

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071816\
 Data File : BF089088.D
 Acq On : 18 Jul 2016 18:10
 Operator : UM/SJ
 Sample : H3951-05 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB02(0-2ft)

Quant Time: Jul 19 03:48:02 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 19 03:29:12 2016
 Response via : Initial Calibration

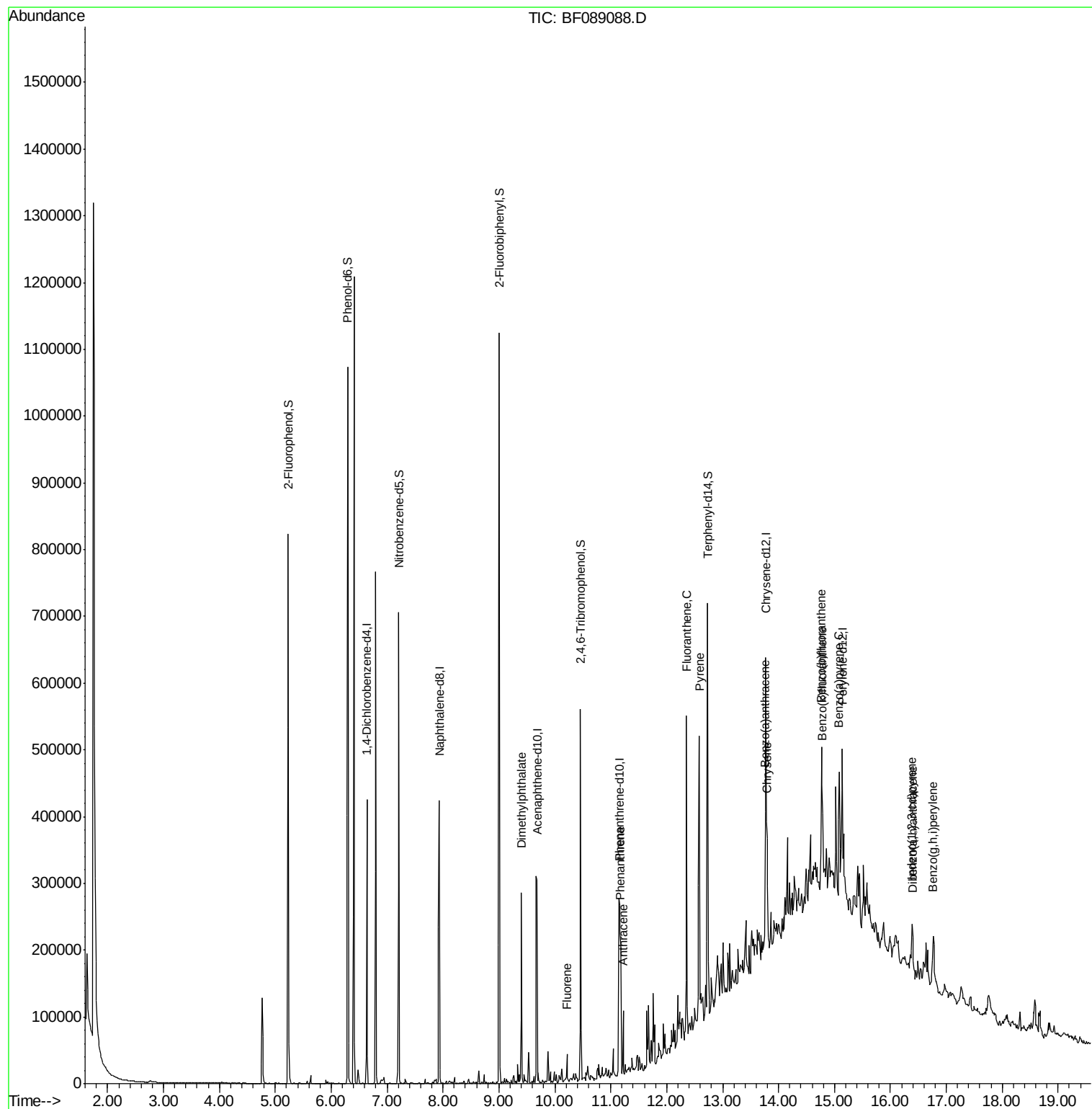
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	56844	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	221411	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	88987	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	140060	20.00	ng	0.00
75) Chrysene-d12	13.77	240	104720	20.00	ng	0.00
86) Perylene-d12	15.14	264	96720	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	284641	75.05	ng	0.01
7) Phenol-d6	6.30	99	371954	75.90	ng	0.00
23) Nitrobenzene-d5	7.21	82	245001	57.99	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	45915	55.56	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	310640	55.14	ng	0.00
78) Terphenyl-d14	12.73	244	154641	32.89	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.40	163	117269	18.50	ng	99
57) Fluorene	10.22	166	12637	2.22	ng	97
70) Phenanthrene	11.18	178	115129	15.04	ng	98
71) Anthracene	11.22	178	33629	4.42	ng	99
74) Fluoranthene	12.35	202	170015	21.90	ng	98
77) Pyrene	12.58	202	182656	20.57	ng	98
80) Benzo(a)anthracene	13.76	228	98480	14.60	ng	92
82) Chrysene	13.79	228	73170m	10.97	ng	
85) Indeno(1,2,3-cd)pyrene	16.39	276	36047	7.02	ng	# 100
87) Benzo(b)fluoranthene	14.77	252	91565m	15.09	ng	
88) Benzo(k)fluoranthene	14.78	252	38080m	7.21	ng	
89) Benzo(a)pyrene	15.09	252	79048	15.39	ng	96
90) Dibenzo(a,h)anthracene	16.40	278	13421	3.13	ng	# 64
91) Benzo(a,h,i)perylene	16.77	276	48978	11.03	ng	93

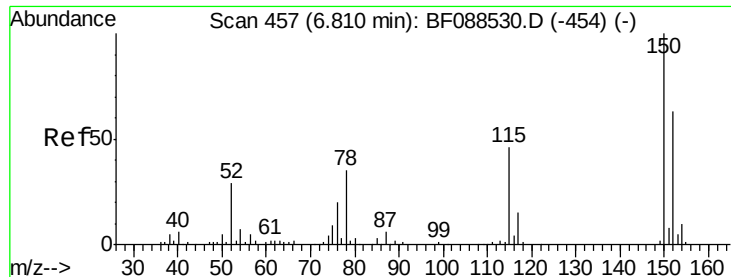
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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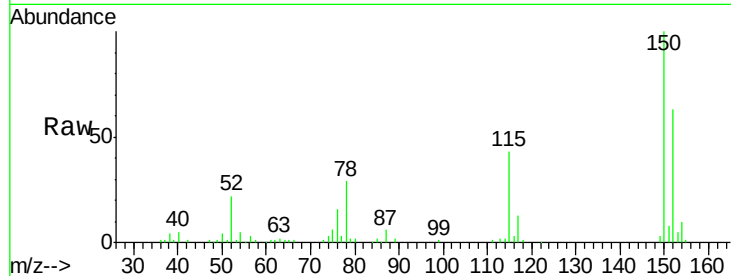


#1

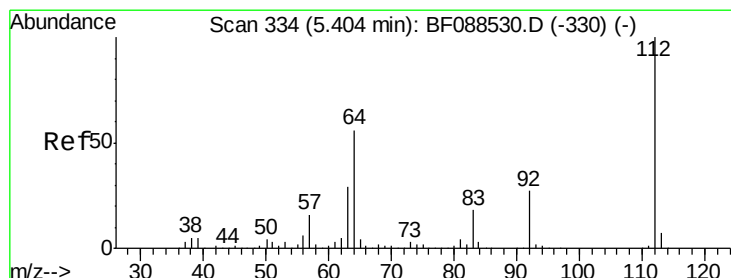
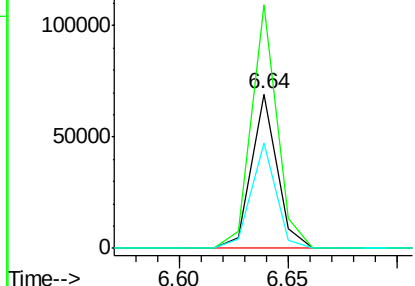
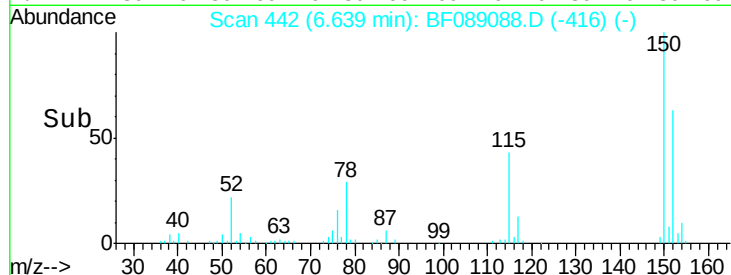
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 442
Delta R.T. -0.00 min
Lab File: BF089088.D
Acq: 18 Jul 2016 18:10

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB02(0-2ft)

Tot Ion:152 Resp: 56844
Ion Ratio Lower Upper
152 100
150 158.0 123.8 185.6
115 68.2 39.6 59.4#



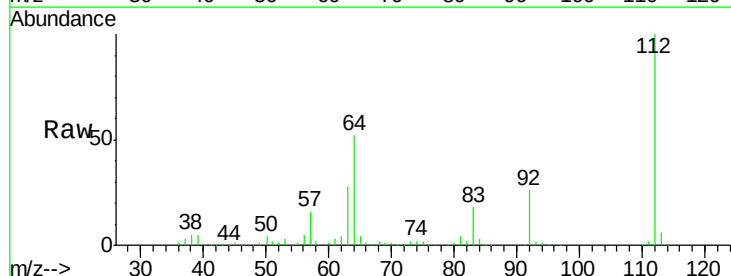
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



