

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071416\
 Data File : BF089007.D
 Acq On : 15 Jul 2016 1:51
 Operator : UM/SJ
 Sample : H3995-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB12(0-2in)

Quant Time: Jul 15 03:49:05 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	48720	20.00	ng	-0.02
21) Naphthalene-d8	7.98	136	186925	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	66949	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	132582	20.00	ng	-0.02
75) Chrysene-d12	13.82	240	91862	20.00	ng	-0.03
86) Perylene-d12	15.19	264	65716	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	439184	135.10	ng	0.00
7) Phenol-d6	6.34	99	572025	136.18	ng	-0.01
23) Nitrobenzene-d5	7.26	82	320197	89.77	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	84307	135.61	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	456471	107.70	ng	-0.02
78) Terphenyl-d14	12.78	244	356682	86.48	ng	-0.02

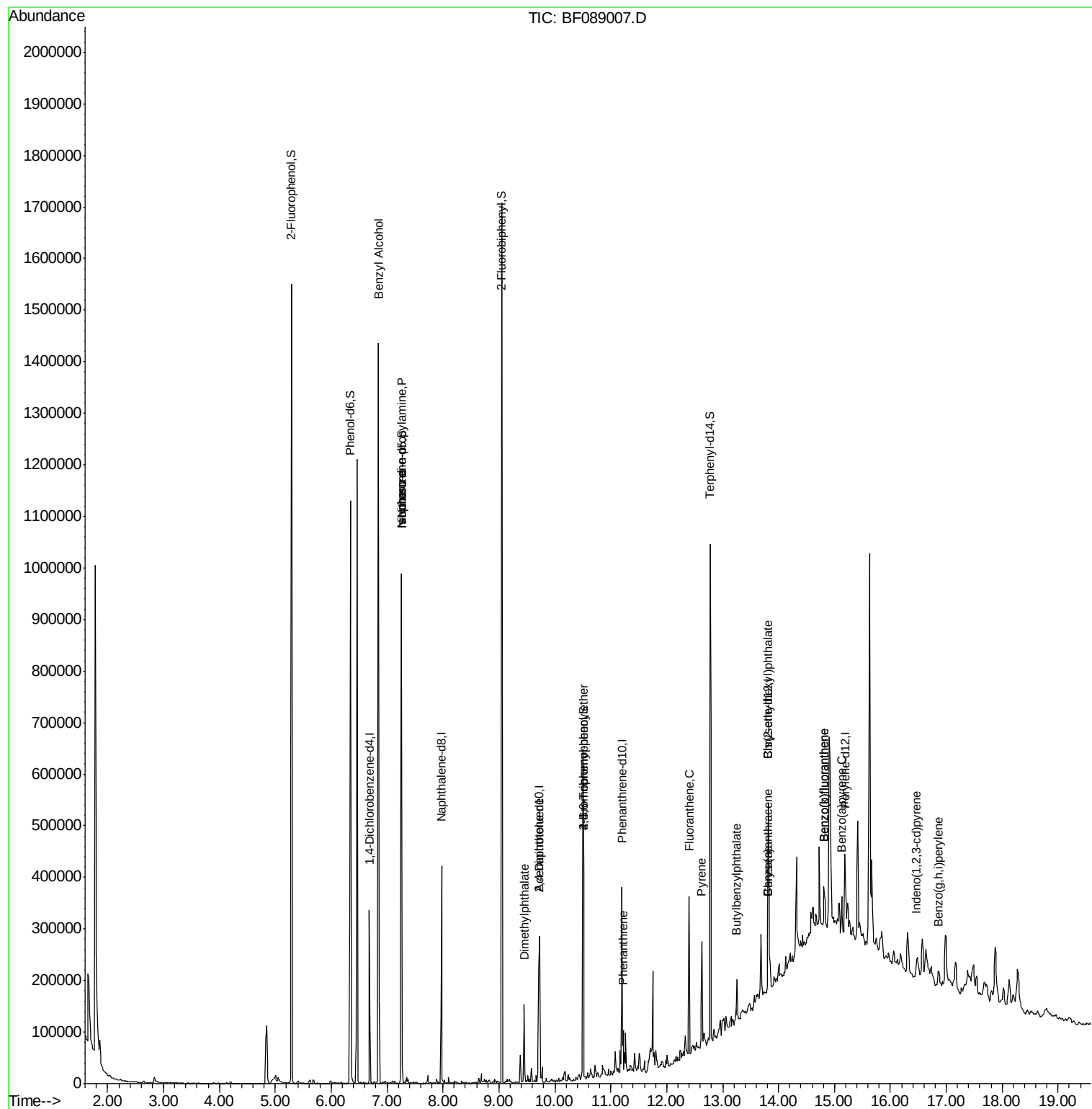
Target Compounds						Qvalue
15) Benzyl Alcohol	6.84	79	7653	2.48	ng	# 63
19) n-Nitroso-di-n-propylamine	7.26	70	44529	15.78	ng	# 73
25) Isophorone	7.26	82	247509	37.46	ng	# 65
49) Dimethylphthalate	9.45	163	74423	15.60	ng	99
56) 2,4-Dinitrotoluene	9.72	165	8943	6.47	ng	# 36
66) 4-Bromophenyl-phenylether	10.51	248	6306	4.72	ng	# 1
70) Phenanthrene	11.22	178	32287	4.45	ng	97
74) Fluoranthene	12.40	202	79247	10.79	ng	99
77) Pyrene	12.63	202	80685	10.36	ng	97
79) Butylbenzylphthalate	13.26	149	17829	5.13	ng	# 83
80) Benzo(a)anthracene	13.81	228	38395	6.49	ng	# 90
82) Chrysene	13.81	228	38395	6.56	ng	95
83) Bis(2-ethylhexyl)phthalate	13.82	149	18278	4.61	ng	99
85) Indeno(1,2,3-cd)pyrene	16.47	276	15773	3.50	ng	# 100
87) Benzo(b)fluoranthene	14.81	252	47671	11.56	ng	# 84
88) Benzo(k)fluoranthene	14.81	252	47671	13.28	ng	# 88
89) Benzo(a)pyrene	15.13	252	24501	7.02	ng	# 88
91) Benzo(g,h,i)perylene	16.86	276	17204	5.70	ng	92

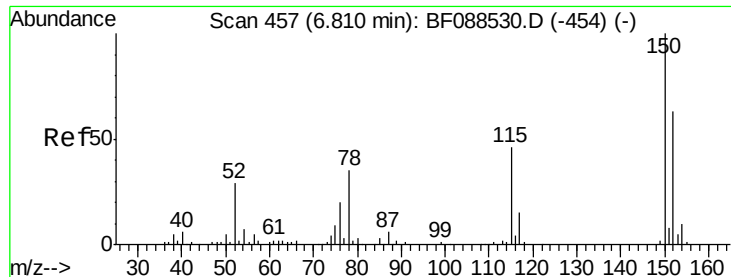
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.02 min

Lab File: BF089007.D

Acq: 15 Jul 2016 1:51

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB12(0-2in)

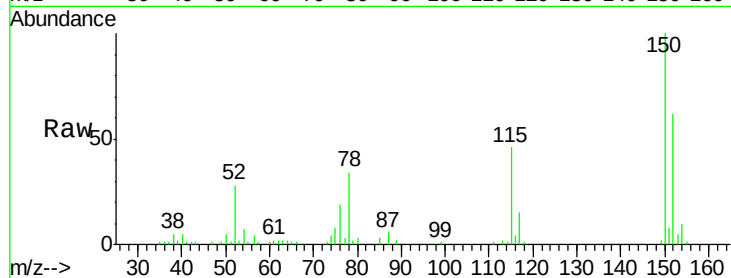
Tgt Ion:152 Resp: 48720

Ion Ratio Lower Upper

152 100

150 160.6 123.8 185.6

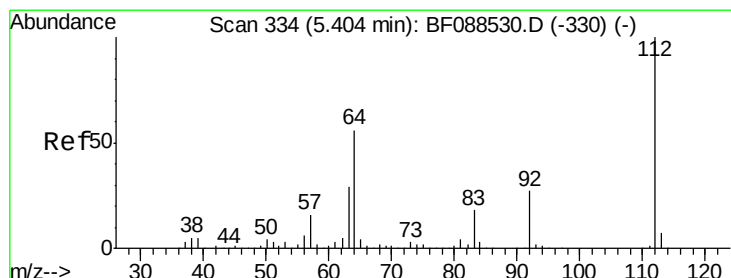
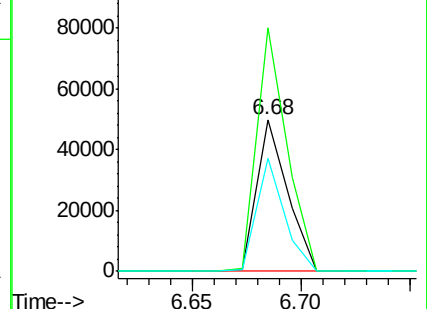
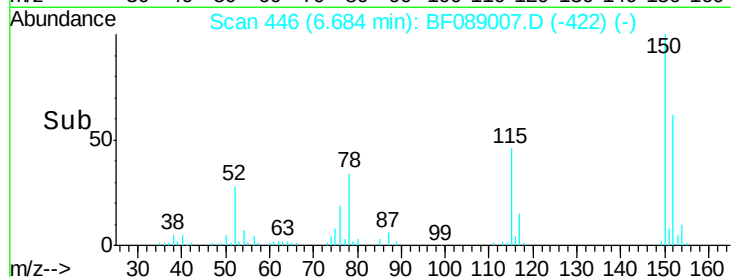
115 74.5 39.6 59.4#



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: 135.10 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.00 min

Lab File: BF089007.D

Acq: 15 Jul 2016 1:51

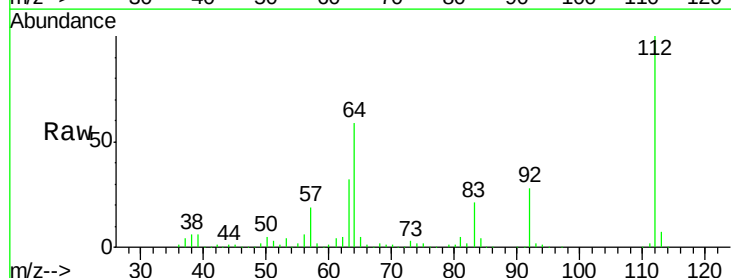
Tgt Ion:112 Resp: 439184

Ion Ratio Lower Upper

112 100

64 59.3 42.2 63.2

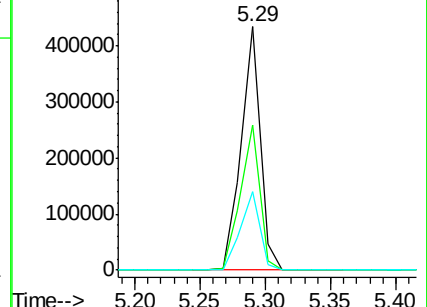
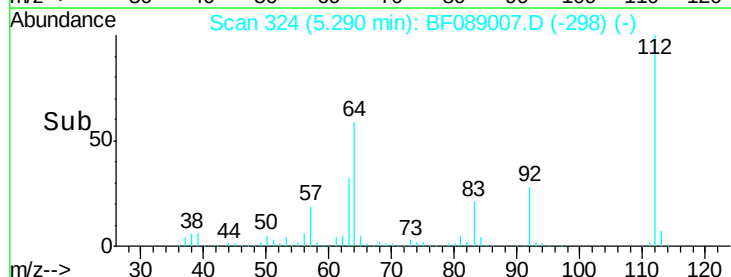
63 32.0 21.8 32.8

