

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
 Data File : BF089026.D
 Acq On : 15 Jul 2016 19:59
 Operator : UM/SJ
 Sample : H3951-14 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB05(0-2ft)

Quant Time: Jul 16 01:44:18 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

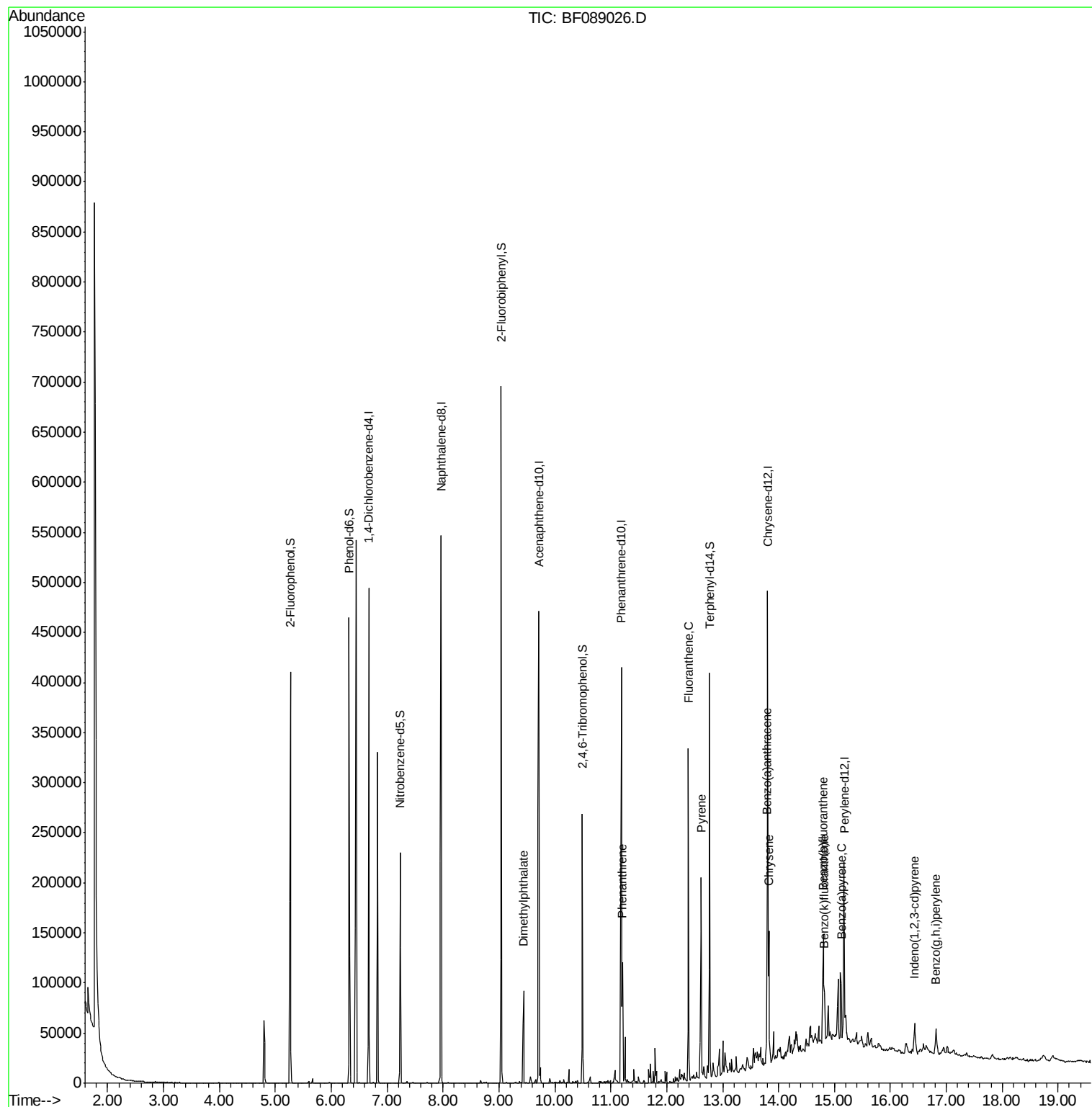
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	64282	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	267938	20.00	ng	0.00
38) Acenaphthene-d10	9.71	164	109300	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	174743	20.00	ng	0.00
75) Chrysene-d12	13.81	240	116276	20.00	ng	-0.01
86) Perylene-d12	15.18	264	86641	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	125161	29.18	ng	0.00
7) Phenol-d6	6.32	99	149767	27.02	ng	-0.01
23) Nitrobenzene-d5	7.23	82	92328	18.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	22913	22.58	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	198253	28.65	ng	0.00
78) Terphenyl-d14	12.77	244	113013	21.65	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.44	163	49727	6.39	ng	98
70) Phenanthrene	11.21	178	57432	6.01	ng	98
74) Fluoranthene	12.39	202	117492	12.13	ng	97
77) Pyrene	12.62	202	100719	10.22	ng	97
80) Benzo(a)anthracene	13.79	228	57221	7.64	ng	97
82) Chrysene	13.83	228	38269m	5.17	ng	
85) Indeno(1,2,3-cd)pyrene	16.43	276	19281	3.38	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	51917m	9.55	ng	
88) Benzo(k)fluoranthene	14.82	252	15812m	3.34	ng	
89) Benzo(a)pyrene	15.12	252	33366m	7.25	ng	
91) Benzo(g,h,i)perylene	16.81	276	17494	4.40	ng	95

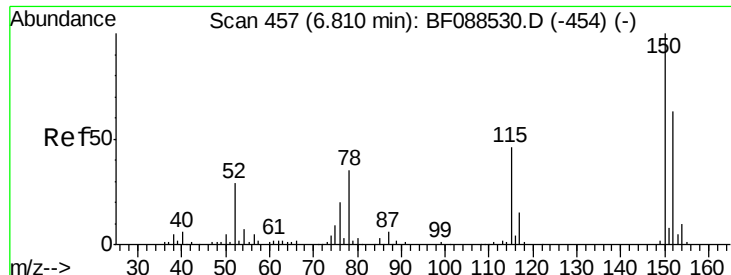
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
Data File : BF089026.D
Acq On : 15 Jul 2016 19:59
Operator : UM/SJ
Sample : H3951-14 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB05(0-2ft)

Quant Time: Jul 16 01:44:18 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 445

Delta R.T. 0.00 min

Lab File: BF089026.D

Acq: 15 Jul 2016 19:59

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB05(0-2ft)

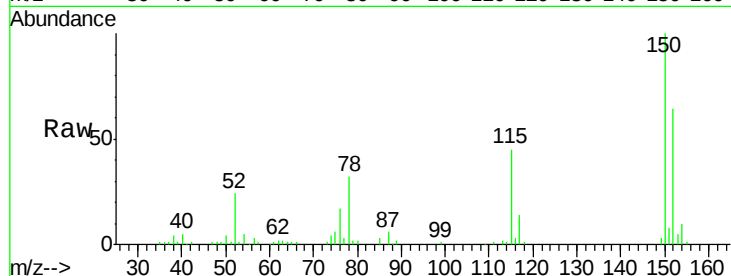
Tot Ion:152 Resp: 64282

Ion Ratio Lower Upper

152 100

150 156.5 123.8 185.6

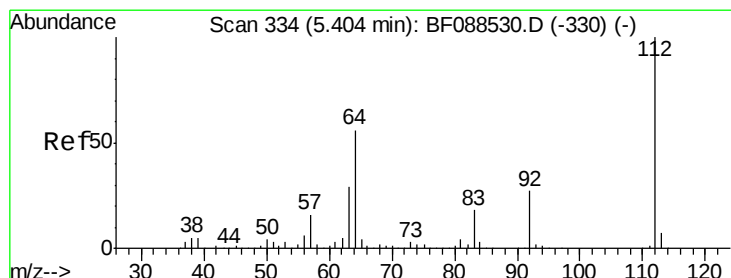
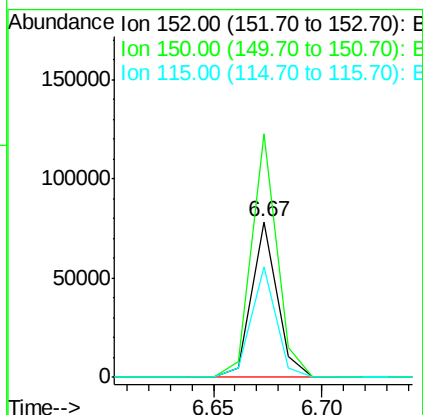
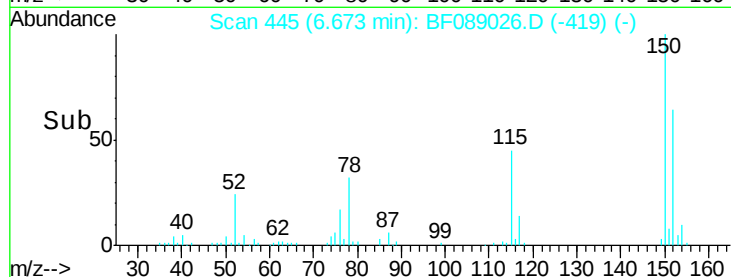
115 70.8 39.6 59.4#



