

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072516\
 Data File : BF089277.D
 Acq On : 25 Jul 2016 14:12
 Operator : UM/SJ
 Sample : H4129-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KSB-14-0.2-2.0

Quant Time: Jul 25 17:17:42 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 25 16:56:43 2016
 Response via : Initial Calibration

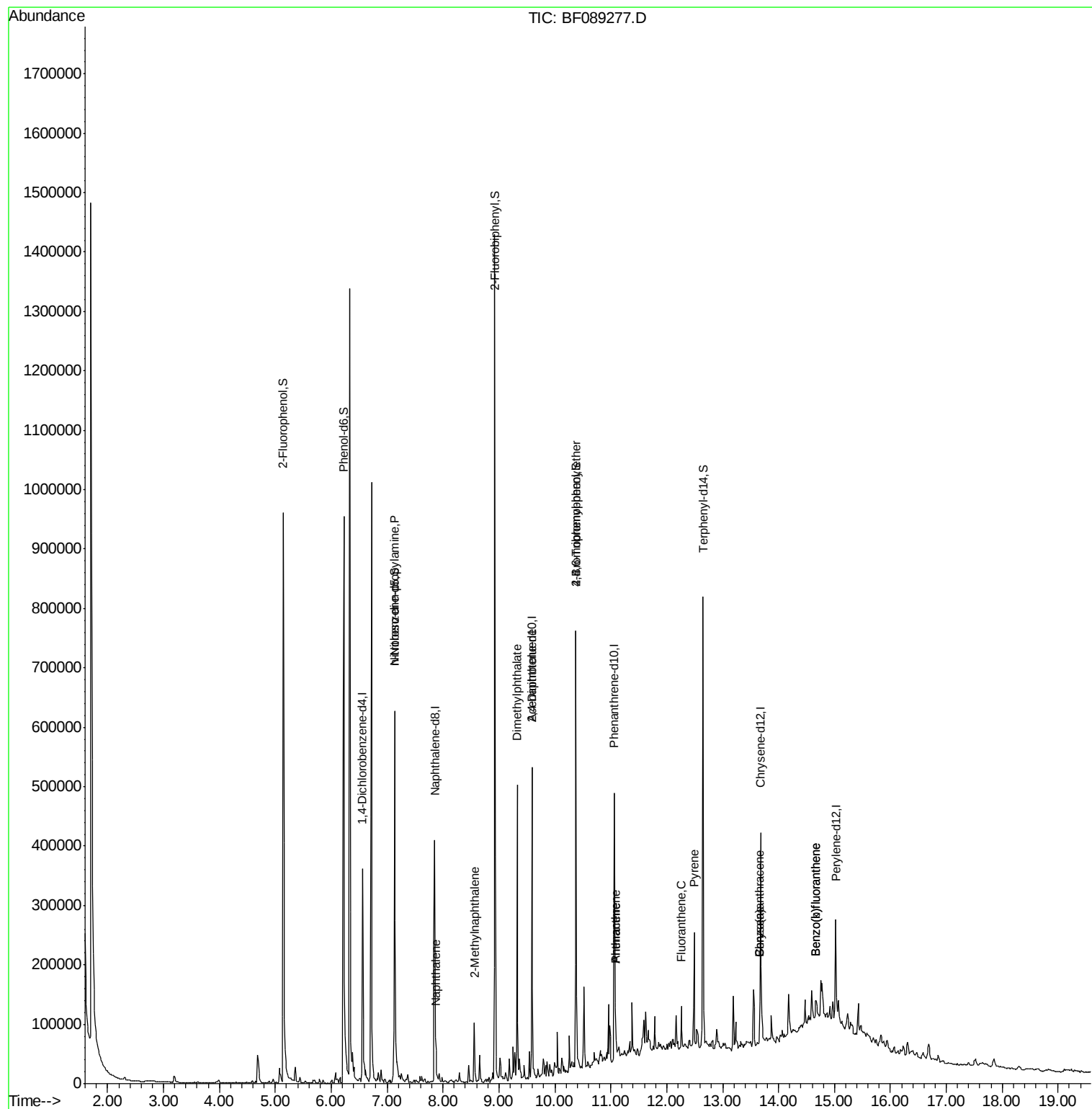
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	63044	20.00	ng	-0.01
21) Naphthalene-d8	7.85	136	237074	20.00	ng	0.00
38) Acenaphthene-d10	9.59	164	100586	20.00	ng	-0.01
63) Phenanthrene-d10	11.06	188	169618	20.00	ng	-0.01
75) Chrysene-d12	13.68	240	118301	20.00	ng	-0.01
86) Perylene-d12	15.03	264	95697	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	357282	86.19	ng	0.00
7) Phenol-d6	6.23	99	511397	95.67	ng	0.00
23) Nitrobenzene-d5	7.13	82	292668	65.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.38	330	70928	78.32	ng	-0.01
44) 2-Fluorobiphenyl	8.92	172	485375	66.49	ng	-0.01
78) Terphenyl-d14	12.65	244	322274	59.09	ng	0.00
Target Compounds						
9) Benzaldehyde	6.08	77	979	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.13	70	39496	11.30	ng	# 82
31) Naphthalene	7.87	128	27546	2.15	ng	98
37) 2-Methylnaphthalene	8.56	142	29141	3.57	ng	97
49) Dimethylphthalate	9.32	163	182782	23.68	ng	99
56) 2,4-Dinitrotoluene	9.59	165	13792	6.14	ng	# 12
66) 4-Bromophenyl-phenylether	10.38	248	5595	3.33	ng	# 1
70) Phenanthrene	11.08	178	27887	3.00	ng	99
71) Anthracene	11.08	178	27887	2.88	ng	97
74) Fluoranthene	12.26	202	29257	2.99	ng	98
77) Pyrene	12.49	202	25980	2.66	ng	97
80) Benzo(a)anthracene	13.67	228	16251	2.16	ng	# 82
82) Chrysene	13.67	228	16251	2.26	ng	# 85
87) Benzo(b)fluoranthene	14.67	252	19451	2.81	ng	# 88
88) Benzo(k)fluoranthene	14.67	252	19626	3.96	ng	# 81

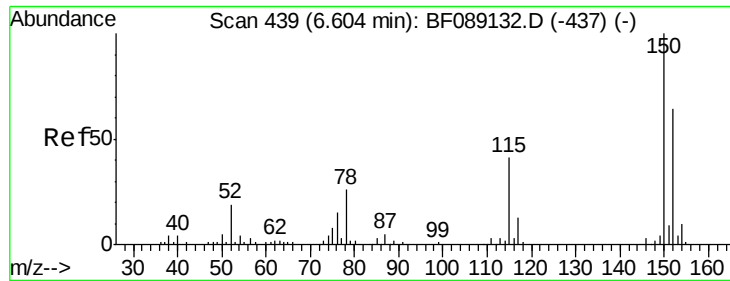
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.01 min

Lab File: BF089277.D

Acq: 25 Jul 2016 14:12

Instrument :

BNA_F

ClientSampleId :

KSB-14-0.2-2.0

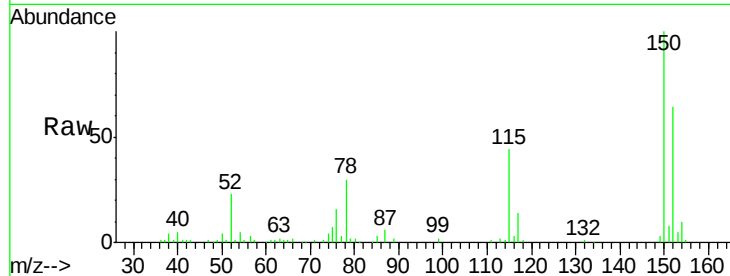
Tgt Ion:152 Resp: 63044

Ion Ratio Lower Upper

152 100

150 156.7 125.1 187.7

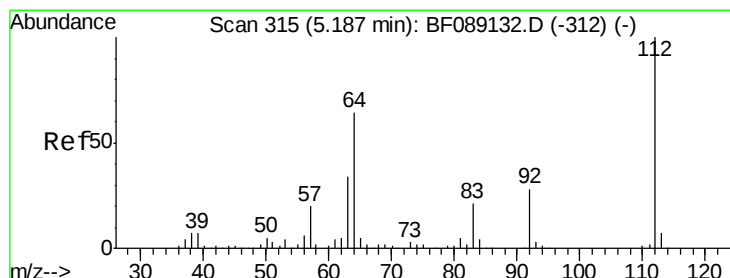
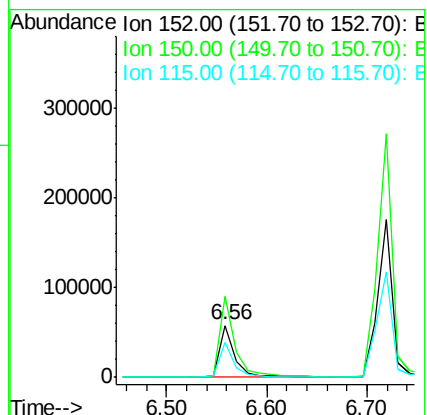
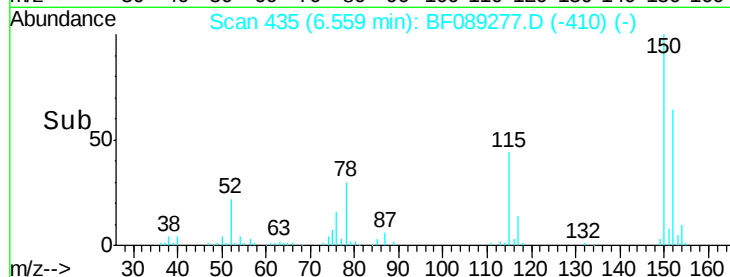
115 68.4 51.1 76.7



