

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
 Data File : BF089875.D
 Acq On : 24 Aug 2016 15:35
 Operator : UM/SJ
 Sample : H4551-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AST-6

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Quant Time: Aug 25 15:27:41 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	6.66	152	426783	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	1768061	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	794676	20.00	ng	-0.01
63) Phenanthrene-d10	11.18	188	1351991	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	1140943	20.00	ng	-0.01
86) Perylene-d12	15.38	264	959022	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	2732735	109.81	ng	-0.01
7) Phenol-d6	6.31	99	3673879	120.26	ng	-0.01
23) Nitrobenzene-d5	7.23	82	2078578	73.04	ng	-0.02
41) 2,4,6-Tribromophenol	10.49	330	743393	98.43	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	3880484	85.82	ng	-0.01
78) Terphenyl-d14	12.78	244	2765975	54.84	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.43	163	1144567	20.46	ng	99
70) Phenanthrene	11.20	178	755972	11.07	ng	99
71) Anthracene	11.26	178	145910m	2.10	ng	
73) Di-n-butylphthalate	11.76	149	172182	2.21	ng	98
74) Fluoranthene	12.39	202	1133249	17.45	ng	98
77) Pyrene	12.62	202	950402	10.23	ng	98
80) Benzo(a)anthracene	13.85	228	485001	7.42	ng	99
82) Chrysene	13.90	228	406608	7.26	ng	97
85) Indeno(1,2,3-cd)pyrene	16.66	276	164720	2.30	ng	93
87) Benzo(b)fluoranthene	14.98	252	517727m	9.81	ng	
88) Benzo(k)fluoranthene	15.01	252	99346m	2.08	ng	
89) Benzo(a)pyrene	15.33	252	295136m	5.91	ng	
91) Benzo(g,h,i)perylene	17.04	276	155346	2.72	ng	94

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

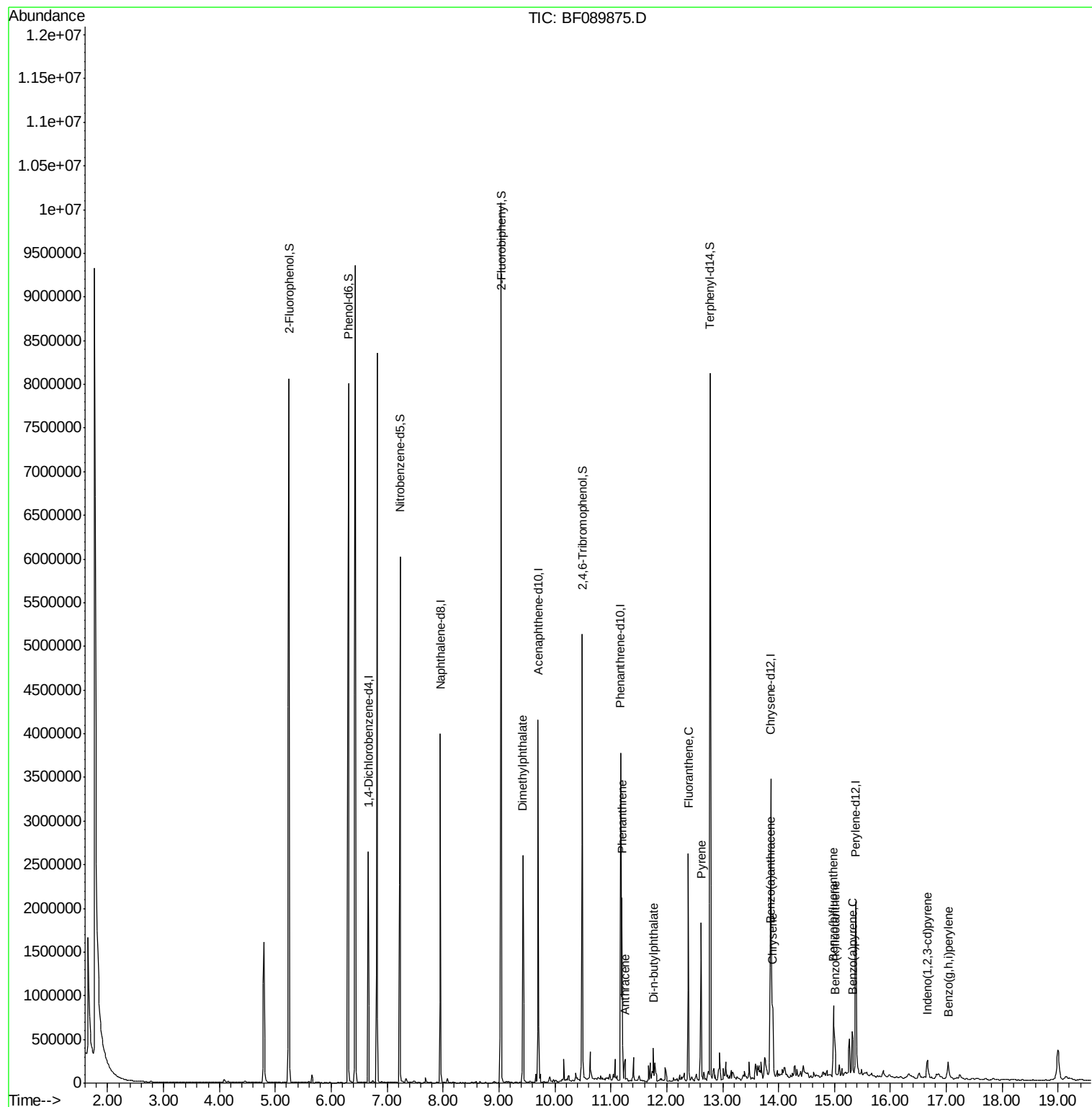
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
Data File : BF089875.D
Acq On : 24 Aug 2016 15:35
Operator : UM/SJ
Sample : H4551-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