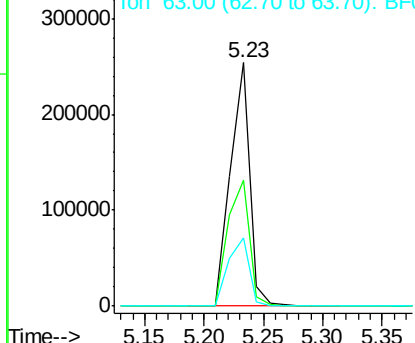
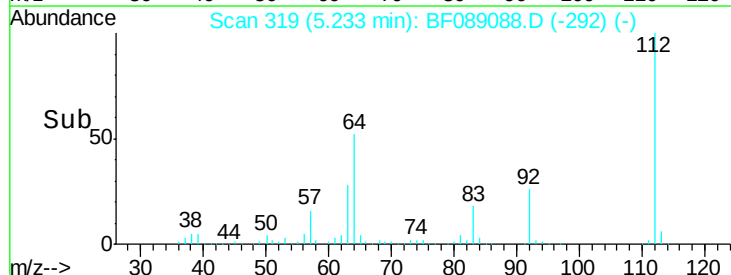
#5

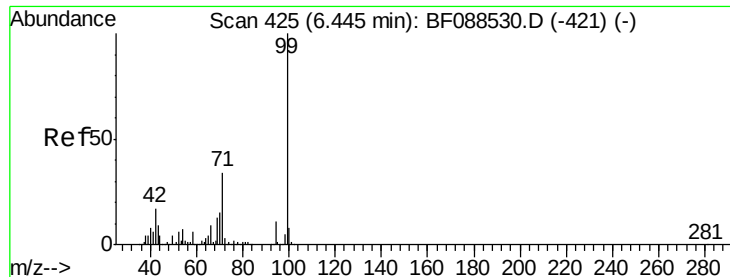
2-Fluorophenol
Concen: 75.05 ng
RT: 5.23 min Scan# 319
Delta R.T. 0.01 min
Lab File: BF089088.D
Acq: 18 Jul 2016 18:10

Tgt Ion:112 Resp: 284641
Ion Ratio Lower Upper
112 100
64 51.6 42.2 63.2
63 27.9 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: 75.90 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.00 min

Lab File: BF089088.D

Acq: 18 Jul 2016 18:10

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB02(0-2ft)

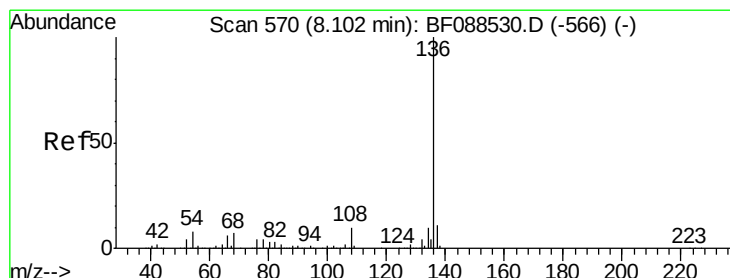
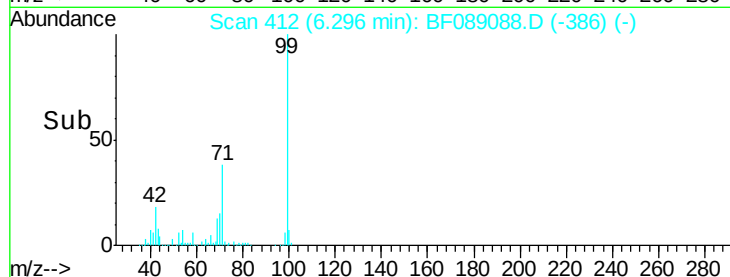
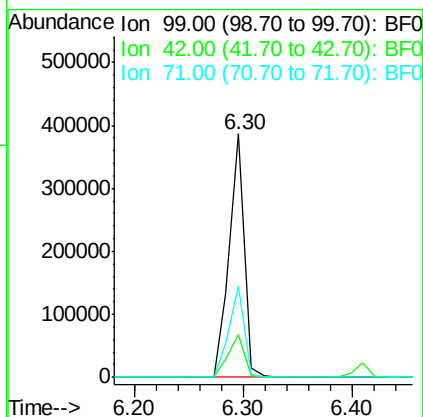
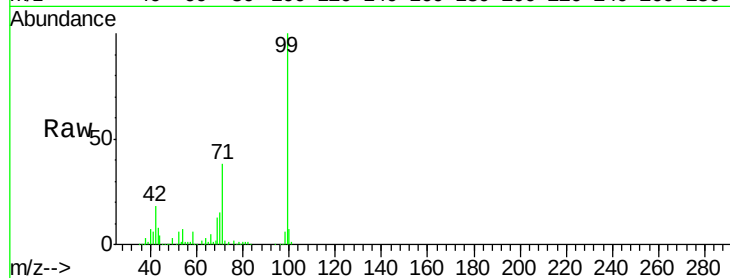
Tot Ion: 99 Resp: 371954

Ion Ratio Lower Upper

99 100

42 17.5 12.2 18.2

71 37.6 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.00 min

Lab File: BF089088.D

Acq: 18 Jul 2016 18:10

Tgt Ion: 136 Resp: 221411

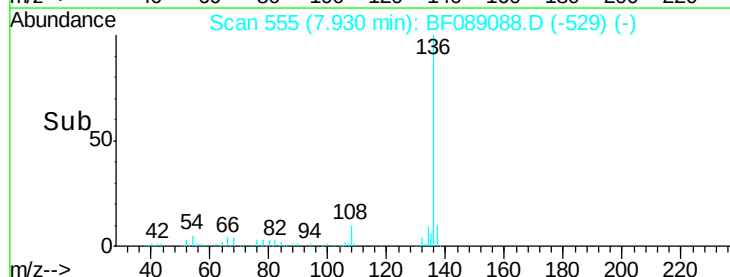
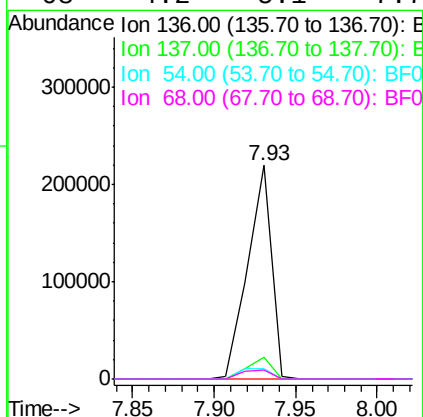
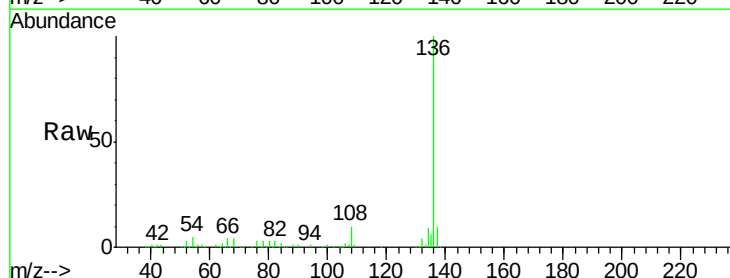
Ion Ratio Lower Upper

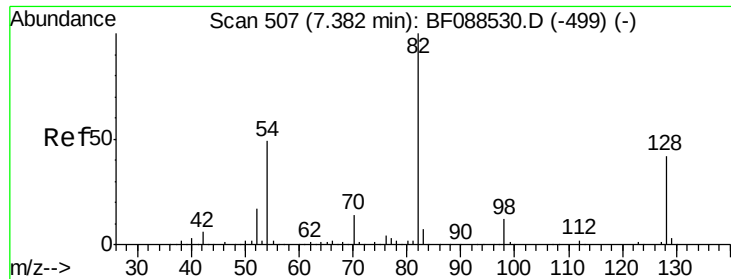
136 100

137 10.5 9.1 13.7

54 5.0 6.6 10.0#

68 4.2 5.1 7.7#

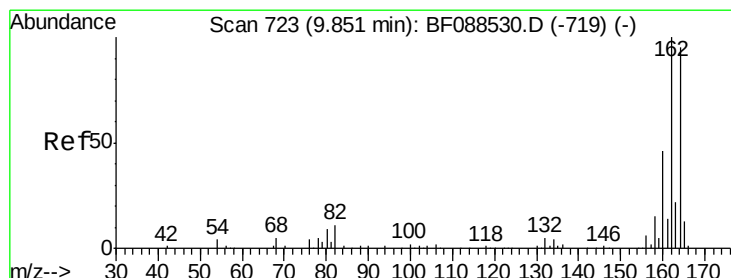
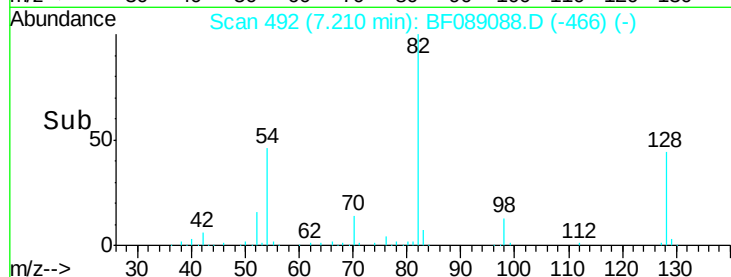
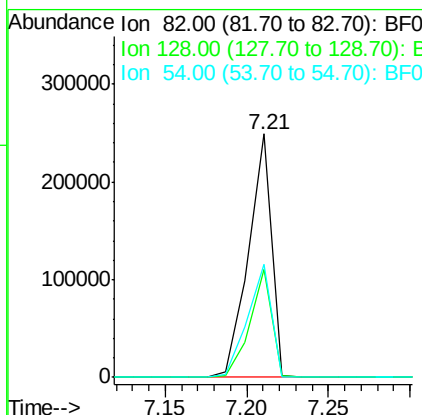
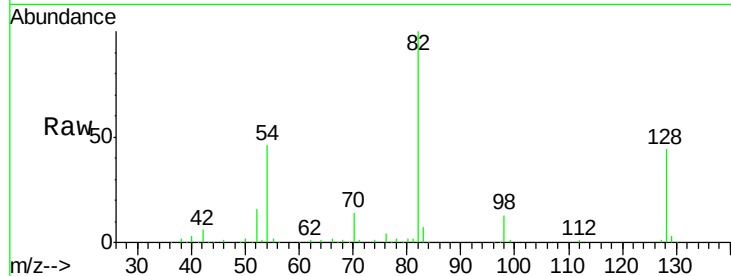




