

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
 Data File : BF089019.D
 Acq On : 15 Jul 2016 16:25
 Operator : UM/SJ
 Sample : H3972-02 4X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB08(0-2in)

Quant Time: Jul 15 23:33:37 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 23:12:46 2016
 Response via : Initial Calibration

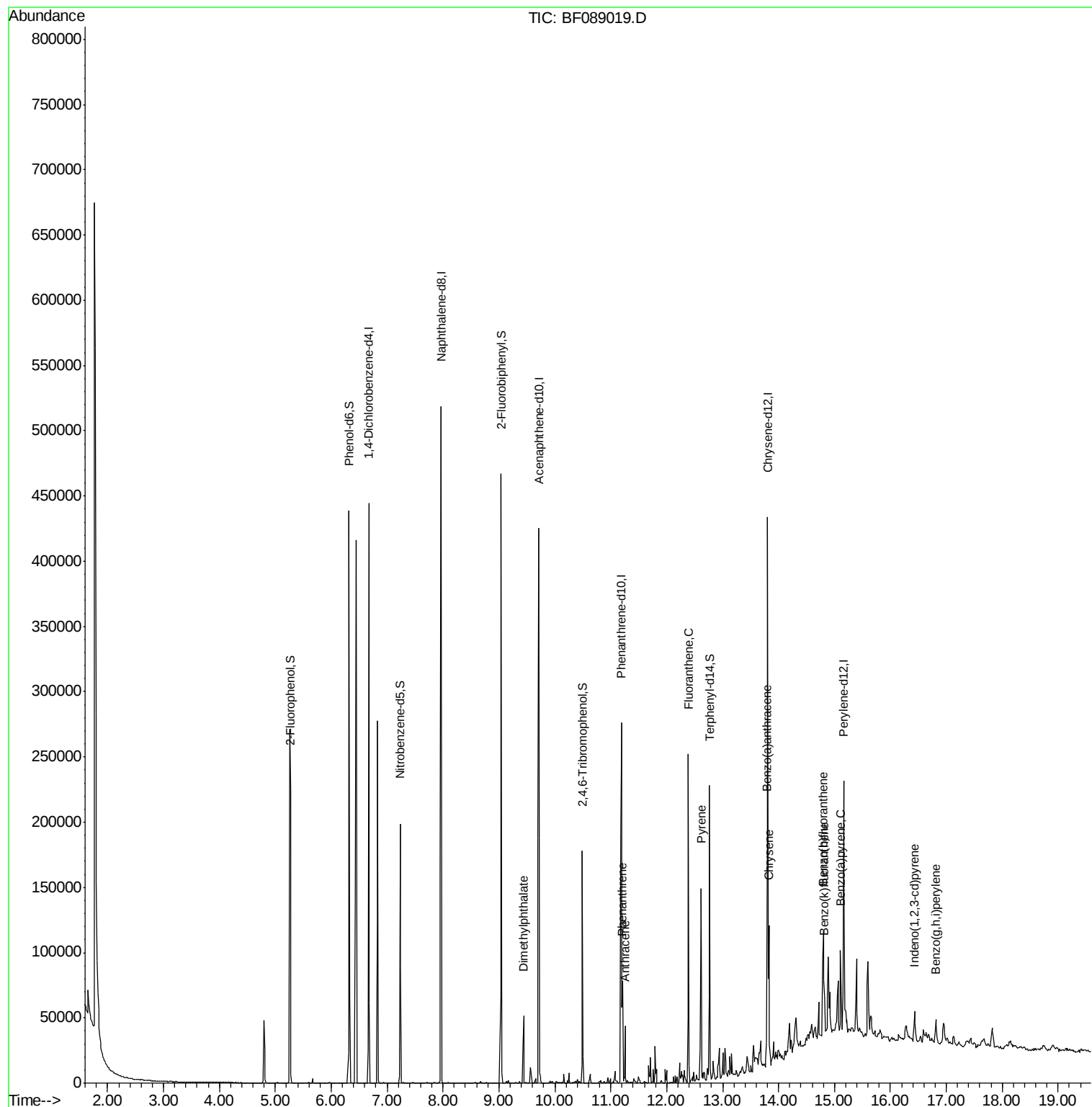
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	58300	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	235857	20.00	ng	0.00
38) Acenaphthene-d10	9.71	164	88997	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	130677	20.00	ng	0.00
75) Chrysene-d12	13.81	240	110390	20.00	ng	-0.01
86) Perylene-d12	15.17	264	79593	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	101298	26.04	ng	0.00
7) Phenol-d6	6.32	99	129891	25.84	ng	-0.01
23) Nitrobenzene-d5	7.23	82	72286	16.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	15370	18.60	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	131234	23.29	ng	0.00
78) Terphenyl-d14	12.77	244	64374	12.99	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.44	163	26490	4.18	ng	98
70) Phenanthrene	11.21	178	40175	5.62	ng	97
71) Anthracene	11.26	178	15515	2.18	ng	97
74) Fluoranthene	12.39	202	88758	12.26	ng	96
77) Pyrene	12.62	202	78019	8.34	ng	98
80) Benzo(a)anthracene	13.79	228	45322	6.38	ng	94
82) Chrysene	13.83	228	31116	4.42	ng	98
85) Indeno(1,2,3-cd)pyrene	16.43	276	13972	2.58	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	40612m	8.13	ng	
88) Benzo(k)fluoranthene	14.81	252	9502m	2.19	ng	
89) Benzo(a)pyrene	15.11	252	25930	6.13	ng	97
91) Benzo(a,h,i)perylene	16.81	276	12897	3.53	ng	95

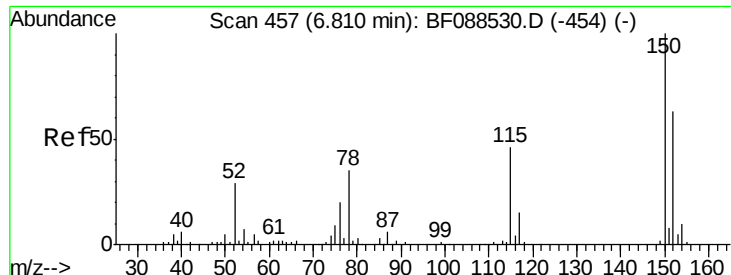
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 445

Delta R.T. 0.00 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB08(0-2in)

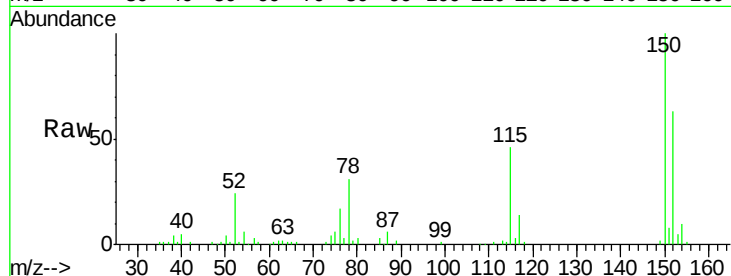
Tot Ion:152 Resp: 58300

Ion Ratio Lower Upper

152 100

150 159.4 123.8 185.6

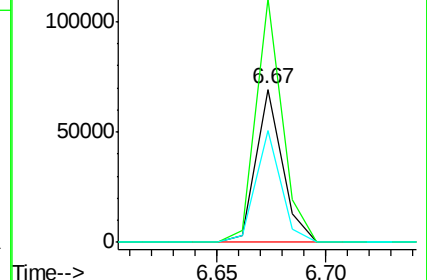
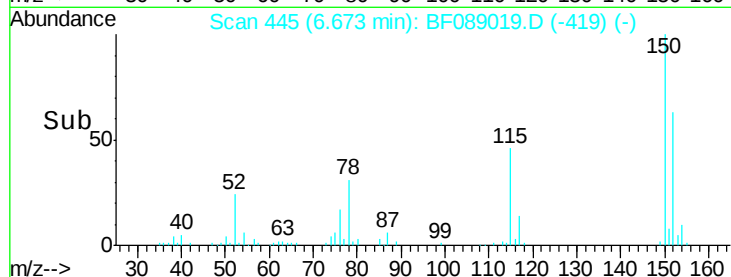
115 73.3 39.6 59.4#



