

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071816\
 Data File : BF089087.D
 Acq On : 18 Jul 2016 17:39
 Operator : UM/SJ
 Sample : H3951-01 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB01(0-2in)

Quant Time: Jul 19 03:12:32 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	6.64	152	58020	20.00	ng	-0.07
21) Naphthalene-d8	7.93	136	217255	20.00	ng	-0.07
38) Acenaphthene-d10	9.67	164	88615	20.00	ng	-0.08
63) Phenanthrene-d10	11.14	188	140139	20.00	ng	-0.08
75) Chrysene-d12	13.77	240	104180	20.00	ng	-0.08
86) Perylene-d12	15.14	264	101478	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	225294	58.20	ng	-0.06
7) Phenol-d6	6.30	99	316174	63.21	ng	-0.06
23) Nitrobenzene-d5	7.21	82	191228	46.13	ng	-0.07
41) 2,4,6-Tribromophenol	10.46	330	40674	49.43	ng	-0.08
44) 2-Fluorobiphenyl	9.00	172	339790	60.57	ng	-0.07
78) Terphenyl-d14	12.73	244	175302	37.48	ng	-0.07

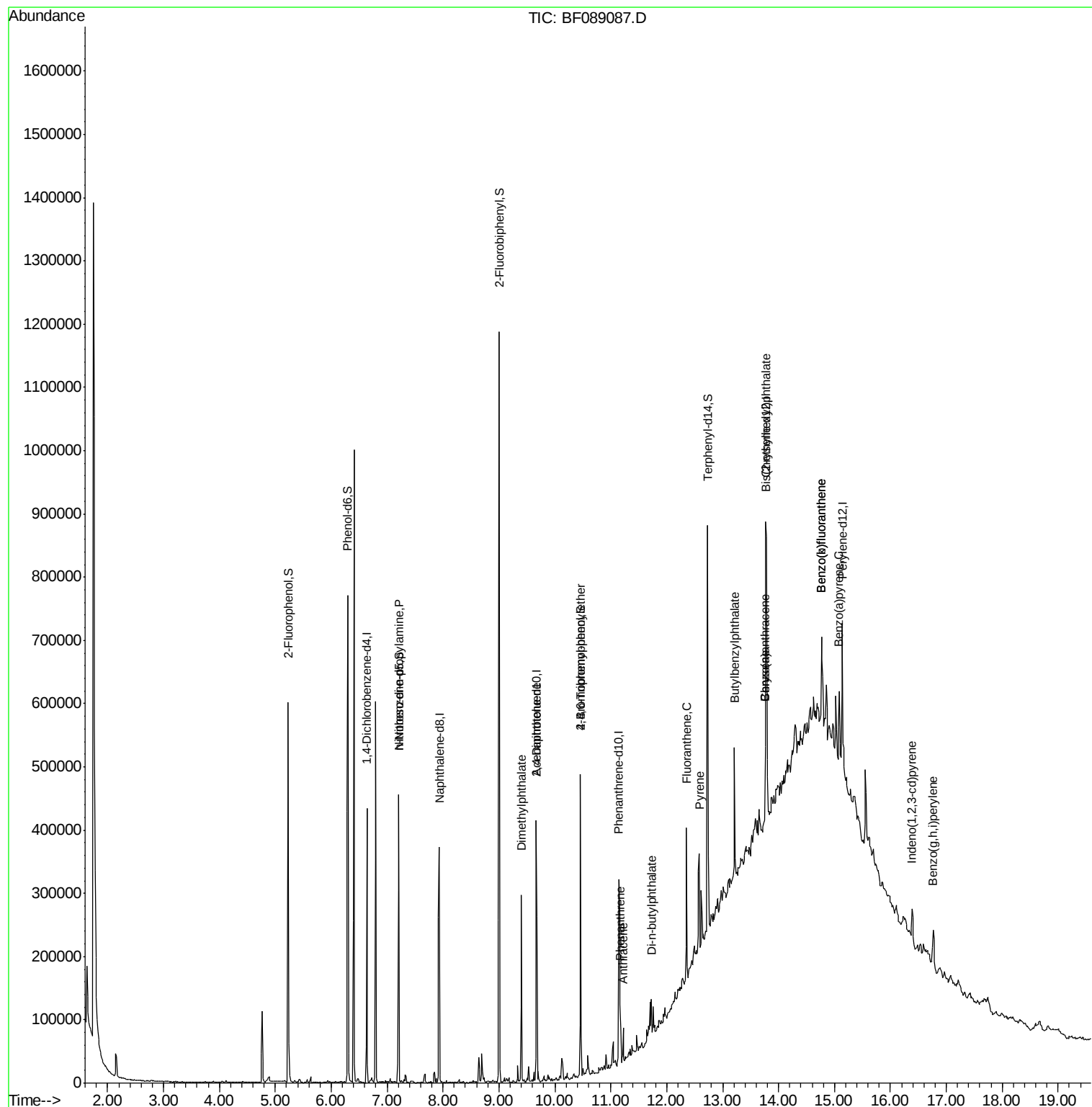
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.21	70	25475	7.58	ng	# 68
49) Dimethylphthalate	9.40	163	130979	20.75	ng	98
56) 2,4-Dinitrotoluene	9.67	165	11627	6.36	ng	# 38
66) 4-Bromophenyl-phenylether	10.46	248	3590	2.54	ng	# 1
70) Phenanthrene	11.16	178	40526	5.29	ng	99
71) Anthracene	11.22	178	15858	2.08	ng	97
73) Di-n-butylphthalate	11.72	149	24678	2.96	ng	98
74) Fluoranthene	12.35	202	84148	10.84	ng	97
77) Pyrene	12.58	202	78553	8.89	ng	98
79) Butylbenzylphthalate	13.21	149	45144	11.46	ng	# 75
80) Benzo(a)anthracene	13.76	228	46839	6.98	ng	# 93
82) Chrysene	13.76	228	46839	7.06	ng	96
83) Bis(2-ethylhexyl)phthalate	13.78	149	98764	21.96	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.39	276	31172	6.10	ng	# 100
87) Benzo(b)fluoranthene	14.77	252	84818	13.32	ng	# 85
88) Benzo(k)fluoranthene	14.77	252	84818	15.31	ng	# 89
89) Benzo(a)pyrene	15.09	252	42250	7.84	ng	# 92
91) Benzo(g,h,i)perylene	16.77	276	41669	8.95	ng	94

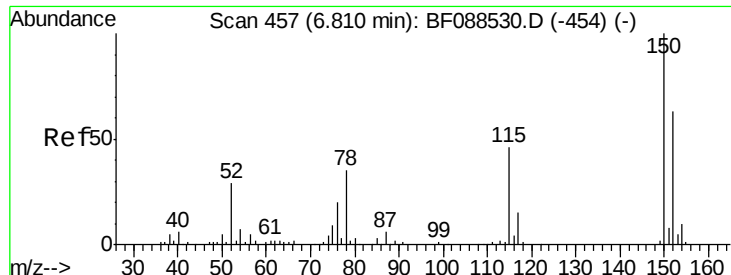
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 442

Delta R.T. -0.07 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB01(0-2in)

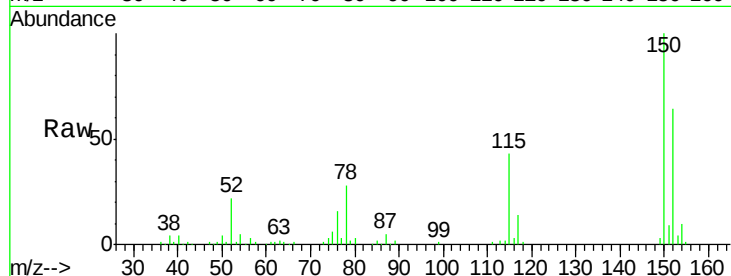
Tgt Ion:152 Resp: 58020

Ion Ratio Lower Upper

152 100

150 155.5 123.8 185.6

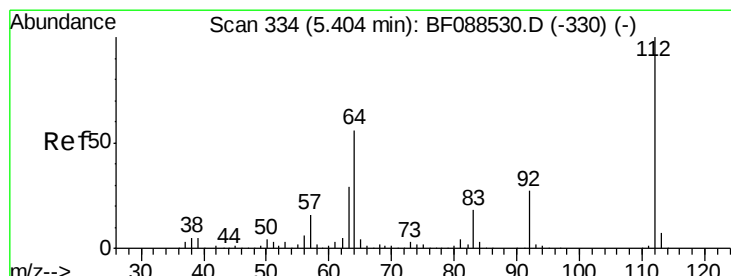
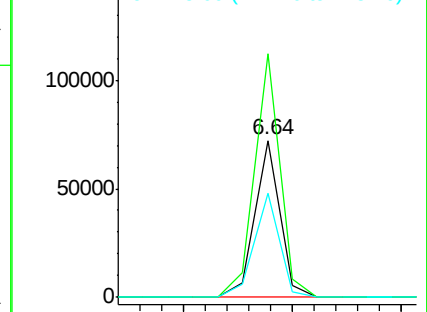
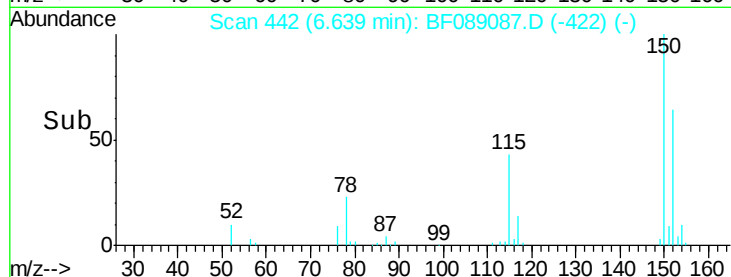
115 66.6 39.6 59.4#



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: 58.20 ng

RT: 5.23 min Scan# 319

Delta R.T. -0.06 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

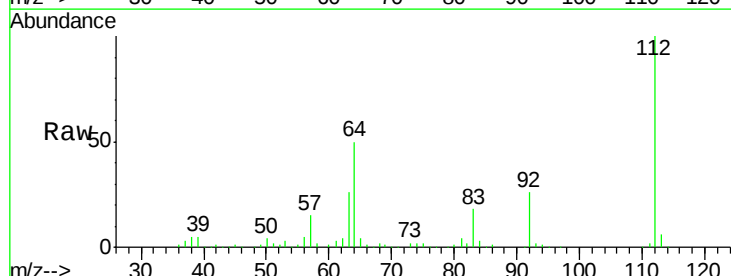
Tgt Ion:112 Resp: 225294

Ion Ratio Lower Upper

112 100

64 50.0 42.2 63.2

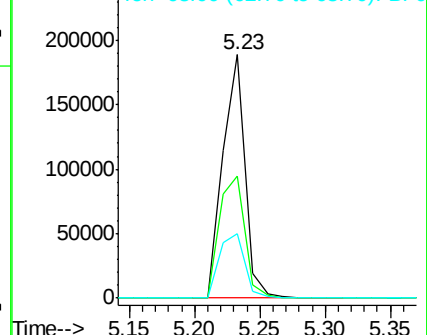
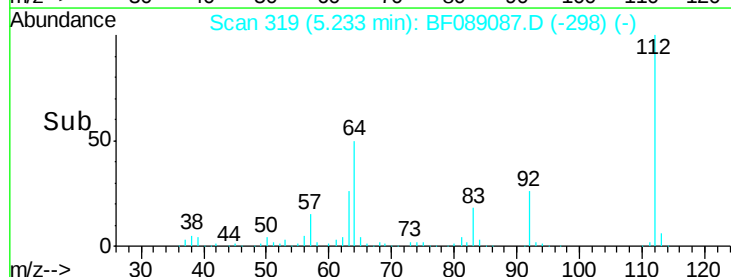
63 26.3 21.8 32.8