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: 29.18 ng

RT: 5.27 min Scan# 322

Delta R.T. 0.00 min

Lab File: BF089026.D

Acq: 15 Jul 2016 19:59

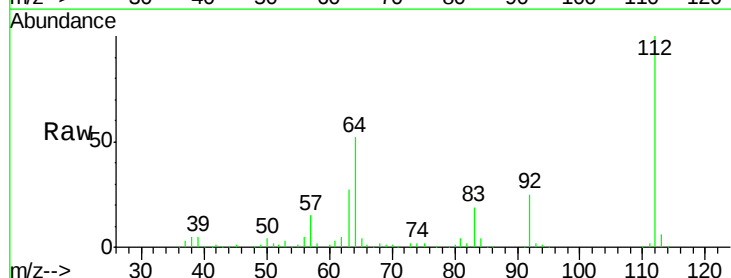
Tgt Ion:112 Resp: 125161

Ion Ratio Lower Upper

112 100

64 51.7 42.2 63.2

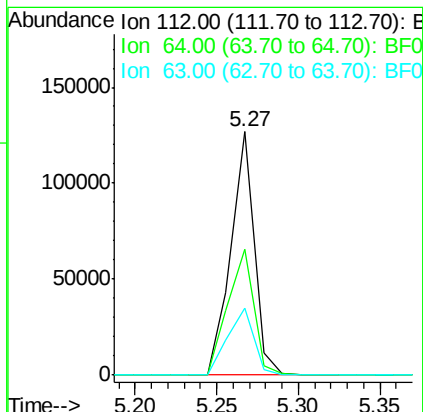
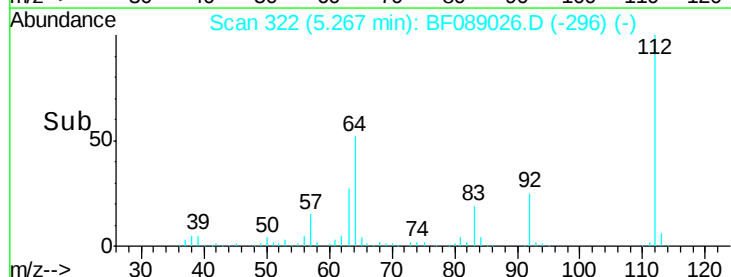
63 27.4 21.8 32.8



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: 27.02 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF089026.D

Acq: 15 Jul 2016 19:59

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB05(0-2ft)

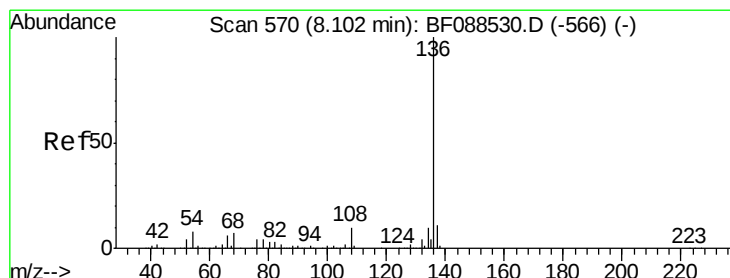
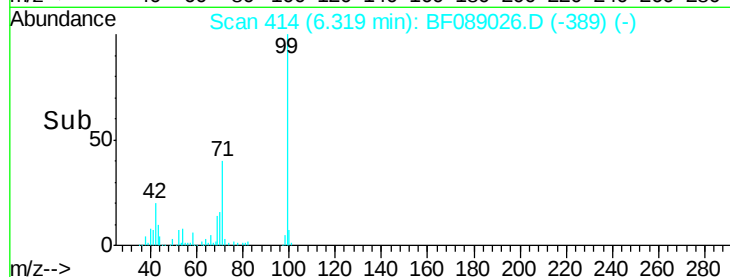
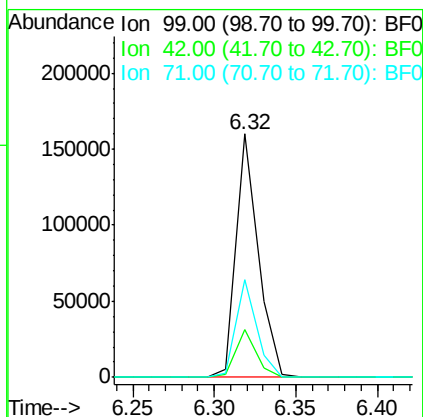
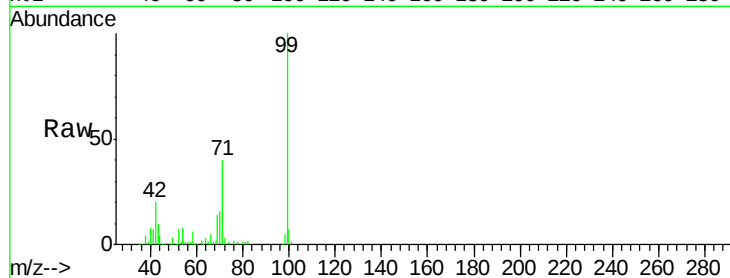
Tot Ion: 99 Resp: 149767

Ion Ratio Lower Upper

99 100

42 19.5 12.2 18.2#

71 40.1 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: BF089026.D

Acq: 15 Jul 2016 19:59

Tgt Ion: 136 Resp: 267938

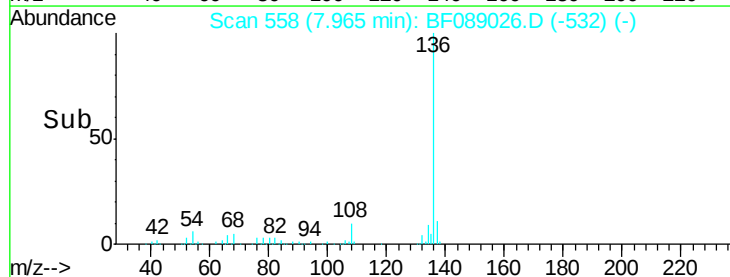
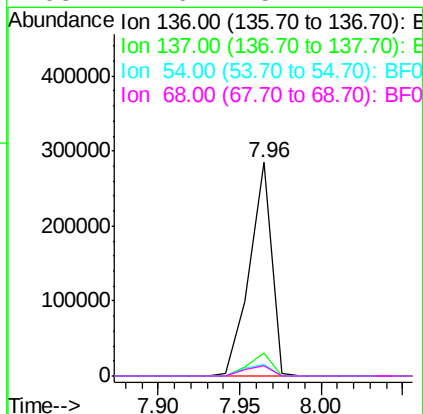
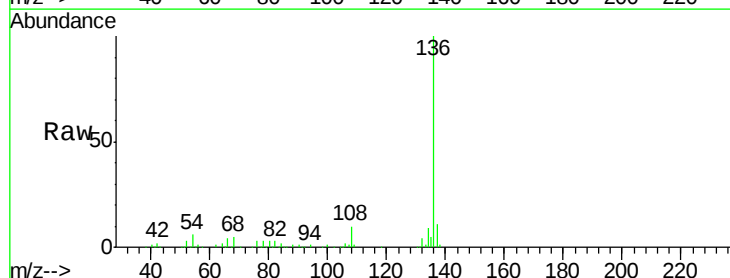
Ion Ratio Lower Upper

