

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
 Data File : BF089017.D
 Acq On : 15 Jul 2016 15:25
 Operator : UM/SJ
 Sample : H3972-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB10(0-2ft)

Quant Time: Jul 15 23:23:27 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

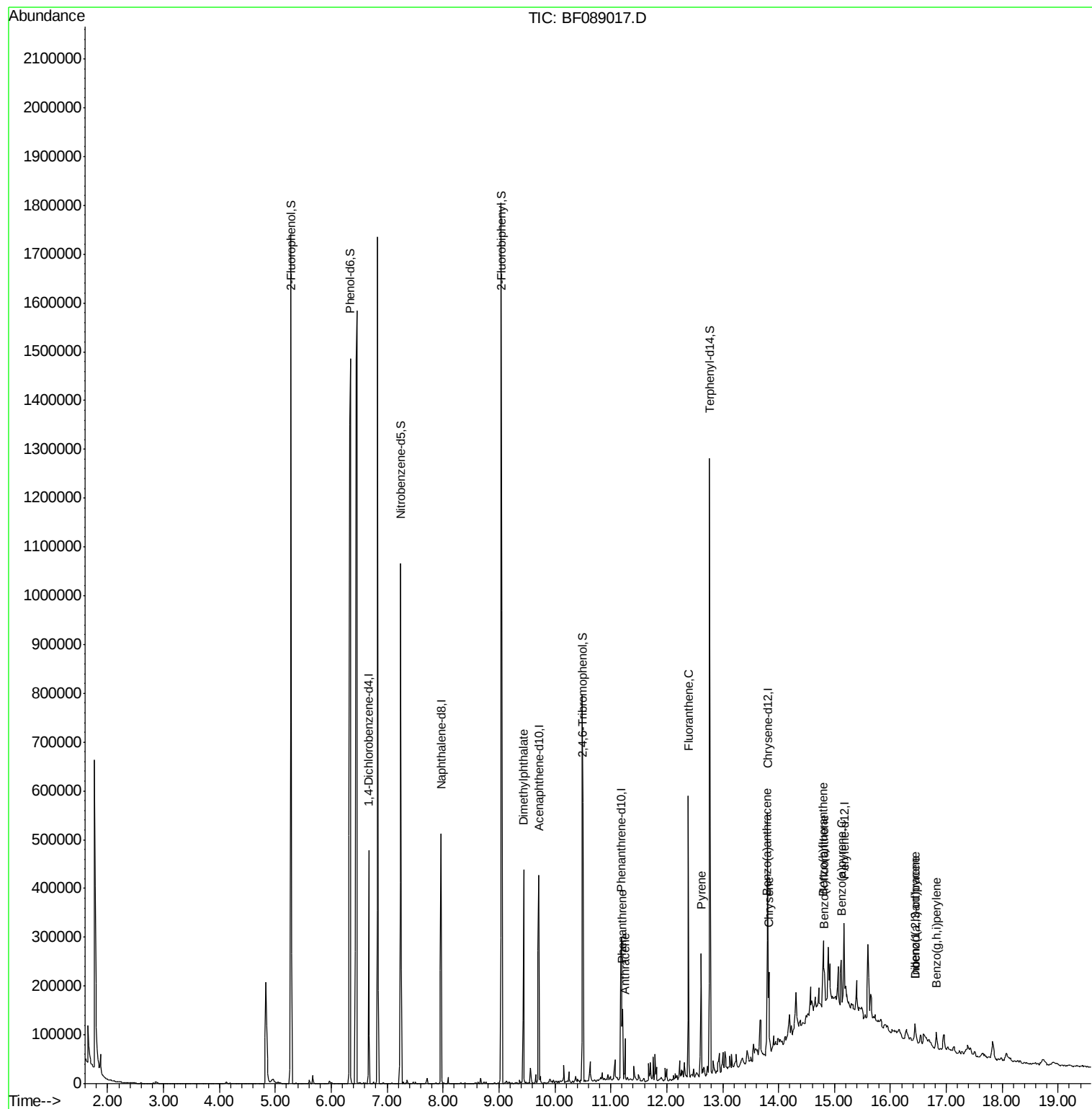
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	65762	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	257629	20.00	ng	0.00
38) Acenaphthene-d10	9.71	164	99814	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	150738	20.00	ng	0.00
75) Chrysene-d12	13.81	240	114303	20.00	ng	-0.01
86) Perylene-d12	15.18	264	82470	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	538258	122.67	ng	0.01
7) Phenol-d6	6.34	99	839871	148.13	ng	0.01
23) Nitrobenzene-d5	7.24	82	420094	85.45	ng	0.00
41) 2,4,6-Tribromophenol	10.50	330	116436	125.62	ng	0.00
44) 2-Fluorobiphenyl	9.04	172	723616	114.51	ng	0.00
78) Terphenyl-d14	12.77	244	412056	80.29	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.44	163	177265	24.93	ng	99
70) Phenanthrene	11.21	178	72628	8.81	ng	97
71) Anthracene	11.26	178	25812	3.15	ng	99
74) Fluoranthene	12.39	202	130804	15.66	ng	97
77) Pyrene	12.62	202	126827	13.09	ng	97
80) Benzo(a)anthracene	13.79	228	69708	9.47	ng	92
82) Chrysene	13.83	228	49141m	6.75	ng	
85) Indeno(1,2,3-cd)pyrene	16.45	276	22219	3.97	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	61371m	11.86	ng	
88) Benzo(k)fluoranthene	14.82	252	20084m	4.46	ng	
89) Benzo(a)pyrene	15.12	252	42483	9.70	ng	98
90) Dibenzo(a,h)anthracene	16.45	278	9652	2.64	ng	# 82
91) Benzo(a,h,i)perylene	16.82	276	23209	6.13	ng	98

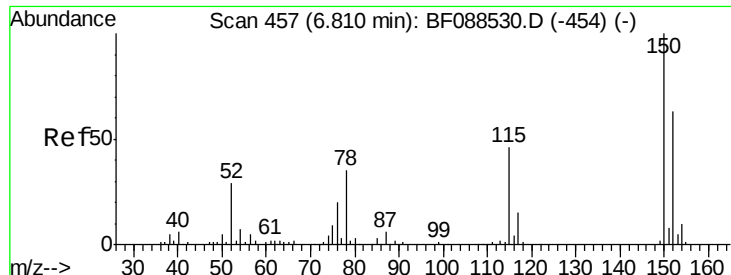
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
Data File : BF089017.D
Acq On : 15 Jul 2016 15:25
Operator : UM/SJ
Sample : H3972-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB10(0-2ft)

Quant Time: Jul 15 23:23:27 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



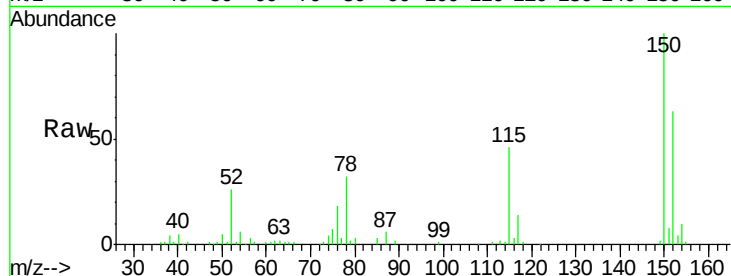


#1

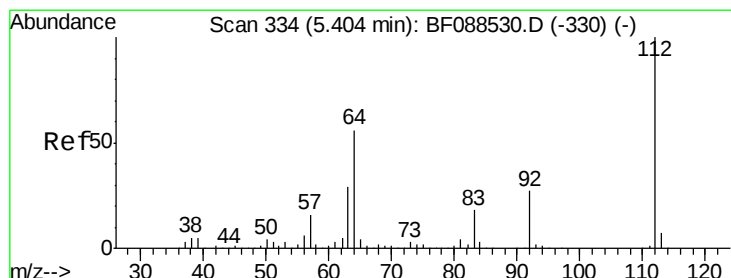
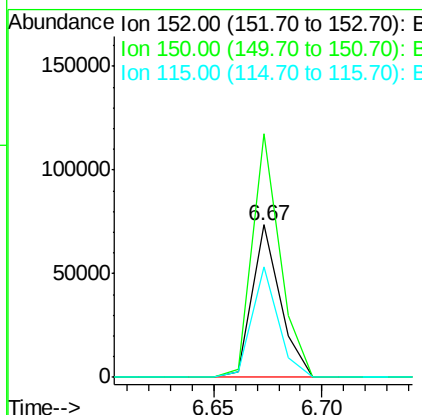
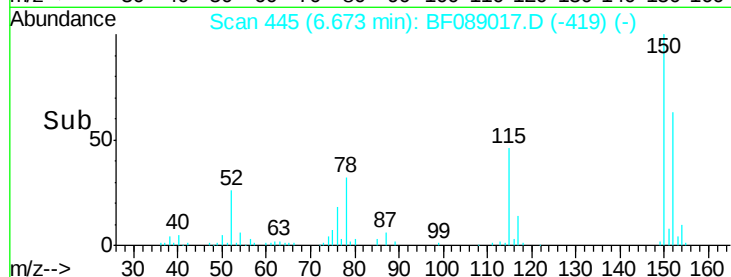
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 445
 Delta R.T. 0.00 min
 Lab File: BF089017.D
 Acq: 15 Jul 2016 15:25