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: 63.21 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.06 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB01(0-2in)

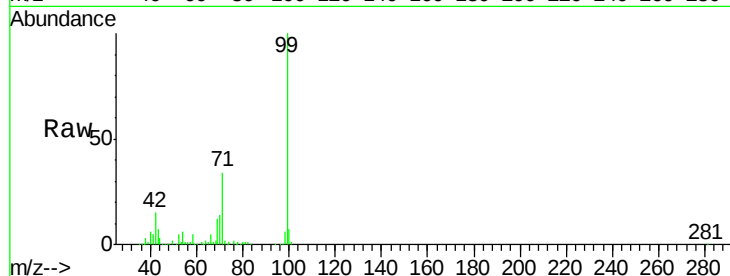
Tgt Ion: 99 Resp: 316174

Ion Ratio Lower Upper

99 100

42 14.9 12.2 18.2

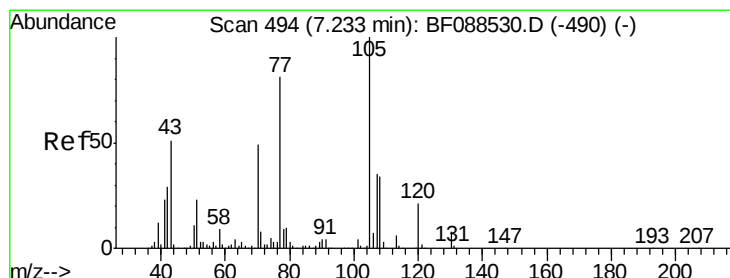
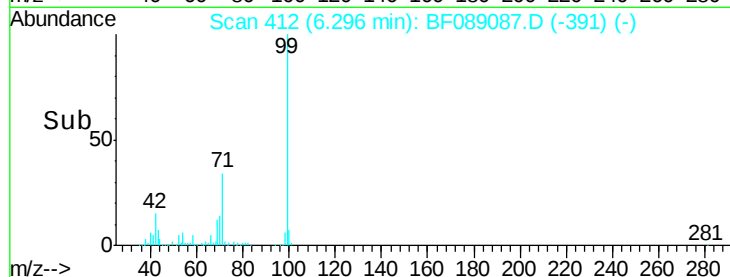
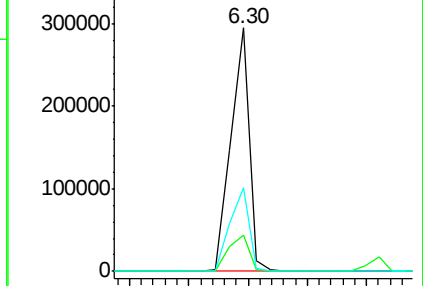
71 34.5 23.4 35.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 7.58 ng

RT: 7.21 min Scan# 492

Delta R.T. 0.07 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

Tgt Ion: 70 Resp: 25475

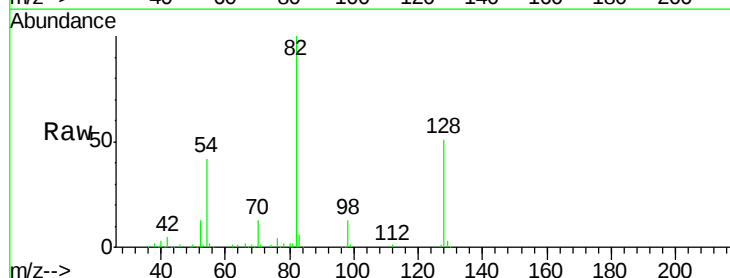
Ion Ratio Lower Upper

70 100

42 38.3 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#

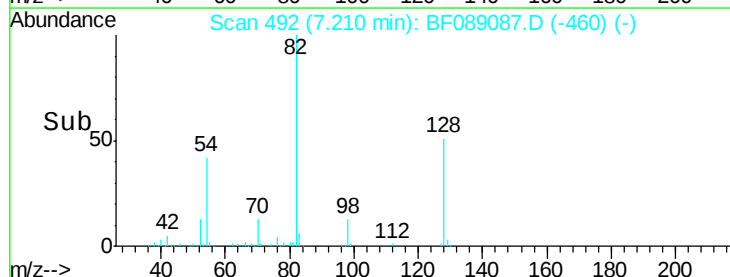
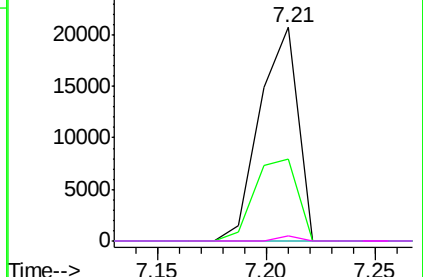


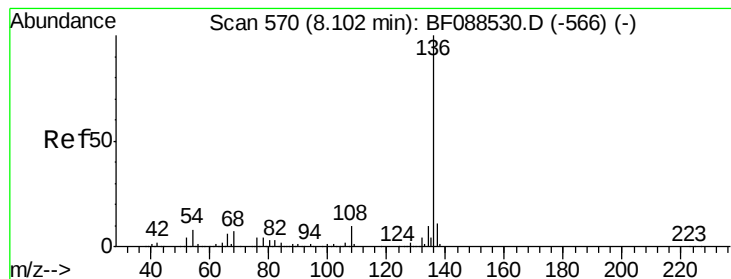
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.07 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB01(0-2in)

Tgt Ion: 136 Resp: 217255

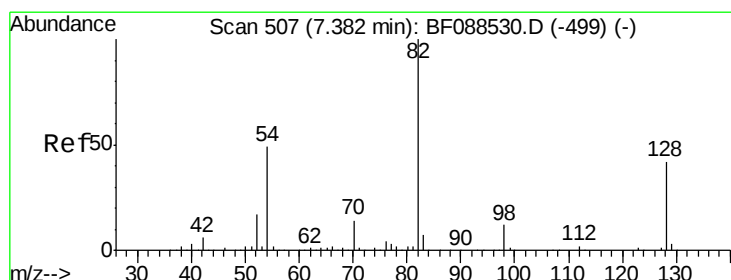
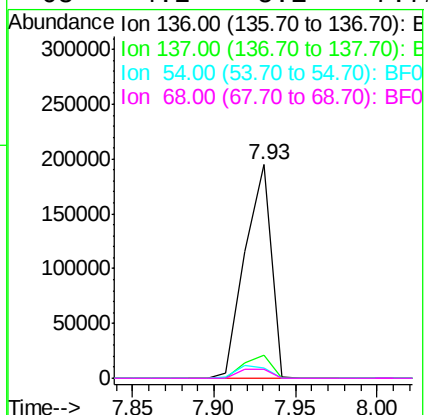
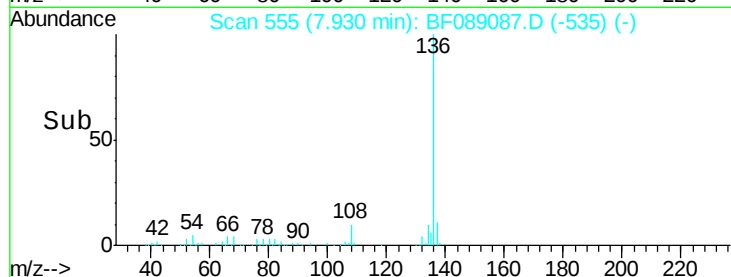
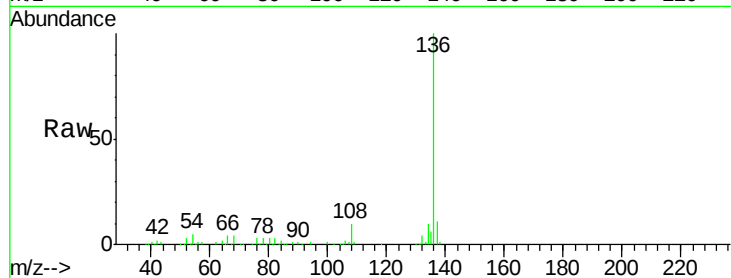
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.1 6.6 10.0#

68 4.2 5.1 7.7#



#23

Nitrobenzene-d5

Concen: 46.13 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.07 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

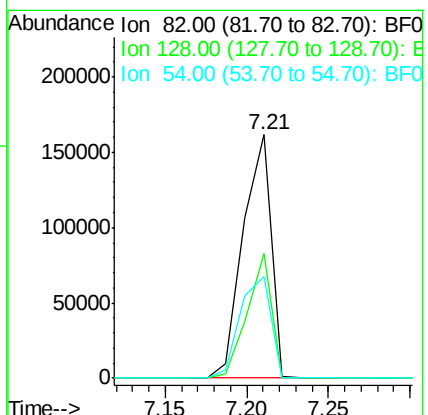
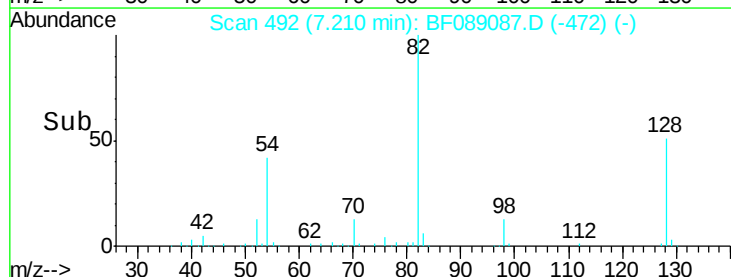
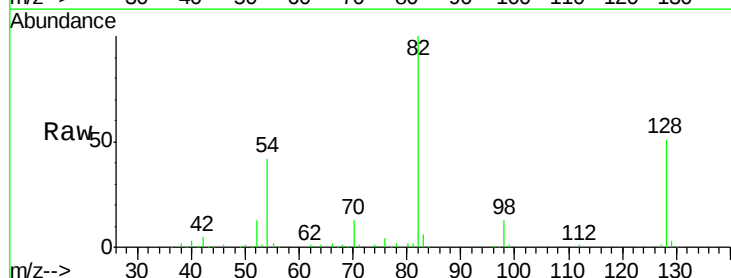
Tgt Ion: 82 Resp: 191228

