

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071416\
 Data File : BF089004.D
 Acq On : 15 Jul 2016 00:21
 Operator : UM/SJ
 Sample : H3972-15
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS05(0-2in)

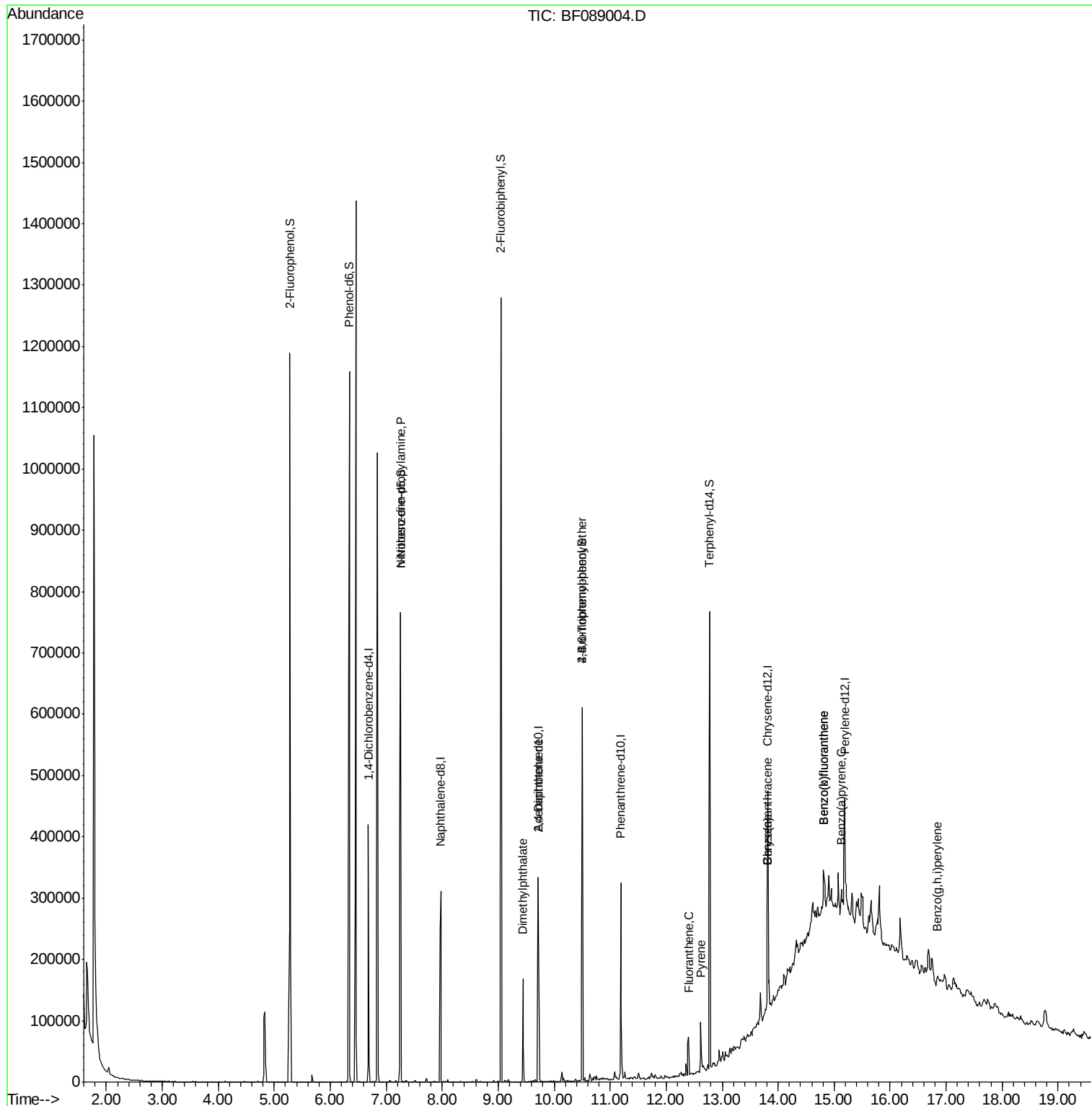
Quant Time: Jul 15 03:45:54 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

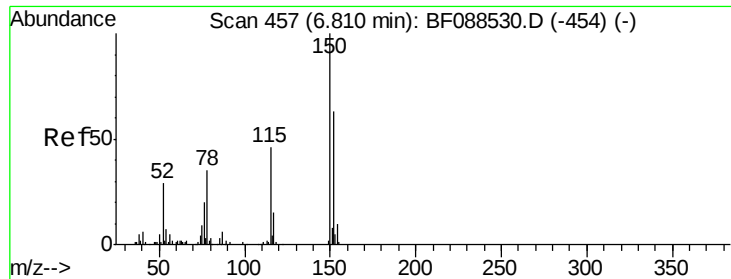
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	53932	20.00	ng	-0.02
21) Naphthalene-d8	7.98	136	191265	20.00	ng	-0.02
38) Acenaphthene-d10	9.71	164	71657	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	118773	20.00	ng	-0.03
75) Chrysene-d12	13.82	240	106844	20.00	ng	-0.03
86) Perylene-d12	15.19	264	72865	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	318826	88.60	ng	-0.01
7) Phenol-d6	6.34	99	479131	103.04	ng	-0.01
23) Nitrobenzene-d5	7.26	82	286737	78.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	53077	79.77	ng	-0.03
44) 2-Fluorobiphenyl	9.05	172	371394	81.87	ng	-0.02
78) Terphenyl-d14	12.78	244	230413	48.03	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	38890	12.45	ng	# 69
49) Dimethylphthalate	9.44	163	68588	13.44	ng	# 99
56) 2,4-Dinitrotoluene	9.71	165	9030	6.10	ng	# 36
66) 4-Bromophenyl-phenylether	10.50	248	4575	3.82	ng	# 1
74) Fluoranthene	12.40	202	31851	4.84	ng	93
77) Pyrene	12.62	202	30964	3.42	ng	97
80) Benzo(a)anthracene	13.81	228	23323	3.39	ng	93
82) Chrysene	13.81	228	23323	3.43	ng	97
87) Benzo(b)fluoranthene	14.81	252	26787	5.86	ng	# 63
88) Benzo(k)fluoranthene	14.81	252	26787	6.73	ng	# 71