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB10(0-2ft)

Tot Ion:152 Resp: 65762
 Ion Ratio Lower Upper
 152 100
 150 159.7 123.8 185.6
 115 72.9 39.6 59.4#



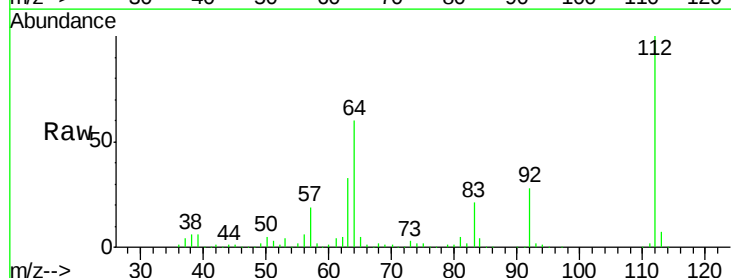
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



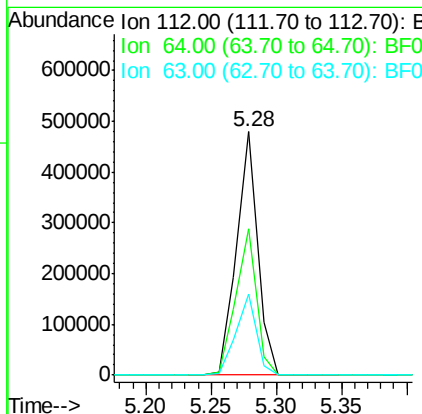
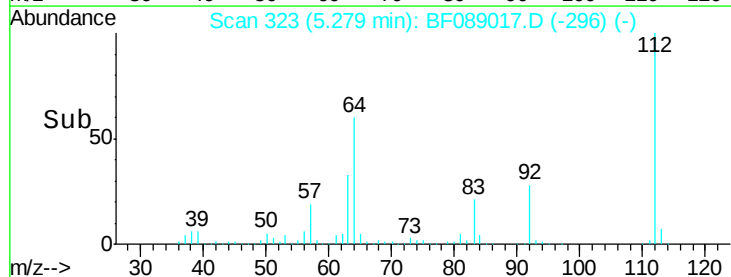
#5

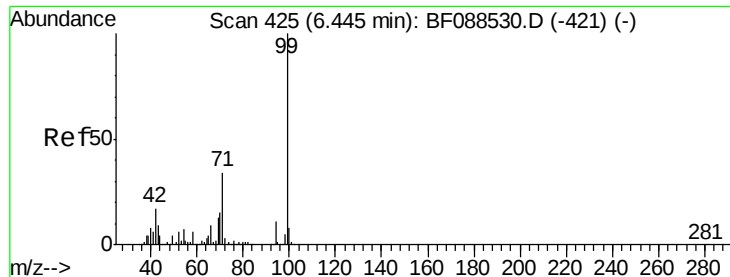
2-Fluorophenol
 Concen: 122.67 ng
 RT: 5.28 min Scan# 323
 Delta R.T. 0.01 min
 Lab File: BF089017.D
 Acq: 15 Jul 2016 15:25

Tgt Ion:112 Resp: 538258
 Ion Ratio Lower Upper
 112 100
 64 60.3 42.2 63.2
 63 33.2 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: 148.13 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.01 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2ft)

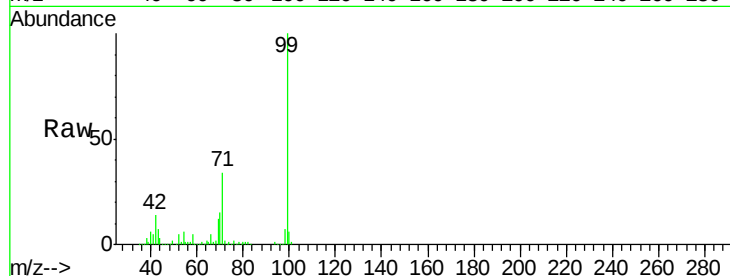
Tot Ion: 99 Resp: 839871

Ion Ratio Lower Upper

99 100

42 14.0 12.2 18.2

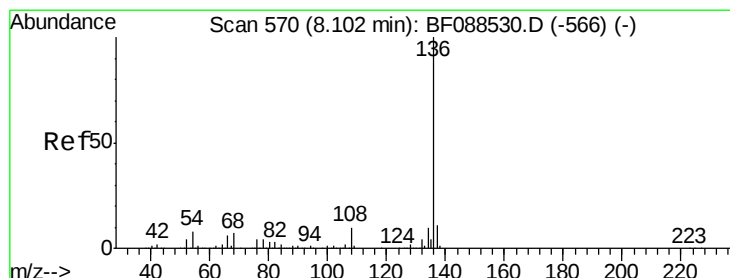
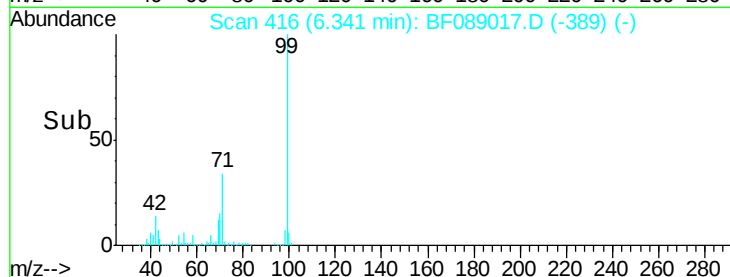
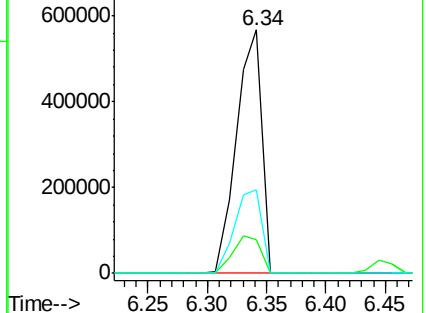
71 34.5 23.4 35.0



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: BF089017.D

Acq: 15 Jul 2016 15:25

Tgt Ion: 136 Resp: 257629

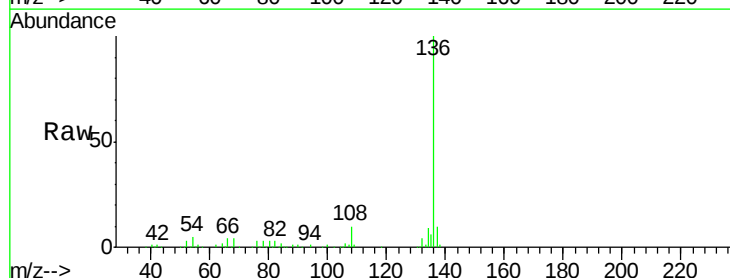
Ion Ratio Lower Upper

136 100

137 10.3 9.1 13.7

54 5.4 6.6 10.0#

68 4.3 5.1 7.7#

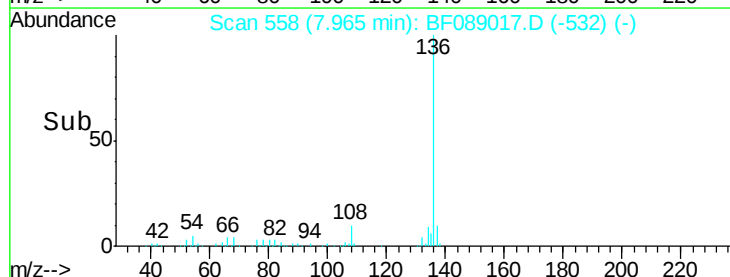
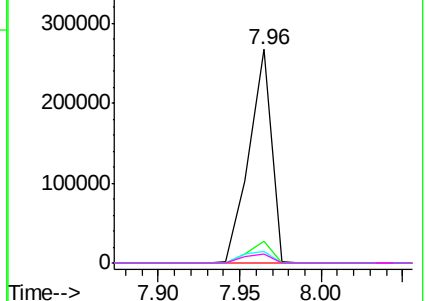


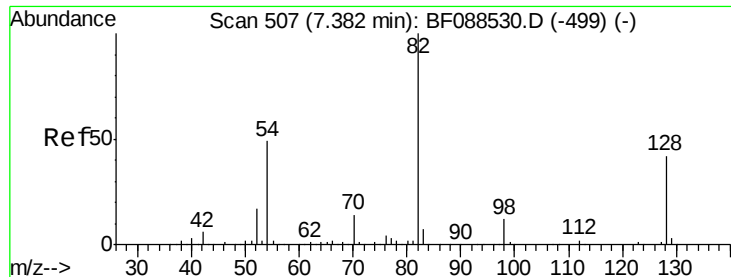
Abundance Ion 136.00 (135.70 to 136.70): E