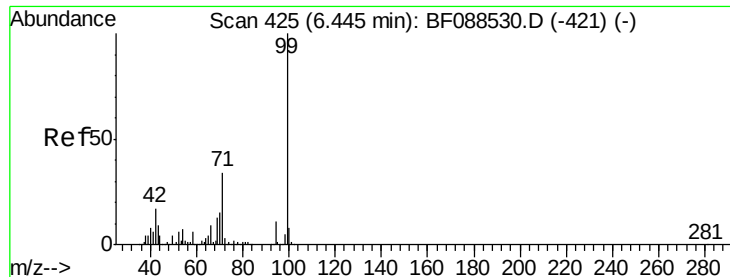


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 136.18 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF089007.D

Acq: 15 Jul 2016 1:51

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB12(0-2in)

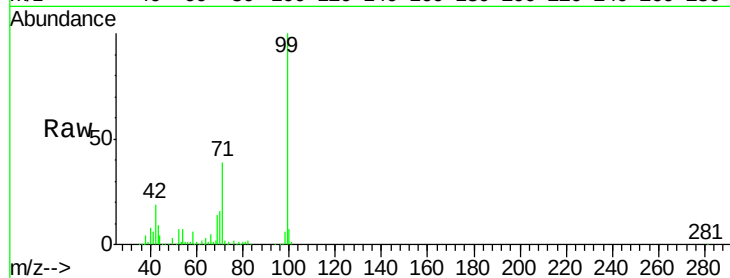
Tgt Ion: 99 Resp: 572025

Ion Ratio Lower Upper

99 100

42 19.0 12.2 18.2#

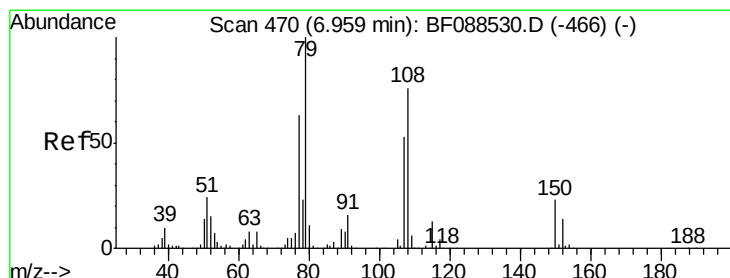
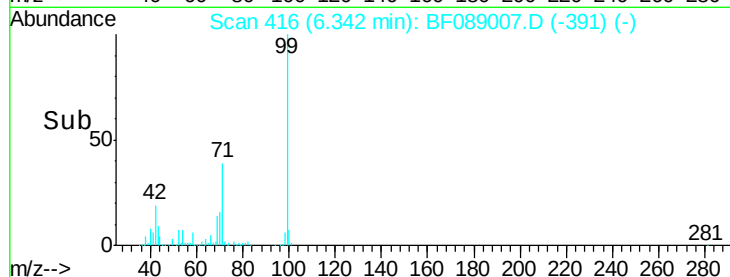
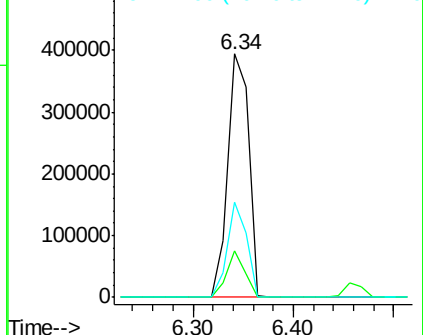
71 39.3 23.4 35.0#



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



#15

Benzyl Alcohol

Concen: 2.48 ng

RT: 6.84 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF089007.D

Acq: 15 Jul 2016 1:51

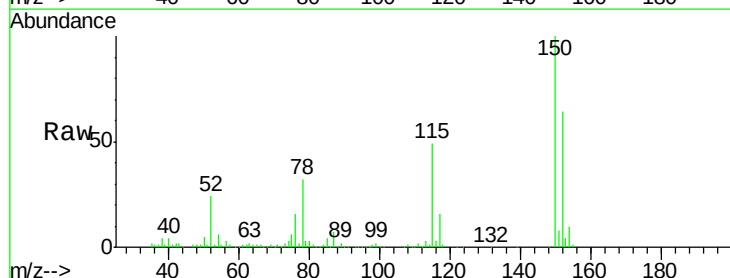
Tgt Ion: 79 Resp: 7653

Ion Ratio Lower Upper

79 100

108 48.4 65.0 97.6#

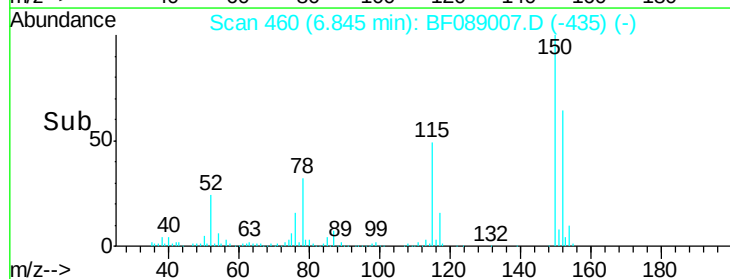
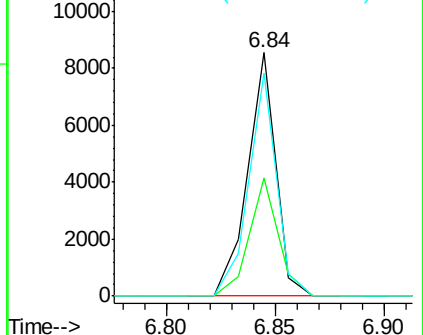
77 91.4 50.3 75.5#

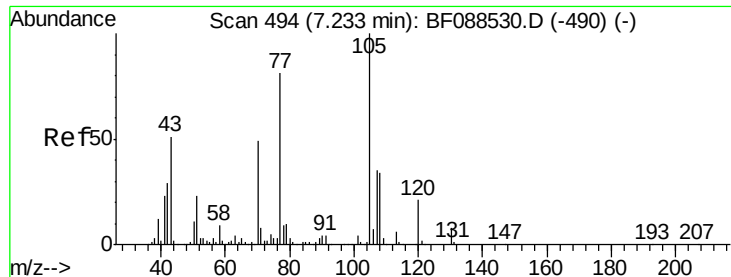


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

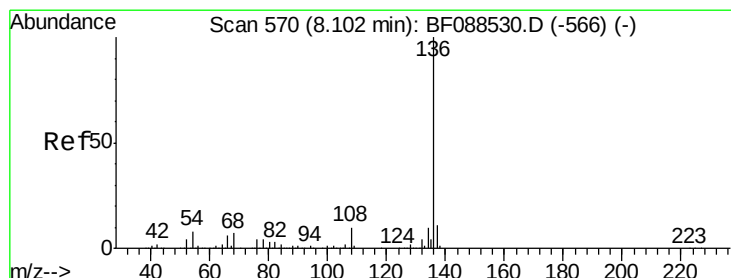
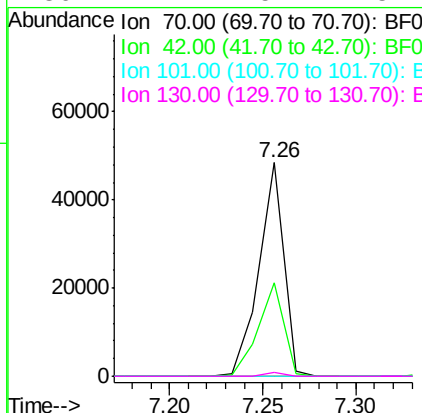
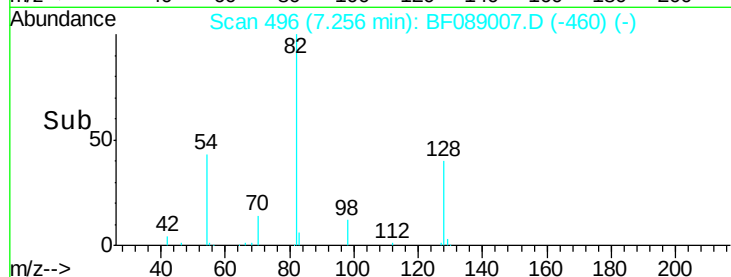
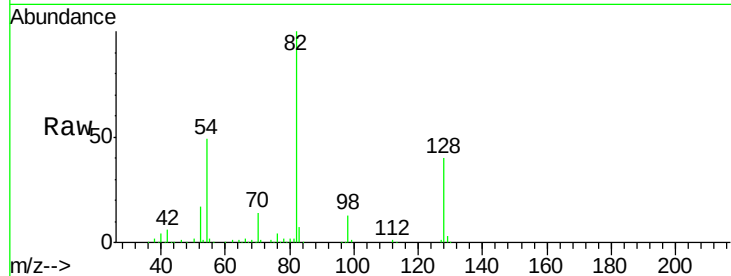




#19
n-Nitroso-di-n-propylamine
Concen: 15.78 ng
RT: 7.26 min Scan# 496
Delta R.T. 0.11 min
Lab File: BF089007.D
Acq: 15 Jul 2016 1:51

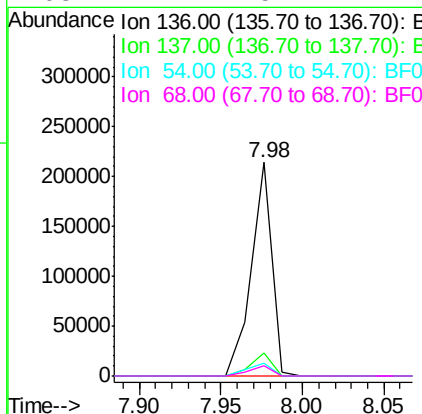
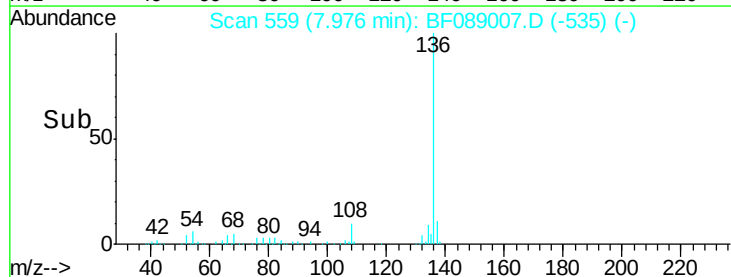
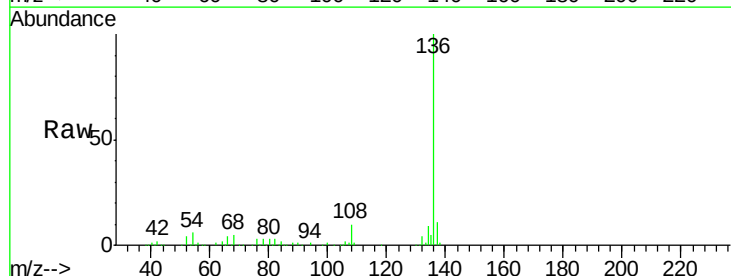
Instrument :
BNA_F
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LSS-SB-SB12(0-2in)