89) Benzo(a)pyrene	15.13	252	14180	3.66	ng	# 85
91) Benzo(g,h,i)perylene	16.85	276	8145	2.44	ng	# 82

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

```
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Data File : BF089004.D  
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Operator  : UM/SJ  
Sample    : H3972-15  
Misc      :  
ALS Vial  : 16      Sample Multiplier: 1
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.02 min

Lab File: BF089004.D

Acq: 15 Jul 2016 00:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS05(0-2in)

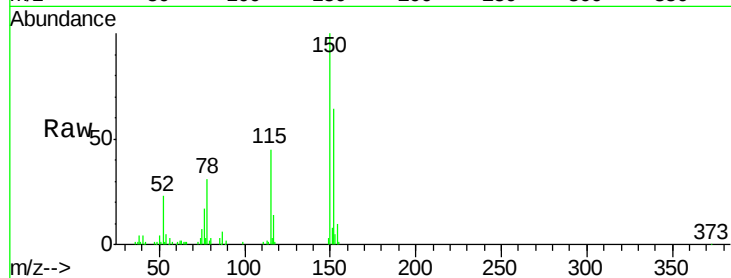
Tgt Ion:152 Resp: 53932

Ion Ratio Lower Upper

152 100

150 156.1 123.8 185.6

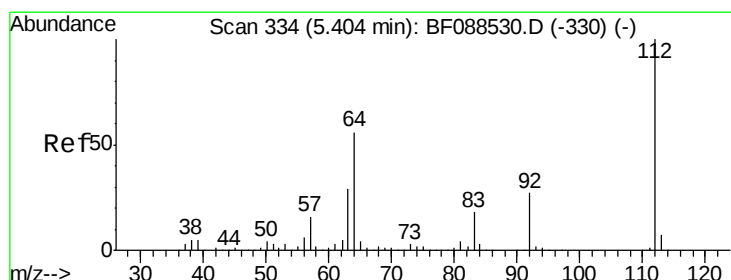
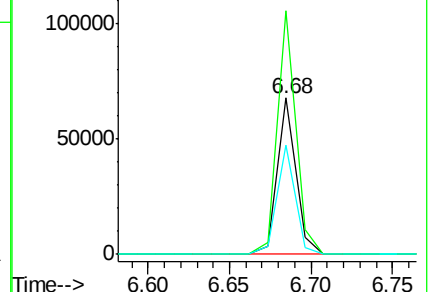
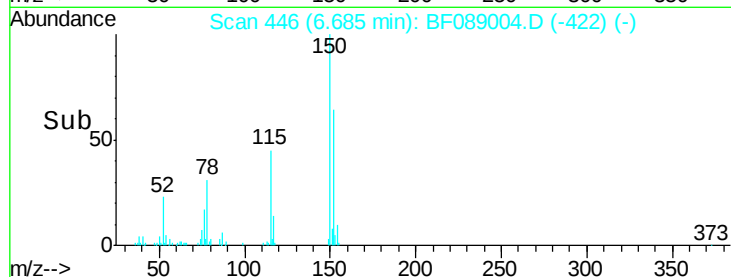
115 70.2 39.6 59.4#



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: 88.60 ng

RT: 5.28 min Scan# 323

Delta R.T. -0.01 min

Lab File: BF089004.D

Acq: 15 Jul 2016 00:21

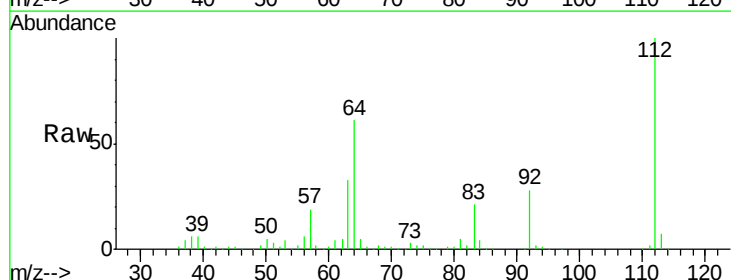
Tgt Ion:112 Resp: 318826

Ion Ratio Lower Upper

112 100

64 61.2 42.2 63.2

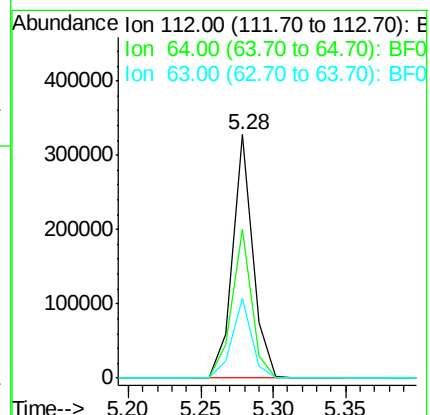
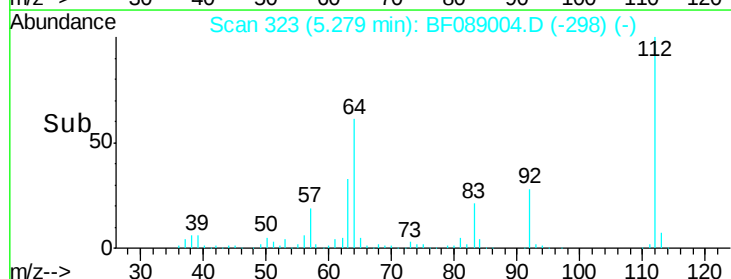
63 32.9 21.8 32.8#

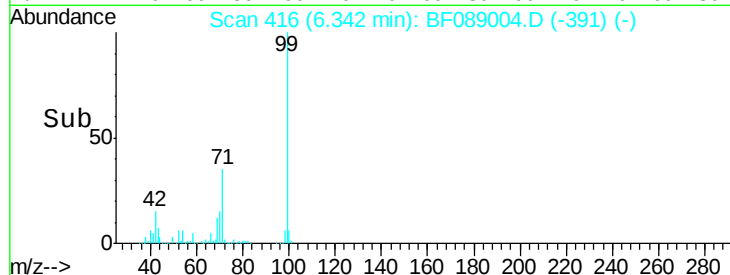
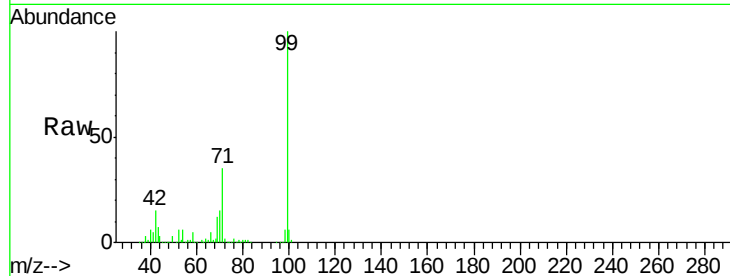


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.04 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF089004.D

Acq: 15 Jul 2016 00:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS05(0-2in)

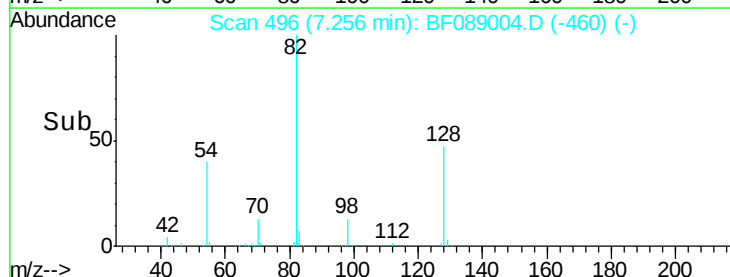
