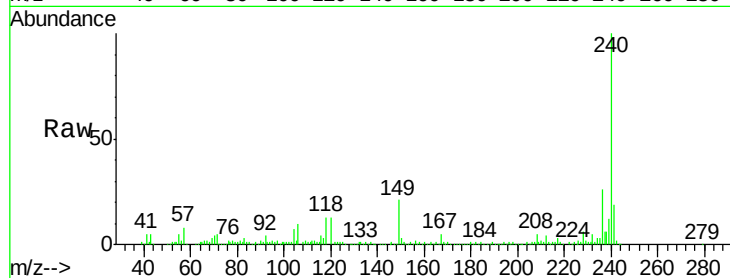
Tgt Ion:240 Resp: 109874

Ion Ratio Lower Upper

240 100

120 13.4 6.8 10.2#

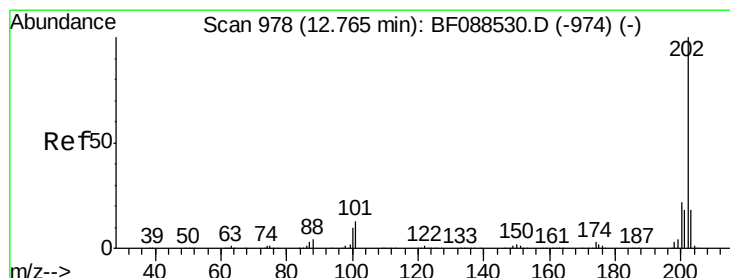
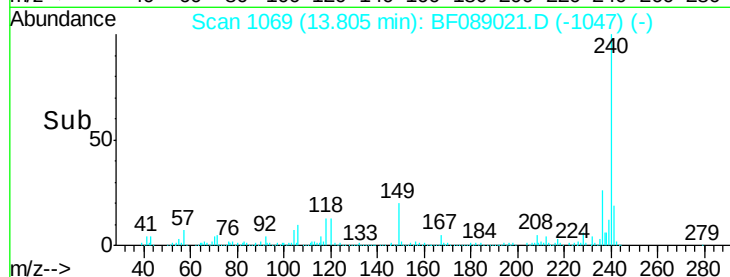
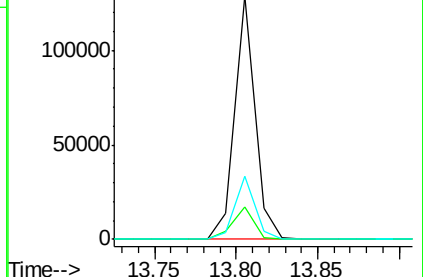
236 25.9 20.2 30.2



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



#77

Pyrene

Concen: 5.14 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.03 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

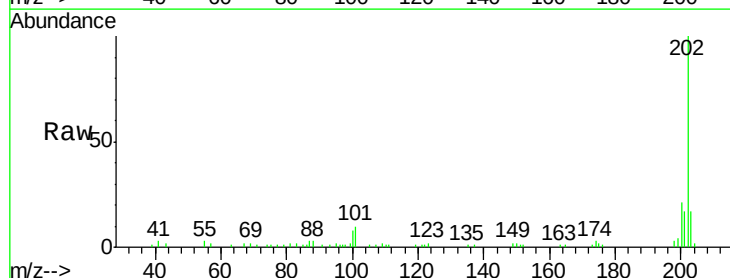
Tgt Ion:202 Resp: 47845

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

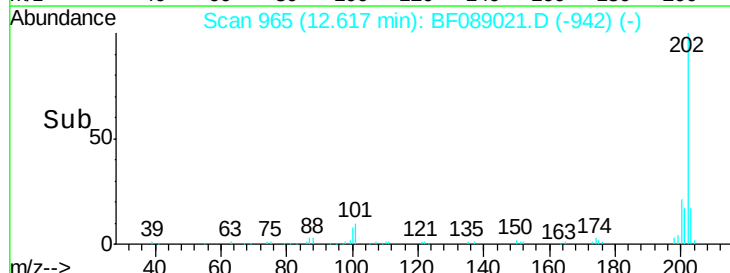
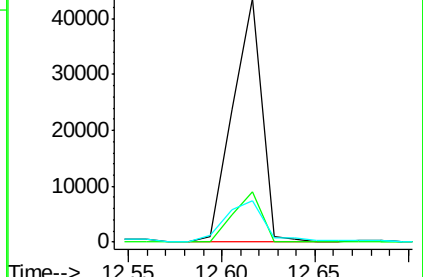
203 16.9 14.5 21.7

