

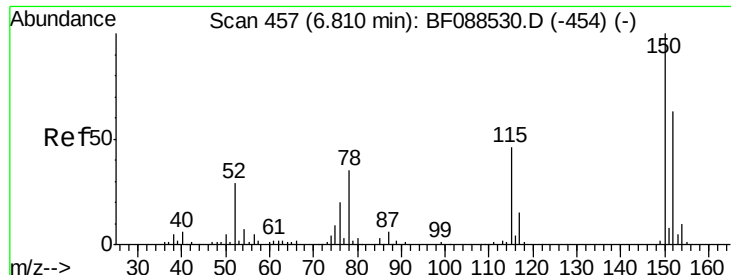
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
 Data File : BF089021.D
 Acq On : 15 Jul 2016 17:26
 Operator : UM/SJ
 Sample : H3972-05 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB09(0-2in)

Quant Time: Jul 16 00:34:10 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 16 00:31:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	60068	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	233800	20.00	ng	0.00
38) Acenaphthene-d10	9.71	164	89446	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	135244	20.00	ng	0.00
75) Chrysene-d12	13.81	240	109874	20.00	ng	-0.01
86) Perylene-d12	15.18	264	82140	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	186307	46.48	ng	0.00
7) Phenol-d6	6.33	99	241021	46.54	ng	0.00
23) Nitrobenzene-d5	7.24	82	139811	31.34	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	28609	34.44	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	250722	44.28	ng	0.00
78) Terphenyl-d14	12.77	244	138045	27.98	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.44	163	50829	7.98	ng	99
70) Phenanthrene	11.21	178	22575	3.05	ng	98
74) Fluoranthene	12.39	202	50050	6.68	ng	96
77) Pyrene	12.62	202	47845	5.14	ng	97
79) Butylbenzylphthalate	13.25	149	20698	4.98	ng	93
80) Benzo(a)anthracene	13.79	228	28409	4.02	ng	95
82) Chrysene	13.83	228	19993m	2.86	ng	
83) Bis(2-ethylhexyl)phthalate	13.81	149	25385	5.35	ng	98
85) Indeno(1,2,3-cd)pyrene	16.43	276	10778	2.00	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	29437m	5.71	ng	
89) Benzo(a)pyrene	15.12	252	18185	4.17	ng	97
91) Benzo(a,h,i)perylene	16.82	276	10785	2.86	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 445

Delta R.T. 0.00 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB09(0-2in)

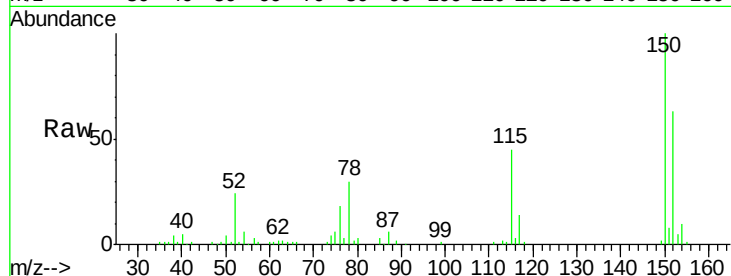
Tot Ion:152 Resp: 60068

Ion Ratio Lower Upper

152 100

150 158.1 123.8 185.6

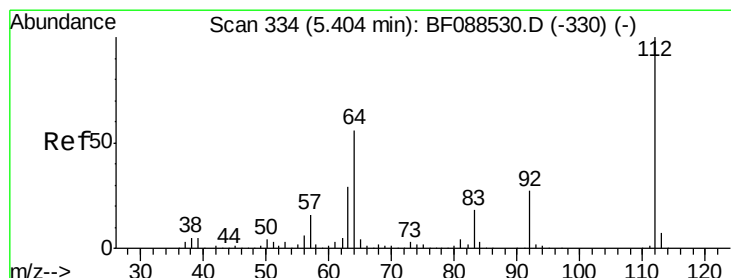
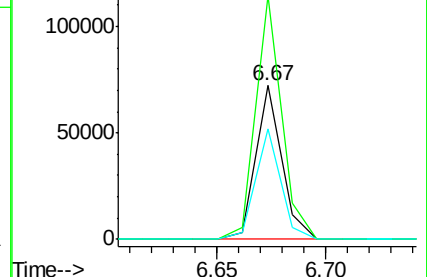
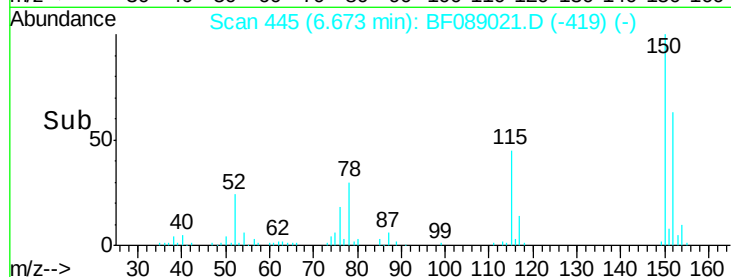
115 71.5 39.6 59.4#



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: 46.48 ng

RT: 5.27 min Scan# 322

Delta R.T. 0.00 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

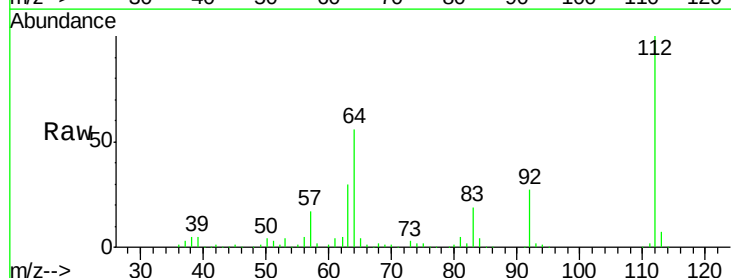
Tgt Ion:112 Resp: 186307

Ion Ratio Lower Upper

112 100

64 55.6 42.2 63.2

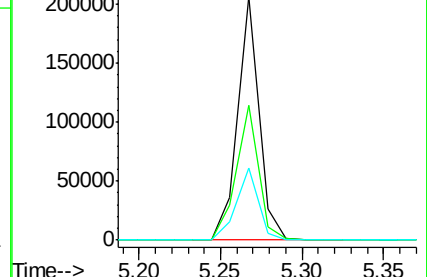
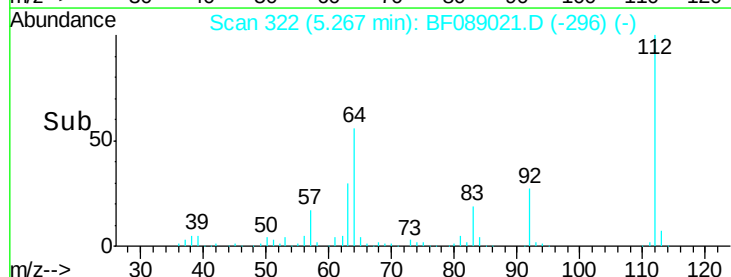
63 29.8 21.8 32.8

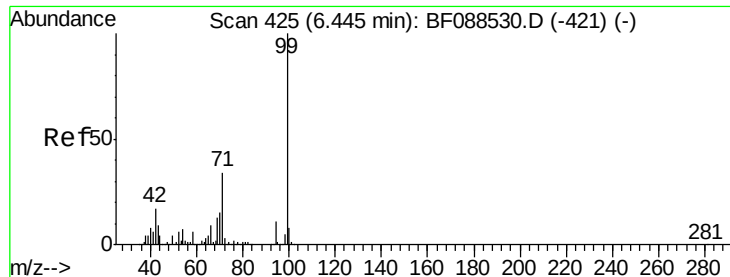


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 46.54 ng

RT: 6.33 min Scan# 415

Delta R.T. 0.00 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB09(0-2in)