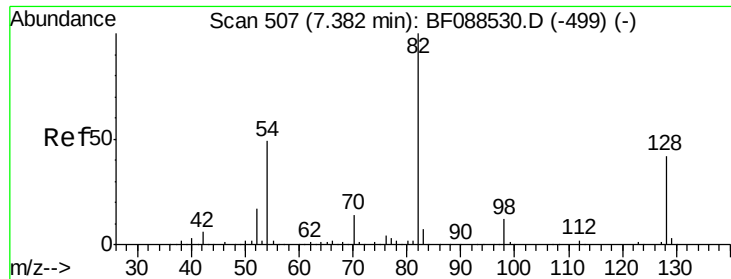
Tgt Ion: 70 Resp: 44529
Ion Ratio Lower Upper
70 100
42 43.9 49.6 74.4#
101 0.0 7.1 10.7#
130 2.1 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF089007.D
Acq: 15 Jul 2016 1:51

Tgt Ion: 136 Resp: 186925
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 5.9 6.6 10.0#
68 4.7 5.1 7.7#

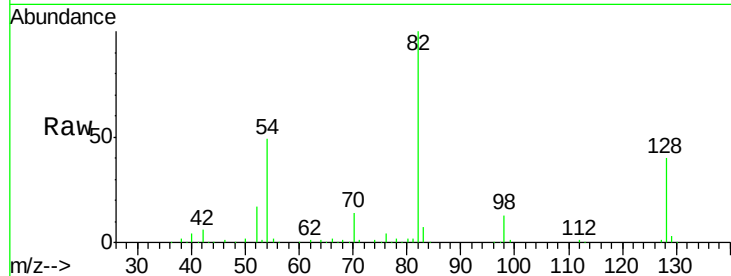




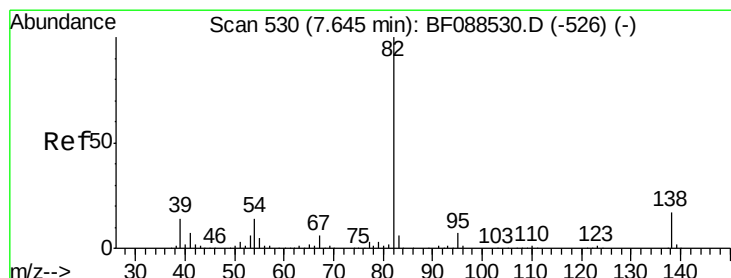
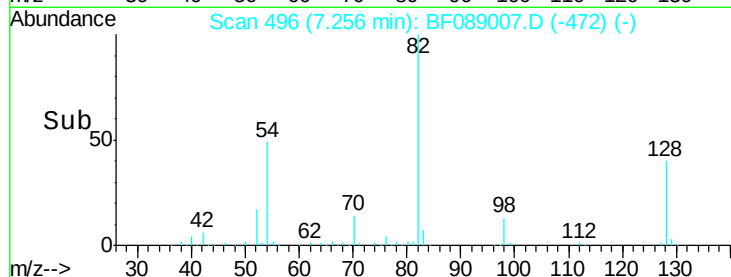
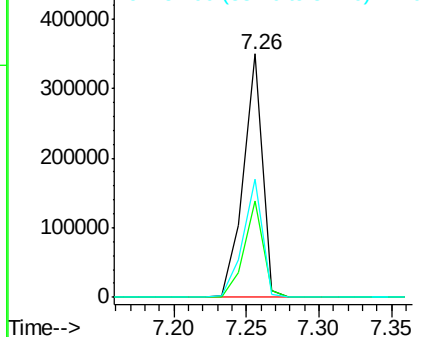
#23
 Nitrobenzene-d5
 Concen: 89.77 ng
 RT: 7.26 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: BF089007.D
 Acq: 15 Jul 2016 1:51

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB12(0-2in)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.7	35.9	53.9
54	48.7	40.9	61.3

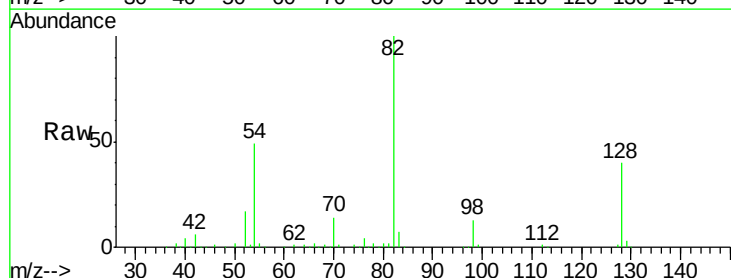


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

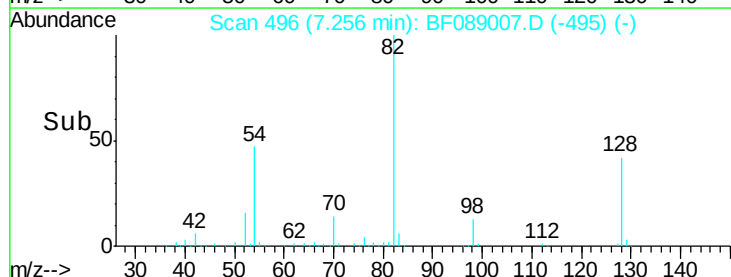
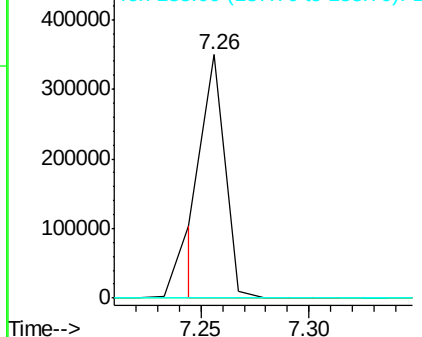


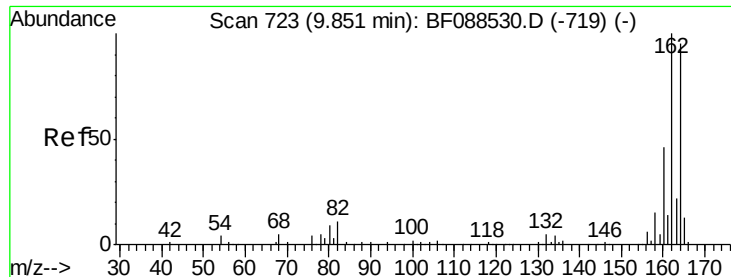
#25
 Isophorone
 Concen: 37.46 ng
 RT: 7.26 min Scan# 496
 Delta R.T. -0.29 min
 Lab File: BF089007.D
 Acq: 15 Jul 2016 1:51

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.2#
138	0.0	14.6	21.8#



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): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.02 min

Lab File: BF089007.D

Acq: 15 Jul 2016 1:51

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB12(0-2in)

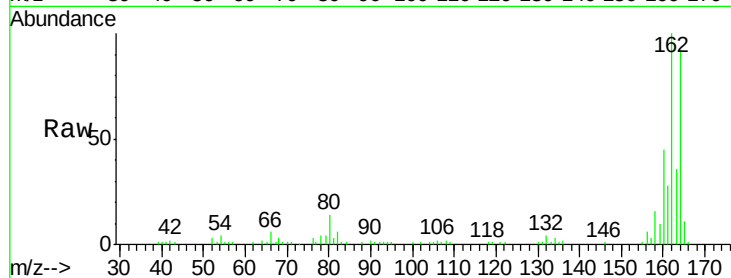
Tgt Ion:164 Resp: 66949

Ion Ratio Lower Upper

164 100

162 108.3 85.4 128.2

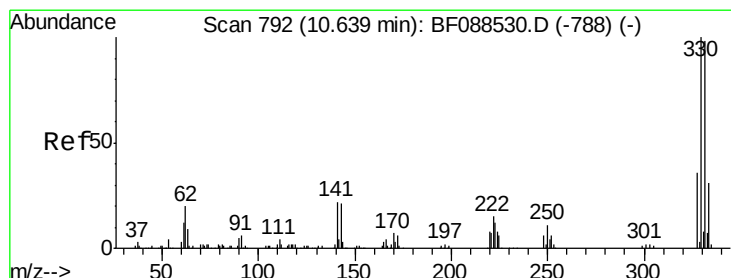
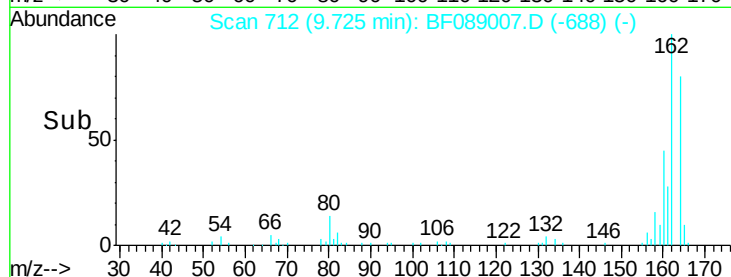
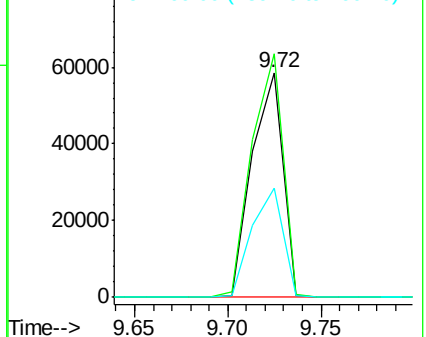
160 48.7 39.5 59.3



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: 135.61 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.02 min

Lab File: BF089007.D

Acq: 15 Jul 2016 1:51

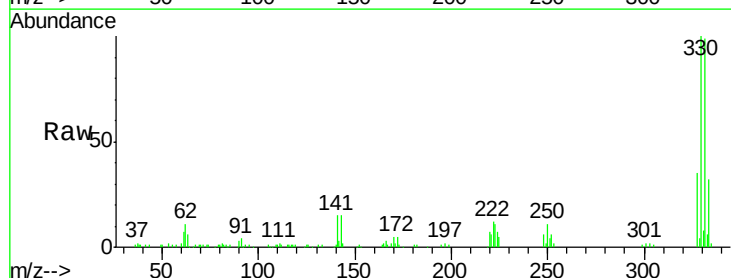
Tgt Ion:330 Resp: 84307

Ion Ratio Lower Upper

330 100

332 97.3 0.0 0.0#

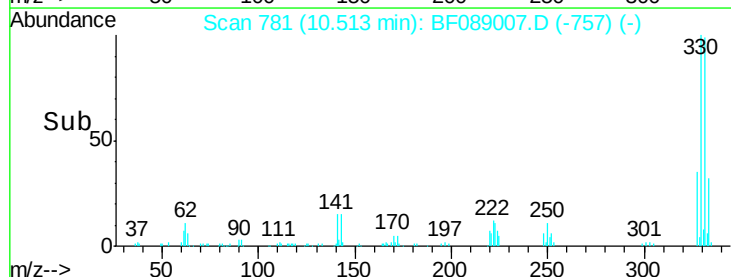
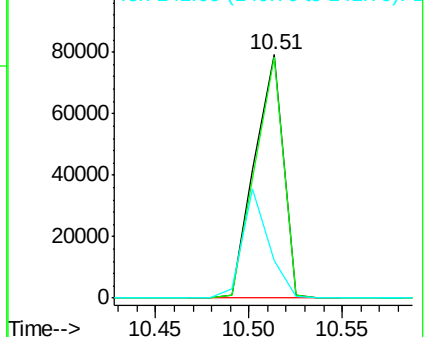
141 41.5 0.0 0.0#

