

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082416\
 Data File : BF089898.D
 Acq On : 25 Aug 2016 3:19
 Operator : UM/SJ
 Sample : H4576-07
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21B-(3.6-5)

Manual Integrations
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Quant Time: Aug 25 17:10:21 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	349130m	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	555482m	20.00	ng	0.01
38) Acenaphthene-d10	9.79	164	250556m	20.00	ng	0.08
63) Phenanthrene-d10	11.27	188	373592m	20.00	ng	0.08
75) Chrysene-d12	13.86	240	786784m	20.00	ng	-0.01
86) Perylene-d12	15.33	264	954953	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	2781207	136.61	ng	-0.01
7) Phenol-d6	6.32	99	3295000m	131.85	ng	0.00
23) Nitrobenzene-d5	7.26	82	1297506	145.11	ng	0.00
41) 2,4,6-Tribromophenol	10.59	330	322988	135.64	ng	0.09
44) 2-Fluorobiphenyl	9.12	172	1020451	71.58	ng	0.07
78) Terphenyl-d14	12.82	244	1377412	39.61	ng	0.04
Target Compounds						Qvalue
31) Naphthalene	8.04	128	6028170m	232.19	ng	
37) 2-Methylnaphthalene	8.78	142	10614331m	631.98	ng	
45) 1,1'-Biphenyl	9.22	154	1899738	97.98	ng	95
51) Acenaphthene	9.84	154	747158m	49.02	ng	
57) Fluorene	10.35	166	1790678m	117.36	ng	
70) Phenanthrene	11.30	178	4471765m	236.99	ng	
74) Fluoranthene	12.46	202	369894m	20.61	ng	
77) Pyrene	12.67	202	1964477	30.66	ng	# 88

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

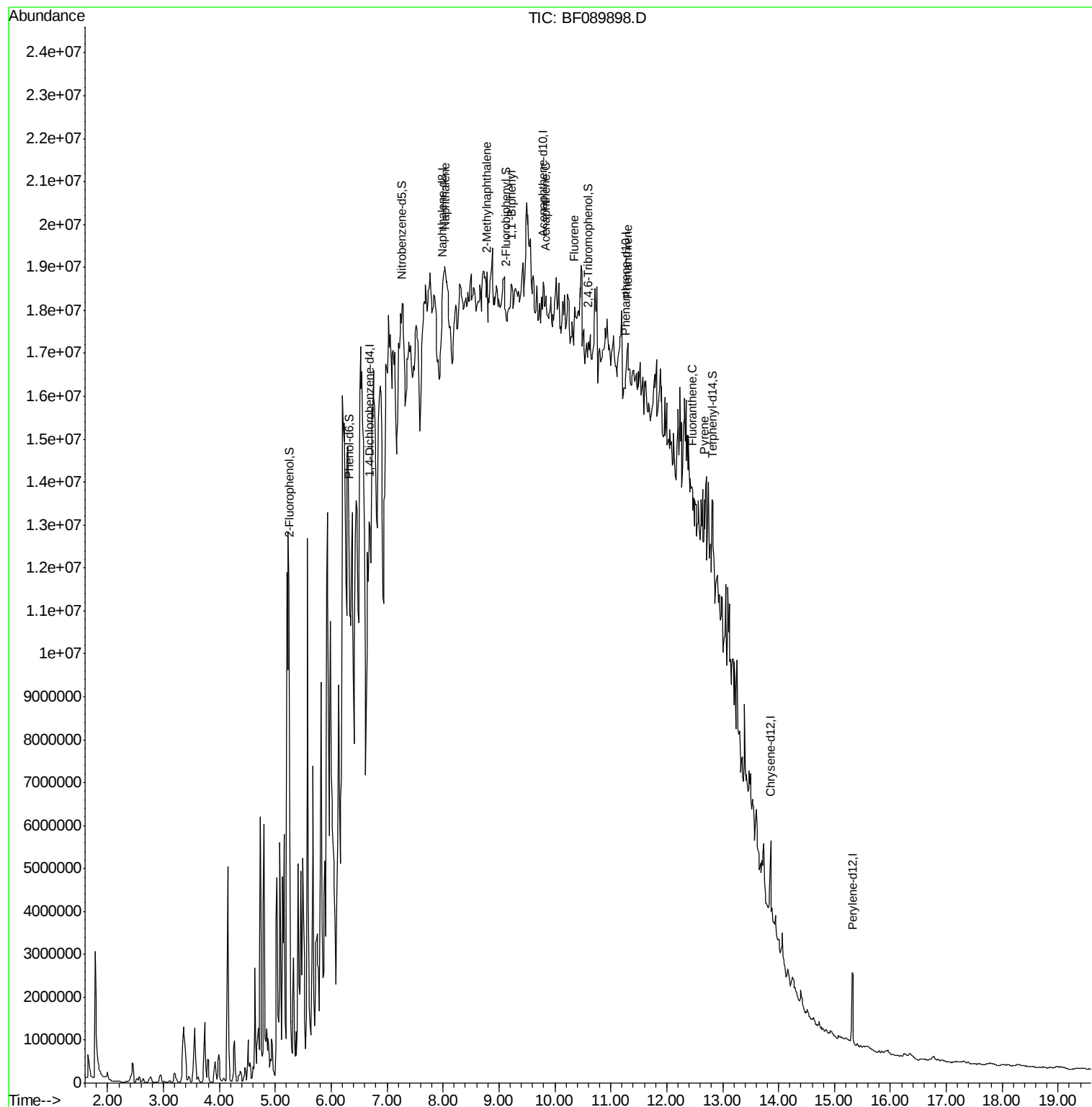
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082416\
Data File : BF089898.D
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Sample : H4576-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

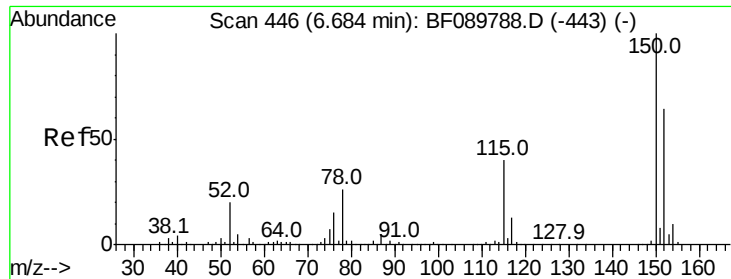
Instrument :
BNA_F
ClientSampleId :
SB-21B-(3.6-5)

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Quant Time: Aug 25 17:10:21 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 19 14:02:57 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng/mL

RT: 6.68 min Scan# 446

Delta R.T. 0.00 min

Lab File: BF089898.D

Acq: 25 Aug 2016 3:19

Instrument :

BNA_F

ClientSampleId :

SB-21B-(3.6-5)