#23
 Nitrobenzene-d5
 Concen: 57.99 ng
 RT: 7.21 min Scan# 492
 Delta R.T. -0.00 min
 Lab File: BF089088.D
 Acq: 18 Jul 2016 18:10

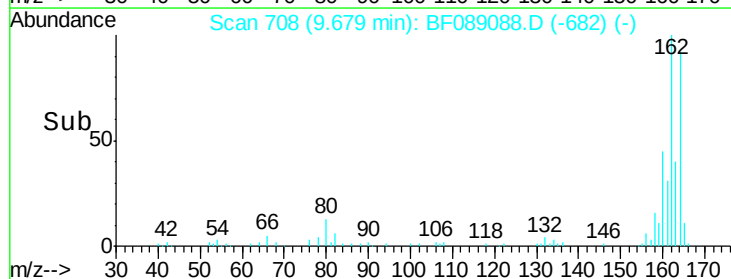
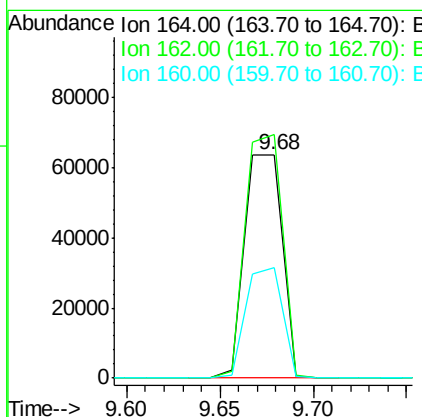
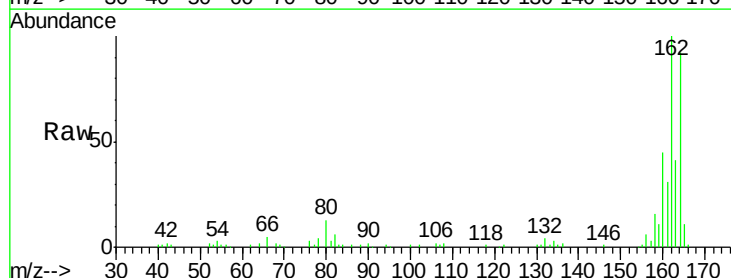
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB02(0-2ft)

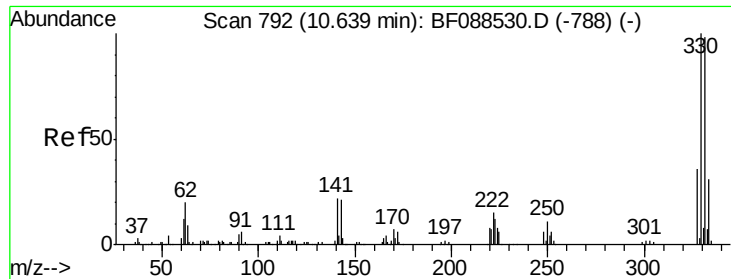
Tot Ion	82	Resp	245001
Ion Ratio	100	Lower	Upper
128	44.5	35.9	53.9
54	46.2	40.9	61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: BF089088.D
 Acq: 18 Jul 2016 18:10

Tgt Ion	164	Resp	88987
Ion Ratio	100	Lower	Upper
162	109.1	85.4	128.2
160	49.5	39.5	59.3

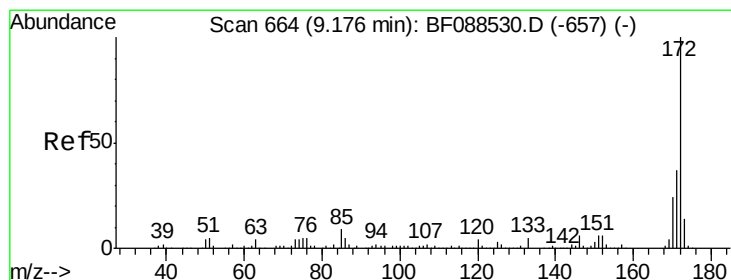
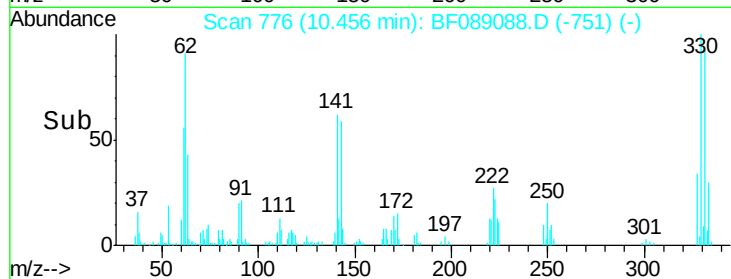
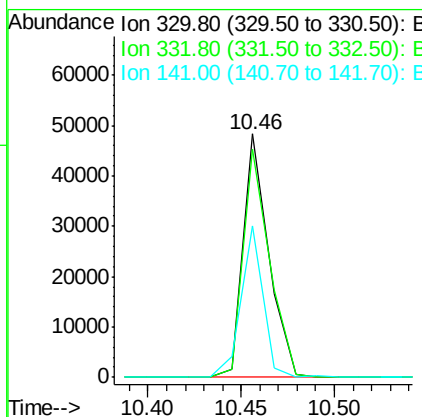
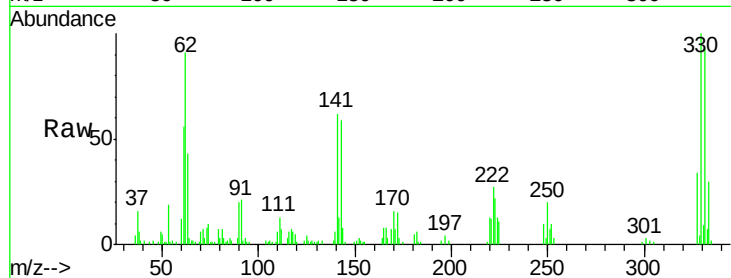




#41
 2,4,6-Tribromophenol
 Concen: 55.56 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: BF089088.D
 Acq: 18 Jul 2016 18:10

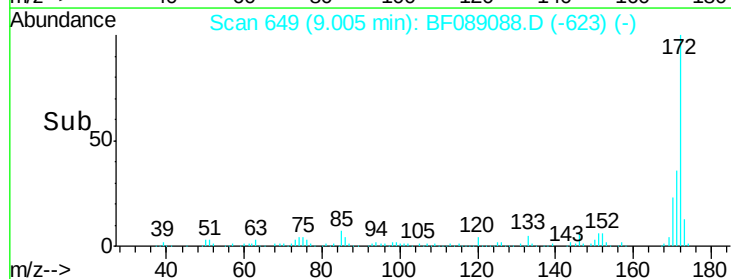
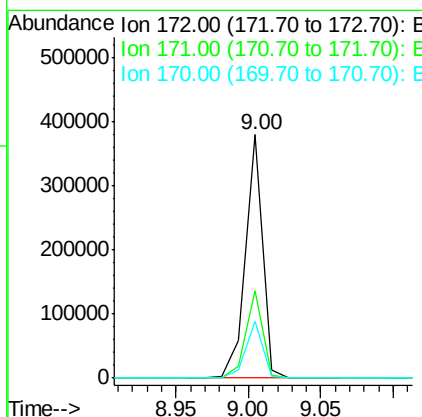
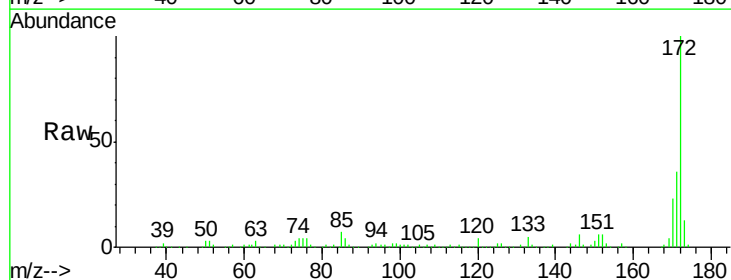
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB02(0-2ft)

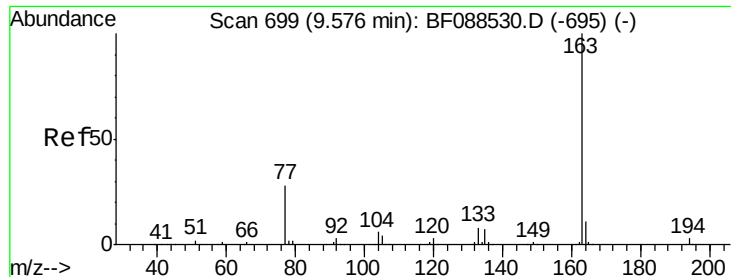
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	0.0	0.0#
141	54.6	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 55.14 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: BF089088.D
 Acq: 18 Jul 2016 18:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	23.3	19.2	28.8