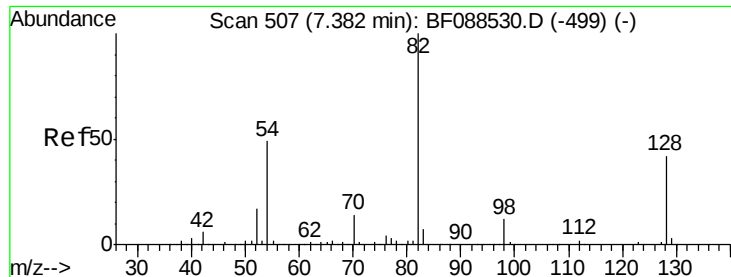
136 100

137 10.6 9.1 13.7

54 5.6 6.6 10.0#

68 4.6 5.1 7.7#

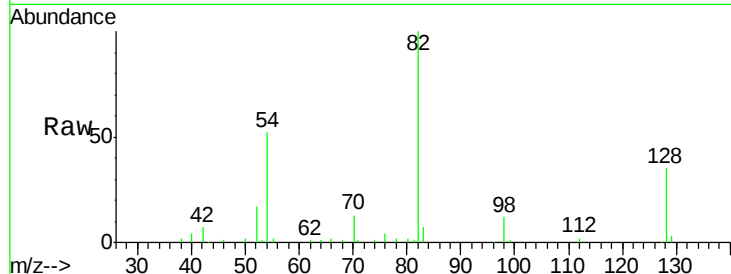




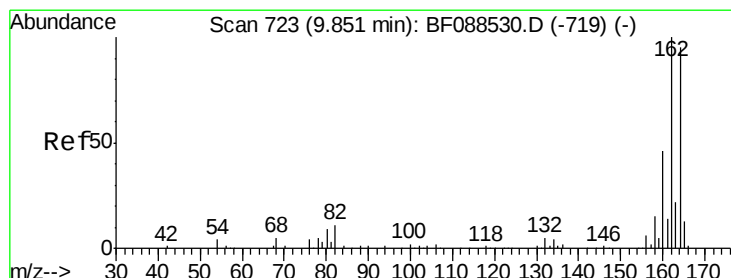
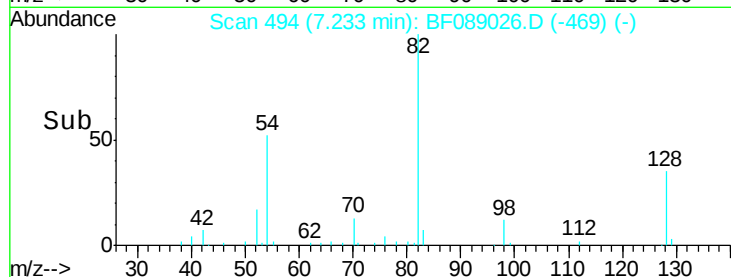
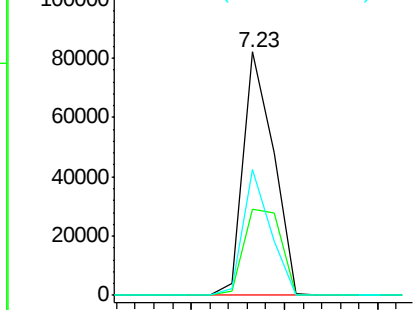
#23
 Nitrobenzene-d5
 Concen: 18.06 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: BF089026.D
 Acq: 15 Jul 2016 19:59

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB05(0-2ft)

Tot Ion: 82 Resp: 92328
 Ion Ratio Lower Upper
 82 100
 128 35.4 35.9 53.9#
 54 51.9 40.9 61.3

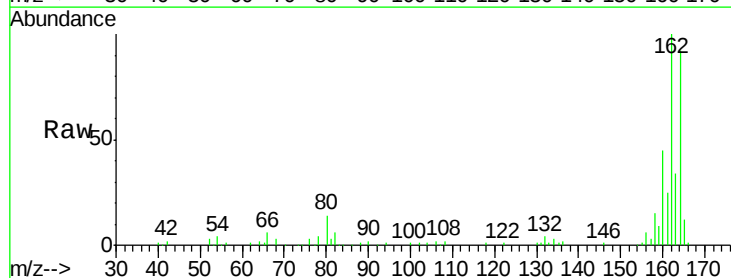


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

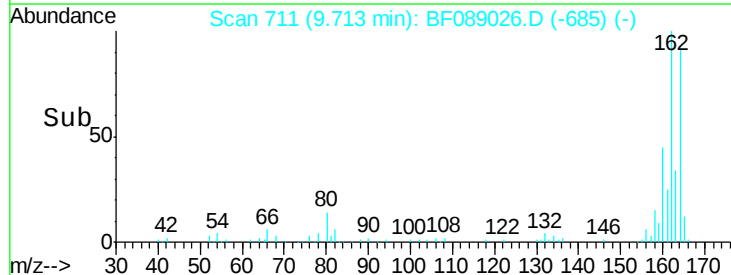
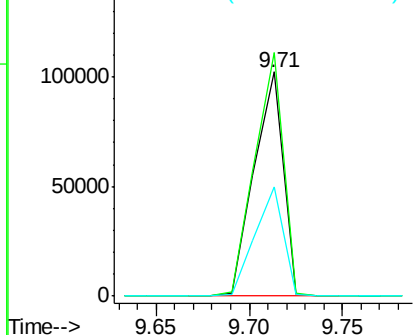


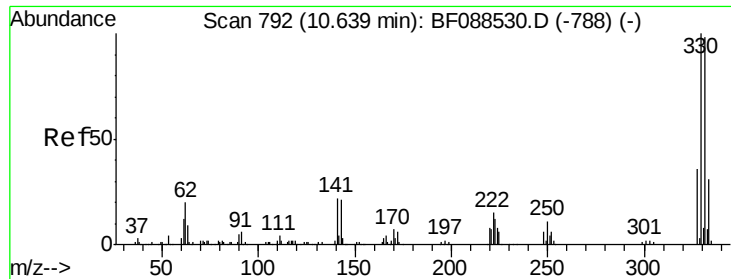
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BF089026.D
 Acq: 15 Jul 2016 19:59

Tgt Ion:164 Resp: 109300
 Ion Ratio Lower Upper
 164 100
 162 108.8 85.4 128.2
 160 49.0 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

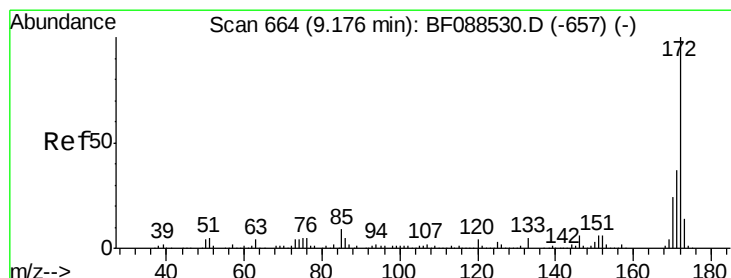
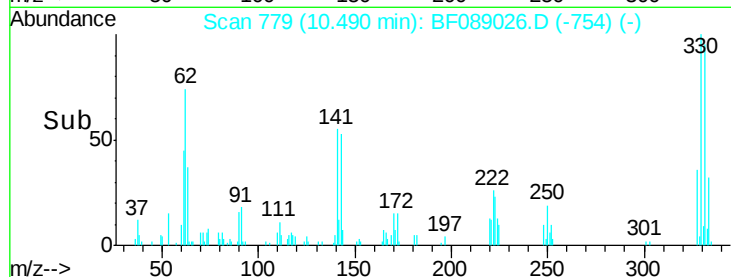
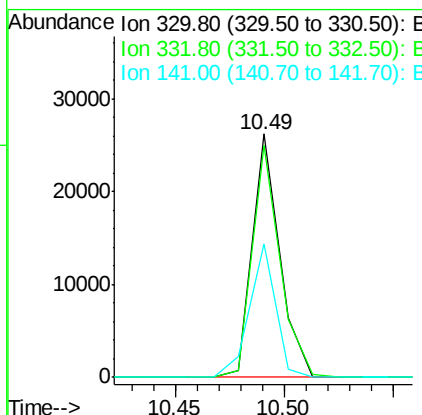
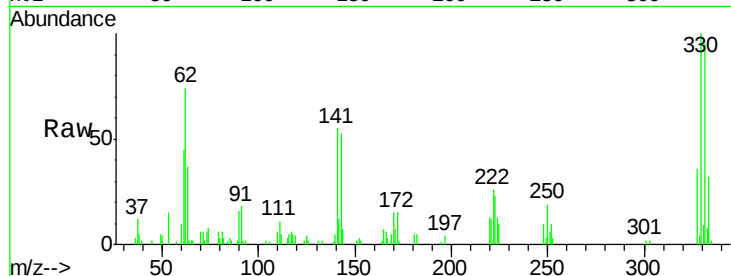




#41
 2,4,6-Tribromophenol
 Concen: 22.58 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089026.D
 Acq: 15 Jul 2016 19:59