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: 26.04 ng

RT: 5.27 min Scan# 322

Delta R.T. 0.00 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

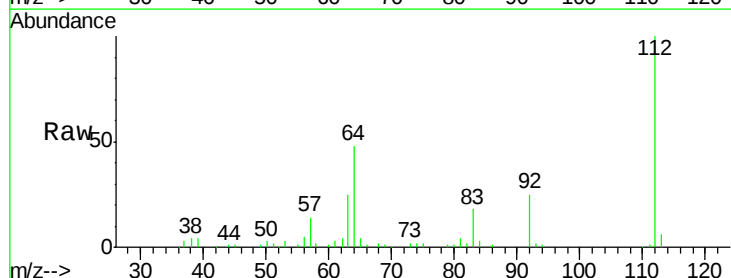
Tgt Ion:112 Resp: 101298

Ion Ratio Lower Upper

112 100

64 47.8 42.2 63.2

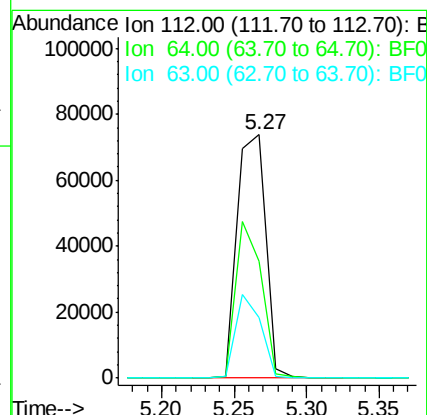
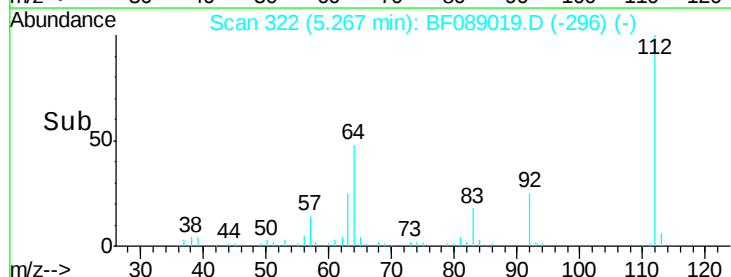
63 25.1 21.8 32.8



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: 25.84 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB08(0-2in)

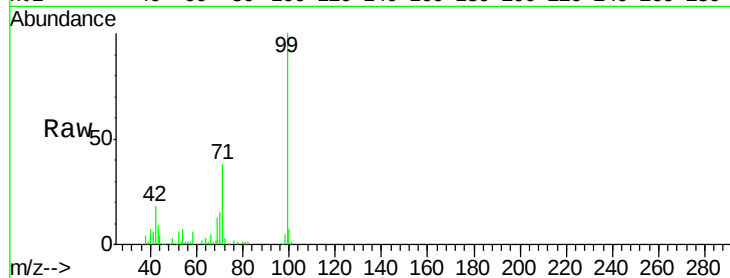
Tot Ion: 99 Resp: 129891

Ion Ratio Lower Upper

99 100

42 18.3 12.2 18.2#

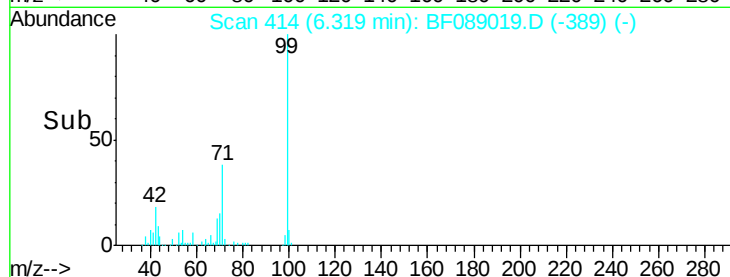
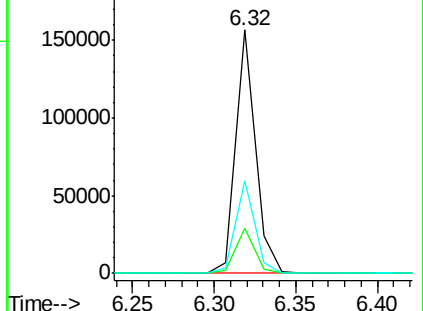
71 38.3 23.4 35.0#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. 0.00 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

Tgt Ion: 136 Resp: 235857

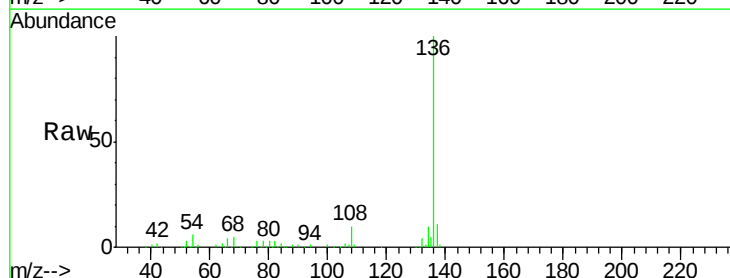
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.7 6.6 10.0#

68 4.7 5.1 7.7#

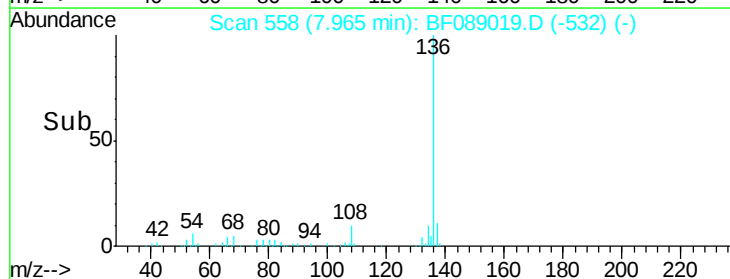
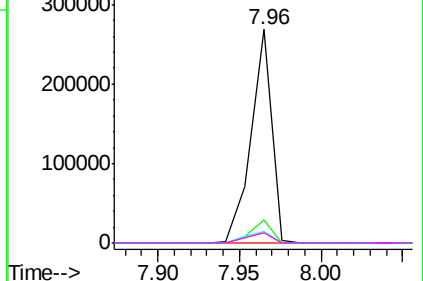


Abundance Ion 136.00 (135.70 to 136.70): E

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

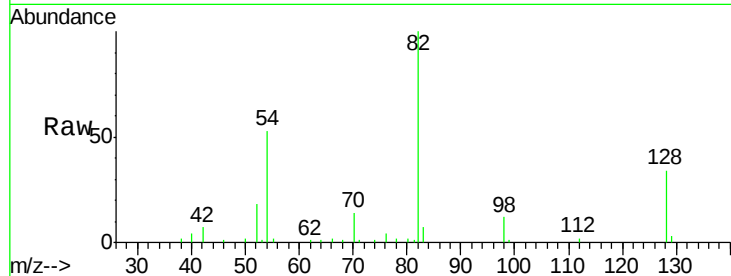




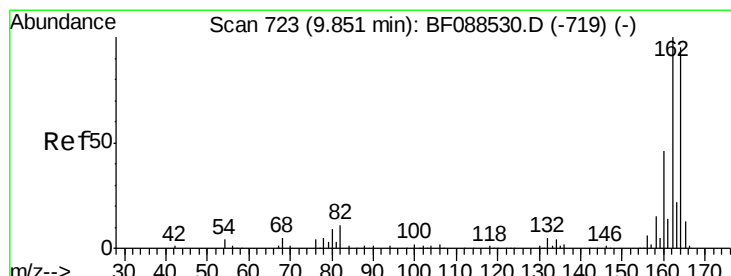
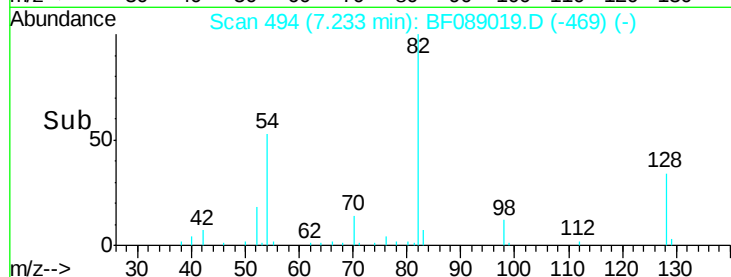
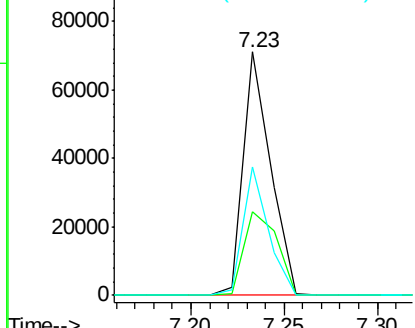
#23
 Nitrobenzene-d5
 Concen: 16.06 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: BF089019.D
 Acq: 15 Jul 2016 16:25