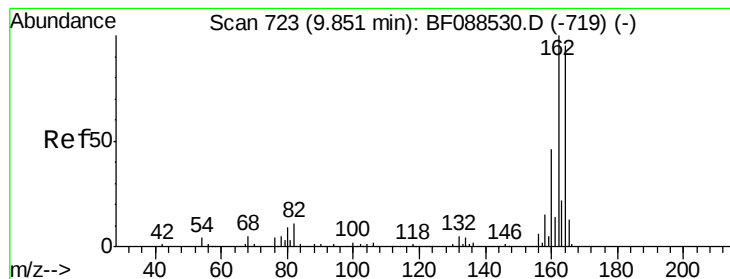
Ion Ratio Lower Upper

82 100

128 51.0 35.9 53.9

54 41.6 40.9 61.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.08 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

Instrument :

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ClientSampleId :

LSS-SB-SB01(0-2in)

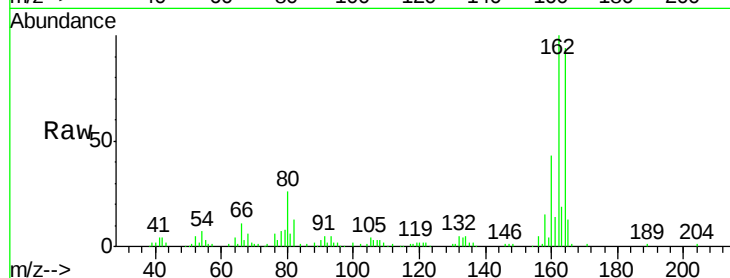
Tgt Ion:164 Resp: 88615

Ion Ratio Lower Upper

164 100

162 106.2 85.4 128.2

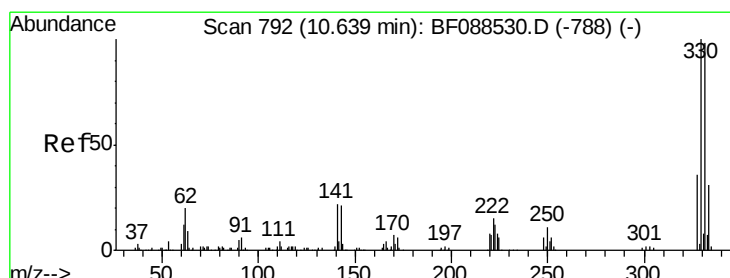
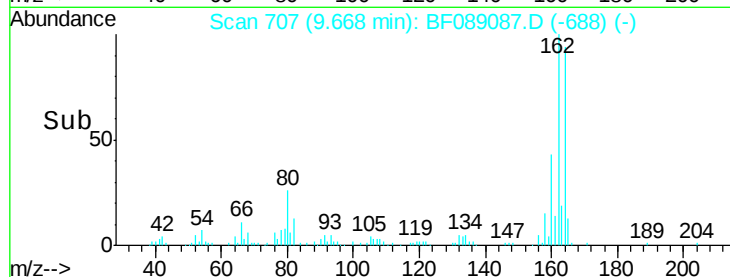
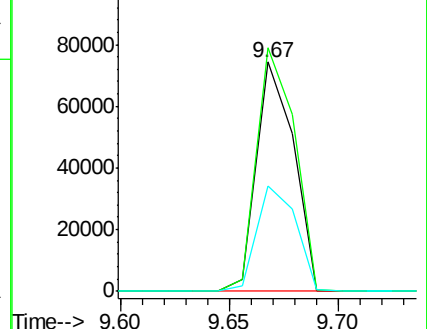
160 46.1 39.5 59.3



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: 49.43 ng

RT: 10.46 min Scan# 776

Delta R.T. -0.08 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

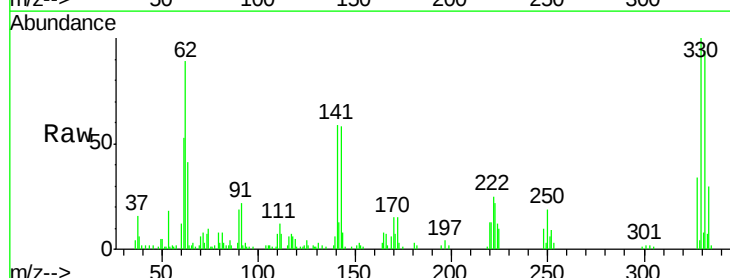
Tgt Ion:330 Resp: 40674

Ion Ratio Lower Upper

330 100

332 95.5 0.0 0.0#

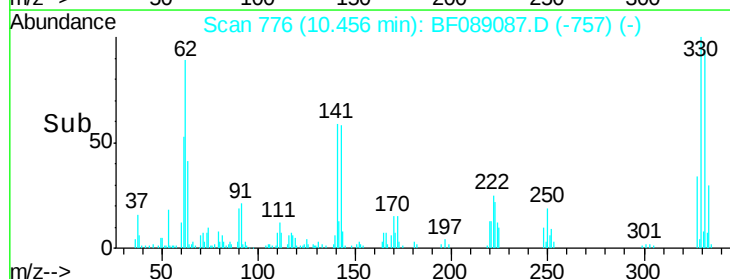
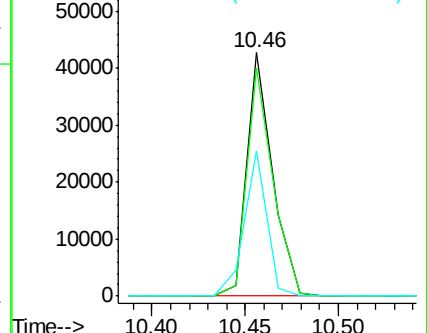
141 52.7 0.0 0.0#

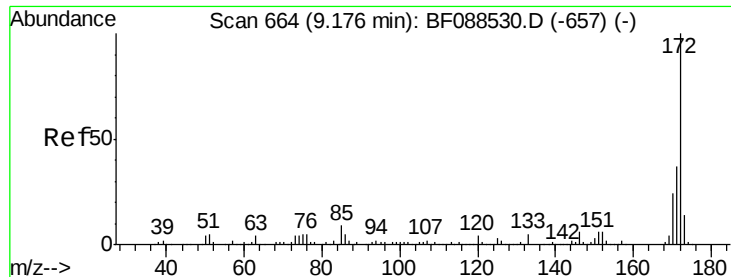


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

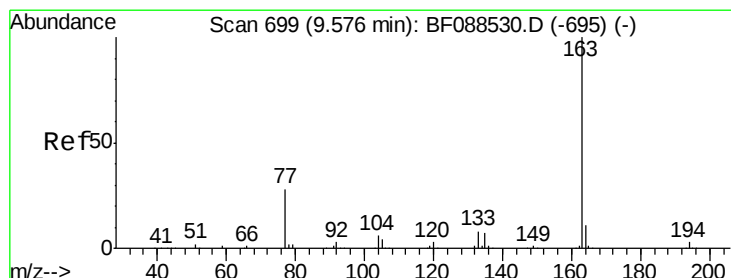
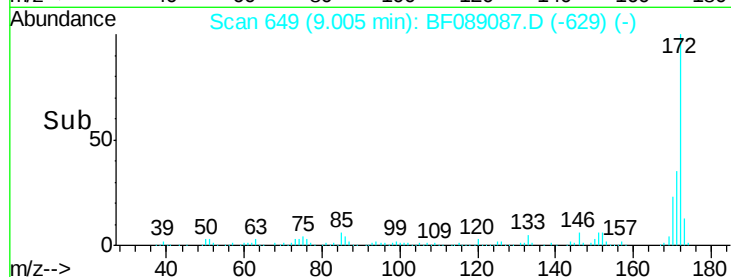
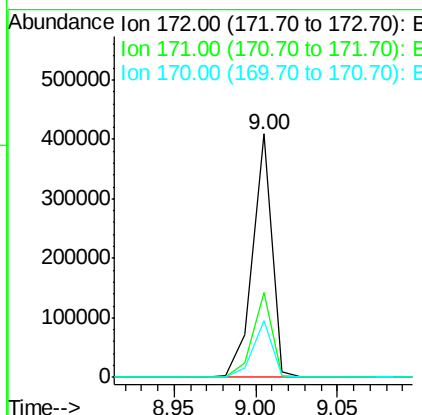
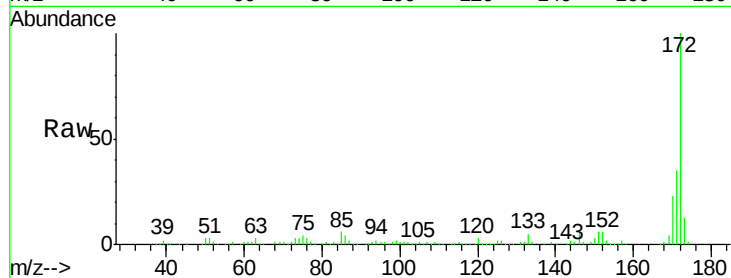




#44
2-Fluorobiphenyl
Concen: 60.57 ng
RT: 9.00 min Scan# 649
Delta R.T. -0.07 min
Lab File: BF089087.D
Acq: 18 Jul 2016 17:39

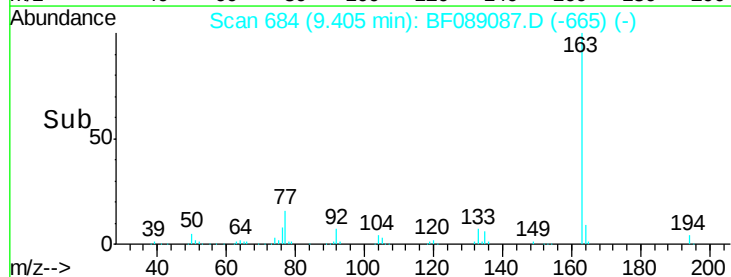
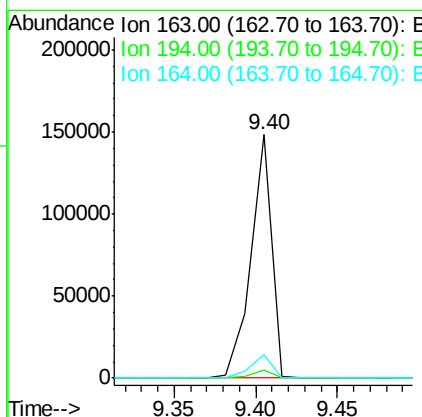
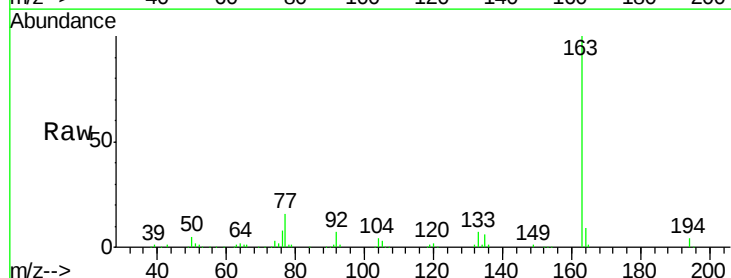
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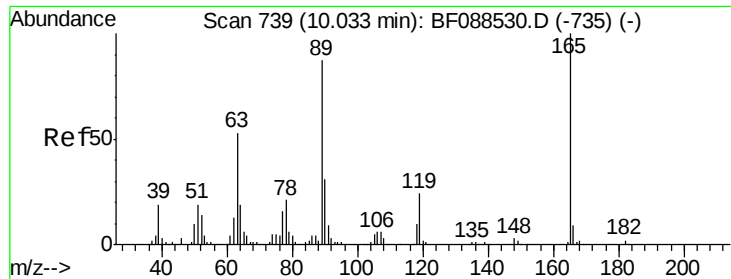
Tgt Ion:172 Resp: 339790
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 23.4 19.2 28.8



