

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071416\
 Data File : BF089008.D
 Acq On : 15 Jul 2016 2:21
 Operator : UM/SJ
 Sample : H3995-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-XD02

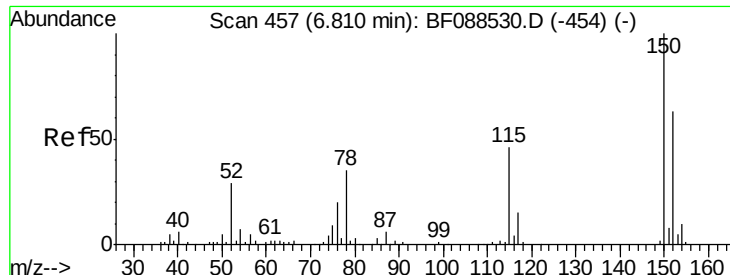
Quant Time: Jul 15 03:49:23 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	46828	20.00	ng	-0.02
21) Naphthalene-d8	7.98	136	189511	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	67370	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	129408	20.00	ng	-0.02
75) Chrysene-d12	13.82	240	89969	20.00	ng	-0.03
86) Perylene-d12	15.19	264	68726	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	369985	118.41	ng	0.00
7) Phenol-d6	6.34	99	394760	97.78	ng	-0.01
23) Nitrobenzene-d5	7.26	82	262633	72.62	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	61140	97.73	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	369022	86.52	ng	-0.02
78) Terphenyl-d14	12.78	244	278694	69.00	ng	-0.02

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	36518	13.47	ng	# 73
25) Isophorone	7.26	82	200937	30.00	ng	# 65
49) Dimethylphthalate	9.45	163	71920	14.98	ng	99
56) 2,4-Dinitrotoluene	9.72	165	8684	6.24	ng	# 36
66) 4-Bromophenyl-phenylether	10.50	248	4671	3.58	ng	# 1
70) Phenanthrene	11.22	178	22345	3.16	ng	100
74) Fluoranthene	12.40	202	58899	8.21	ng	98
77) Pyrene	12.63	202	60874	7.98	ng	98
79) Butylbenzylphthalate	13.26	149	17777	5.22	ng	# 83
80) Benzo(a)anthracene	13.81	228	29127	5.03	ng	94
82) Chrysene	13.81	228	29127	5.08	ng	97
83) Bis(2-ethylhexyl)phthalate	13.82	149	14745	3.80	ng	96
85) Indeno(1,2,3-cd)pyrene	16.47	276	10924	2.48	ng	# 100
87) Benzo(b)fluoranthene	14.81	252	35635	8.27	ng	# 84
88) Benzo(k)fluoranthene	14.81	252	35619	9.49	ng	# 88
89) Benzo(a)pyrene	15.13	252	17527	4.80	ng	# 87
91) Benzo(g,h,i)perylene	16.86	276	14209	4.50	ng	# 92

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.02 min

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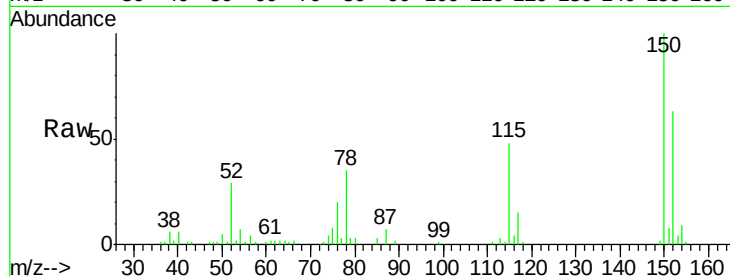
Tgt Ion:152 Resp: 46828

Ion Ratio Lower Upper

152 100

150 159.6 123.8 185.6

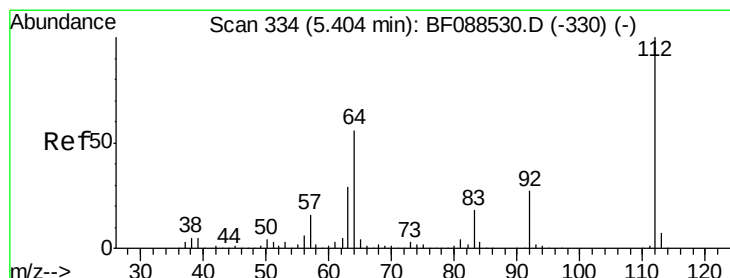
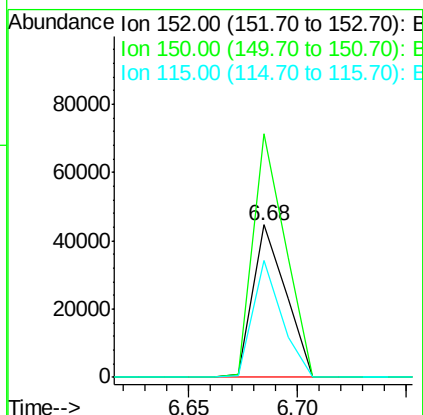
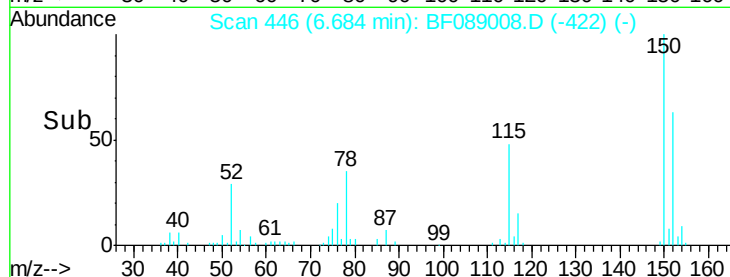
115 76.2 39.6 59.4#



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: 118.41 ng

RT: 5.29 min Scan# 324

Delta R.T. -0.00 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

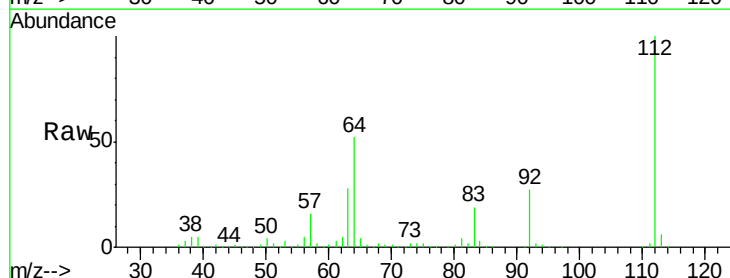
Tgt Ion:112 Resp: 369985

Ion Ratio Lower Upper

112 100

64 51.6 42.2 63.2

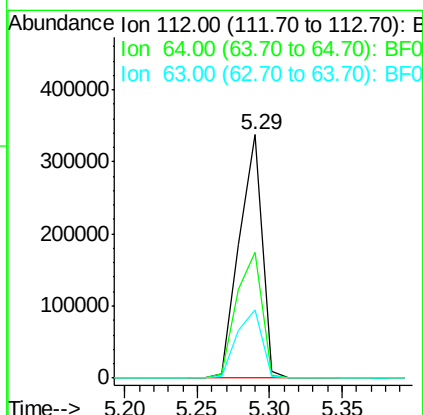
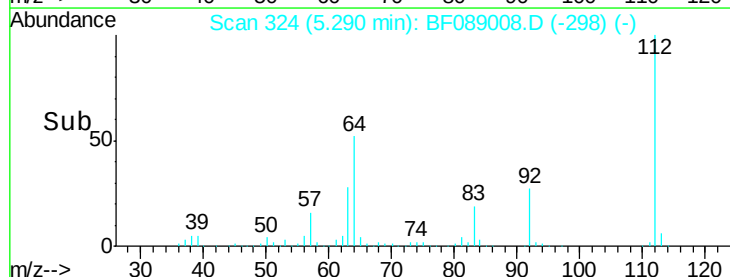
63 28.1 21.8 32.8

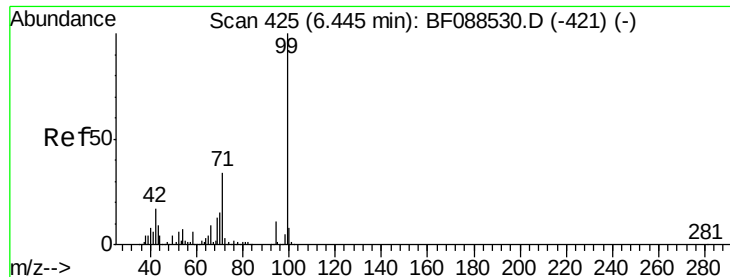


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.78 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

Instrument :

BNA_F

ClientSampleId :

LSS-SB-XD02

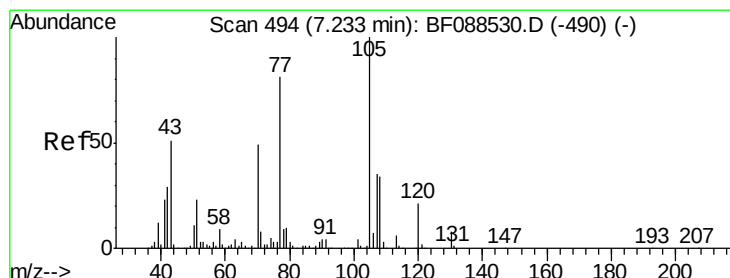
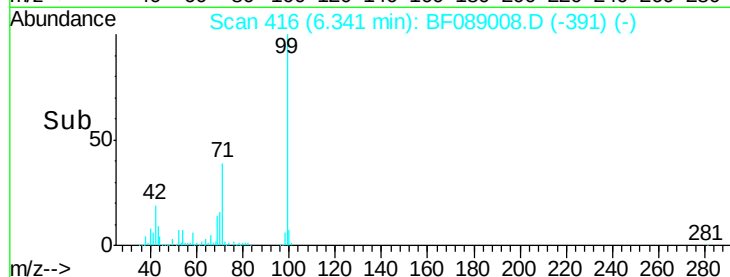
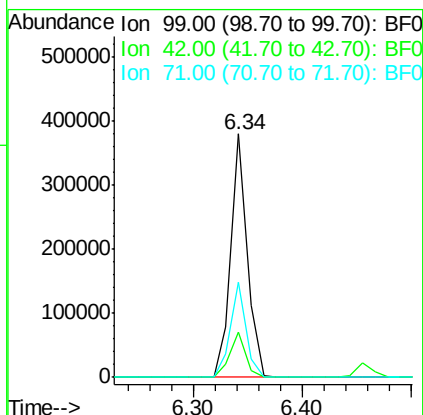
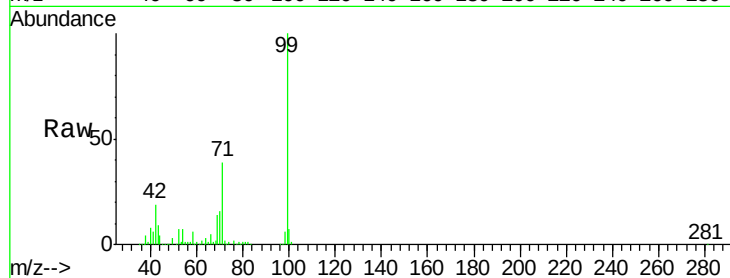
Tgt Ion: 99 Resp: 394760