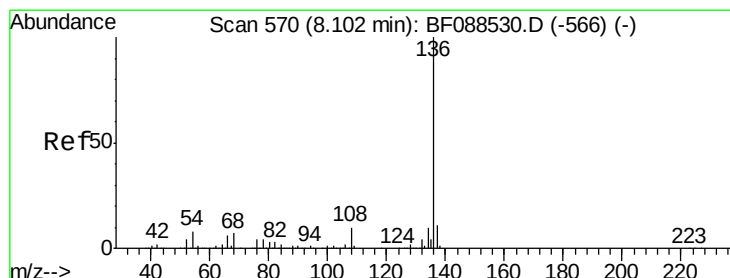
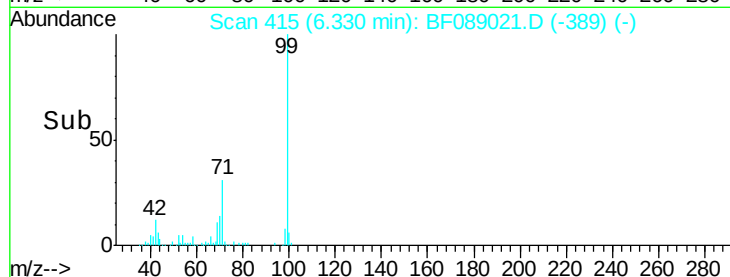
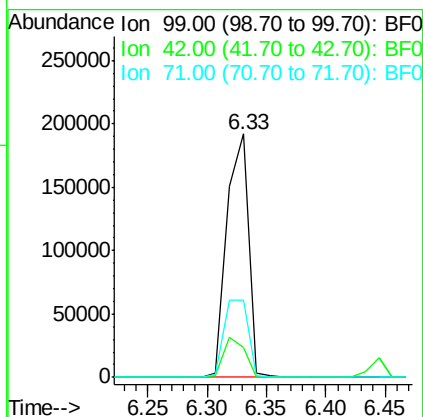
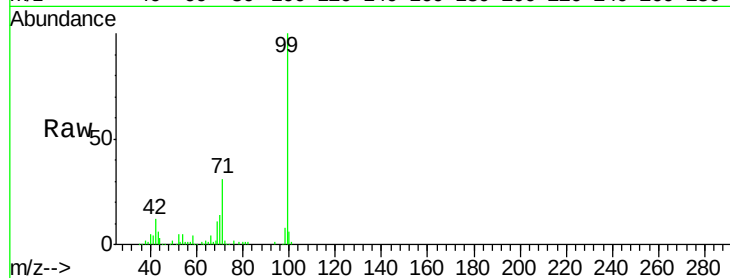
Tot Ion: 99 Resp: 241021

Ion Ratio Lower Upper

99 100

42 12.1 12.2 18.2#

71 31.5 23.4 35.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. 0.00 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

Tgt Ion: 136 Resp: 233800

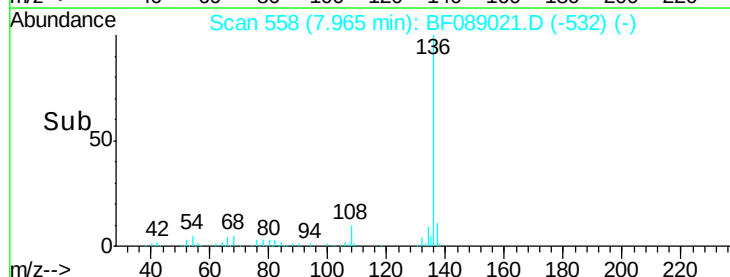
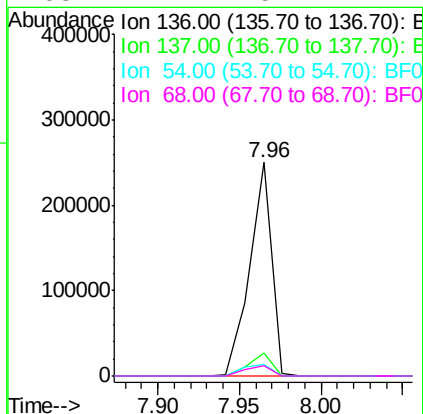
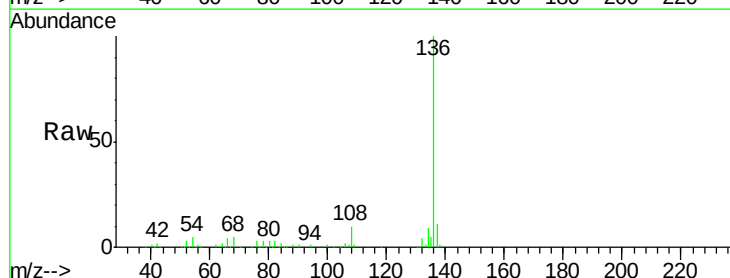
Ion Ratio Lower Upper

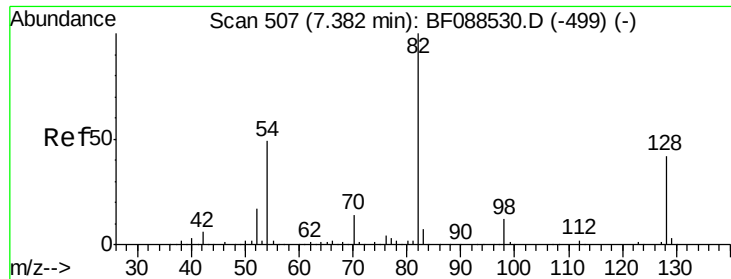
136 100

137 10.6 9.1 13.7

54 5.4 6.6 10.0#

68 4.7 5.1 7.7#

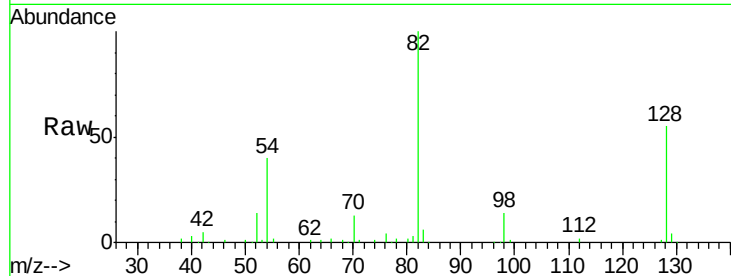




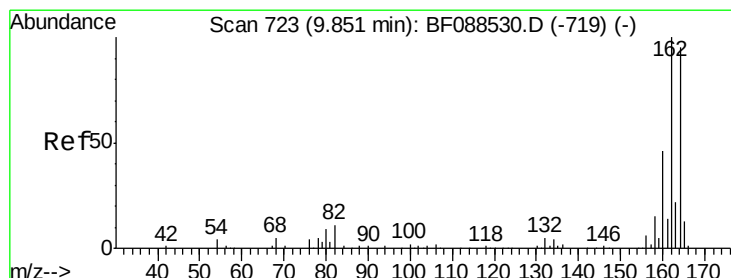
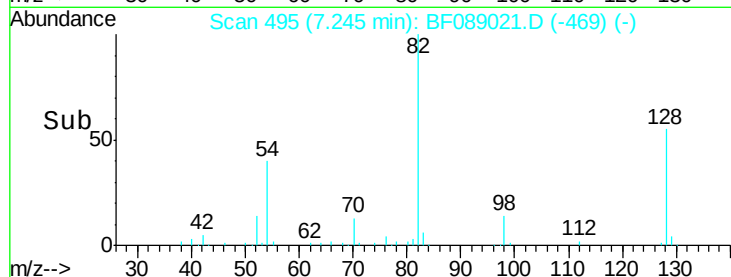
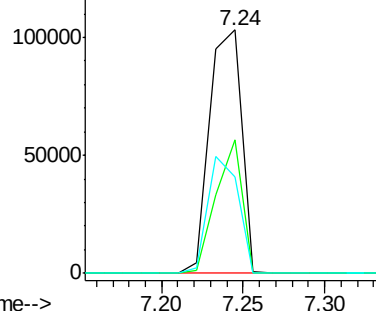
#23
 Nitrobenzene-d5
 Concen: 31.34 ng
 RT: 7.24 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: BF089021.D
 Acq: 15 Jul 2016 17:26

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB09(0-2in)

Tot Ion	82	Resp	139811
Ion Ratio	100		
Lower		35.9	
Upper		53.9	
128	54.8		
54	39.6		