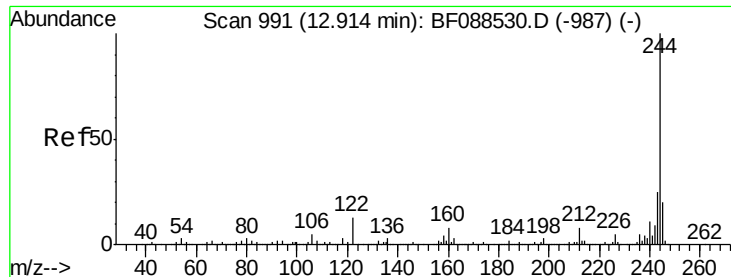


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 27.98 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.03 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB09(0-2in)

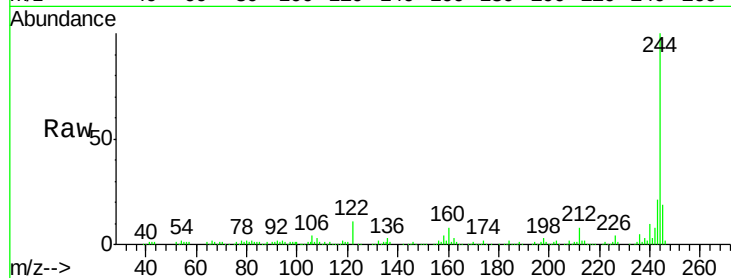
Tgt Ion:244 Resp: 138045

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

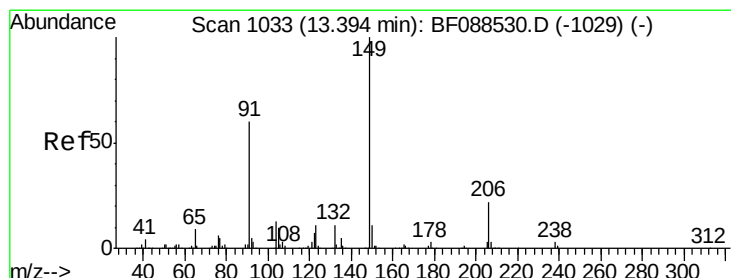
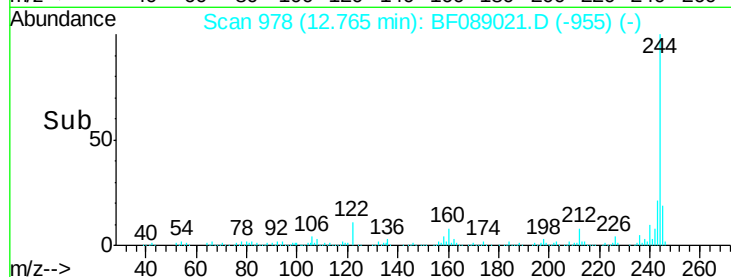
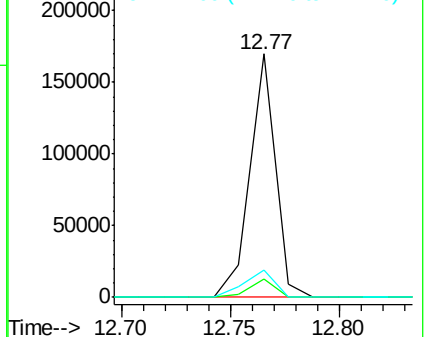
122 11.4 11.2 16.8