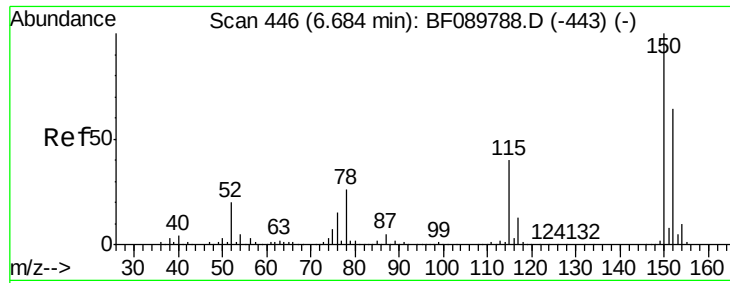
Instrument :
BNA_F
ClientSampleId :
AST-6

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Quant Time: Aug 25 15:27:41 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

RT: 6.66 min Scan# 444

Delta R.T. -0.02 min

Lab File: BF089875.D

Acq: 24 Aug 2016 15:35

Instrument :

BNA_F

ClientSampleId :

AST-6

Tgt Ion:152 Resp: 426783

Ion Ratio Lower Upper

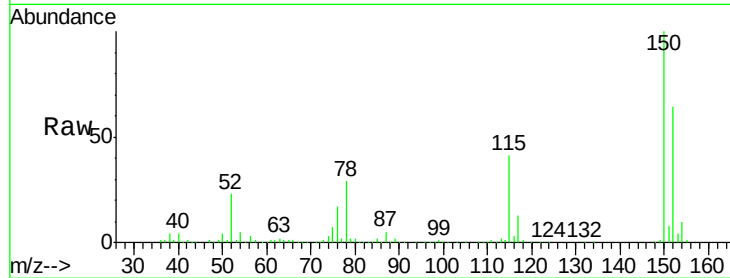
152 100

150 156.8 125.3 187.9

115 64.7 40.9 61.3

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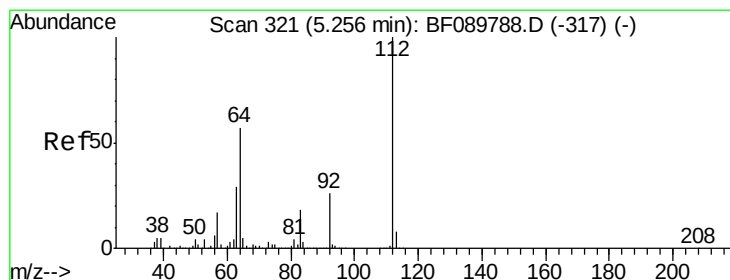
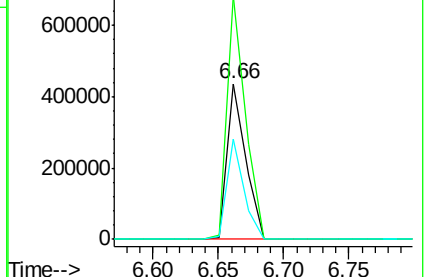
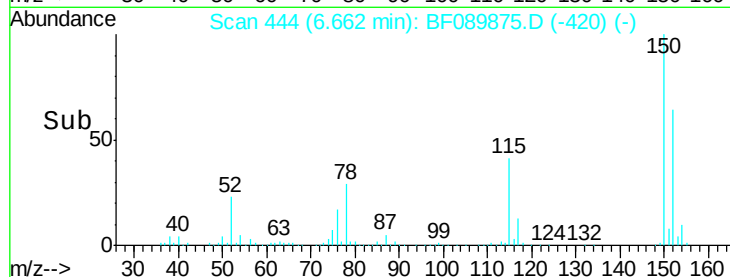
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 109.81 ng