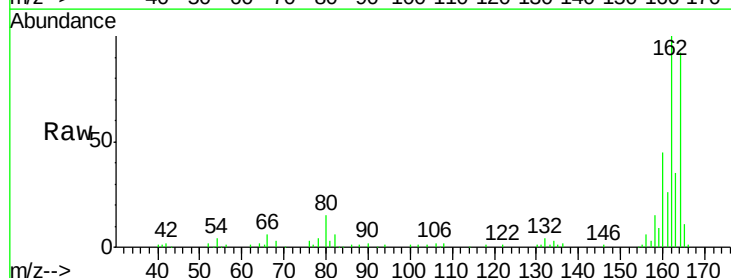


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

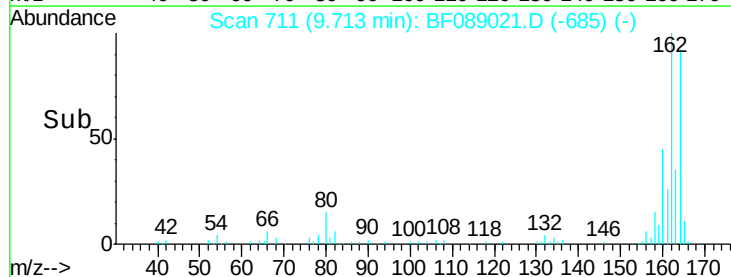
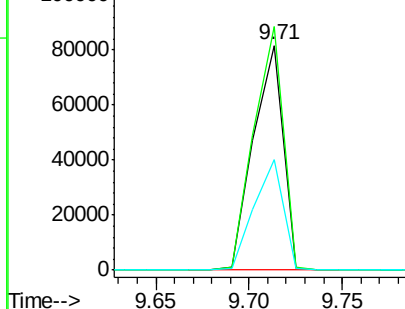


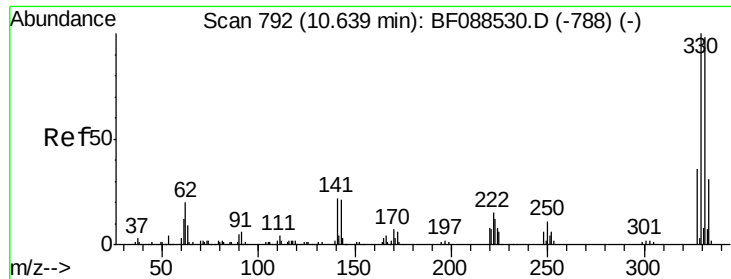
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BF089021.D
 Acq: 15 Jul 2016 17:26

Tgt Ion	164	Resp	89446
Ion Ratio	100		
Lower		85.4	
Upper		128.2	
162	108.2		
160	48.9		



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

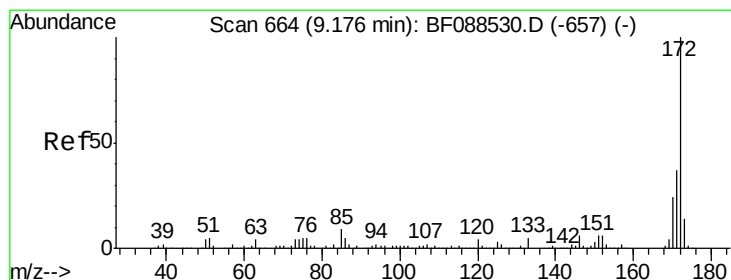
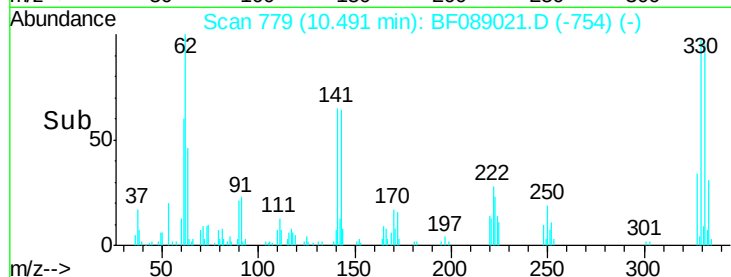
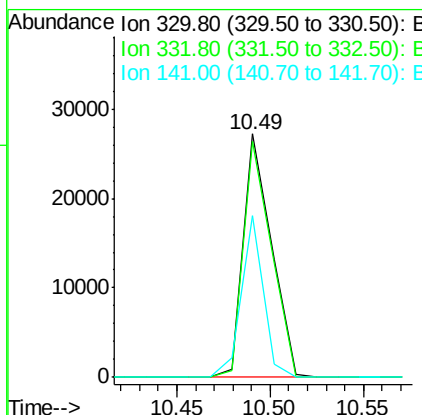
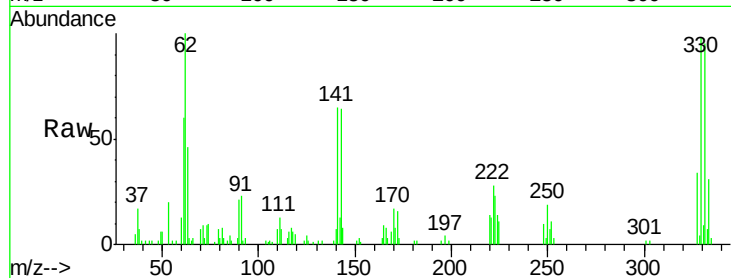




#41
 2,4,6-Tribromophenol
 Concen: 34.44 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089021.D
 Acq: 15 Jul 2016 17:26

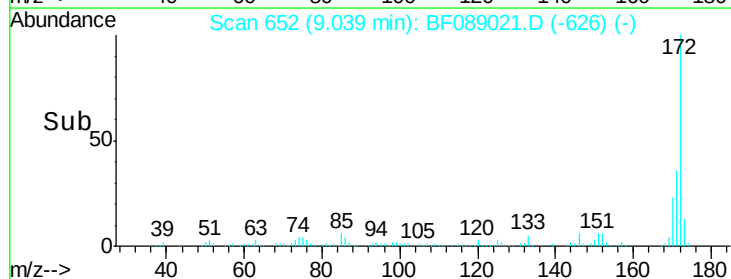
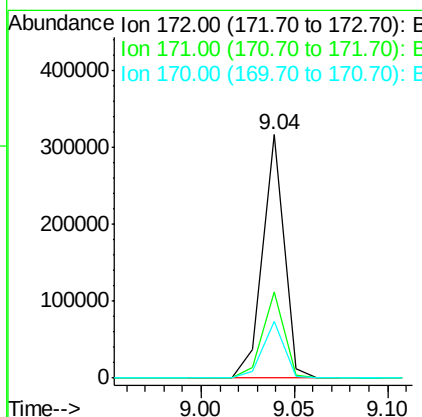
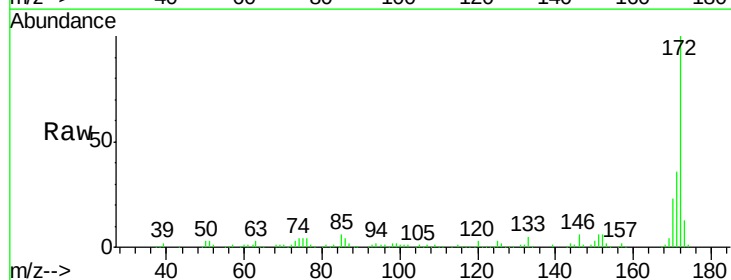
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB09(0-2in)

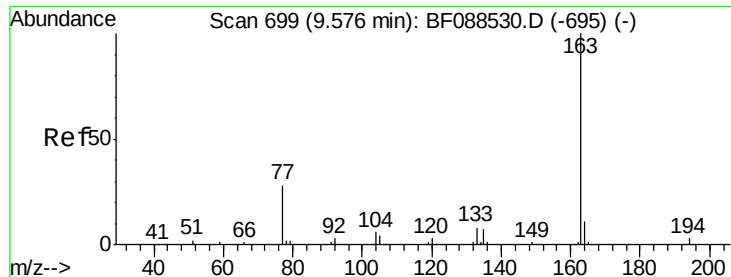
Tot Ion:	330	Resp:	28609
Ion Ratio	Lower	Upper	
330	100		
332	96.0	0.0	0.0#
141	52.4	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 44.28 ng
 RT: 9.04 min Scan# 652
 Delta R.T. 0.00 min
 Lab File: BF089021.D
 Acq: 15 Jul 2016 17:26

Tgt Ion:	172	Resp:	250722
Ion Ratio	Lower	Upper	
172	100		
171	35.6	28.6	43.0
170	23.2	19.2	28.8





#49

Dimethylphthalate

Concen: 7.98 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB09(0-2in)