Tot Ion:152 Resp: 349130

Ion Ratio Lower Upper

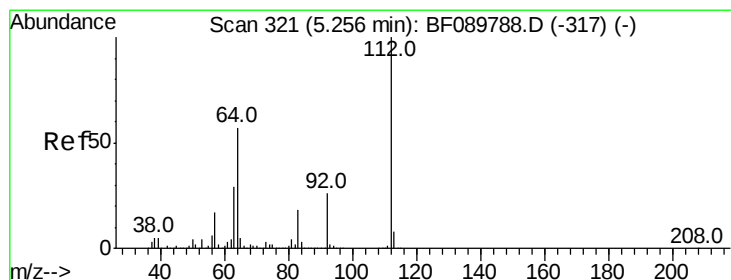
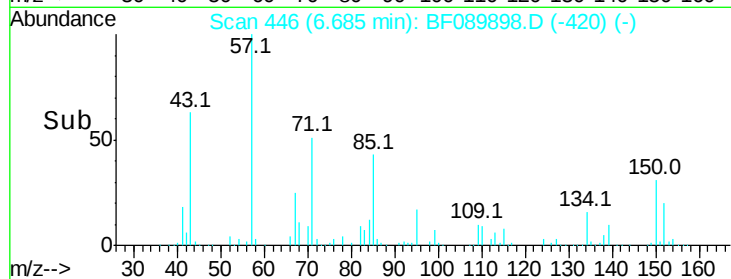
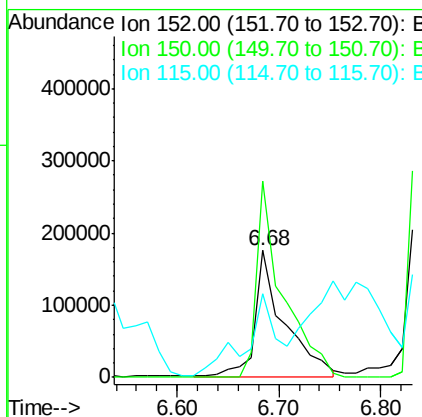
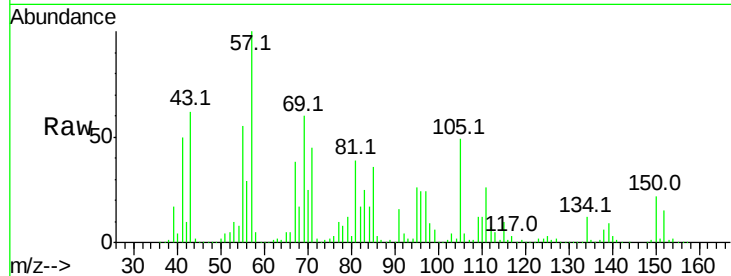
152 100

150 154.6 125.3 187.9

115 65.6 40.9 61.3#

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#5

2-Fluorophenol

Concen: 136.61 ng

RT: 5.24 min Scan# 320

Delta R.T. -0.01 min

Lab File: BF089898.D

Acq: 25 Aug 2016 3:19

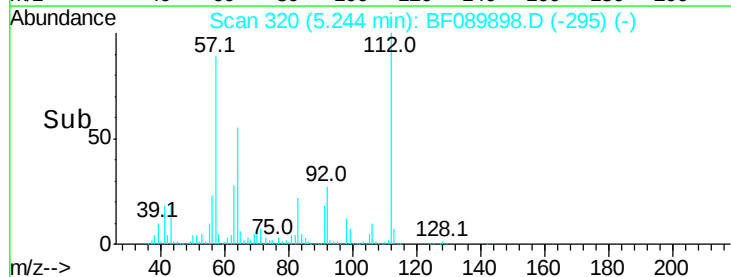
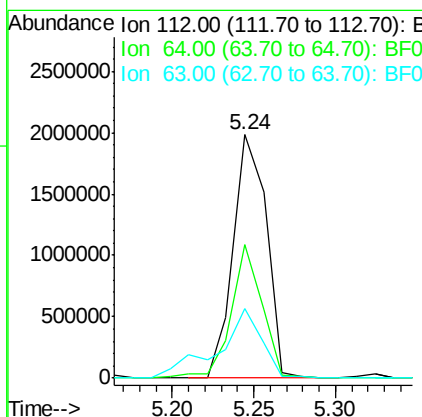
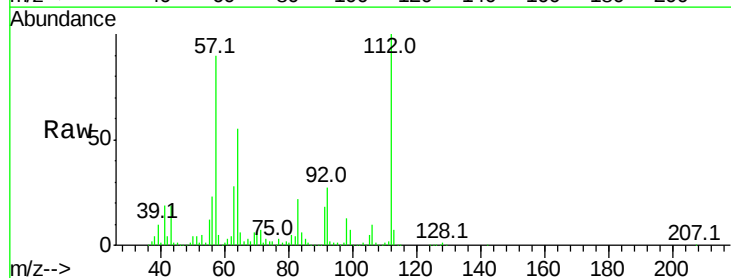
Tgt Ion:112 Resp: 2781207

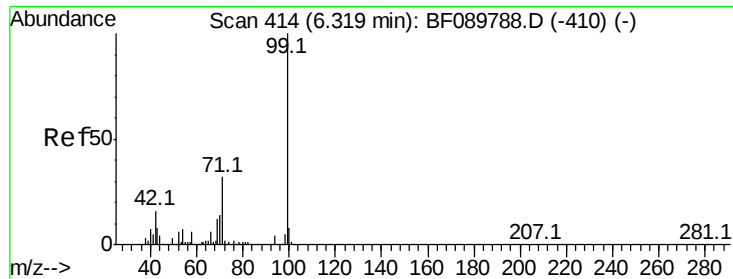
Ion Ratio Lower Upper

112 100

64 55.1 45.0 67.4

63 28.4 23.1 34.7





#7

Phenol-d6

Concen: 131.85 ng m

RT: 6.32 min Scan# 414

Delta R.T. 0.00 min

Lab File: BF089898.D

Acq: 25 Aug 2016 3:19

Instrument :

BNA_F

ClientSampleId :

SB-21B-(3.6-5)

Tot Ion: 99 Resp: 3295000

Ion Ratio Lower Upper

99 100

42 14.7 12.2 18.4

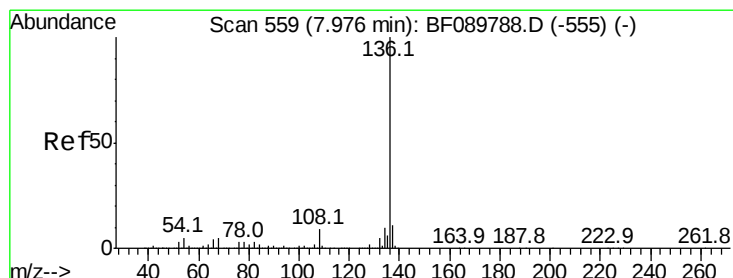
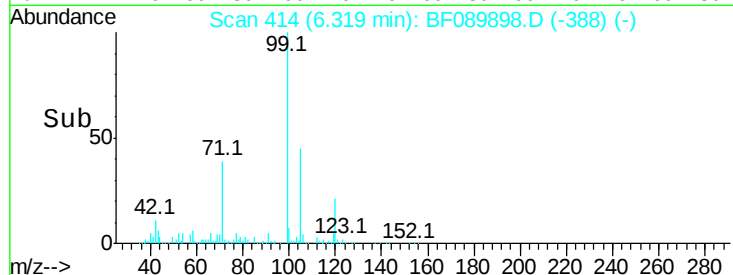
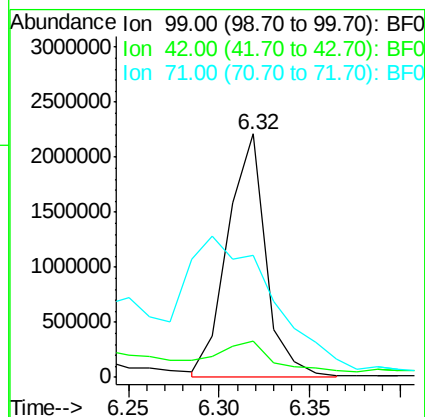
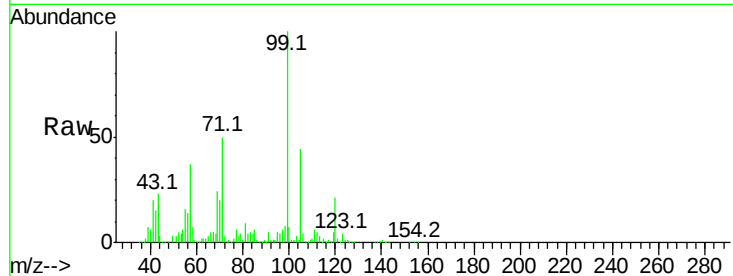
71 50.2 23.8 35.8#