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

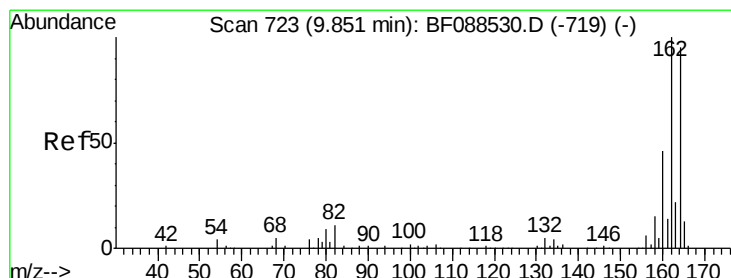
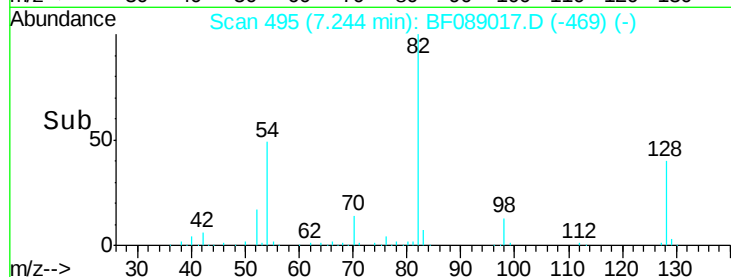
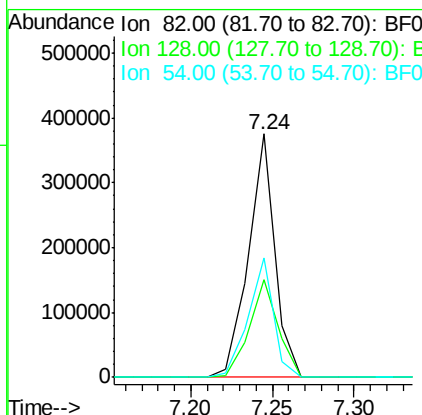
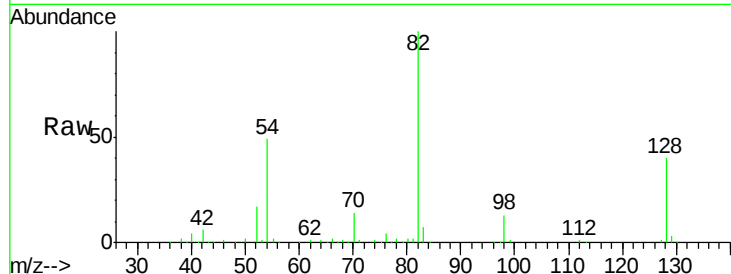




#23
 Nitrobenzene-d5
 Concen: 85.45 ng
 RT: 7.24 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: BF089017.D
 Acq: 15 Jul 2016 15:25

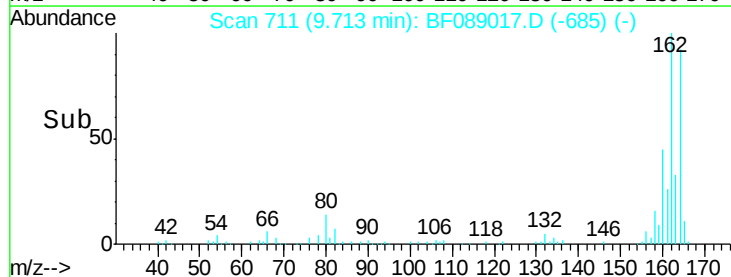
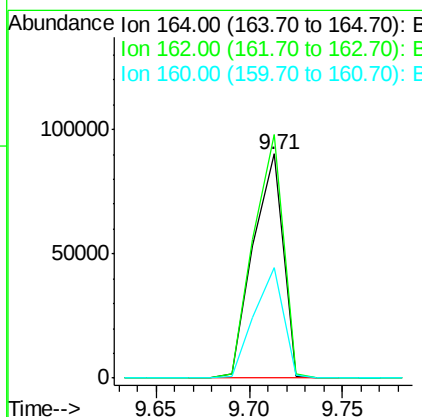
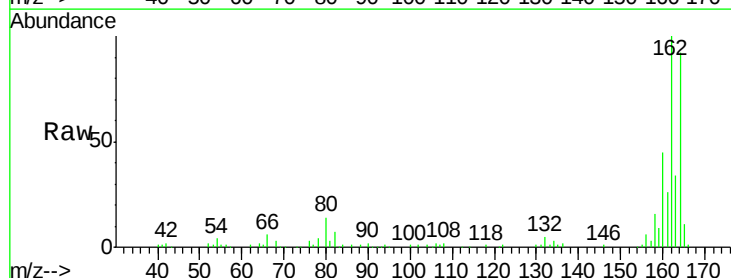
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB10(0-2ft)

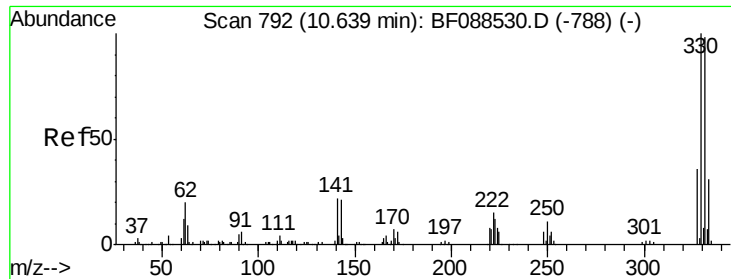
Tot Ion	82	Resp	420094
Ion Ratio	100		
Lower			
Upper			
82	100		
128	40.1	35.9	53.9
54	48.8	40.9	61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BF089017.D
 Acq: 15 Jul 2016 15:25

Tgt Ion	164	Resp	99814
Ion Ratio	100		
Lower			
Upper			
164	100		
162	108.6	85.4	128.2
160	49.3	39.5	59.3

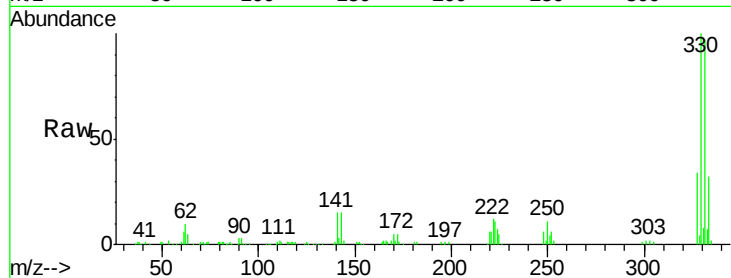




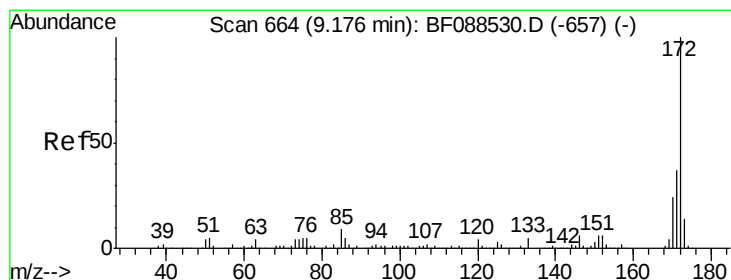
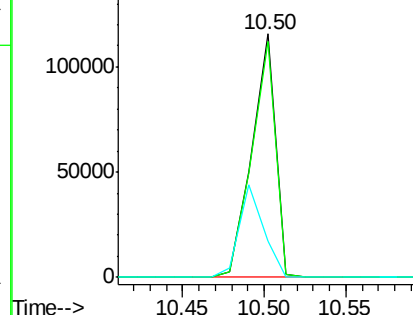
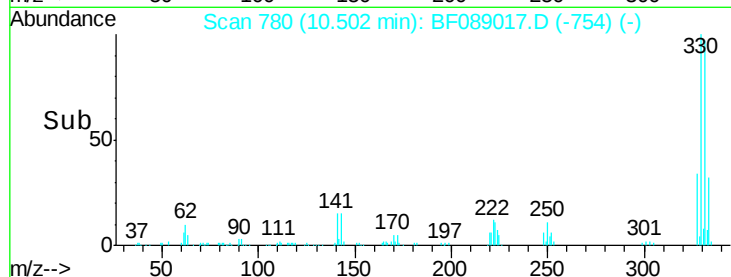
#41
 2,4,6-Tribromophenol
 Concen: 125.62 ng
 RT: 10.50 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: BF089017.D
 Acq: 15 Jul 2016 15:25

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB10(0-2ft)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	0.0	0.0#
141	38.8	0.0	0.0#

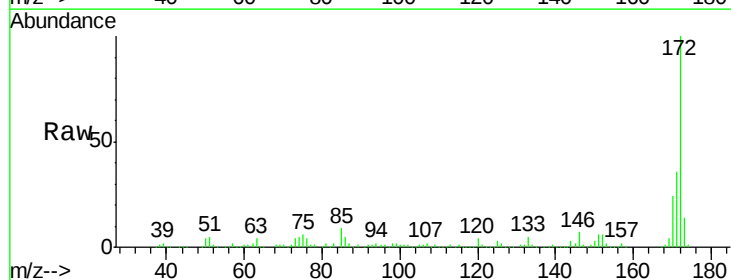


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

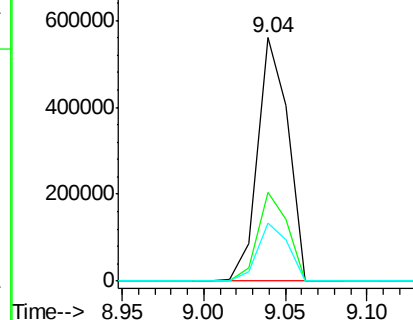
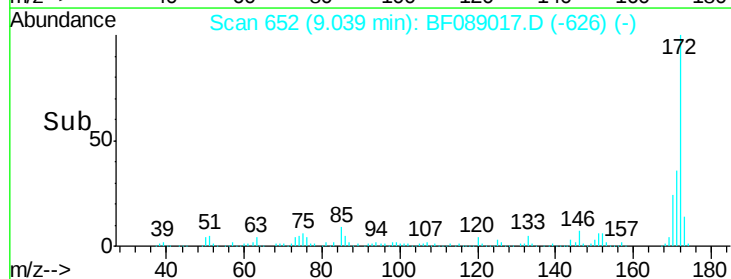