RT: 5.24 min Scan# 320

Delta R.T. -0.01 min

Lab File: BF089875.D

Acq: 24 Aug 2016 15:35

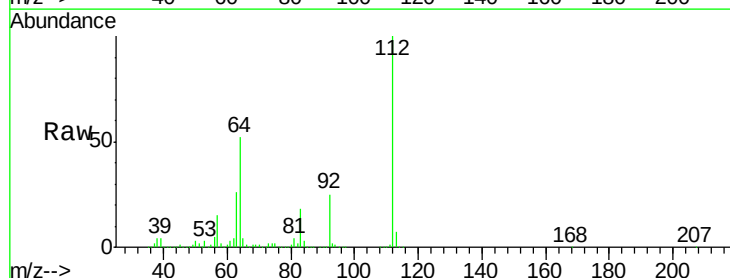
Tgt Ion:112 Resp: 2732735

Ion Ratio Lower Upper

112 100

64 51.5 45.0 67.4

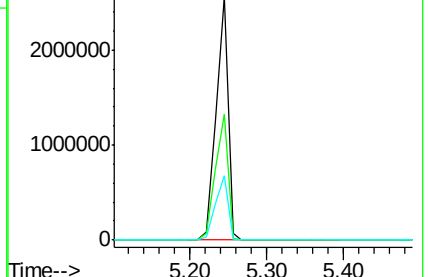
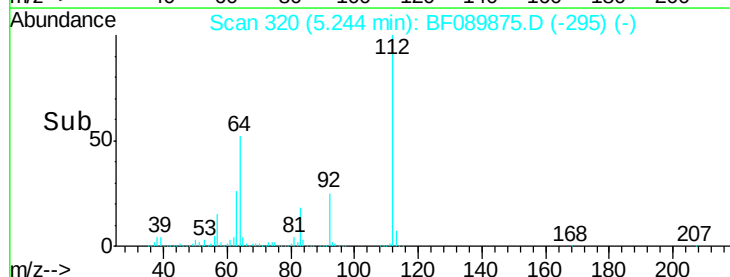
63 26.4 23.1 34.7

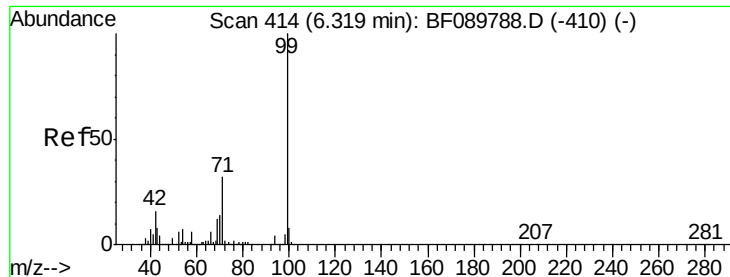


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 120.26 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF089875.D

Acq: 24 Aug 2016 15:35

Instrument :

BNA_F

ClientSampleId :