#49

Dimethylphthalate

Concen: 18.50 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF089088.D

Acq: 18 Jul 2016 18:10

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB02(0-2ft)

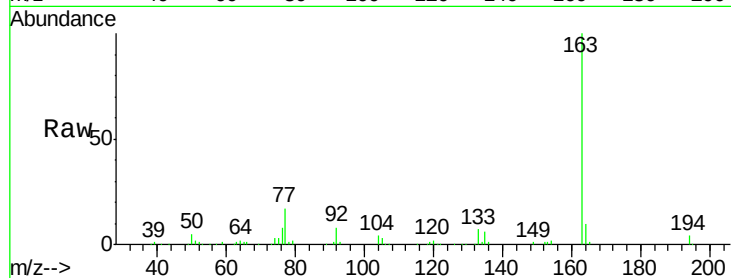
Tot Ion:163 Resp: 117269

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

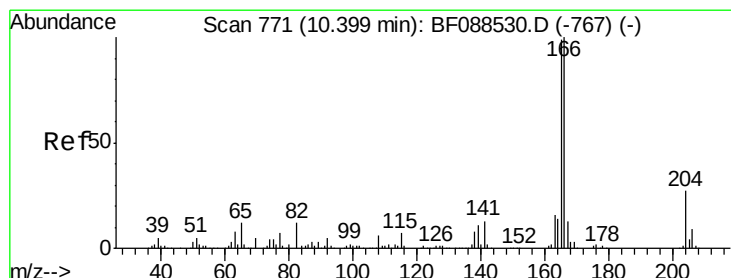
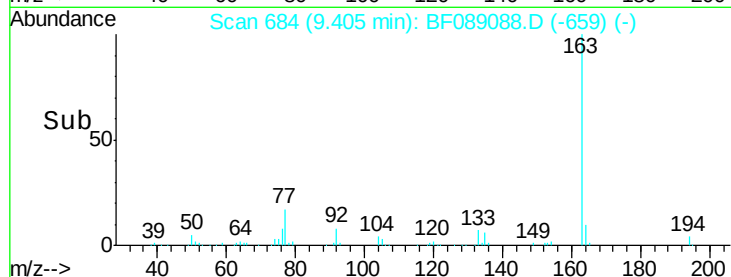
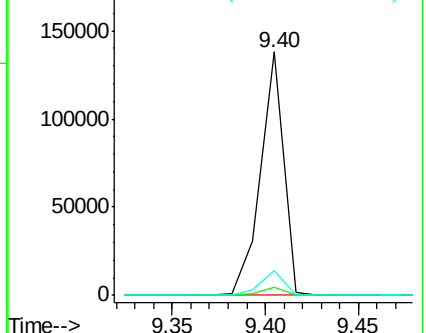
164 10.0 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

Fluorene

Concen: 2.22 ng

RT: 10.22 min Scan# 755

Delta R.T. -0.00 min

Lab File: BF089088.D

Acq: 18 Jul 2016 18:10

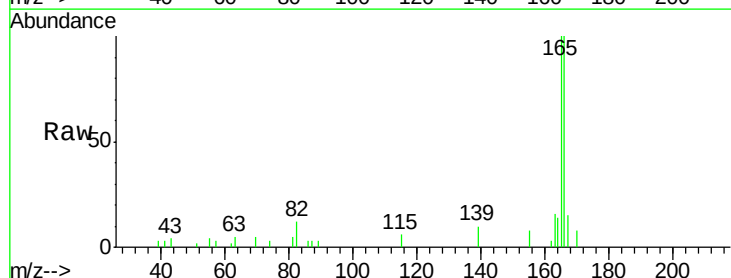
Tgt Ion:166 Resp: 12637

Ion Ratio Lower Upper

166 100

165 99.9 77.8 116.8

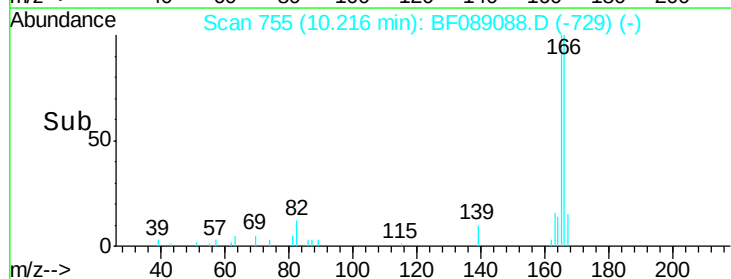
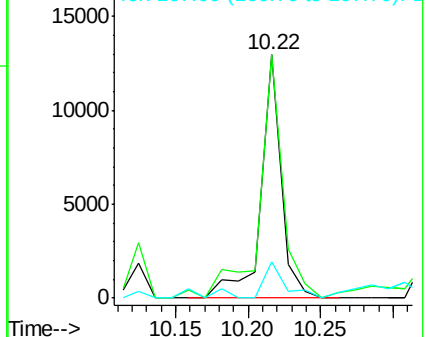
167 14.9 11.2 16.8

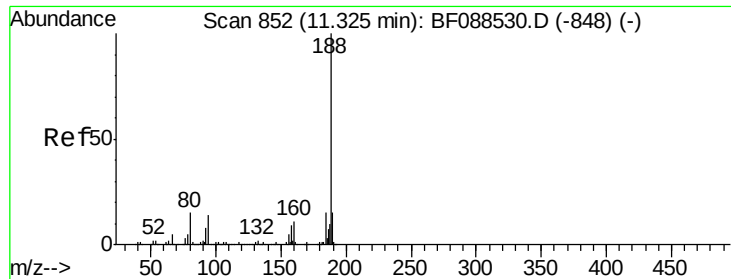


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.15 min Scan# 837

Delta R.T. -0.00 min

Lab File: BF089088.D

Acq: 18 Jul 2016 18:10

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB02(0-2ft)

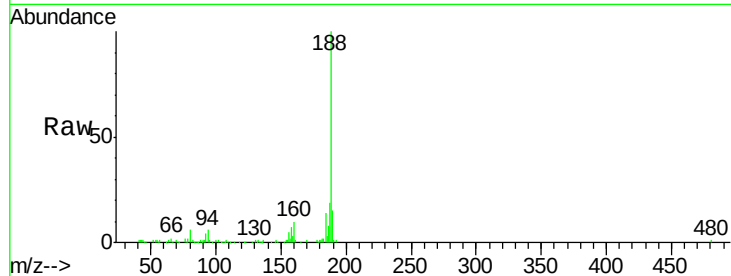
Tot Ion:188 Resp: 140060

Ion Ratio Lower Upper

188 100

94 5.9 9.0 13.6#

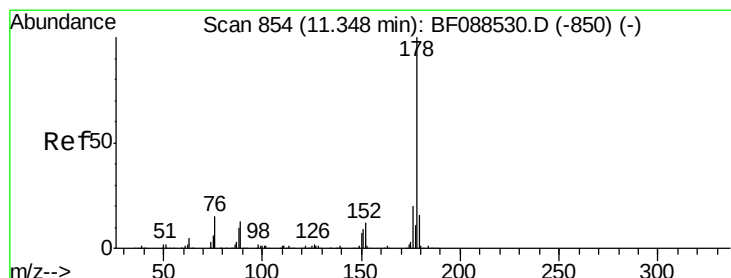
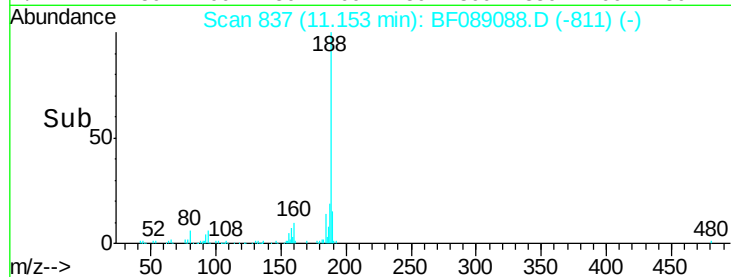
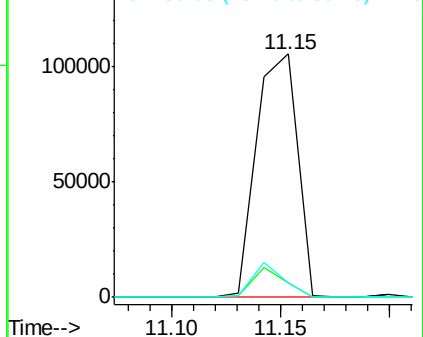
80 6.1 10.0 15.0#



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: 15.04 ng

RT: 11.18 min Scan# 839

Delta R.T. -0.00 min

Lab File: BF089088.D

Acq: 18 Jul 2016 18:10

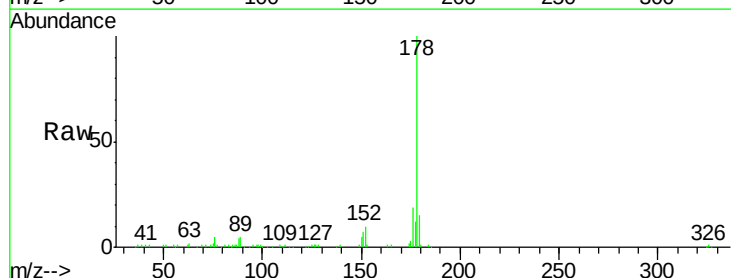
Tgt Ion:178 Resp: 115129

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.6

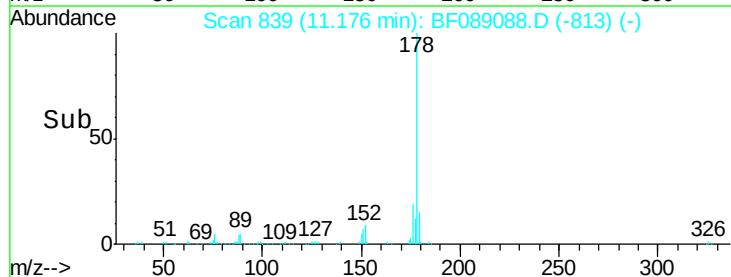
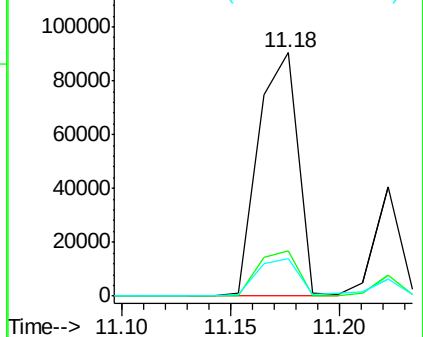
179 15.2 13.0 19.4