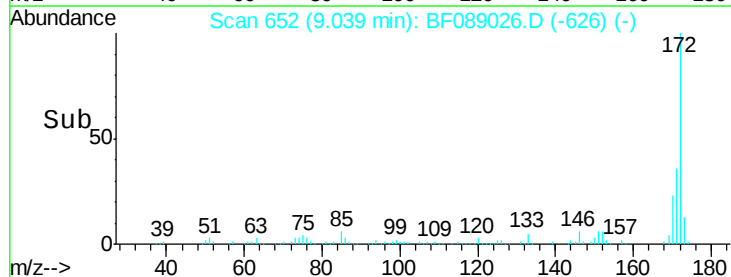
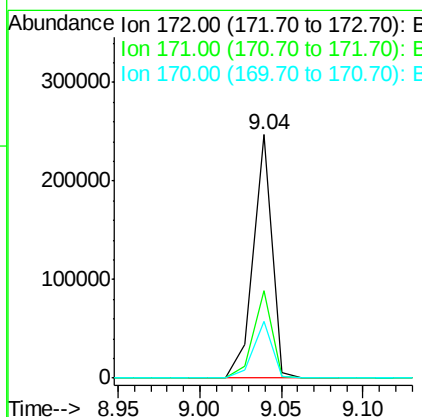
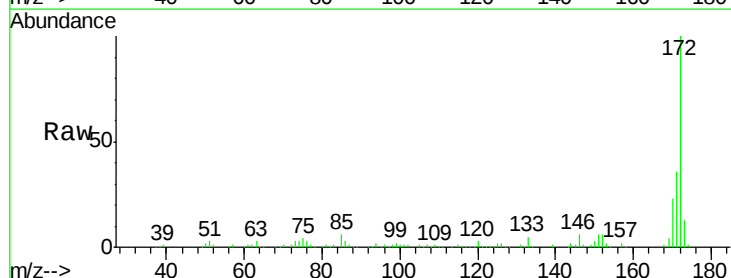
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB05(0-2ft)

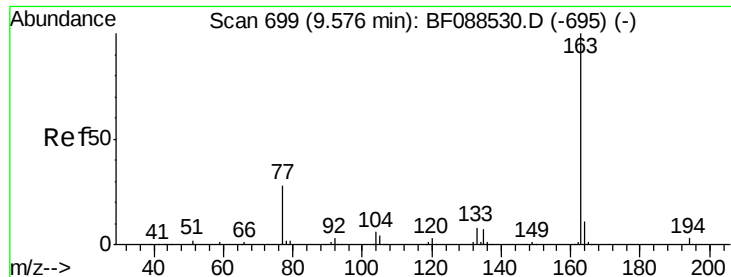
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	0.0	0.0#
141	52.6	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 28.65 ng
 RT: 9.04 min Scan# 652
 Delta R.T. 0.00 min
 Lab File: BF089026.D
 Acq: 15 Jul 2016 19:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	23.1	19.2	28.8





#49

Dimethylphthalate

Concen: 6.39 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF089026.D

Acq: 15 Jul 2016 19:59

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB05(0-2ft)

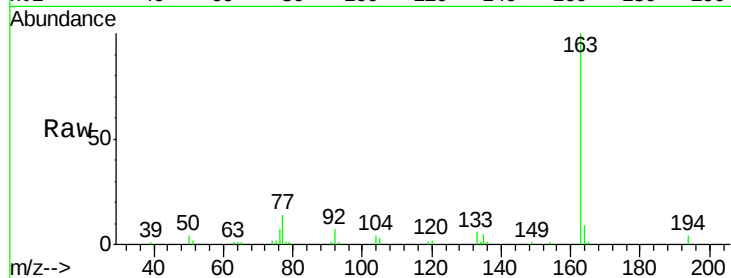
Tot Ion:163 Resp: 49727

Ion Ratio Lower Upper

163 100

194 3.9 2.8 4.2

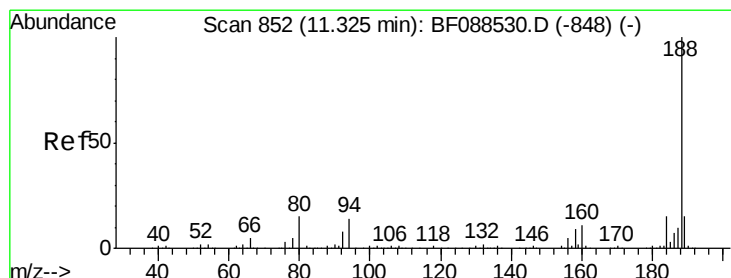
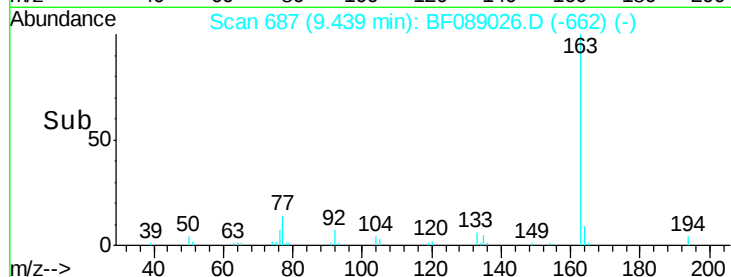
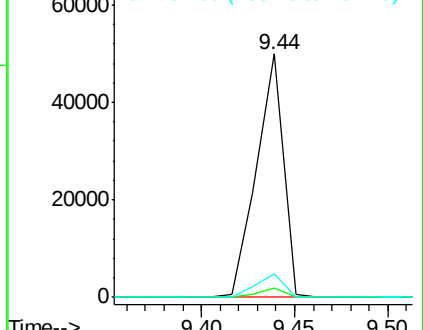
164 9.4 8.3 12.5



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: BF089026.D

Acq: 15 Jul 2016 19:59

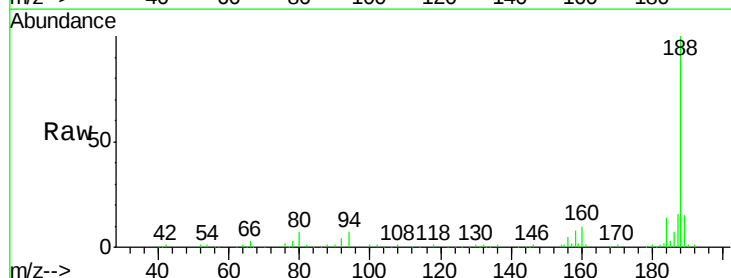
Tgt Ion:188 Resp: 174743

Ion Ratio Lower Upper

188 100

94 6.9 9.0 13.6#

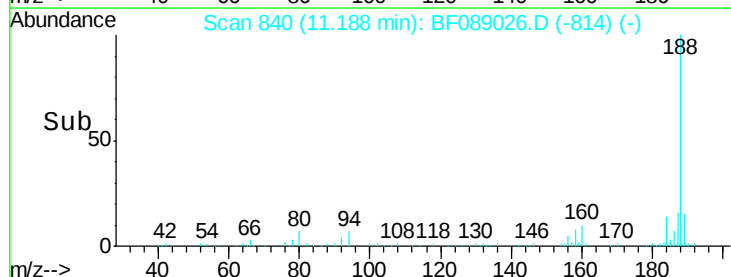
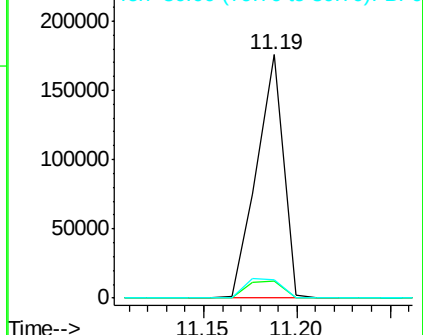
80 7.4 10.0 15.0#