Ion Ratio Lower Upper

99 100

42 18.7 12.2 18.2#

71 38.9 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 13.47 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.11 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

Tgt Ion: 70 Resp: 36518

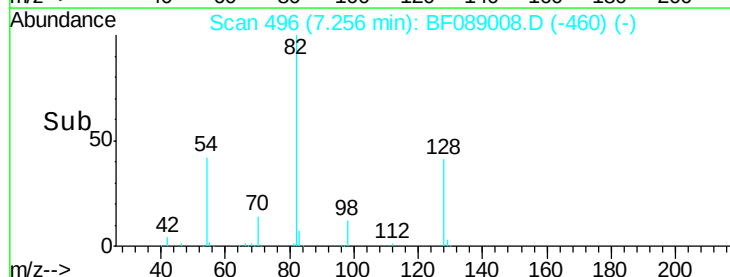
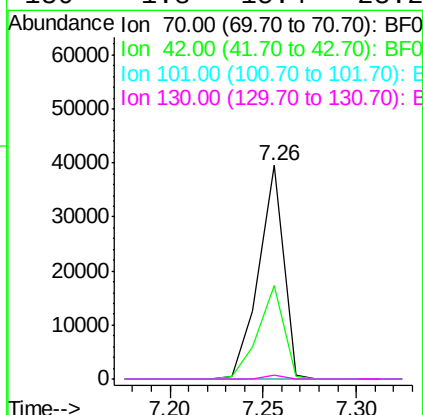
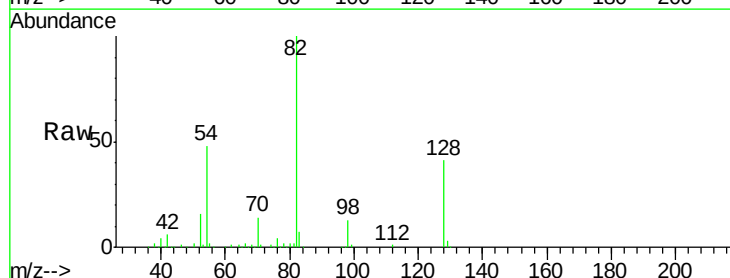
Ion Ratio Lower Upper

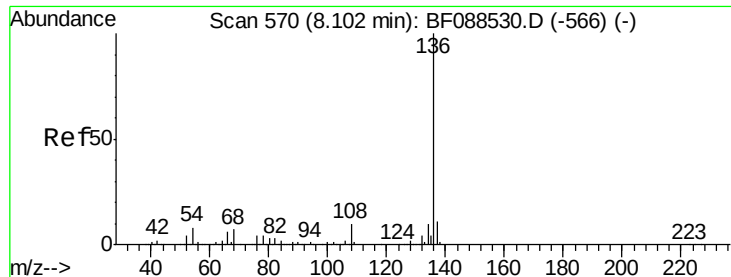
70 100

42 44.0 49.6 74.4#

101 0.0 7.1 10.7#

130 1.8 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: BF089008.D

Acq: 15 Jul 2016 2:21

Instrument :

BNA_F

ClientSampleId :

LSS-SB-XD02

Tgt Ion:136 Resp: 189511

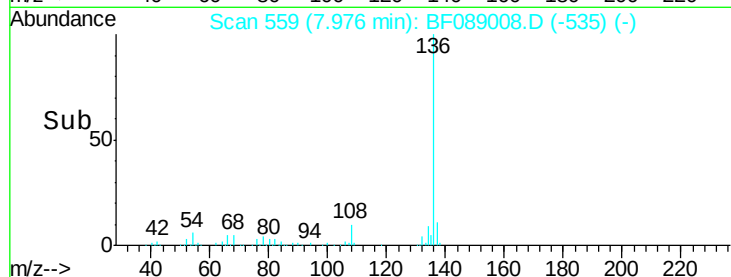
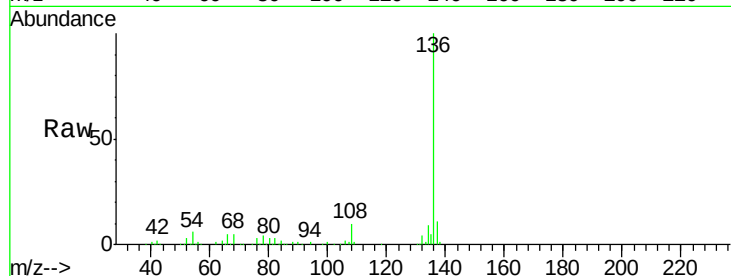
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.8 6.6 10.0#

68 4.8 5.1 7.7#

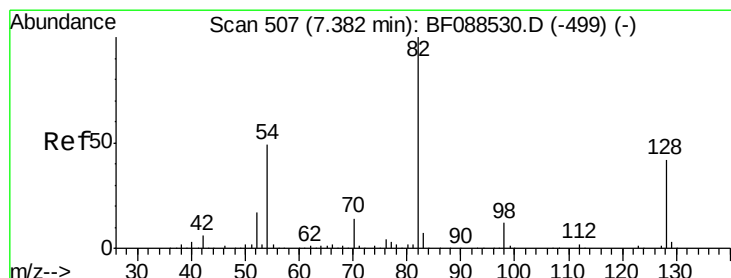
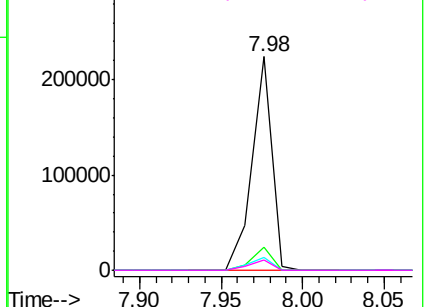


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.62 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

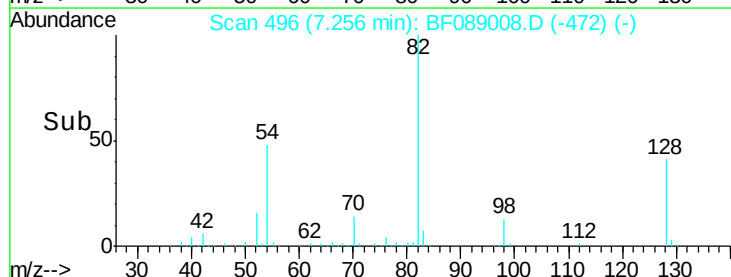
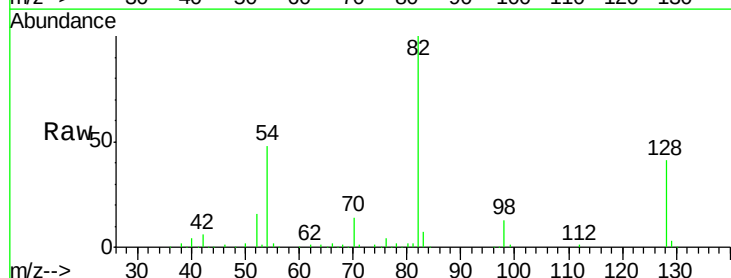
Tgt Ion: 82 Resp: 262633

Ion Ratio Lower Upper

82 100

128 41.2 35.9 53.9

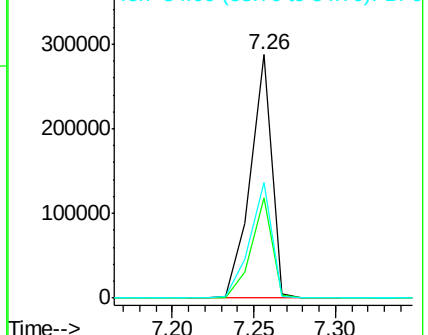
54 47.7 40.9 61.3

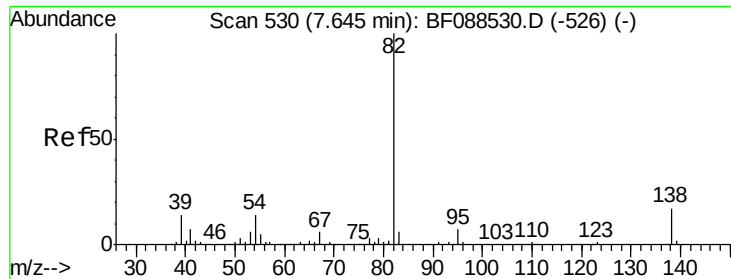


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 30.00 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.29 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

Instrument :

BNA_F

ClientSampleId :