AST-6

Tgt Ion: 99 Resp: 3673879

Ion Ratio Lower Upper

99 100

42 13.5 12.2 18.4

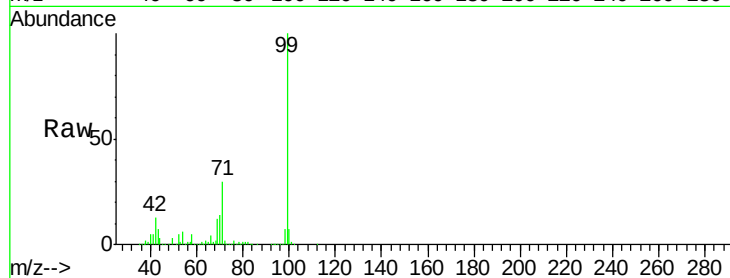
71 30.3 23.8 35.8

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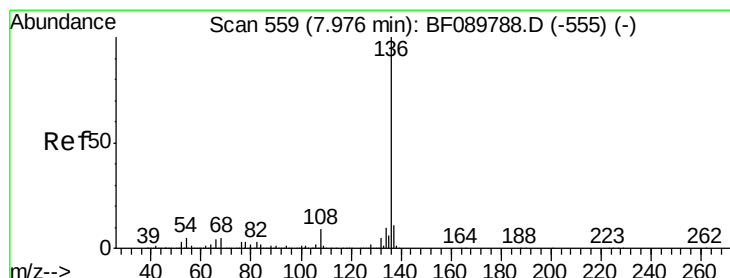
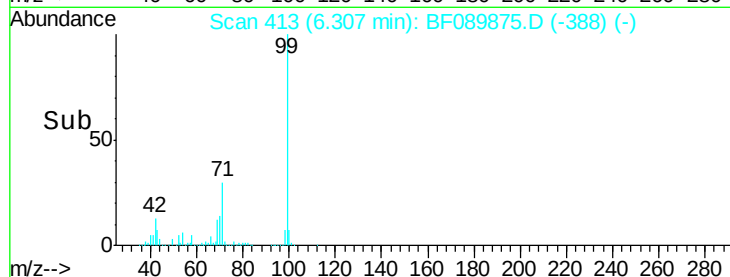
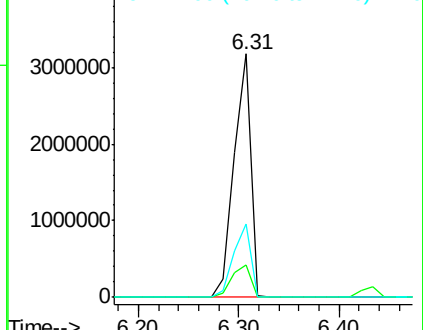
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Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 7.95 min Scan# 557

Delta R.T. -0.02 min

Lab File: BF089875.D

Acq: 24 Aug 2016 15:35

Tgt Ion: 136 Resp: 1768061

Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 5.8 7.2 10.8#

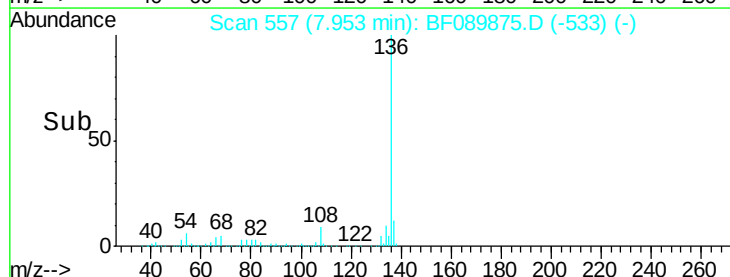
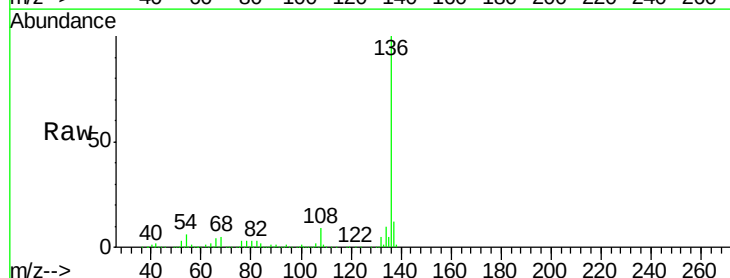
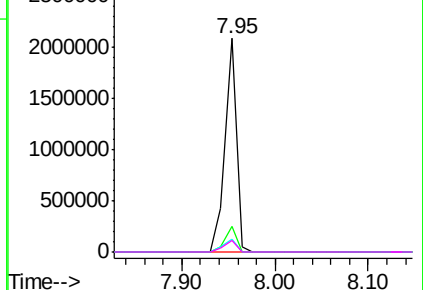
68 5.4 5.8 8.8#

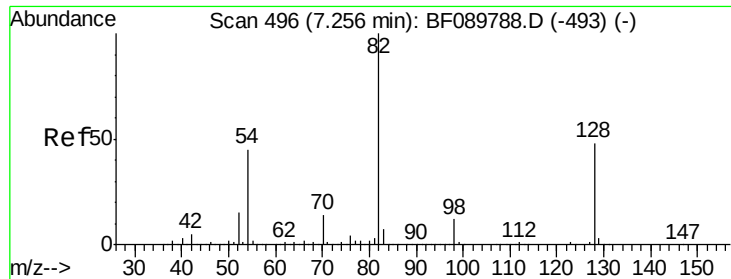
Abundance Ion 136.00 (135.70 to 136.70): E