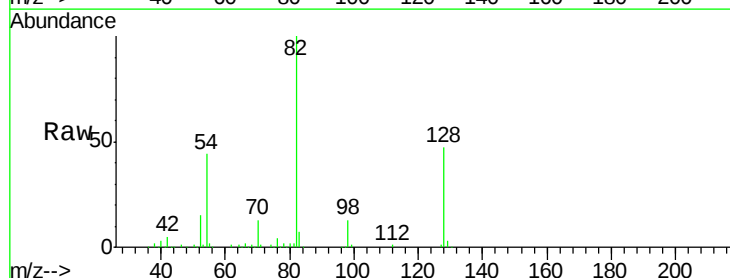
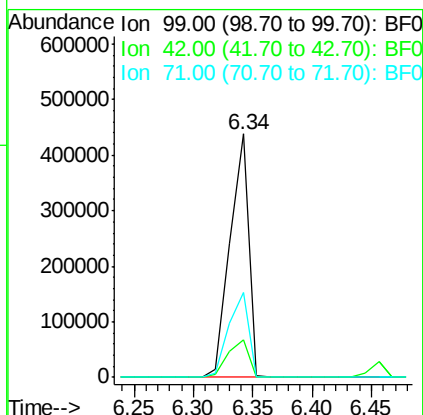
Tgt Ion: 99 Resp: 479131

Ion Ratio Lower Upper

99 100

42 15.2 12.2 18.2

71 35.1 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 12.45 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.11 min

Lab File: BF089004.D

Acq: 15 Jul 2016 00:21

Tgt Ion: 70 Resp: 38890

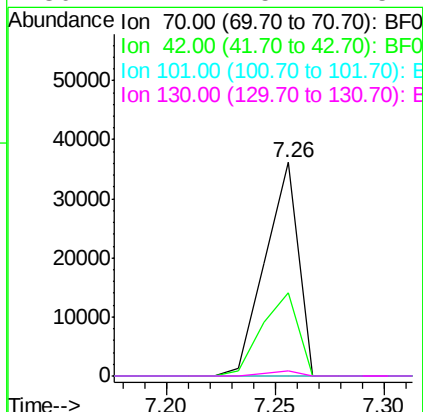
Ion Ratio Lower Upper

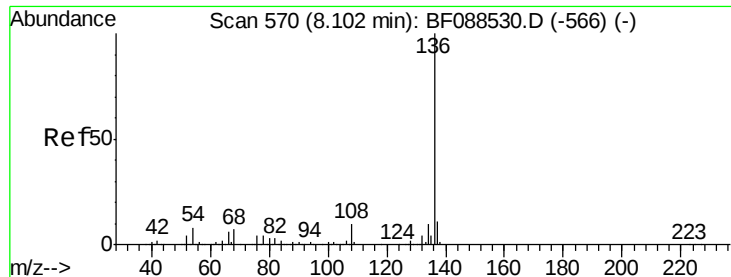
70 100

42 39.0 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF089004.D

Acq: 15 Jul 2016 00:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS05(0-2in)

Tgt Ion:136 Resp: 191265

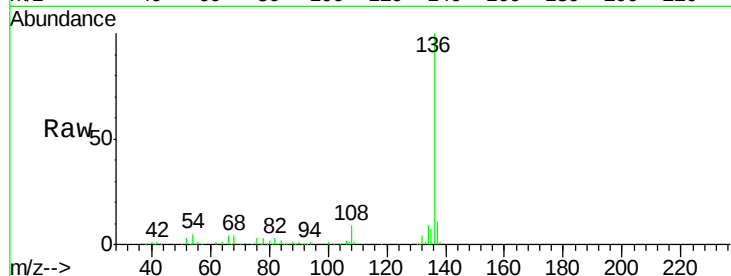
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 4.5 6.6 10.0#

68 3.9 5.1 7.7#

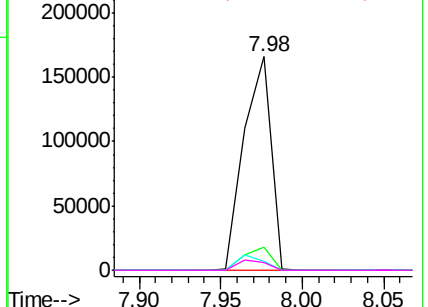
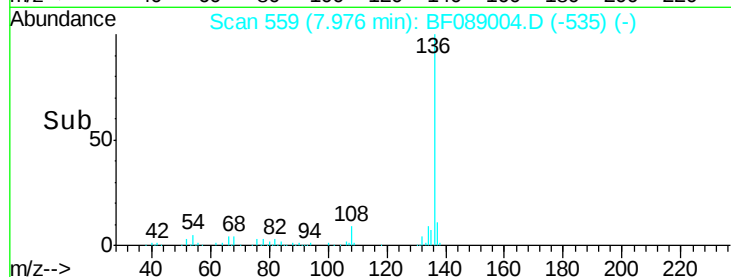


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.56 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF089004.D

Acq: 15 Jul 2016 00:21

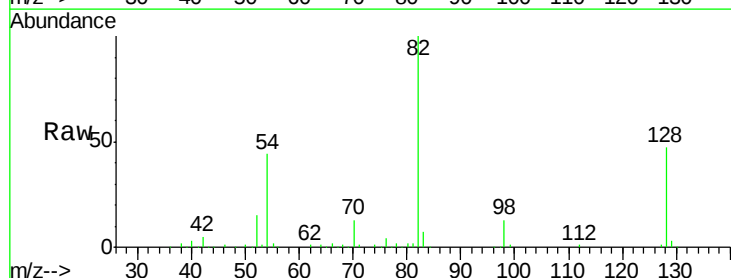
Tgt Ion: 82 Resp: 286737

Ion Ratio Lower Upper

82 100

128 46.8 35.9 53.9

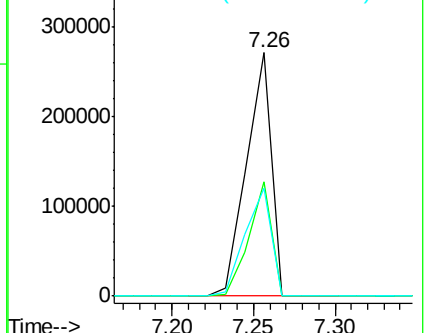
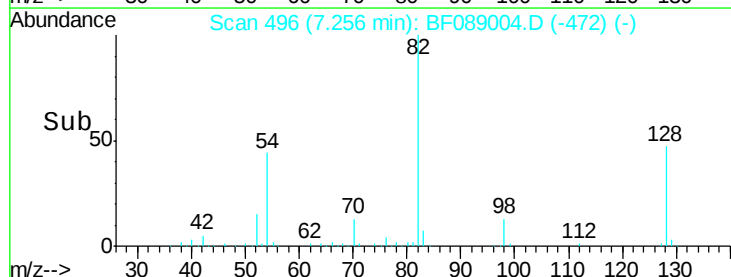
54 44.2 40.9 61.3

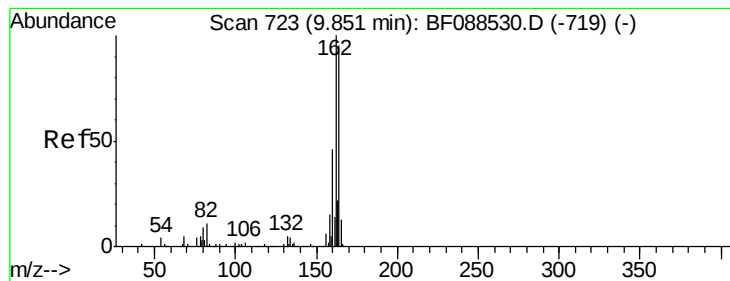


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF089004.D

Acq: 15 Jul 2016 00:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS05(0-2in)

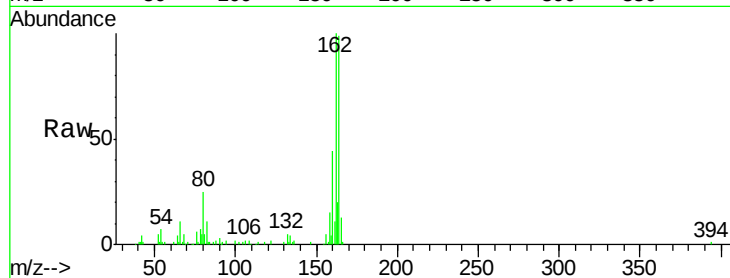
Tgt Ion:164 Resp: 71657

Ion Ratio Lower Upper

164 100

162 101.0 85.4 128.2