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



#79

Butylbenzylphthalate

Concen: 4.98 ng

RT: 13.25 min Scan# 1020

Delta R.T. -0.03 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

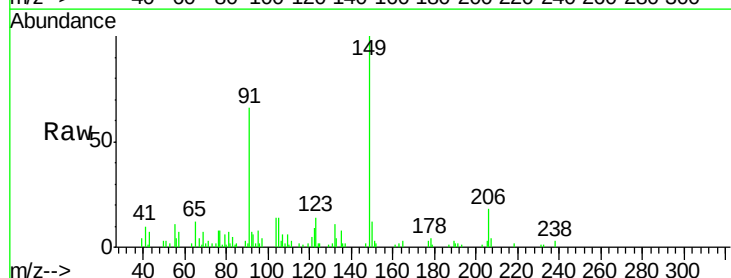
Tgt Ion:149 Resp: 20698

Ion Ratio Lower Upper

149 100

91 66.4 48.0 72.0

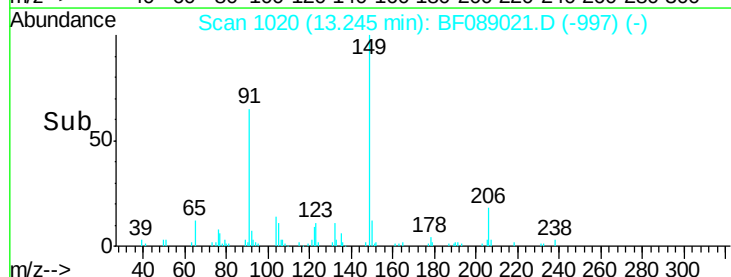
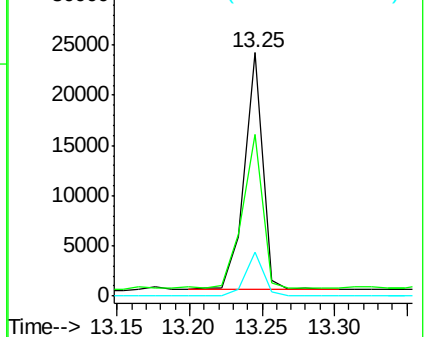
206 18.0 16.0 24.0

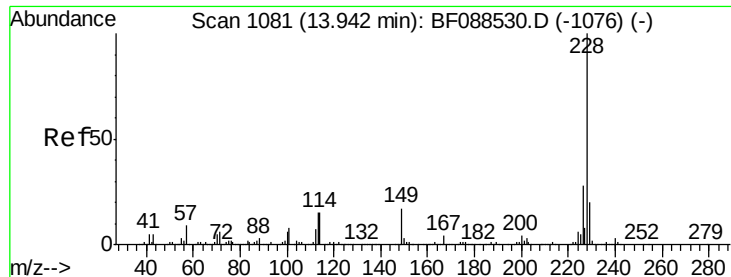


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

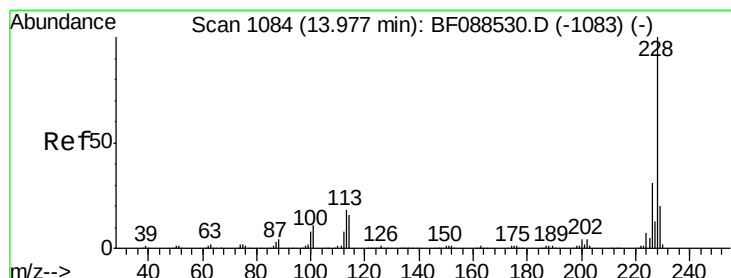
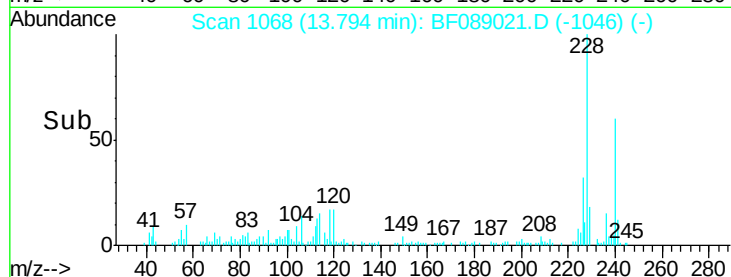
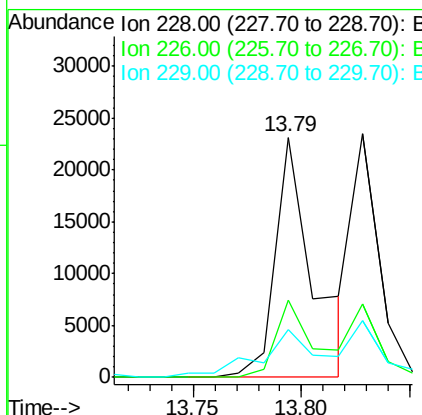
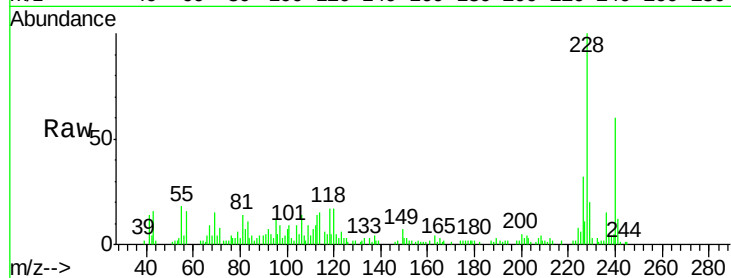