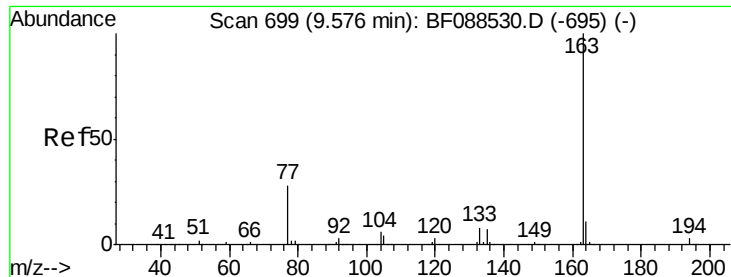
#44
 2-Fluorobiphenyl
 Concen: 114.51 ng
 RT: 9.04 min Scan# 652
 Delta R.T. 0.00 min
 Lab File: BF089017.D
 Acq: 15 Jul 2016 15:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	23.7	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

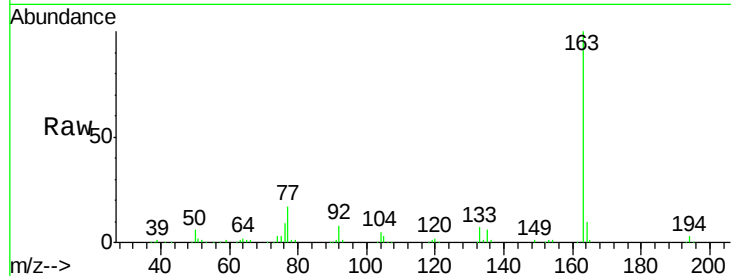




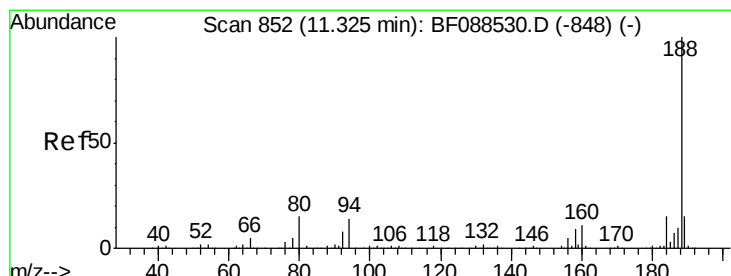
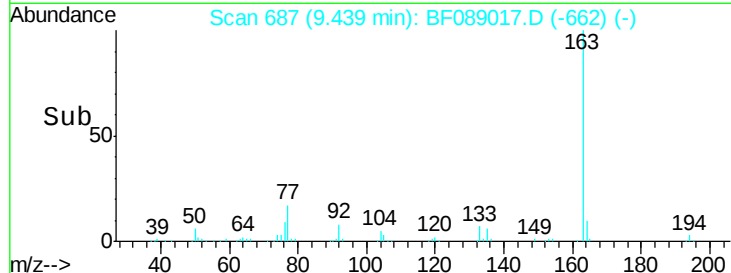
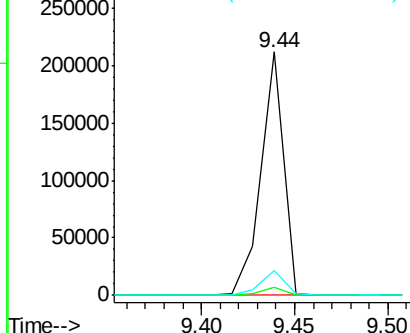
#49
Dimethylphthalate
Concen: 24.93 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF089017.D
Acq: 15 Jul 2016 15:25

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB10(0-2ft)

Tot Ion:163 Resp: 177265
Ion Ratio Lower Upper
163 100
194 3.5 2.8 4.2
164 9.9 8.3 12.5

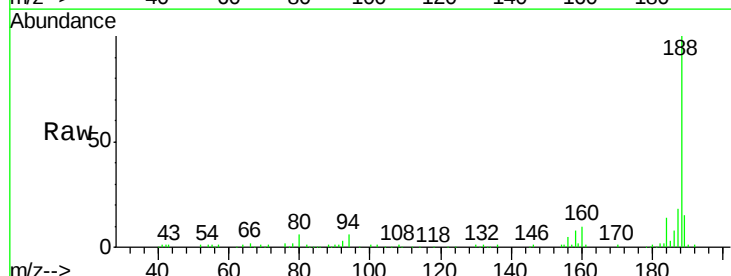


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

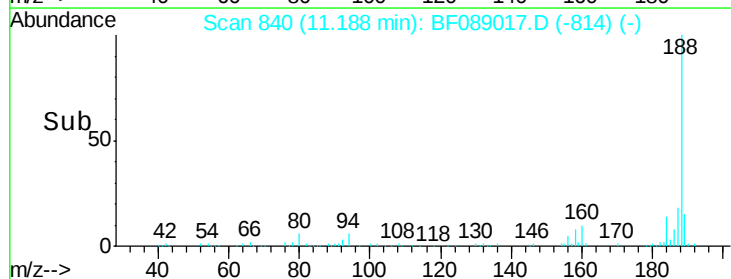
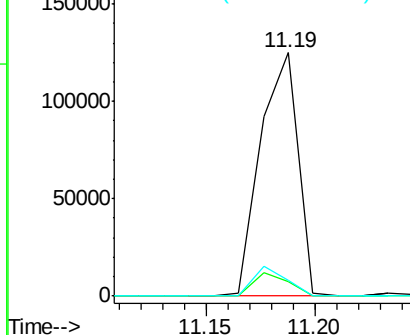


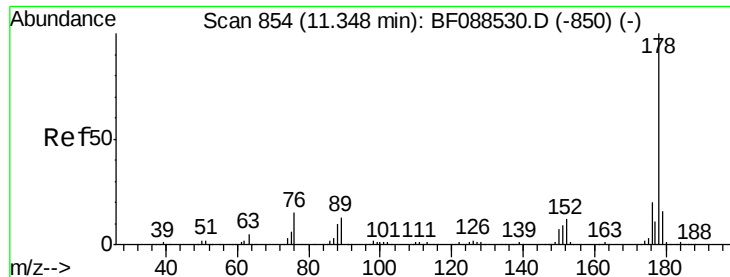
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF089017.D
Acq: 15 Jul 2016 15:25

Tgt Ion:188 Resp: 150738
Ion Ratio Lower Upper
188 100
94 6.0 9.0 13.6#
80 6.3 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

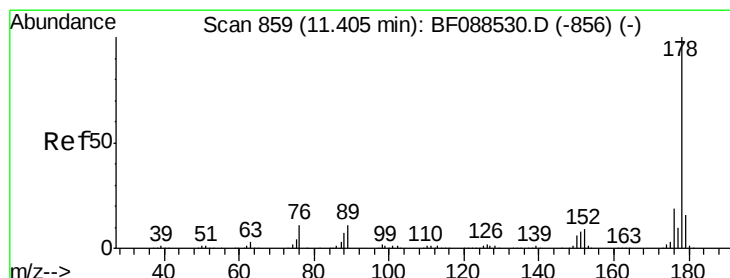
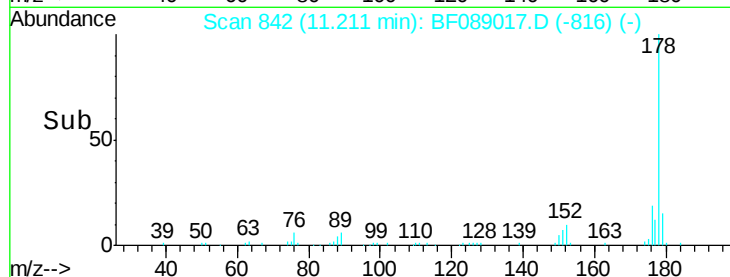
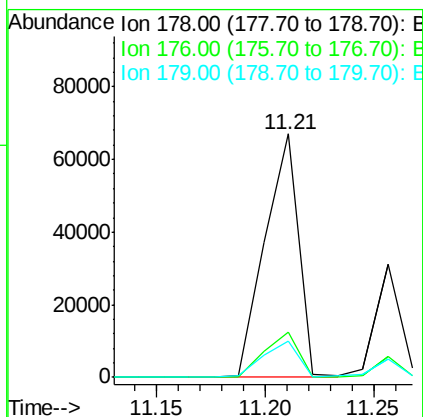
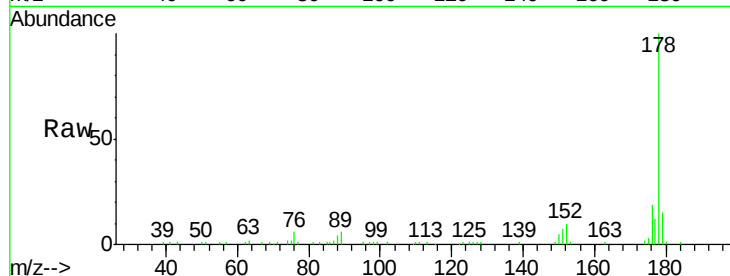