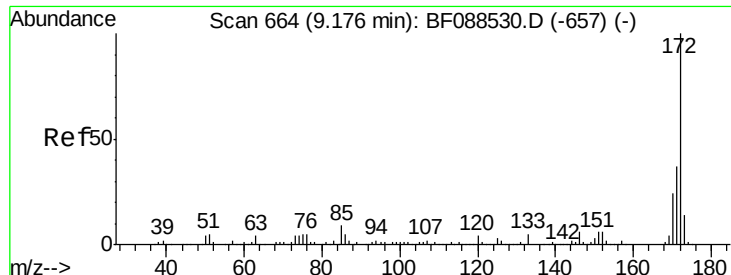


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

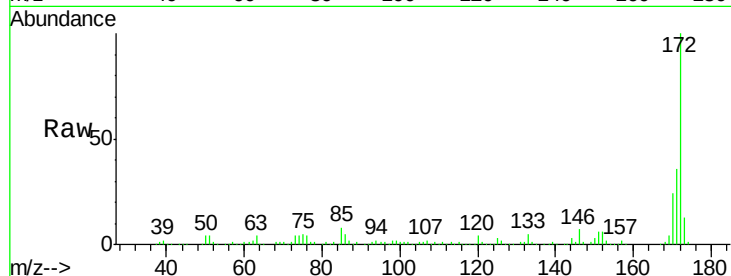




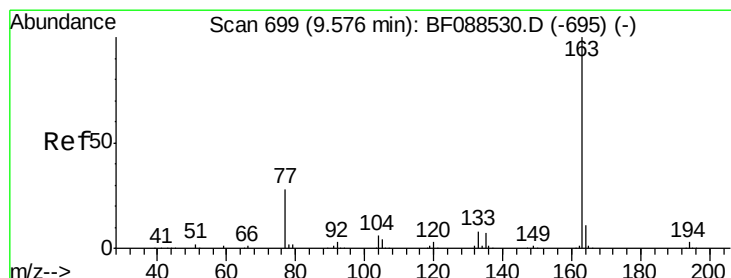
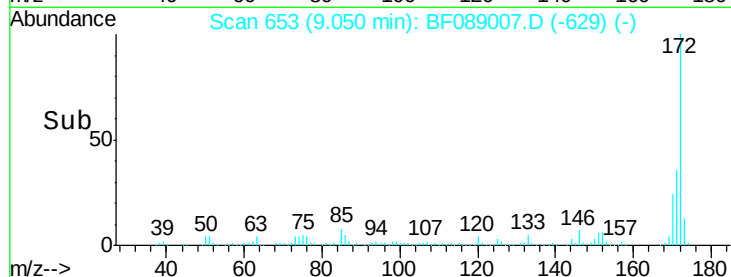
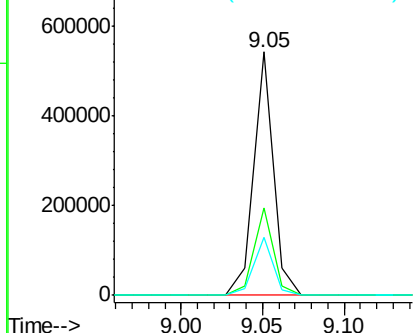
#44
 2-Fluorobiphenyl
 Concen: 107.70 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF089007.D
 Acq: 15 Jul 2016 1:51

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB12(0-2in)

Tgt Ion:172 Resp: 456471
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 23.7 19.2 28.8

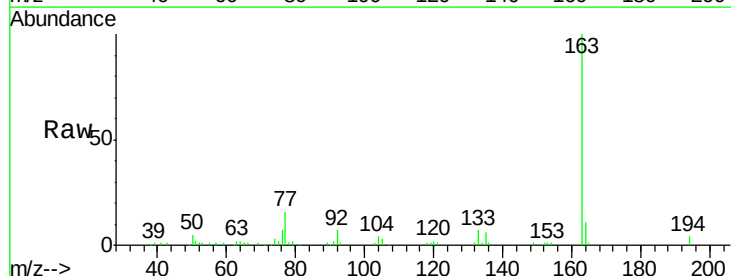


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

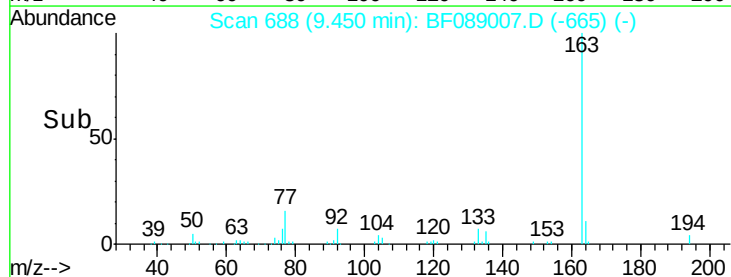
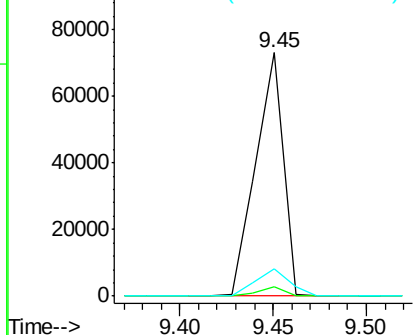


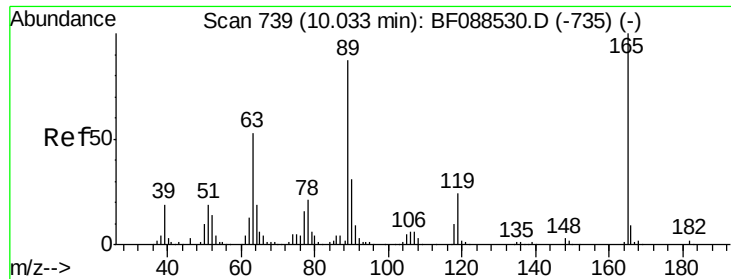
#49
 Dimethylphthalate
 Concen: 15.60 ng
 RT: 9.45 min Scan# 688
 Delta R.T. -0.03 min
 Lab File: BF089007.D
 Acq: 15 Jul 2016 1:51

Tgt Ion:163 Resp: 74423
 Ion Ratio Lower Upper
 163 100
 194 3.7 2.8 4.2
 164 11.0 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

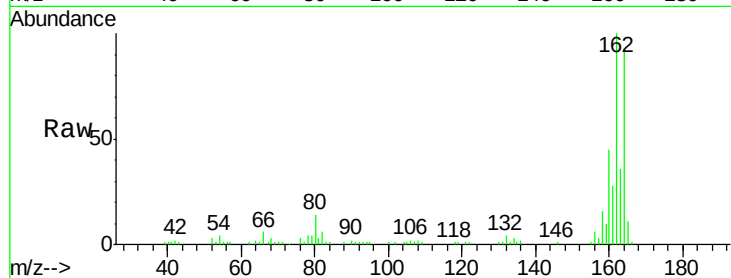




#56
 2,4-Dinitrotoluene
 Concen: 6.47 ng
 RT: 9.72 min Scan# 712
 Delta R.T. -0.22 min
 Lab File: BF089007.D
 Acq: 15 Jul 2016 1:51

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB12(0-2in)

Tgt Ion:	165	Resp:	8943
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#

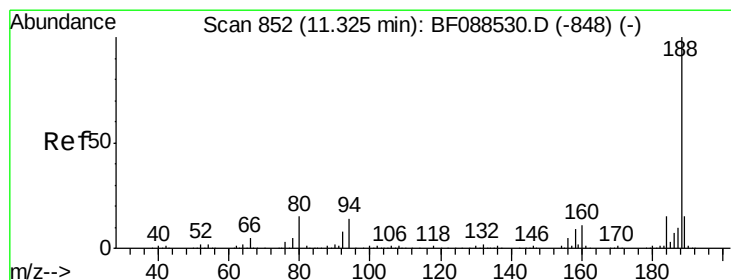
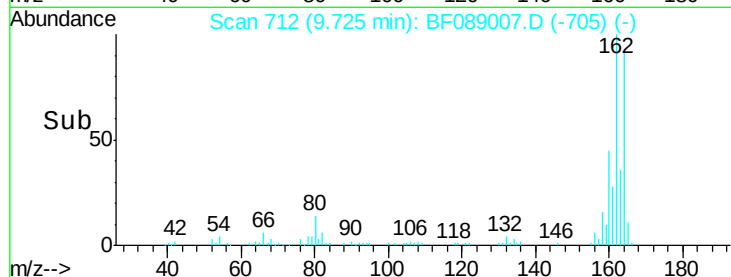
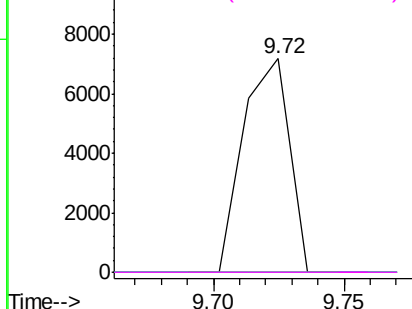


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

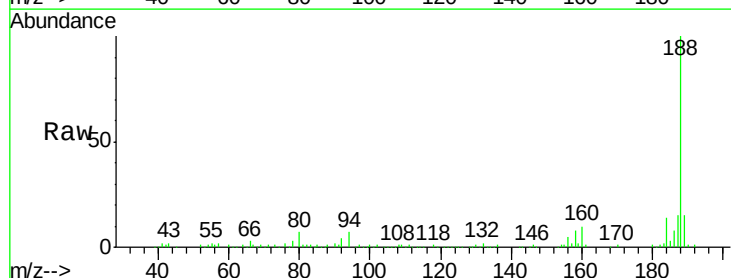
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 841
 Delta R.T. -0.02 min
 Lab File: BF089007.D
 Acq: 15 Jul 2016 1:51

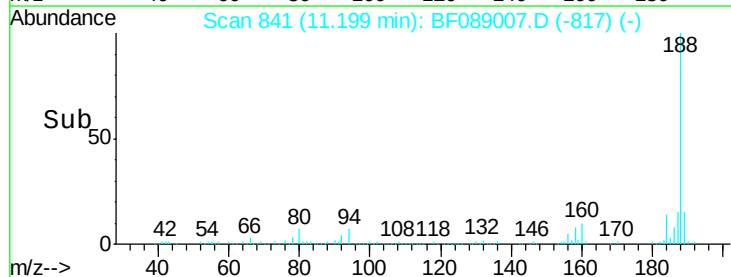
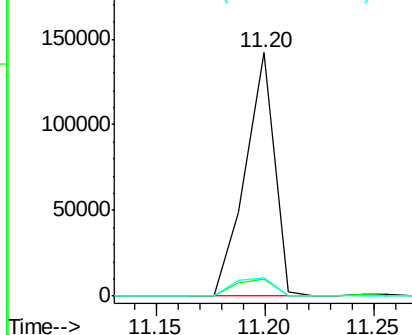
Tgt Ion:	188	Resp:	132582
Ion	Ratio	Lower	Upper
188	100		
94	6.9	9.0	13.6#
80	7.3	10.0	15.0#