#80
Benzo(a)anthracene
Concen: 4.02 ng
RT: 13.79 min Scan# 1068
Delta R.T. -0.05 min
Lab File: BF089021.D
Acq: 15 Jul 2016 17:26

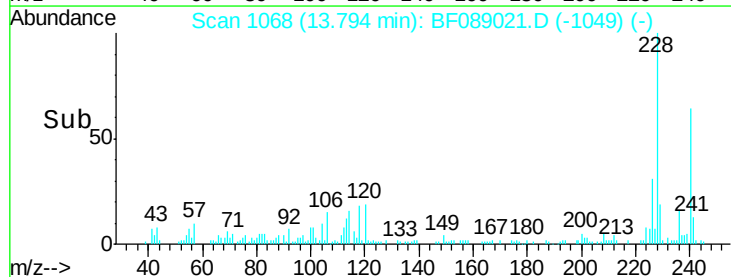
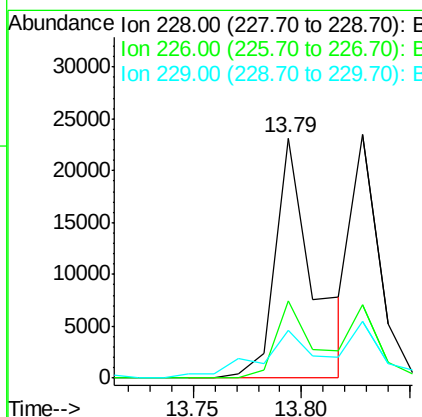
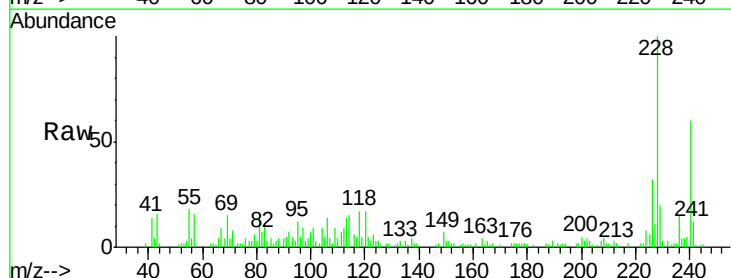
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB09(0-2in)

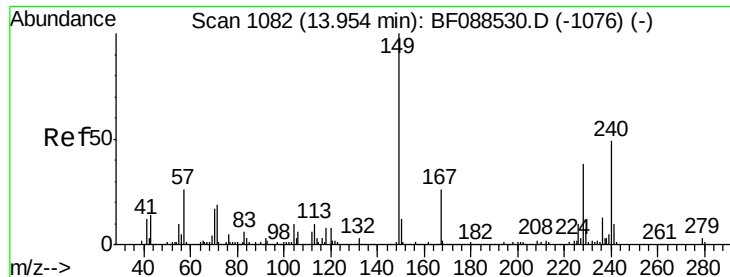
Tgt Ion: 228 Resp: 28409
Ion Ratio Lower Upper
228 100
226 32.4 22.3 33.5
229 20.1 16.0 24.0



#82
Chrysene
Concen: 4.06 ng
RT: 13.79 min Scan# 1068
Delta R.T. -0.08 min
Lab File: BF089021.D
Acq: 15 Jul 2016 17:26

Tgt Ion: 228 Resp: 28409
Ion Ratio Lower Upper
228 100
226 32.4 25.4 38.2
229 20.1 16.3 24.5