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#21

Naphthalene-d8

Concen: 20.00 ng m

RT: 7.99 min Scan# 560

Delta R.T. 0.01 min

Lab File: BF089898.D

Acq: 25 Aug 2016 3:19

Tgt Ion: 136 Resp: 555482

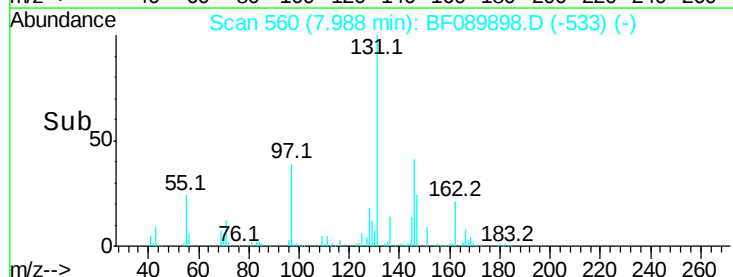
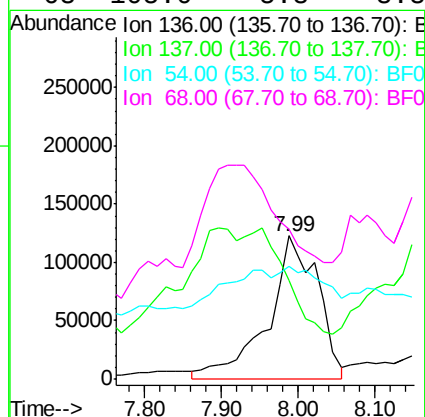
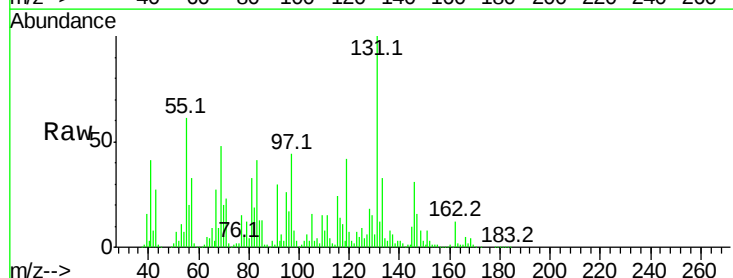
Ion Ratio Lower Upper

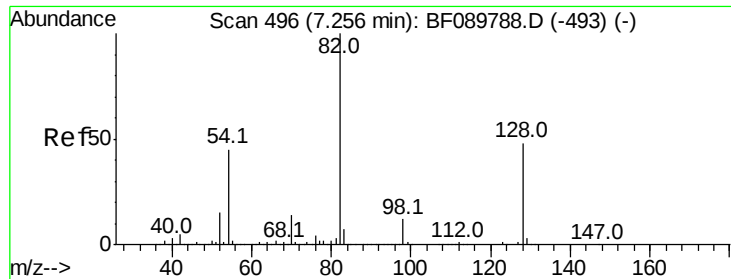
136 100

137 68.8 9.2 13.8#

54 78.3 7.2 10.8#

68 105.0 5.8 8.8#





#23

Nitrobenzene-d5

Concen: 145.11 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.00 min

Lab File: BF089898.D

Acq: 25 Aug 2016 3:19

Instrument :

BNA_F

ClientSampleId :

SB-21B-(3.6-5)

Tot Ion: 82 Resp: 1297506

Ion Ratio Lower Upper

82 100

128 36.7 34.4 51.6

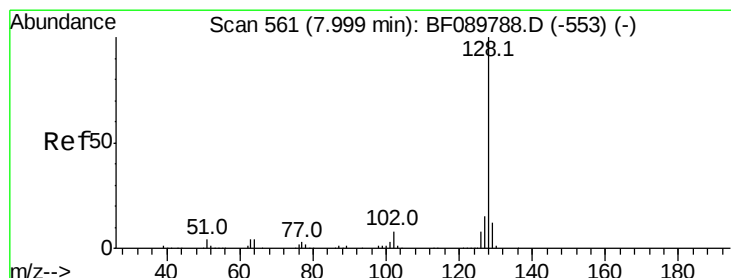
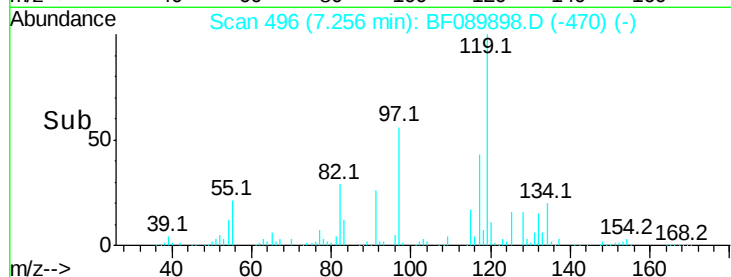
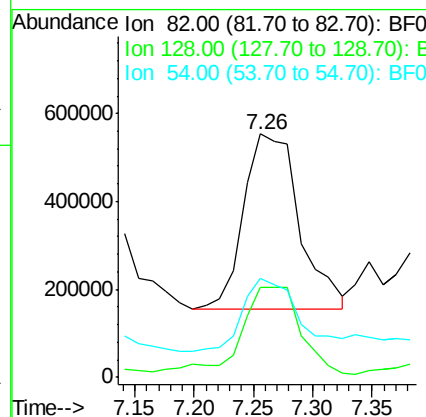
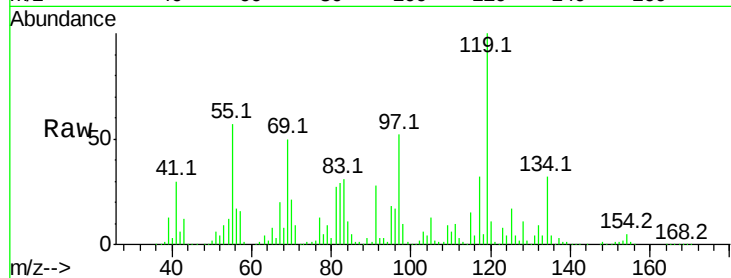
54 40.6 40.3 60.5

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#31

Naphthalene

Concen: 232.19 ng m

RT: 8.04 min Scan# 565

Delta R.T. 0.05 min

Lab File: BF089898.D

Acq: 25 Aug 2016 3:19

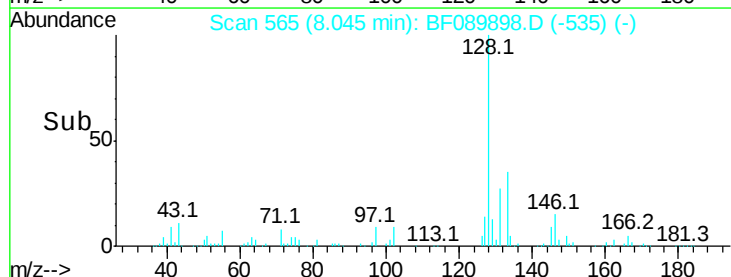
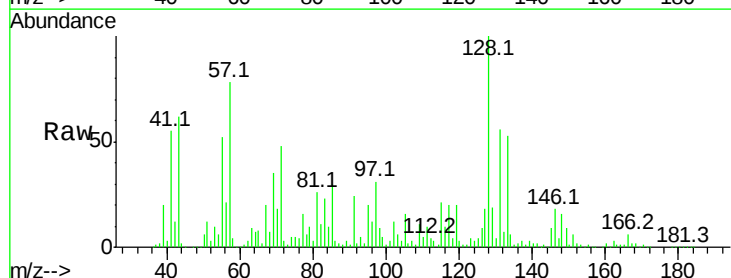
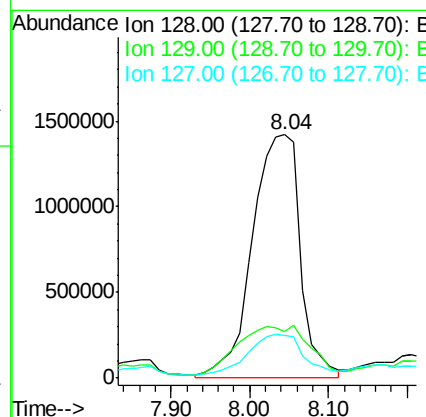
Tgt Ion:128 Resp: 6028170