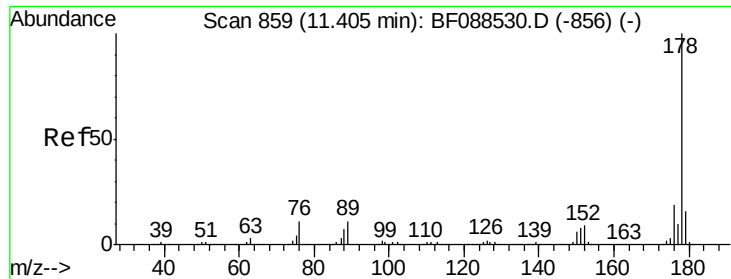


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

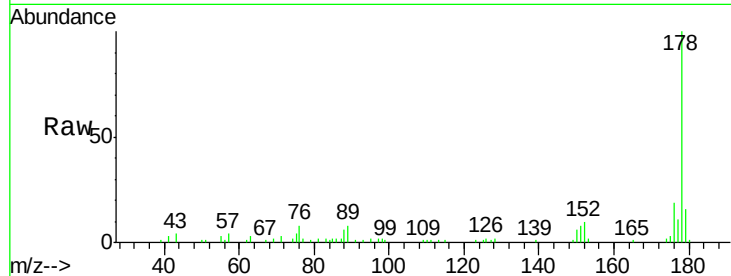




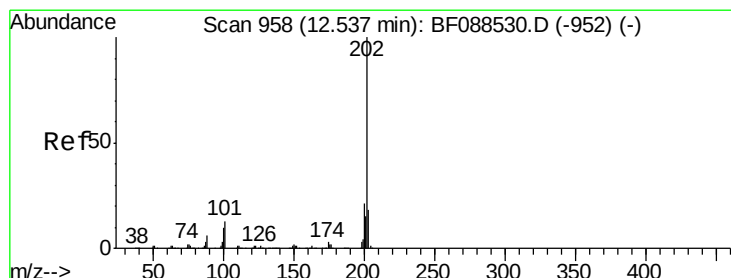
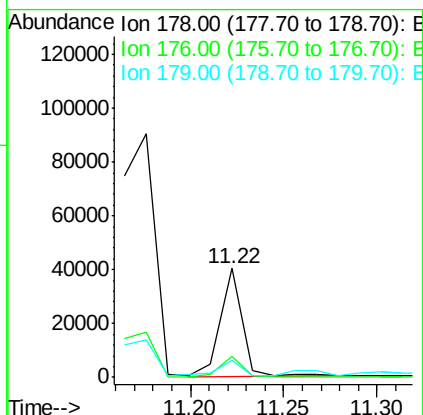
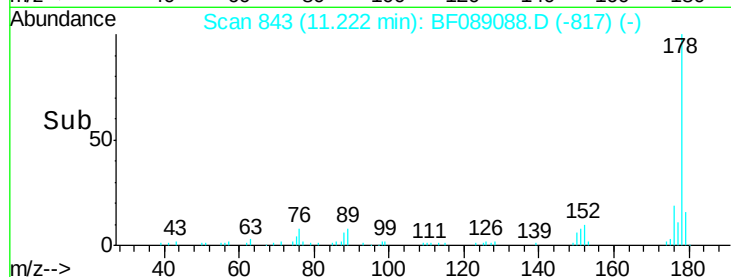
#71
 Anthracene
 Concen: 4.42 ng
 RT: 11.22 min Scan# 843
 Delta R.T. -0.00 min
 Lab File: BF089088.D
 Acq: 18 Jul 2016 18:10

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB02(0-2ft)

Tot Ion:178 Resp: 33629
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.6 23.4
 179 16.0 12.8 19.2

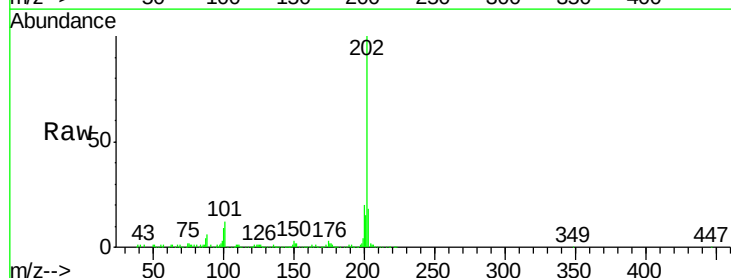


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

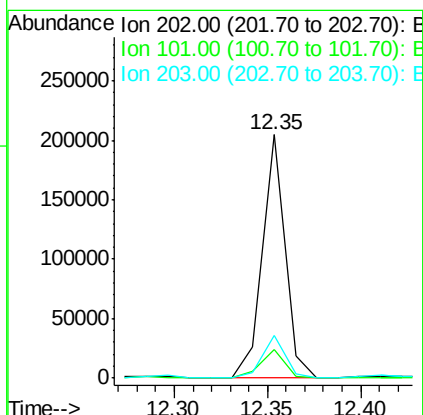
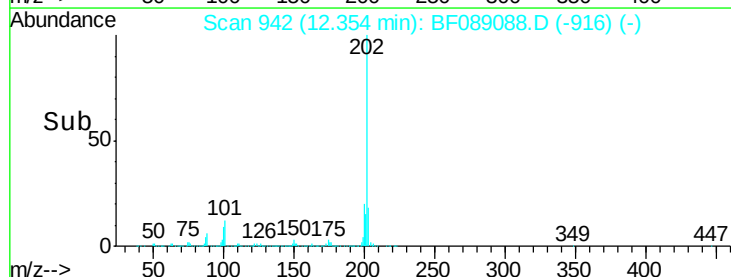


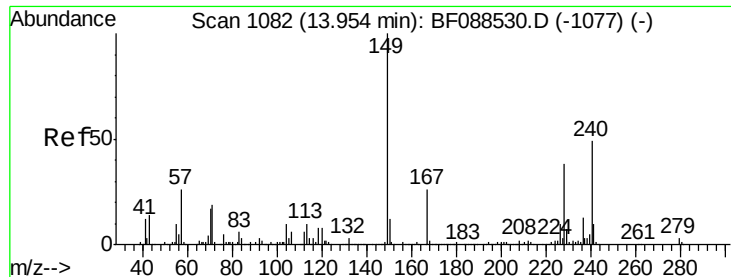
#74
 Fluoranthene
 Concen: 21.90 ng
 RT: 12.35 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: BF089088.D
 Acq: 18 Jul 2016 18:10

Tgt Ion:202 Resp: 170015
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 33.1
 203 17.7 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

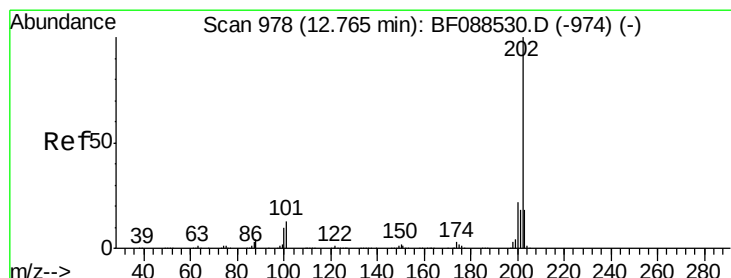
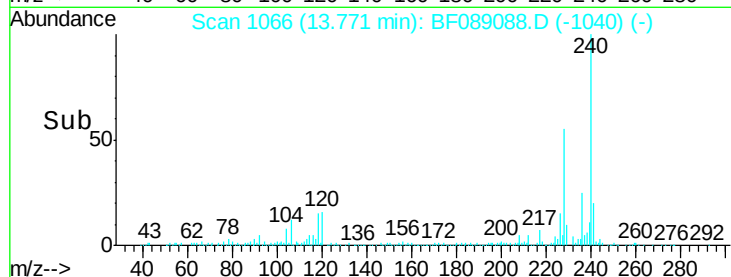
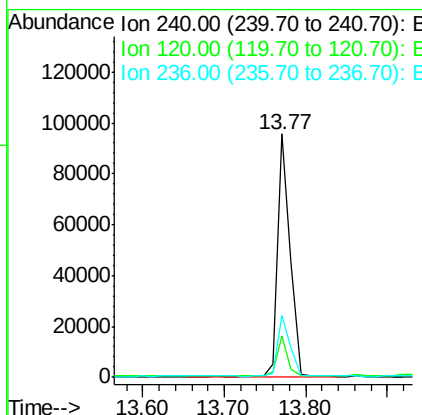
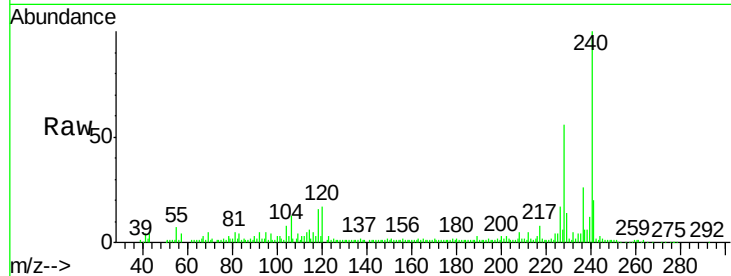