#70
Phenanthrene
Concen: 8.81 ng
RT: 11.21 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF089017.D
Acq: 15 Jul 2016 15:25

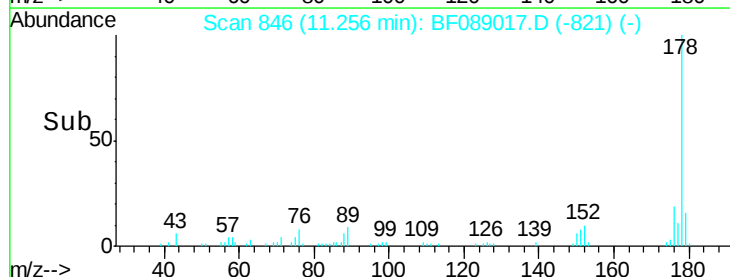
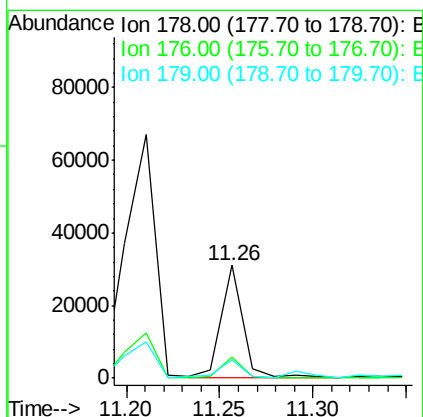
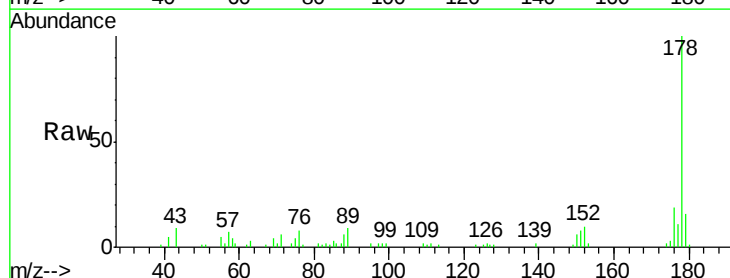
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB10(0-2ft)

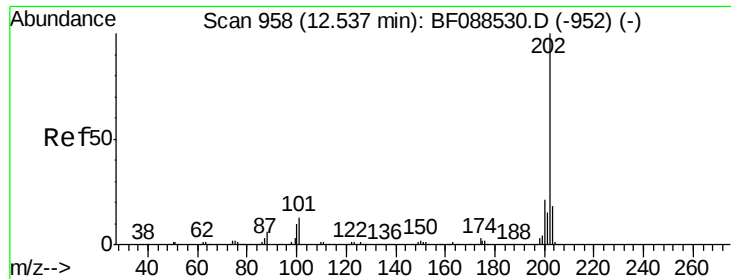
Tot Ion:178 Resp: 72628
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 14.7 13.0 19.4



#71
Anthracene
Concen: 3.15 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF089017.D
Acq: 15 Jul 2016 15:25

Tgt Ion:178 Resp: 25812
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 16.3 12.8 19.2





#74

Fluoranthene

Concen: 15.66 ng

RT: 12.39 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2ft)

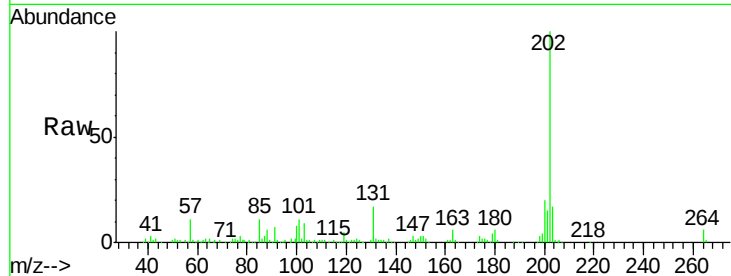
Tot Ion:202 Resp: 130804

Ion Ratio Lower Upper

202 100

101 10.9 0.0 33.1

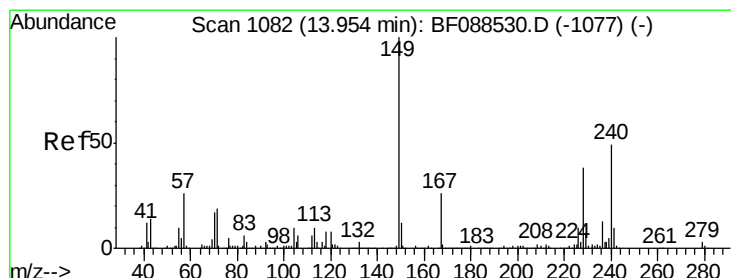
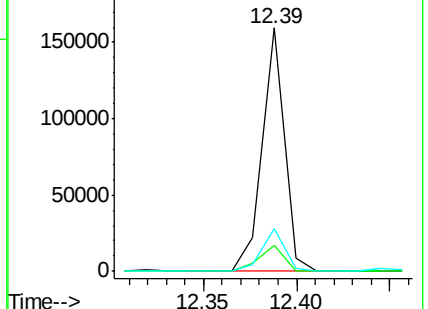
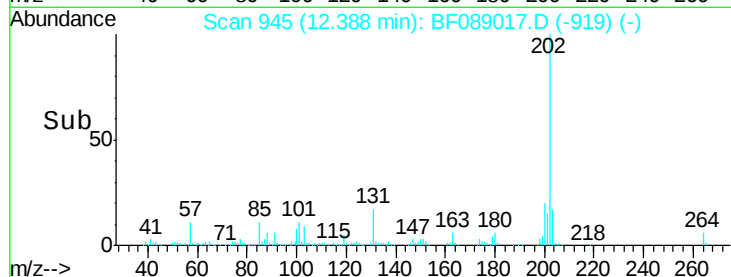
203 17.3 0.0 38.1



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: BF089017.D

Acq: 15 Jul 2016 15:25

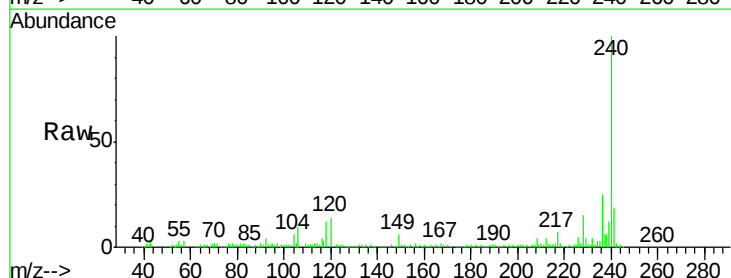
Tgt Ion:240 Resp: 114303

Ion Ratio Lower Upper

240 100

120 13.7 6.8 10.2#

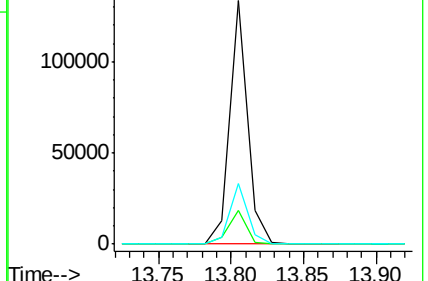
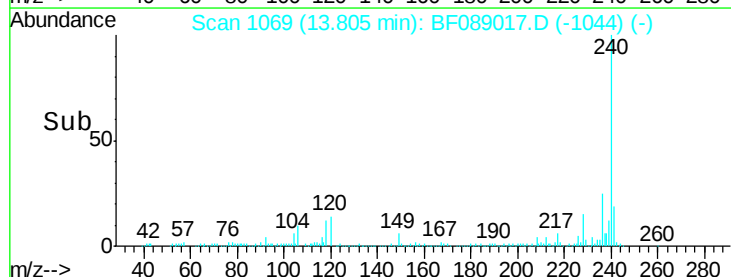
236 24.8 20.2 30.2

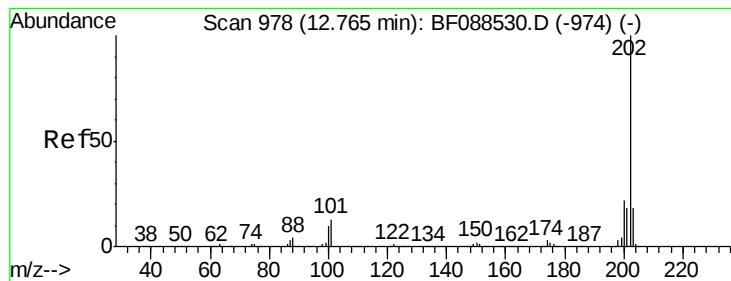


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 13.09 ng

RT: 12.62 min Scan# 965

Delta R.T. 0.00 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2ft)