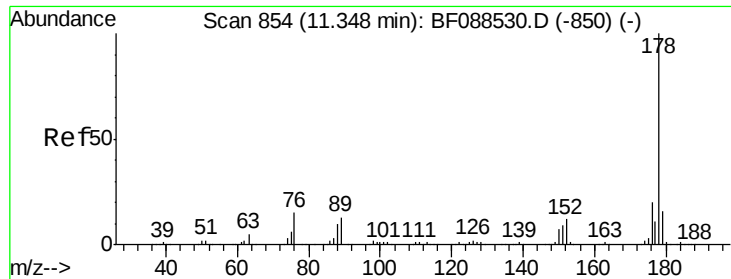


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

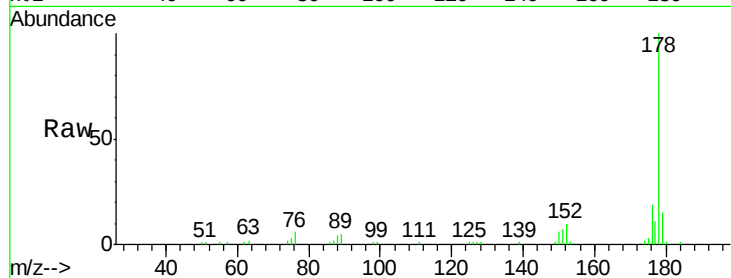




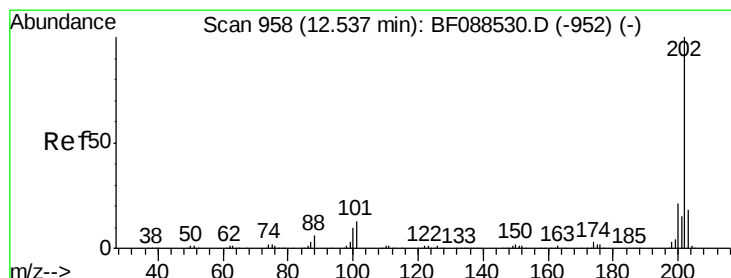
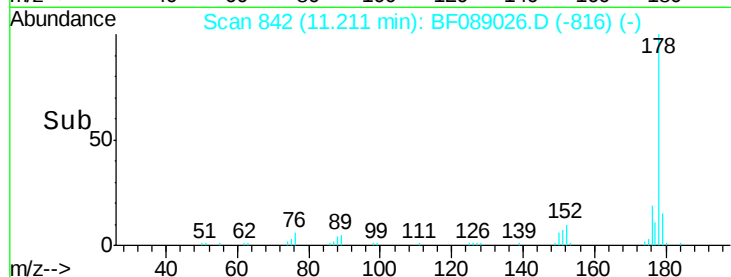
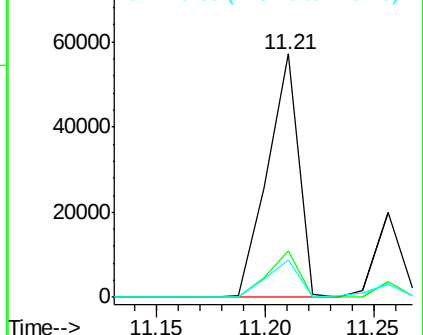
#70
Phenanthrene
Concen: 6.01 ng
RT: 11.21 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF089026.D
Acq: 15 Jul 2016 19:59

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB05(0-2ft)

Tot Ion:178 Resp: 57432
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.3 13.0 19.4

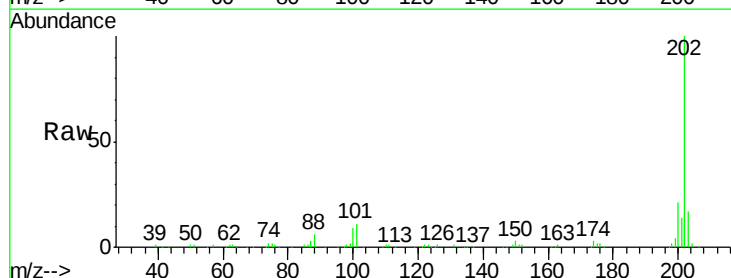


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

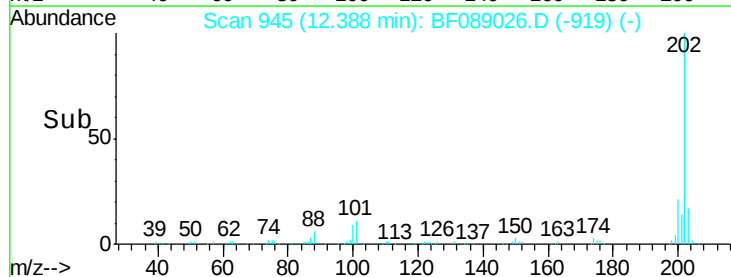
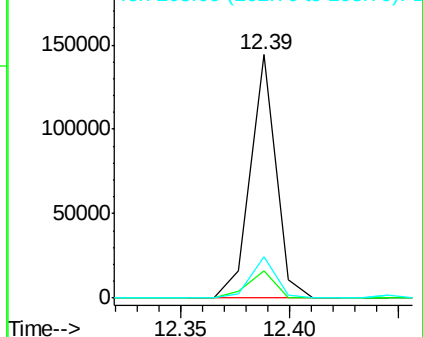


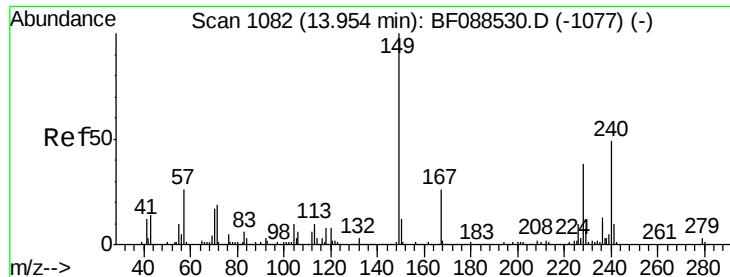
#74
Fluoranthene
Concen: 12.13 ng
RT: 12.39 min Scan# 945
Delta R.T. 0.00 min
Lab File: BF089026.D
Acq: 15 Jul 2016 19:59

Tgt Ion:202 Resp: 117492
Ion Ratio Lower Upper
202 100
101 11.1 0.0 33.1
203 17.1 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: BF089026.D

Acq: 15 Jul 2016 19:59

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB05(0-2ft)

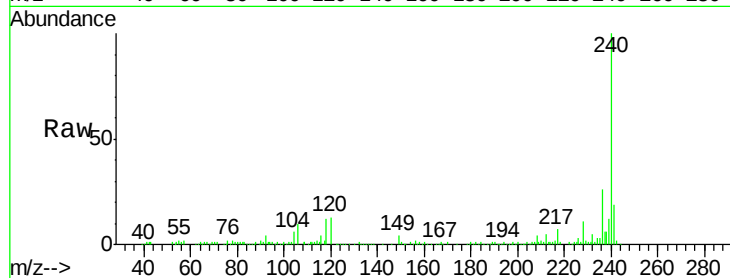
Tot Ion:240 Resp: 116276

Ion Ratio Lower Upper

240 100

120 12.7 6.8 10.2#

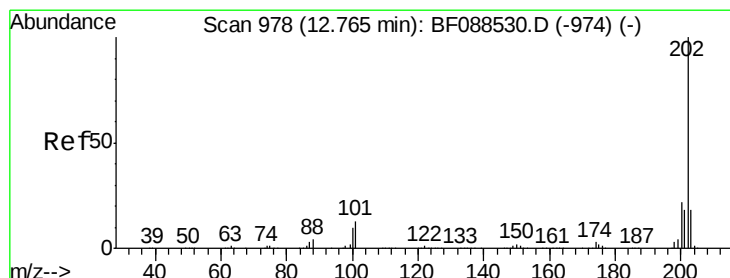
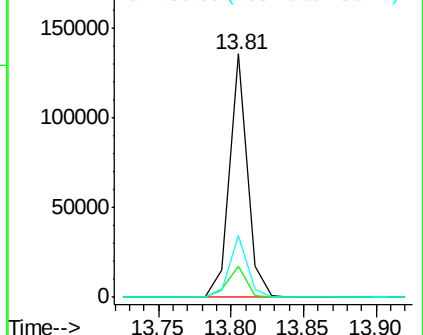
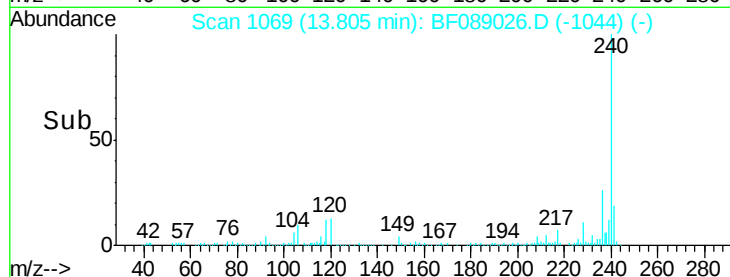
236 25.6 20.2 30.2