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.77 min Scan# 1066
Delta R.T. -0.00 min
Lab File: BF089088.D
Acq: 18 Jul 2016 18:10

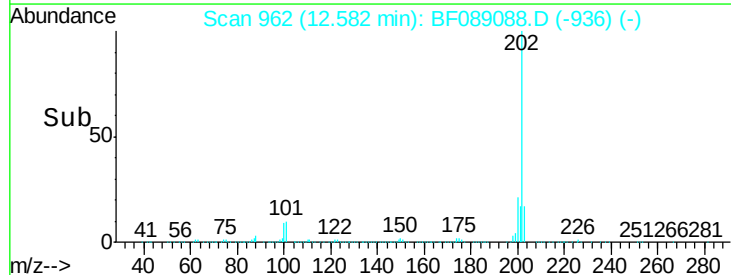
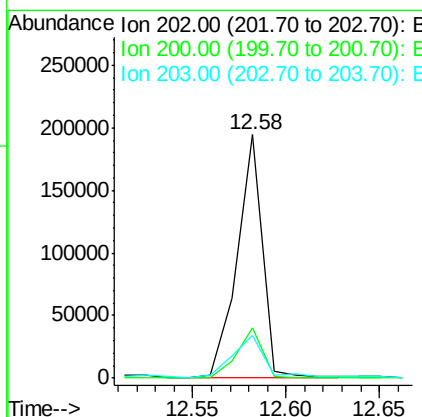
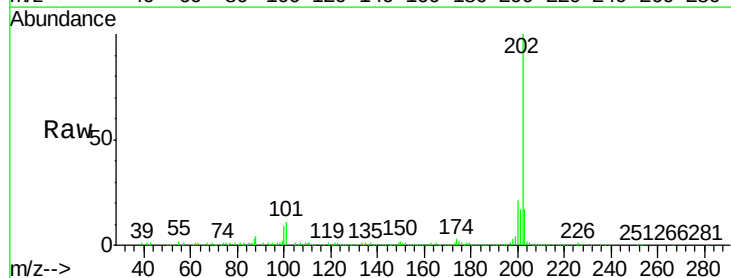
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB02(0-2ft)

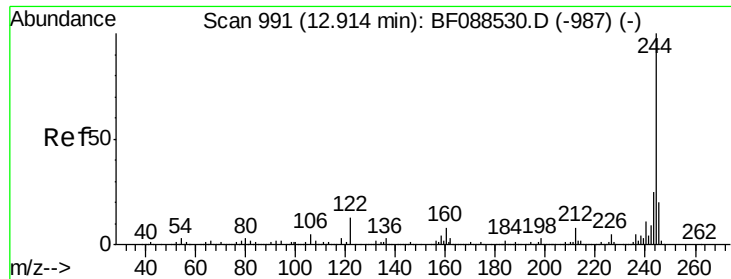
Tot Ion:240 Resp: 104720
Ion Ratio Lower Upper
240 100
120 17.0 6.8 10.2#
236 25.6 20.2 30.2



#77
Pyrene
Concen: 20.57 ng
RT: 12.58 min Scan# 962
Delta R.T. -0.00 min
Lab File: BF089088.D
Acq: 18 Jul 2016 18:10

Tgt Ion:202 Resp: 182656
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.2
203 17.3 14.5 21.7





#78

Terphenyl-d14

Concen: 32.89 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.00 min

Lab File: BF089088.D

Acq: 18 Jul 2016 18:10

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB02(0-2ft)

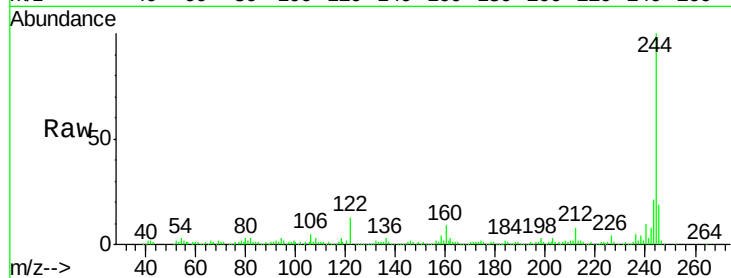
Tot Ion:244 Resp: 154641

Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

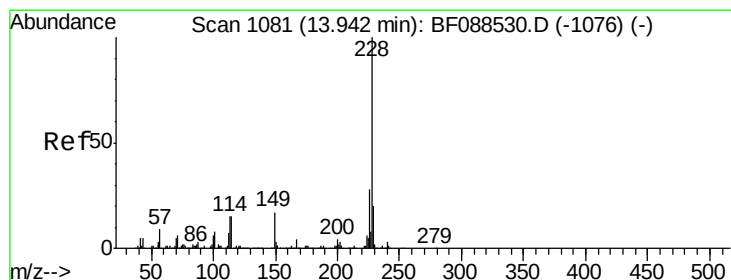
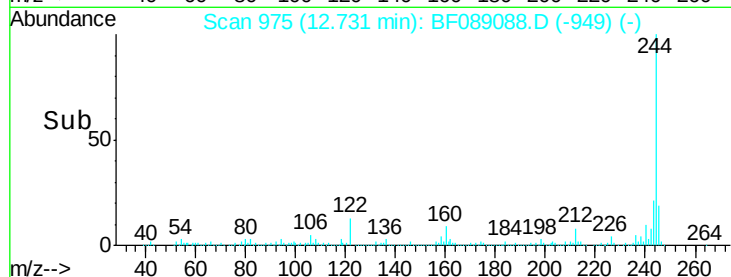
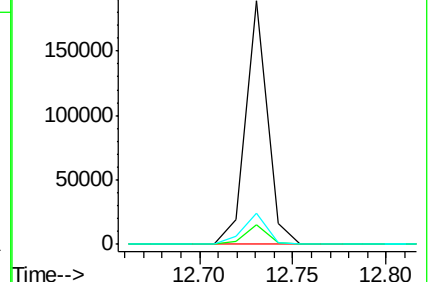
122 12.8 11.2 16.8



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: 14.60 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BF089088.D

Acq: 18 Jul 2016 18:10

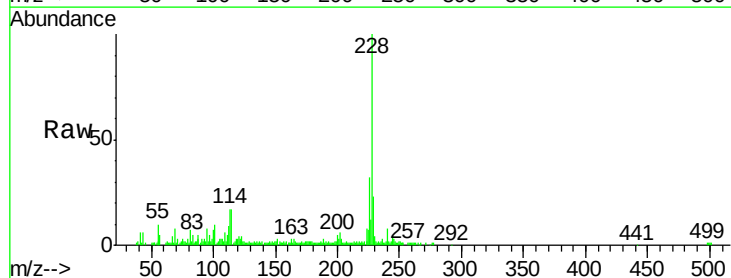
Tgt Ion:228 Resp: 98480

Ion Ratio Lower Upper

228 100

226 32.4 22.3 33.5

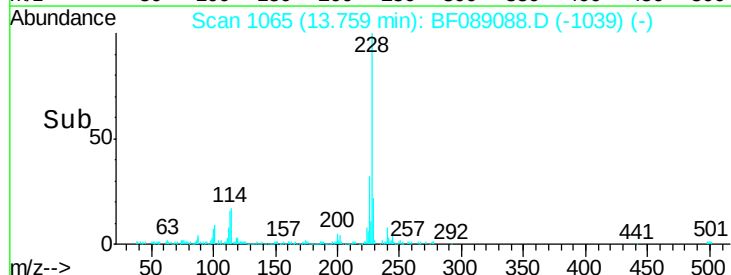
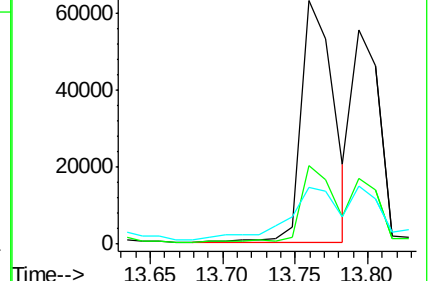
229 23.4 16.0 24.0

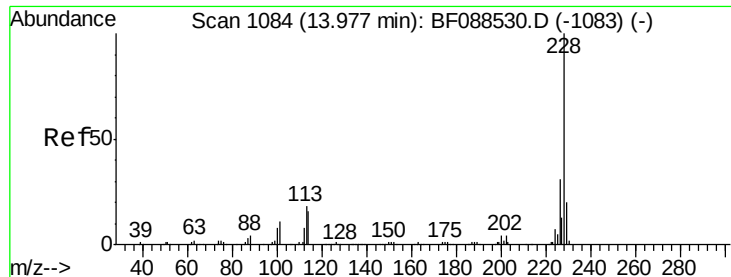


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.97 ng/mL

RT: 13.79 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BF089088.D

Acq: 18 Jul 2016 18:10

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB02(0-2ft)