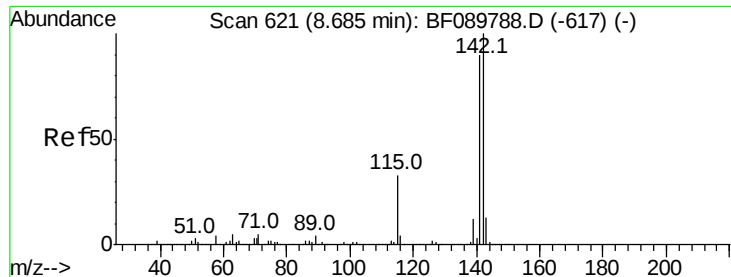
Ion Ratio Lower Upper

128 100

129 19.1 9.5 14.3#

127 17.5 11.3 16.9#





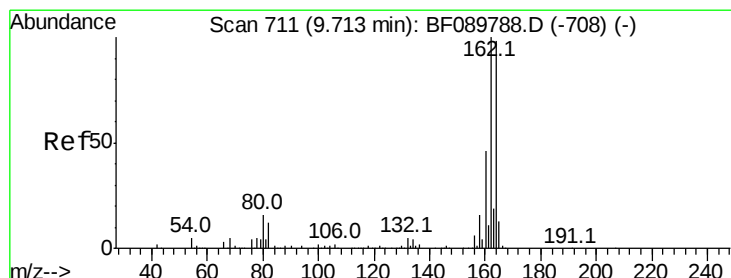
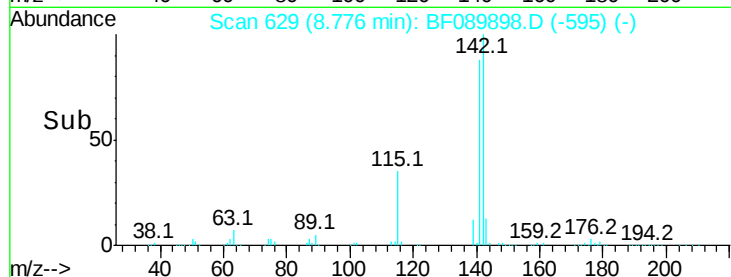
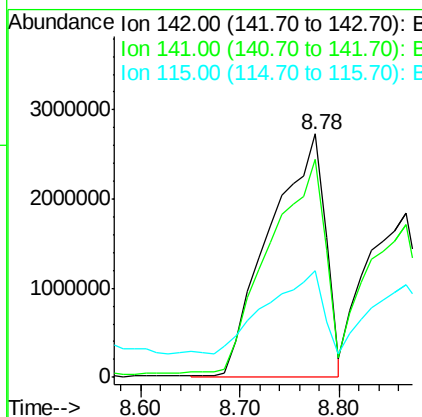
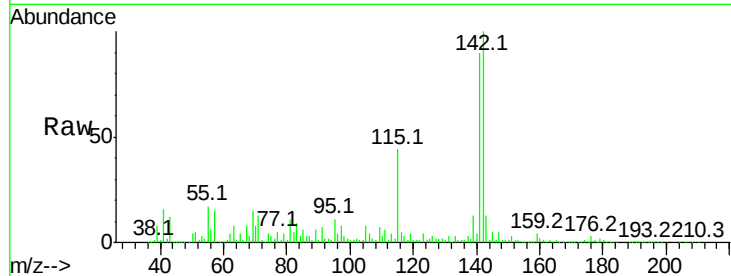
#37
2-Methylnaphthalene
Concen: 631.98 ng m
RT: 8.78 min Scan# 629
Delta R.T. 0.09 min
Lab File: BF089898.D
Acq: 25 Aug 2016 3:19

Instrument :
BNA_F
ClientSampleId :
SB-21B-(3.6-5)

Tot Ion:142 Resp:10614331
Ion Ratio Lower Upper
142 100
141 89.7 71.4 107.2
115 43.7 22.7 34.1#

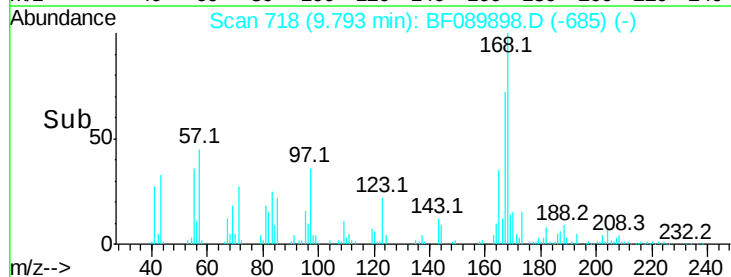
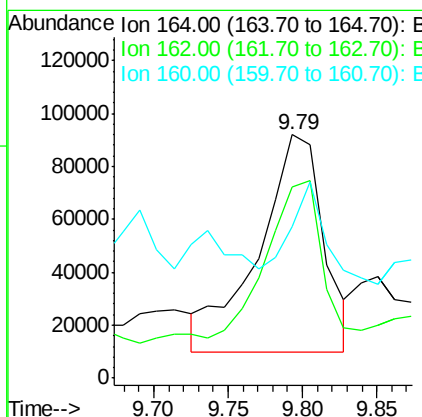
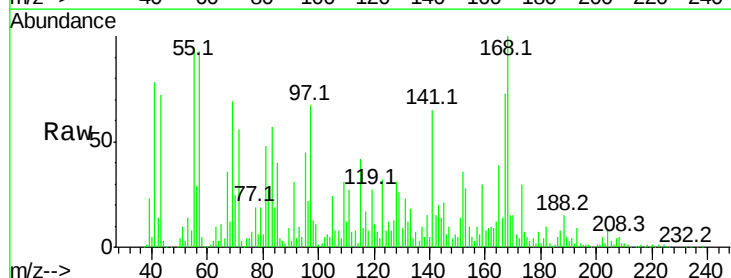
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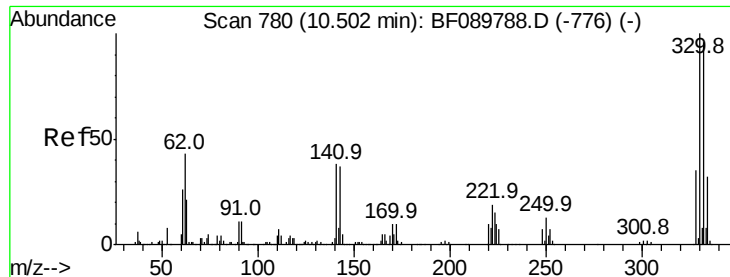
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#38
Acenaphthene-d10
Concen: 20.00 ng m
RT: 9.79 min Scan# 718
Delta R.T. 0.08 min
Lab File: BF089898.D
Acq: 25 Aug 2016 3:19

Tgt Ion:164 Resp: 250556
Ion Ratio Lower Upper
164 100
162 78.7 81.4 122.2#
160 62.4 37.8 56.6#





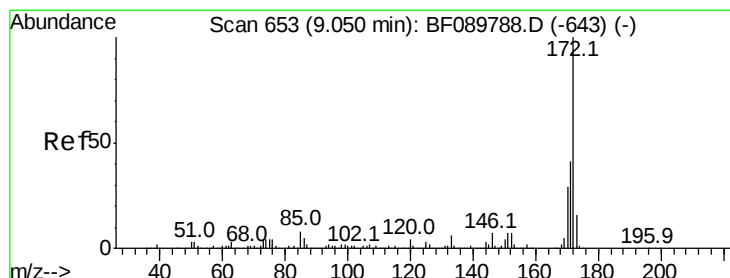
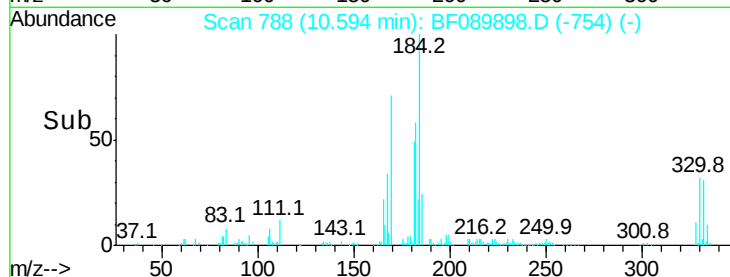
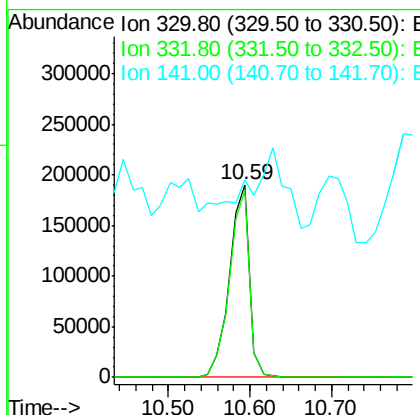
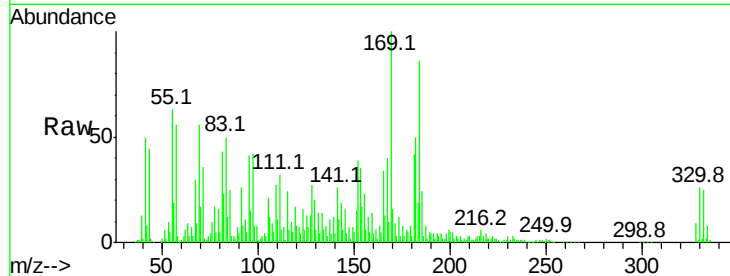
#41
 2,4,6-Tribromophenol
 Concen: 135.64 ng
 RT: 10.59 min Scan# 788
 Delta R.T. 0.09 min
 Lab File: BF089898.D
 Acq: 25 Aug 2016 3:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-21B-(3.6-5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.7	115.1
141	0.0	30.2	45.2#