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: 86.19 ng

RT: 5.14 min Scan# 311

Delta R.T. -0.00 min

Lab File: BF089277.D

Acq: 25 Jul 2016 14:12

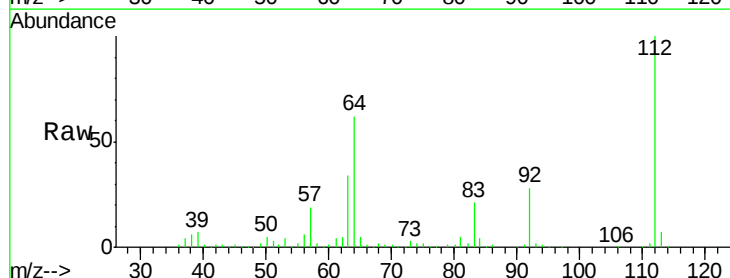
Tgt Ion:112 Resp: 357282

Ion Ratio Lower Upper

112 100

64 61.9 51.0 76.4

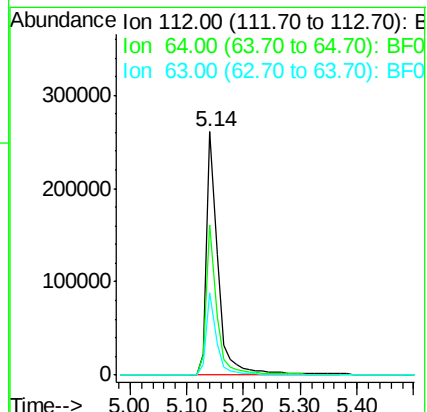
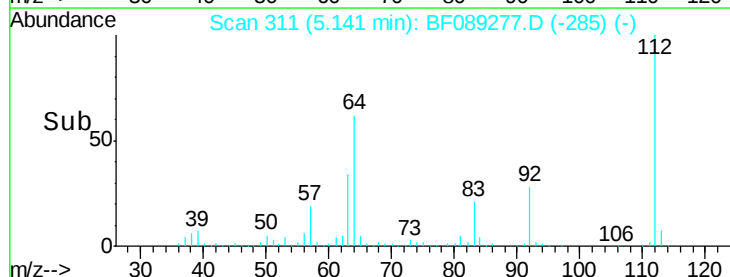
63 33.8 27.3 40.9

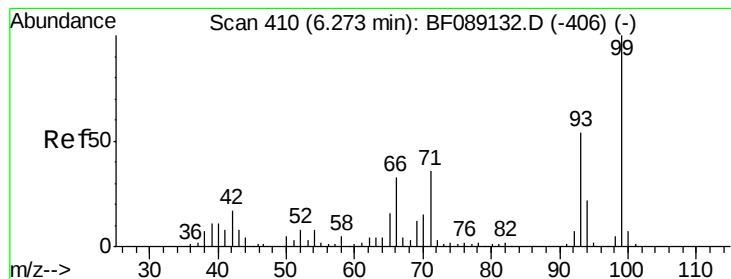


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 95.67 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.00 min

Lab File: BF089277.D

Acq: 25 Jul 2016 14:12

Instrument :

BNA_F

ClientSampleId :

KSB-14-0.2-2.0

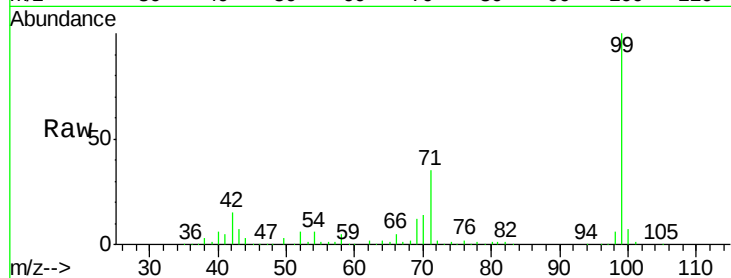
Tgt Ion: 99 Resp: 511397

Ion Ratio Lower Upper

99 100

42 15.2 13.5 20.3

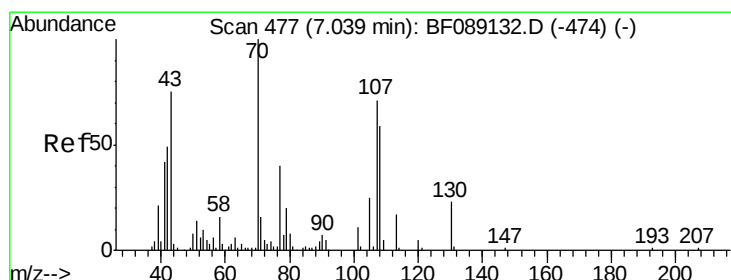
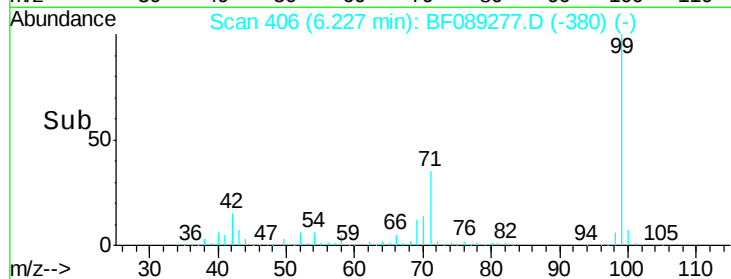
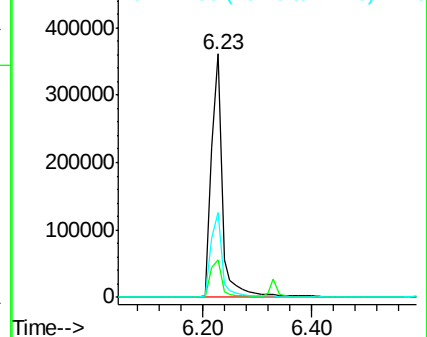
71 34.7 28.9 43.3



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: 11.30 ng

RT: 7.13 min Scan# 485

Delta R.T. 0.13 min

Lab File: BF089277.D

Acq: 25 Jul 2016 14:12

Tgt Ion: 70 Resp: 39496

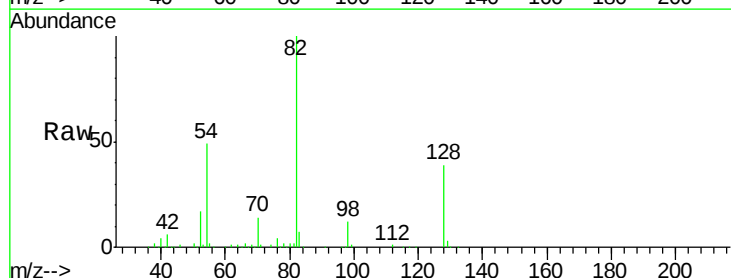
Ion Ratio Lower Upper

70 100

42 46.0 39.2 58.8

101 0.0 8.5 12.7#

130 2.1 18.4 27.6#

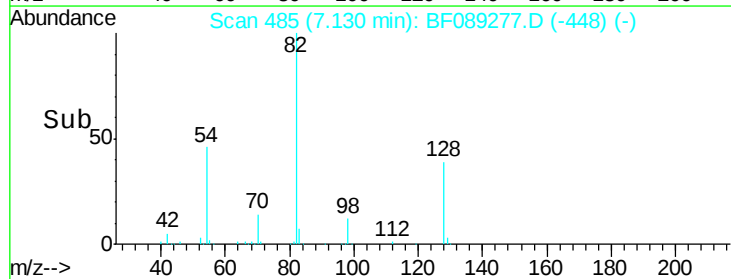
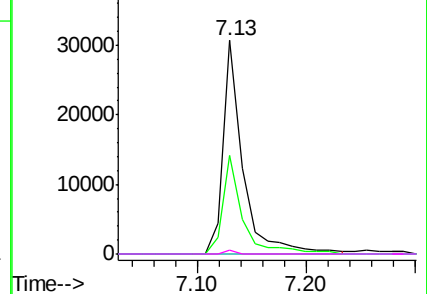


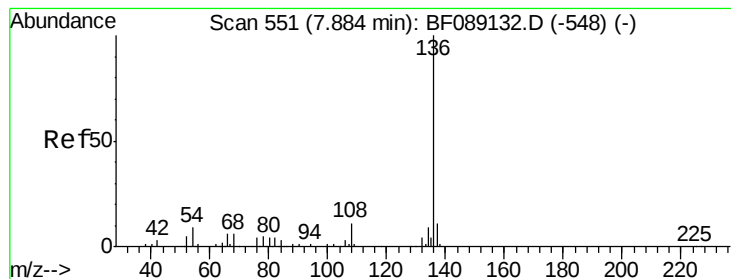
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

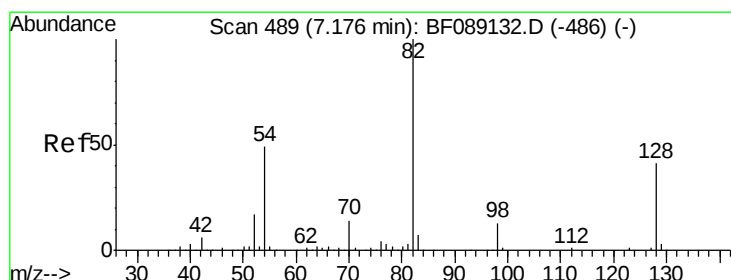
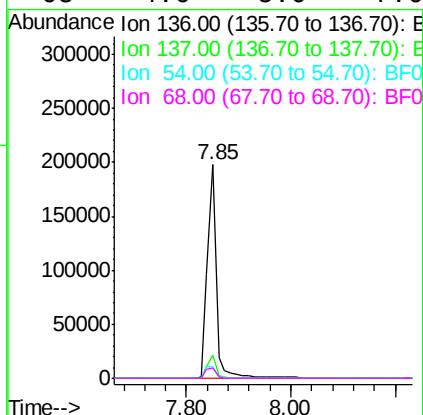
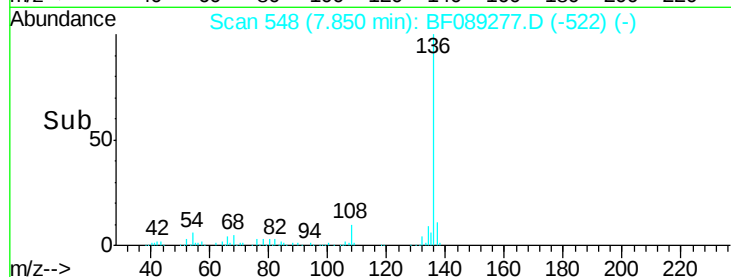
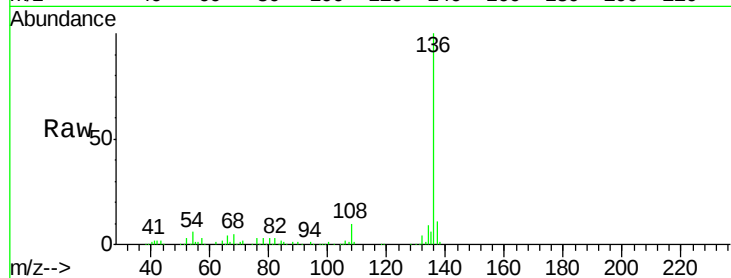