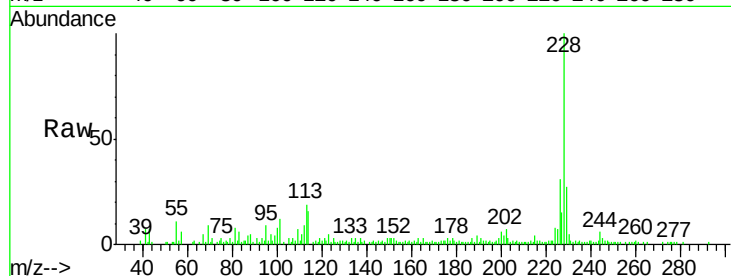
Tot Ion:228 Resp: 73170

Ion Ratio Lower Upper

228 100

226 30.9 25.4 38.2

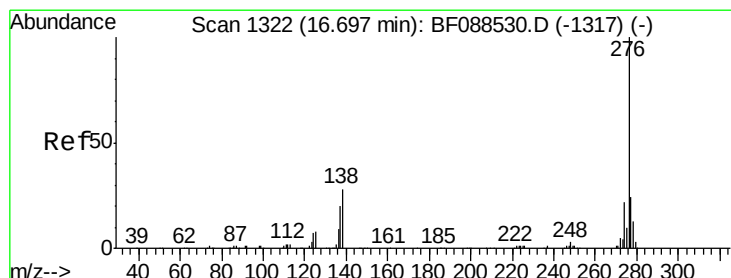
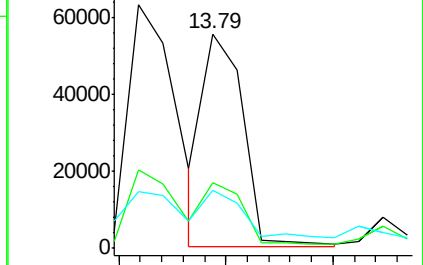
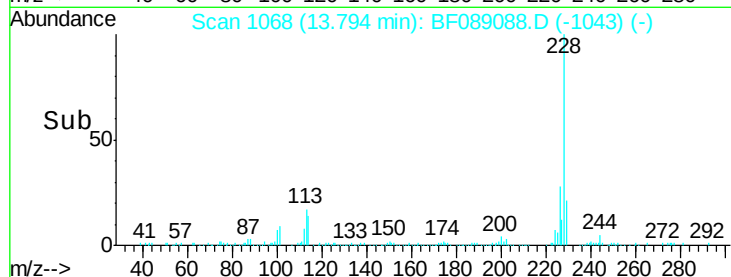
229 26.9 16.3 24.5#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.02 ng/mL

RT: 16.39 min Scan# 1295

Delta R.T. 0.01 min

Lab File: BF089088.D

Acq: 18 Jul 2016 18:10

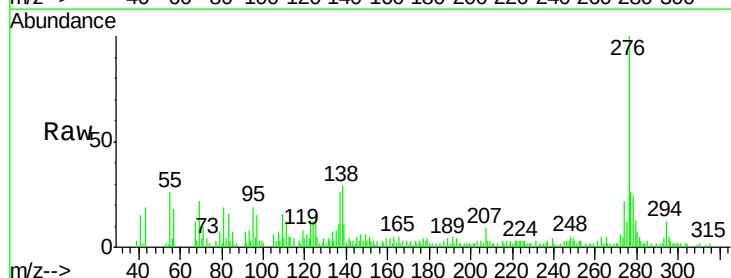
Tgt Ion:276 Resp: 36047

Ion Ratio Lower Upper

276 100

138 30.6 0.0 0.0#

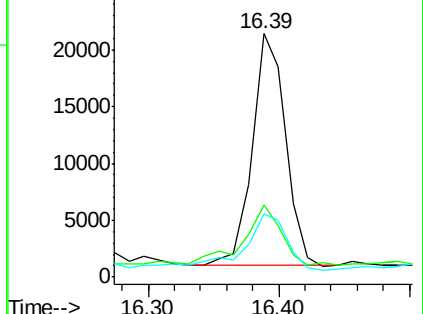
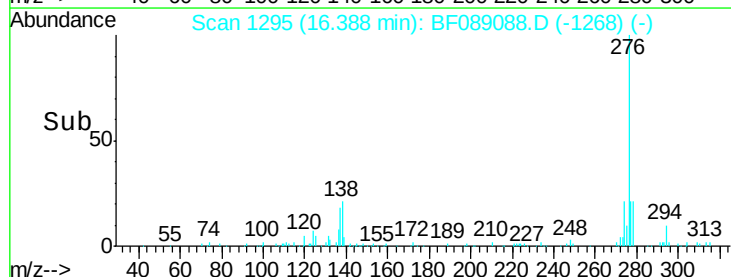
277 34.2 0.0 0.0#

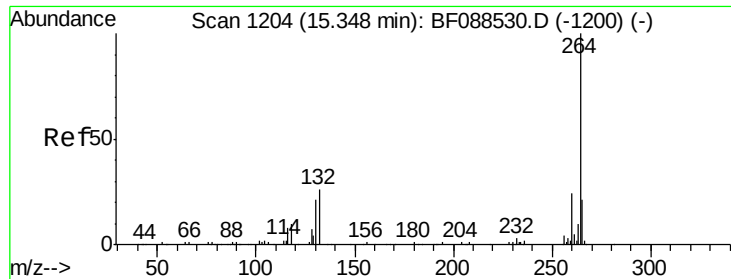


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

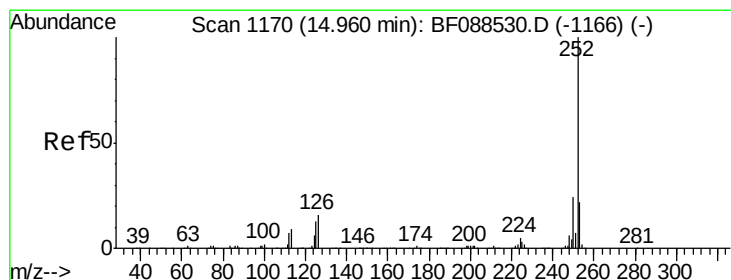
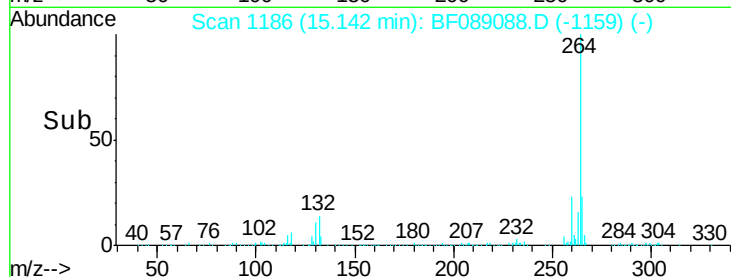
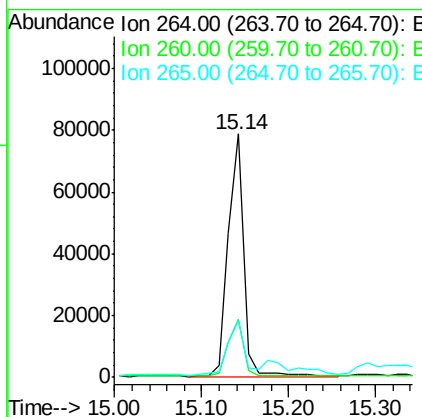
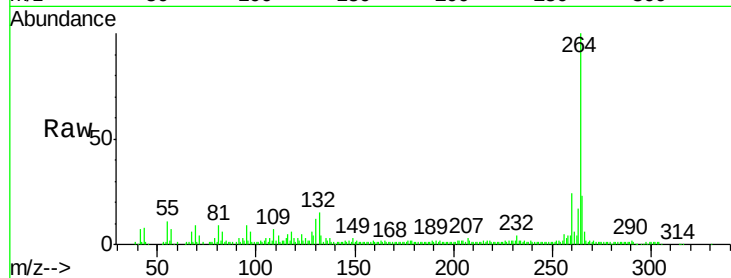




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 1186
Delta R.T. 0.01 min
Lab File: BF089088.D
Acq: 18 Jul 2016 18:10

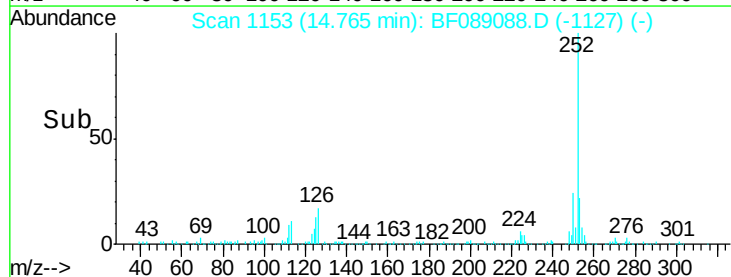
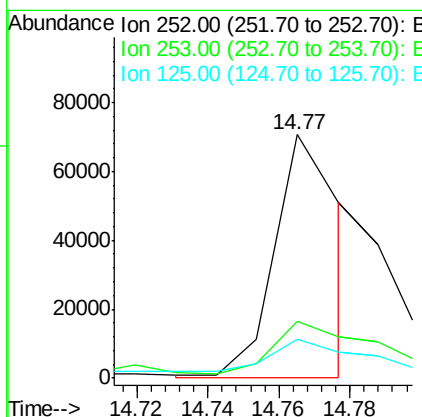
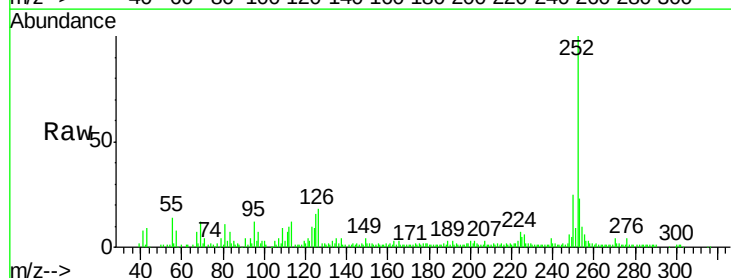
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB02(0-2ft)

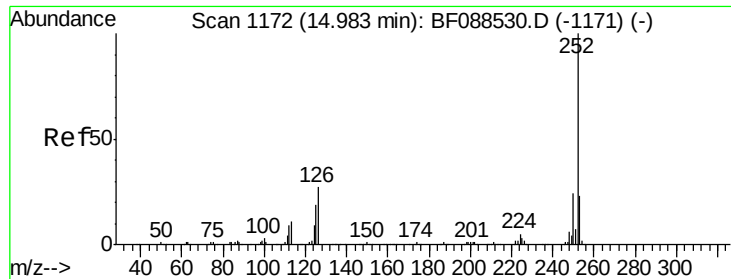
Tot Ion:264 Resp: 96720
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 23.3 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 15.09 ng m
RT: 14.77 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF089088.D
Acq: 18 Jul 2016 18:10