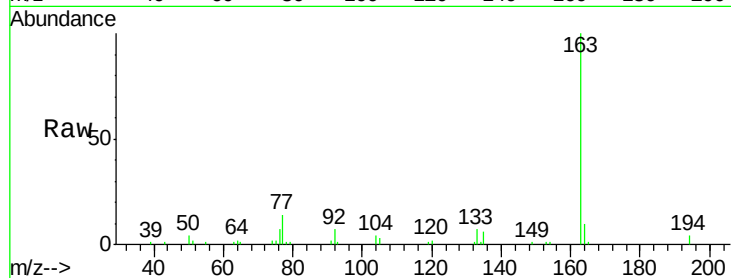
Tot Ion:163 Resp: 50829

Ion Ratio Lower Upper

163 100

194 3.9 2.8 4.2

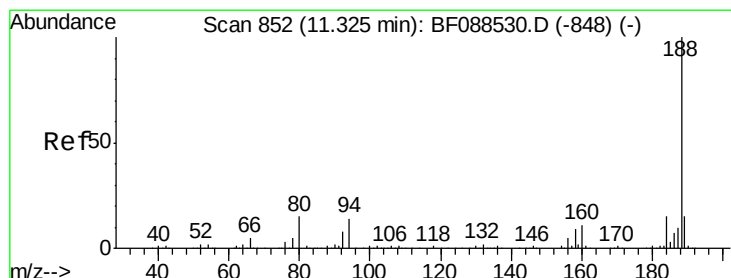
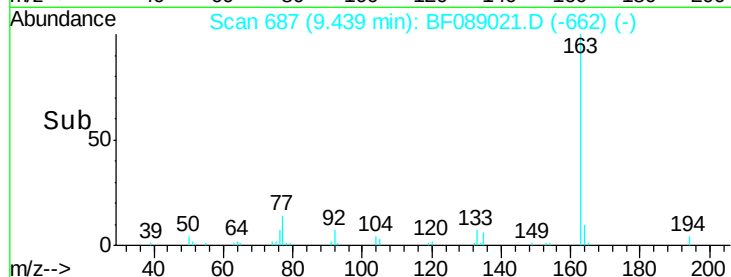
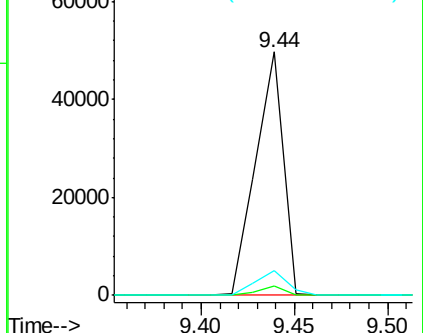
164 10.1 8.3 12.5



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.19 min Scan# 840

Delta R.T. 0.00 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

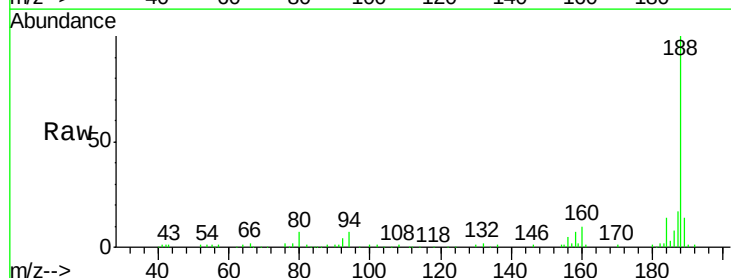
Tgt Ion:188 Resp: 135244

Ion Ratio Lower Upper

188 100

94 6.6 9.0 13.6#

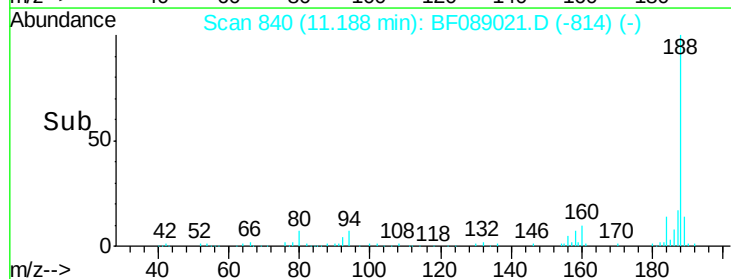
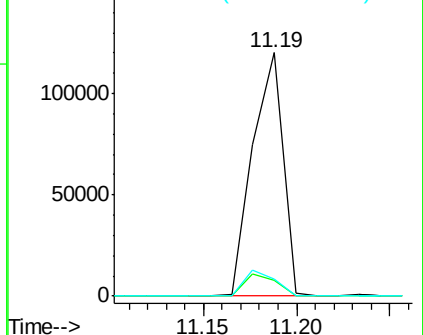
80 6.9 10.0 15.0#

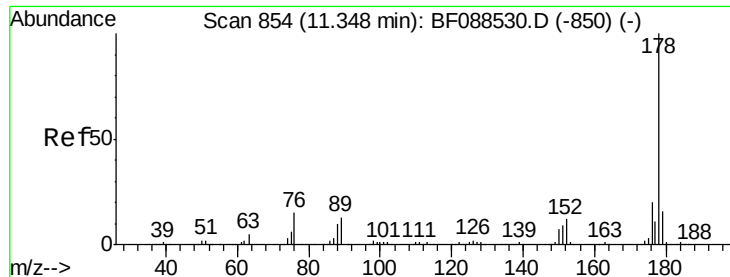


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 3.05 ng

RT: 11.21 min Scan# 842

Delta R.T. 0.00 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB09(0-2in)

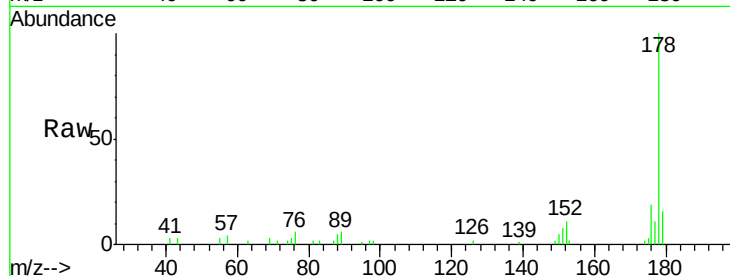
Tot Ion:178 Resp: 22575

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.6

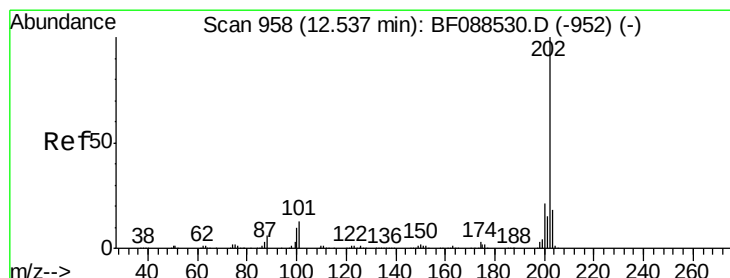
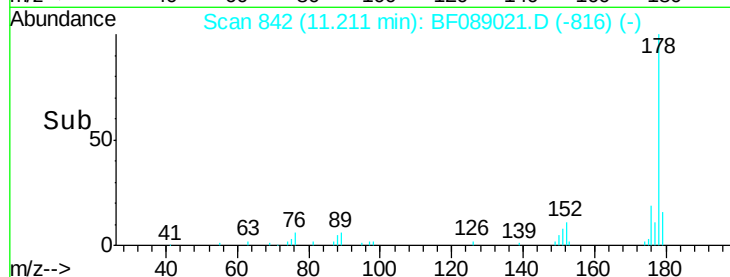
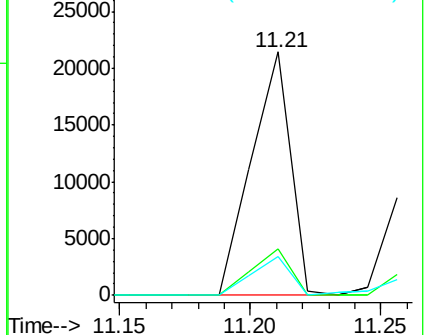
179 15.7 13.0 19.4