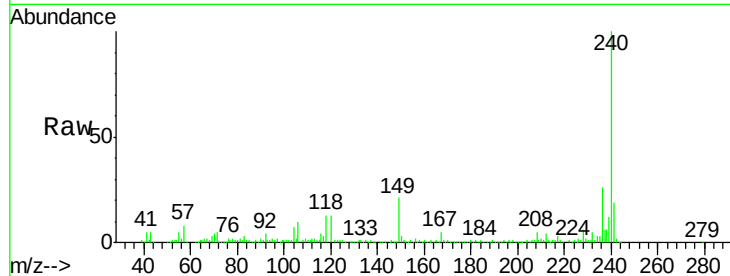




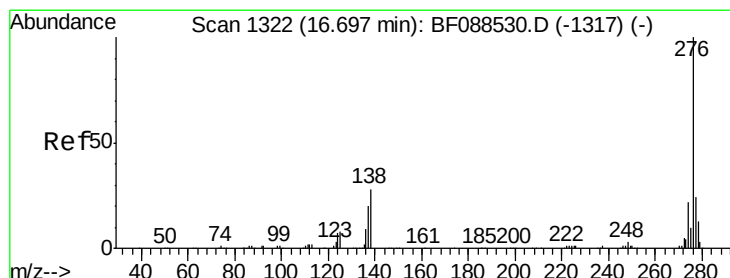
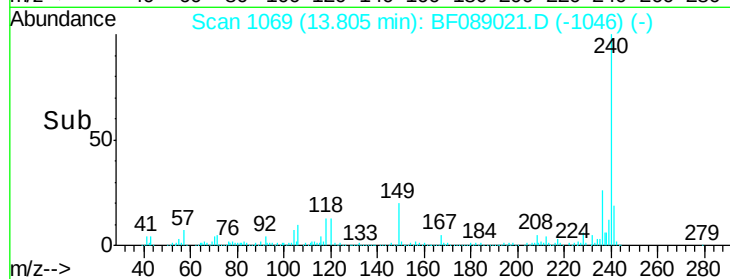
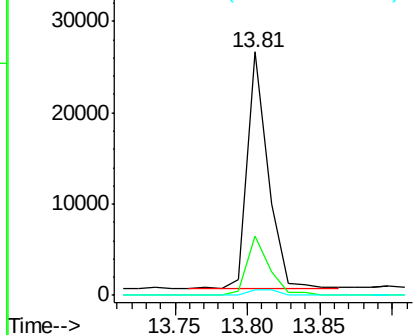
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.35 ng
 RT: 13.81 min Scan# 1069
 Delta R.T. -0.03 min
 Lab File: BF089021.D
 Acq: 15 Jul 2016 17:26

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB09(0-2in)

Tgt Ion:149 Resp: 25385
 Ion Ratio Lower Upper
 149 100
 167 24.5 20.5 30.7
 279 2.3 2.0 3.0

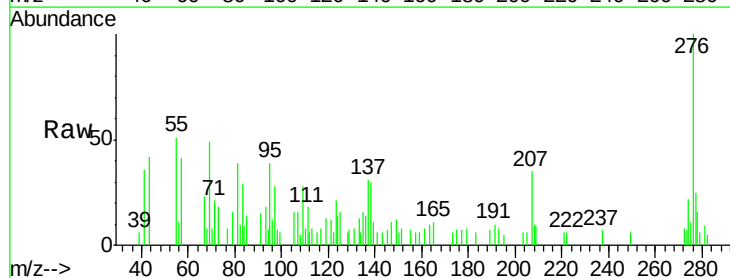


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

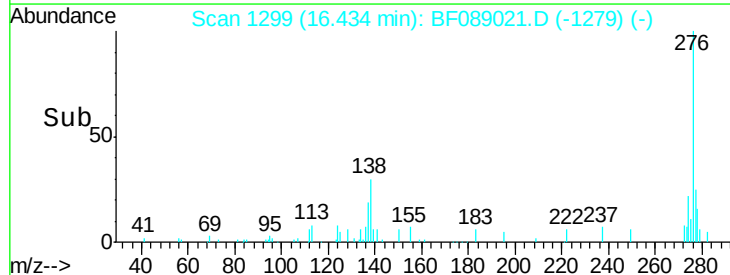
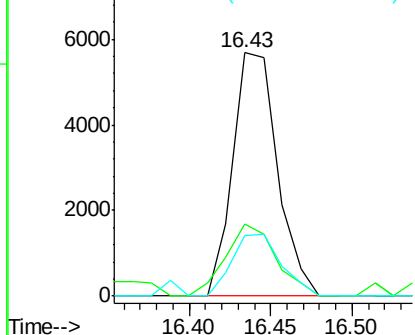