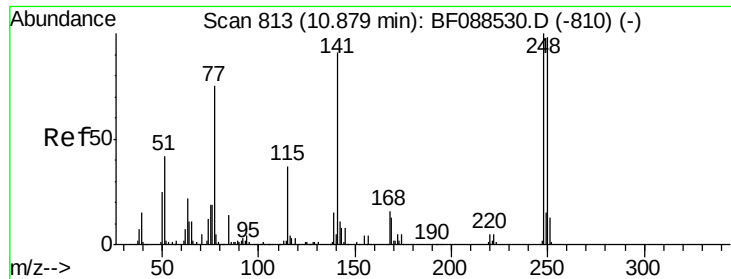


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

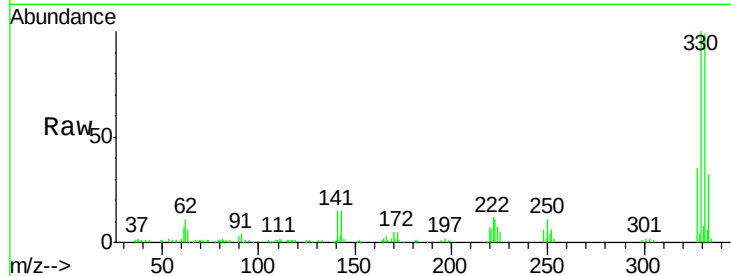




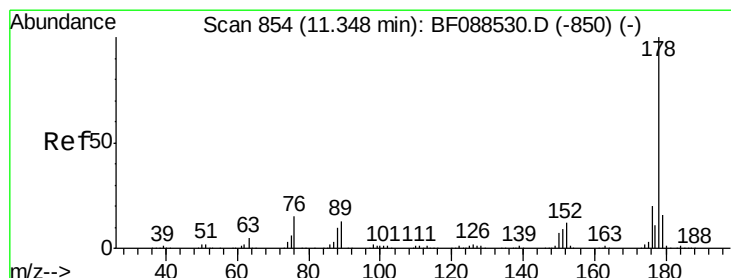
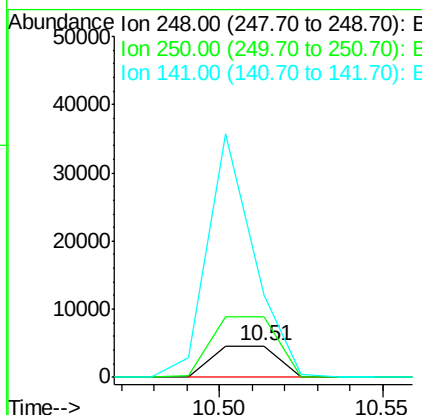
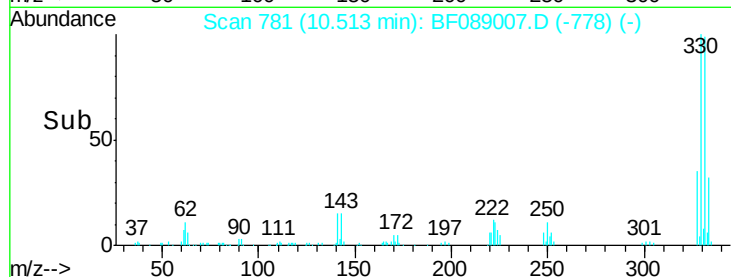
#66
 4-Bromophenyl-phenylether
 Concen: 4.72 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.26 min
 Lab File: BF089007.D
 Acq: 15 Jul 2016 1:51

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB12(0-2in)

Tgt Ion:248 Resp: 6306
 Ion Ratio Lower Upper
 248 100
 250 193.6 77.1 115.7#
 141 260.5 50.6 76.0#

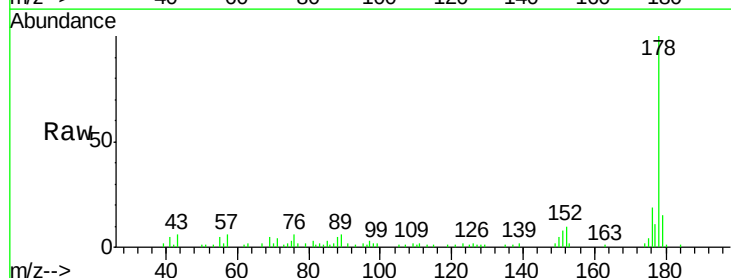


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

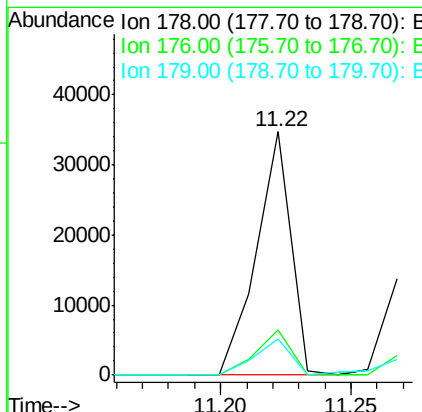
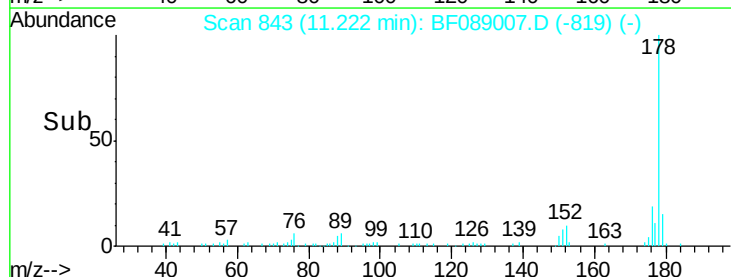


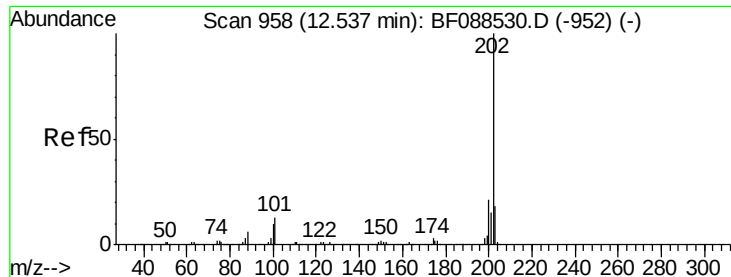
#70
 Phenanthrene
 Concen: 4.45 ng
 RT: 11.22 min Scan# 843
 Delta R.T. -0.02 min
 Lab File: BF089007.D
 Acq: 15 Jul 2016 1:51

Tgt Ion:178 Resp: 32287
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.6
 179 15.0 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: 10.79 ng

RT: 12.40 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF089007.D

Acq: 15 Jul 2016 1:51

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB12(0-2in)

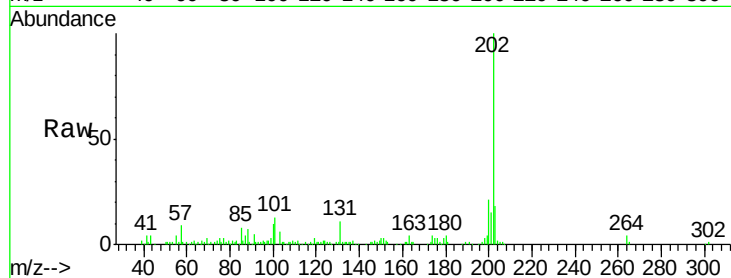
Tgt Ion:202 Resp: 79247

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.1

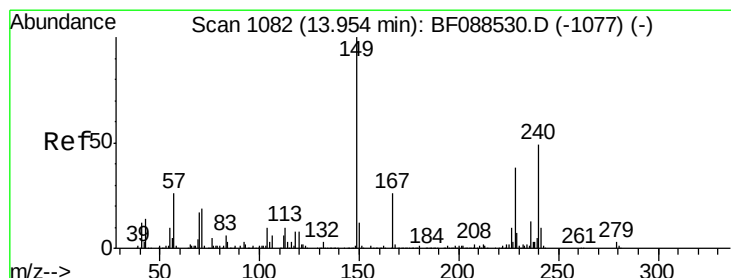
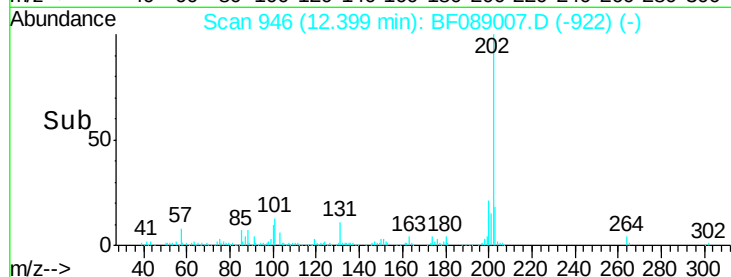
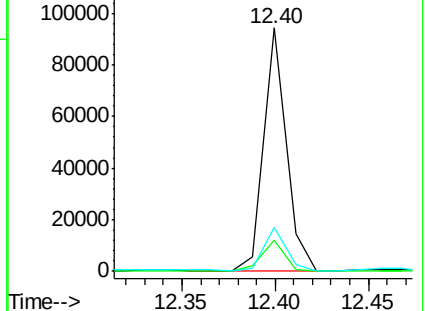
203 17.9 0.0 38.1



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: BF089007.D

Acq: 15 Jul 2016 1:51

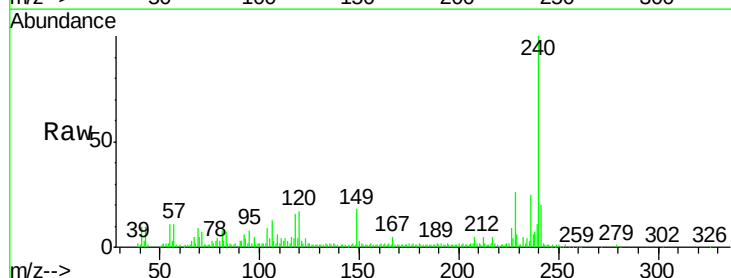
Tgt Ion:240 Resp: 91862

Ion Ratio Lower Upper

240 100

120 17.2 6.8 10.2#

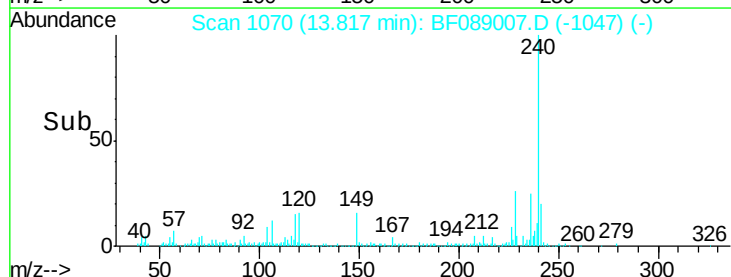
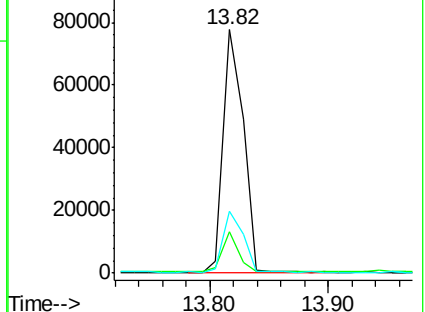
236 25.3 20.2 30.2