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





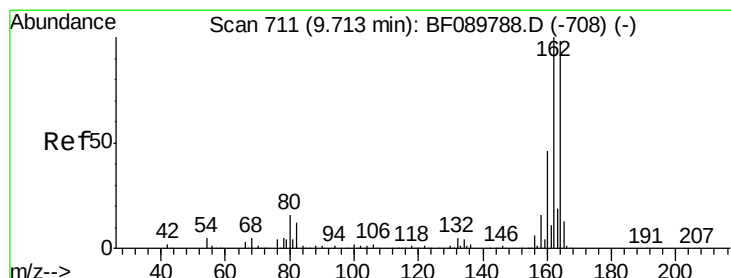
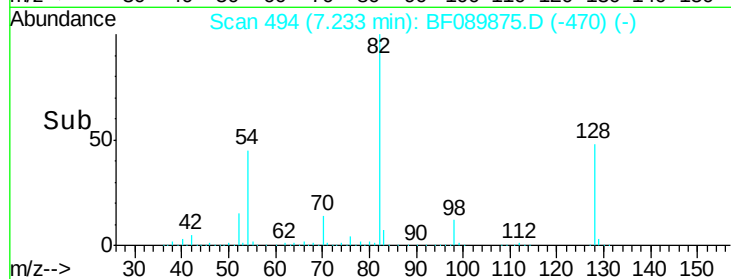
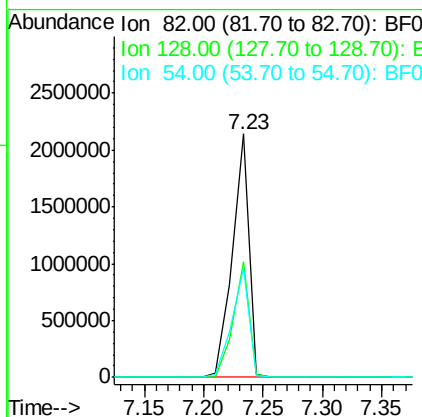
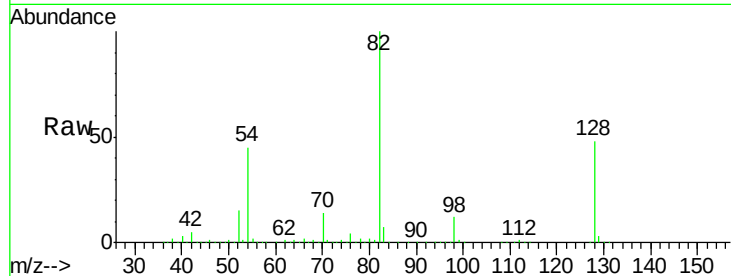
#23
 Nitrobenzene-d5
 Concen: 73.04 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.02 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Instrument :
 BNA_F
 ClientSampled :
 AST-6

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.7	34.4	51.6
54	44.7	40.3	60.5

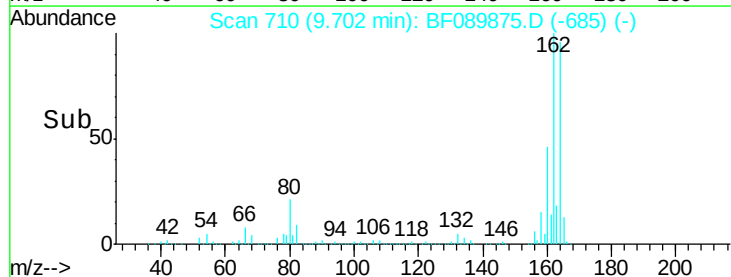
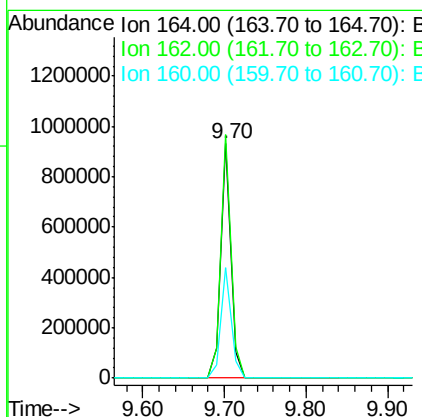
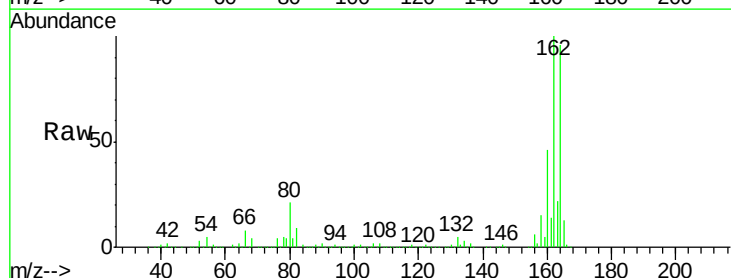
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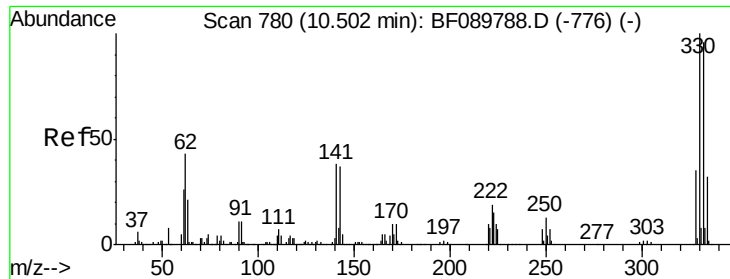
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	81.4	122.2
160	47.3	37.8	56.6