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: 6.68 ng

RT: 12.39 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

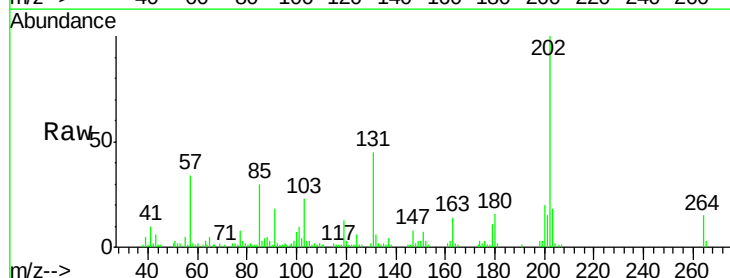
Tgt Ion:202 Resp: 50050

Ion Ratio Lower Upper

202 100

101 10.2 0.0 33.1

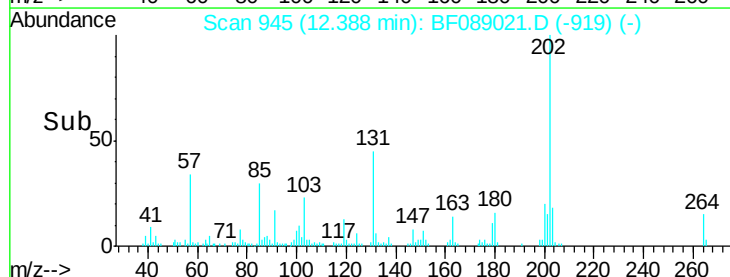
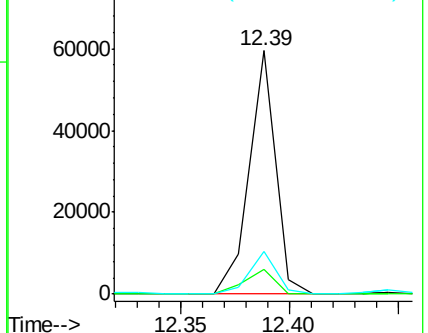
203 17.6 0.0 38.1

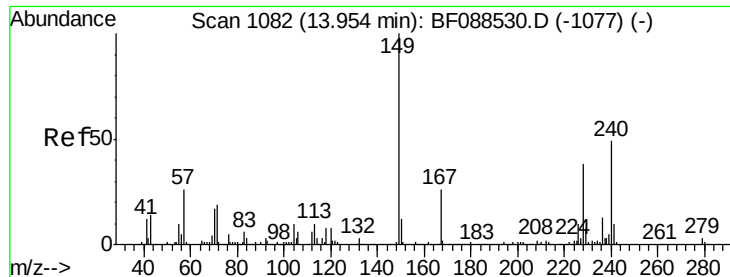


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.81 min Scan# 1069

Delta R.T. -0.01 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB09(0-2in)

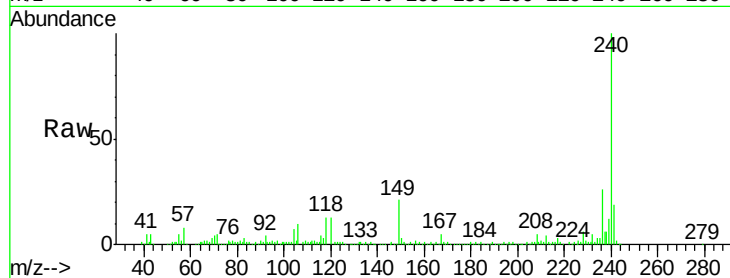
Tot Ion:240 Resp: 109874

Ion Ratio Lower Upper

240 100

120 13.4 6.8 10.2#

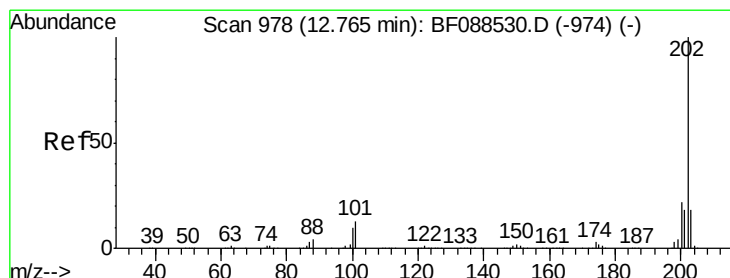
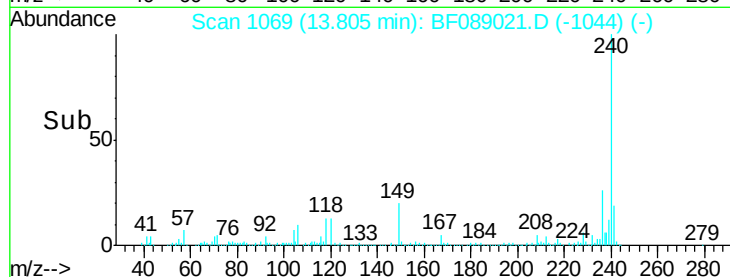
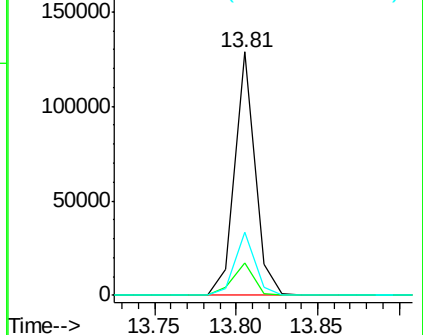
236 25.9 20.2 30.2



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: 5.14 ng

RT: 12.62 min Scan# 965

Delta R.T. 0.00 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

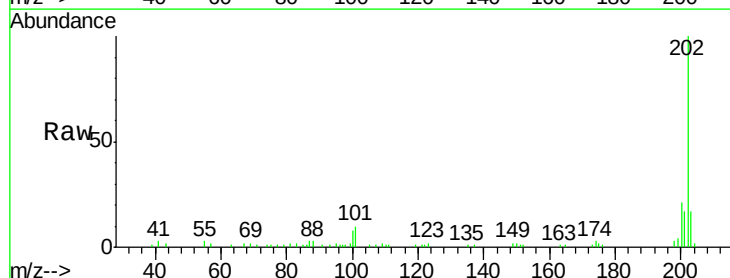
Tgt Ion:202 Resp: 47845

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

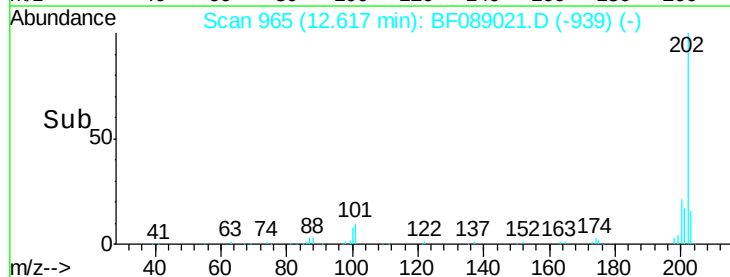
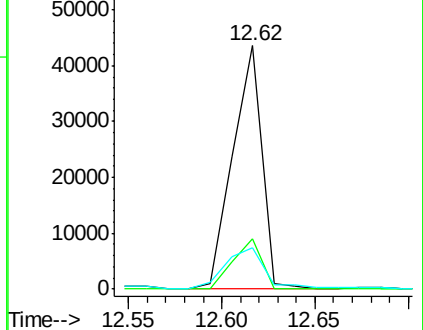
203 16.9 14.5 21.7