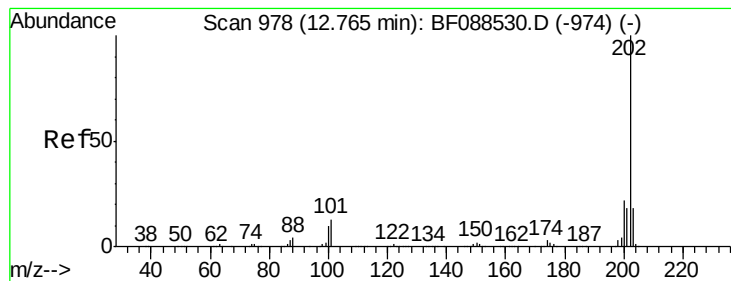


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 10.36 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF089007.D

Acq: 15 Jul 2016 1:51

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB12(0-2in)

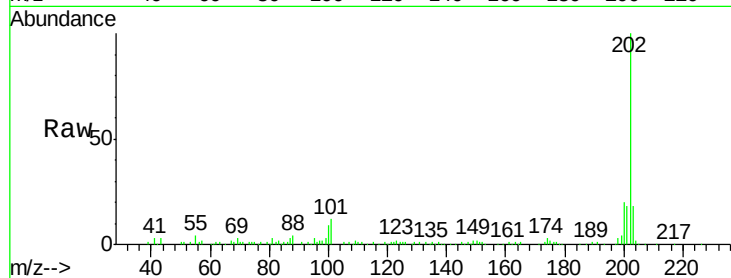
Tgt Ion: 202 Resp: 80685

Ion Ratio Lower Upper

202 100

200 19.6 17.4 26.2

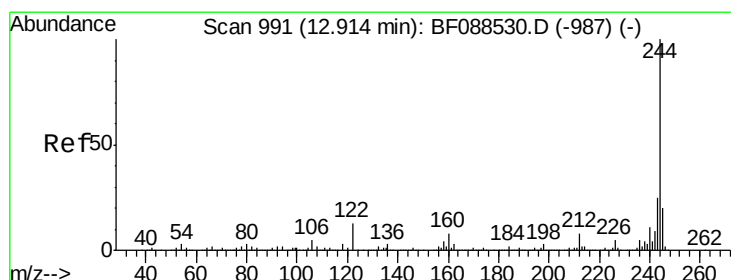
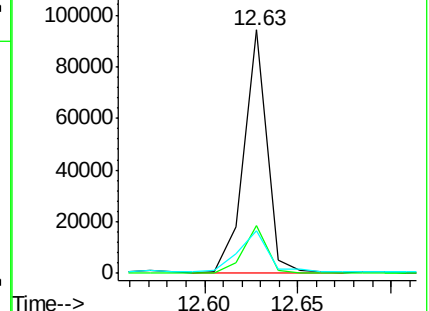
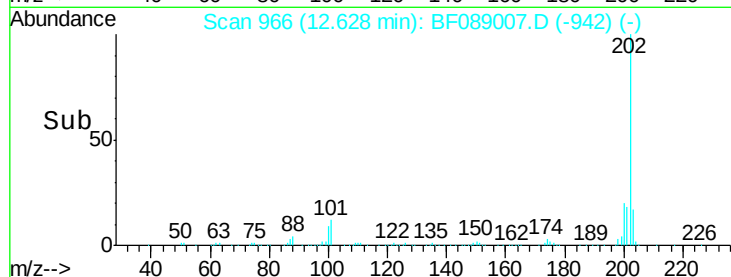
203 17.5 14.5 21.7



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: 86.48 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.02 min

Lab File: BF089007.D

Acq: 15 Jul 2016 1:51

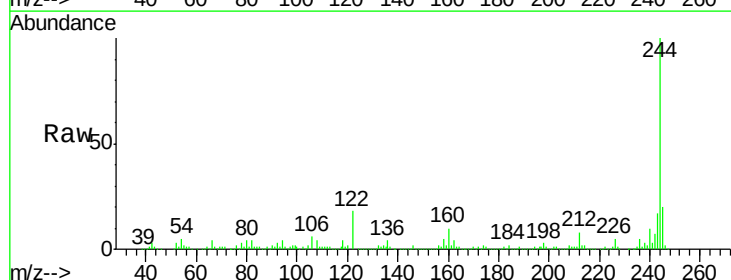
Tgt Ion: 244 Resp: 356682

Ion Ratio Lower Upper

244 100

212 8.3 6.0 9.0

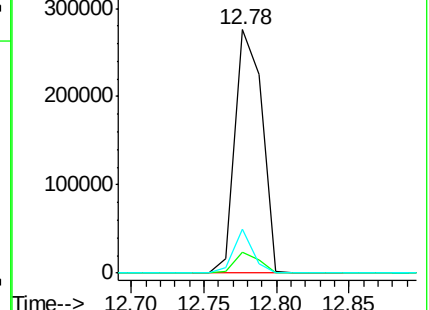
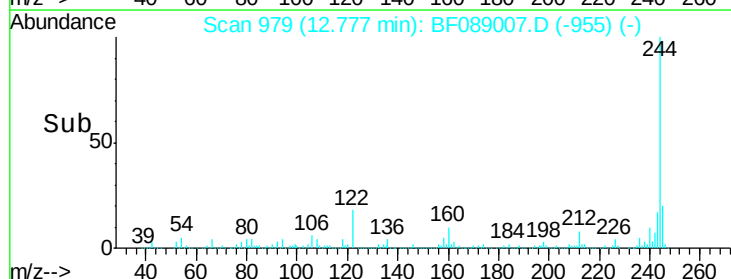
122 17.9 11.2 16.8#

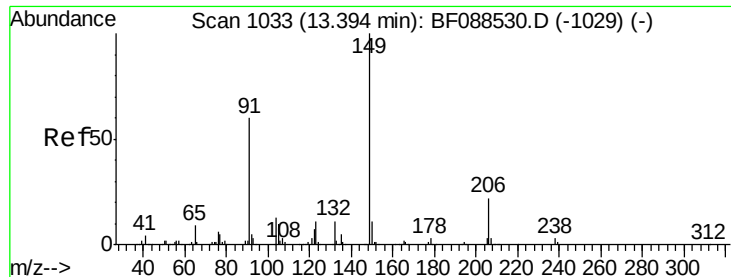


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

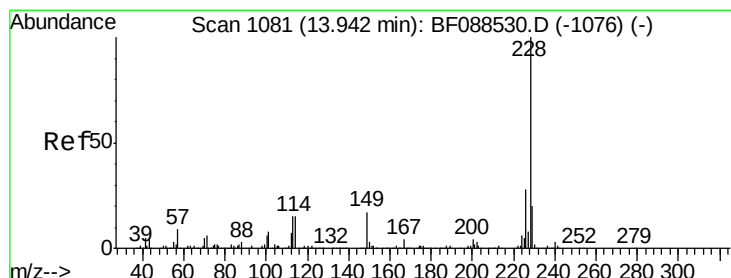
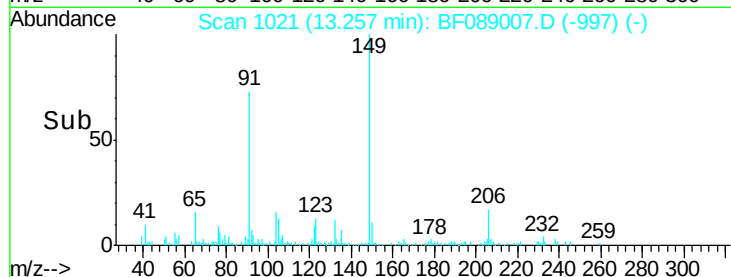
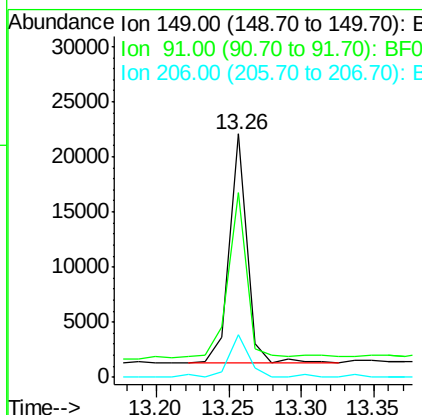
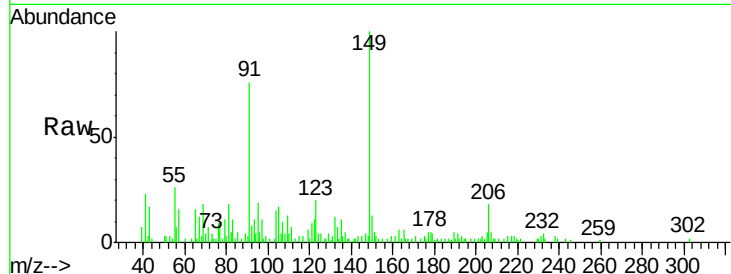




#79
Butylbenzylphthalate
Concen: 5.13 ng
RT: 13.26 min Scan# 1021
Delta R.T. -0.02 min
Lab File: BF089007.D
Acq: 15 Jul 2016 1:51

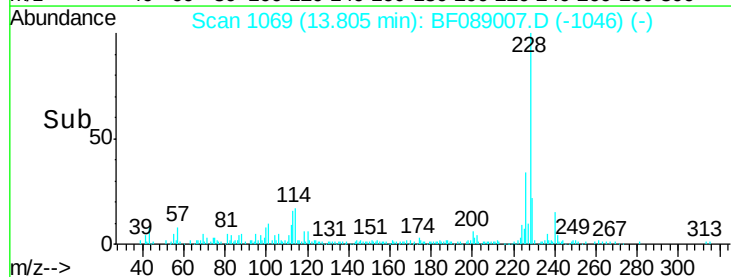
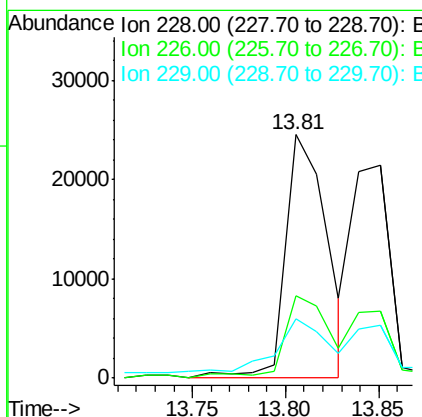
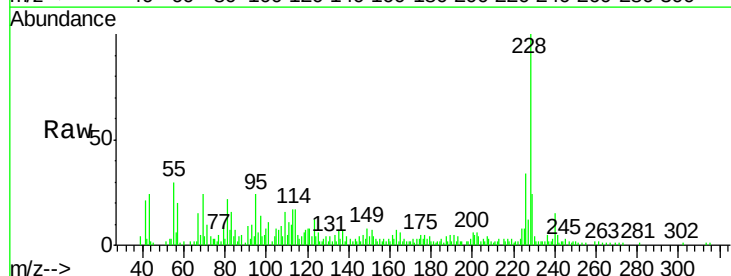
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB12(0-2in)