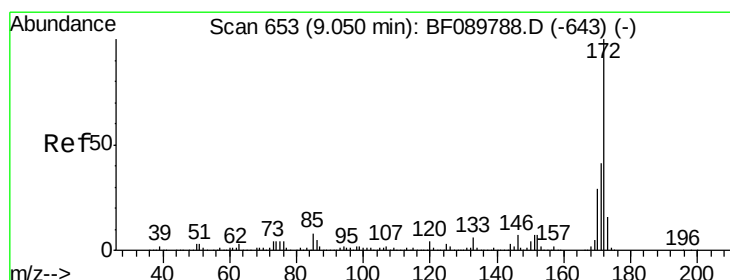
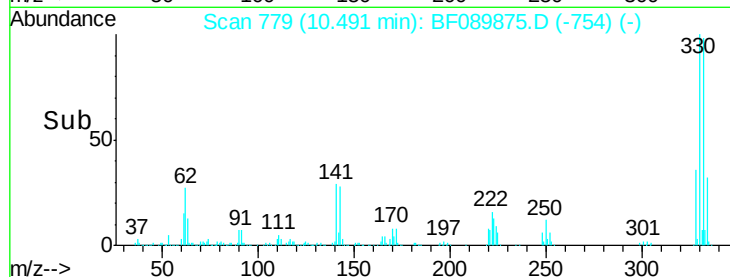
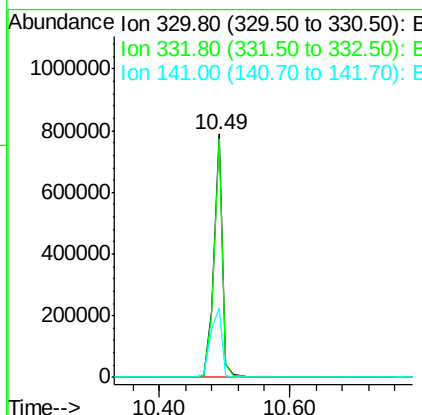
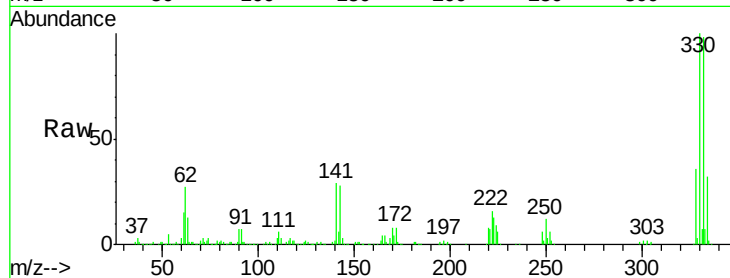
#41
 2,4,6-Tribromophenol
 Concen: 98.43 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Instrument :
 BNA_F
 ClientSampled :
 AST-6

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	743393		
332	97.3	76.7	115.1	
141	37.4	30.2	45.2	