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB08(0-2in)

Tot Ion: 82 Resp: 72286
 Ion Ratio Lower Upper
 82 100
 128 34.4 35.9 53.9#
 54 52.7 40.9 61.3

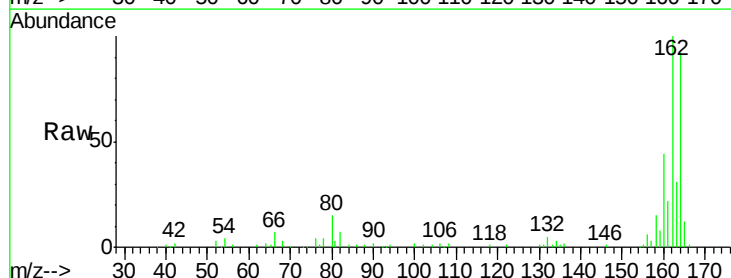


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

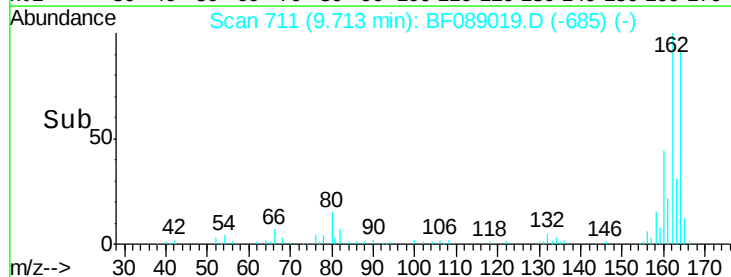
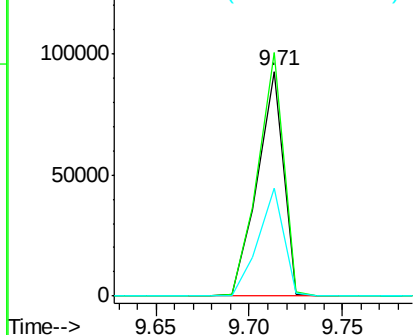


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BF089019.D
 Acq: 15 Jul 2016 16:25

Tgt Ion:164 Resp: 88997
 Ion Ratio Lower Upper
 164 100
 162 108.4 85.4 128.2
 160 48.2 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

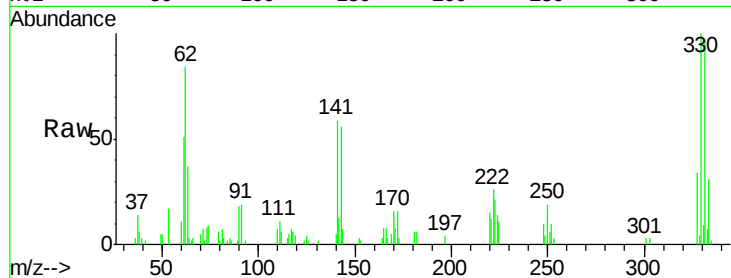




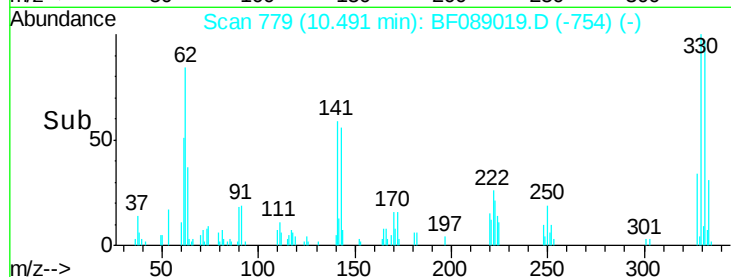
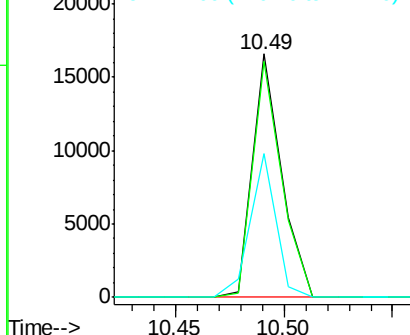
#41
 2,4,6-Tribromophenol
 Concen: 18.60 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089019.D
 Acq: 15 Jul 2016 16:25

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB08(0-2in)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	0.0	0.0#
141	52.1	0.0	0.0#

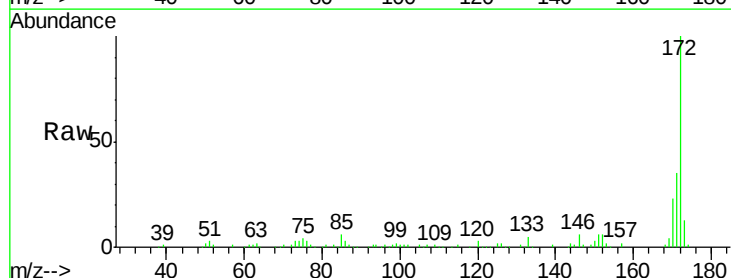


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

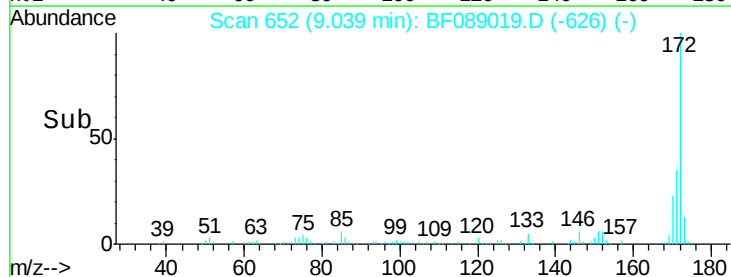
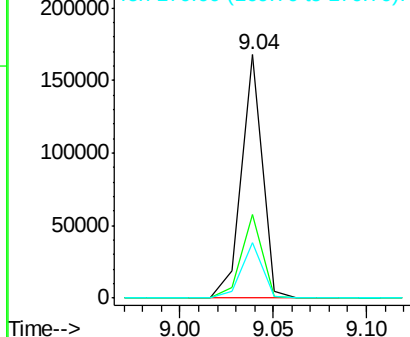


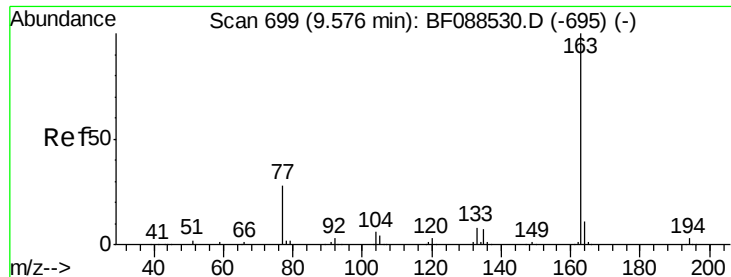
#44
 2-Fluorobiphenyl
 Concen: 23.29 ng
 RT: 9.04 min Scan# 652
 Delta R.T. 0.00 min
 Lab File: BF089019.D
 Acq: 15 Jul 2016 16:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.6	43.0
170	22.9	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: 4.18 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB08(0-2in)