#49
Dimethylphthalate
Concen: 20.75 ng
RT: 9.40 min Scan# 684
Delta R.T. -0.08 min
Lab File: BF089087.D
Acq: 18 Jul 2016 17:39

Tgt Ion:163 Resp: 130979
Ion Ratio Lower Upper
163 100
194 3.5 2.8 4.2
164 9.4 8.3 12.5

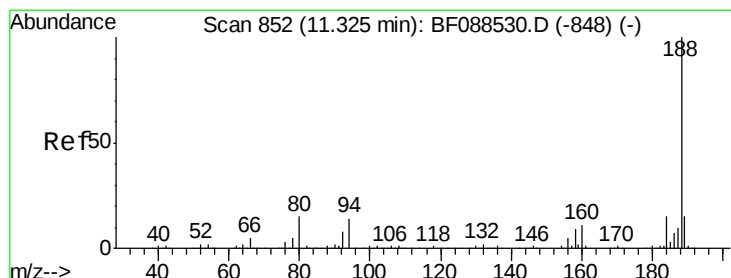
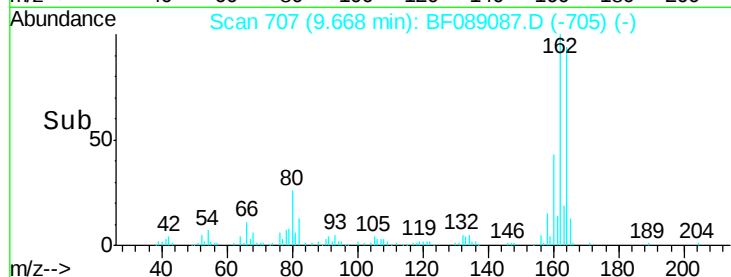
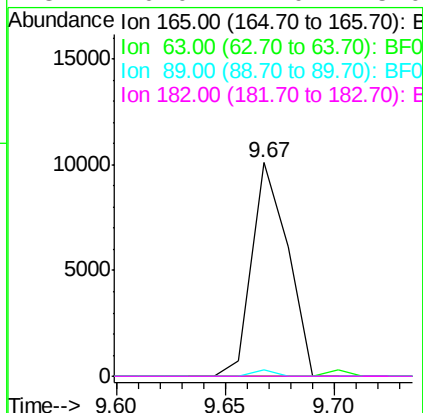
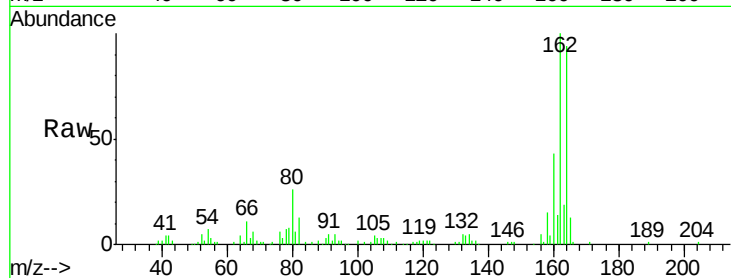




#56
 2,4-Dinitrotoluene
 Concen: 6.36 ng
 RT: 9.67 min Scan# 707
 Delta R.T. -0.27 min
 Lab File: BF089087.D
 Acq: 18 Jul 2016 17:39

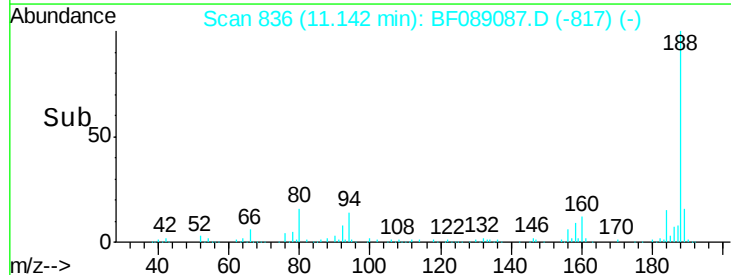
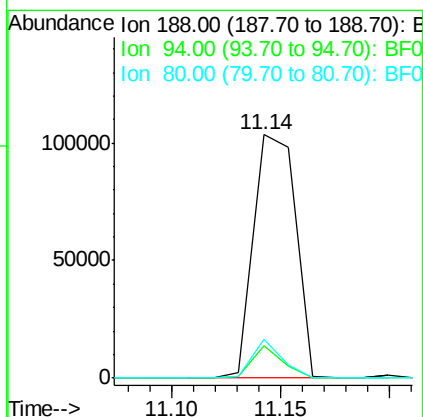
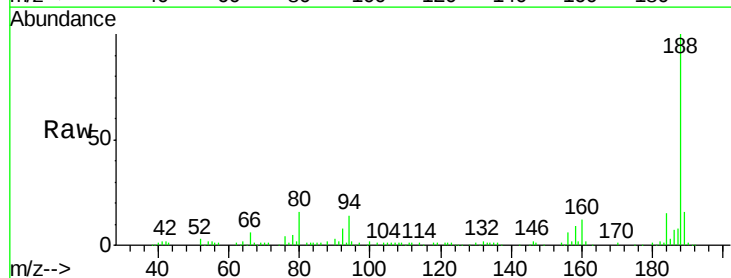
Instrument :
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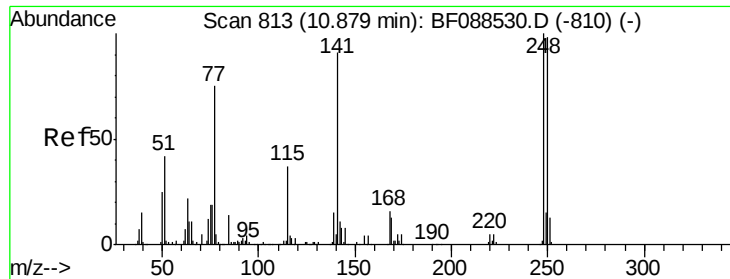
Tgt Ion:	165	Resp:	11627
Ion Ratio	Lower	Upper	
165	100		
63	0.0	22.0	33.0#
89	3.2	41.1	61.7#
182	0.0	2.0	3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.14 min Scan# 836
 Delta R.T. -0.08 min
 Lab File: BF089087.D
 Acq: 18 Jul 2016 17:39

Tgt Ion:	188	Resp:	140139
Ion Ratio	Lower	Upper	
188	100		
94	13.5	9.0	13.6
80	16.2	10.0	15.0#

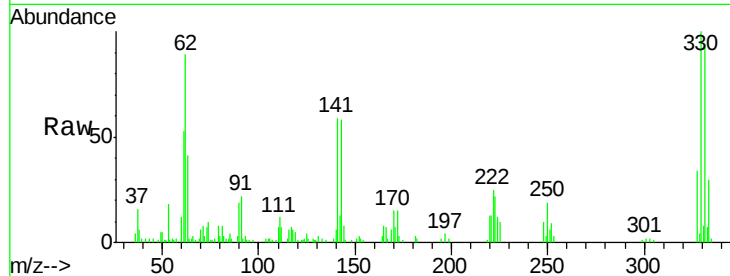




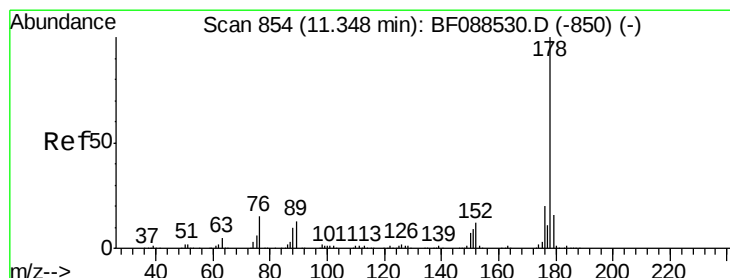
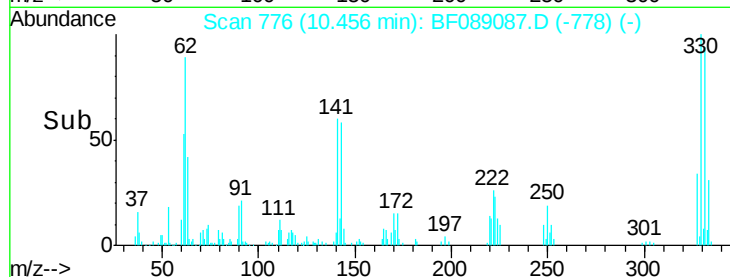
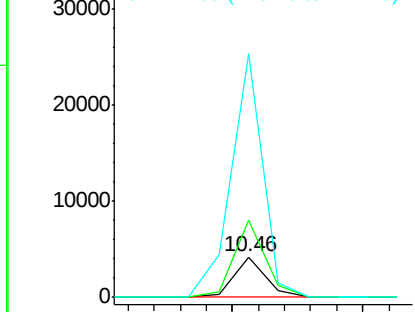
#66
 4-Bromophenyl-phenylether
 Concen: 2.54 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.32 min
 Lab File: BF089087.D
 Acq: 18 Jul 2016 17:39

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB01(0-2in)

Tgt Ion:248 Resp: 3590
 Ion Ratio Lower Upper
 248 100
 250 190.1 77.1 115.7#
 141 597.6 50.6 76.0#