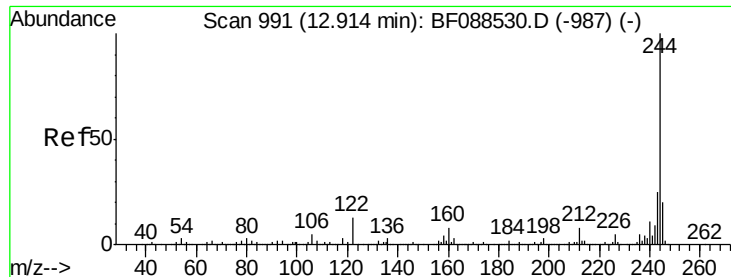


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

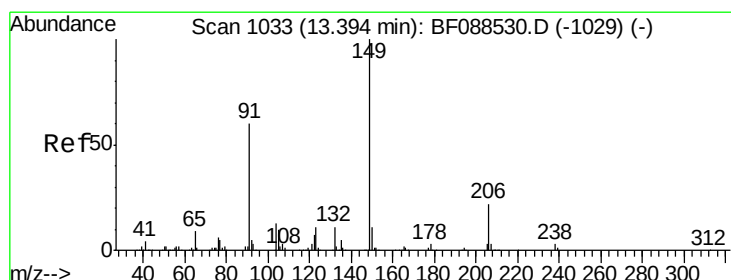
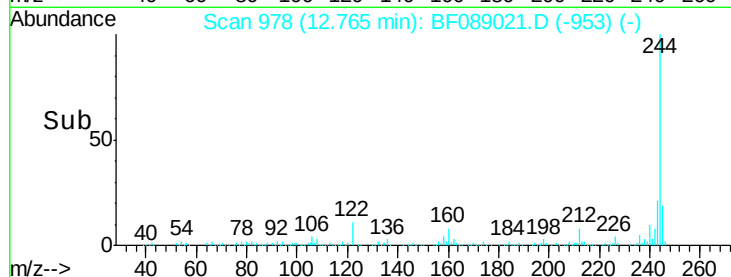
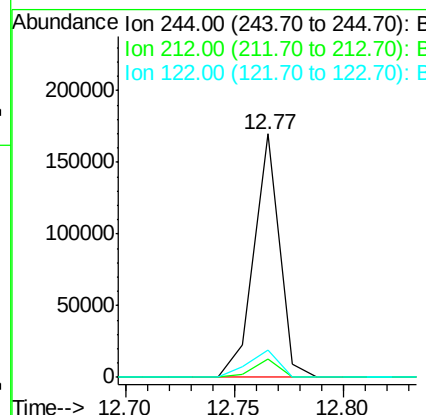
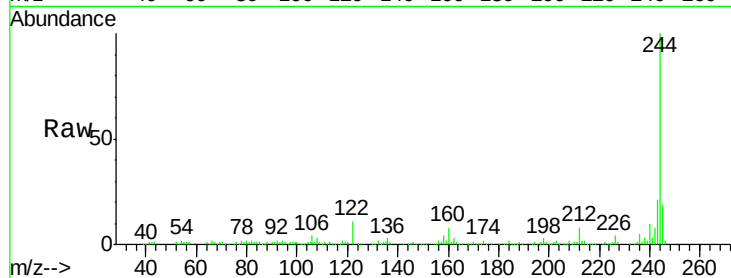




#78
 Terphenyl-d14
 Concen: 27.98 ng
 RT: 12.77 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: BF089021.D
 Acq: 15 Jul 2016 17:26

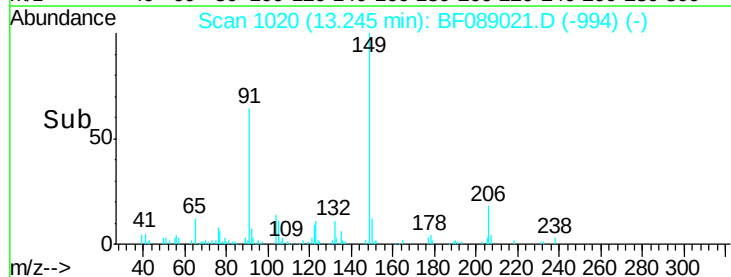
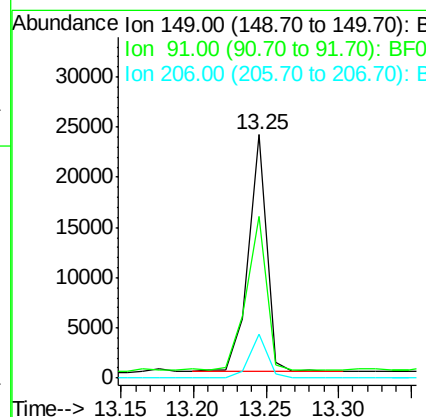
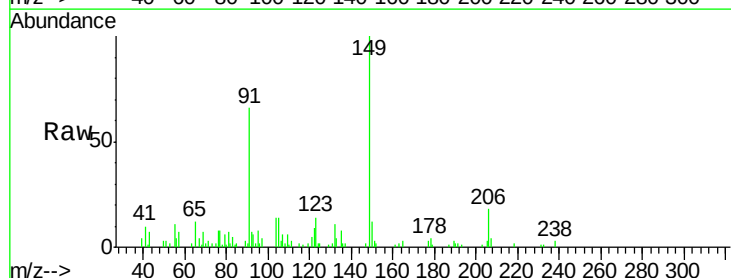
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB09(0-2in)

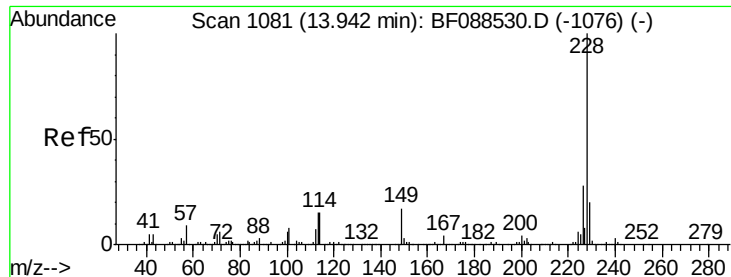
Tot Ion:244 Resp: 138045
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 11.4 11.2 16.8



#79
 Butylbenzylphthalate
 Concen: 4.98 ng
 RT: 13.25 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: BF089021.D
 Acq: 15 Jul 2016 17:26

Tgt Ion:149 Resp: 20698
 Ion Ratio Lower Upper
 149 100
 91 66.4 48.0 72.0
 206 18.0 16.0 24.0

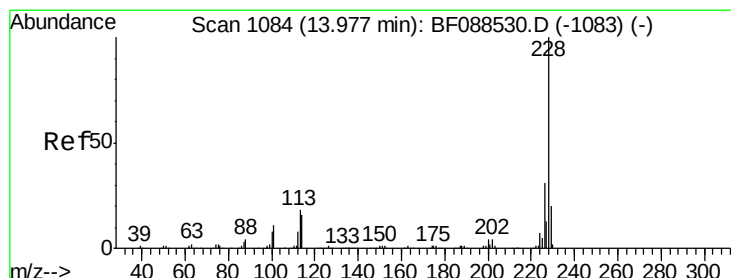
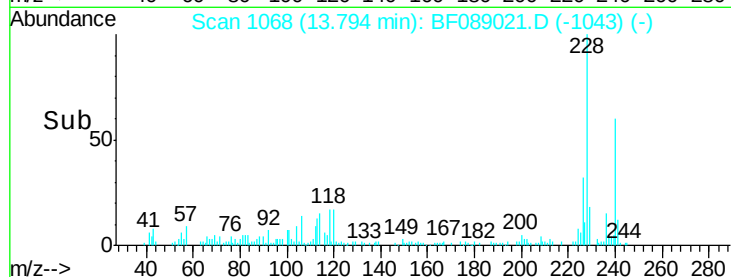
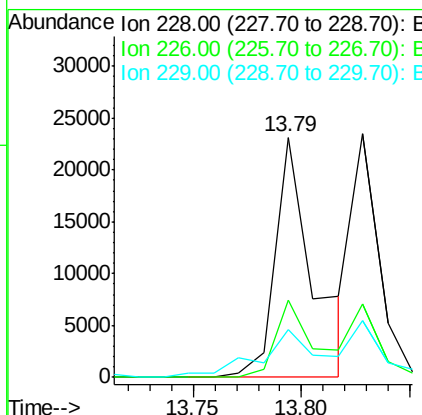
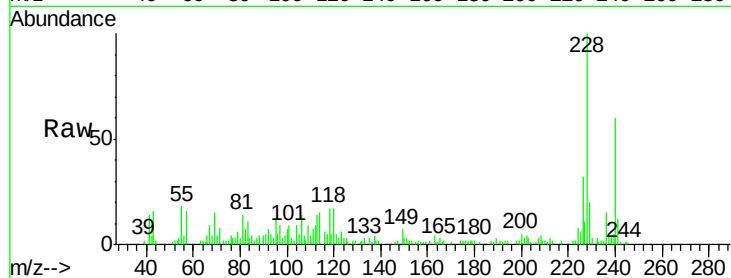




#80
Benzo(a)anthracene
Concen: 4.02 ng
RT: 13.79 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BF089021.D
Acq: 15 Jul 2016 17:26

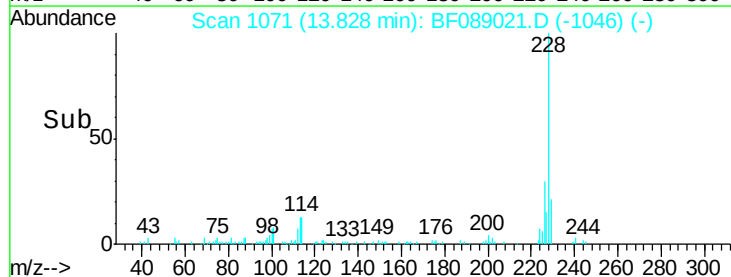
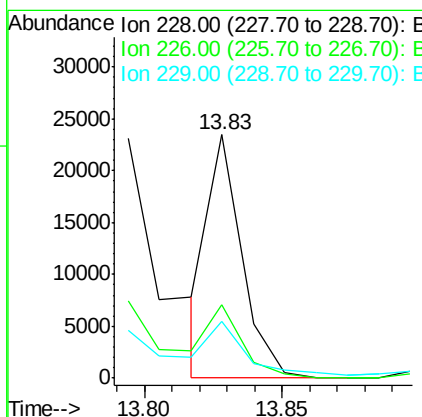
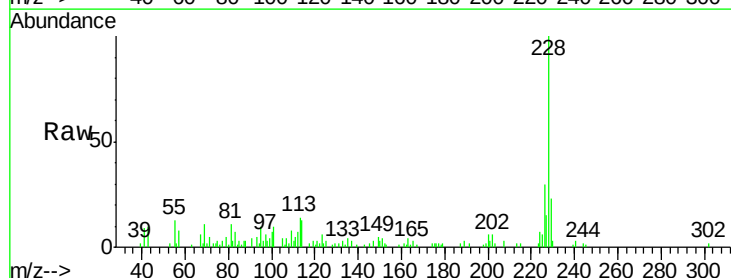
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB09(0-2in)