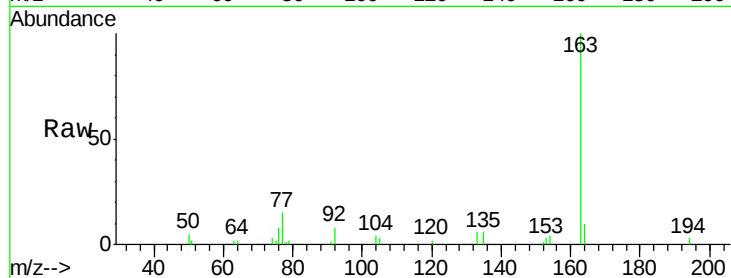
Tot Ion:163 Resp: 26490

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

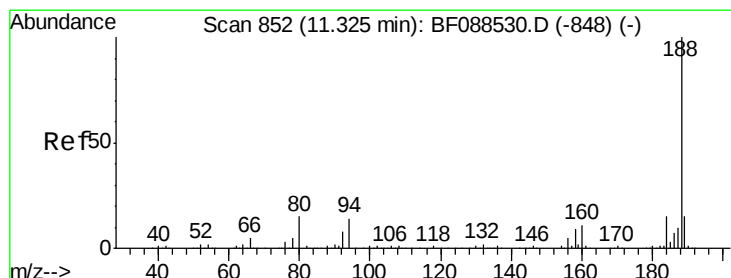
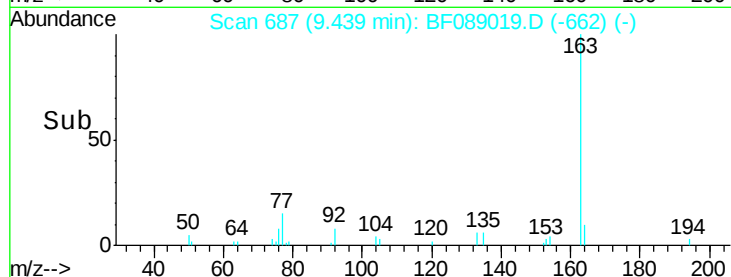
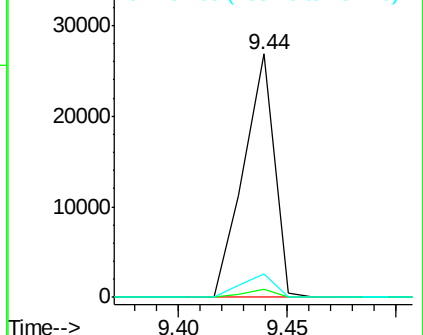
164 9.5 8.3 12.5



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: BF089019.D

Acq: 15 Jul 2016 16:25

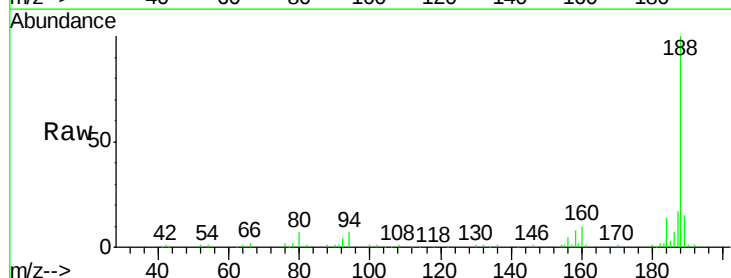
Tgt Ion:188 Resp: 130677

Ion Ratio Lower Upper

188 100

94 6.5 9.0 13.6#

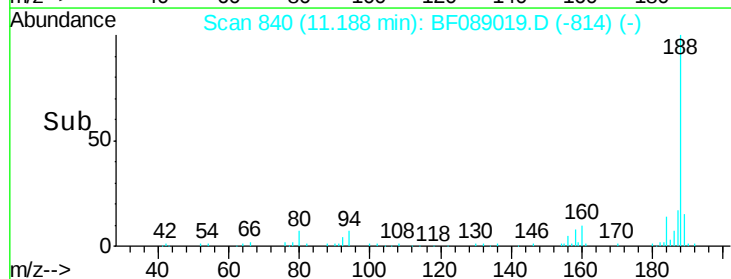
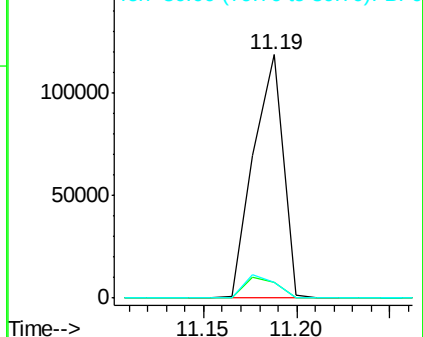
80 6.7 10.0 15.0#

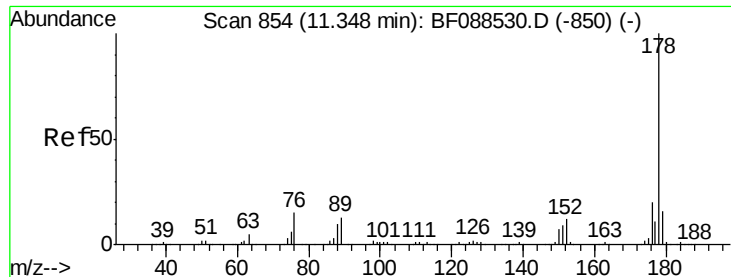


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

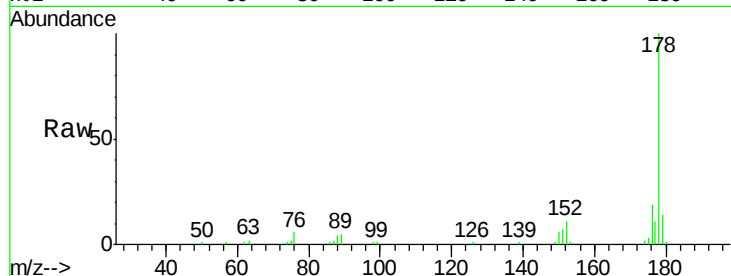




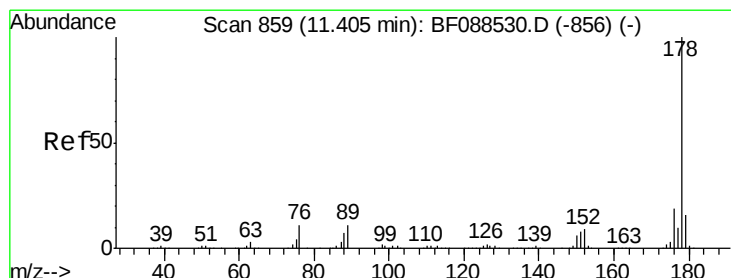
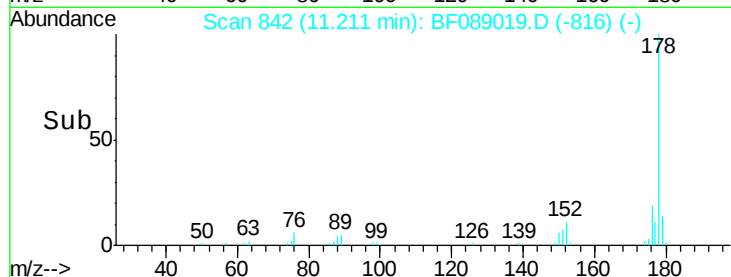
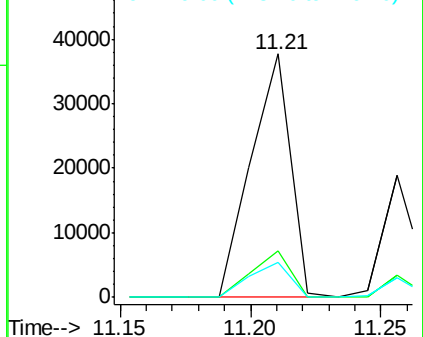
#70
Phenanthrene
Concen: 5.62 ng
RT: 11.21 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF089019.D
Acq: 15 Jul 2016 16:25

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB08(0-2in)

Tot Ion:178 Resp: 40175
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 14.4 13.0 19.4