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: 10.22 ng

RT: 12.62 min Scan# 965

Delta R.T. 0.00 min

Lab File: BF089026.D

Acq: 15 Jul 2016 19:59

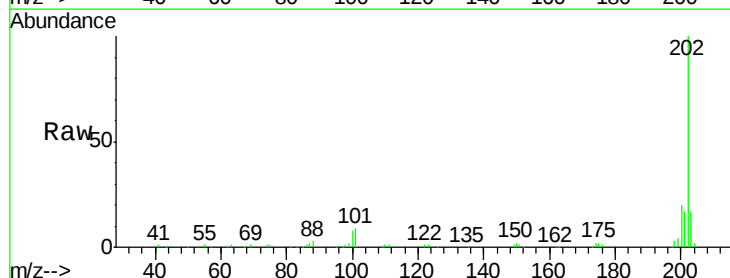
Tgt Ion:202 Resp: 100719

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

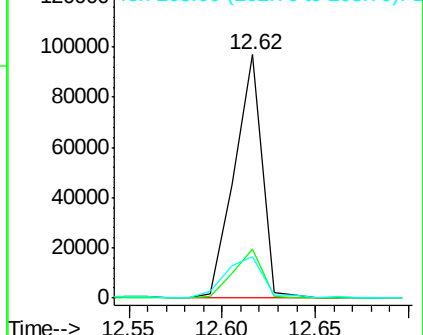
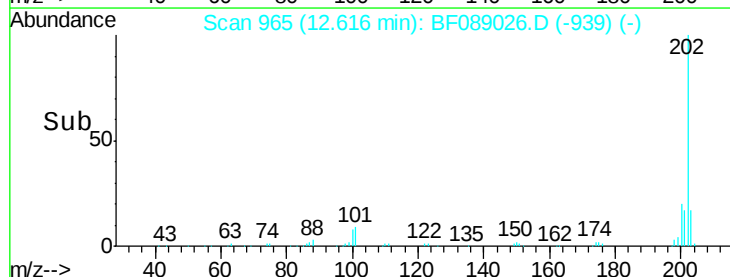
203 16.8 14.5 21.7

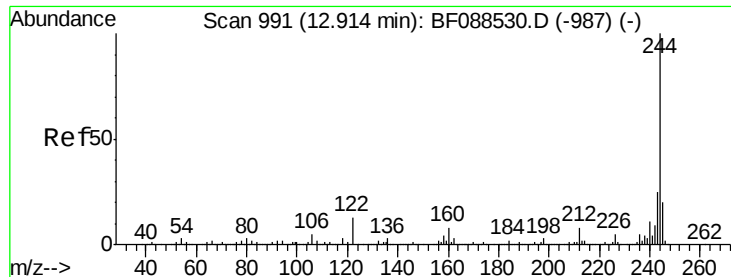


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 21.65 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.01 min

Lab File: BF089026.D

Acq: 15 Jul 2016 19:59

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB05(0-2ft)

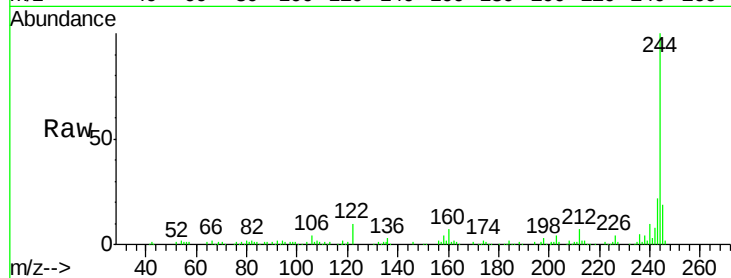
Tot Ion:244 Resp: 113013

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

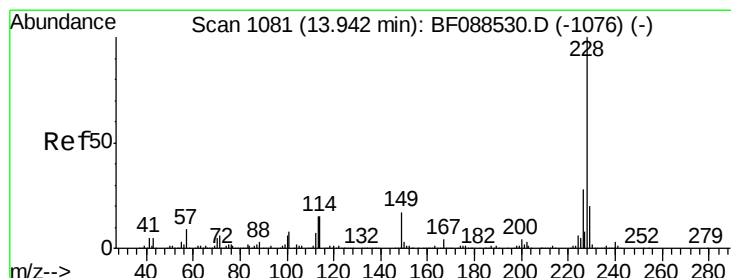
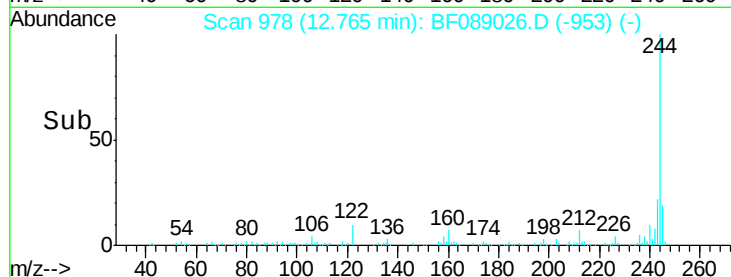
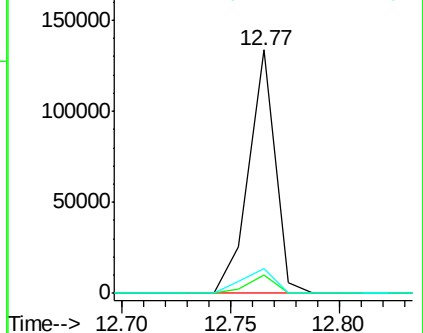
122 10.3 11.2 16.8#



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



#80

Benzo(a)anthracene

Concen: 7.64 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BF089026.D

Acq: 15 Jul 2016 19:59

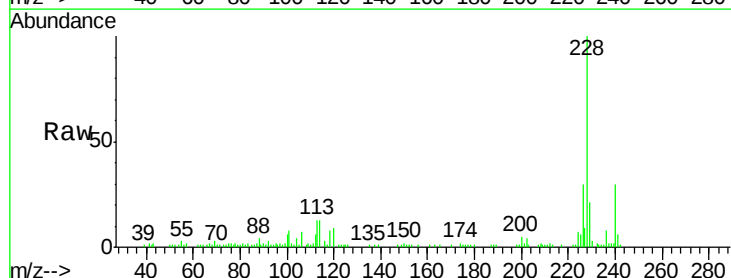
Tgt Ion:228 Resp: 57221

Ion Ratio Lower Upper

228 100

226 30.1 22.3 33.5

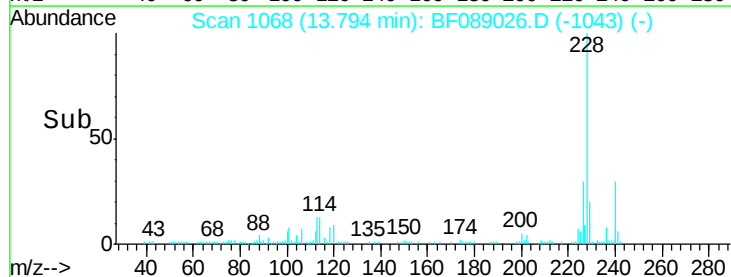
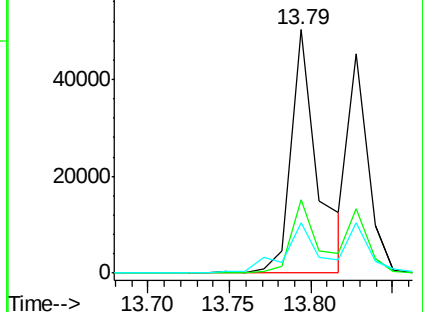
229 20.5 16.0 24.0