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.00 min
Lab File: BF089277.D
Acq: 25 Jul 2016 14:12

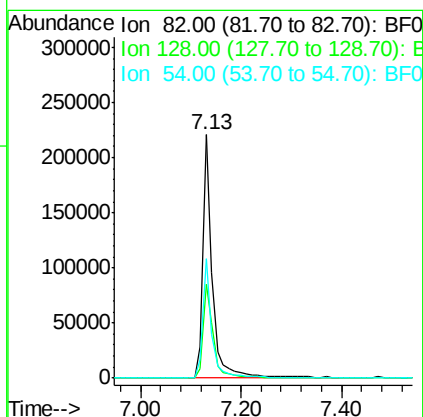
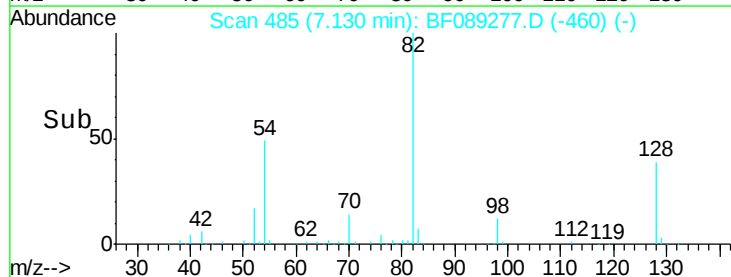
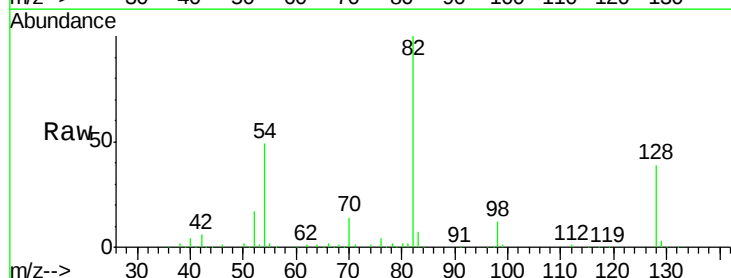
Instrument :
BNA_F
ClientSampleId :
KSB-14-0.2-2.0

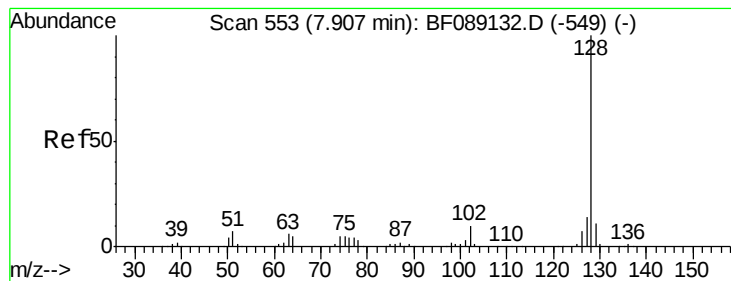
Tgt Ion:	136	Resp:	237074
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	5.6	7.0	10.4#
68	4.6	5.0	7.6#



#23
Nitrobenzene-d5
Concen: 65.59 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.01 min
Lab File: BF089277.D
Acq: 25 Jul 2016 14:12

Tgt Ion:	82	Resp:	292668
Ion	Ratio	Lower	Upper
82	100		
128	38.7	33.0	49.6
54	49.1	39.0	58.4





#31

Naphthalene

Concen: 2.15 ng

RT: 7.87 min Scan# 550

Delta R.T. -0.00 min

Lab File: BF089277.D

Acq: 25 Jul 2016 14:12

Instrument :

BNA_F

ClientSampleId :

KSB-14-0.2-2.0

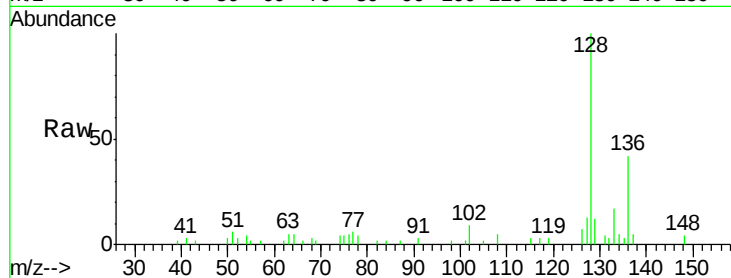
Tgt Ion:128 Resp: 27546

Ion Ratio Lower Upper

128 100

129 11.6 8.9 13.3

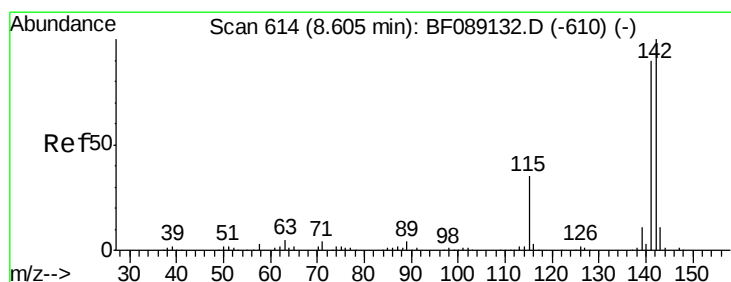
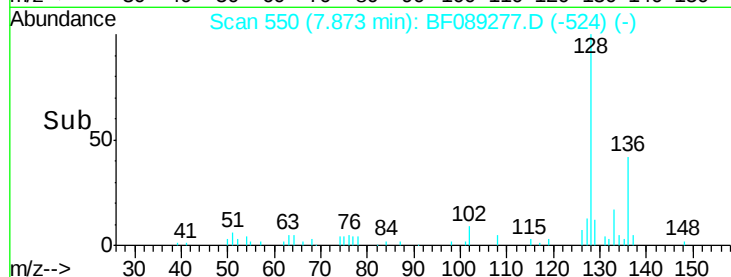
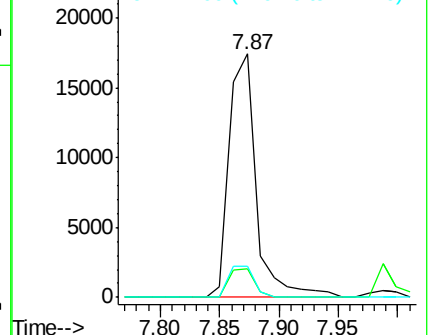
127 12.8 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 3.57 ng

RT: 8.56 min Scan# 610

Delta R.T. -0.01 min

Lab File: BF089277.D

Acq: 25 Jul 2016 14:12

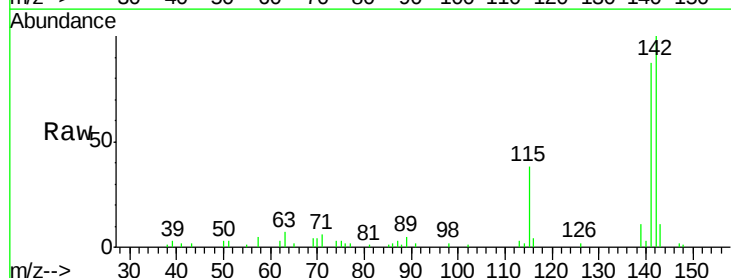
Tgt Ion:142 Resp: 29141

Ion Ratio Lower Upper

142 100

141 87.4 71.6 107.4

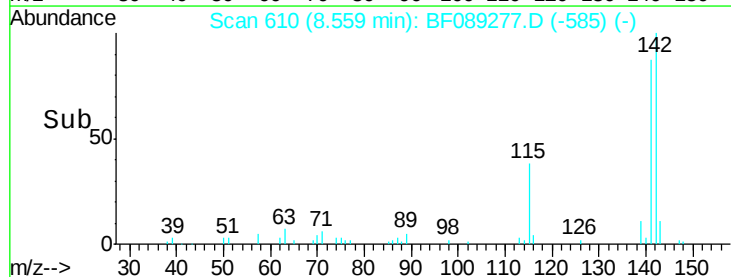
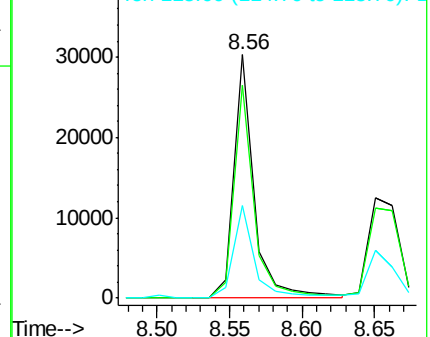
115 37.8 27.6 41.4

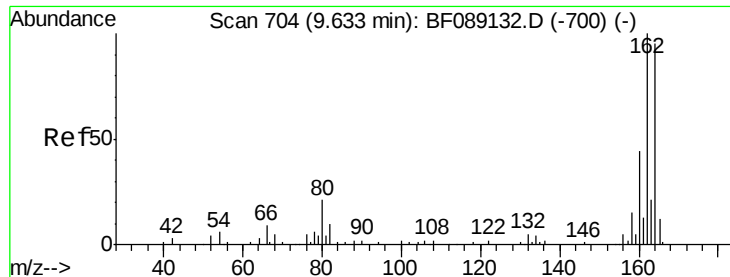


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.01 min

Lab File: BF089277.D

Acq: 25 Jul 2016 14:12

Instrument :