LSS-SB-XD02

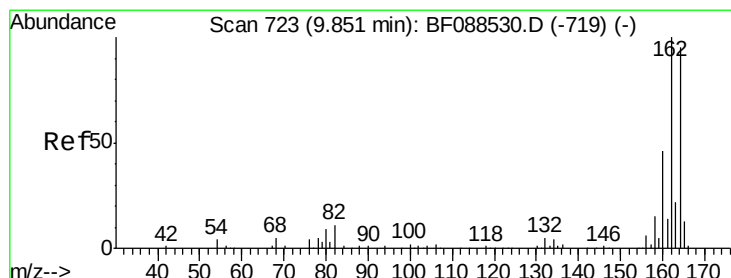
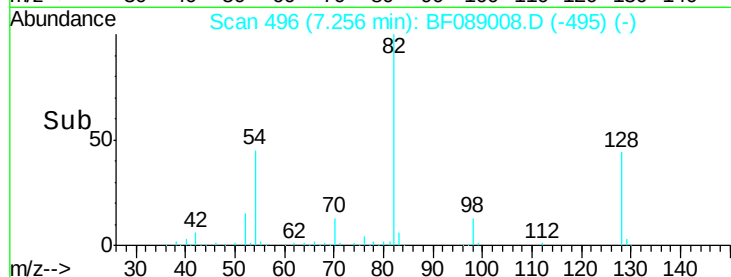
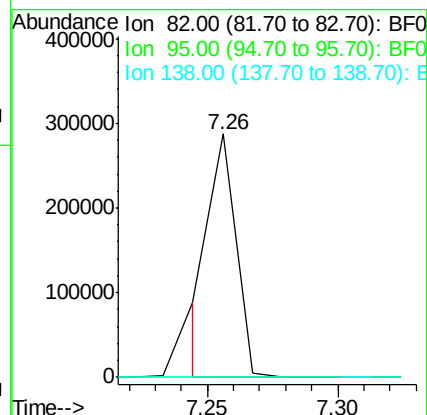
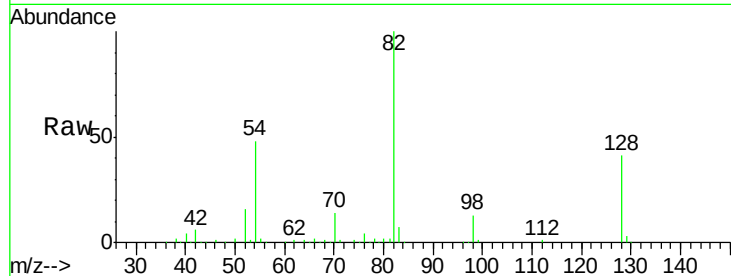
Tgt Ion: 82 Resp: 200937

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.02 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

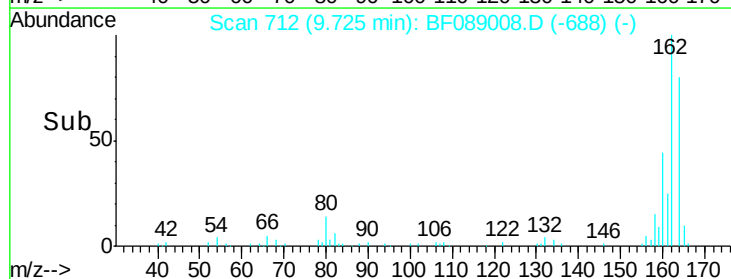
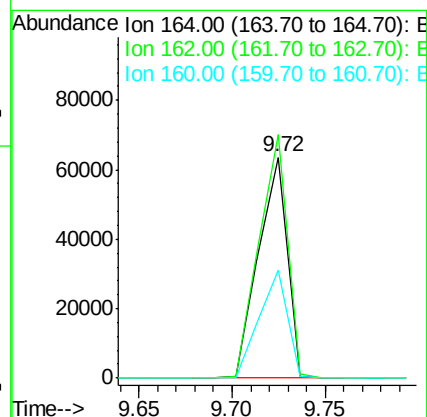
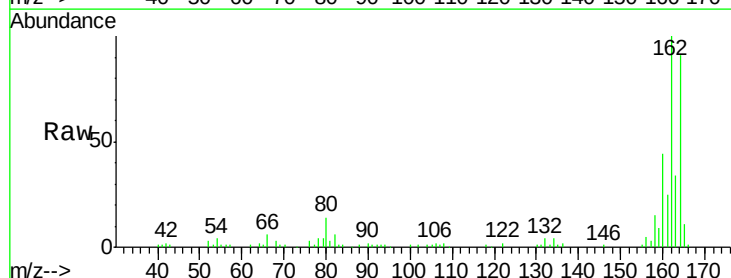
Tgt Ion: 164 Resp: 67370

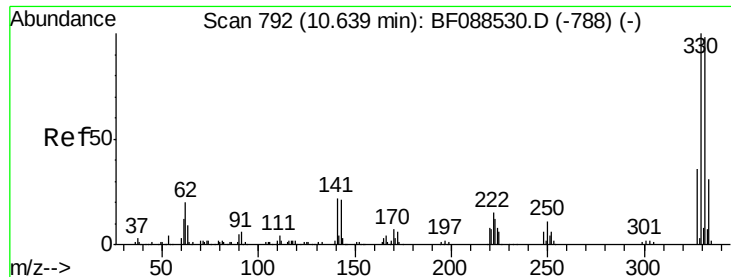
Ion Ratio Lower Upper

164 100

162 110.3 85.4 128.2

160 48.7 39.5 59.3

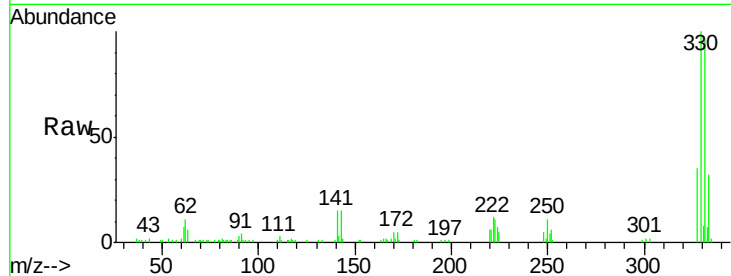




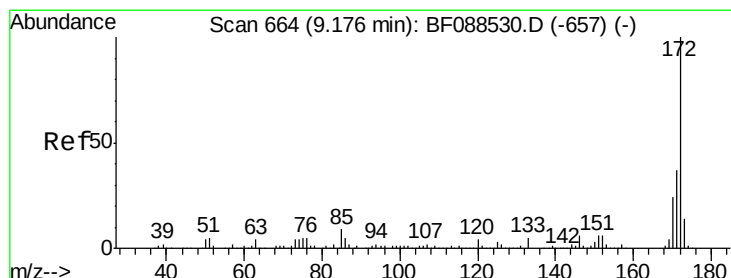
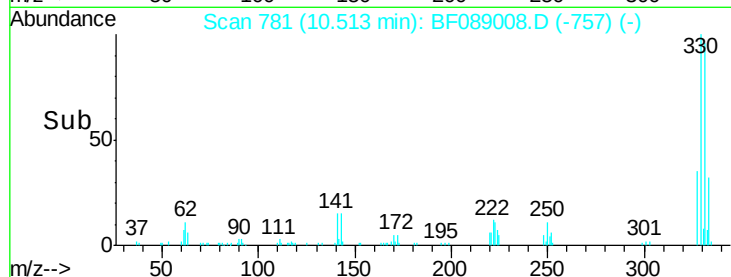
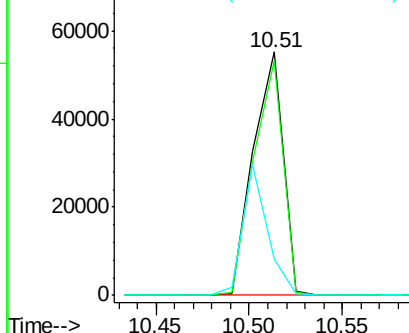
#41
 2,4,6-Tribromophenol
 Concen: 97.73 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BF089008.D
 Acq: 15 Jul 2016 2:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-XD02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	0.0	0.0#
141	44.9	0.0	0.0#

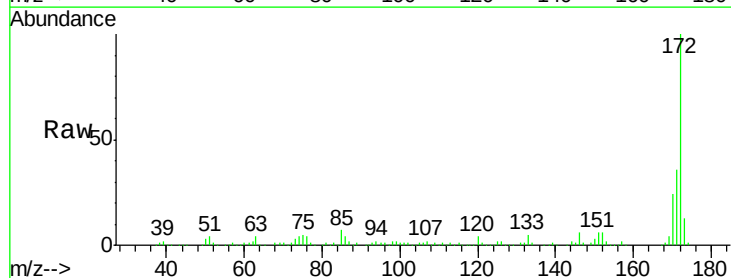


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

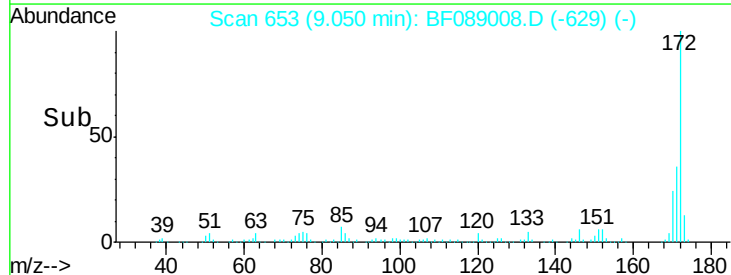
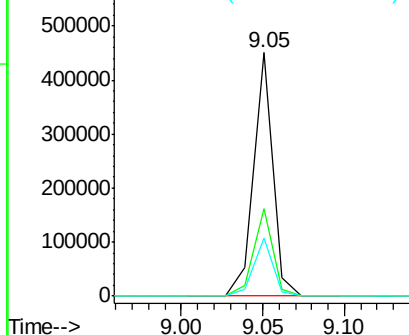


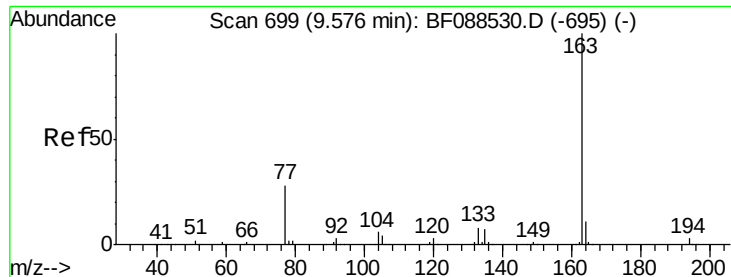
#44
 2-Fluorobiphenyl
 Concen: 86.52 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF089008.D
 Acq: 15 Jul 2016 2:21

Tgt 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: 14.98 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.03 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

Instrument :

BNA_F

ClientSampleId :