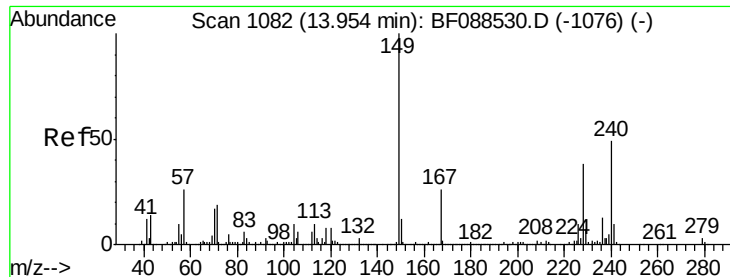
Tot Ion:228 Resp: 28409
Ion Ratio Lower Upper
228 100
226 32.4 22.3 33.5
229 20.1 16.0 24.0



#82
Chrysene
Concen: 2.86 ng m
RT: 13.83 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BF089021.D
Acq: 15 Jul 2016 17:26

Tgt Ion:228 Resp: 19993
Ion Ratio Lower Upper
228 100
226 30.2 25.4 38.2
229 23.4 16.3 24.5

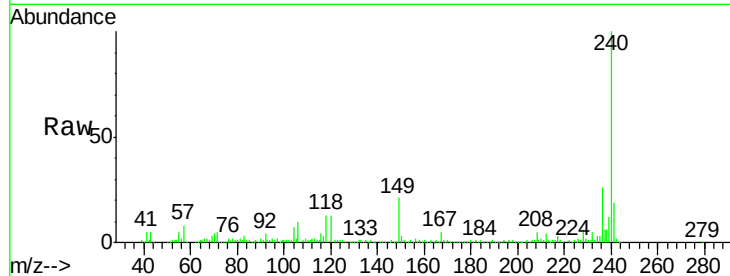




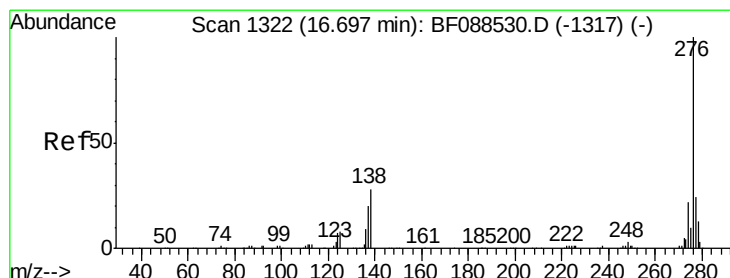
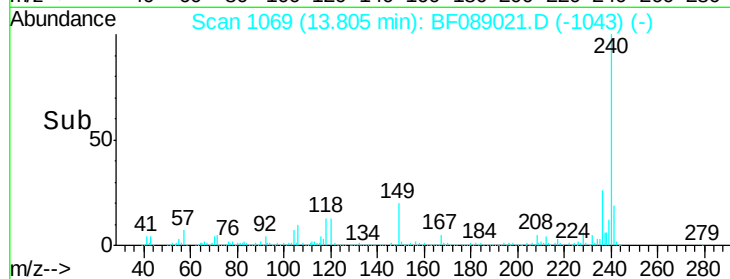
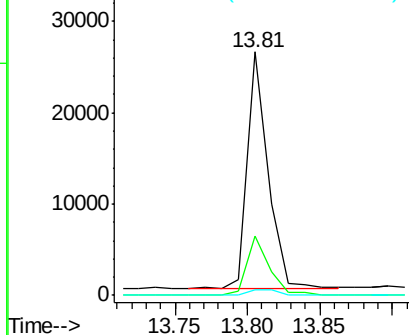
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.35 ng
 RT: 13.81 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: BF089021.D
 Acq: 15 Jul 2016 17:26

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB09(0-2in)

Tot Ion:149 Resp: 25385
 Ion Ratio Lower Upper
 149 100
 167 24.5 20.5 30.7
 279 2.3 2.0 3.0

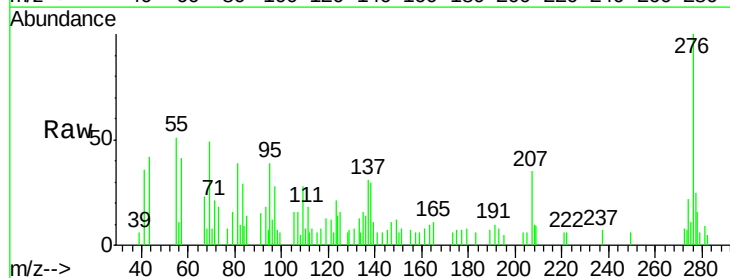


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

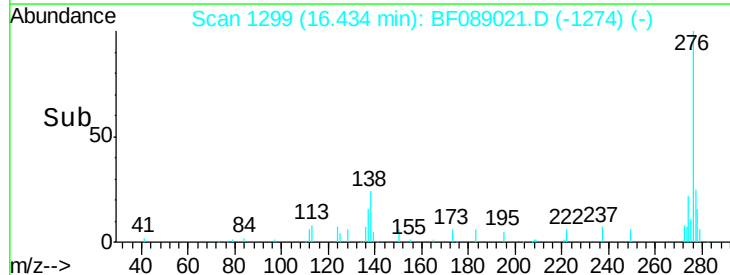
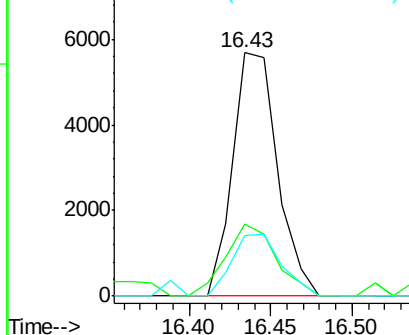


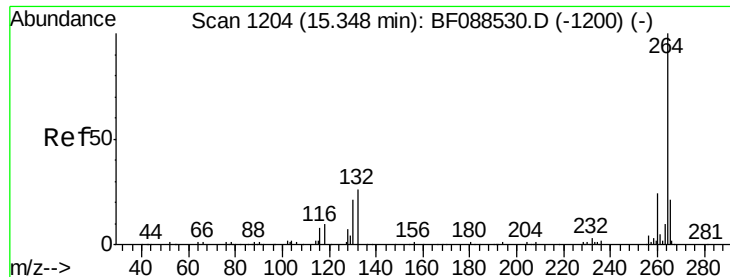
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.00 ng
 RT: 16.43 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF089021.D
 Acq: 15 Jul 2016 17:26

Tgt Ion:276 Resp: 10778
 Ion Ratio Lower Upper
 276 100
 138 33.4 0.0 0.0#
 277 28.2 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