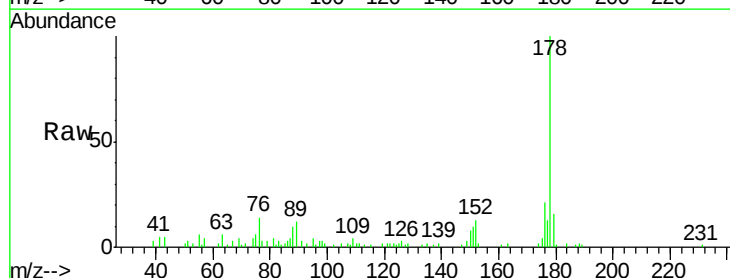


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

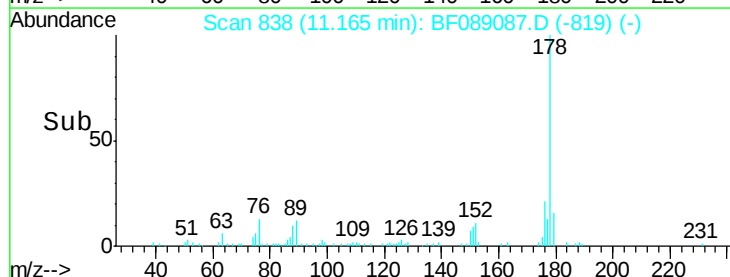
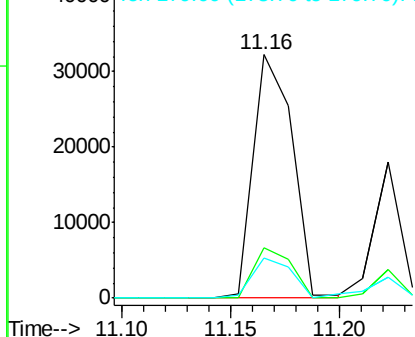


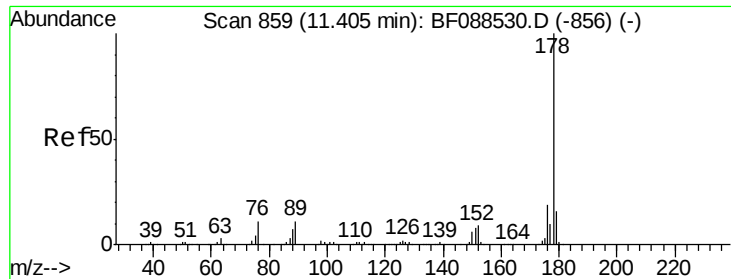
#70
 Phenanthrene
 Concen: 5.29 ng
 RT: 11.16 min Scan# 838
 Delta R.T. -0.08 min
 Lab File: BF089087.D
 Acq: 18 Jul 2016 17:39

Tgt Ion:178 Resp: 40526
 Ion Ratio Lower Upper
 178 100
 176 20.6 15.8 23.6
 179 16.4 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

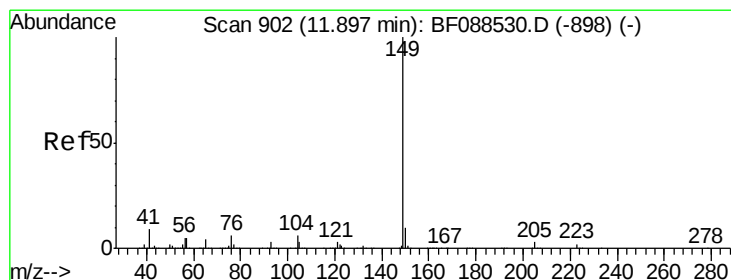
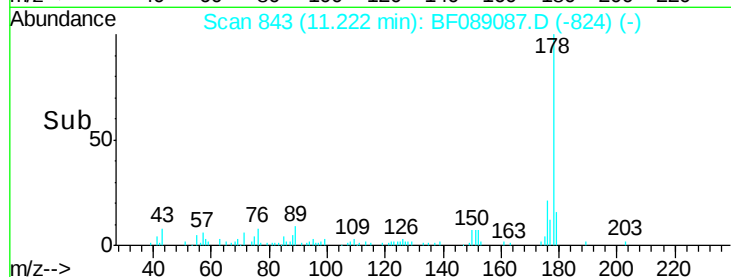
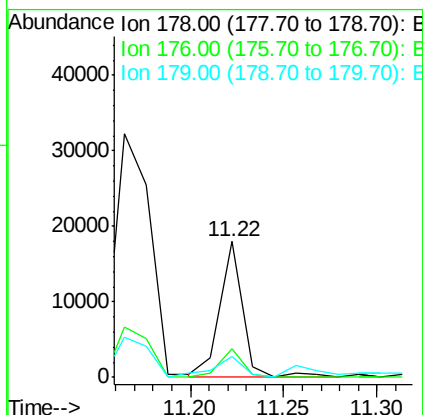
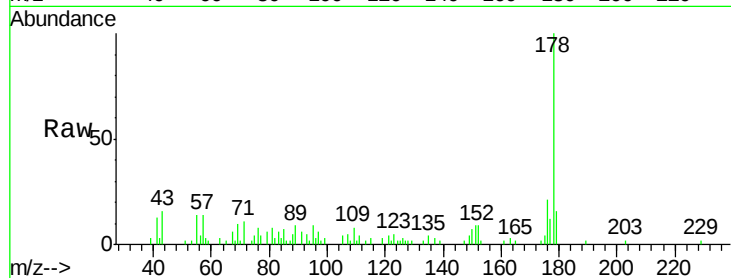




#71
 Anthracene
 Concen: 2.08 ng
 RT: 11.22 min Scan# 843
 Delta R.T. -0.08 min
 Lab File: BF089087.D
 Acq: 18 Jul 2016 17:39

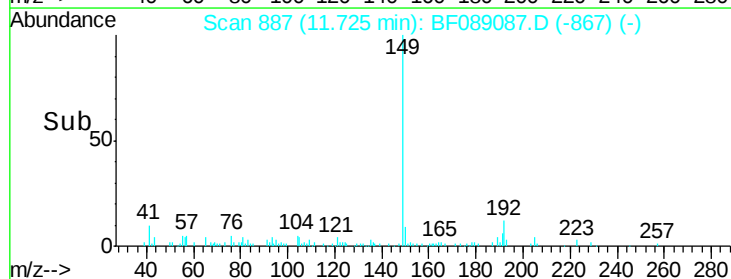
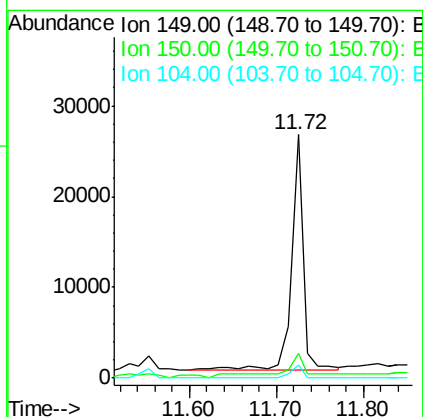
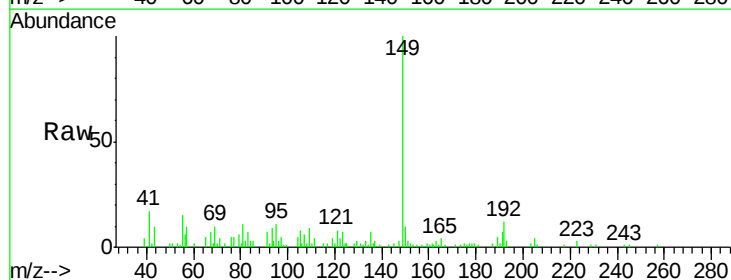
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB01(0-2in)

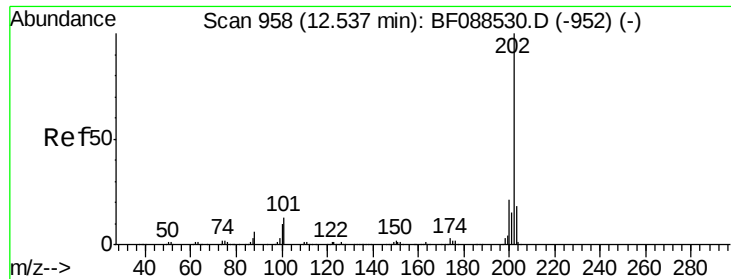
Tgt Ion:178 Resp: 15858
 Ion Ratio Lower Upper
 178 100
 176 21.2 15.6 23.4
 179 15.5 12.8 19.2



#73
 Di-n-butylphthalate
 Concen: 2.96 ng
 RT: 11.72 min Scan# 887
 Delta R.T. -0.07 min
 Lab File: BF089087.D
 Acq: 18 Jul 2016 17:39

Tgt Ion:149 Resp: 24678
 Ion Ratio Lower Upper
 149 100
 150 10.4 7.8 11.6
 104 5.3 4.0 6.0

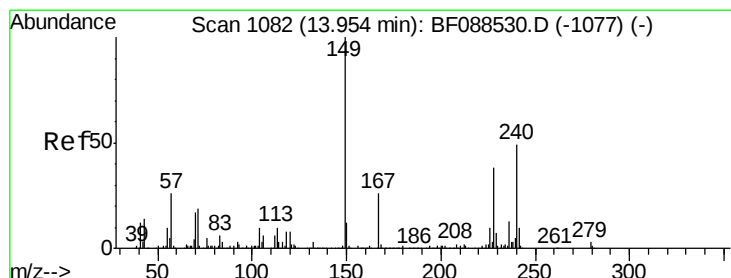
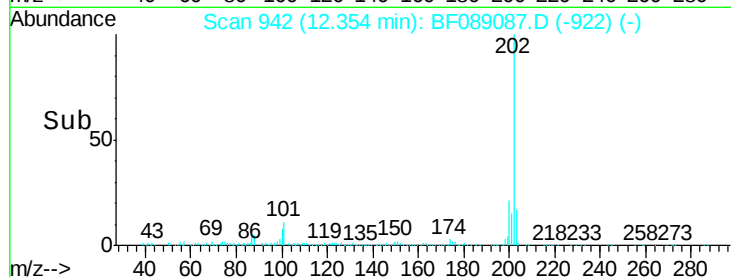
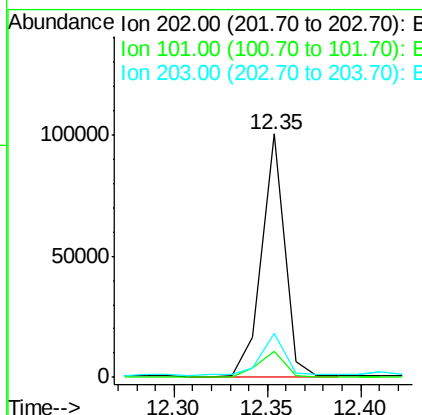
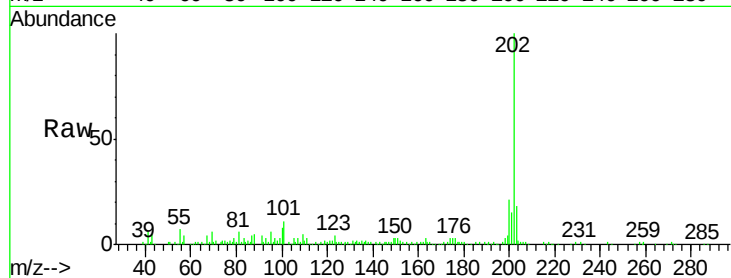




#74
 Fluoranthene
 Concen: 10.84 ng
 RT: 12.35 min Scan# 942
 Delta R.T. -0.07 min
 Lab File: BF089087.D
 Acq: 18 Jul 2016 17:39