LSS-SB-XD02

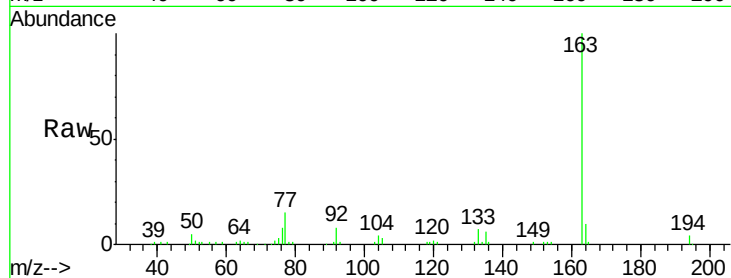
Tgt Ion:163 Resp: 71920

Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

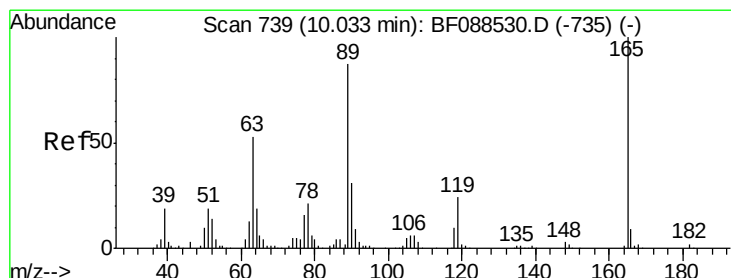
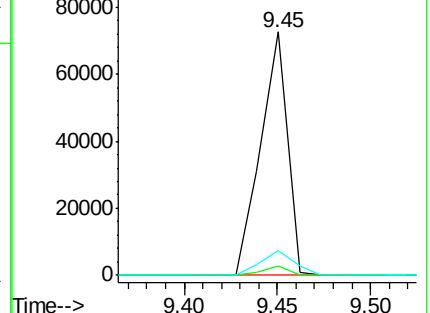
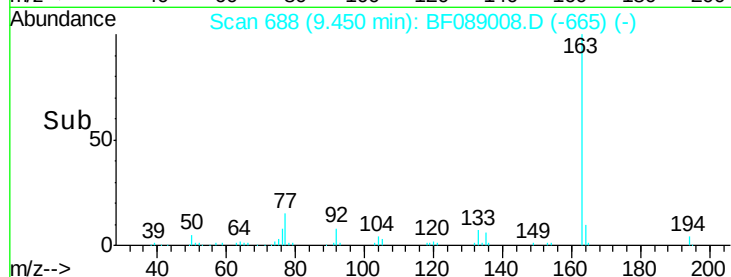
164 10.0 8.3 12.5



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: 6.24 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.22 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

Tgt Ion:165 Resp: 8684

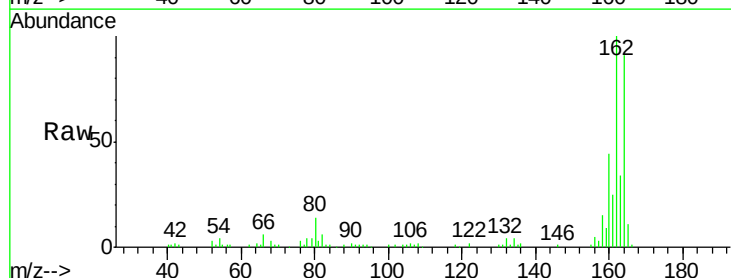
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

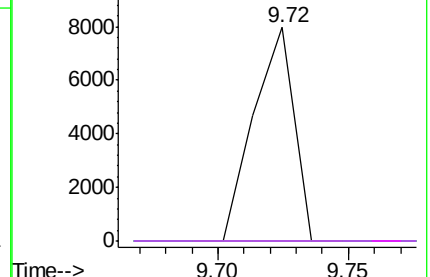
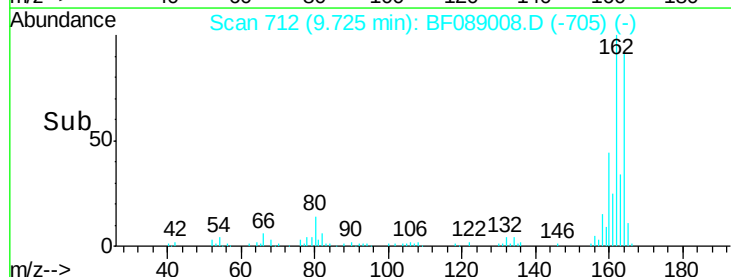


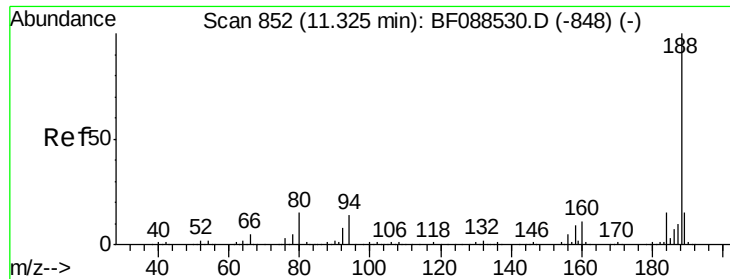
Abundance Ion 165.00 (164.70 to 165.70): E

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

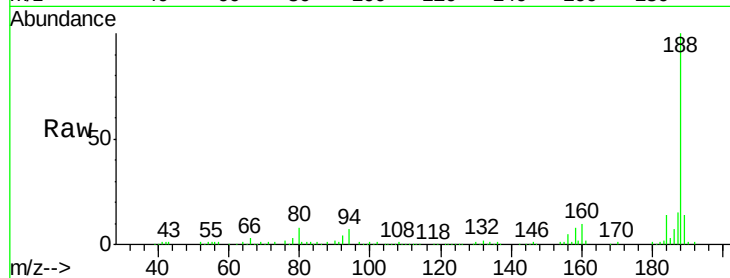




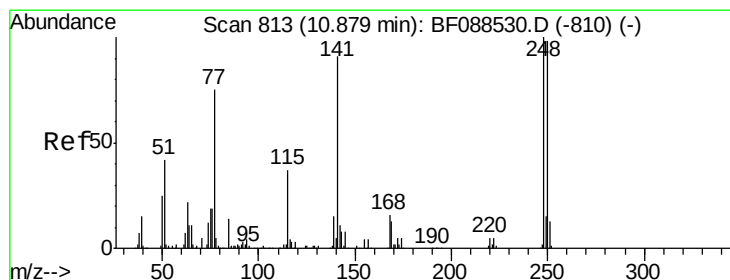
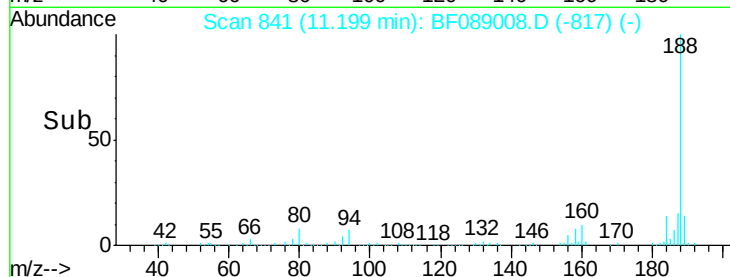
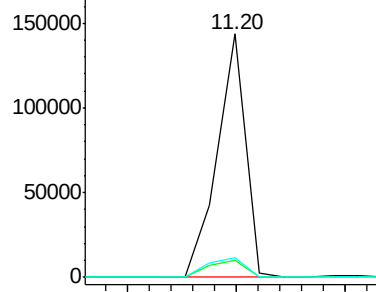
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.02 min
Lab File: BF089008.D
Acq: 15 Jul 2016 2:21

Instrument :
BNA_F
ClientSampleId :
LSS-SB-XD02

Tgt Ion:188 Resp: 129408
Ion Ratio Lower Upper
188 100
94 7.0 9.0 13.6#
80 7.8 10.0 15.0#

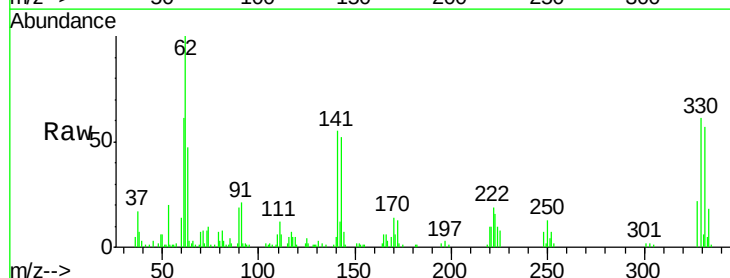


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

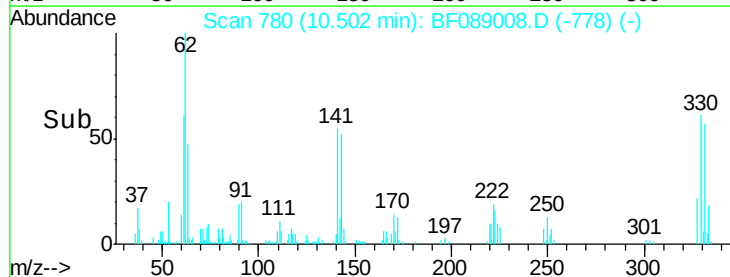
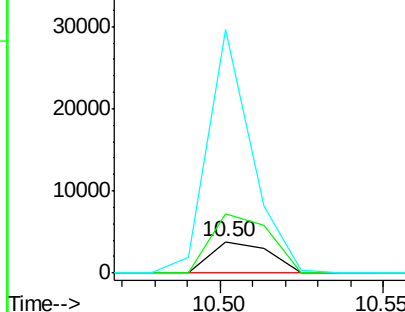


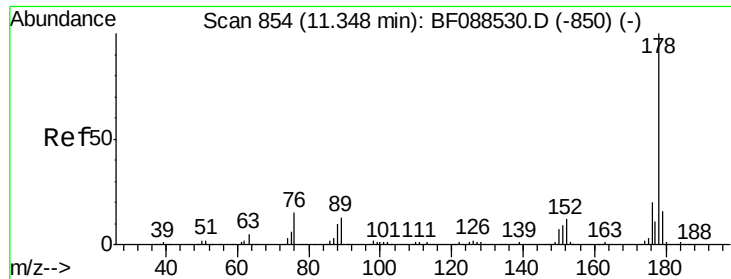
#66
4-Bromophenyl-phenylether
Concen: 3.58 ng
RT: 10.50 min Scan# 780
Delta R.T. -0.27 min
Lab File: BF089008.D
Acq: 15 Jul 2016 2:21