BNA_F

ClientSampleId :

KSB-14-0.2-2.0

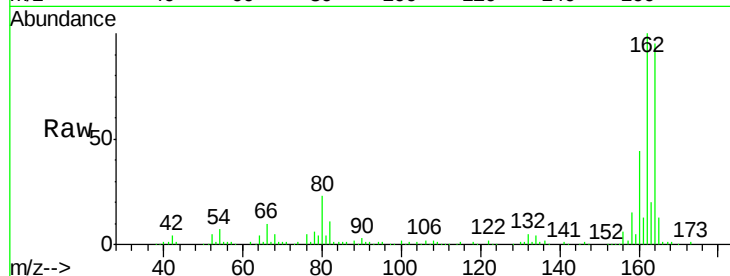
Tgt Ion:164 Resp: 100586

Ion Ratio Lower Upper

164 100

162 105.7 84.1 126.1

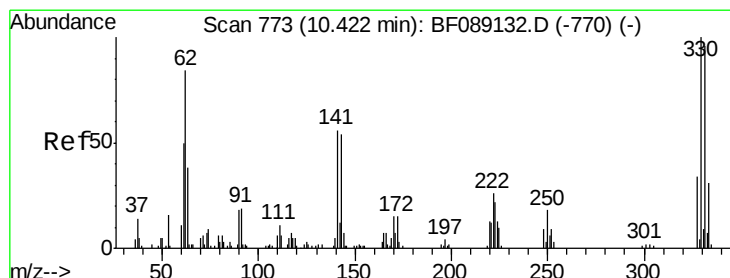
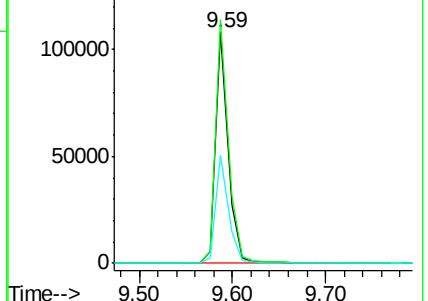
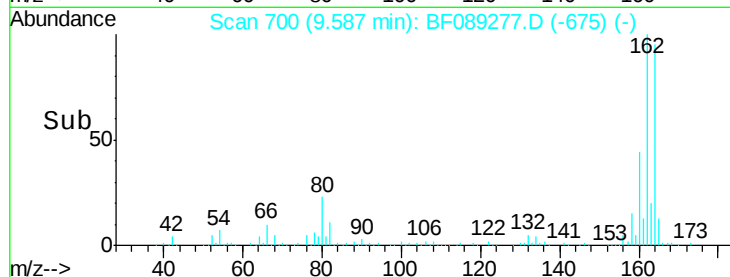
160 46.9 37.1 55.7



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: 78.32 ng

RT: 10.38 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF089277.D

Acq: 25 Jul 2016 14:12

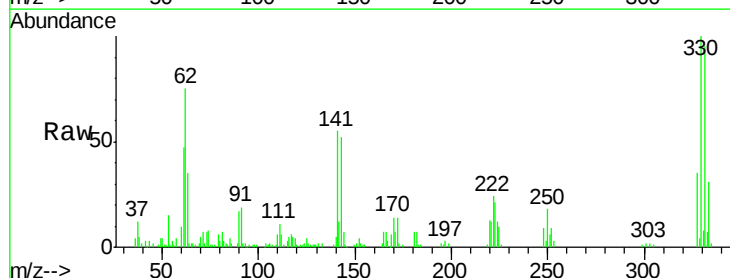
Tgt Ion:330 Resp: 70928

Ion Ratio Lower Upper

330 100

332 96.8 77.2 115.8

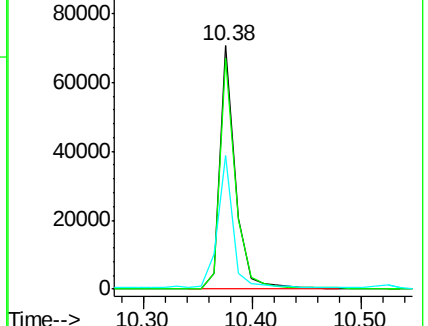
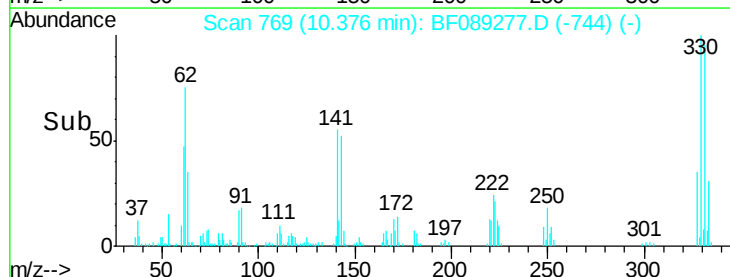
141 57.0 42.2 63.2

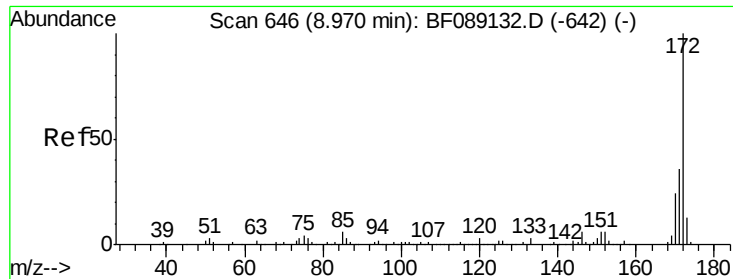


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

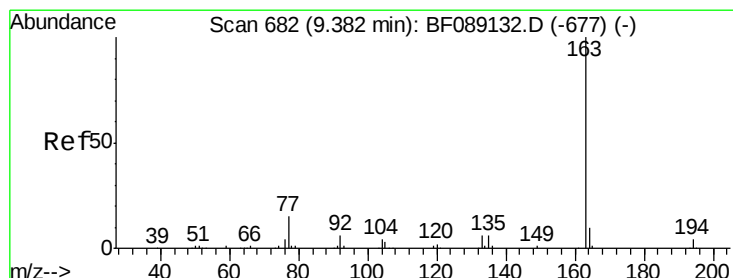
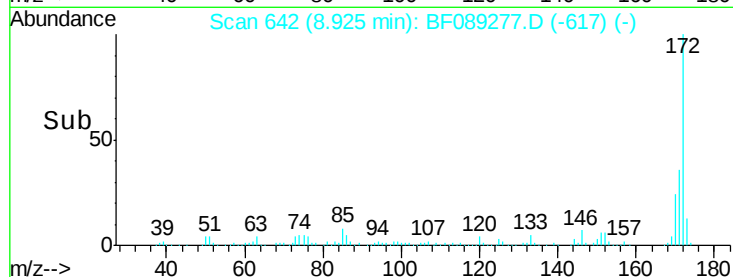
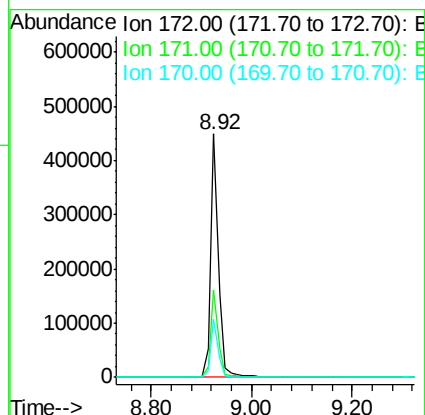
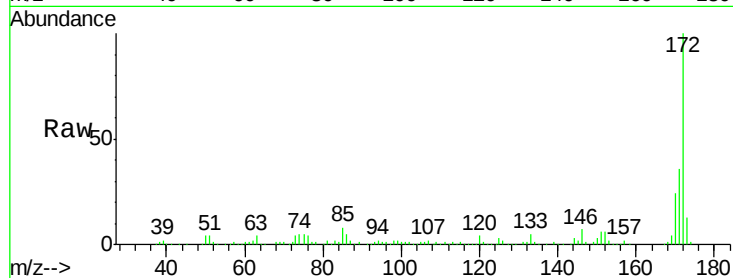




#44
 2-Fluorobiphenyl
 Concen: 66.49 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: BF089277.D
 Acq: 25 Jul 2016 14:12

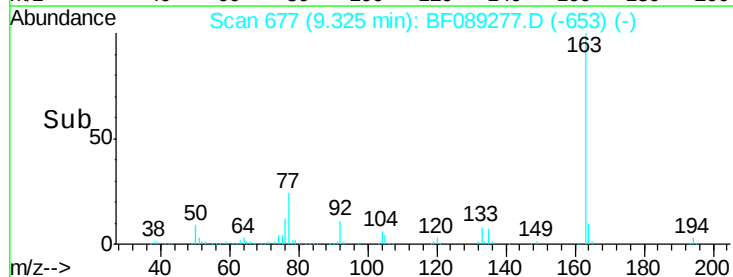
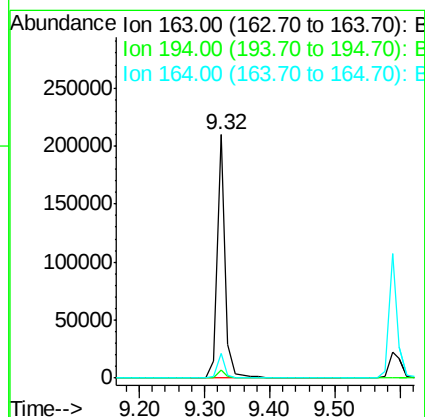
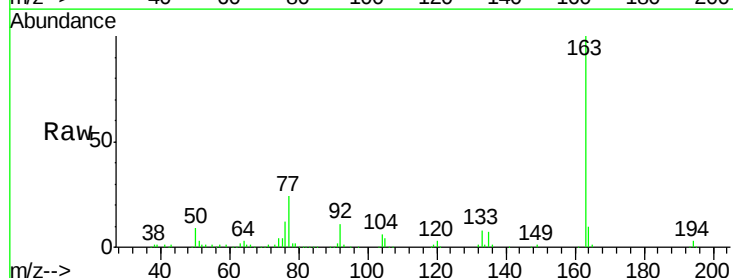
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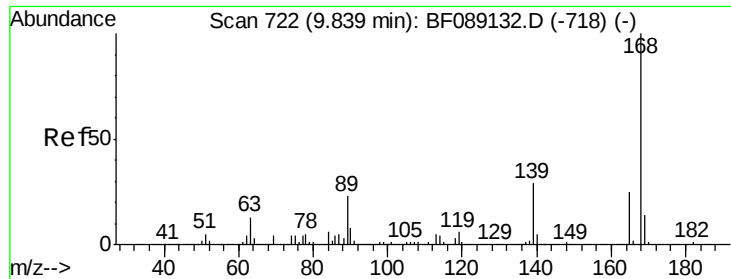
Tgt Ion:172 Resp: 485375
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.2 43.8
 170 23.6 19.1 28.7