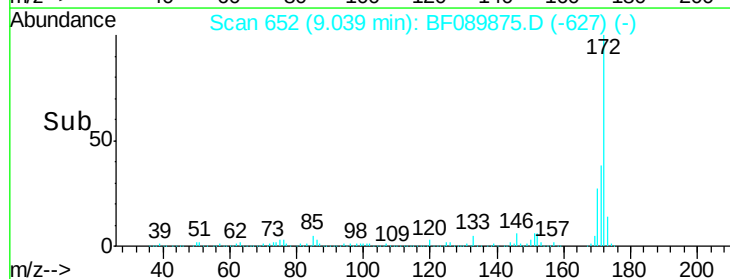
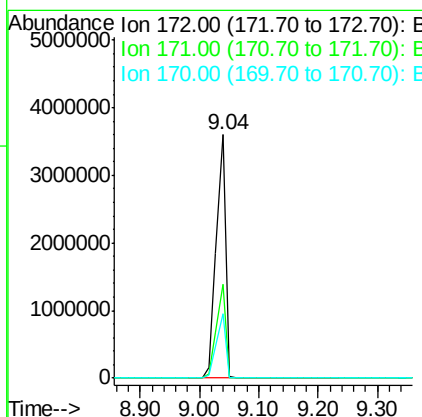
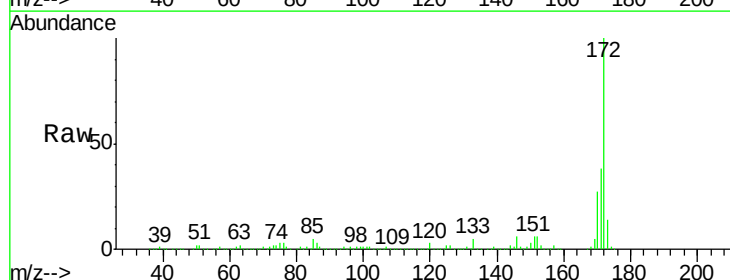
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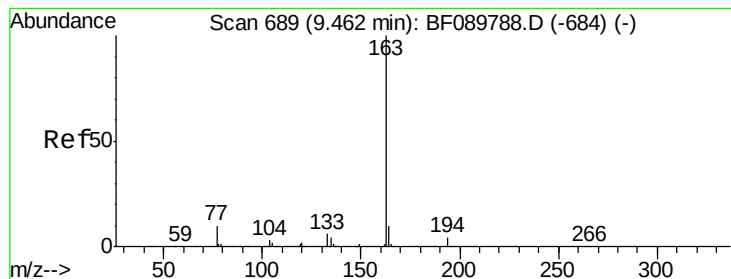
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#44
 2-Fluorobiphenyl
 Concen: 85.82 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	3880484		
171	38.3	30.5	45.7	
170	26.6	20.6	31.0	





#49

Dimethylphthalate

Concen: 20.46 ng

RT: 9.43 min Scan# 686

Delta R.T. -0.03 min

Lab File: BF089875.D

Acq: 24 Aug 2016 15:35

Instrument :

BNA_F

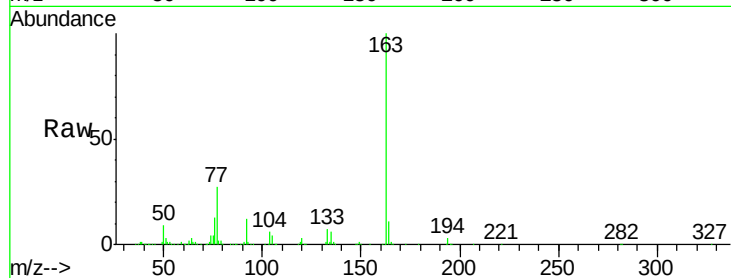
ClientSampled :

AST-6

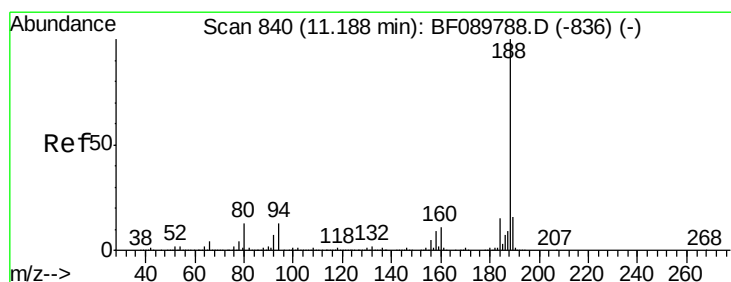
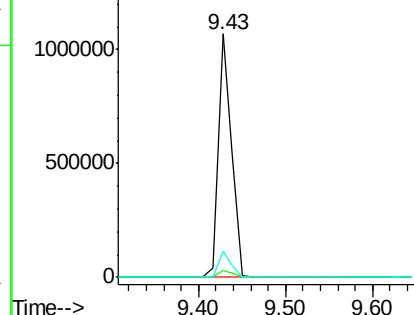
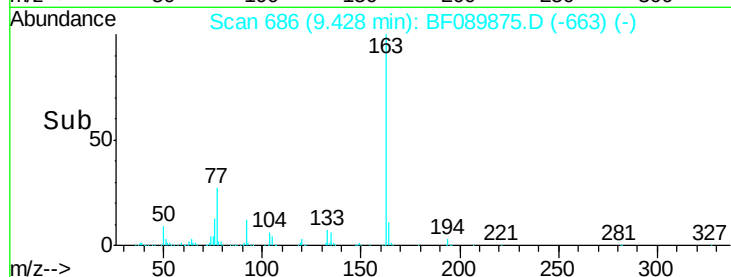
Tgt Ion:	163	Resp:	1144567
Ion	Ratio	Lower	Upper
163	100		
194	2.8	2.6	3.8
164	10.9	8.6	12.8