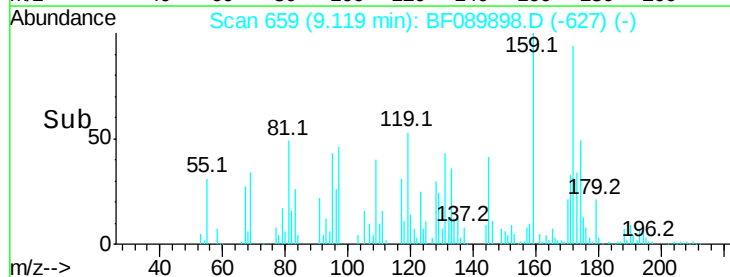
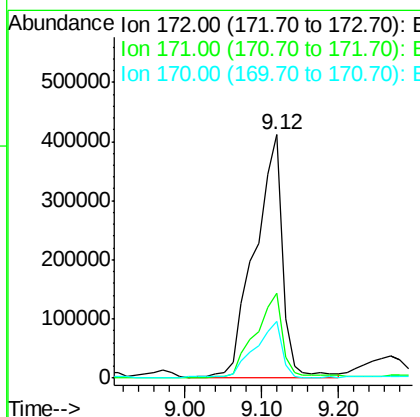
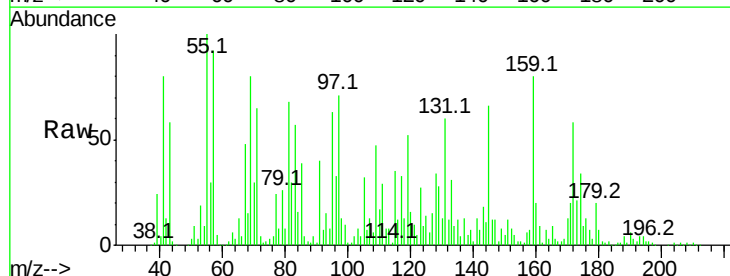
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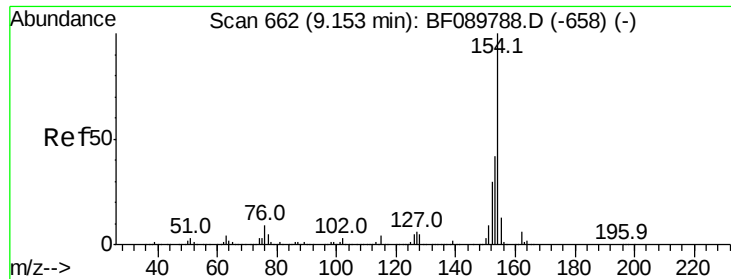
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#44
 2-Fluorobiphenyl
 Concen: 71.58 ng
 RT: 9.12 min Scan# 659
 Delta R.T. 0.07 min
 Lab File: BF089898.D
 Acq: 25 Aug 2016 3:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	30.5	45.7
170	23.3	20.6	31.0





#45

1,1'-Biphenyl

Concen: 97.98 ng

RT: 9.22 min Scan# 668

Delta R.T. 0.07 min

Lab File: BF089898.D

Acq: 25 Aug 2016 3:19

Instrument :

BNA_F

ClientSampleId :

SB-21B-(3.6-5)

Tot Ion:154 Resp: 1899738

Ion Ratio Lower Upper

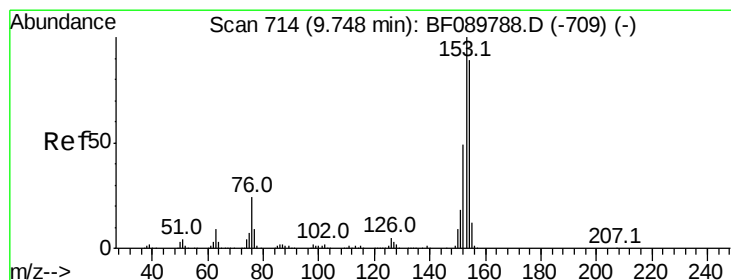
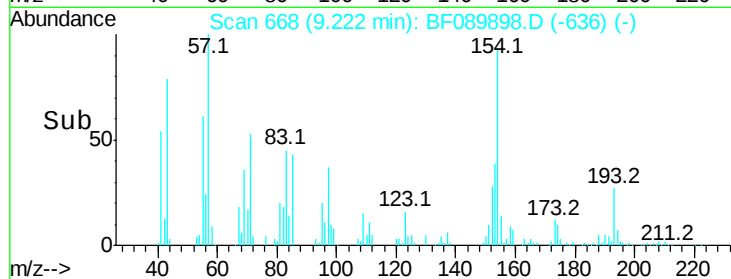
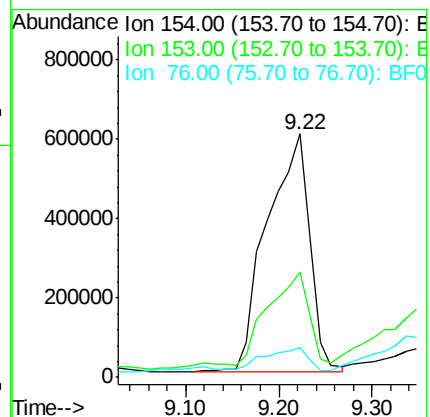
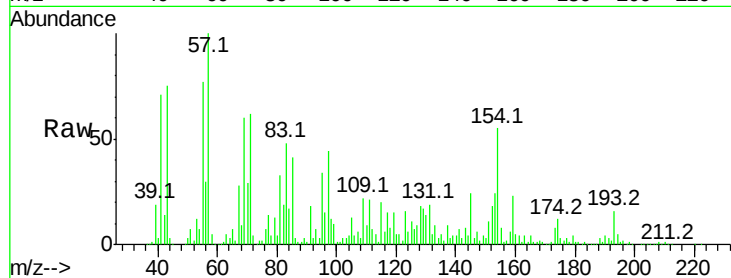
154 100