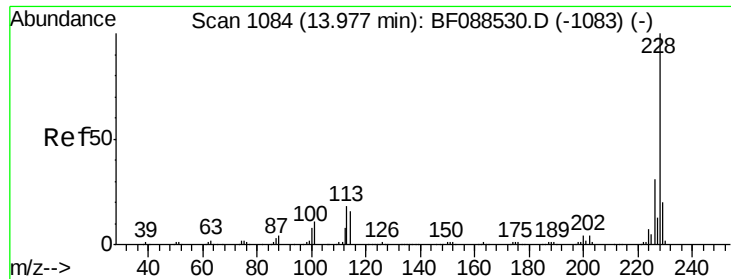


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

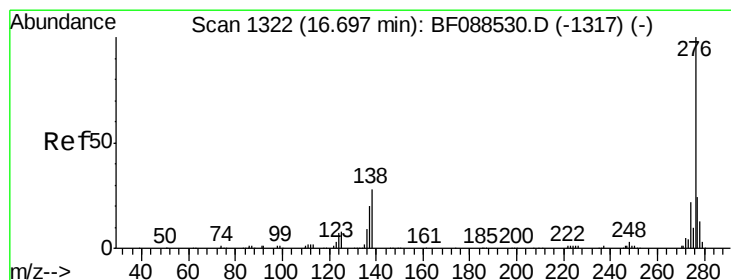
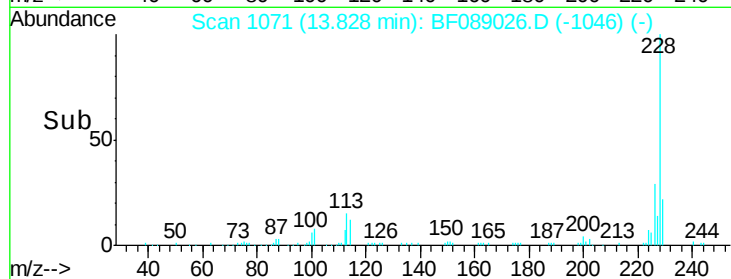
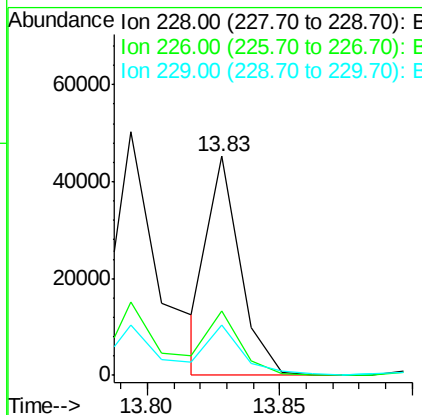
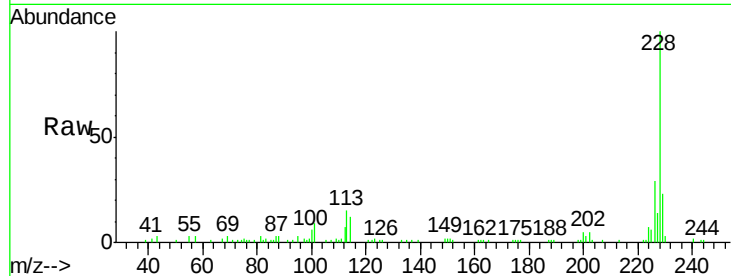




#82
Chrysene
Concen: 5.17 ng/mL
RT: 13.83 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BF089026.D
Acq: 15 Jul 2016 19:59

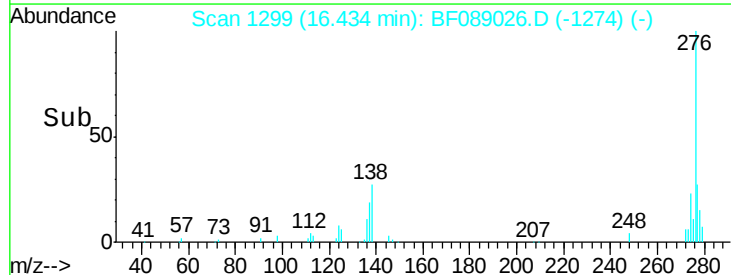
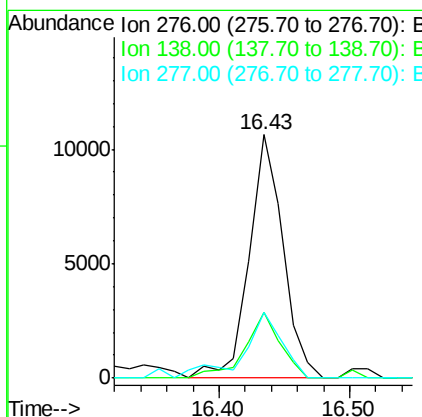
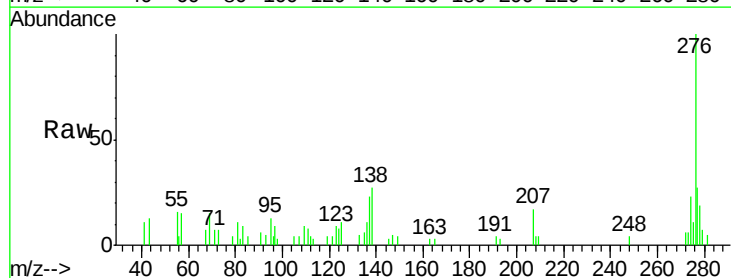
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB05(0-2ft)

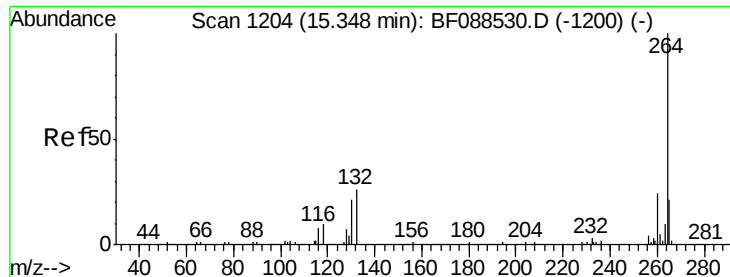
Tot Ion: 228 Resp: 38269
Ion Ratio Lower Upper
228 100
226 29.2 25.4 38.2
229 22.9 16.3 24.5



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.38 ng/mL
RT: 16.43 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF089026.D
Acq: 15 Jul 2016 19:59

Tgt Ion: 276 Resp: 19281
Ion Ratio Lower Upper
276 100
138 28.2 0.0 0.0#
277 31.9 0.0 0.0#

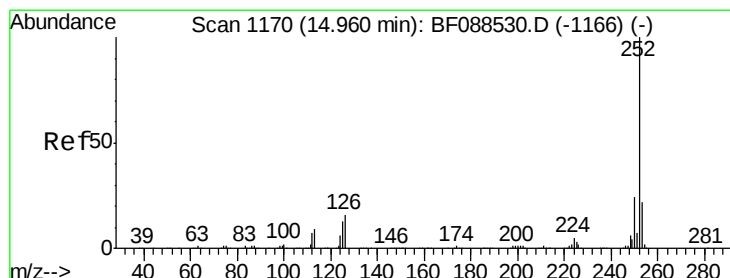
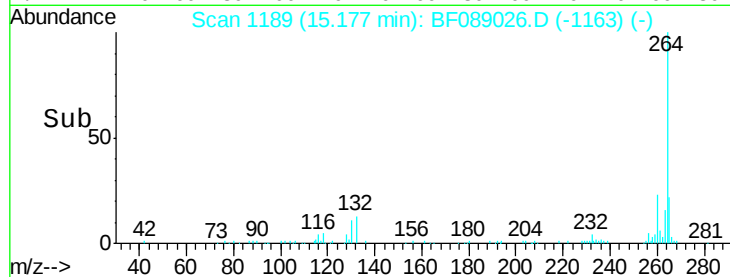
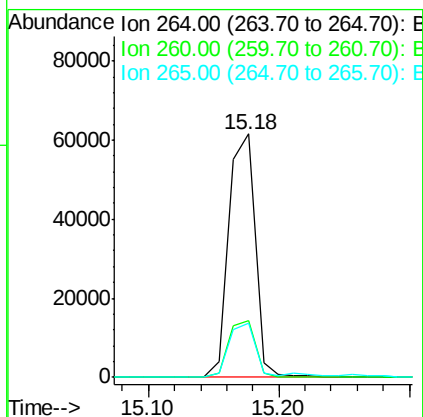
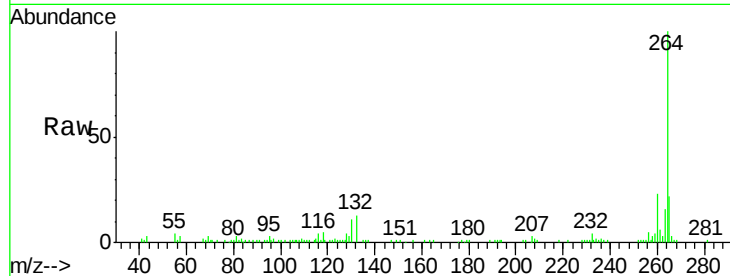




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1189
Delta R.T. 0.00 min
Lab File: BF089026.D
Acq: 15 Jul 2016 19:59