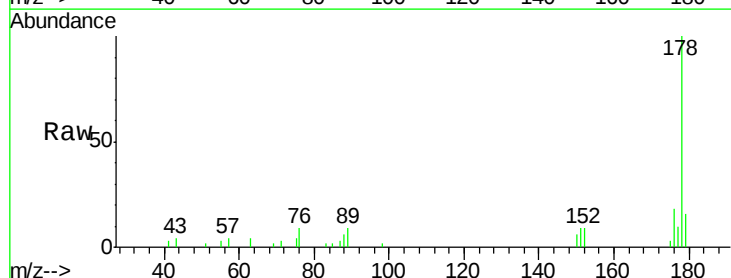


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

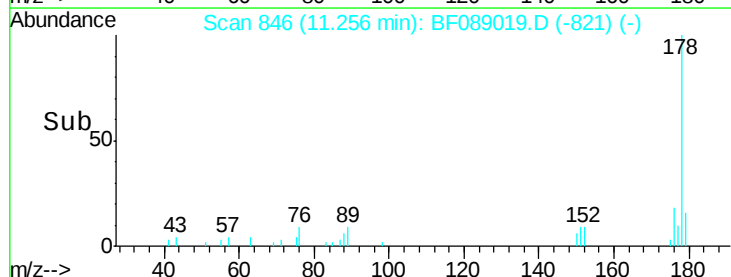
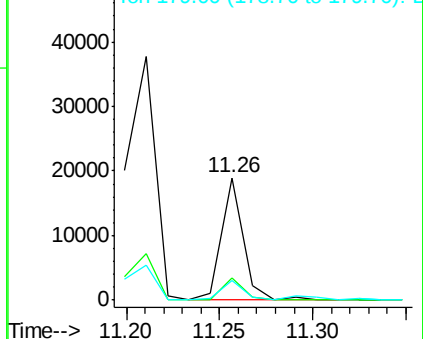


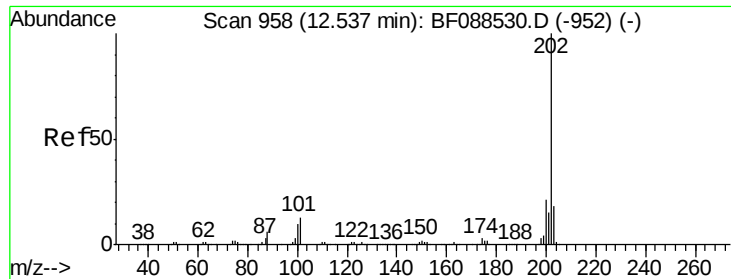
#71
Anthracene
Concen: 2.18 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF089019.D
Acq: 15 Jul 2016 16:25

Tgt Ion:178 Resp: 15515
Ion Ratio Lower Upper
178 100
176 17.7 15.6 23.4
179 15.6 12.8 19.2



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: 12.26 ng

RT: 12.39 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB08(0-2in)

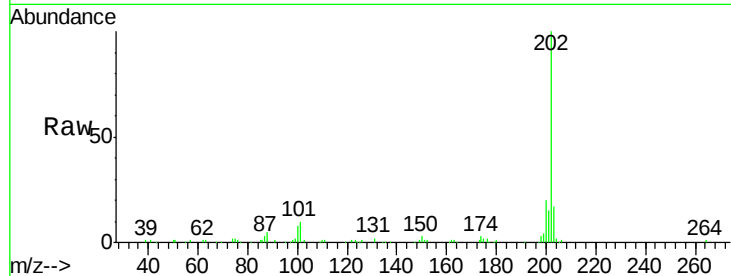
Tot Ion:202 Resp: 88758

Ion Ratio Lower Upper

202 100

101 10.4 0.0 33.1

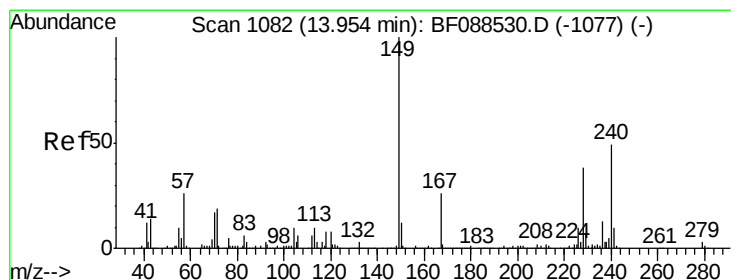
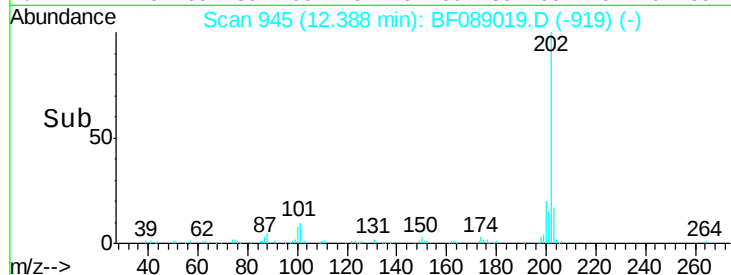
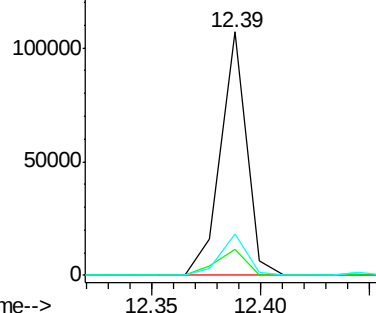
203 17.0 0.0 38.1



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: BF089019.D

Acq: 15 Jul 2016 16:25

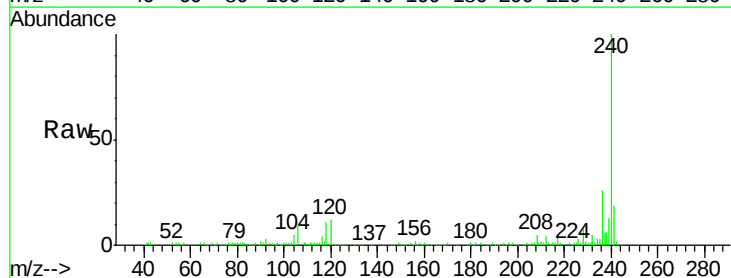
Tgt Ion:240 Resp: 110390

Ion Ratio Lower Upper

240 100

120 12.0 6.8 10.2#

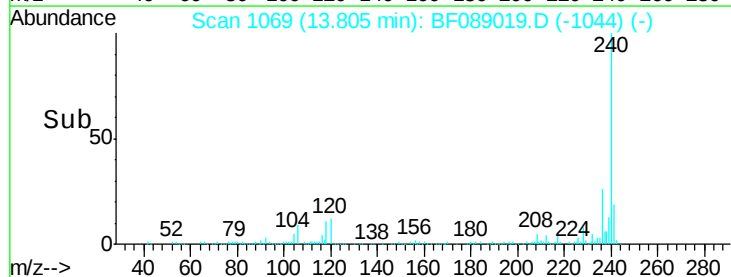
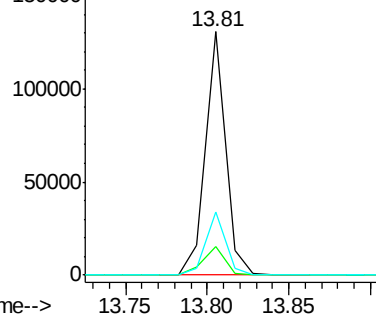
236 26.0 20.2 30.2

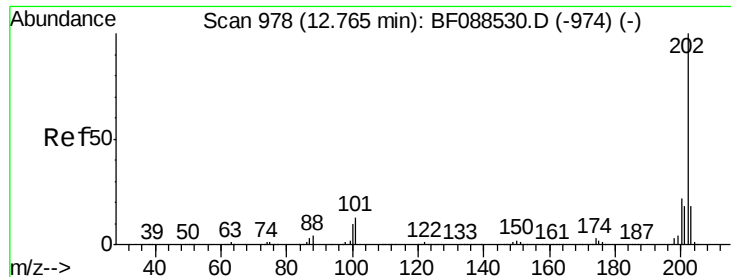


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.34 ng

RT: 12.62 min Scan# 965

Delta R.T. 0.00 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB08(0-2in)