153 43.3 21.5 61.5

76 12.5 0.0 36.7

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#51

Acenaphthene

Concen: 49.02 ng m

RT: 9.84 min Scan# 722

Delta R.T. 0.09 min

Lab File: BF089898.D

Acq: 25 Aug 2016 3:19

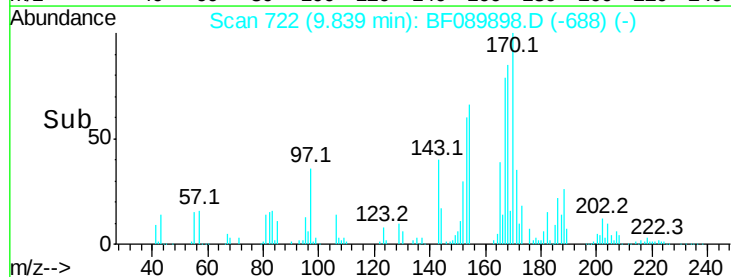
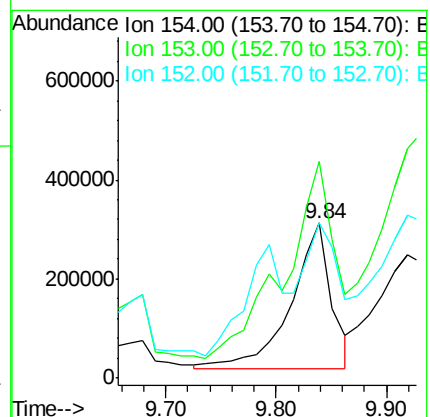
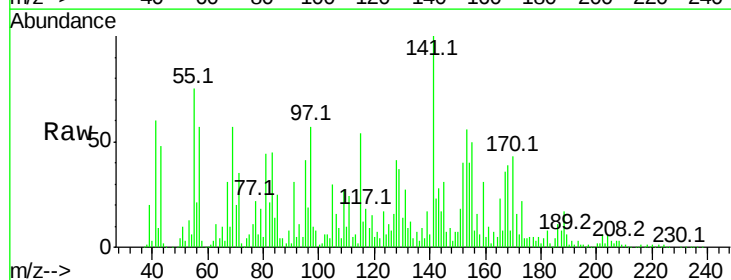
Tgt Ion:154 Resp: 747158

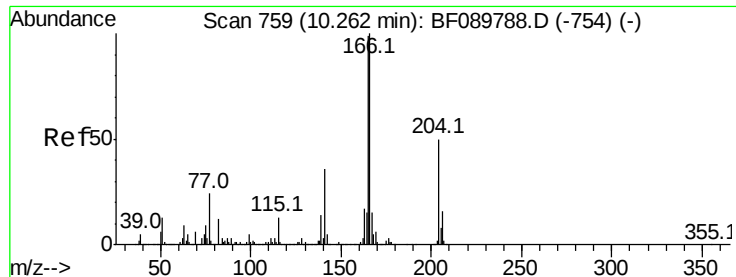
Ion Ratio Lower Upper

154 100

153 140.3 90.5 135.7#

152 100.1 44.6 67.0#





#57

Fluorene

Concen: 117.36 ng m

RT: 10.35 min Scan# 767

Delta R.T. 0.09 min

Lab File: BF089898.D

Acq: 25 Aug 2016 3:19

Instrument :

BNA_F

ClientSampleId :

SB-21B-(3.6-5)

Tot Ion:166 Resp: 1790678

Ion Ratio Lower Upper

166 100

165 115.2 80.2 120.4

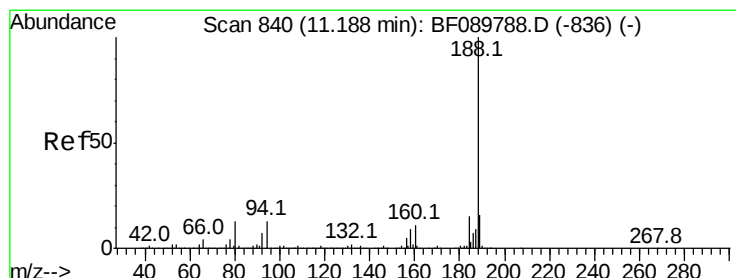
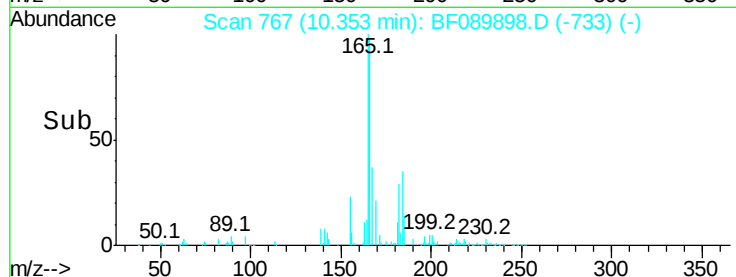
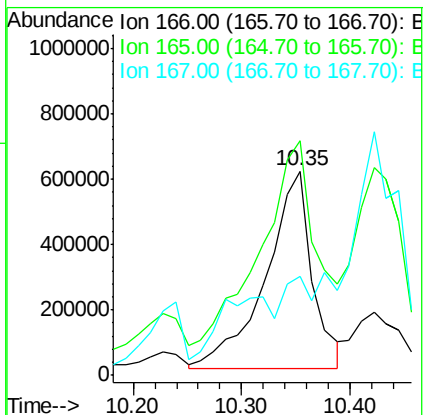
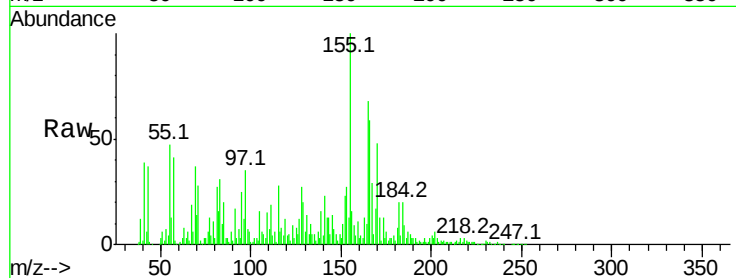
167 48.6 11.3 16.9#

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#63

Phenanthrene-d10

Concen: 20.00 ng m

RT: 11.27 min Scan# 847

Delta R.T. 0.08 min

Lab File: BF089898.D

Acq: 25 Aug 2016 3:19

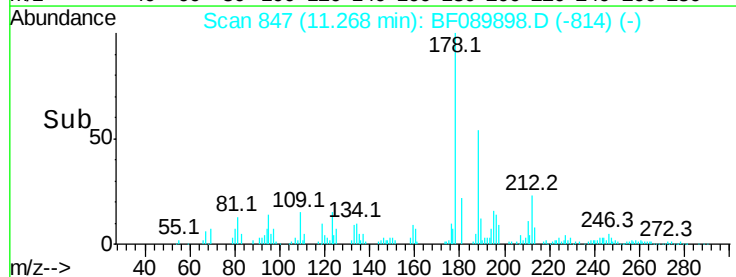
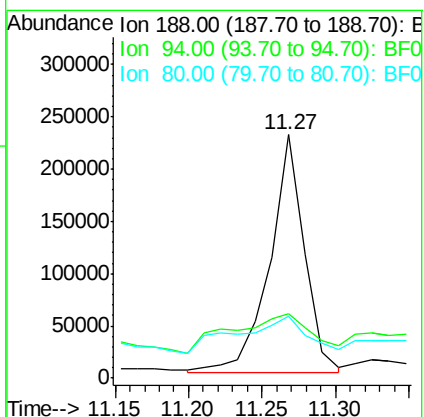
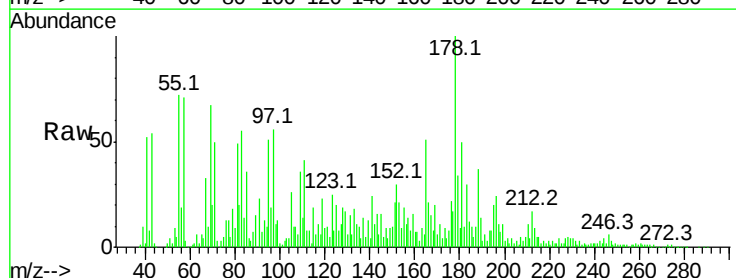
Tgt Ion:188 Resp: 373592