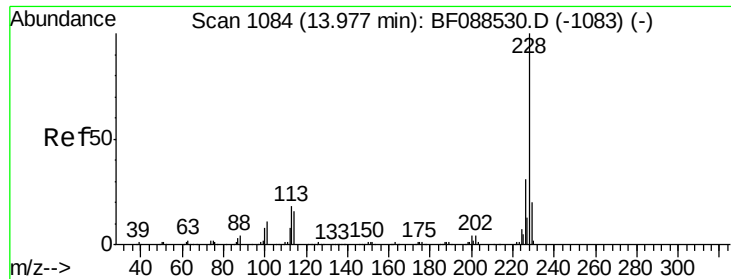
Tgt Ion	Ratio	Lower	Upper
149	100		
91	75.9	48.0	72.0#
206	17.6	16.0	24.0



#80
Benzo(a)anthracene
Concen: 6.49 ng
RT: 13.81 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BF089007.D
Acq: 15 Jul 2016 1:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.9	22.3	33.5#
229	24.1	16.0	24.0#





#82

Chrysene

Concen: 6.56 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.07 min

Lab File: BF089007.D

Acq: 15 Jul 2016 1:51

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB12(0-2in)

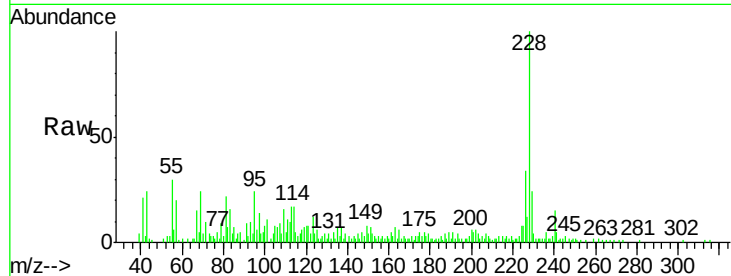
Tgt Ion:228 Resp: 38395

Ion Ratio Lower Upper

228 100

226 33.9 25.4 38.2

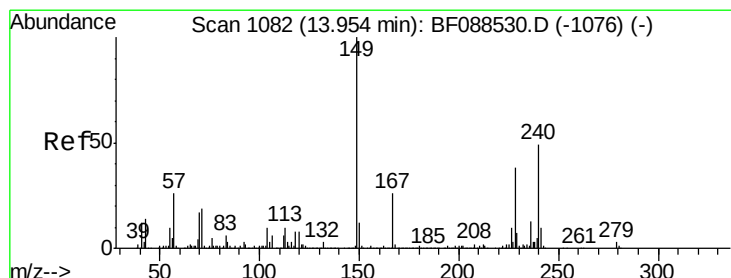
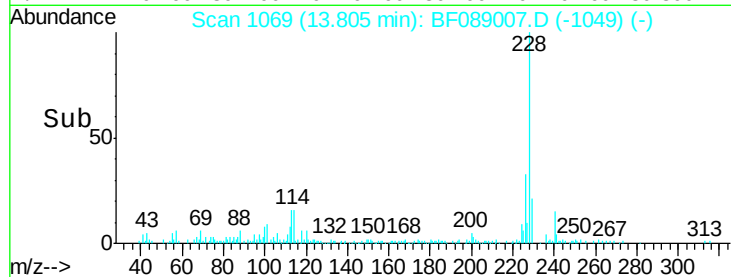
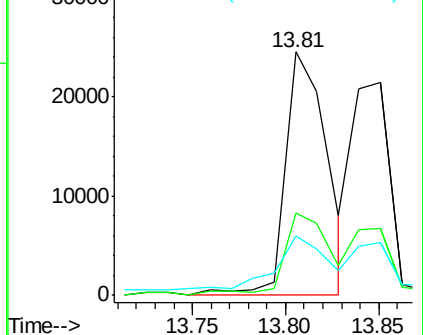
229 24.1 16.3 24.5



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: 4.61 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BF089007.D

Acq: 15 Jul 2016 1:51

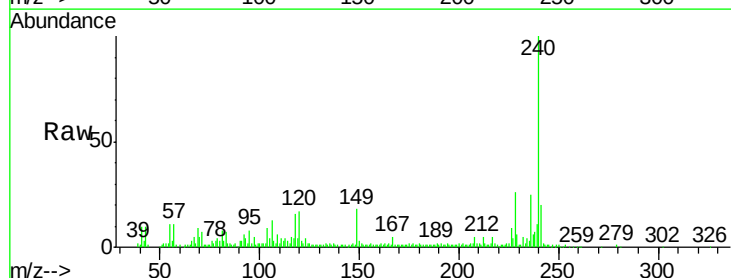
Tgt Ion:149 Resp: 18278

Ion Ratio Lower Upper

149 100

167 25.0 20.5 30.7

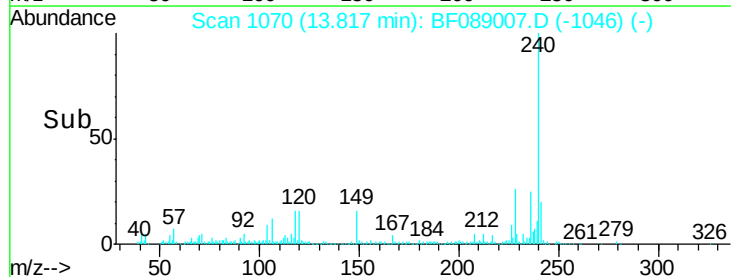
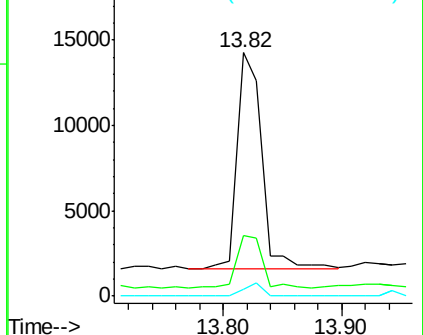
279 2.9 2.0 3.0

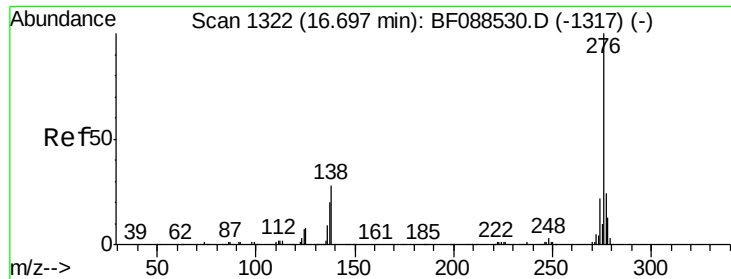


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

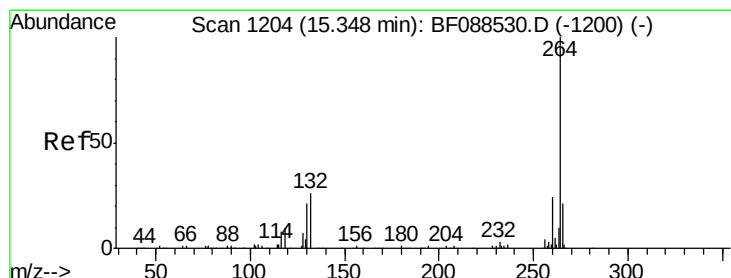
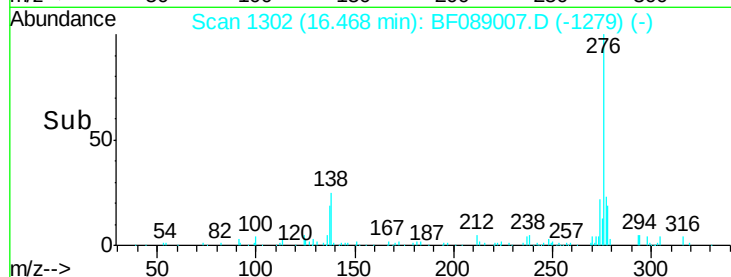
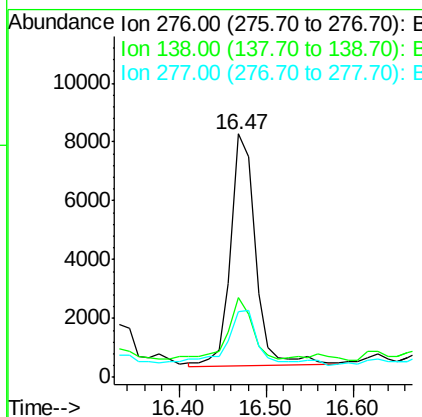
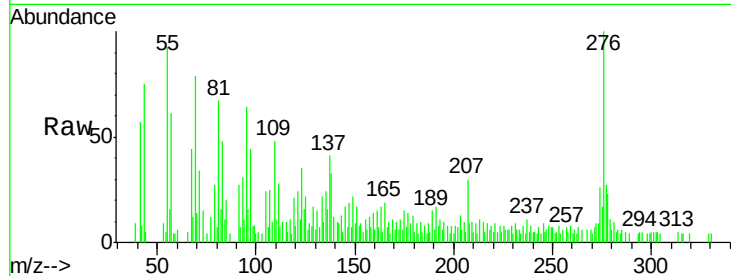




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.50 ng
 RT: 16.47 min Scan# 1302
 Delta R.T. -0.03 min
 Lab File: BF089007.D
 Acq: 15 Jul 2016 1:51

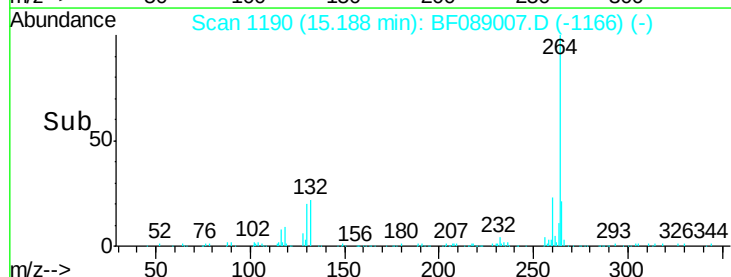
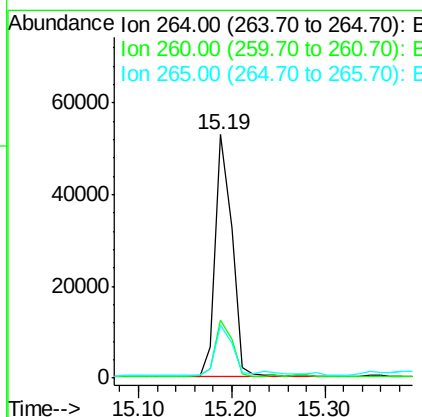
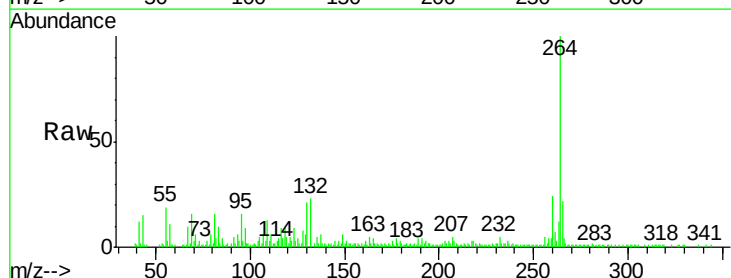
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB12(0-2in)