#49
 Dimethylphthalate
 Concen: 23.68 ng
 RT: 9.32 min Scan# 677
 Delta R.T. -0.02 min
 Lab File: BF089277.D
 Acq: 25 Jul 2016 14:12

Tgt Ion:163 Resp: 182782
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.9 4.3
 164 10.0 7.6 11.4

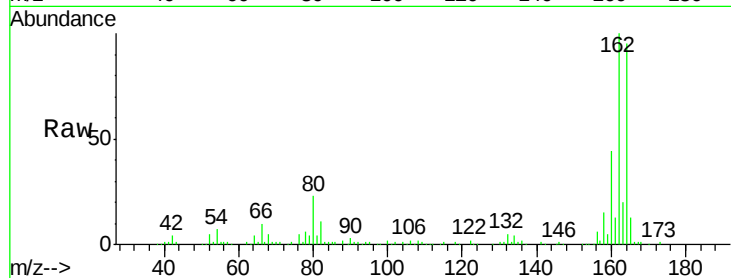




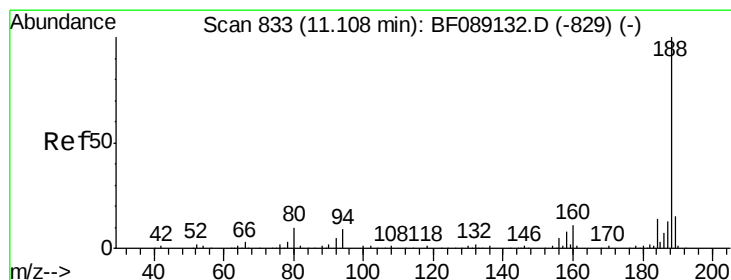
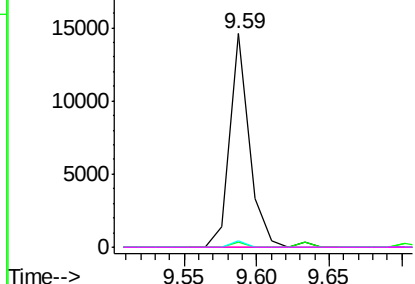
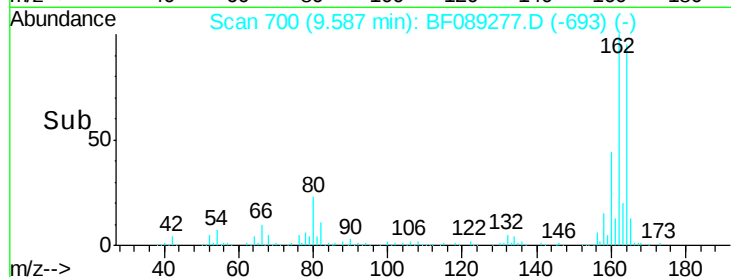
#56
 2,4-Dinitrotoluene
 Concen: 6.14 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.22 min
 Lab File: BF089277.D
 Acq: 25 Jul 2016 14:12

Instrument :
 BNA_F
 ClientSampleId :
 KSB-14-0.2-2.0

Tgt Ion:165 Resp: 13792
 Ion Ratio Lower Upper
 165 100
 63 2.4 55.4 83.2#
 89 2.7 74.3 111.5#
 182 0.0 2.0 3.0#

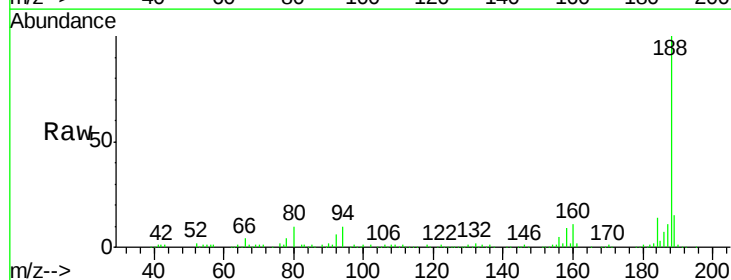


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

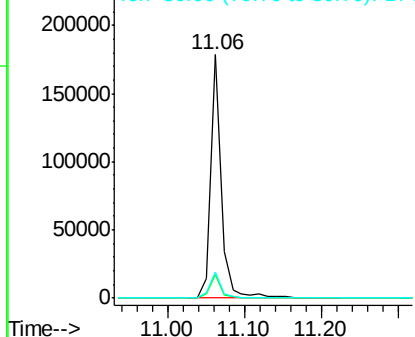
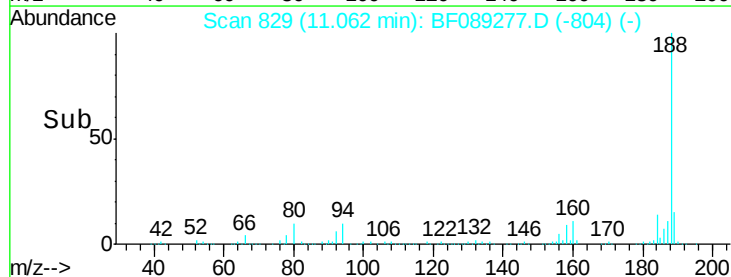


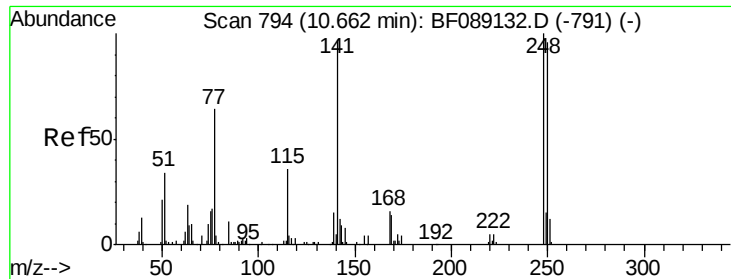
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.06 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BF089277.D
 Acq: 25 Jul 2016 14:12

Tgt Ion:188 Resp: 169618
 Ion Ratio Lower Upper
 188 100
 94 9.6 7.0 10.4
 80 10.4 7.7 11.5



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

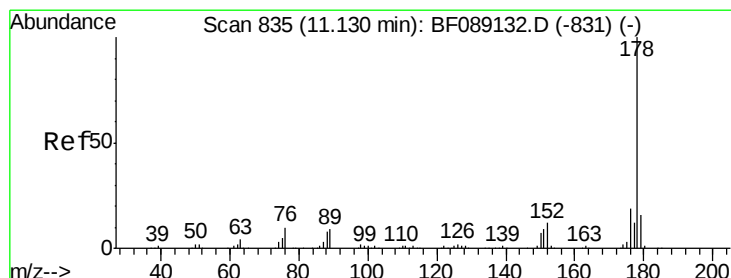
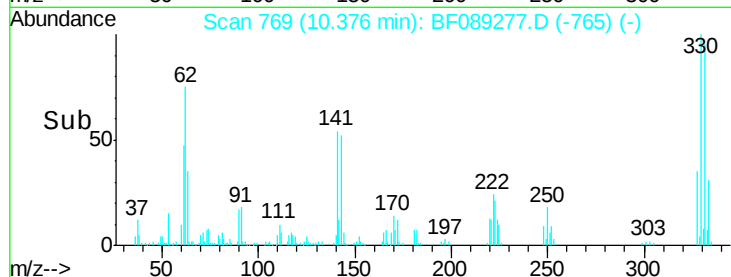
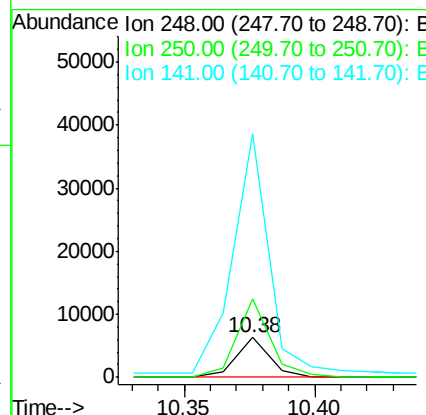
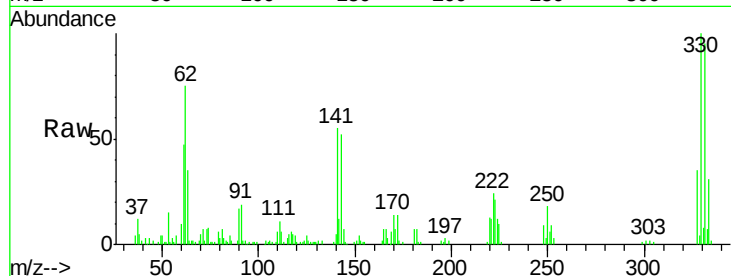




#66
4-Bromophenyl-phenylether
Concen: 3.33 ng
RT: 10.38 min Scan# 769
Delta R.T. -0.25 min
Lab File: BF089277.D
Acq: 25 Jul 2016 14:12