Tgt Ion:248 Resp: 4671
Ion Ratio Lower Upper
248 100
250 188.3 77.1 115.7#
141 779.4 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

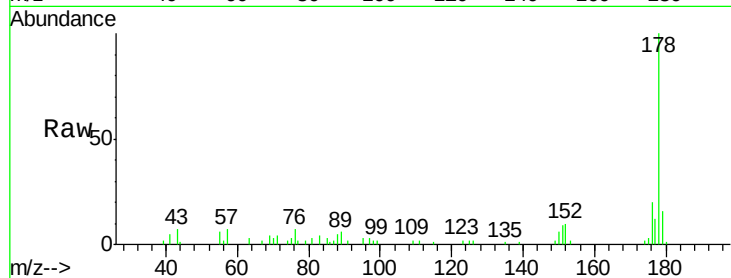




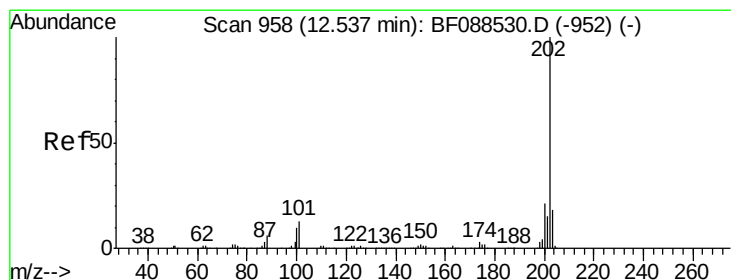
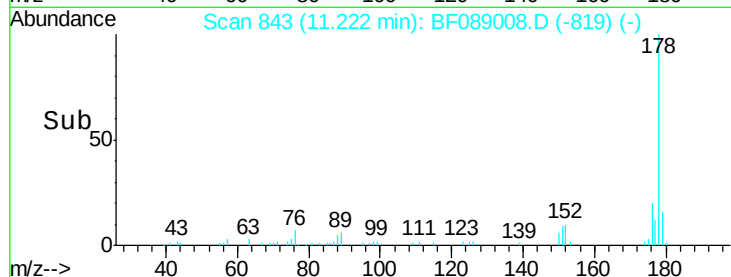
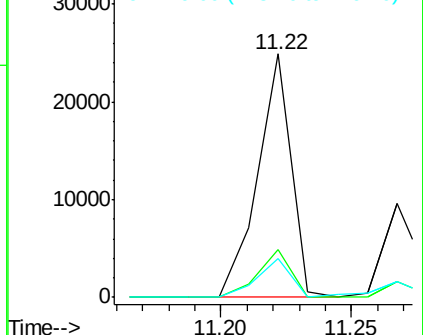
#70
Phenanthrene
Concen: 3.16 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.02 min
Lab File: BF089008.D
Acq: 15 Jul 2016 2:21

Instrument :
BNA_F
ClientSampleId :
LSS-SB-XD02

Tgt Ion:178 Resp: 22345
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 16.2 13.0 19.4

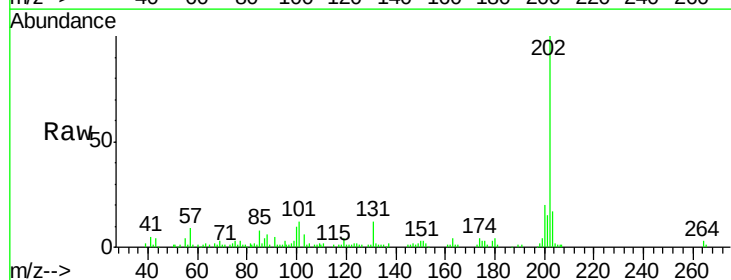


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

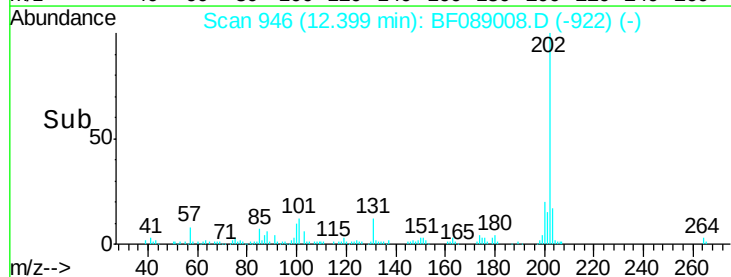
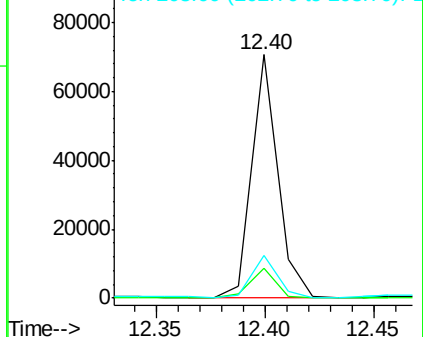


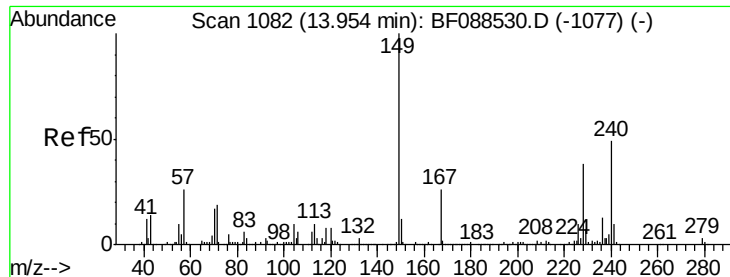
#74
Fluoranthene
Concen: 8.21 ng
RT: 12.40 min Scan# 946
Delta R.T. -0.02 min
Lab File: BF089008.D
Acq: 15 Jul 2016 2:21

Tgt Ion:202 Resp: 58899
Ion Ratio Lower Upper
202 100
101 12.2 0.0 33.1
203 17.5 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: BF089008.D

Acq: 15 Jul 2016 2:21

Instrument :

BNA_F

ClientSampleId :

LSS-SB-XD02

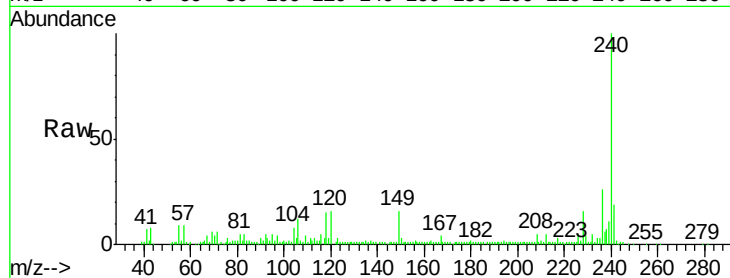
Tgt Ion:240 Resp: 89969

Ion Ratio Lower Upper

240 100

120 16.0 6.8 10.2#

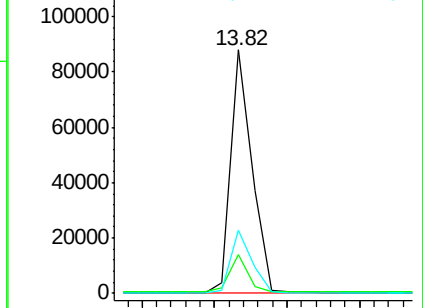
236 25.7 20.2 30.2



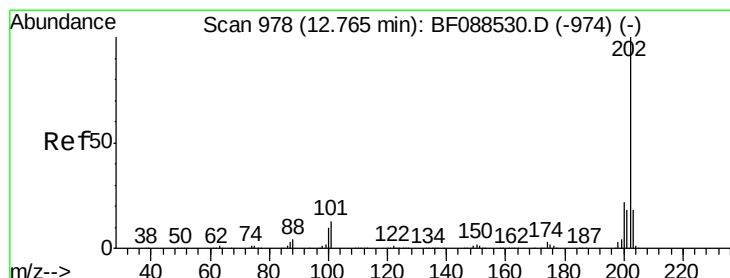
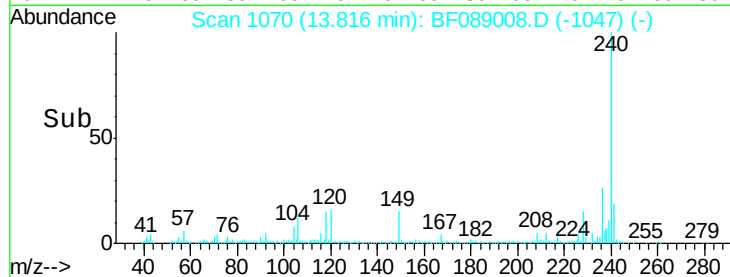
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 7.98 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

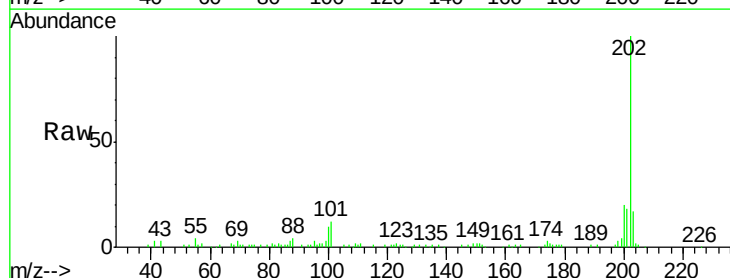
Tgt Ion:202 Resp: 60874

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

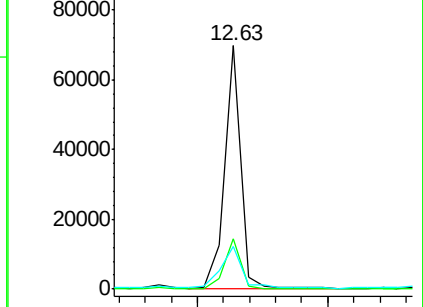
203 17.3 14.5 21.7



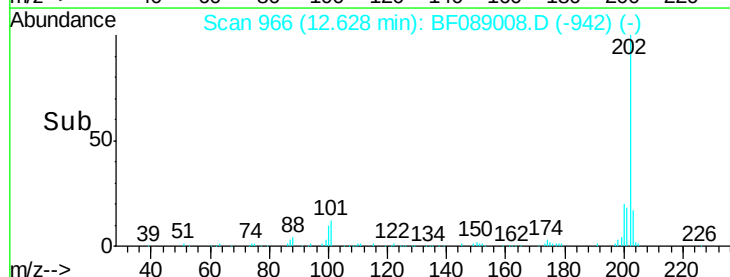
Abundance Ion 202.00 (201.70 to 202.70): E