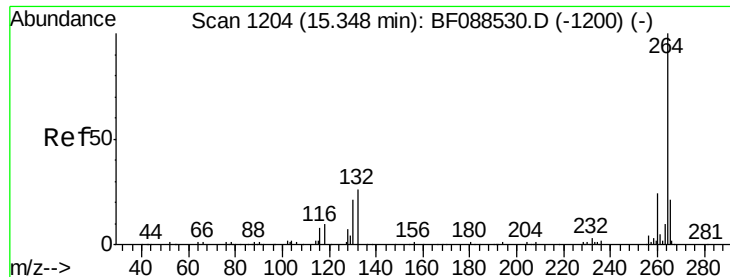
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.00 ng
 RT: 16.43 min Scan# 1299
 Delta R.T. -0.07 min
 Lab File: BF089021.D
 Acq: 15 Jul 2016 17:26

Tgt Ion:276 Resp: 10778
 Ion Ratio Lower Upper
 276 100
 138 33.4 0.0 0.0#
 277 28.2 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

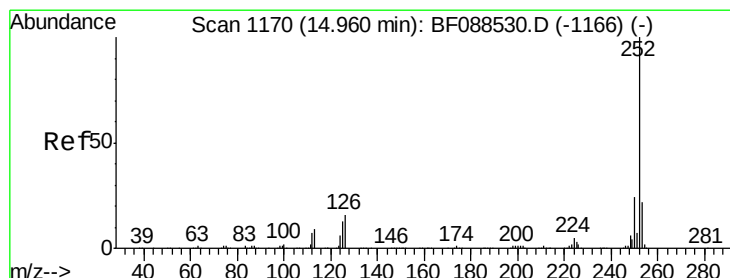
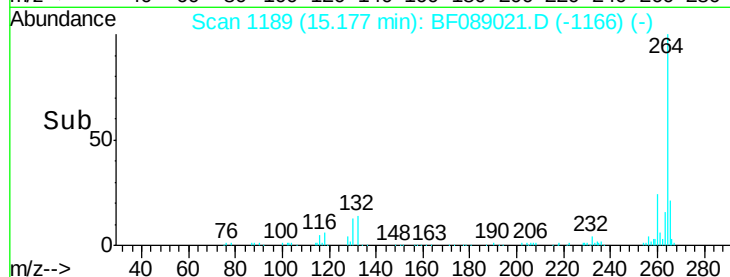
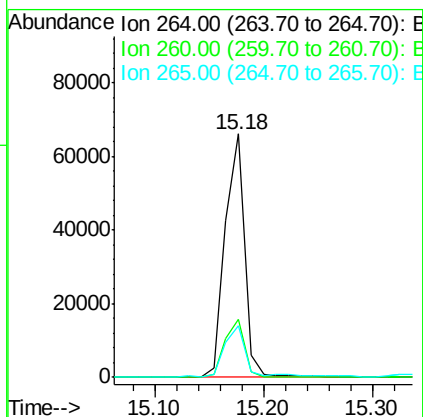
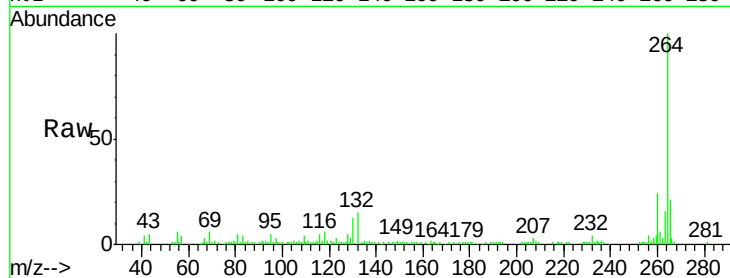




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1189
Delta R.T. -0.03 min
Lab File: BF089021.D
Acq: 15 Jul 2016 17:26