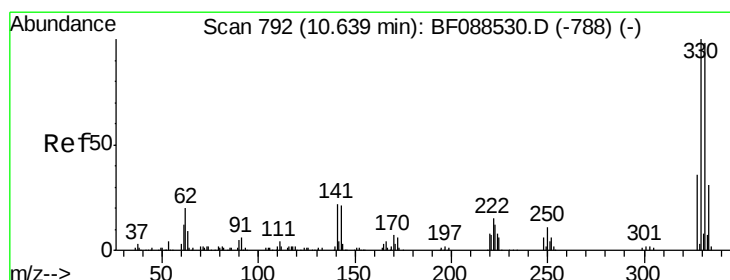
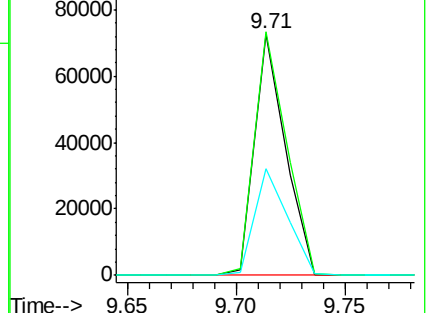
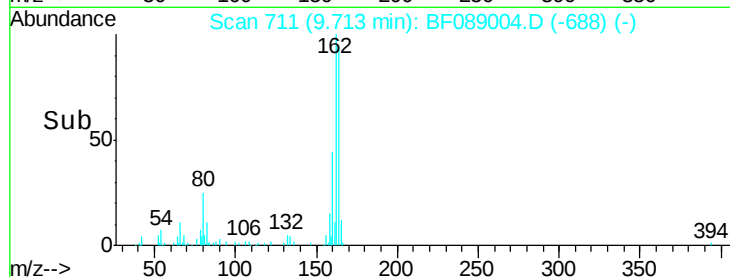
160 44.4 39.5 59.3



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: 79.77 ng

RT: 10.50 min Scan# 780

Delta R.T. -0.03 min

Lab File: BF089004.D

Acq: 15 Jul 2016 00:21

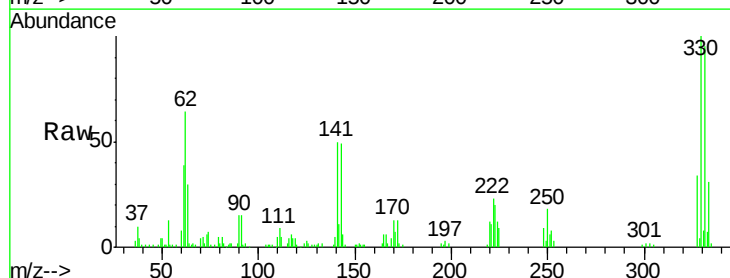
Tgt Ion:330 Resp: 53077

Ion Ratio Lower Upper

330 100

332 95.1 0.0 0.0#

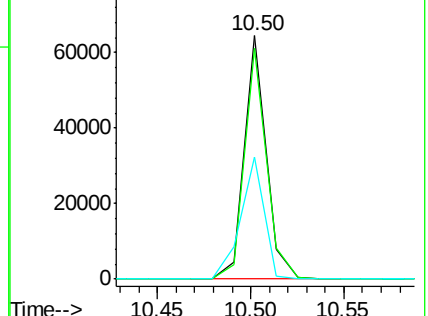
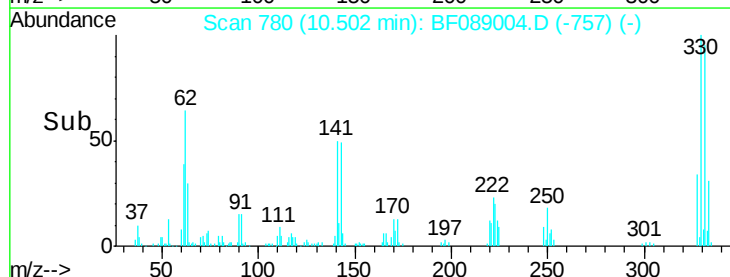
141 53.8 0.0 0.0#

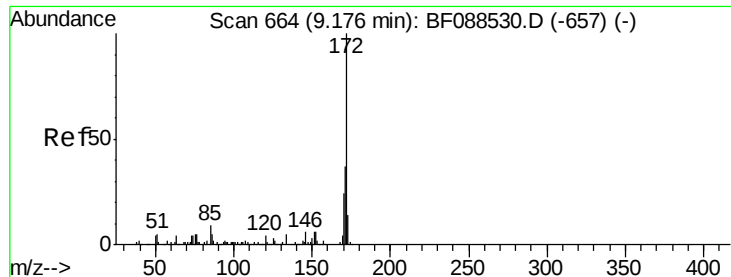


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 81.87 ng

RT: 9.05 min Scan# 653

Delta R.T. -0.02 min

Lab File: BF089004.D

Acq: 15 Jul 2016 00:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS05(0-2in)

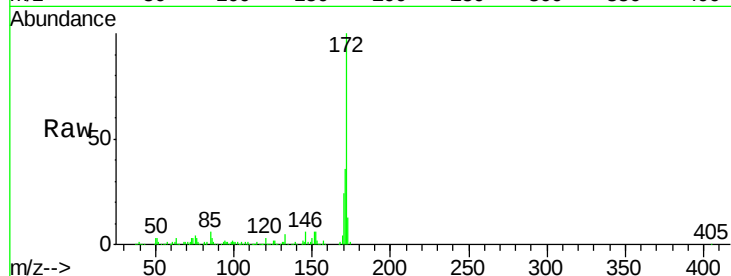
Tgt Ion:172 Resp: 371394

Ion Ratio Lower Upper

172 100

171 36.0 28.6 43.0

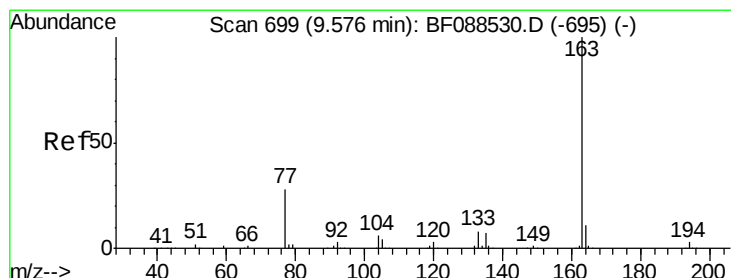
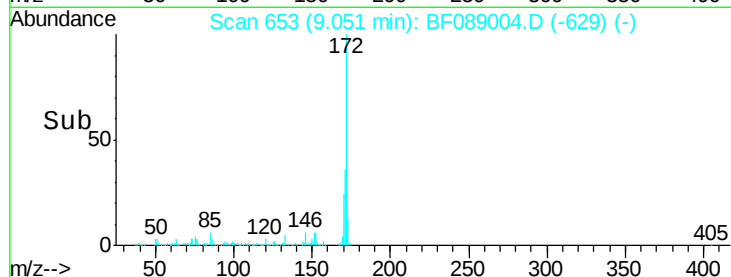
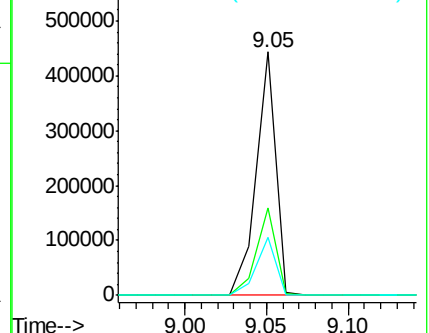
170 23.7 19.2 28.8



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: 13.44 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.05 min

Lab File: BF089004.D

Acq: 15 Jul 2016 00:21

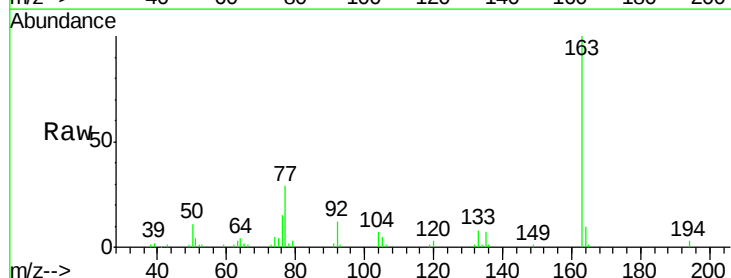
Tgt Ion:163 Resp: 68588

Ion Ratio Lower Upper

163 100

194 2.7 2.8 4.2#

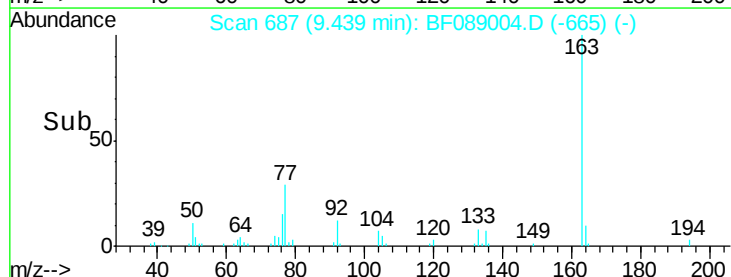
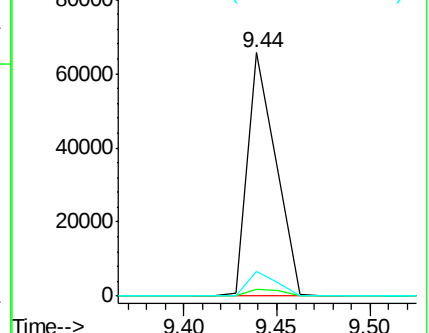
164 10.4 8.3 12.5

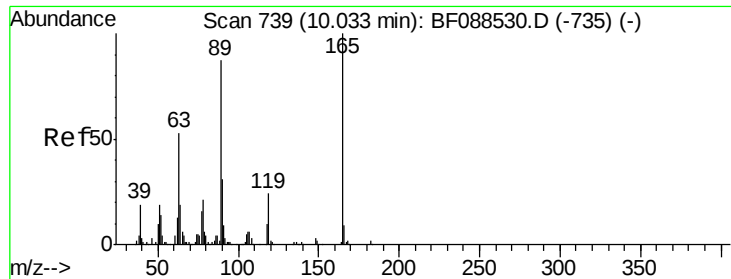


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