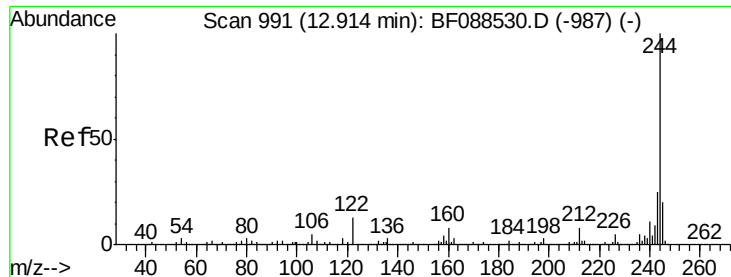
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->

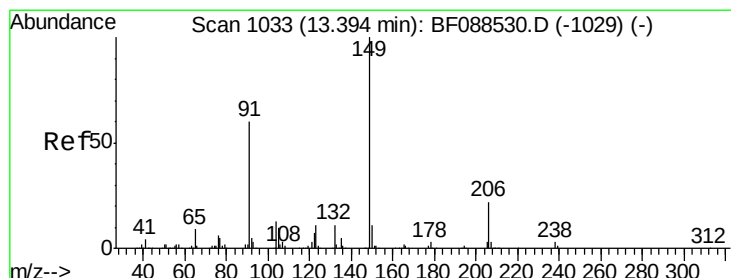
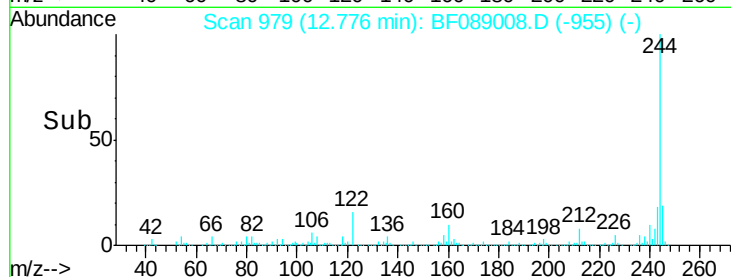
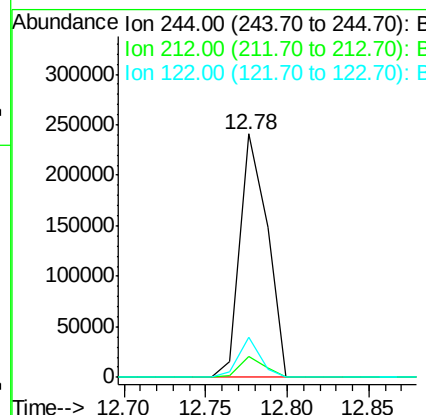
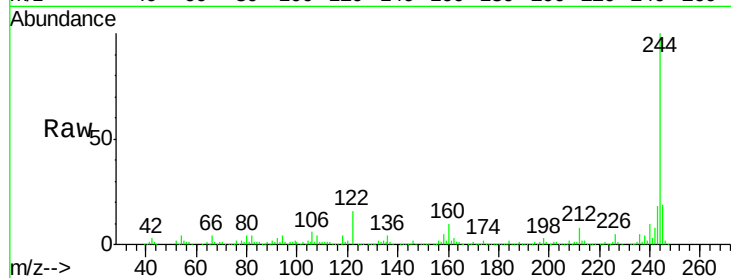




#78
 Terphenyl-d14
 Concen: 69.00 ng
 RT: 12.78 min Scan# 979
 Delta R.T. -0.02 min
 Lab File: BF089008.D
 Acq: 15 Jul 2016 2:21

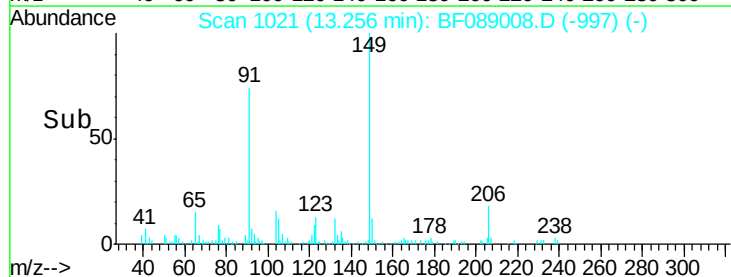
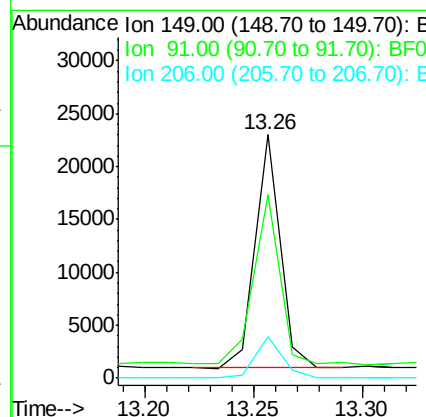
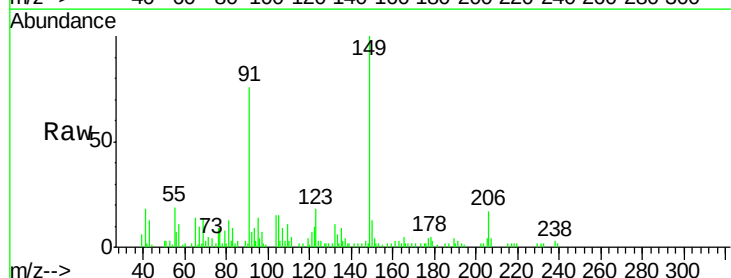
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-XD02

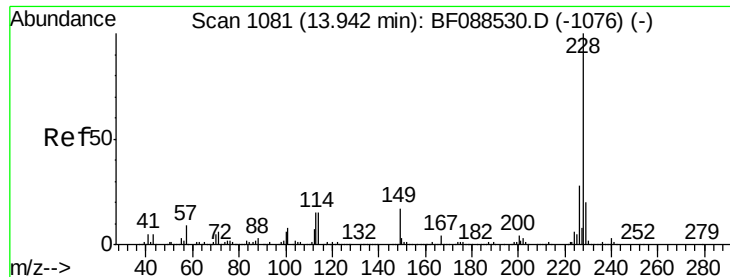
Tgt Ion: 244 Resp: 278694
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.0 9.0
 122 16.3 11.2 16.8



#79
 Butylbenzylphthalate
 Concen: 5.22 ng
 RT: 13.26 min Scan# 1021
 Delta R.T. -0.02 min
 Lab File: BF089008.D
 Acq: 15 Jul 2016 2:21

Tgt Ion: 149 Resp: 17777
 Ion Ratio Lower Upper
 149 100
 91 75.5 48.0 72.0#
 206 17.1 16.0 24.0





#80

Benzo(a)anthracene

Concen: 5.03 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.03 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

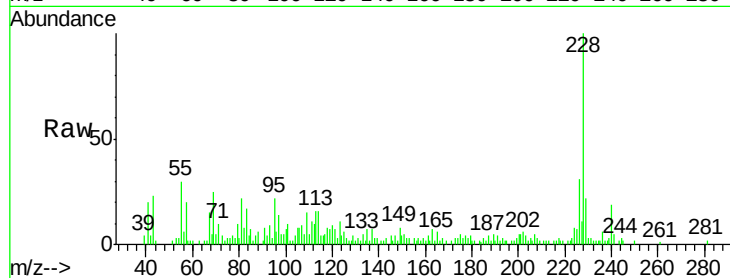
Instrument :

BNA_F

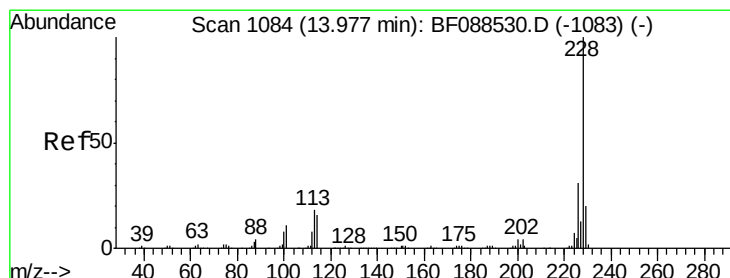
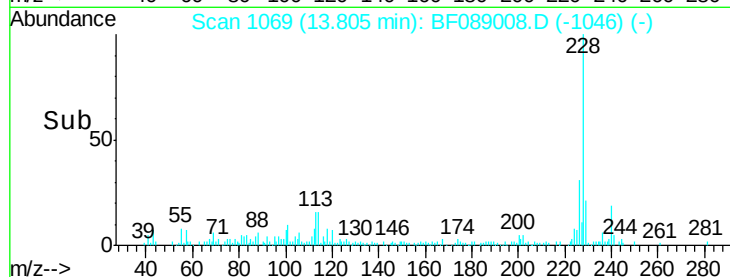
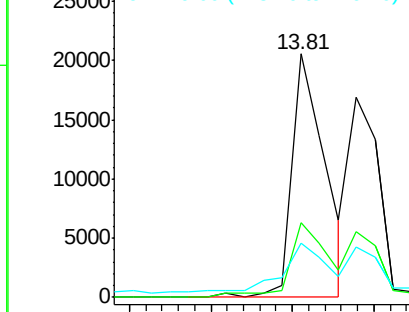
ClientSampleId :

LSS-SB-XD02

Tgt Ion:	228	Resp:	29127
Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.3	33.5
229	22.4	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: 5.08 ng