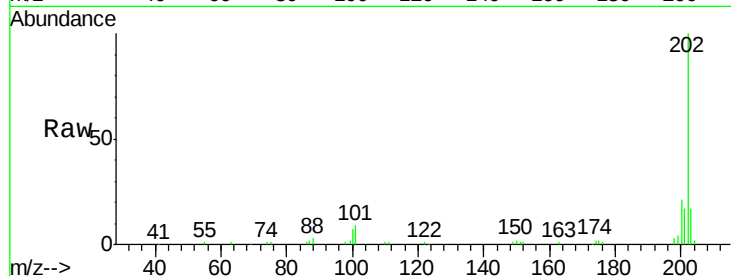
Tot Ion:202 Resp: 78019

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

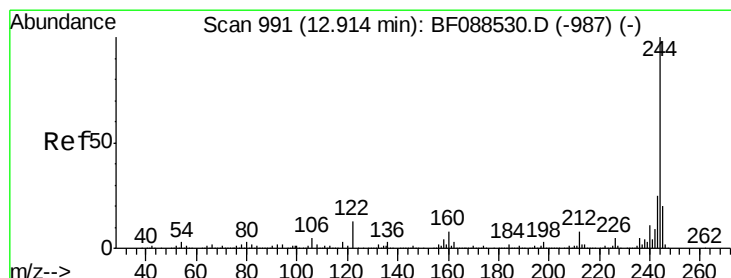
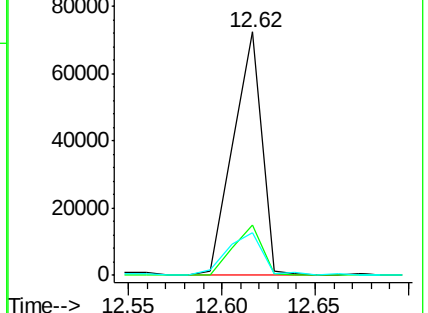
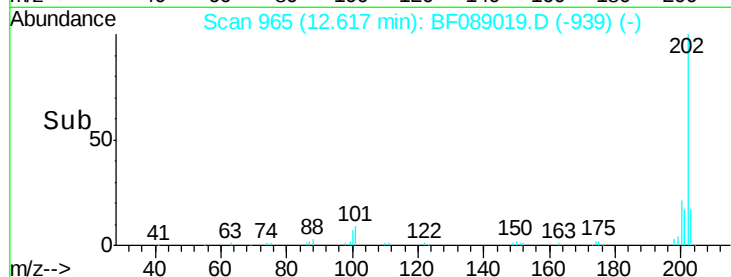
203 17.5 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 12.99 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.01 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

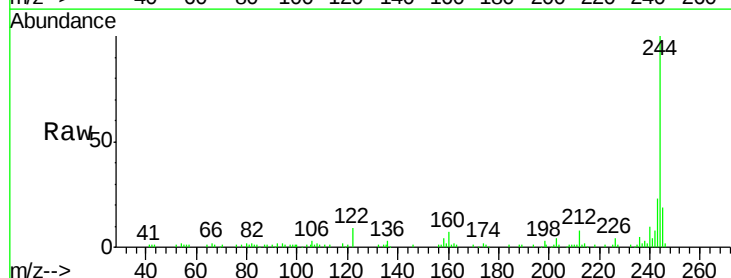
Tgt Ion:244 Resp: 64374

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

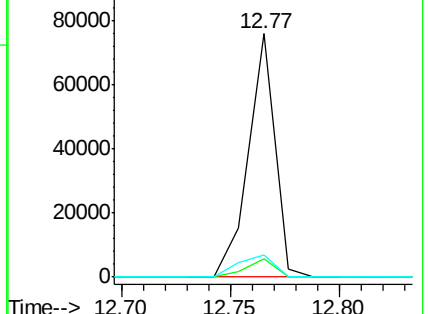
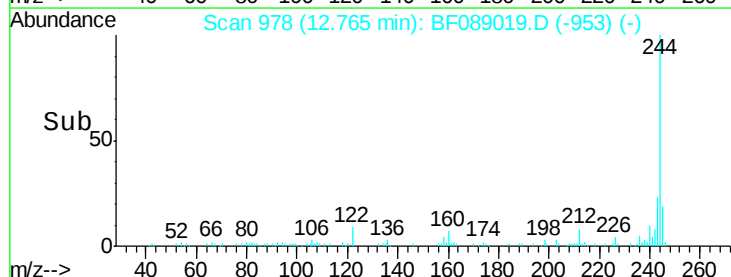
122 9.1 11.2 16.8#

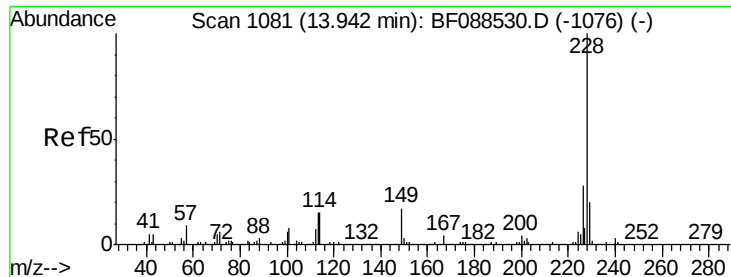


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.38 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB08(0-2in)

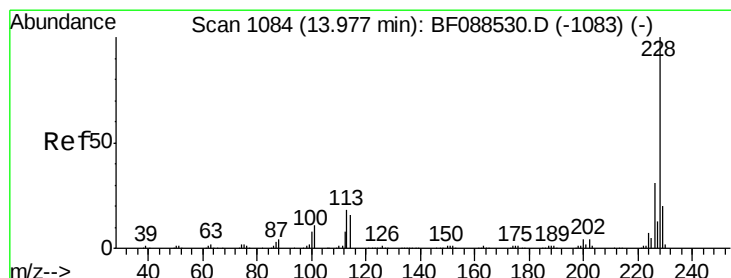
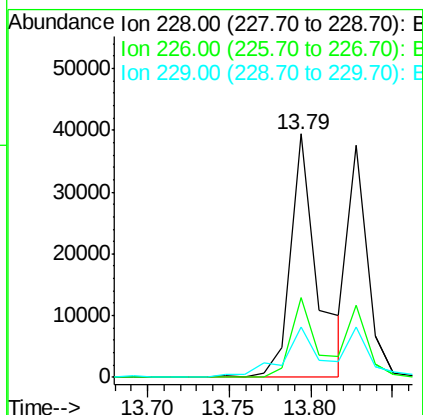
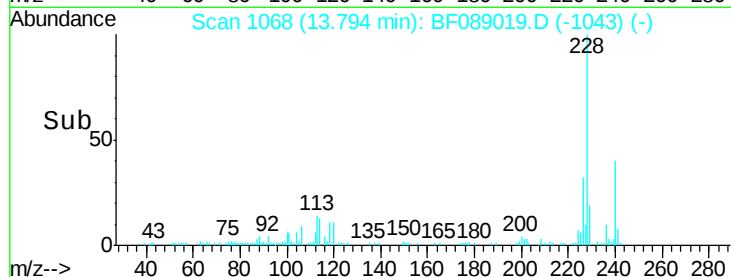
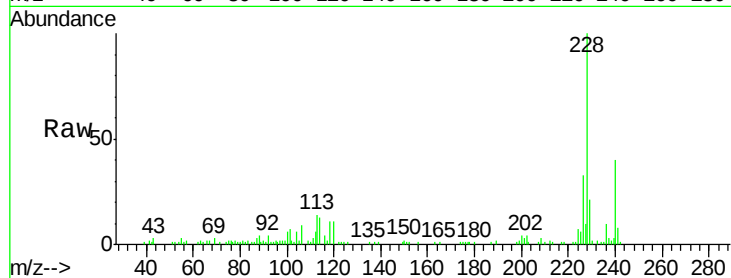
Tot Ion:228 Resp: 45322

Ion Ratio Lower Upper

228 100

226 32.9 22.3 33.5

229 20.6 16.0 24.0



#82

Chrysene

Concen: 4.42 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

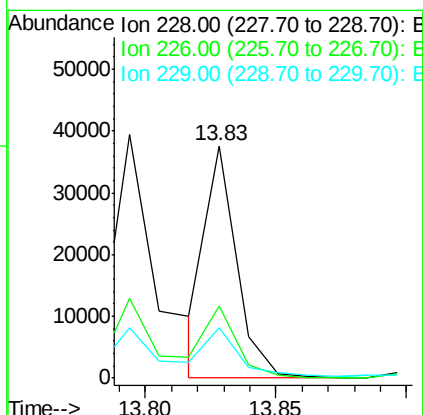
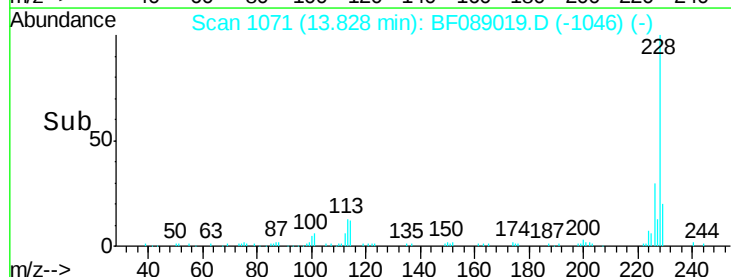
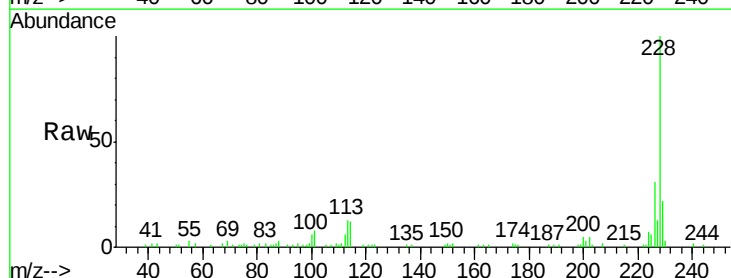
Tgt Ion:228 Resp: 31116