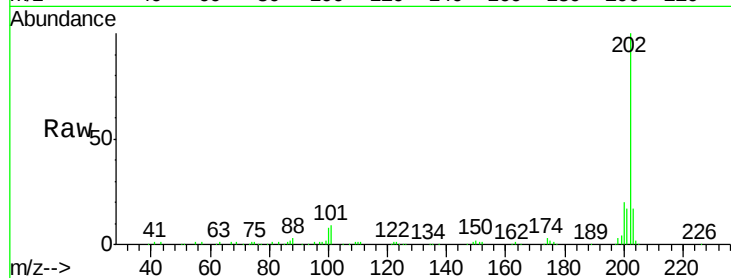
Tot Ion:202 Resp: 126827

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

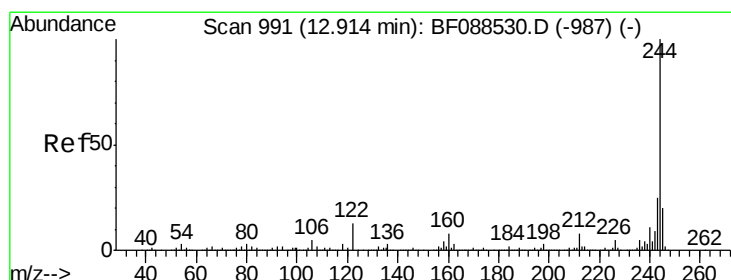
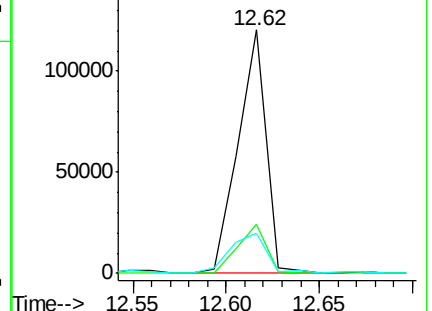
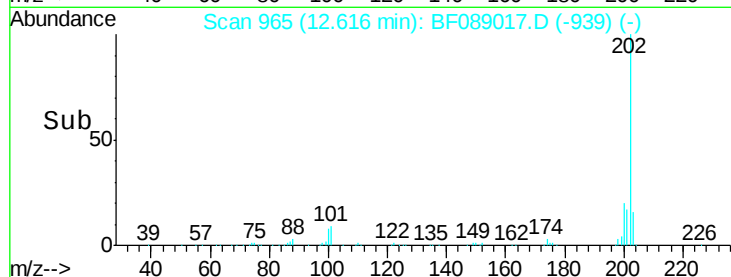
203 16.6 14.5 21.7



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: 80.29 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.01 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

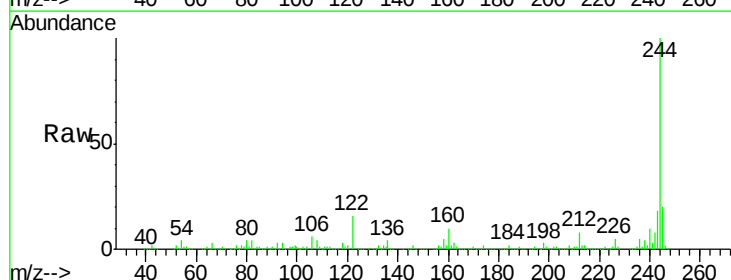
Tgt Ion:244 Resp: 412056

Ion Ratio Lower Upper

244 100

212 8.5 6.0 9.0

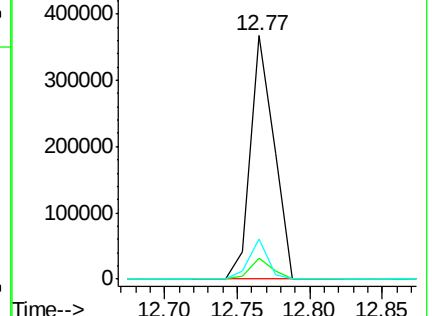
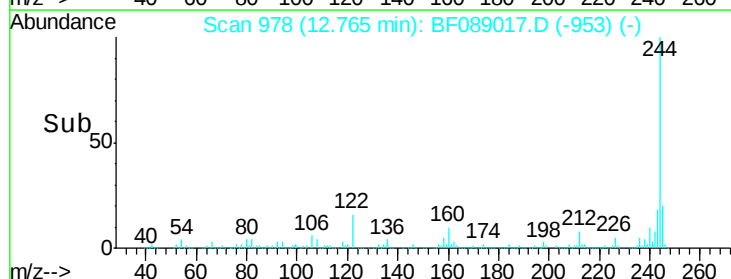
122 16.2 11.2 16.8

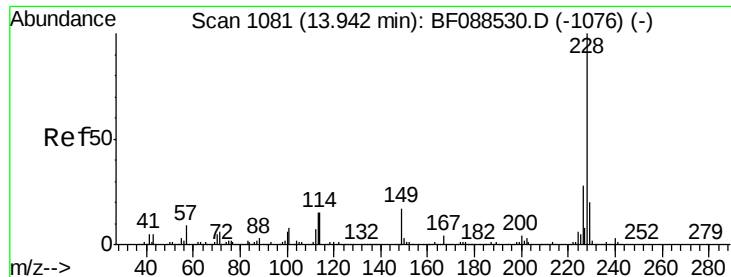


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.47 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2ft)

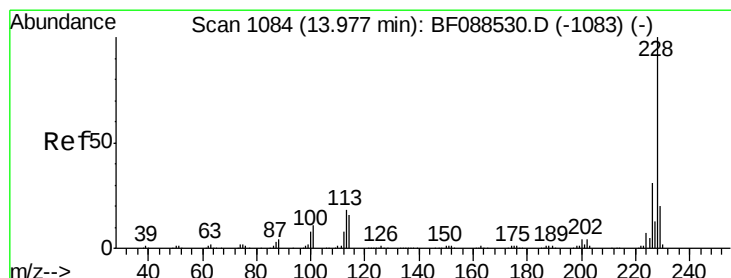
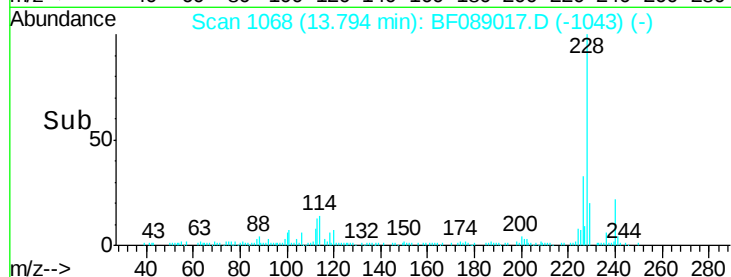
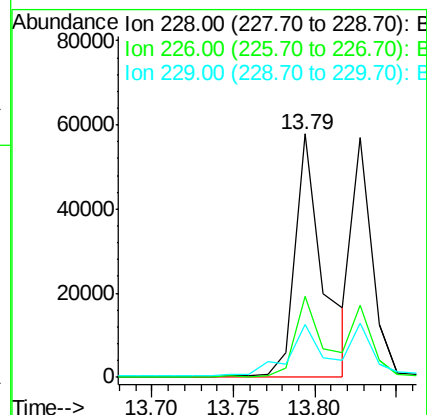
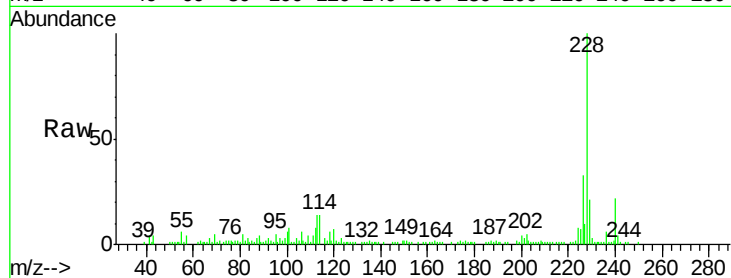
Tot Ion:228 Resp: 69708

Ion Ratio Lower Upper

228 100

226 33.4 22.3 33.5

229 21.5 16.0 24.0



#82

Chrysene

Concen: 6.75 ng m

RT: 13.83 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

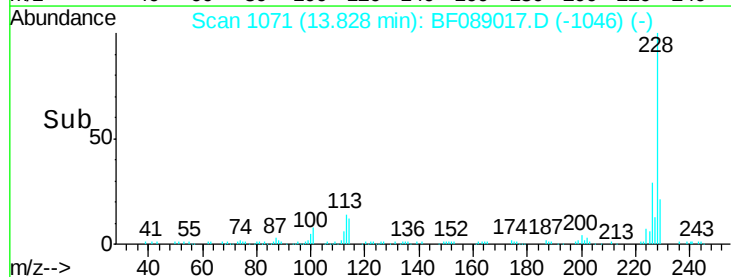
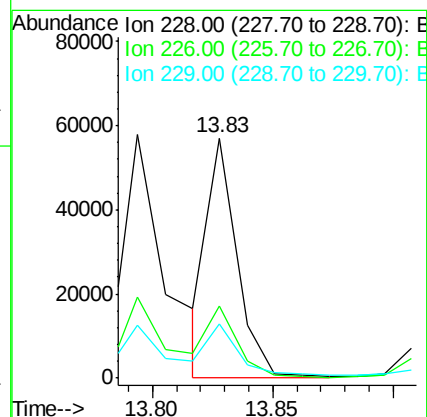
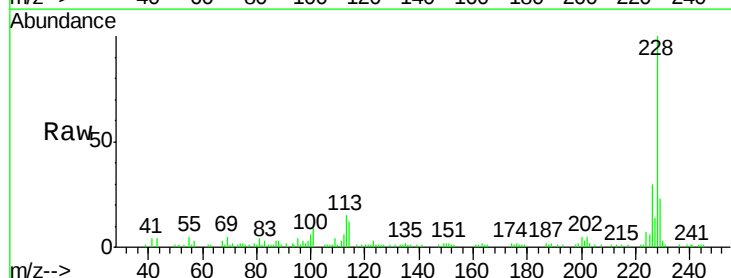
Tgt Ion:228 Resp: 49141