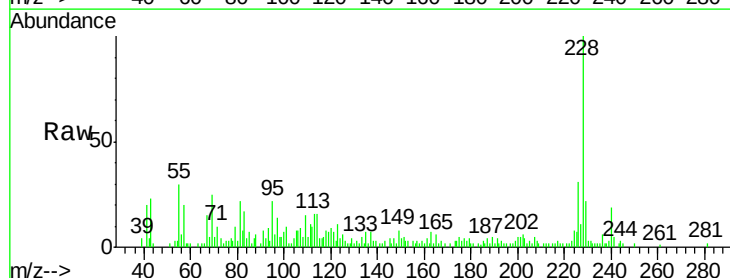
RT: 13.81 min Scan# 1069

Delta R.T. -0.07 min

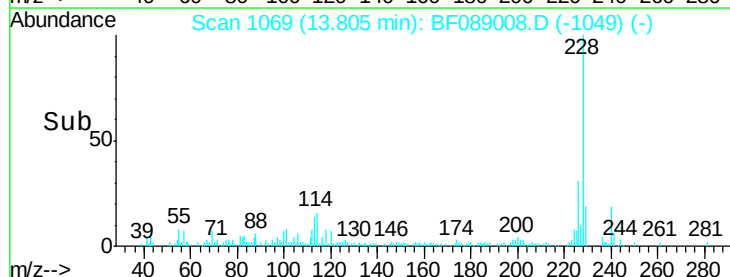
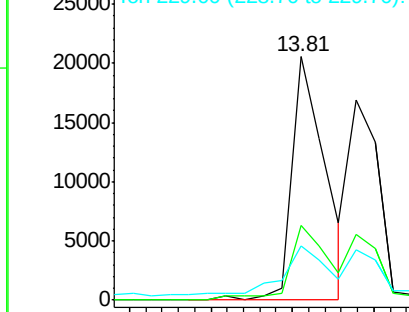
Lab File: BF089008.D

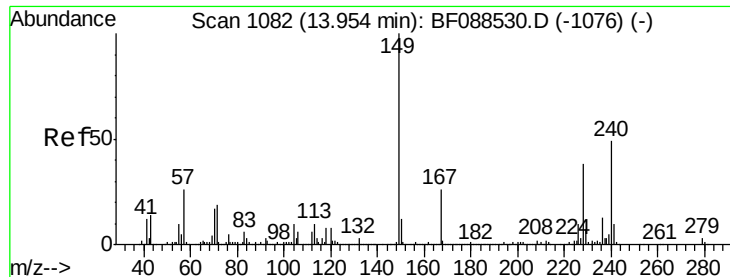
Acq: 15 Jul 2016 2:21

Tgt Ion:	228	Resp:	29127
Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.2
229	22.4	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: 3.80 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

Instrument :

BNA_F

ClientSampleId :

LSS-SB-XD02

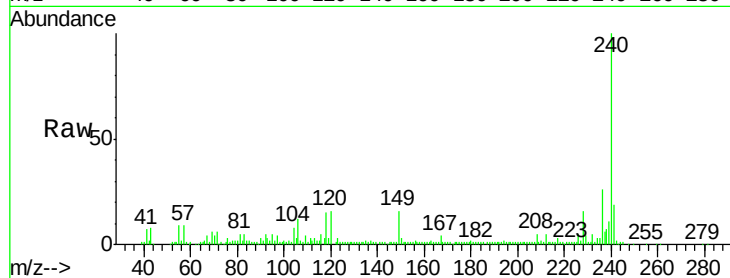
Tgt Ion:149 Resp: 14745

Ion Ratio Lower Upper

149 100

167 23.5 20.5 30.7

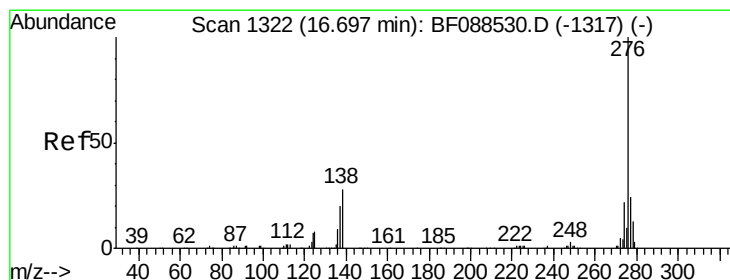
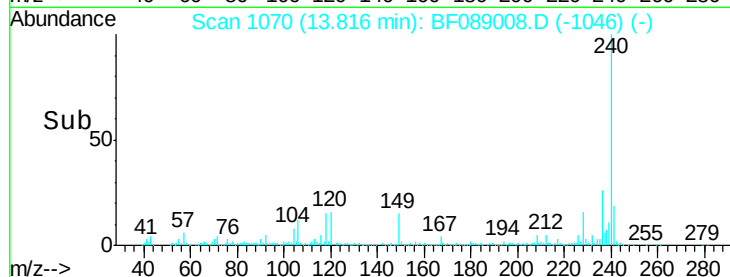
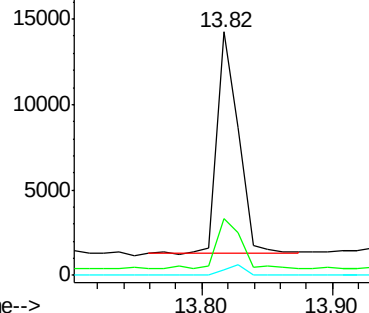
279 2.2 2.0 3.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.48 ng

RT: 16.47 min Scan# 1302

Delta R.T. -0.03 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

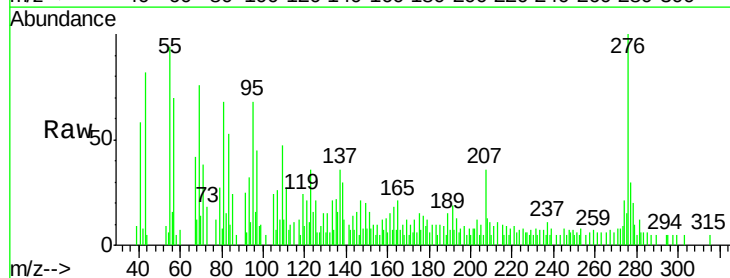
Tgt Ion:276 Resp: 10924

Ion Ratio Lower Upper

276 100

138 36.1 0.0 0.0#

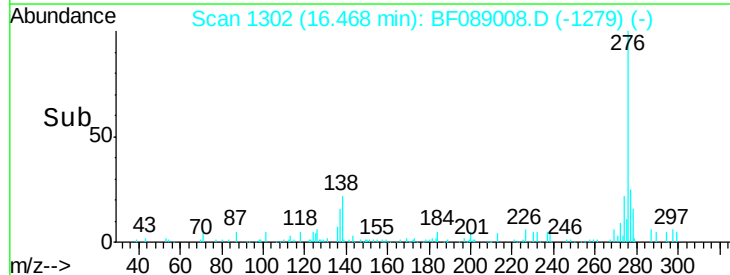
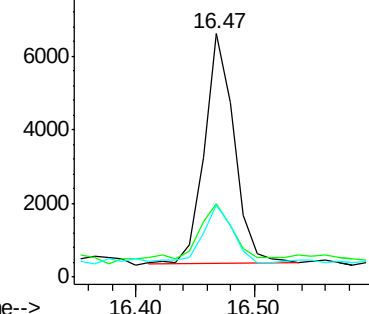
277 25.0 0.0 0.0#

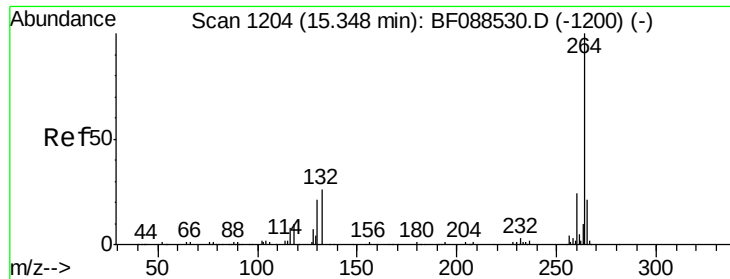


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



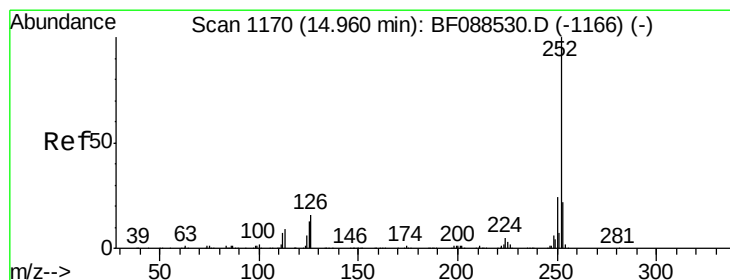
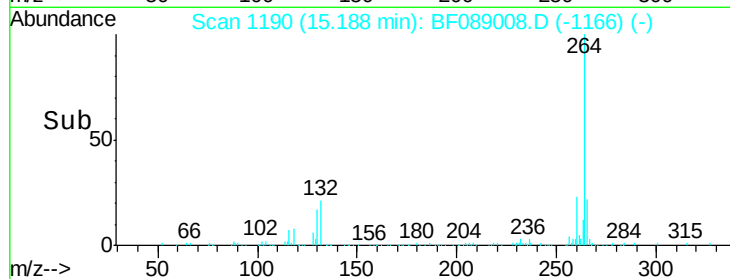
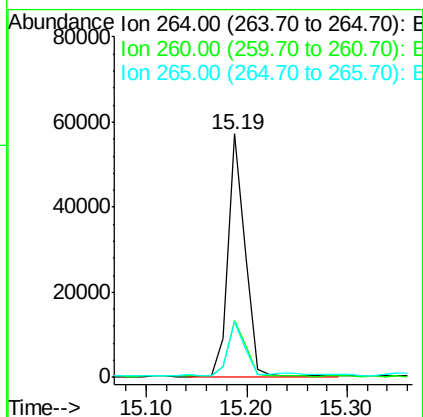
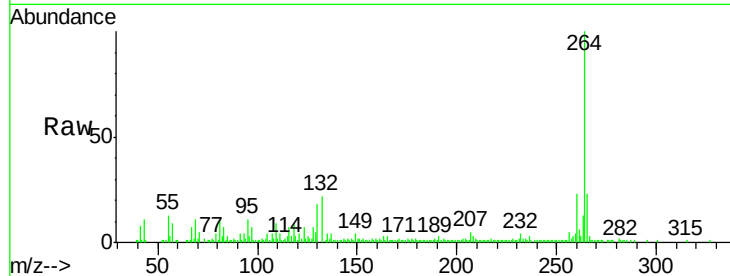