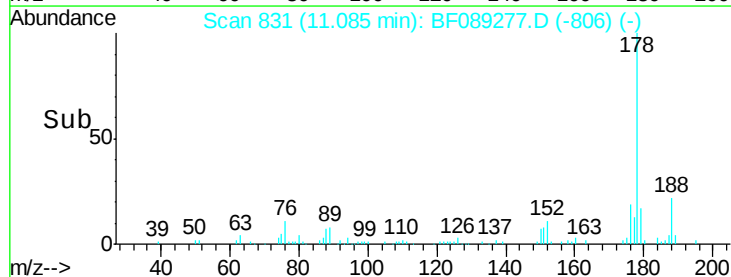
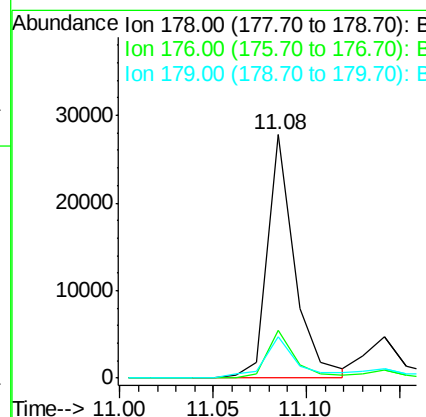
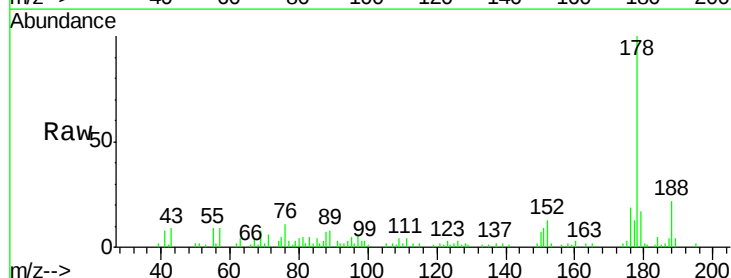
Instrument :
BNA_F
ClientSampleId :
KSB-14-0.2-2.0

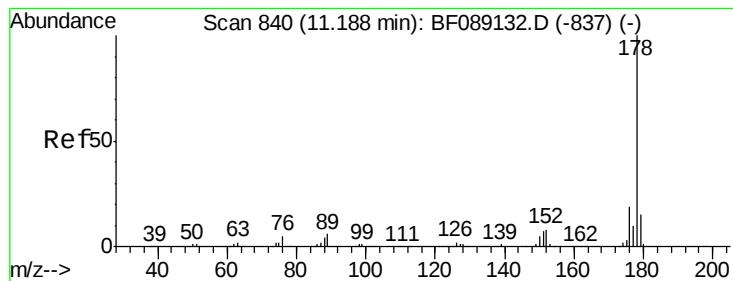
Tgt Ion:248 Resp: 5595
Ion Ratio Lower Upper
248 100
250 198.9 76.9 115.3#
141 616.6 77.4 116.2#



#70
Phenanthrene
Concen: 3.00 ng
RT: 11.08 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF089277.D
Acq: 25 Jul 2016 14:12

Tgt Ion:178 Resp: 27887
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 16.8 12.4 18.6





#71

Anthracene

Concen: 2.88 ng

RT: 11.08 min Scan# 831

Delta R.T. -0.06 min

Lab File: BF089277.D

Acq: 25 Jul 2016 14:12

Instrument :

BNA_F

ClientSampleId :

KSB-14-0.2-2.0

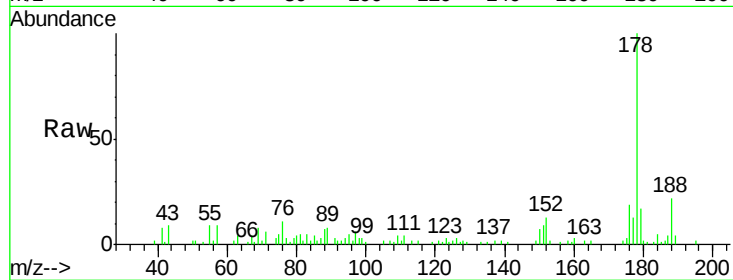
Tgt Ion:178 Resp: 27887

Ion Ratio Lower Upper

178 100

176 19.4 14.9 22.3

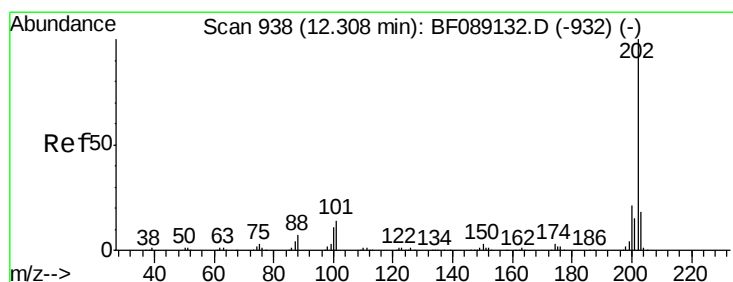
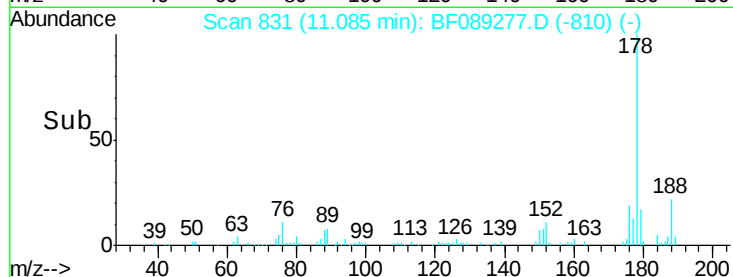
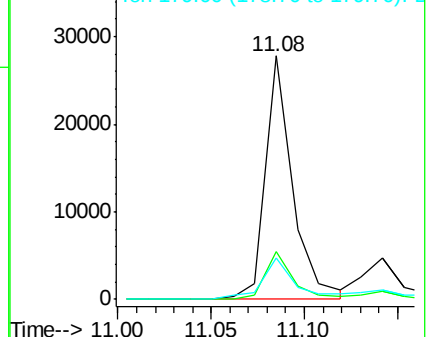
179 16.8 12.0 18.0



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: 2.99 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF089277.D

Acq: 25 Jul 2016 14:12

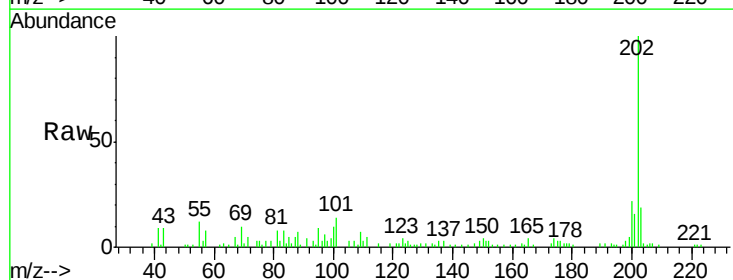
Tgt Ion:202 Resp: 29257

Ion Ratio Lower Upper

202 100

101 14.0 0.0 34.0

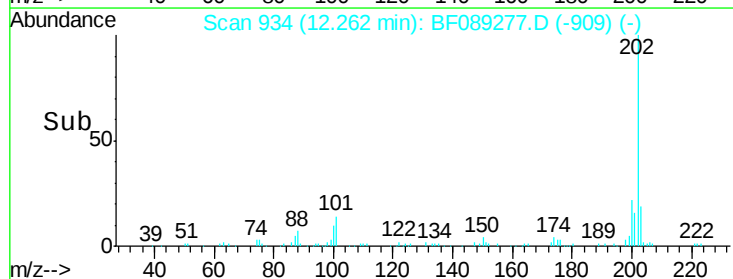
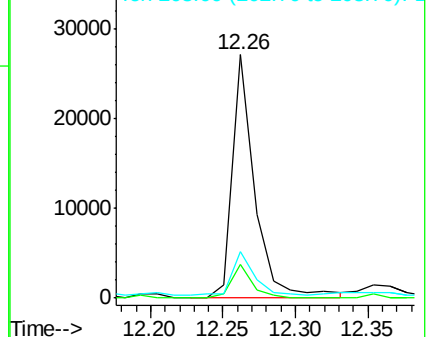
203 19.2 0.0 37.8

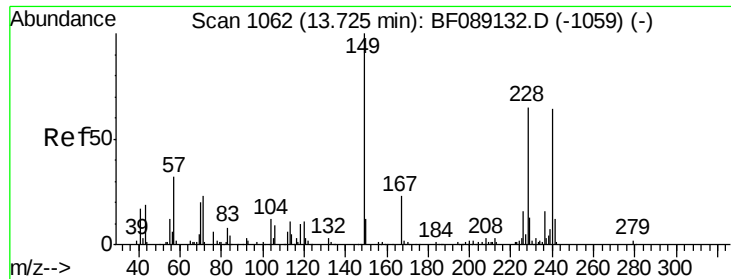


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.68 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF089277.D

Acq: 25 Jul 2016 14:12

Instrument :

BNA_F

ClientSampleId :