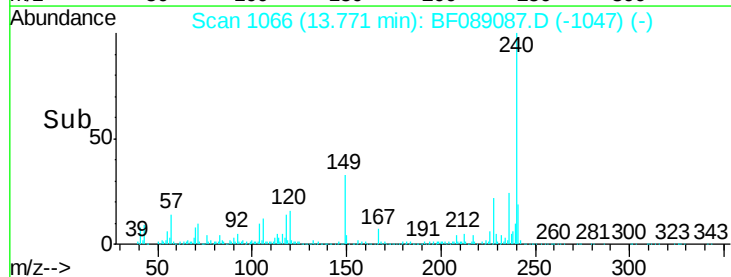
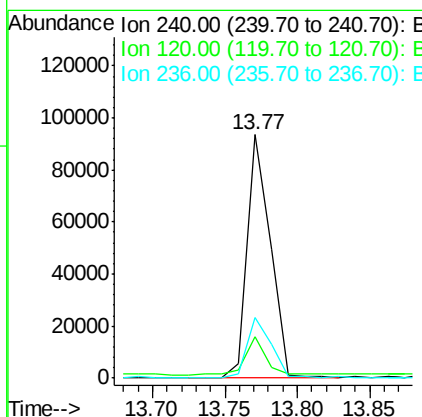
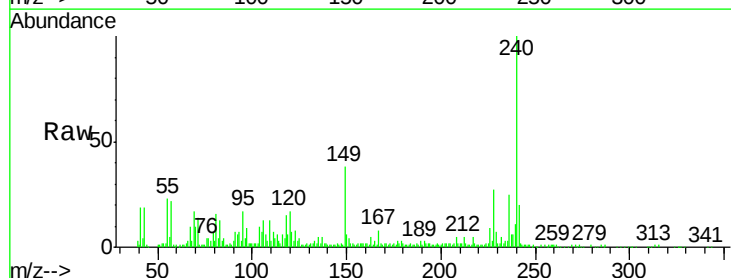
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB01(0-2in)

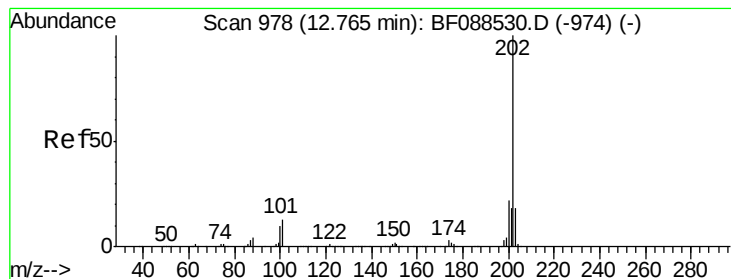
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	33.1
203	18.1	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. -0.08 min
 Lab File: BF089087.D
 Acq: 18 Jul 2016 17:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	17.2	6.8	10.2#
236	24.9	20.2	30.2





#77

Pyrene

Concen: 8.89 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.07 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB01(0-2in)

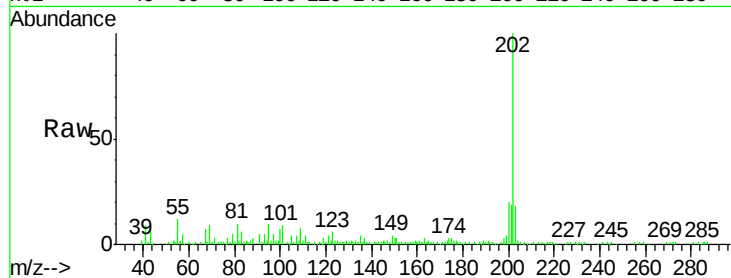
Tgt Ion:202 Resp: 78553

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

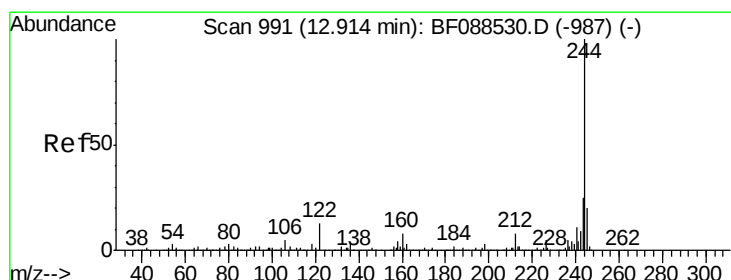
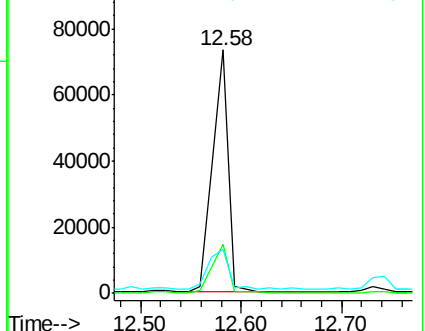
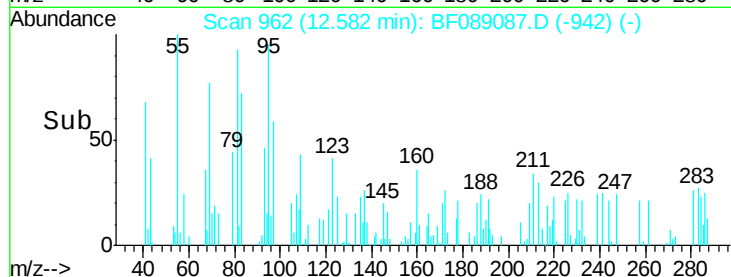
203 18.1 14.5 21.7



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: 37.48 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.07 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

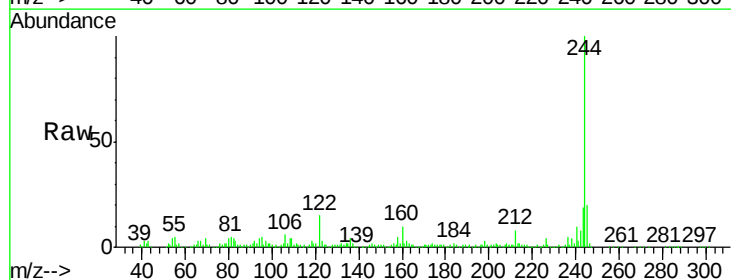
Tgt Ion:244 Resp: 175302

Ion Ratio Lower Upper

244 100

212 8.0 6.0 9.0

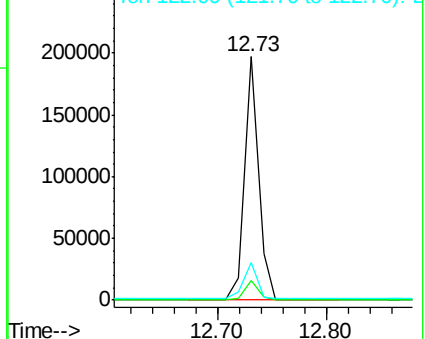
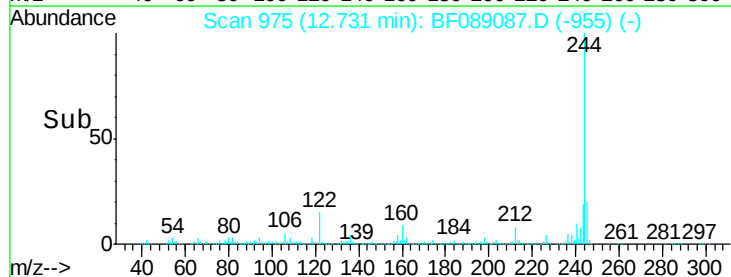
122 15.5 11.2 16.8

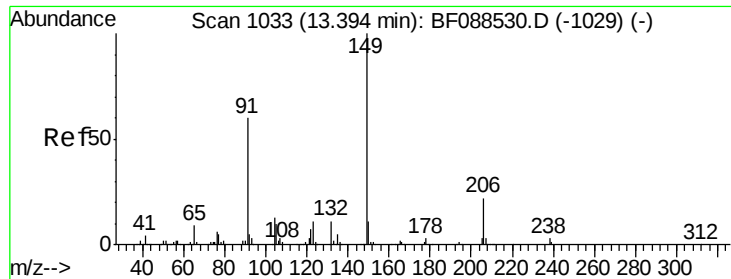


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

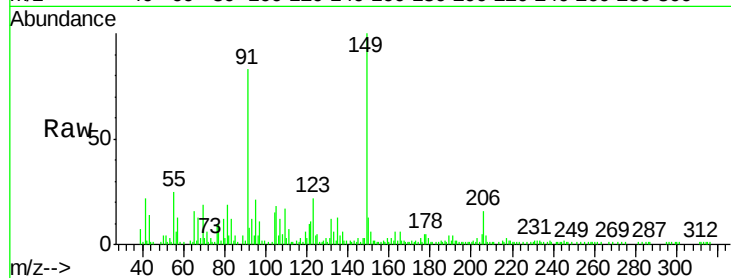




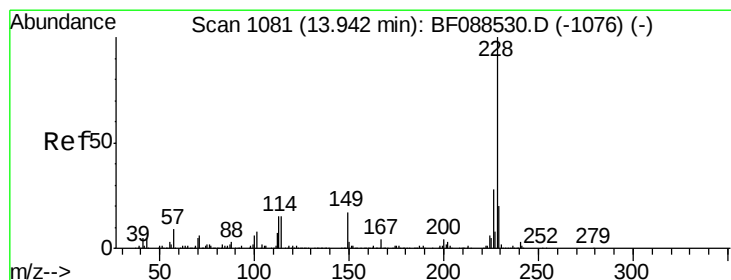
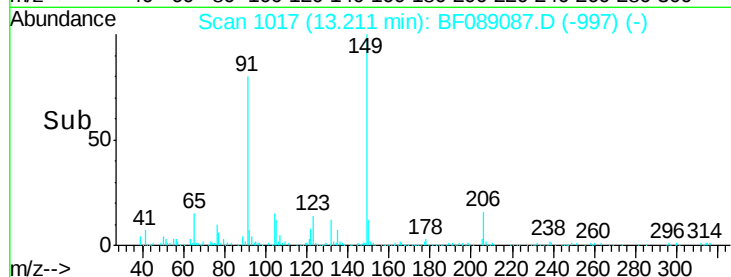
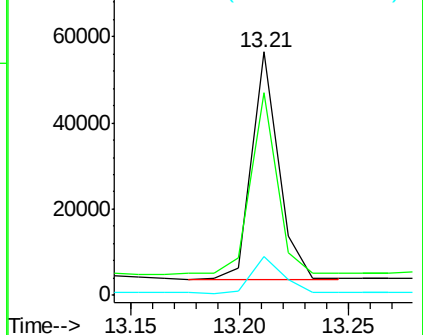
#79
Butylbenzylphthalate
Concen: 11.46 ng
RT: 13.21 min Scan# 1017
Delta R.T. -0.07 min
Lab File: BF089087.D
Acq: 18 Jul 2016 17:39

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB01(0-2in)

Tgt Ion:149 Resp: 45144
Ion Ratio Lower Upper
149 100
91 83.3 48.0 72.0#
206 16.0 16.0 24.0