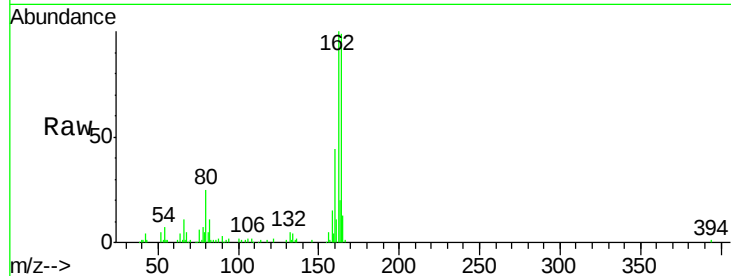




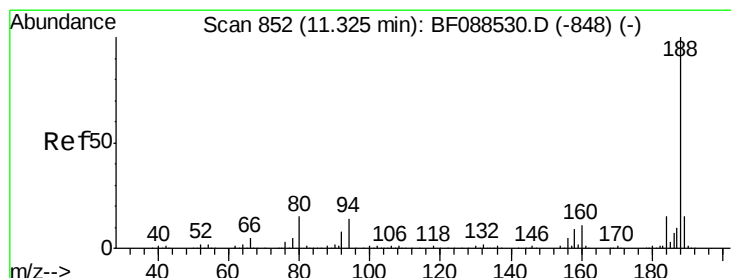
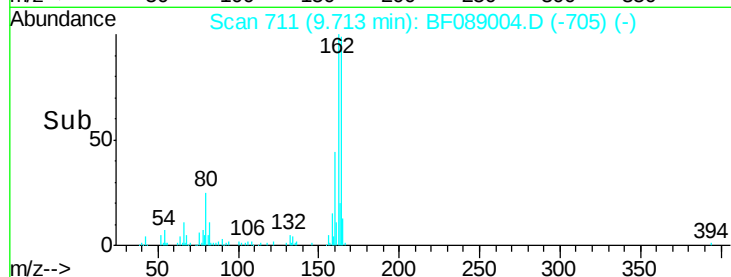
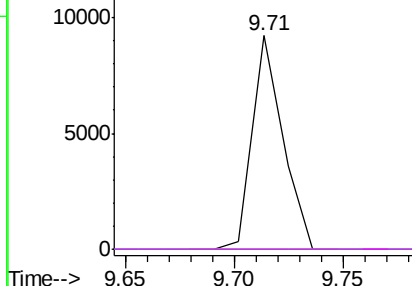
#56
2,4-Dinitrotoluene
Concen: 6.10 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.23 min
Lab File: BF089004.D
Acq: 15 Jul 2016 00:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS05(0-2in)

Tgt Ion:165 Resp: 9030
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#

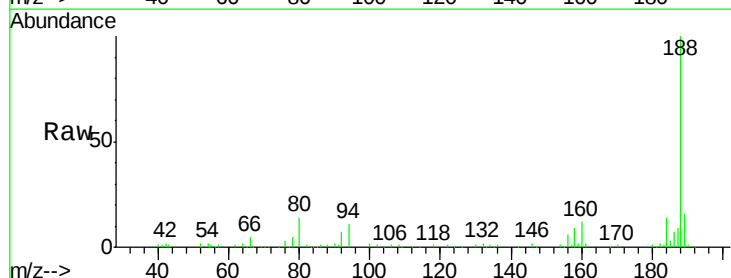


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

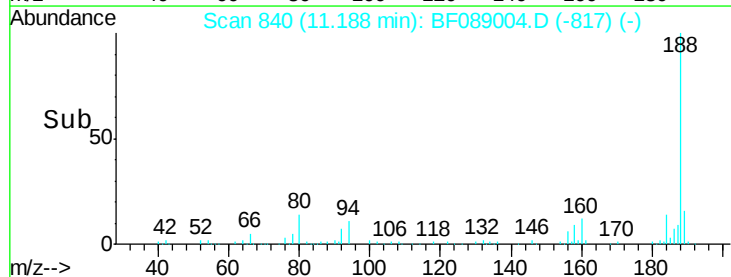
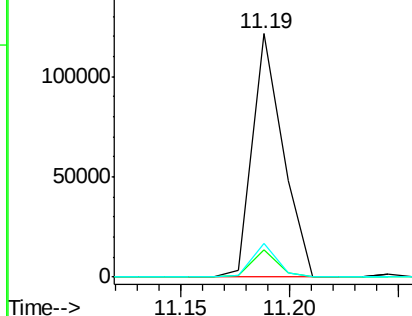


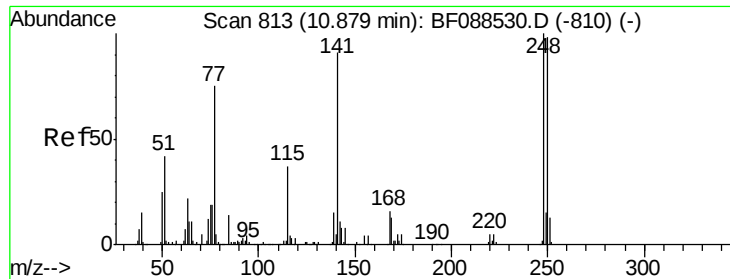
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF089004.D
Acq: 15 Jul 2016 00:21

Tgt Ion:188 Resp: 118773
Ion Ratio Lower Upper
188 100
94 11.4 9.0 13.6
80 14.0 10.0 15.0



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

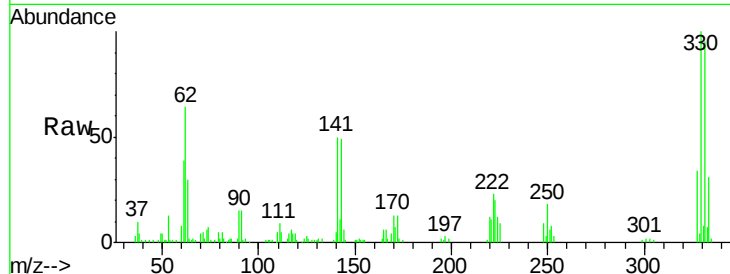




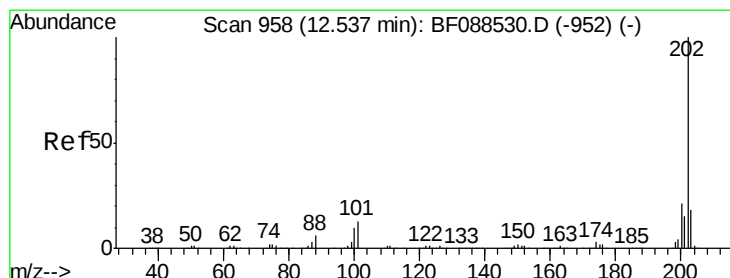
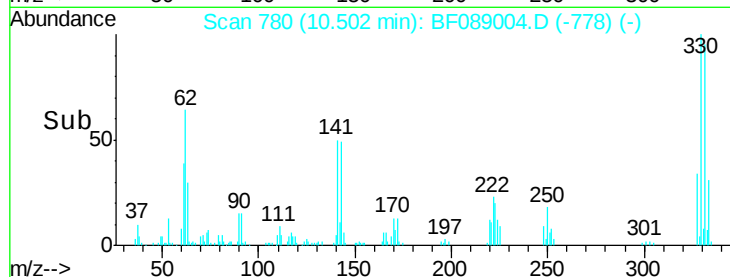
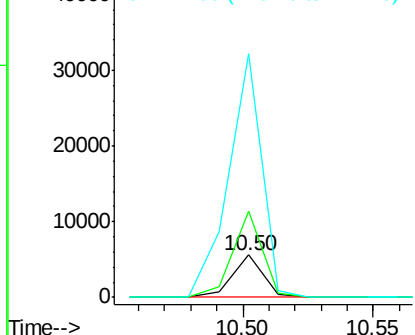
#66
 4-Bromophenyl-phenylether
 Concen: 3.82 ng
 RT: 10.50 min Scan# 780
 Delta R.T. -0.27 min
 Lab File: BF089004.D
 Acq: 15 Jul 2016 00:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS05(0-2in)

Tgt Ion:248 Resp: 4575
 Ion Ratio Lower Upper
 248 100
 250 200.9 77.1 115.7#
 141 571.9 50.6 76.0#

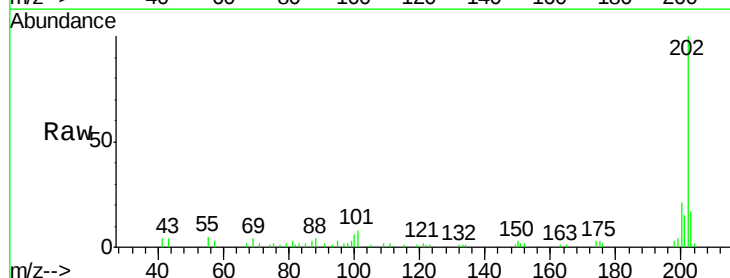


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

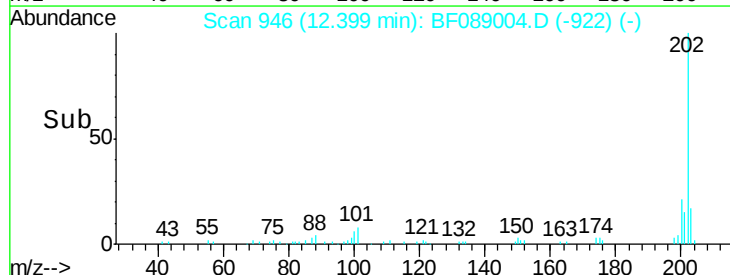
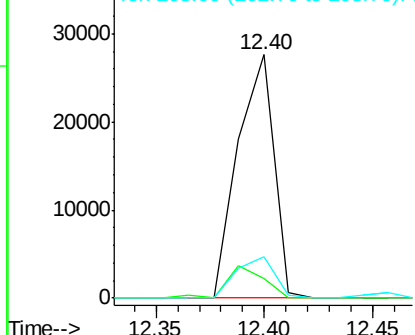