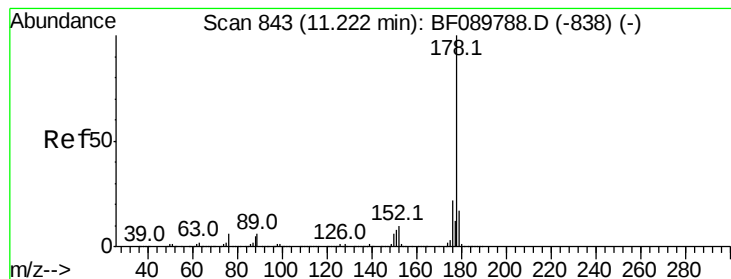
Ion Ratio Lower Upper

188 100

94 26.2 10.2 15.2#

80 25.3 10.9 16.3#





#70

Phenanthrene

Concen: 236.99 ng m

RT: 11.30 min Scan# 850

Delta R.T. 0.08 min

Lab File: BF089898.D

Acq: 25 Aug 2016 3:19

Instrument :

BNA_F

ClientSampleId :

SB-21B-(3.6-5)

Tot Ion:178 Resp: 4471765

Ion Ratio Lower Upper

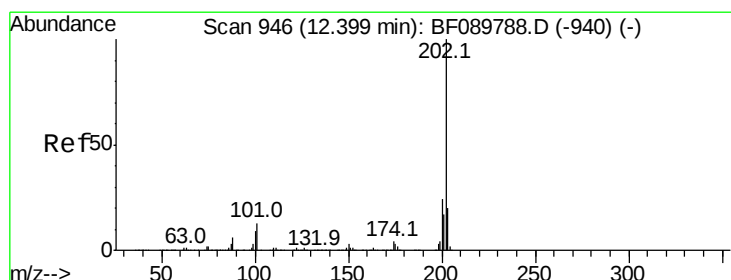
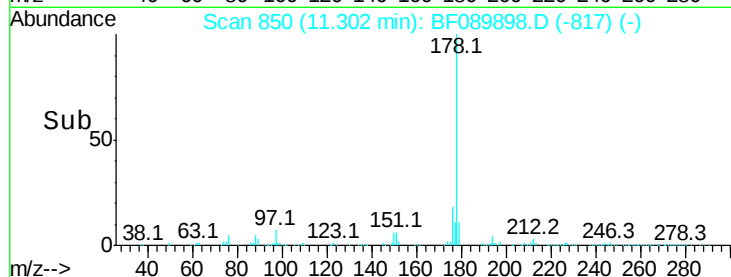
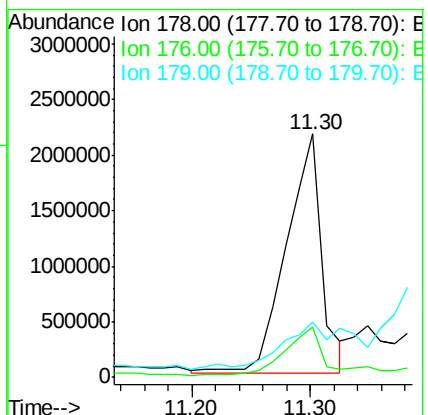
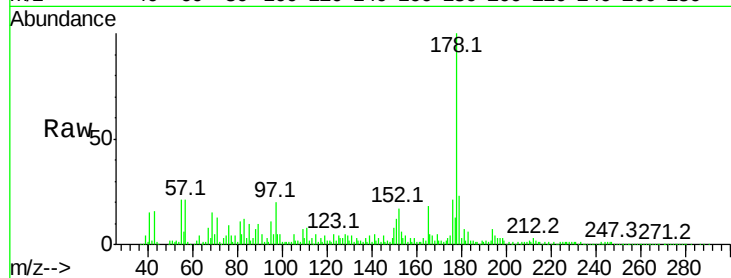
178 100

176 20.6 16.4 24.6

179 23.0 12.5 18.7#

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#74

Fluoranthene

Concen: 20.61 ng m

RT: 12.46 min Scan# 951

Delta R.T. 0.06 min

Lab File: BF089898.D

Acq: 25 Aug 2016 3:19

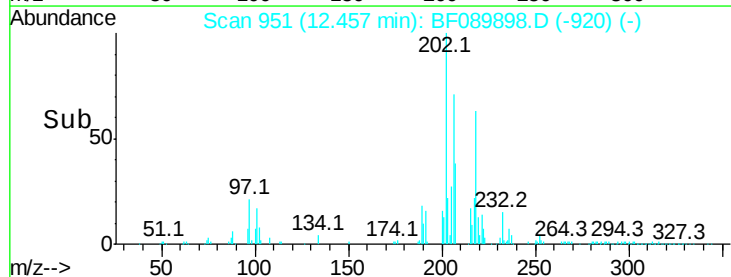
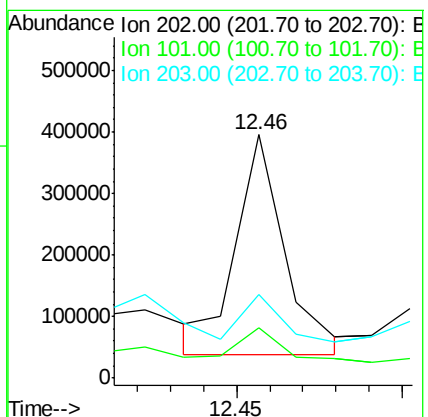
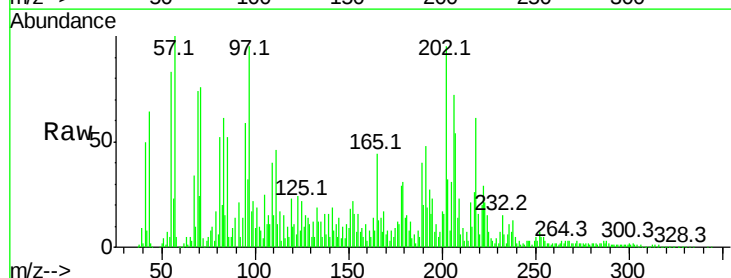
Tgt Ion:202 Resp: 369894

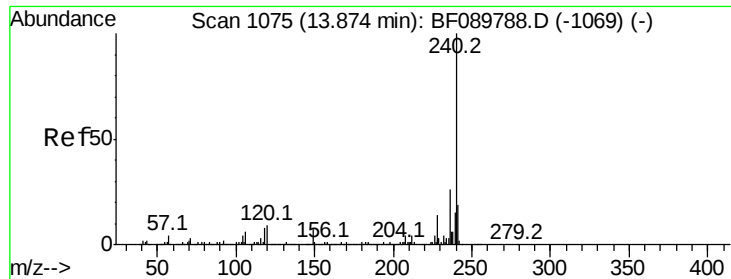
Ion Ratio Lower Upper

202 100

101 20.5 0.0 31.2

203 34.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng/mL

RT: 13.86 min Scan# 1074

Delta R.T. -0.01 min

Lab File: BF089898.D

Acq: 25 Aug 2016 3:19

Instrument :

BNA_F

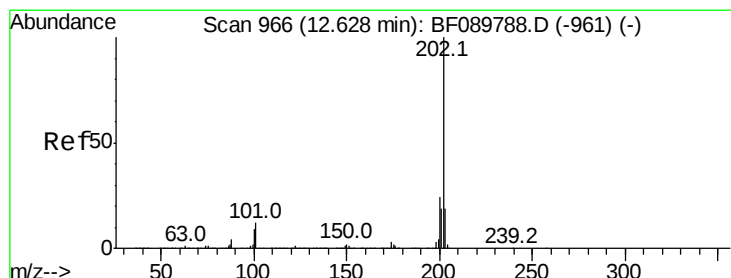
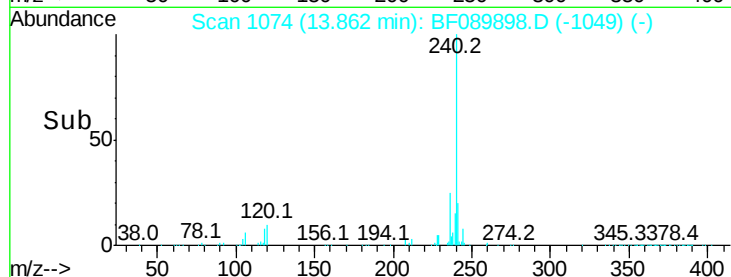
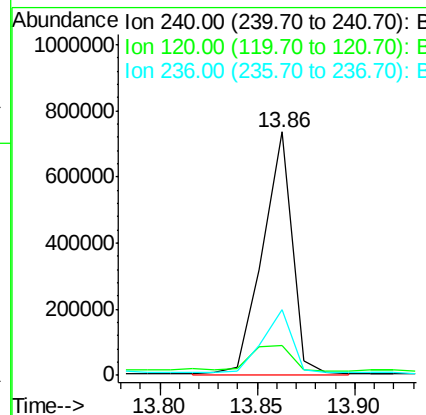
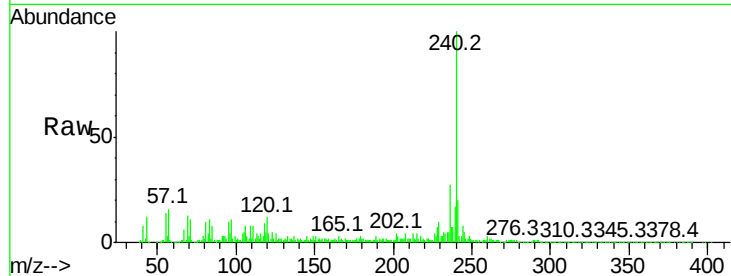
ClientSampleId :