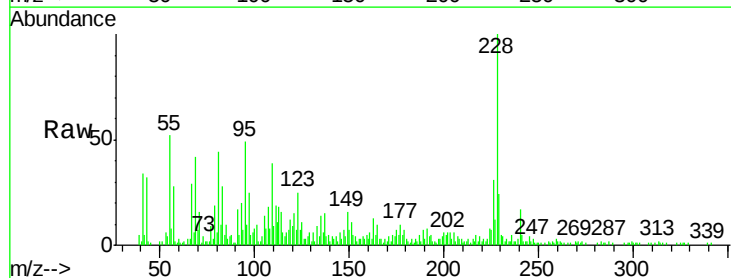


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

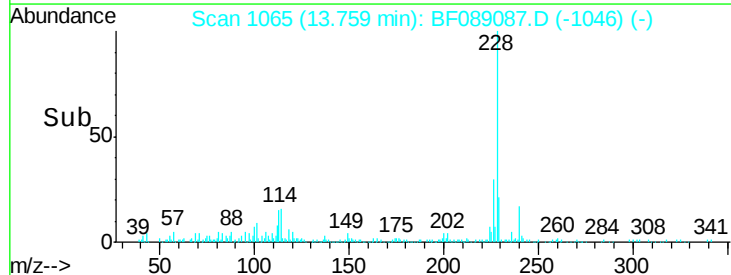
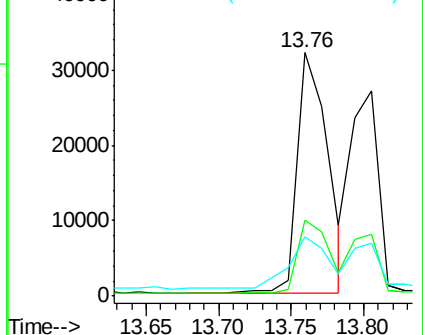


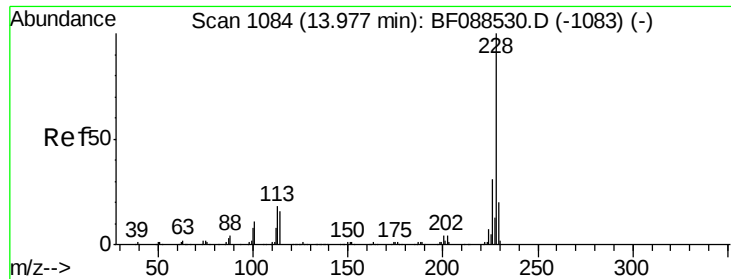
#80
Benzo(a)anthracene
Concen: 6.98 ng
RT: 13.76 min Scan# 1065
Delta R.T. -0.08 min
Lab File: BF089087.D
Acq: 18 Jul 2016 17:39

Tgt Ion:228 Resp: 46839
Ion Ratio Lower Upper
228 100
226 31.1 22.3 33.5
229 24.1 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: 7.06 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.11 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB01(0-2in)

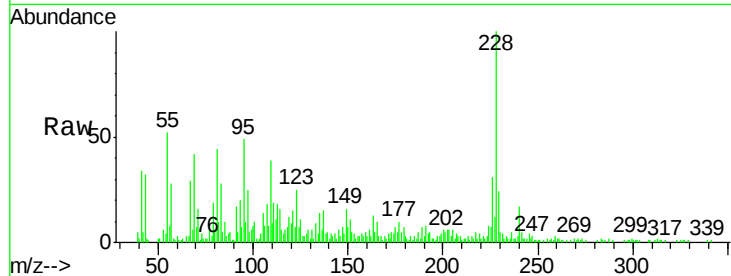
Tgt Ion:228 Resp: 46839

Ion Ratio Lower Upper

228 100

226 31.1 25.4 38.2

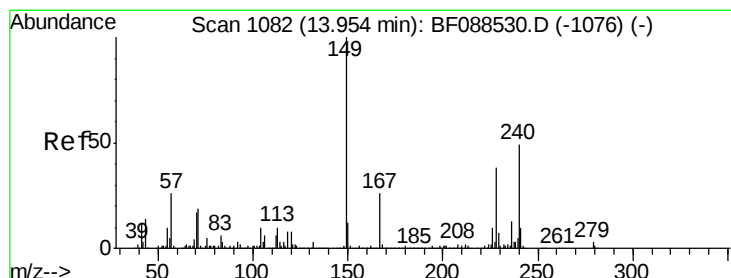
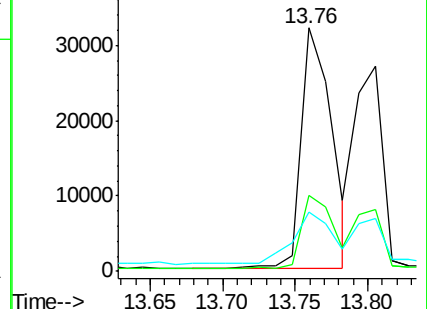
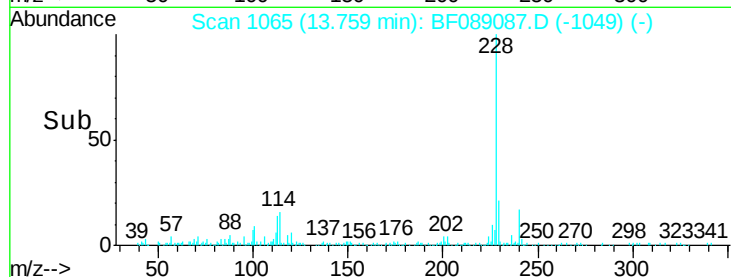
229 24.1 16.3 24.5



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 21.96 ng

RT: 13.78 min Scan# 1067

Delta R.T. -0.06 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

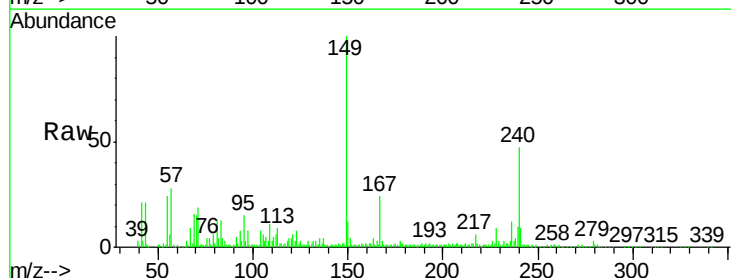
Tgt Ion:149 Resp: 98764

Ion Ratio Lower Upper

149 100

167 24.2 20.5 30.7

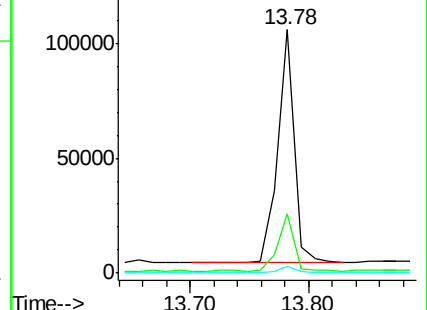
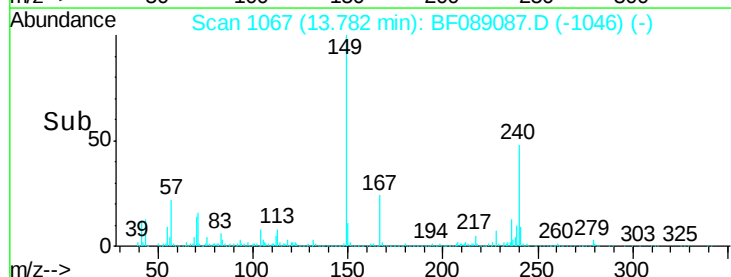
279 3.0 2.0 3.0#

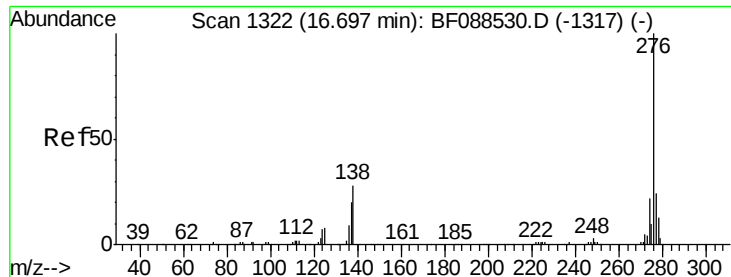


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

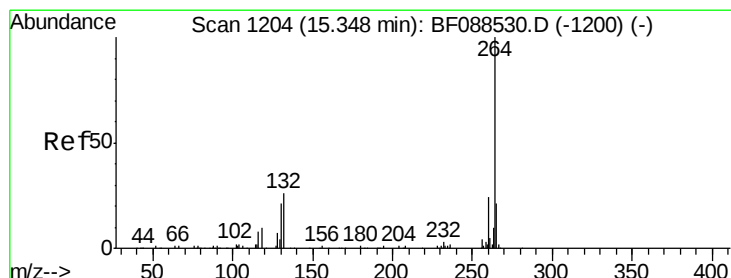
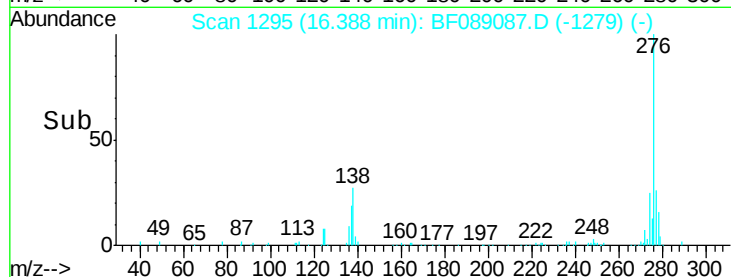
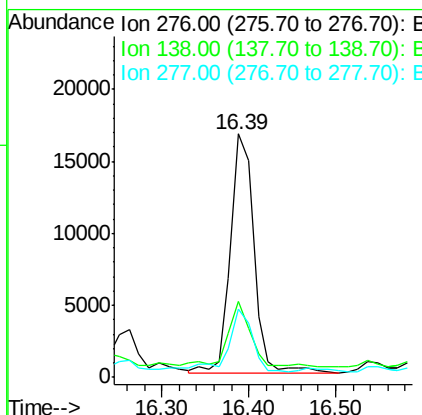
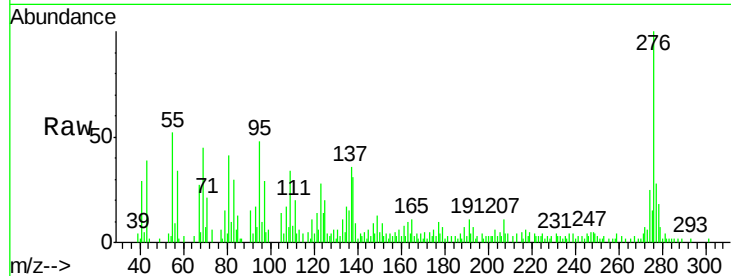