#74
 Fluoranthene
 Concen: 4.84 ng
 RT: 12.40 min Scan# 946
 Delta R.T. -0.02 min
 Lab File: BF089004.D
 Acq: 15 Jul 2016 00:21

Tgt Ion:202 Resp: 31851
 Ion Ratio Lower Upper
 202 100
 101 8.0 0.0 33.1
 203 16.9 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

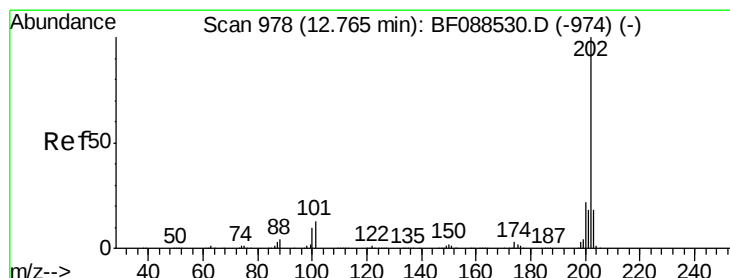
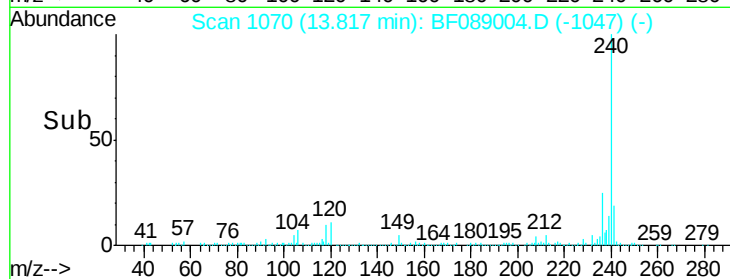
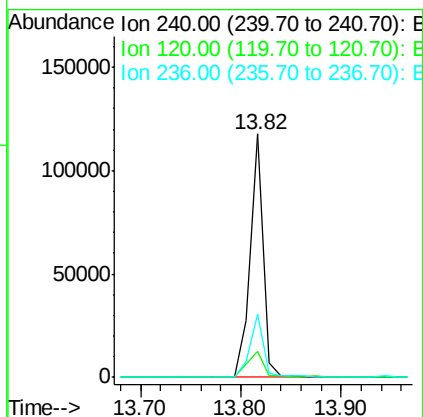
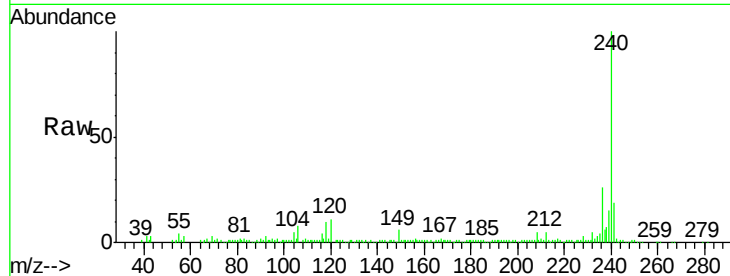




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.03 min
Lab File: BF089004.D
Acq: 15 Jul 2016 00:21

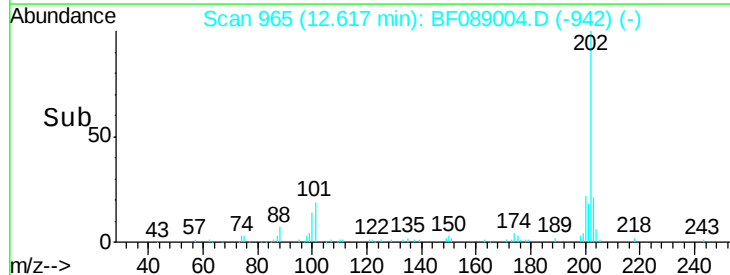
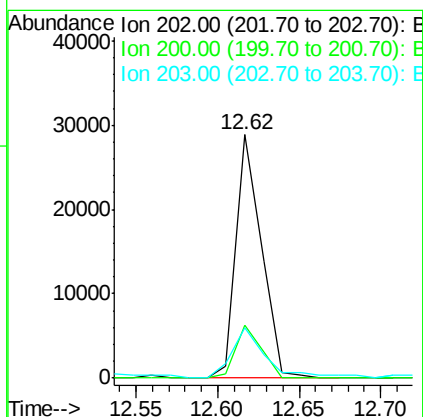
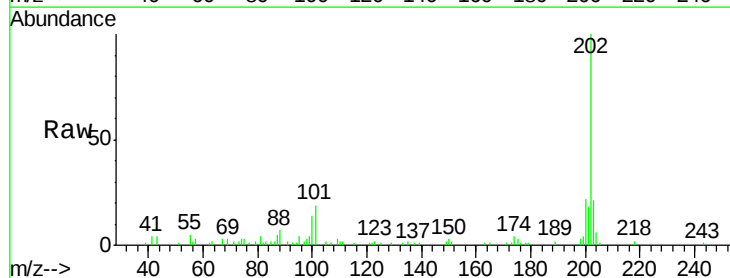
Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS05(0-2in)

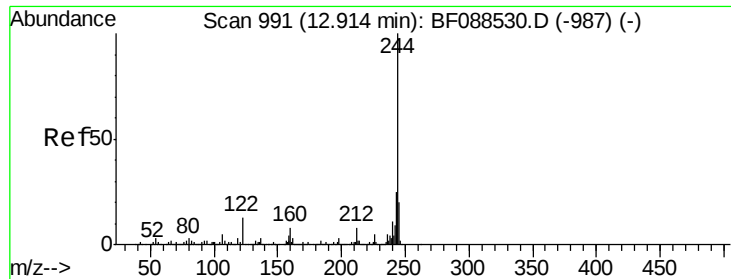
Tgt Ion:240 Resp: 106844
Ion Ratio Lower Upper
240 100
120 10.9 6.8 10.2#
236 25.8 20.2 30.2



#77
Pyrene
Concen: 3.42 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.03 min
Lab File: BF089004.D
Acq: 15 Jul 2016 00:21

Tgt Ion:202 Resp: 30964
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 20.8 14.5 21.7





#78

Terphenyl-d14

Concen: 48.03 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.02 min

Lab File: BF089004.D

Acq: 15 Jul 2016 00:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS05(0-2in)

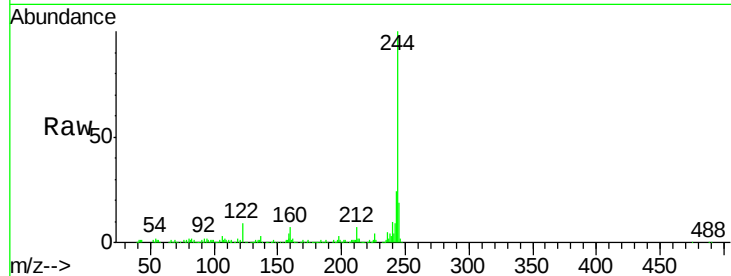
Tgt Ion:244 Resp: 230413

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

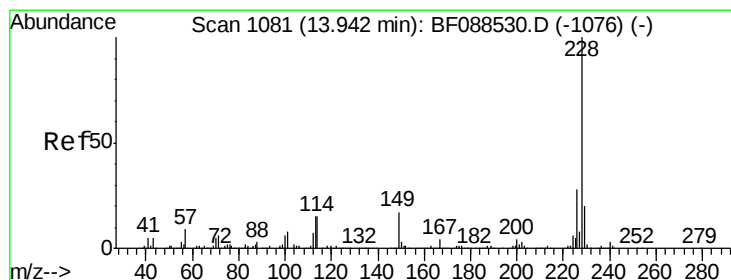
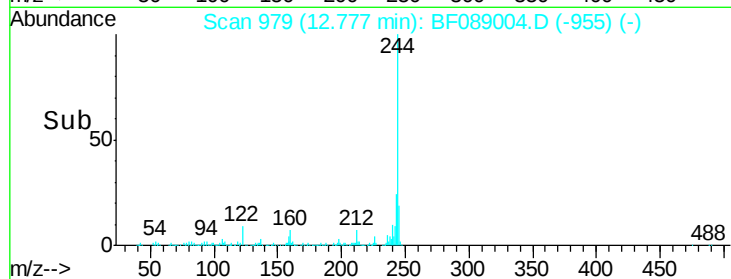
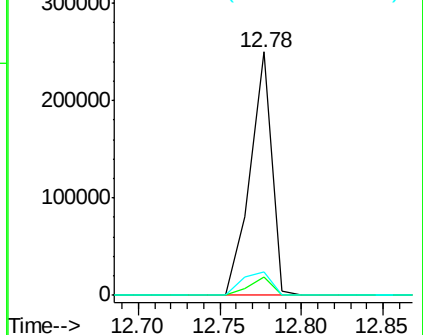