KSB-14-0.2-2.0

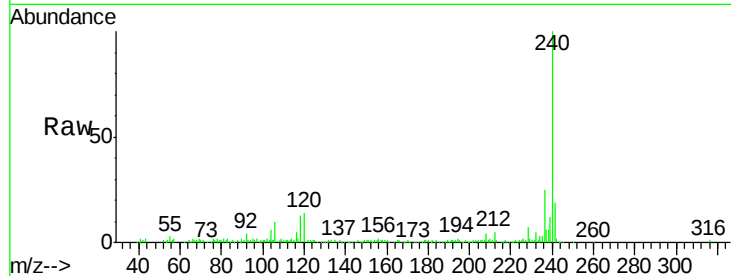
Tgt Ion:240 Resp: 118301

Ion Ratio Lower Upper

240 100

120 14.4 13.6 20.4

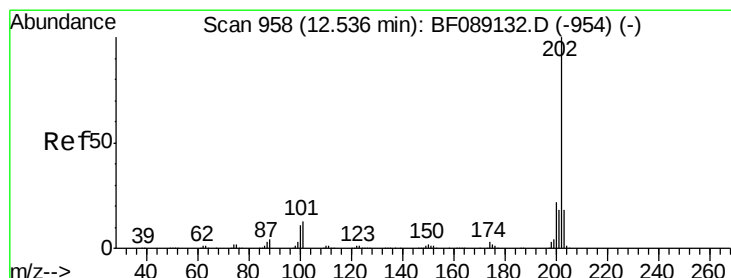
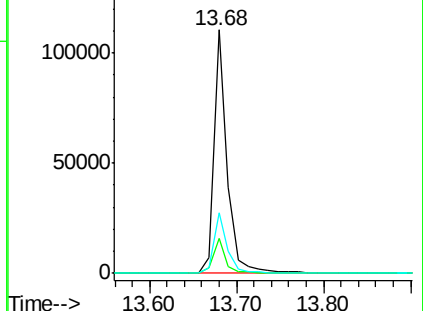
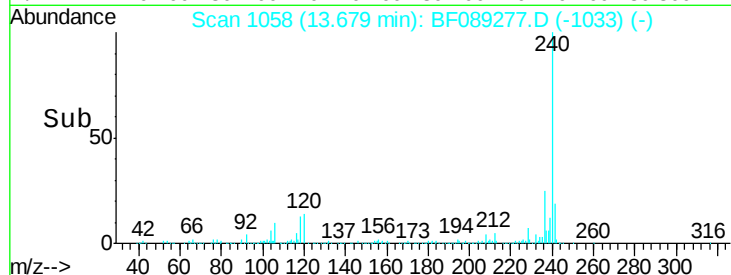
236 25.1 20.5 30.7



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: 2.66 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.00 min

Lab File: BF089277.D

Acq: 25 Jul 2016 14:12

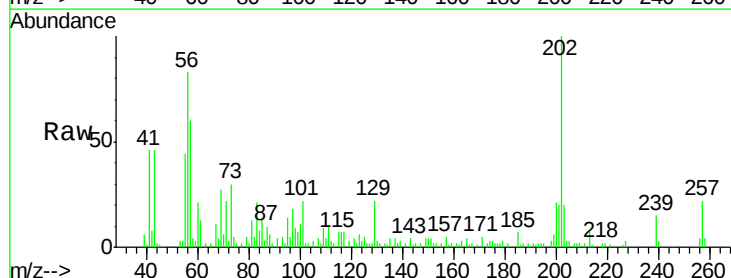
Tgt Ion:202 Resp: 25980

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.0

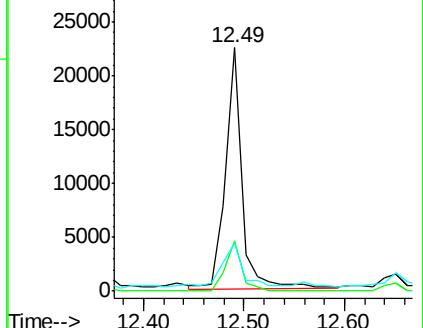
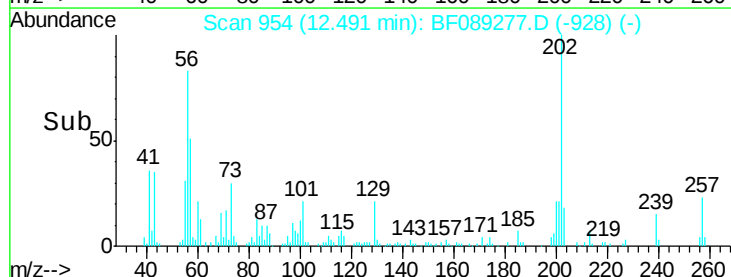
203 19.5 14.2 21.2

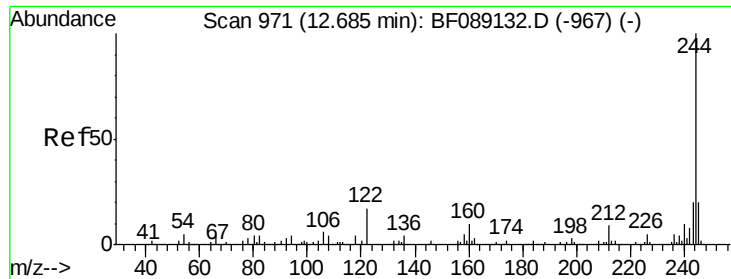


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

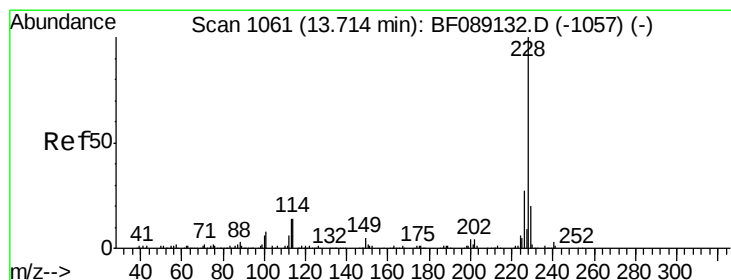
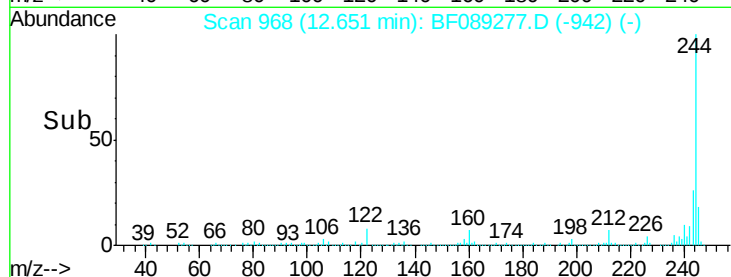
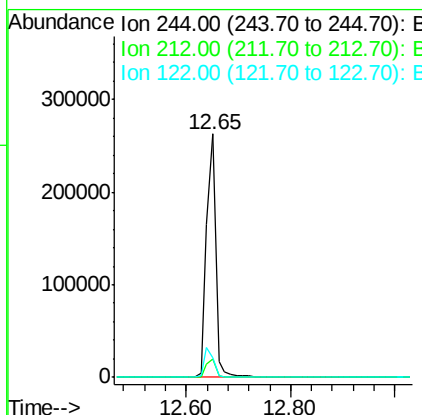
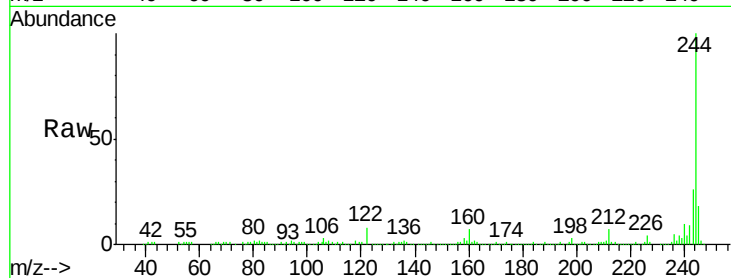




#78
 Terphenyl-d14
 Concen: 59.09 ng
 RT: 12.65 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: BF089277.D
 Acq: 25 Jul 2016 14:12

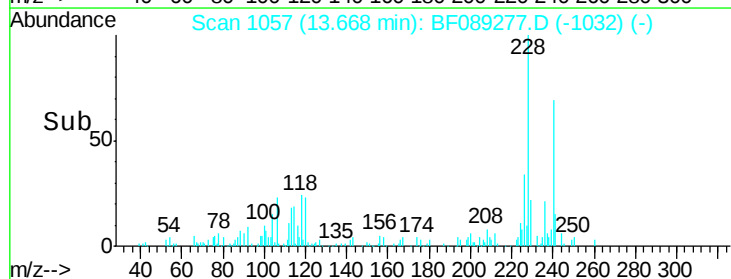
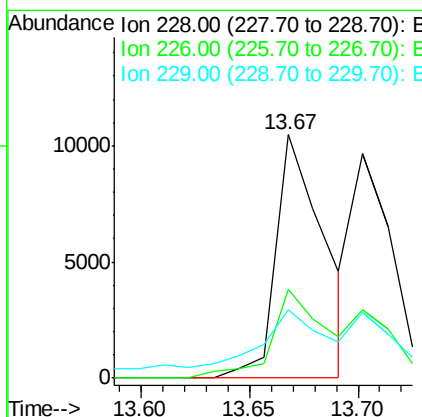
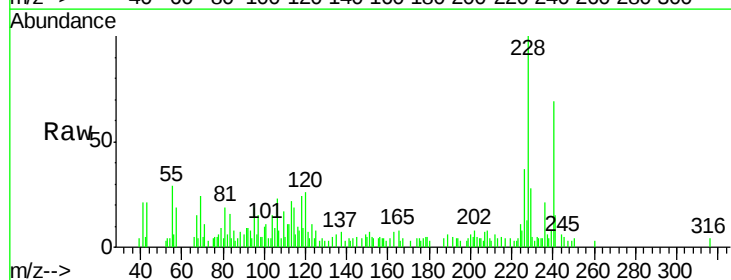
Instrument :
 BNA_F
 ClientSampleId :
 KSB-14-0.2-2.0

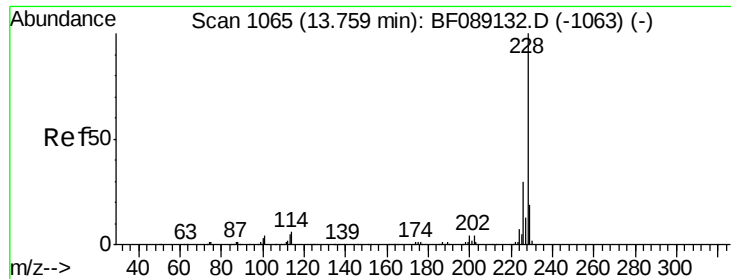
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	7.0	10.4
122	8.2	13.8	20.8#