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.10 ng
 RT: 16.39 min Scan# 1295
 Delta R.T. -0.11 min
 Lab File: BF089087.D
 Acq: 18 Jul 2016 17:39

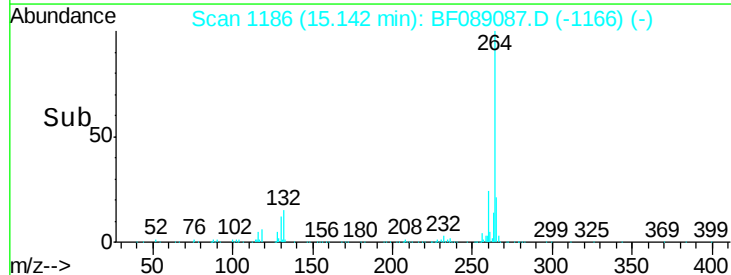
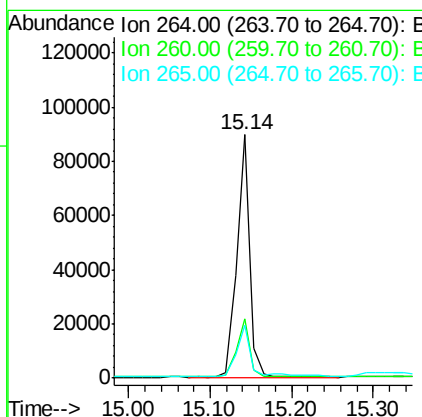
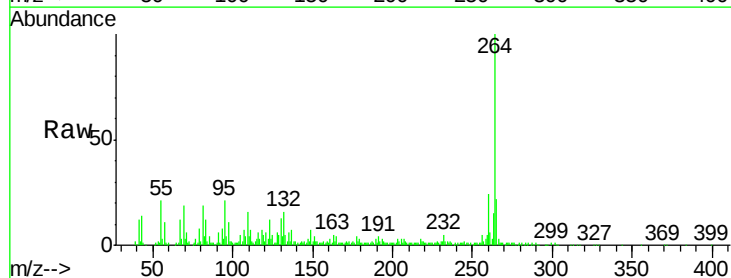
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB01(0-2in)

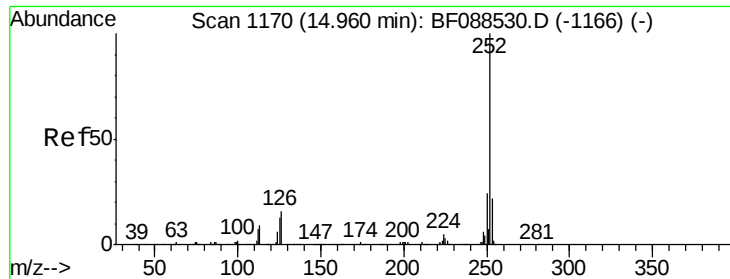
Tgt Ion:276 Resp: 31172
 Ion Ratio Lower Upper
 276 100
 138 27.3 0.0 0.0#
 277 27.1 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.14 min Scan# 1186
 Delta R.T. -0.07 min
 Lab File: BF089087.D
 Acq: 18 Jul 2016 17:39

Tgt Ion:264 Resp: 101478
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 21.6 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 13.32 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.07 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB01(0-2in)

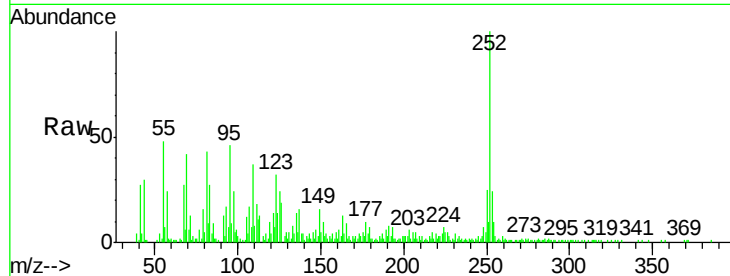
Tgt Ion:252 Resp: 84818

Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.2

125 23.8 7.1 10.7#

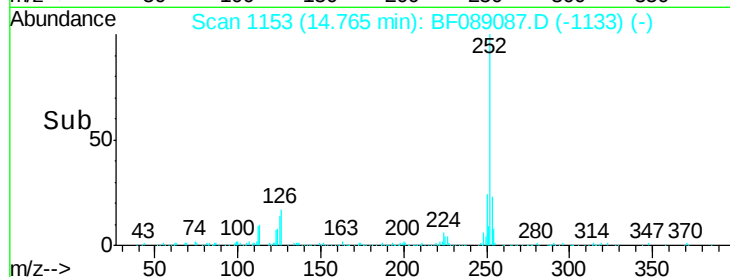


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



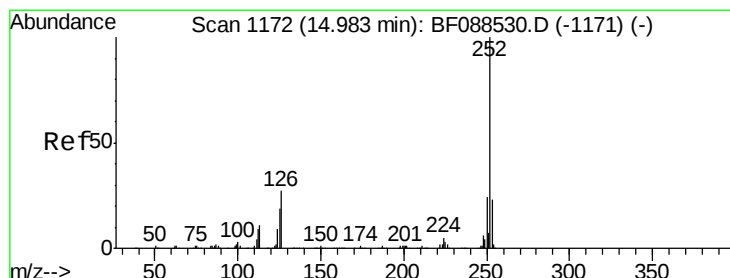
Abundance

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

Time-->



#88

Benzo(k)fluoranthene

Concen: 15.31 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.10 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

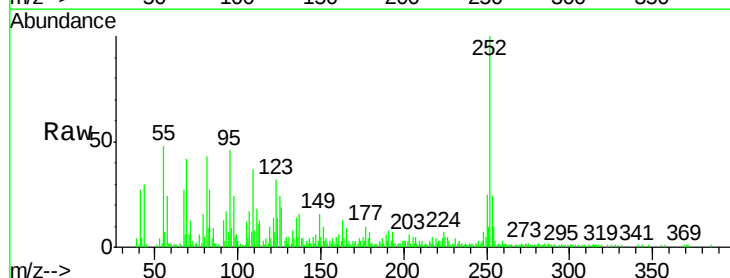
Tgt Ion:252 Resp: 84818

Ion Ratio Lower Upper

252 100

253 24.1 18.0 27.0

125 23.8 11.2 16.8#

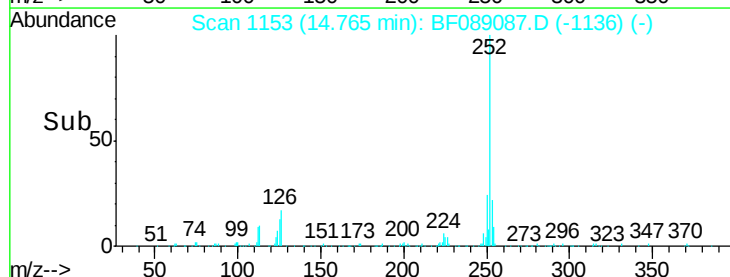


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



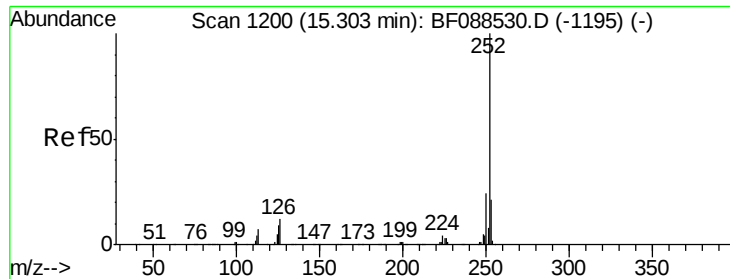
Abundance

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

Time-->



#89

Benzo(a)pyrene

Concen: 7.84 ng

RT: 15.09 min Scan# 1181

Delta R.T. -0.08 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

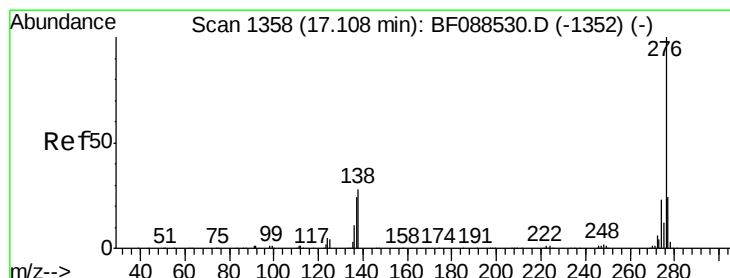
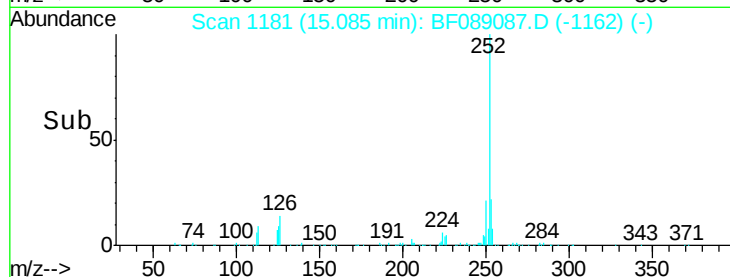
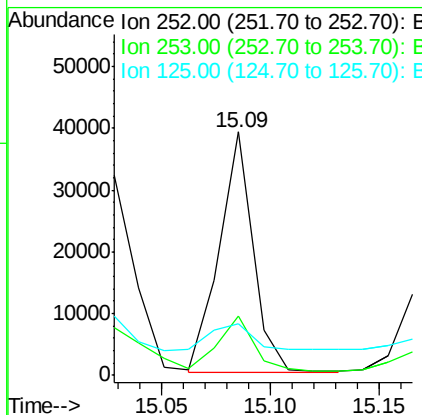
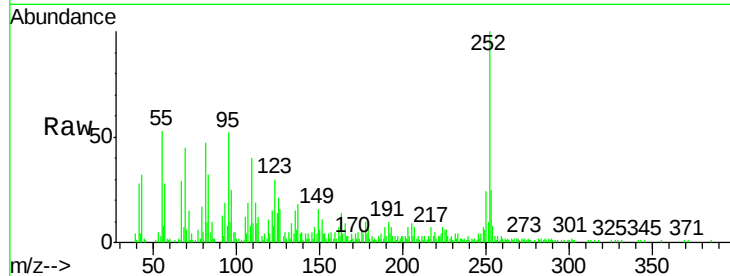
Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB01(0-2in)

Tgt Ion:	252	Resp:	42250
Ion Ratio		Lower	Upper
252	100		
253	24.6	17.9	26.9
125	21.0	12.5	18.7#



#91

Benzo(g,h,i)perylene

Concen: 8.95 ng

RT: 16.77 min Scan# 1328

Delta R.T. -0.13 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

Tgt Ion:	276	Resp:	41669
Ion Ratio		Lower	Upper
276	100		
277	25.4	18.9	28.3
138	30.8	21.4	32.2