SB-21B-(3.6-5)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	786784		
120	12.3	8.3	12.5	
236	26.8	21.3	31.9	

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#77

Pyrene

Concen: 30.66 ng

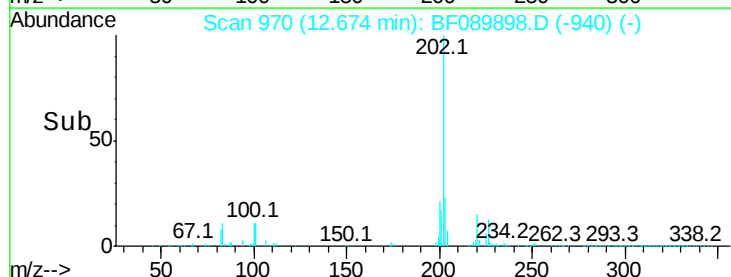
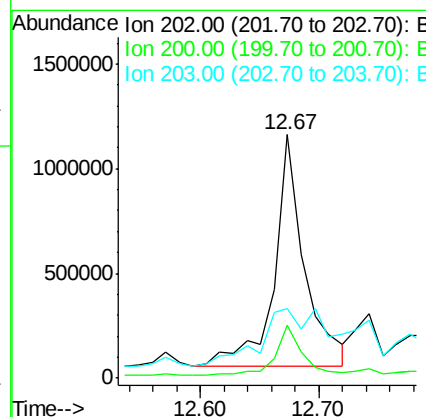
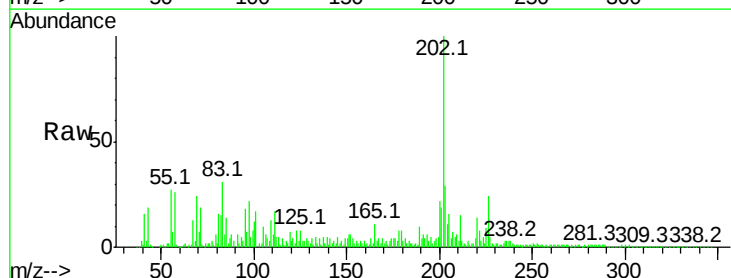
RT: 12.67 min Scan# 970

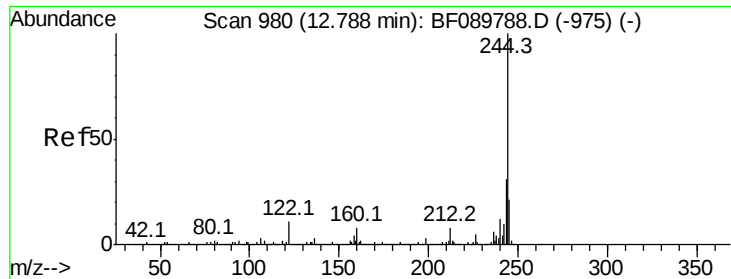
Delta R.T. 0.05 min

Lab File: BF089898.D

Acq: 25 Aug 2016 3:19

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1964477		
200	21.7	17.8	26.6	
203	28.7	14.2	21.4	





#78

Terphenyl-d14

Concen: 39.61 ng

RT: 12.82 min Scan# 983

Delta R.T. 0.04 min

Lab File: BF089898.D

Acq: 25 Aug 2016 3:19

Instrument :

BNA_F

ClientSampleId :

SB-21B-(3.6-5)

Tot Ion:244 Resp: 1377412

Ion Ratio Lower Upper

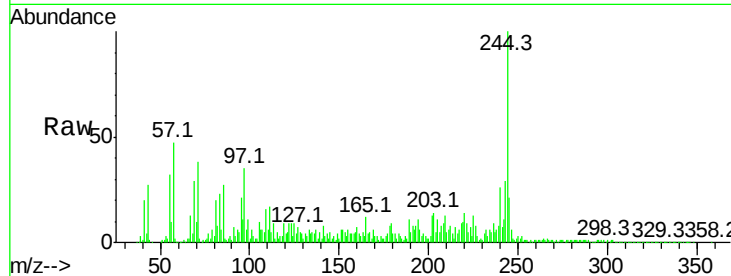
244 100

212 8.0 6.3 9.5

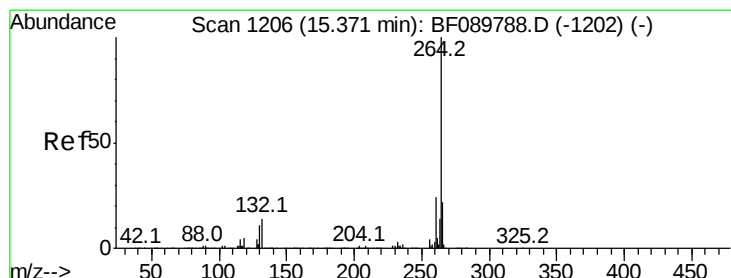
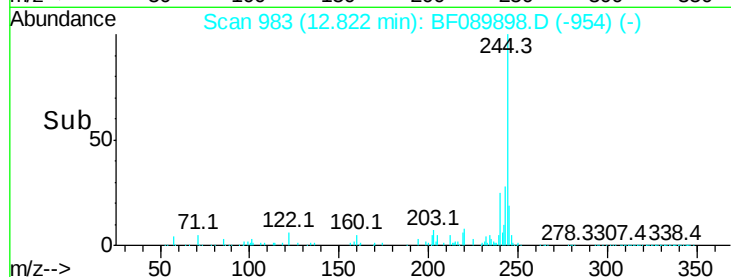
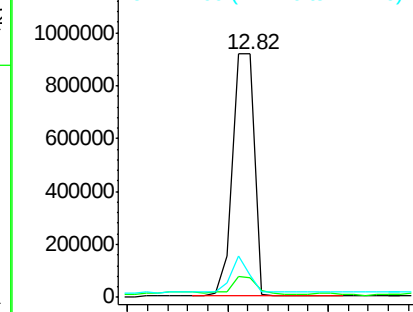
122 9.0 12.0 18.0#

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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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.33 min Scan# 1202

Delta R.T. -0.05 min

Lab File: BF089898.D

Acq: 25 Aug 2016 3:19

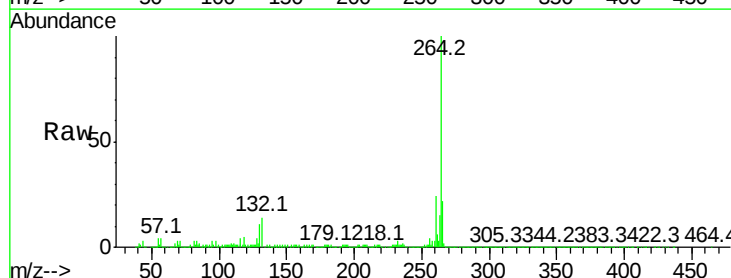
Tgt Ion:264 Resp: 954953

Ion Ratio Lower Upper

264 100

260 23.9 20.2 30.2

265 21.6 17.4 26.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