Tgt Ion:252 Resp: 91565
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 16.0 7.1 10.7#

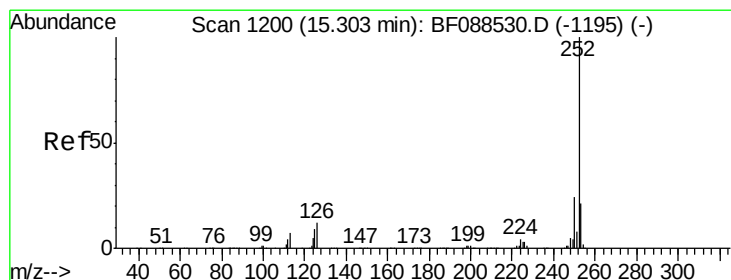
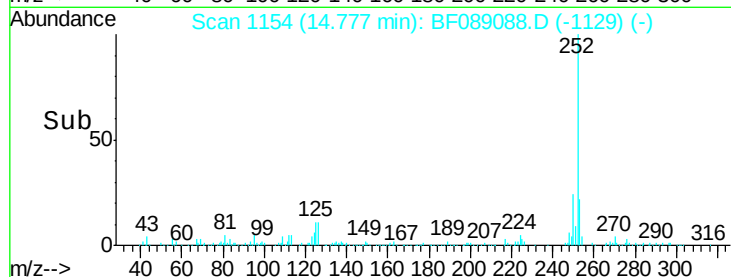
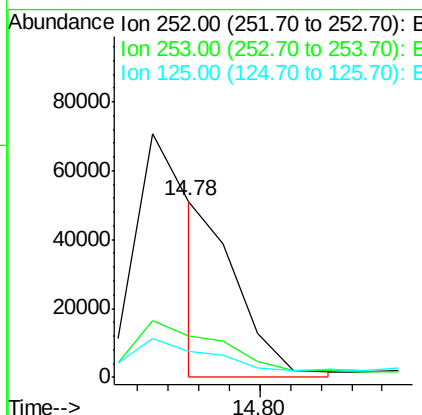
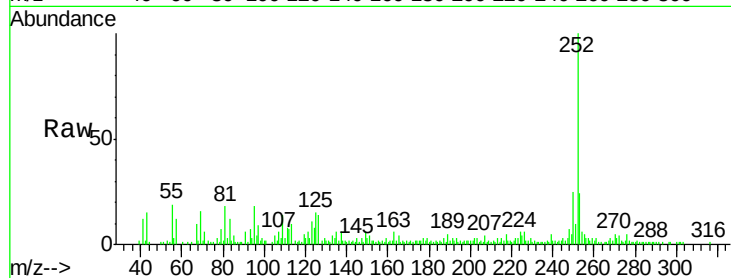




#88
Benzo(k)fluoranthene
Concen: 7.21 ng m
RT: 14.78 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF089088.D
Acq: 18 Jul 2016 18:10

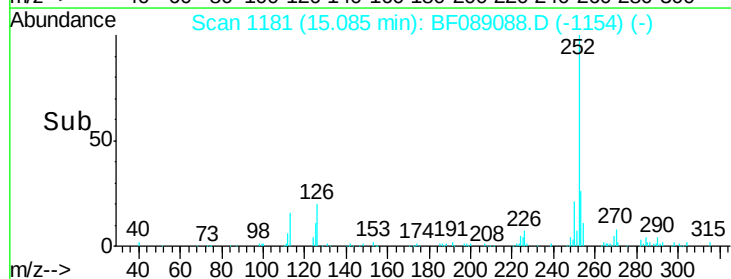
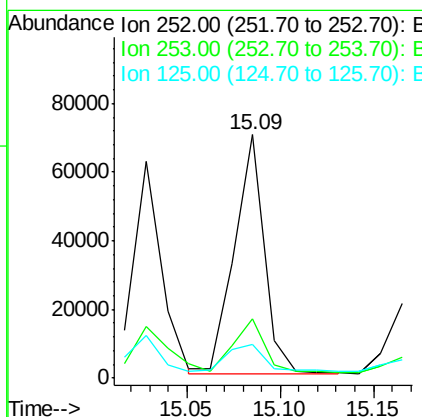
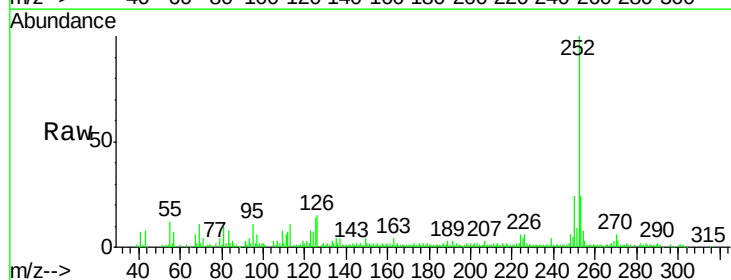
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB02(0-2ft)

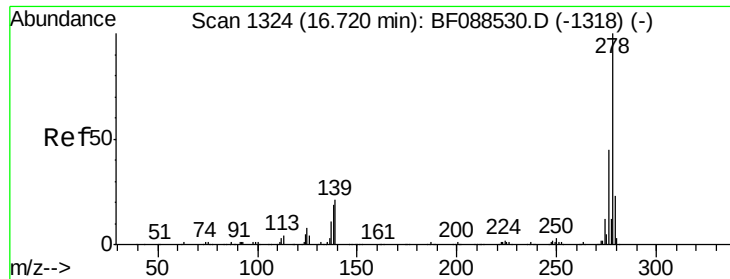
Tot Ion:252 Resp: 38080
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 15.0 11.2 16.8



#89
Benzo(a)pyrene
Concen: 15.39 ng
RT: 15.09 min Scan# 1181
Delta R.T. 0.01 min
Lab File: BF089088.D
Acq: 18 Jul 2016 18:10

Tgt Ion:252 Resp: 79048
Ion Ratio Lower Upper
252 100
253 24.3 17.9 26.9
125 13.9 12.5 18.7

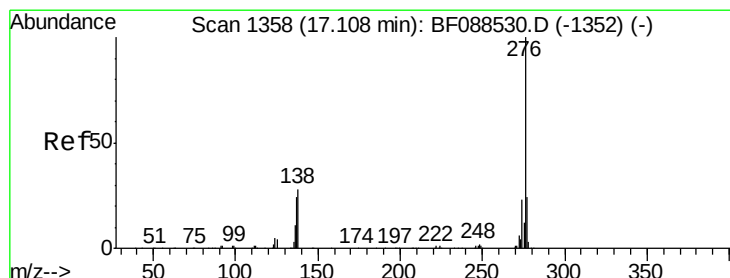
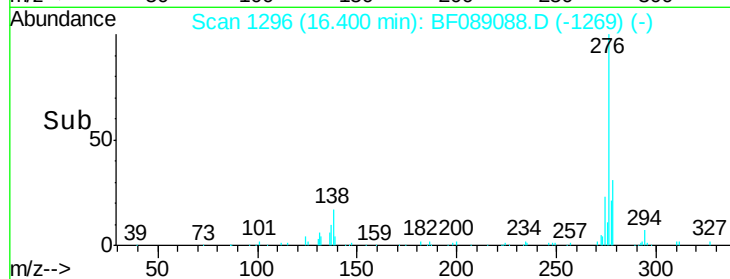
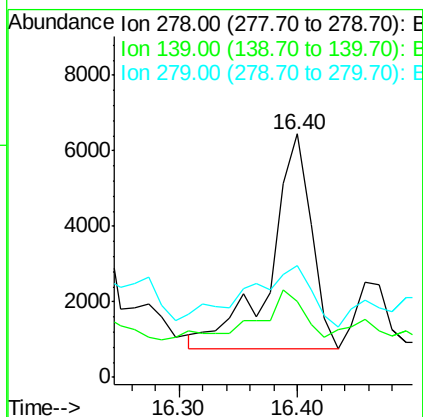
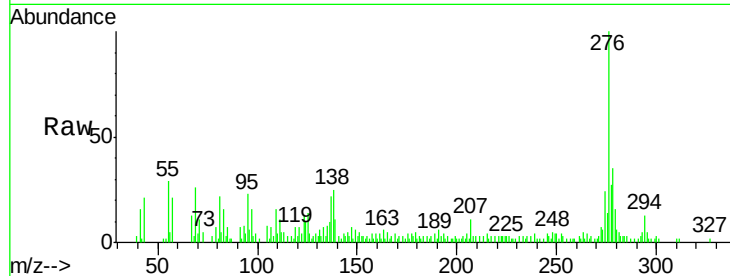




#90
Dibenzo(a,h)anthracene
Concen: 3.13 ng
RT: 16.40 min Scan# 1296
Delta R.T. 0.01 min
Lab File: BF089088.D
Acq: 18 Jul 2016 18:10

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB02(0-2ft)

Tot Ion:278 Resp: 13421
Ion Ratio Lower Upper
278 100
139 31.3 15.7 23.5#
279 45.9 19.4 29.2#



#91
Benzo(g,h,i)perylene
Concen: 11.03 ng
RT: 16.77 min Scan# 1328
Delta R.T. 0.01 min
Lab File: BF089088.D
Acq: 18 Jul 2016 18:10

Tgt Ion:276 Resp: 48978
Ion Ratio Lower Upper
276 100
277 26.5 18.9 28.3
138 30.7 21.4 32.2