122 9.4 11.2 16.8#



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



#80

Benzo(a)anthracene

Concen: 3.39 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.03 min

Lab File: BF089004.D

Acq: 15 Jul 2016 00:21

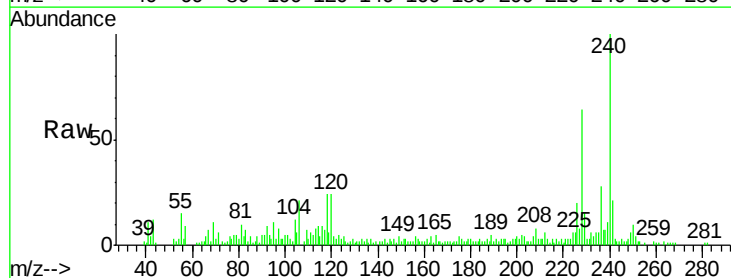
Tgt Ion:228 Resp: 23323

Ion Ratio Lower Upper

228 100

226 31.4 22.3 33.5

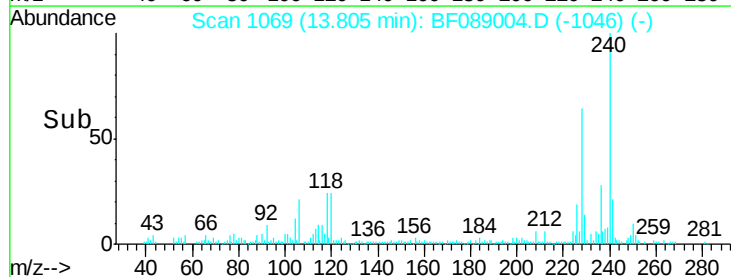
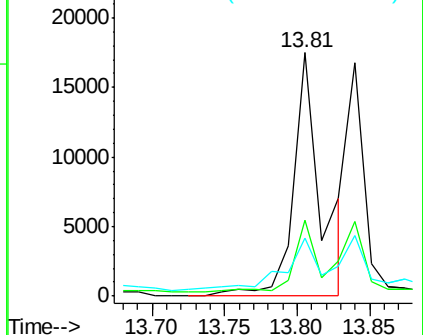
229 23.8 16.0 24.0

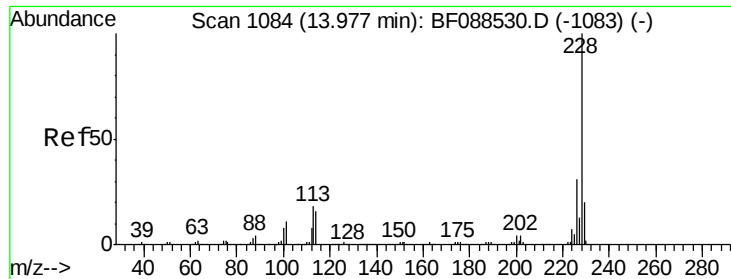


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.43 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.07 min

Lab File: BF089004.D

Acq: 15 Jul 2016 00:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS05(0-2in)

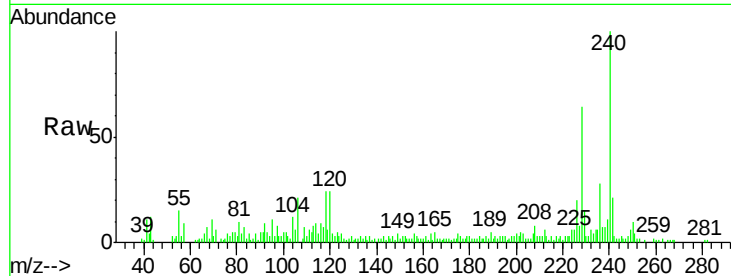
Tgt Ion:228 Resp: 23323

Ion Ratio Lower Upper

228 100

226 31.4 25.4 38.2

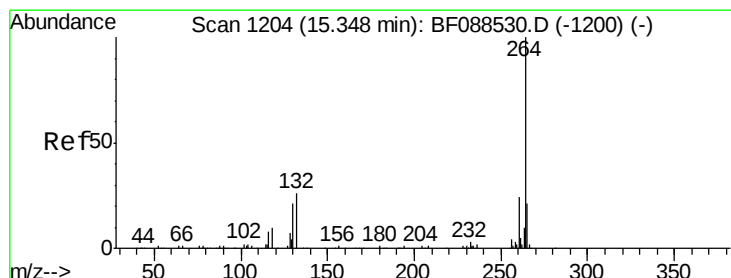
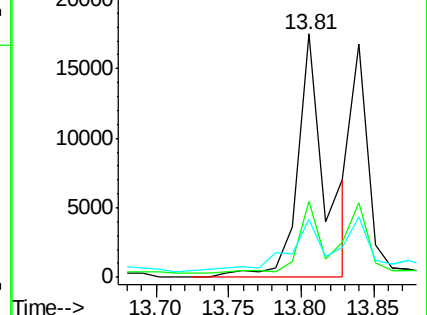
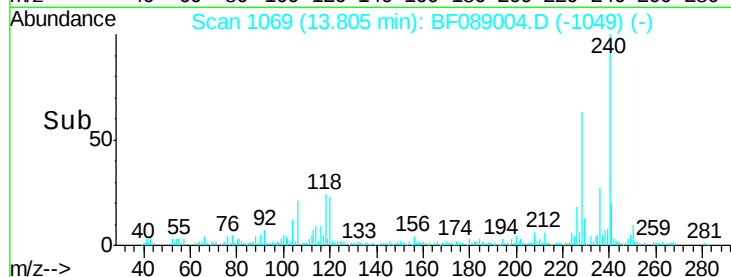
229 23.8 16.3 24.5



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: 15.19 min Scan# 1190

Delta R.T. -0.02 min

Lab File: BF089004.D

Acq: 15 Jul 2016 00:21

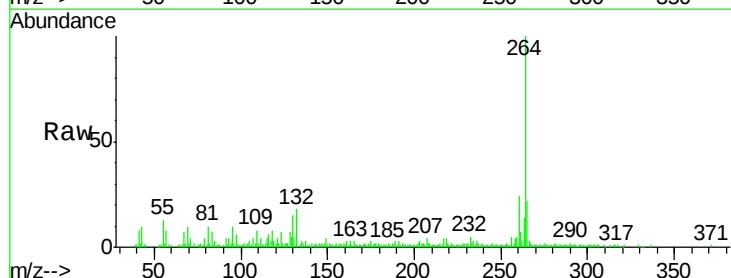
Tgt Ion:264 Resp: 72865

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

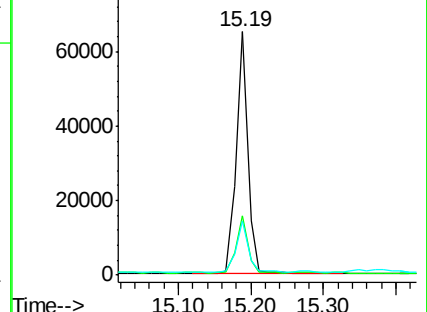
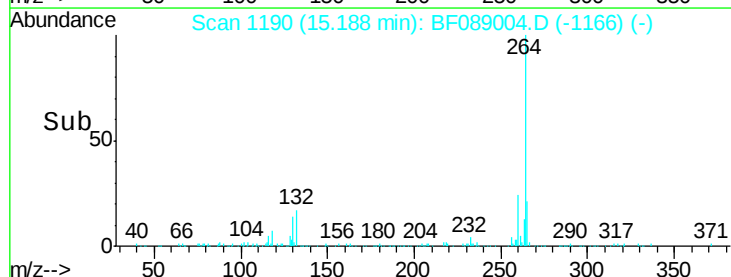
265 22.5 16.9 25.3

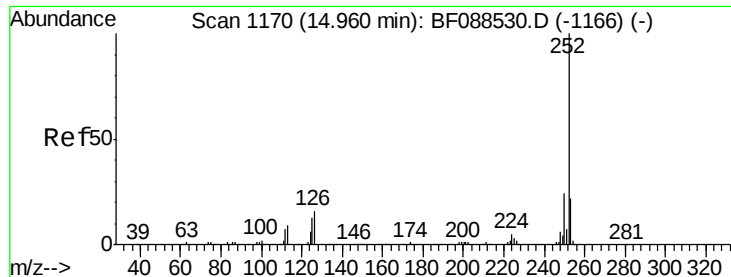


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.86 ng

RT: 14.81 min Scan# 1157

Delta R.T. -0.02 min

Lab File: BF089004.D

Acq: 15 Jul 2016 00:21