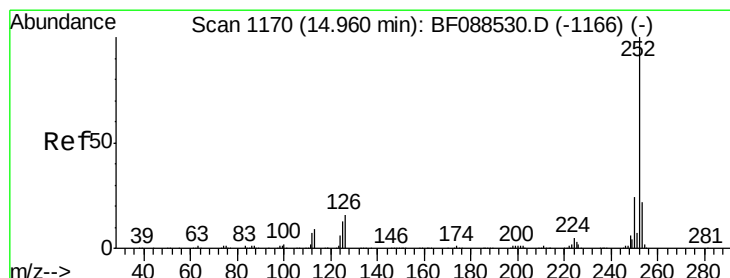
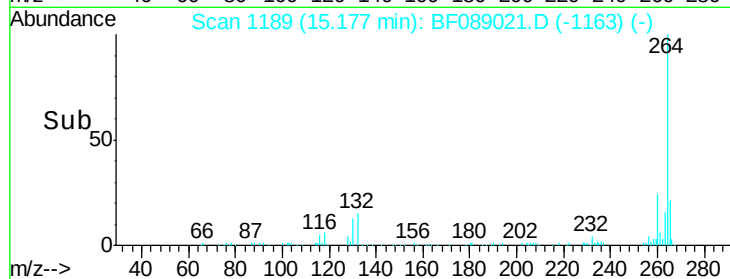
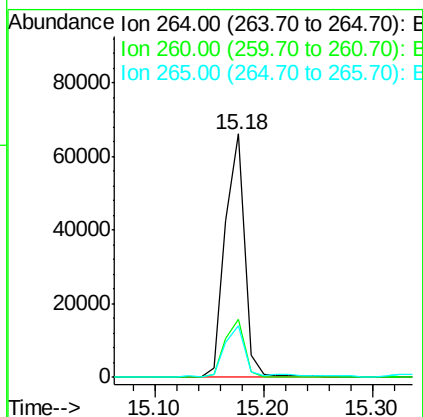
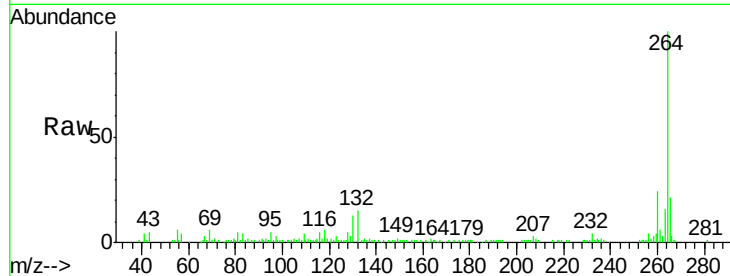


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1189
Delta R.T. 0.00 min
Lab File: BF089021.D
Acq: 15 Jul 2016 17:26

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB09(0-2in)

Tot Ion:264 Resp: 82140

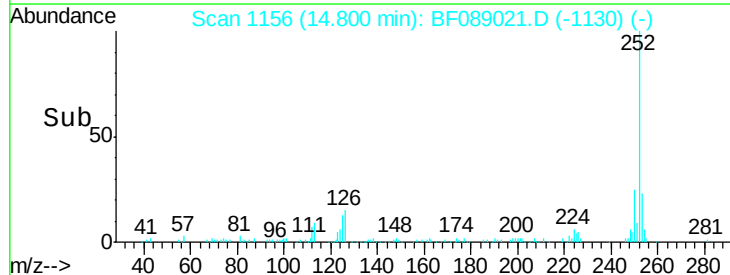
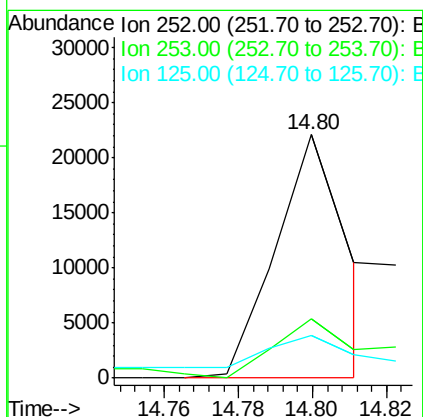
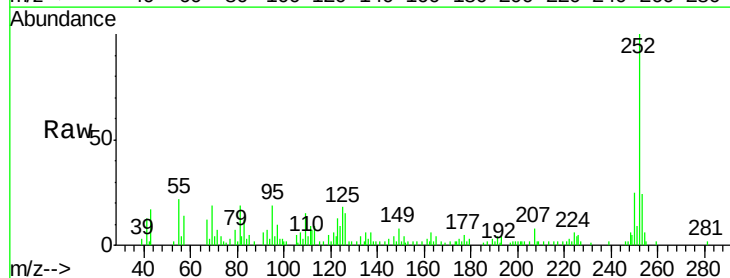
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.1	16.9	25.3

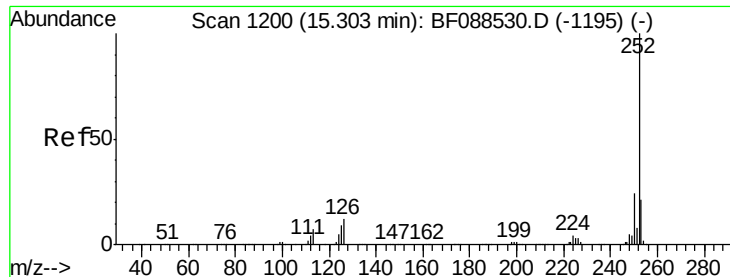


#87
Benzo(b)fluoranthene
Concen: 5.71 ng m
RT: 14.80 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF089021.D
Acq: 15 Jul 2016 17:26

Tgt Ion:252 Resp: 29437

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.2
125	17.6	7.1	10.7#





#89

Benzo(a)pyrene

Concen: 4.17 ng

RT: 15.12 min Scan# 1184

Delta R.T. 0.00 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB09(0-2in)

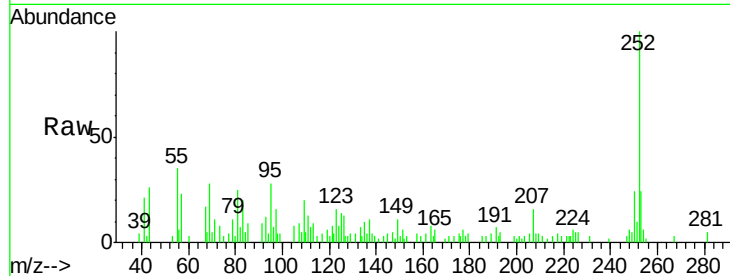
Tot Ion:252 Resp: 18185

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

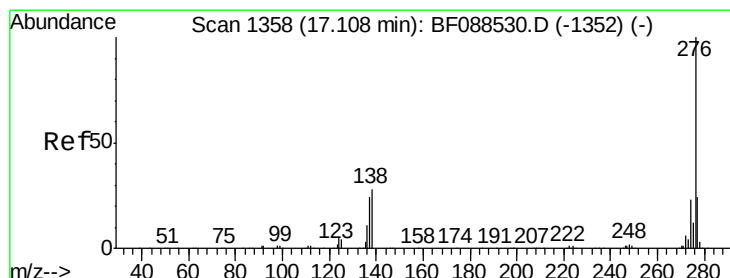
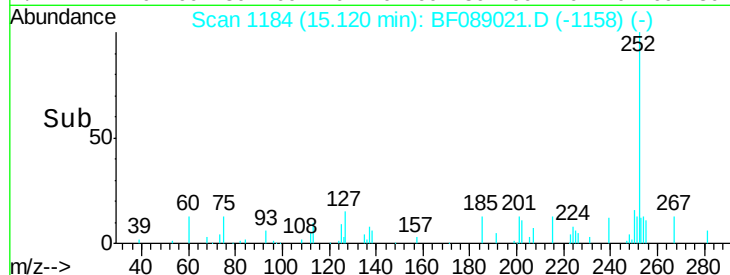
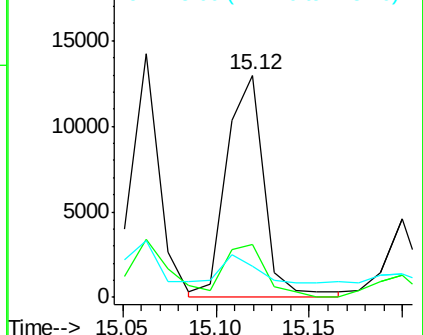
125 14.2 12.5 18.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.86 ng

RT: 16.82 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF089021.D

Acq: 15 Jul 2016 17:26

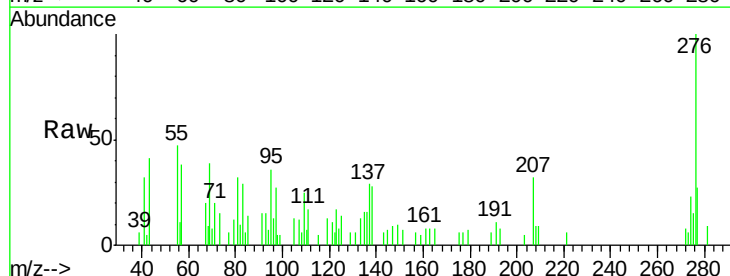
Tgt Ion:276 Resp: 10785

Ion Ratio Lower Upper

276 100

277 27.1 18.9 28.3

138 27.6 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