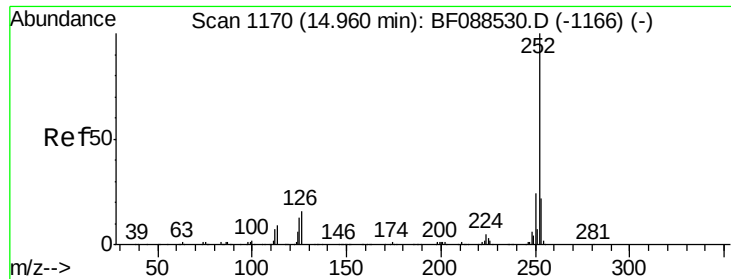
Tgt Ion: 276 Resp: 15773
 Ion Ratio Lower Upper
 276 100
 138 25.2 0.0 0.0#
 277 25.6 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.19 min Scan# 1190
 Delta R.T. -0.02 min
 Lab File: BF089007.D
 Acq: 15 Jul 2016 1:51

Tgt Ion: 264 Resp: 65716
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 21.8 16.9 25.3

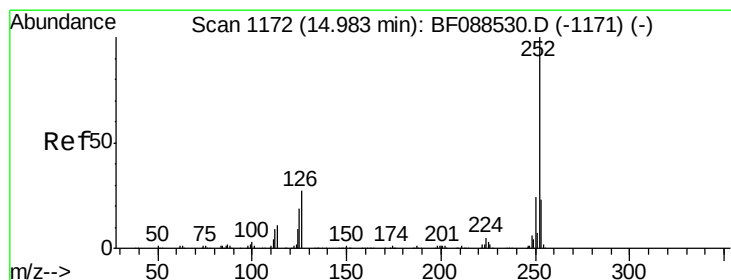
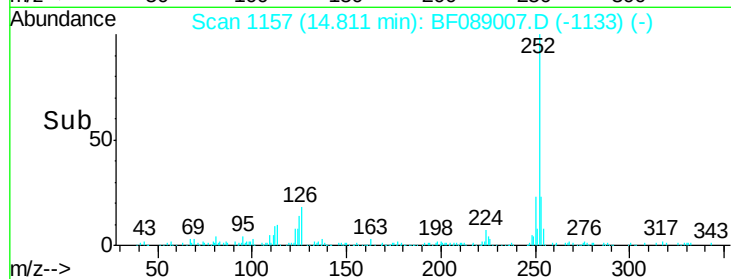
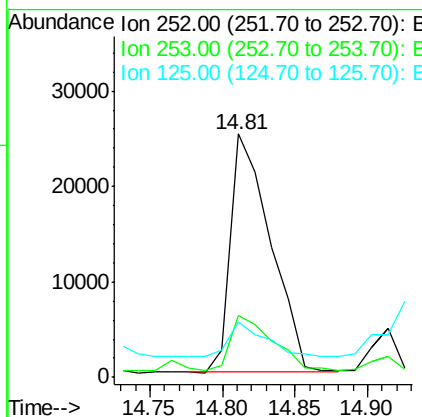
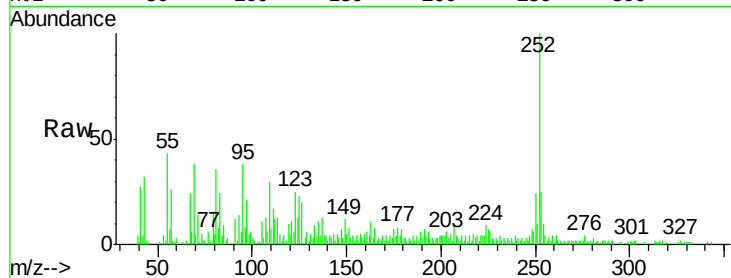




#87
Benzo(b)fluoranthene
Concen: 11.56 ng
RT: 14.81 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF089007.D
Acq: 15 Jul 2016 1:51

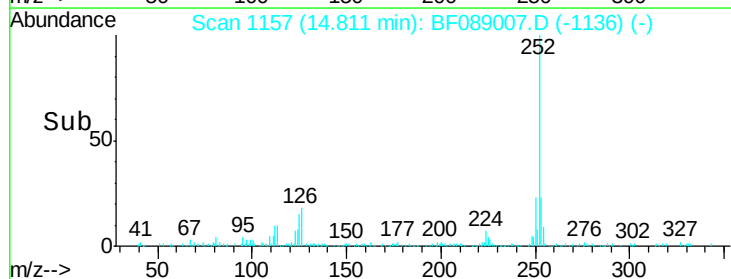
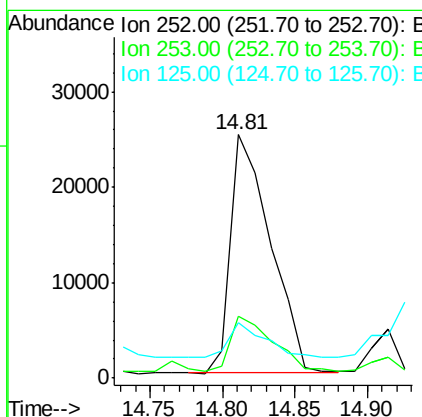
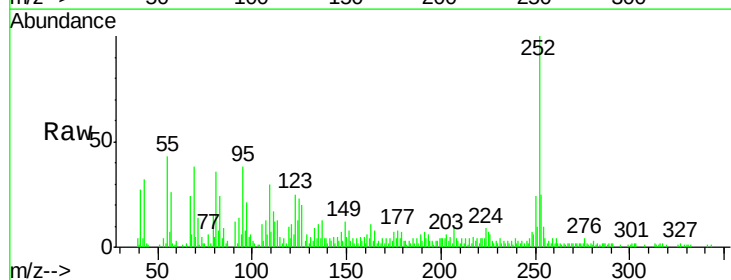
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB12(0-2in)

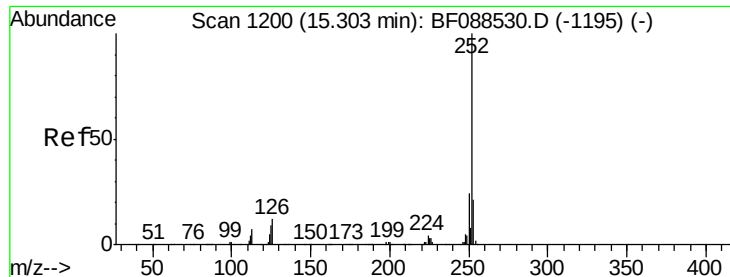
Tgt Ion:252 Resp: 47671
Ion Ratio Lower Upper
252 100
253 25.4 17.4 26.2
125 22.6 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 13.28 ng
RT: 14.81 min Scan# 1157
Delta R.T. -0.06 min
Lab File: BF089007.D
Acq: 15 Jul 2016 1:51

Tgt Ion:252 Resp: 47671
Ion Ratio Lower Upper
252 100
253 25.4 18.0 27.0
125 22.6 11.2 16.8#





#89

Benzo(a)pyrene

Concen: 7.02 ng

RT: 15.13 min Scan# 1185

Delta R.T. -0.03 min

Lab File: BF089007.D

Acq: 15 Jul 2016 1:51

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB12(0-2in)

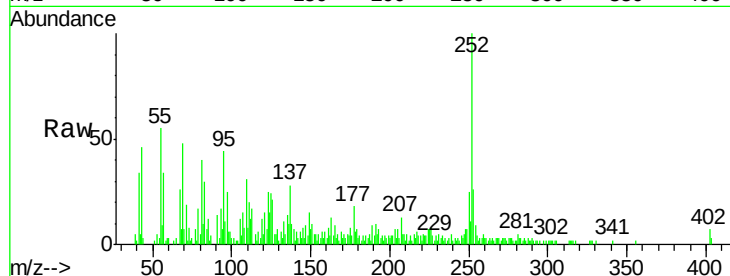
Tgt Ion:252 Resp: 24501

Ion Ratio Lower Upper

252 100

253 25.7 17.9 26.9

125 23.6 12.5 18.7#

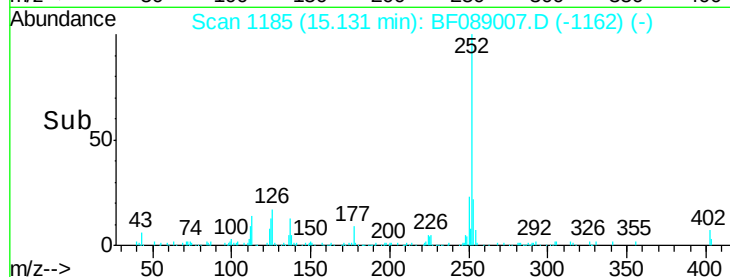


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



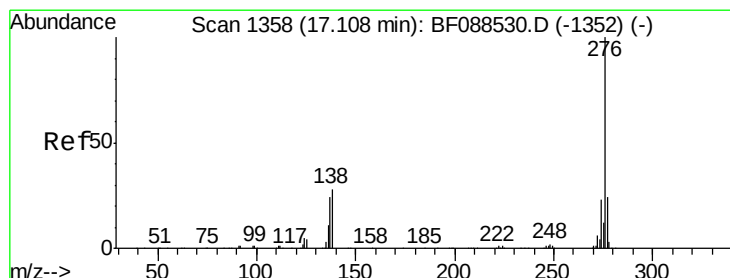
Abundance

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-->



#91

Benzo(g,h,i)perylene

Concen: 5.70 ng

RT: 16.86 min Scan# 1336

Delta R.T. -0.03 min

Lab File: BF089007.D

Acq: 15 Jul 2016 1:51

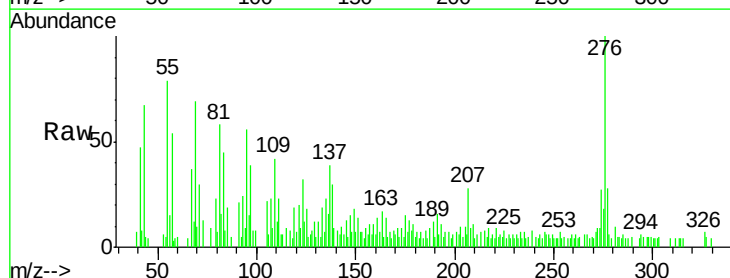
Tgt Ion:276 Resp: 17204

Ion Ratio Lower Upper

276 100

277 28.0 18.9 28.3

138 30.1 21.4 32.2

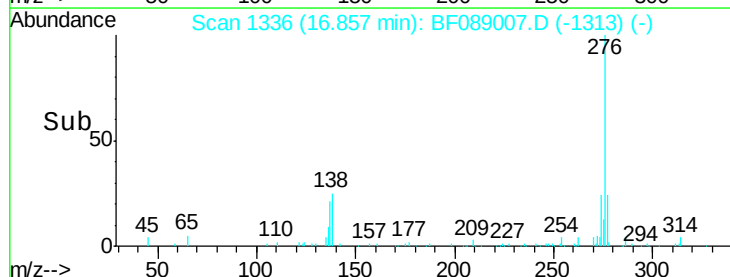


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

Time-->



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

Time-->