#80
 Benzo(a)anthracene
 Concen: 2.16 ng
 RT: 13.67 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: BF089277.D
 Acq: 25 Jul 2016 14:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.7	21.8	32.8#
229	28.0	15.8	23.8#





#82

Chrysene

Concen: 2.26 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.05 min

Lab File: BF089277.D

Acq: 25 Jul 2016 14:12

Instrument :

BNA_F

ClientSampleId :

KSB-14-0.2-2.0

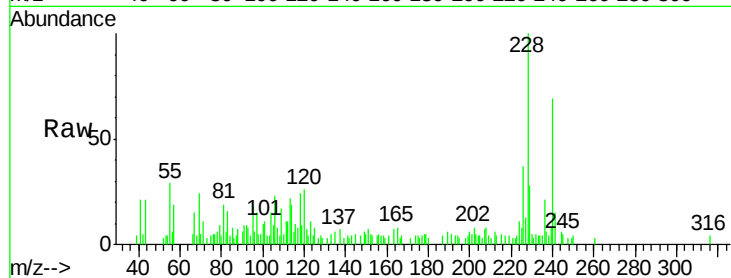
Tgt Ion:228 Resp: 16251

Ion Ratio Lower Upper

228 100

226 36.7 23.8 35.8#

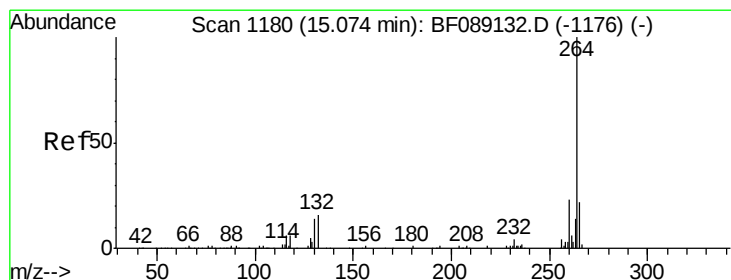
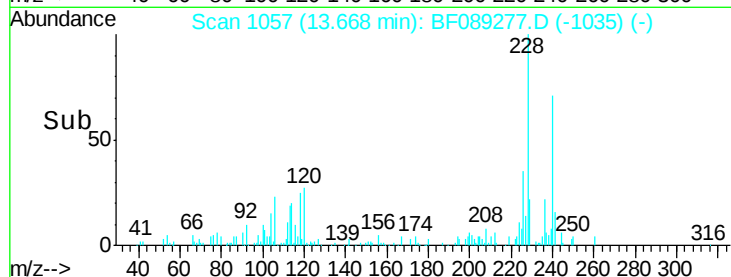
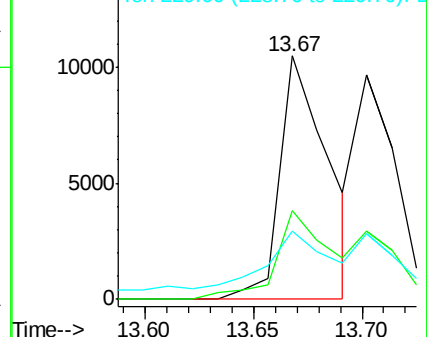
229 28.0 15.4 23.0#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.03 min Scan# 1176

Delta R.T. -0.00 min

Lab File: BF089277.D

Acq: 25 Jul 2016 14:12

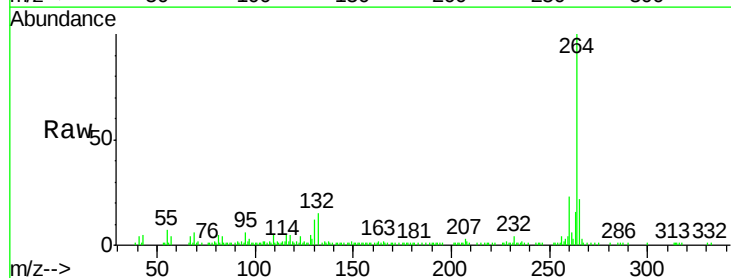
Tgt Ion:264 Resp: 95697

Ion Ratio Lower Upper

264 100

260 22.6 18.5 27.7

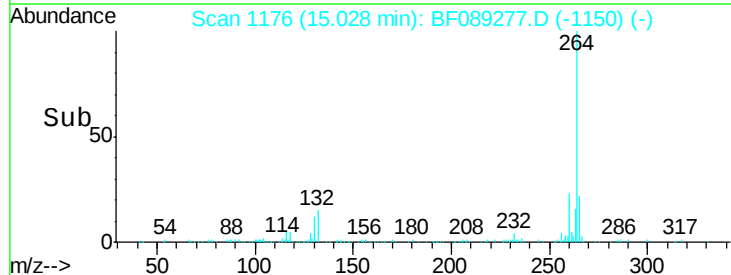
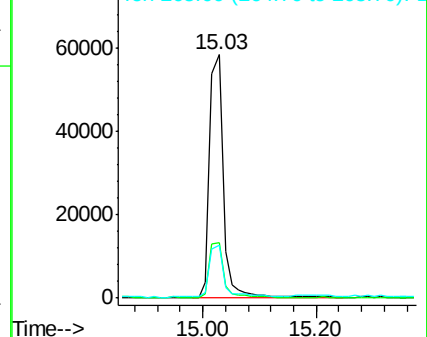
265 21.6 17.3 25.9

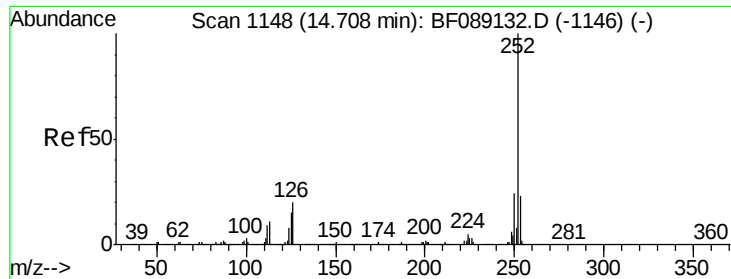


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.81 ng

RT: 14.67 min Scan# 1145

Delta R.T. -0.00 min

Lab File: BF089277.D

Acq: 25 Jul 2016 14:12

Instrument :

BNA_F

ClientSampleId :

KSB-14-0.2-2.0

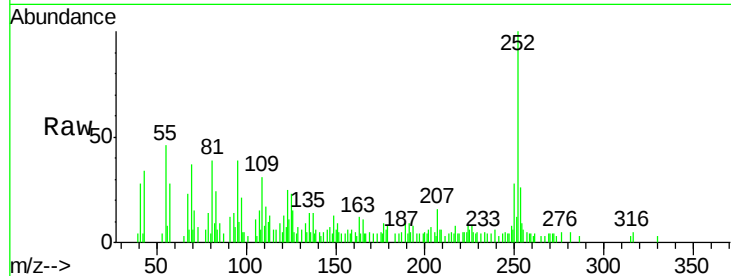
Tgt Ion:252 Resp: 19451

Ion Ratio Lower Upper

252 100

253 26.4 18.2 27.2

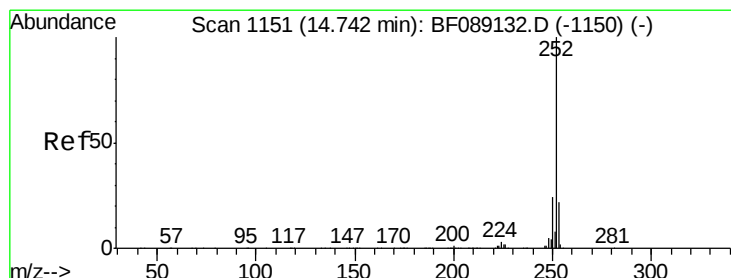
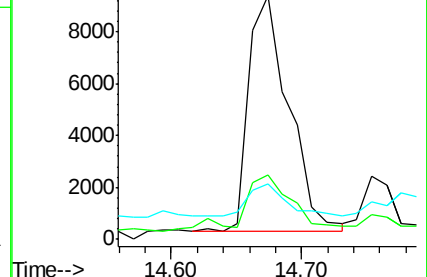
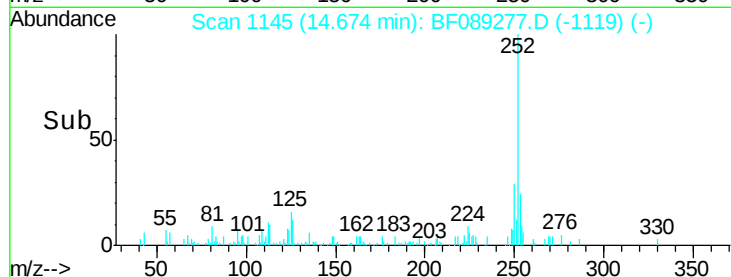
125 22.8 11.9 17.9#



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



#88

Benzo(k)fluoranthene

Concen: 3.96 ng

RT: 14.67 min Scan# 1145

Delta R.T. -0.02 min

Lab File: BF089277.D

Acq: 25 Jul 2016 14:12

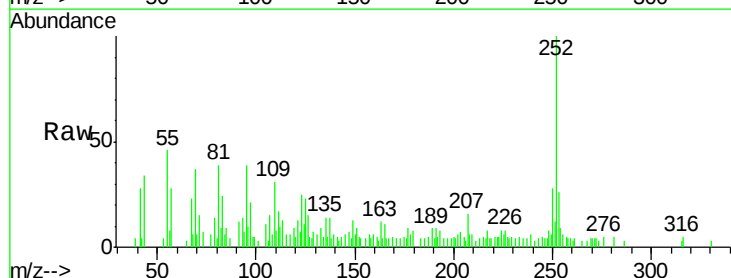
Tgt Ion:252 Resp: 19626

Ion Ratio Lower Upper

252 100

253 26.4 17.3 25.9#

125 22.8 6.3 9.5#



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