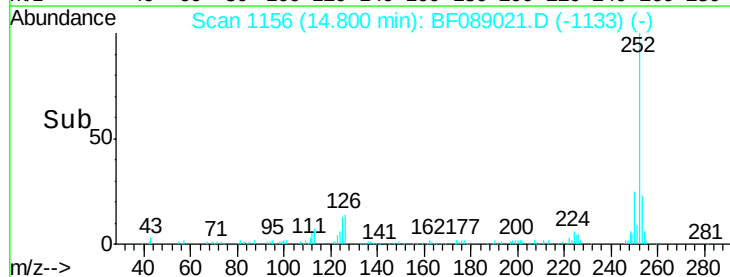
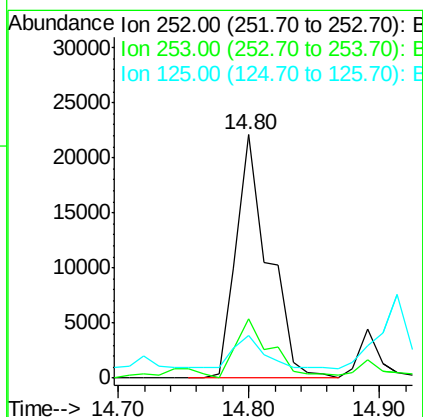
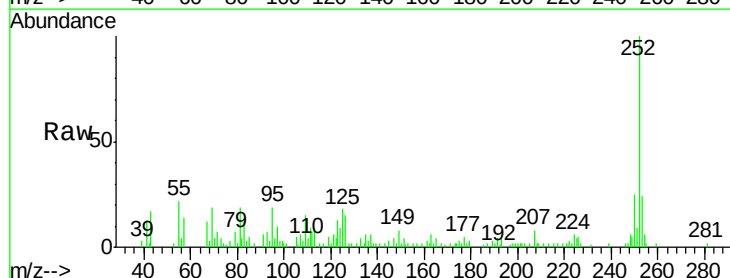
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB09(0-2in)

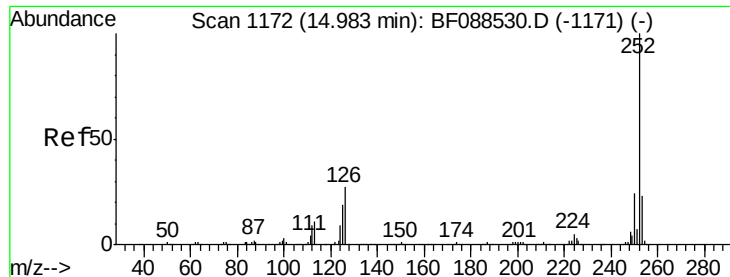
Tgt Ion: 264 Resp: 82140
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.1 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 7.37 ng
RT: 14.80 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF089021.D
Acq: 15 Jul 2016 17:26

Tgt Ion: 252 Resp: 37996
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 17.6 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 8.47 ng

RT: 14.80 min Scan# 1156

Delta R.T. -0.07 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB09(0-2in)

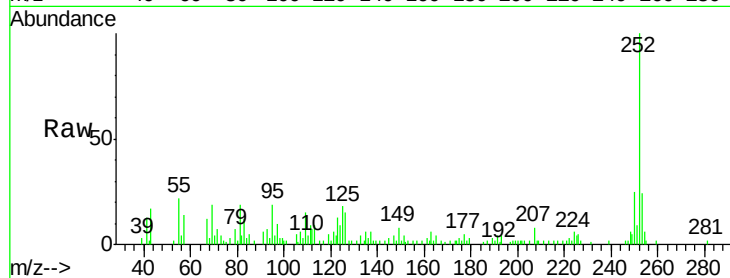
Tgt Ion:252 Resp: 37996

Ion Ratio Lower Upper

252 100

253 24.1 18.0 27.0

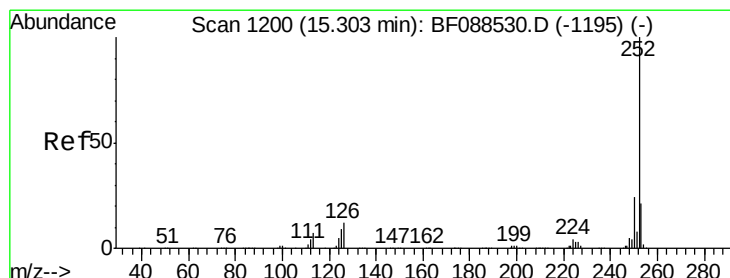
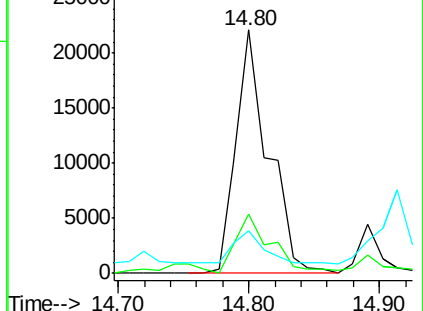
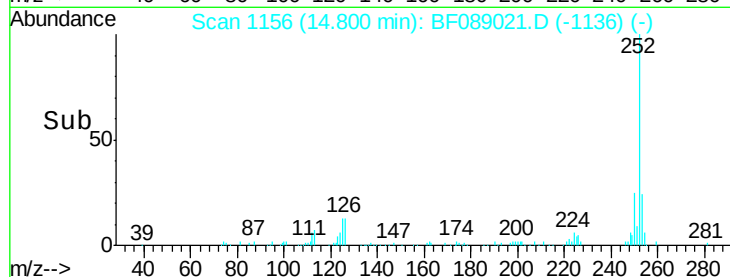
125 17.6 11.2 16.8#