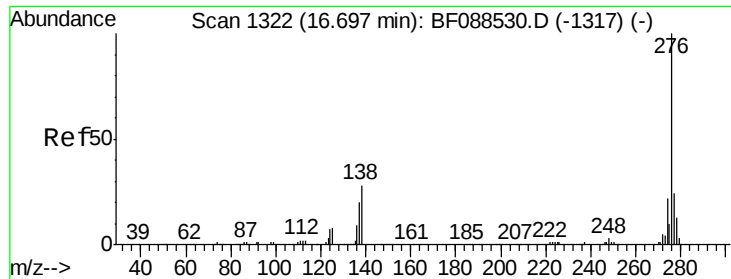
Ion Ratio Lower Upper

228 100

226 30.1 25.4 38.2

229 22.6 16.3 24.5

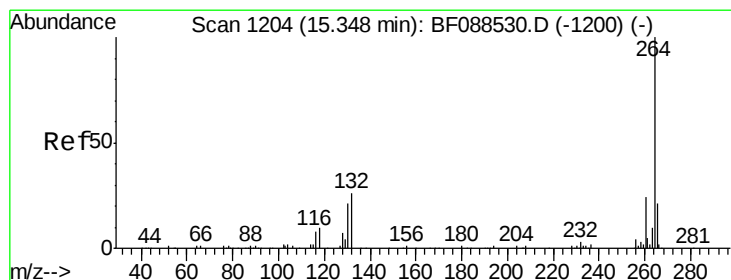
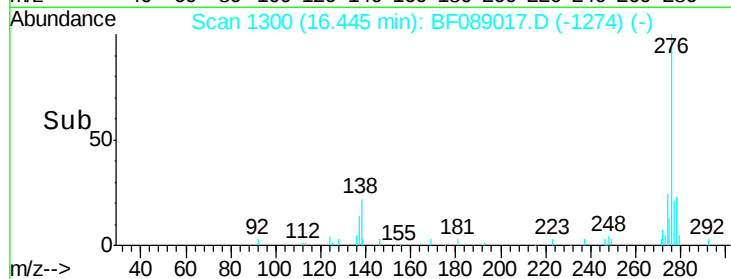
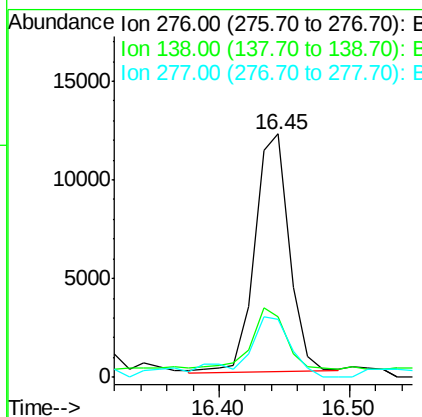
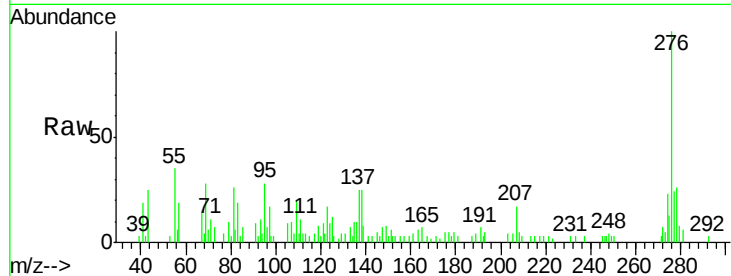




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.97 ng
RT: 16.45 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BF089017.D
Acq: 15 Jul 2016 15:25

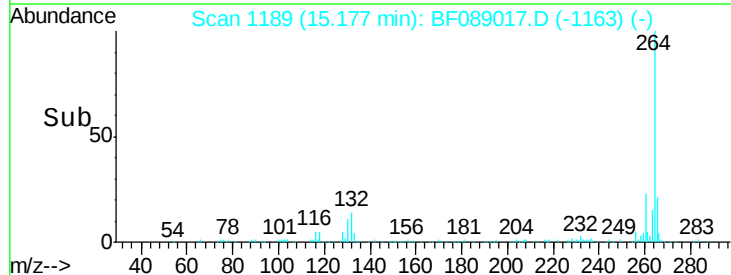
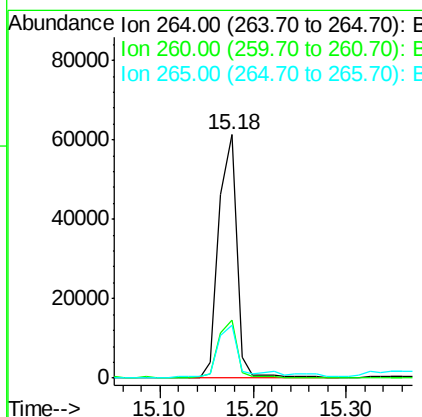
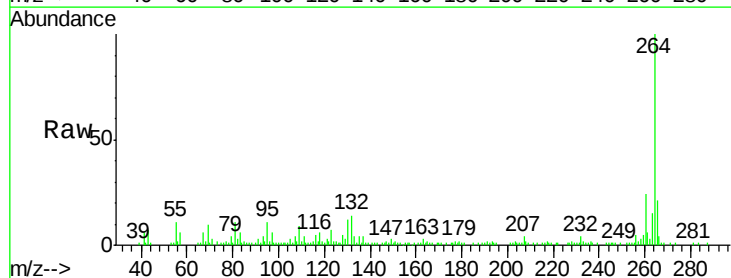
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB10(0-2ft)

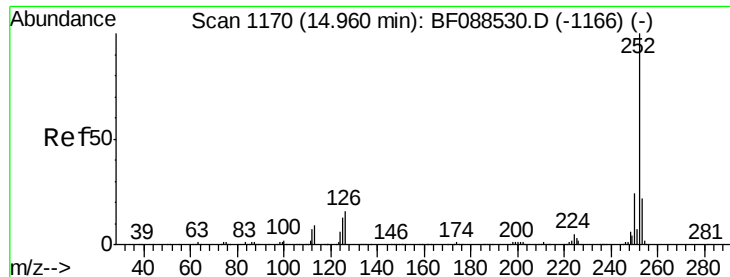
Tot Ion:276 Resp: 22219
Ion Ratio Lower Upper
276 100
138 25.3 0.0 0.0#
277 38.0 0.0 0.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1189
Delta R.T. 0.00 min
Lab File: BF089017.D
Acq: 15 Jul 2016 15:25

Tgt Ion:264 Resp: 82470
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.5 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 11.86 ng m

RT: 14.80 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2ft)

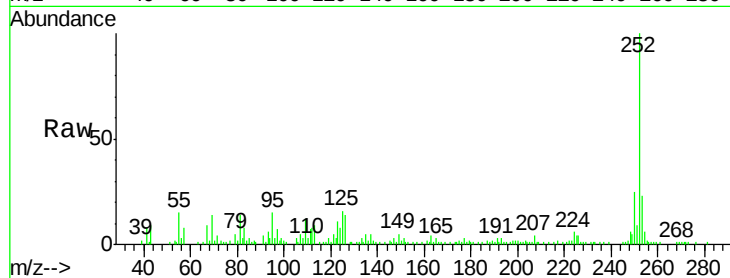
Tot Ion:252 Resp: 61371

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

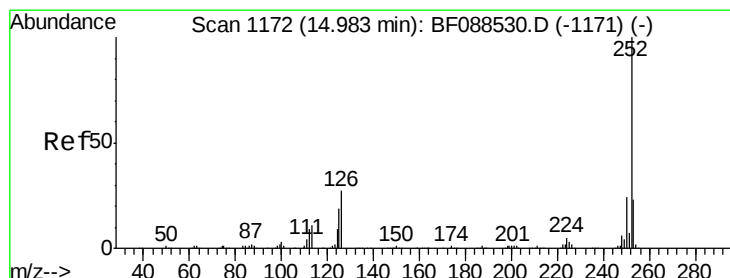
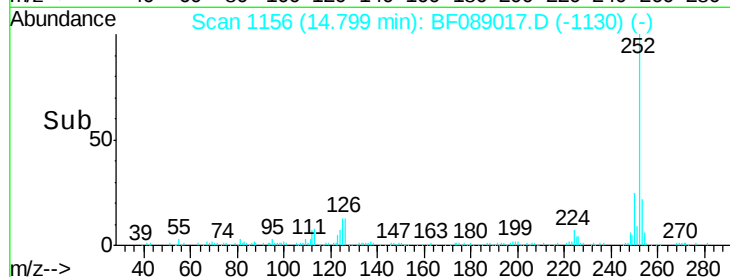
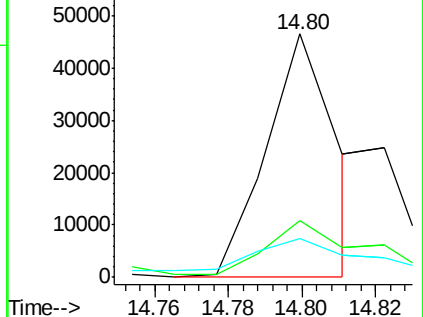
125 15.8 7.1 10.7#