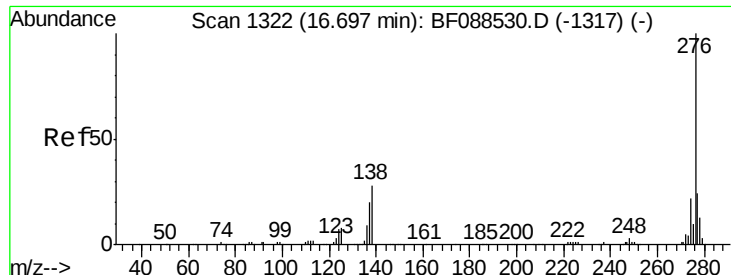
Ion Ratio Lower Upper

228 100

226 31.1 25.4 38.2

229 21.6 16.3 24.5

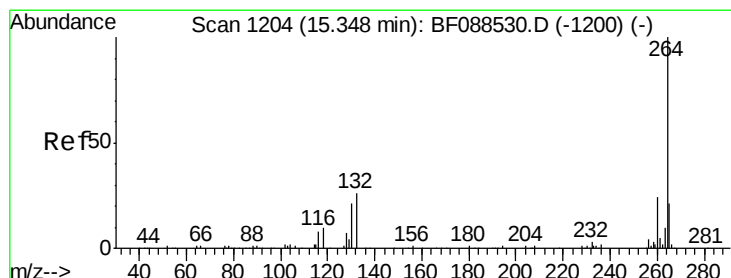
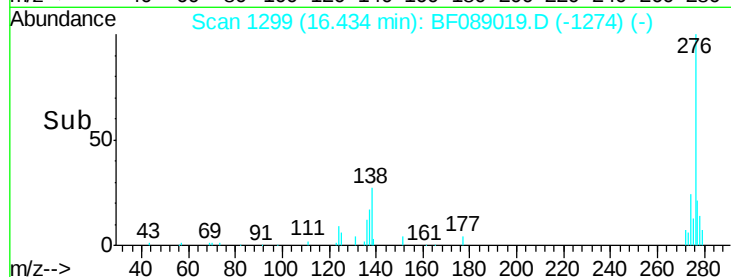
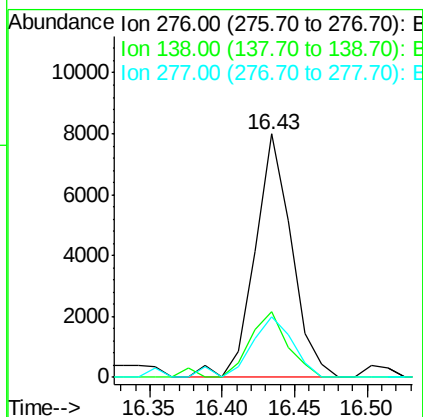
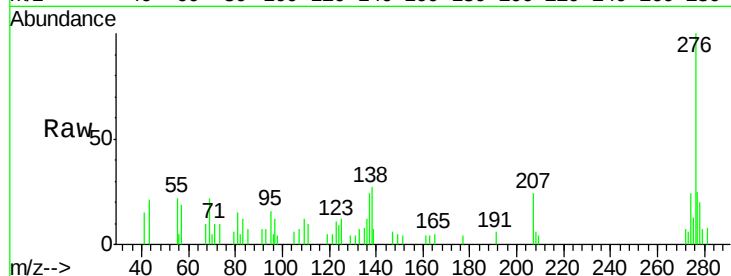




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.58 ng
RT: 16.43 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF089019.D
Acq: 15 Jul 2016 16:25

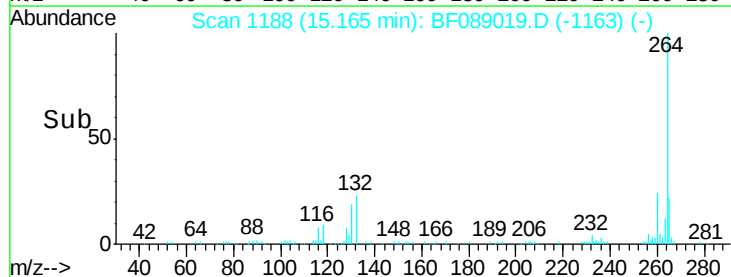
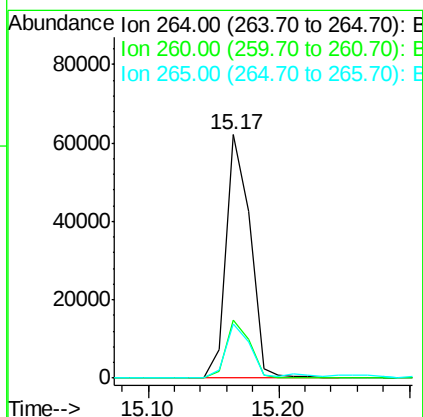
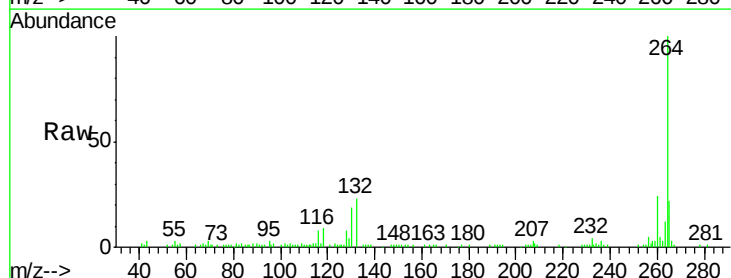
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB08(0-2in)

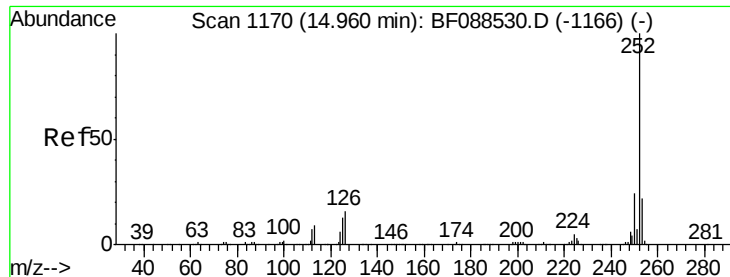
Tot Ion:276 Resp: 13972
Ion Ratio Lower Upper
276 100
138 27.8 0.0 0.0#
277 29.0 0.0 0.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF089019.D
Acq: 15 Jul 2016 16:25

Tgt Ion:264 Resp: 79593
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 22.5 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 8.13 ng m

RT: 14.80 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB08(0-2in)