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



#89

Benzo(a)pyrene

Concen: 4.17 ng

RT: 15.12 min Scan# 1184

Delta R.T. -0.05 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

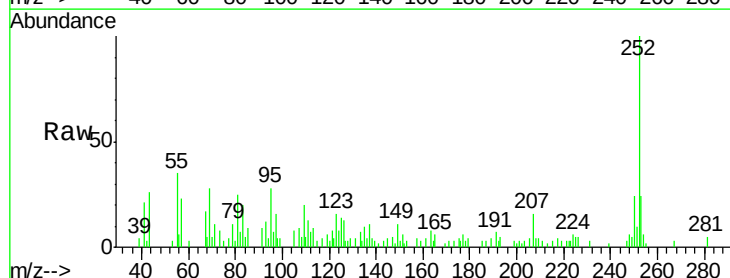
Tgt Ion:252 Resp: 18185

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

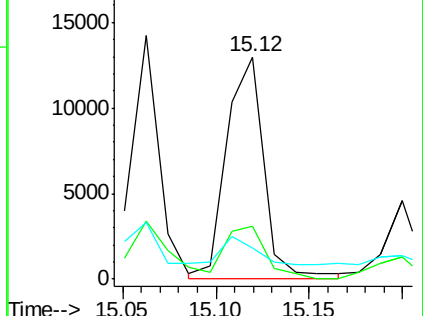
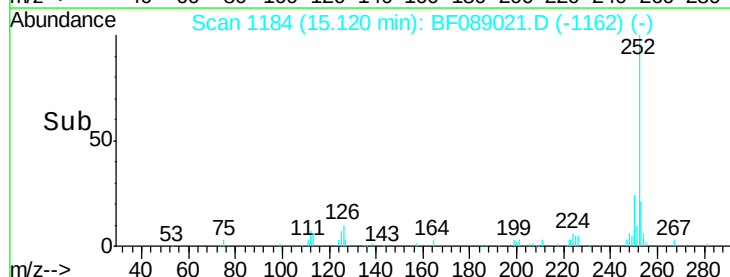
125 14.2 12.5 18.7

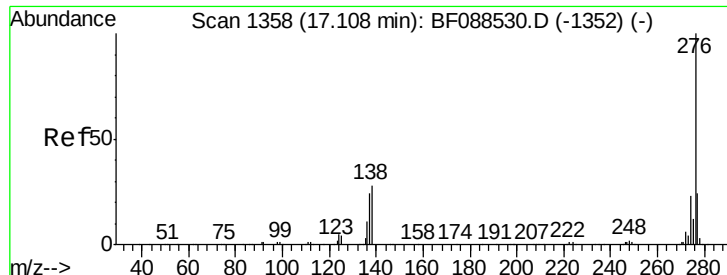


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 2.86 ng

RT: 16.82 min Scan# 1333

Delta R.T. -0.07 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB09(0-2in)

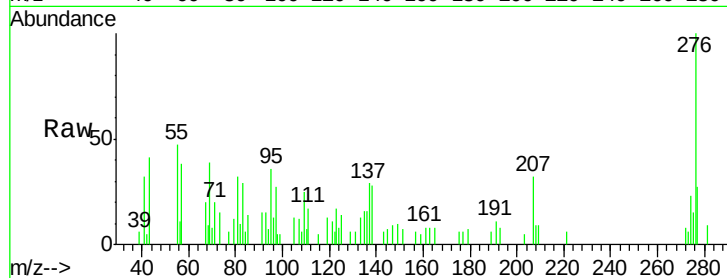
Tgt Ion: 276 Resp: 10785

Ion Ratio Lower Upper

276 100

277 27.1 18.9 28.3

138 27.6 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