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: 4.46 ng m

RT: 14.82 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

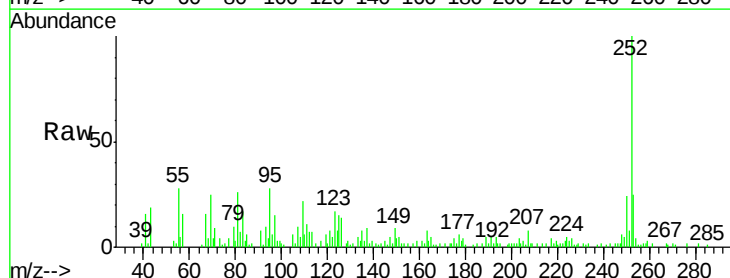
Tgt Ion:252 Resp: 20084

Ion Ratio Lower Upper

252 100

253 24.7 18.0 27.0

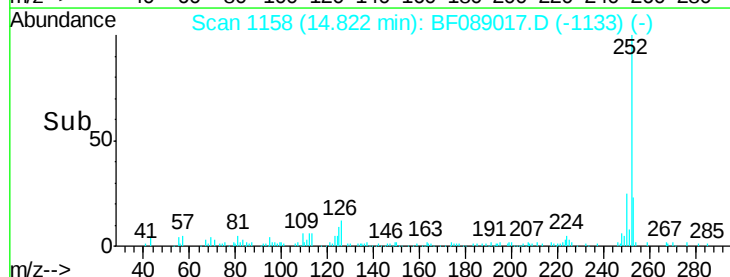
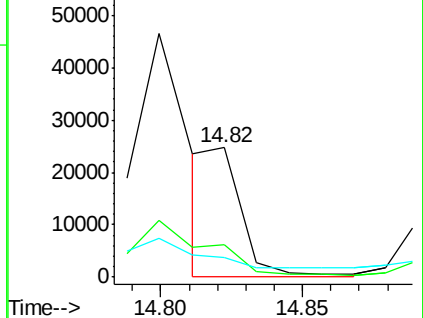
125 14.7 11.2 16.8

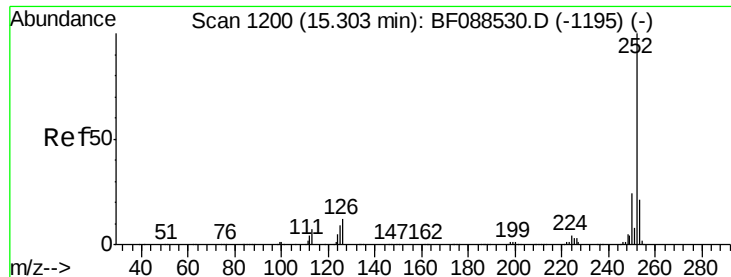


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

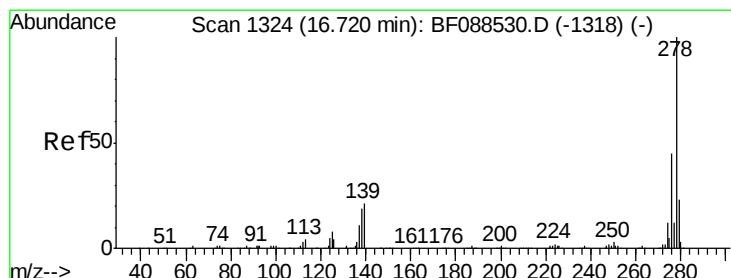
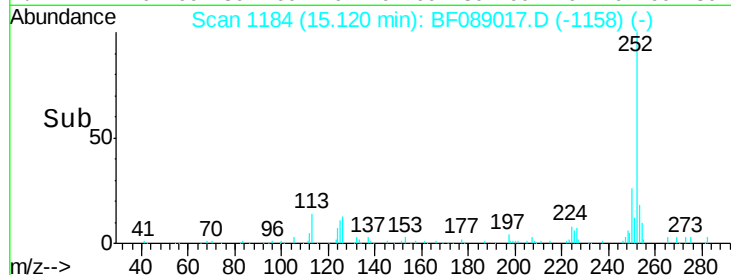
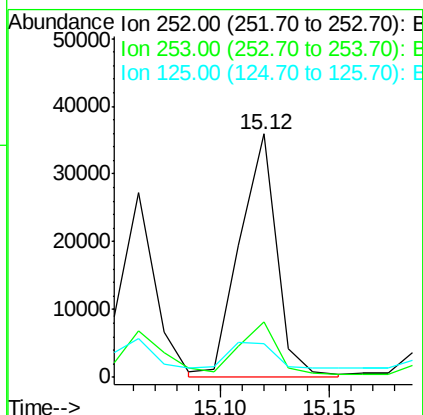
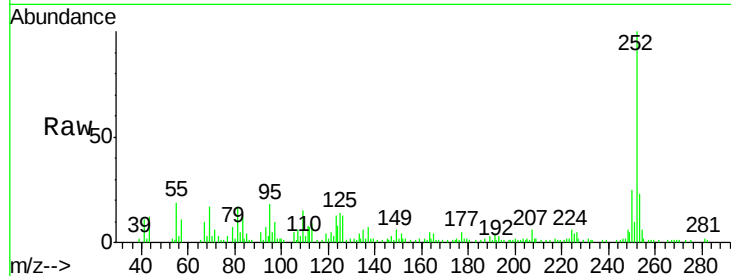




#89
Benzo(a)pyrene
Concen: 9.70 ng
RT: 15.12 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF089017.D
Acq: 15 Jul 2016 15:25

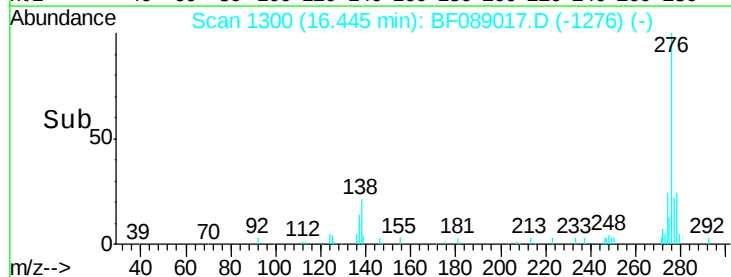
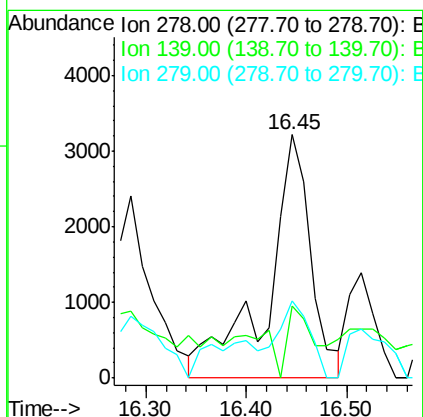
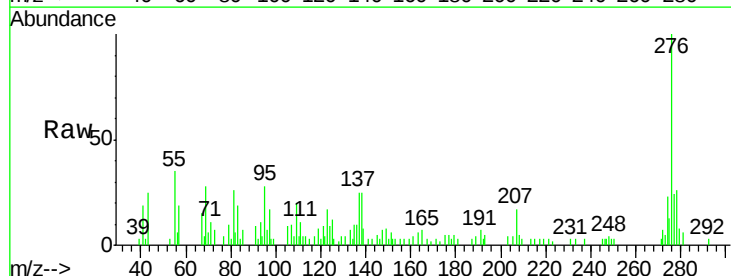
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB10(0-2ft)

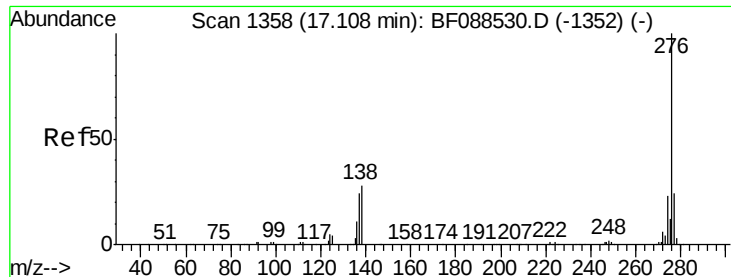
Tot Ion:252 Resp: 42483
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 13.7 12.5 18.7



#90
Dibenzo(a,h)anthracene
Concen: 2.64 ng
RT: 16.45 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF089017.D
Acq: 15 Jul 2016 15:25

Tgt Ion:278 Resp: 9652
Ion Ratio Lower Upper
278 100
139 29.6 15.7 23.5#
279 31.5 19.4 29.2#

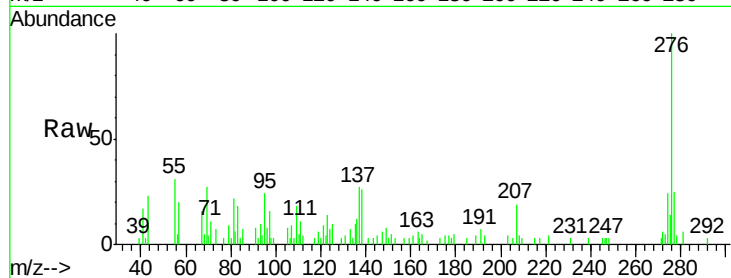




#91
 Benzo(a,h,i)perylene
 Concen: 6.13 ng
 RT: 16.82 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF089017.D
 Acq: 15 Jul 2016 15:25

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB10(0-2ft)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.9	28.3
138	25.7	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