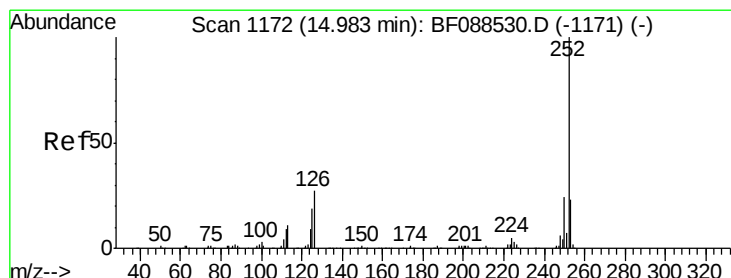
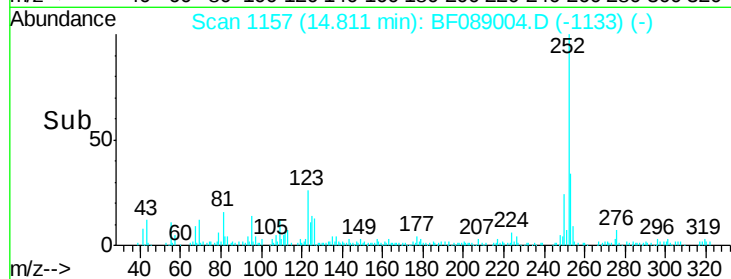
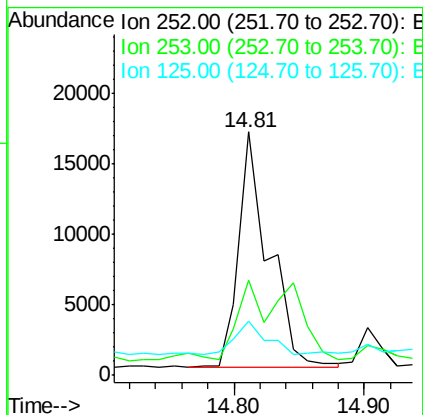
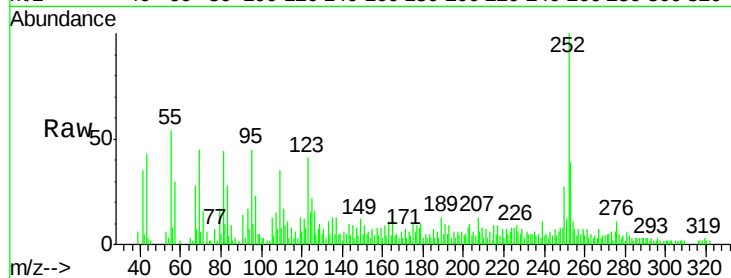
Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS05(0-2in)

Tgt Ion:	252	Resp:	26787
Ion Ratio		Lower	Upper
252	100		
253	39.3	17.4	26.2#
125	22.2	7.1	10.7#



#88

Benzo(k)fluoranthene

Concen: 6.73 ng

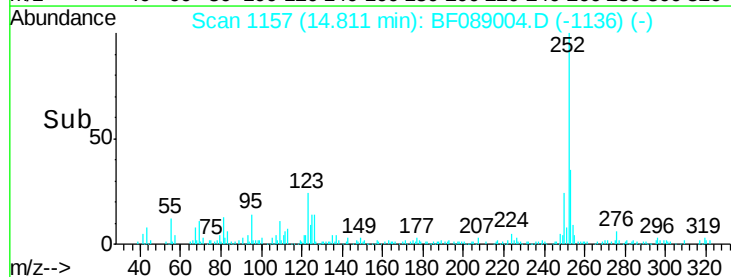
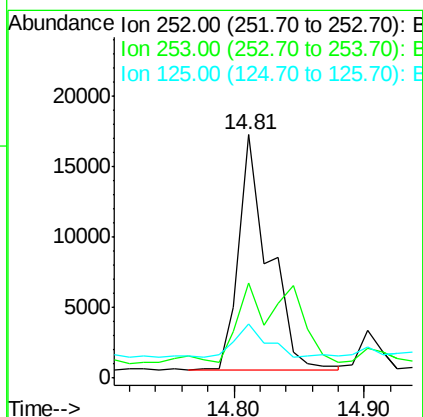
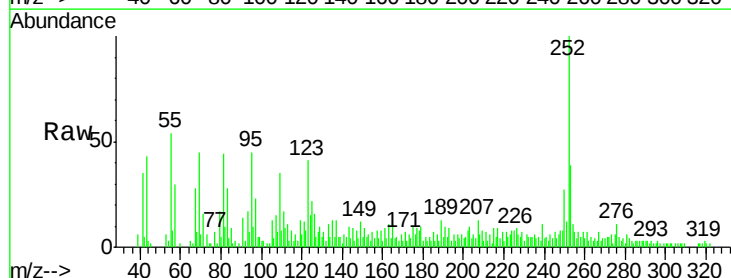
RT: 14.81 min Scan# 1157

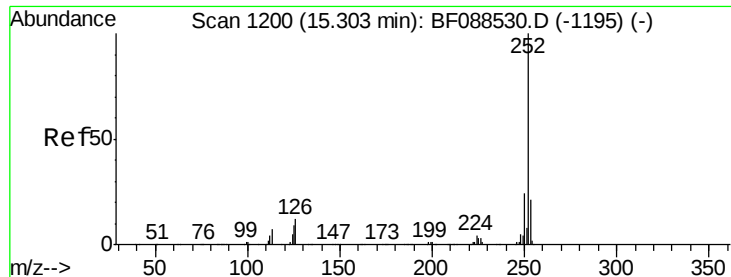
Delta R.T. -0.06 min

Lab File: BF089004.D

Acq: 15 Jul 2016 00:21

Tgt Ion:	252	Resp:	26787
Ion Ratio		Lower	Upper
252	100		
253	39.3	18.0	27.0#
125	22.2	11.2	16.8#





#89

Benzo(a)pyrene

Concen: 3.66 ng

RT: 15.13 min Scan# 1185

Delta R.T. -0.03 min

Lab File: BF089004.D

Acq: 15 Jul 2016 00:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS05(0-2in)

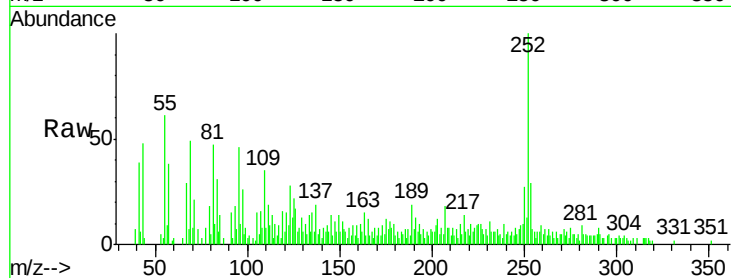
Tgt Ion: 252 Resp: 14180

Ion Ratio Lower Upper

252 100

253 29.2 17.9 26.9#

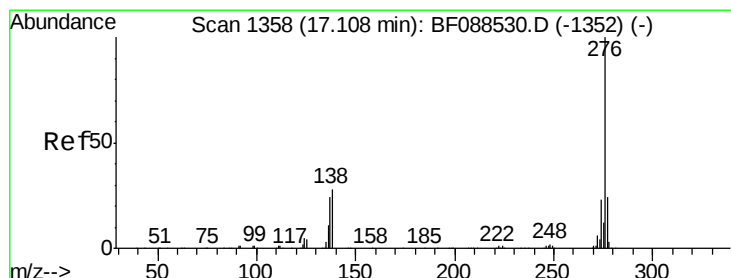
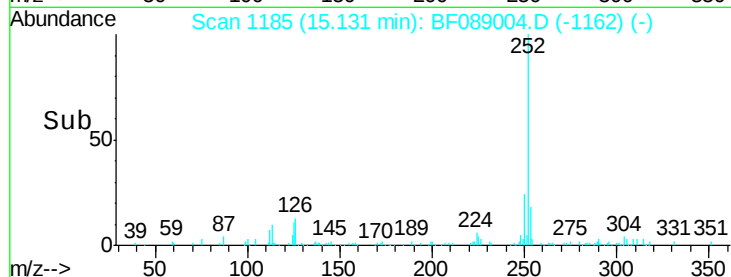
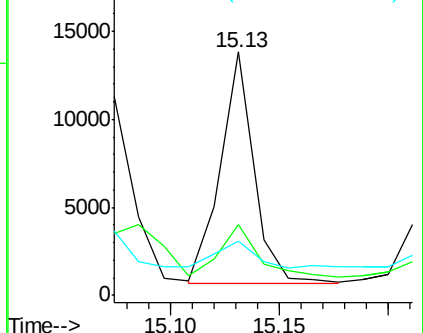
125 22.5 12.5 18.7#



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: 2.44 ng

RT: 16.85 min Scan# 1335

Delta R.T. -0.05 min

Lab File: BF089004.D

Acq: 15 Jul 2016 00:21

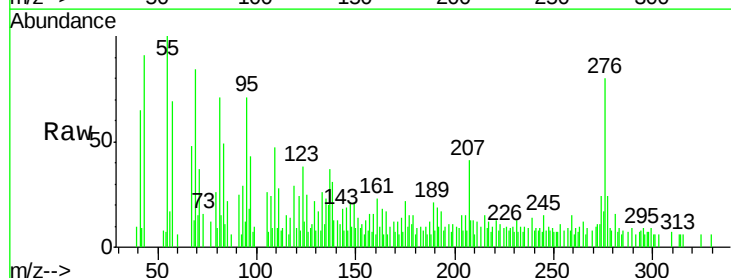
Tgt Ion: 276 Resp: 8145

Ion Ratio Lower Upper

276 100

277 30.5 18.9 28.3#

138 38.0 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