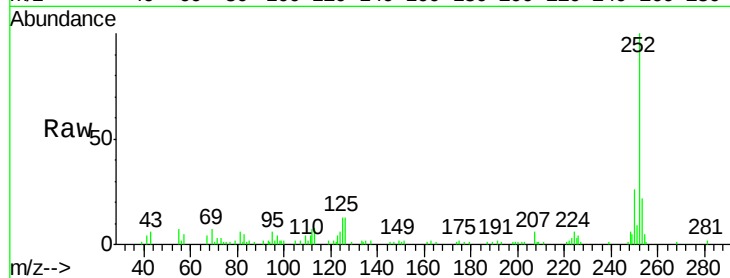
Tot Ion:252 Resp: 40612

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

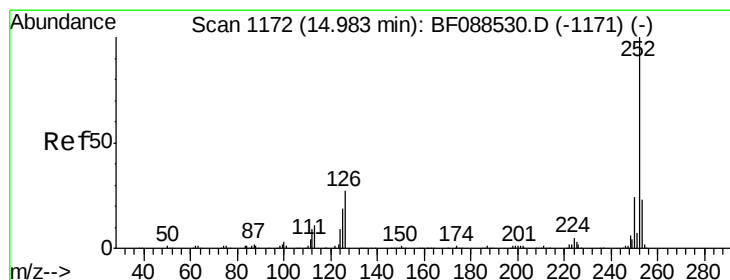
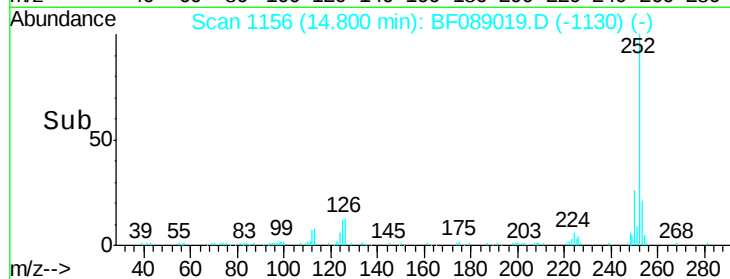
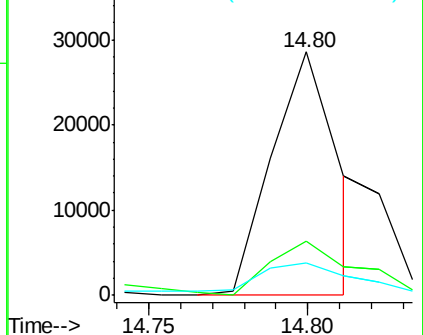
125 13.2 7.1 10.7#



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



#88

Benzo(k)fluoranthene

Concen: 2.19 ng m

RT: 14.81 min Scan# 1157

Delta R.T. -0.02 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

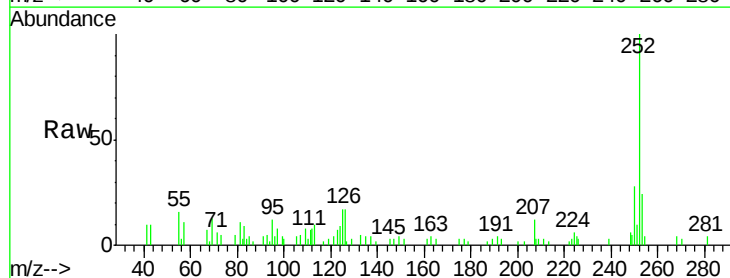
Tgt Ion:252 Resp: 9502

Ion Ratio Lower Upper

252 100

253 24.4 18.0 27.0

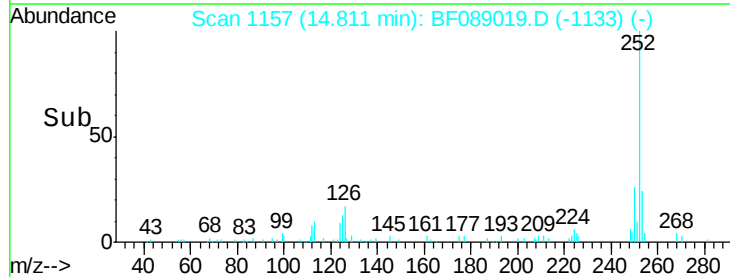
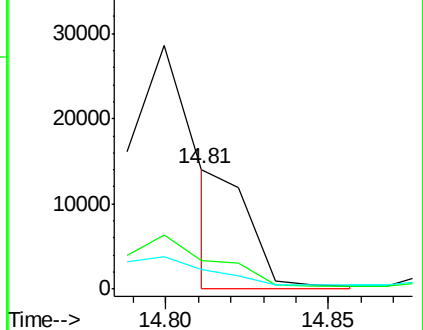
125 16.5 11.2 16.8

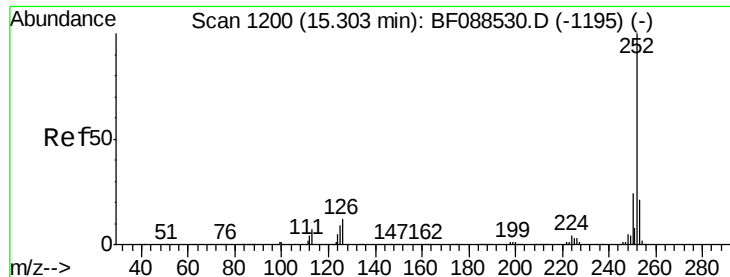


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 6.13 ng

RT: 15.11 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB08(0-2in)

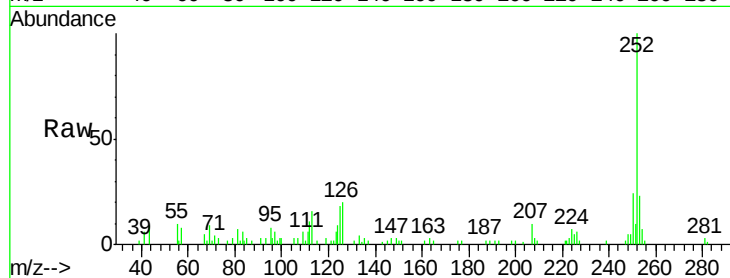
Tot Ion:252 Resp: 25930

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

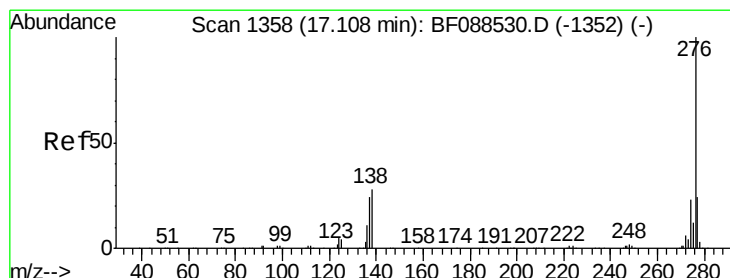
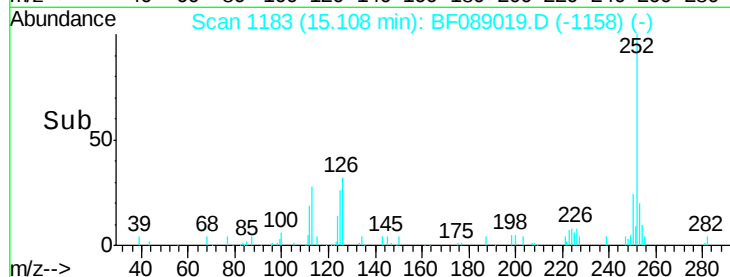
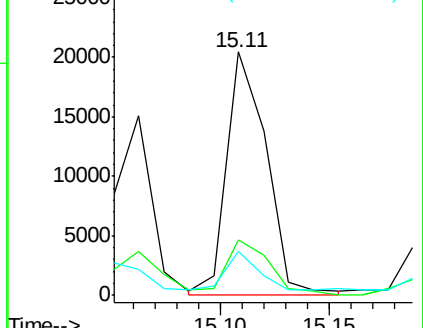
125 18.1 12.5 18.7



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: 3.53 ng

RT: 16.81 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BF089019.D

Acq: 15 Jul 2016 16:25

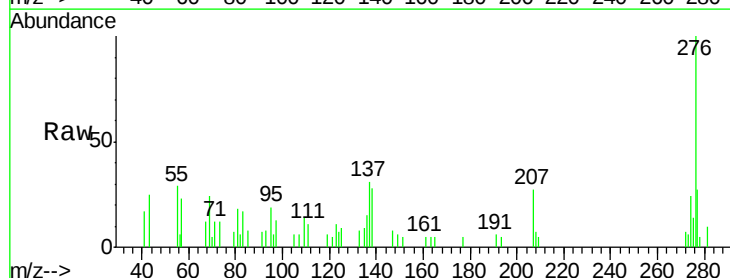
Tgt Ion:276 Resp: 12897

Ion Ratio Lower Upper

276 100

277 27.1 18.9 28.3

138 28.1 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