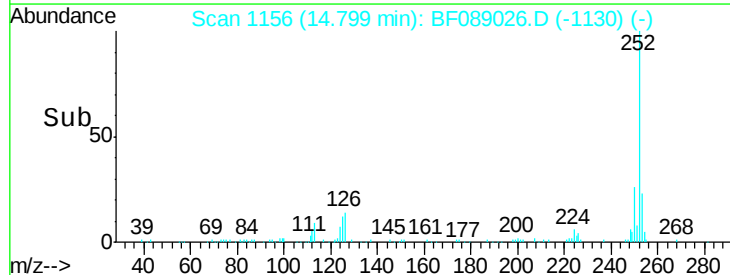
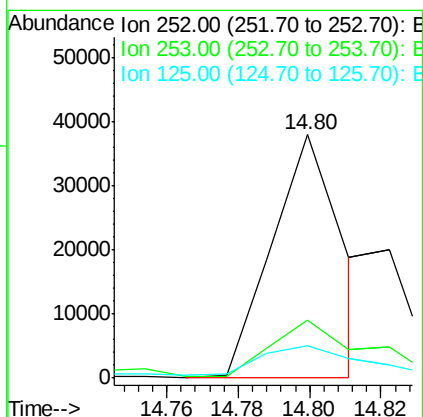
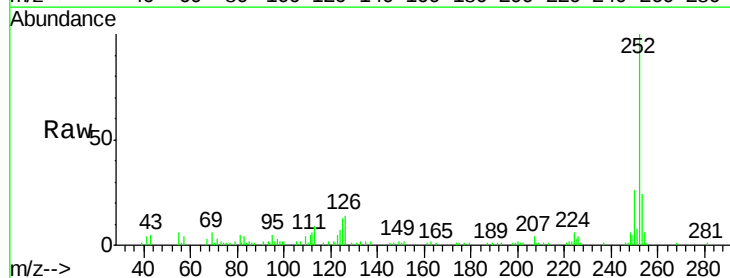
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB05(0-2ft)

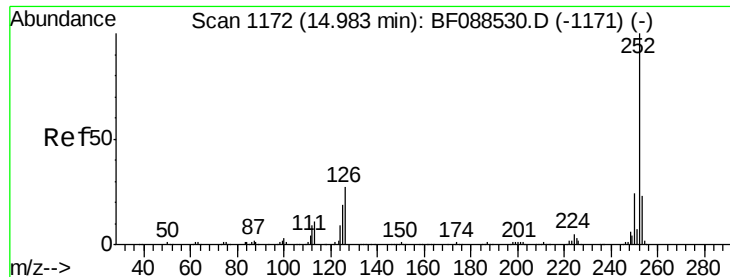
Tot Ion:264 Resp: 86641
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 22.1 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 9.55 ng m
RT: 14.80 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF089026.D
Acq: 15 Jul 2016 19:59

Tgt Ion:252 Resp: 51917
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.2
125 13.4 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 3.34 ng m

RT: 14.82 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BF089026.D

Acq: 15 Jul 2016 19:59

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB05(0-2ft)

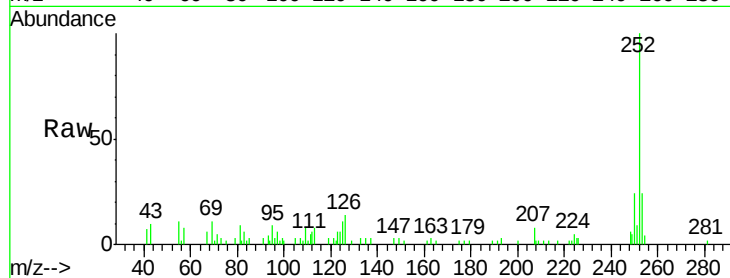
Tot Ion:252 Resp: 15812

Ion Ratio Lower Upper

252 100

253 24.2 18.0 27.0

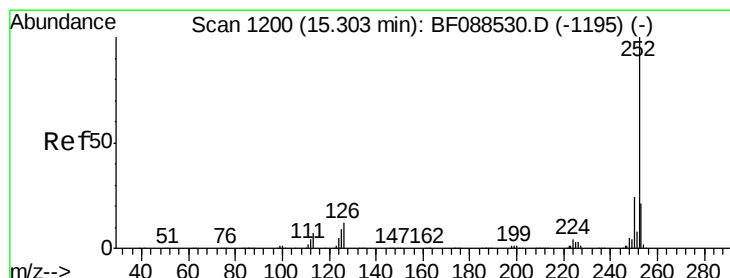
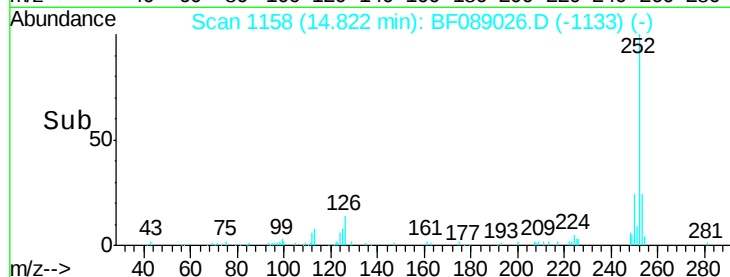
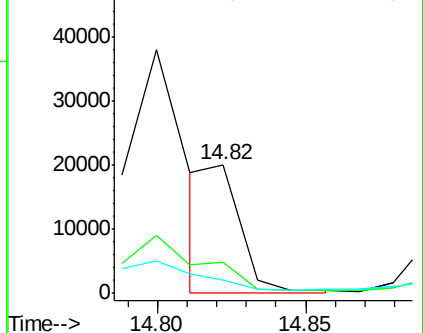
125 10.6 11.2 16.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 7.25 ng m

RT: 15.12 min Scan# 1184

Delta R.T. 0.00 min

Lab File: BF089026.D

Acq: 15 Jul 2016 19:59

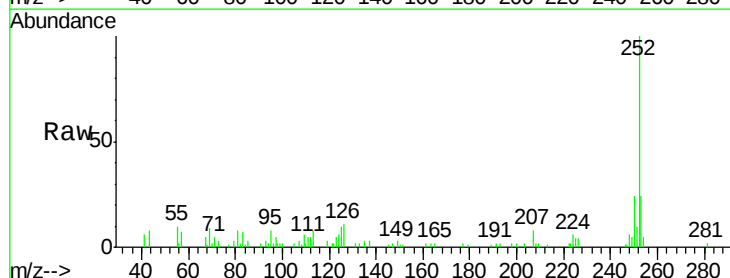
Tgt Ion:252 Resp: 33366

Ion Ratio Lower Upper

252 100

253 24.2 17.9 26.9

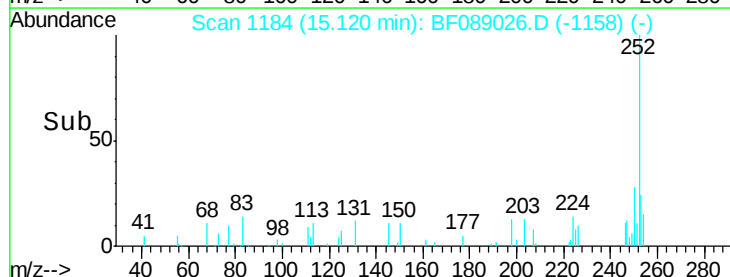
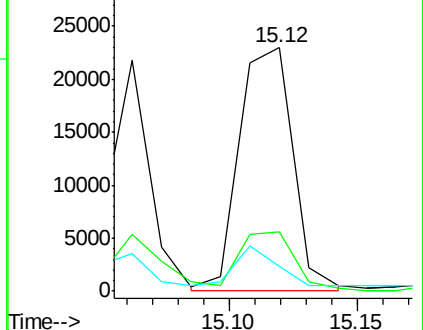
125 10.2 12.5 18.7#

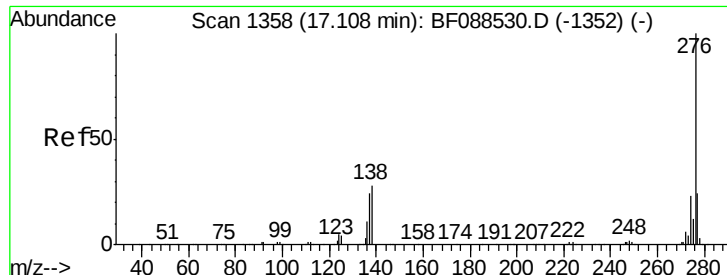


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 4.40 ng

RT: 16.81 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BF089026.D

Acq: 15 Jul 2016 19:59

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB05(0-2ft)

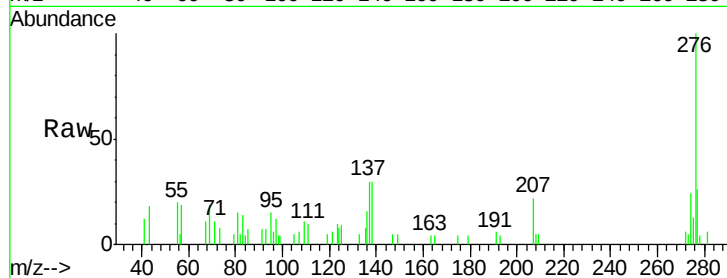
Tot Ion: 276 Resp: 17494

Ion Ratio Lower Upper

276 100

277 25.6 18.9 28.3

138 29.7 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