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.19 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BF089008.D
Acq: 15 Jul 2016 2:21

Instrument :
BNA_F
ClientSampleId :
LSS-SB-XD02

Tgt Ion: 264 Resp: 68726

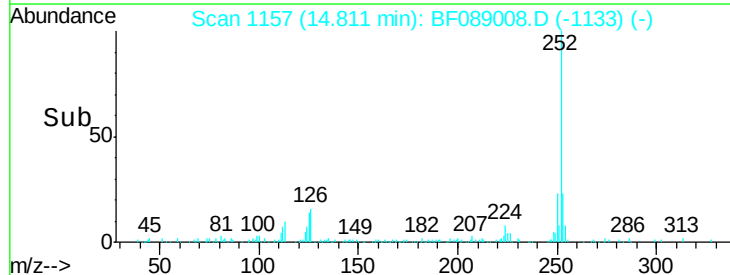
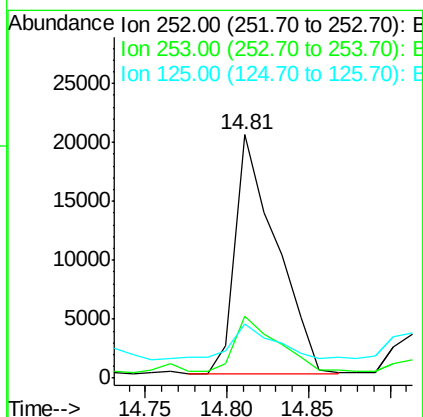
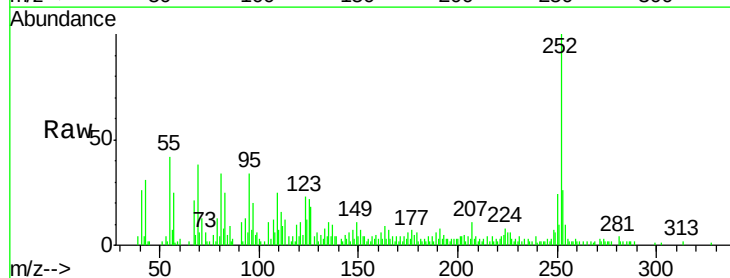
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.5	16.9	25.3

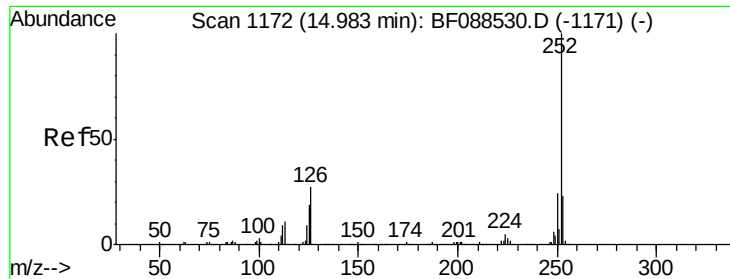


#87
Benzo(b)fluoranthene
Concen: 8.27 ng
RT: 14.81 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF089008.D
Acq: 15 Jul 2016 2:21

Tgt Ion: 252 Resp: 35635

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.4	26.2
125	22.2	7.1	10.7#

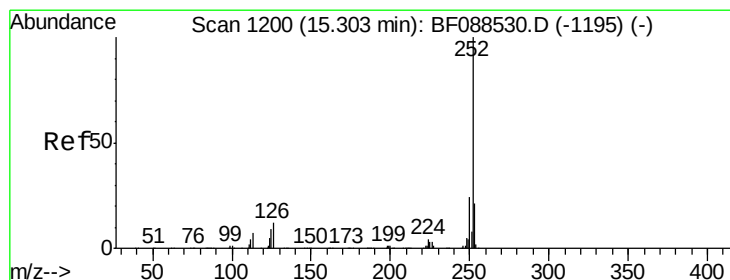
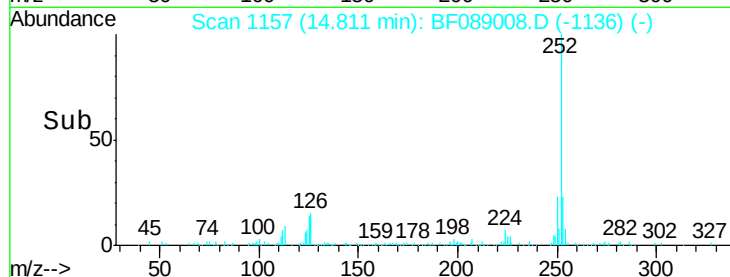
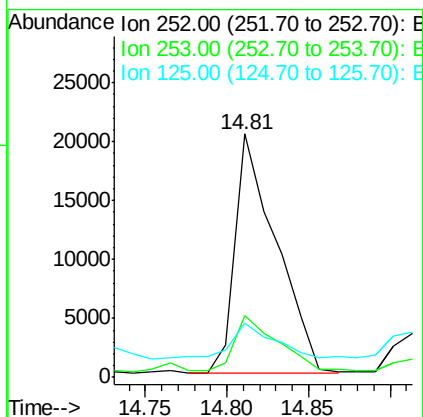
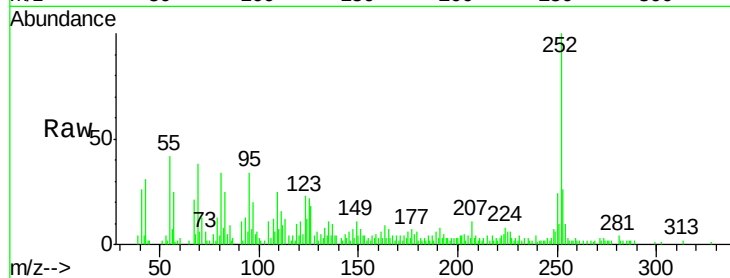




#88
Benzo(k)fluoranthene
Concen: 9.49 ng
RT: 14.81 min Scan# 1157
Delta R.T. -0.06 min
Lab File: BF089008.D
Acq: 15 Jul 2016 2:21

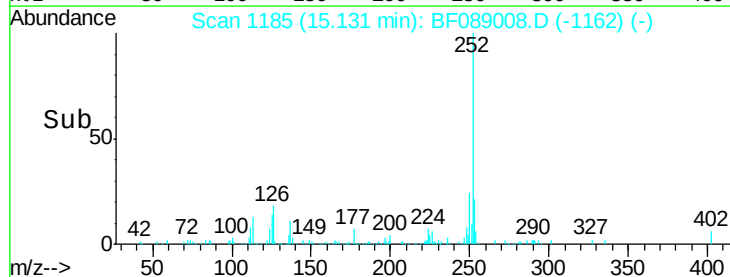
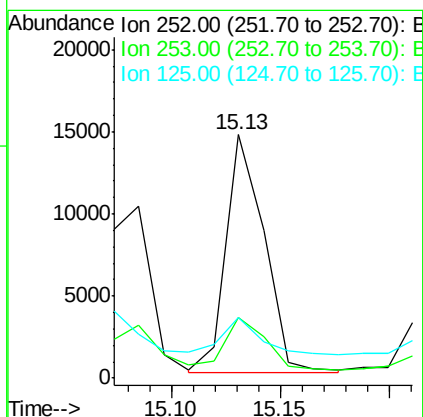
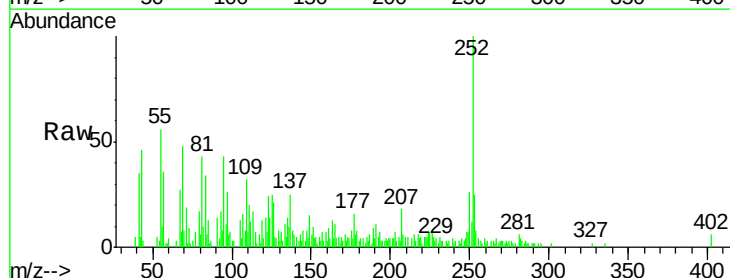
Instrument :
BNA_F
ClientSampleId :
LSS-SB-XD02

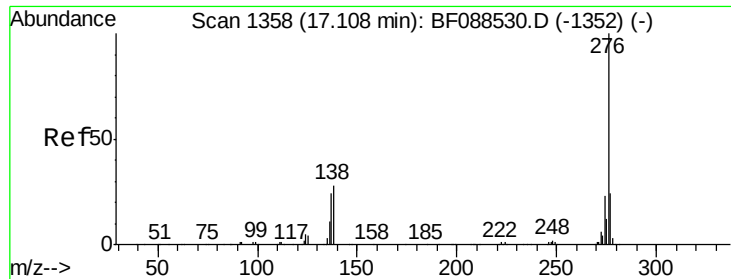
Tgt Ion: 252 Resp: 35619
Ion Ratio Lower Upper
252 100
253 25.6 18.0 27.0
125 22.2 11.2 16.8#



#89
Benzo(a)pyrene
Concen: 4.80 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.03 min
Lab File: BF089008.D
Acq: 15 Jul 2016 2:21

Tgt Ion: 252 Resp: 17527
Ion Ratio Lower Upper
252 100
253 25.1 17.9 26.9
125 25.1 12.5 18.7#





#91

Benzo(g,h,i)perylene

Concen: 4.50 ng

RT: 16.86 min Scan# 1336

Delta R.T. -0.03 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

Instrument :

BNA_F

ClientSampleId :

LSS-SB-XD02

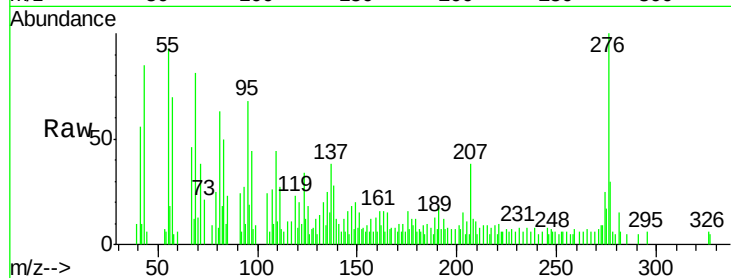
Tgt Ion: 276 Resp: 14209

Ion Ratio Lower Upper

276 100

277 29.9 18.9 28.3#

138 28.4 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