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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

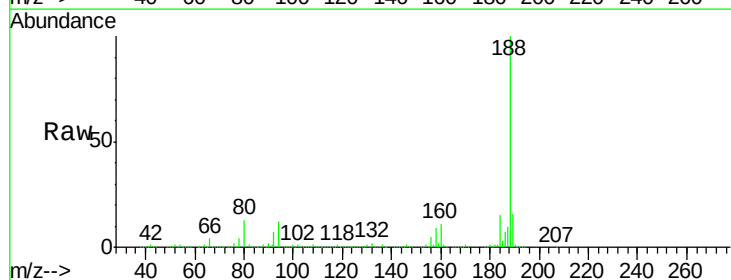
RT: 11.18 min Scan# 839

Delta R.T. -0.01 min

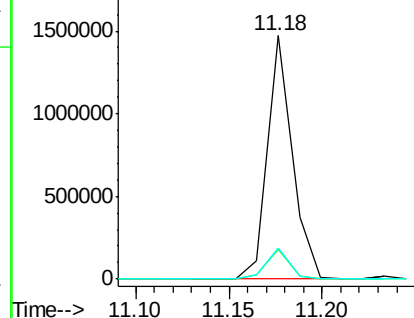
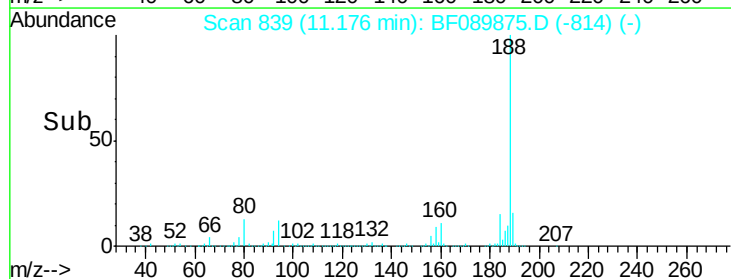
Lab File: BF089875.D

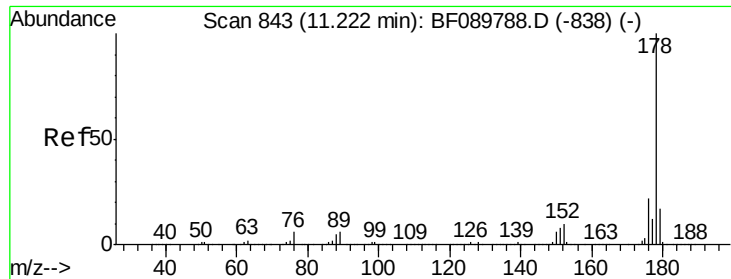
Acq: 24 Aug 2016 15:35

Tgt Ion:	188	Resp:	1351991
Ion	Ratio	Lower	Upper
188	100		
94	12.2	10.2	15.2
80	12.6	10.9	16.3



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





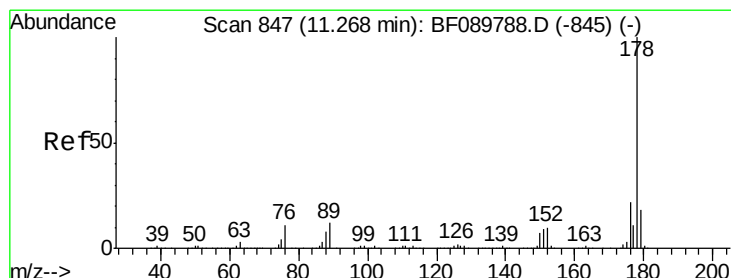
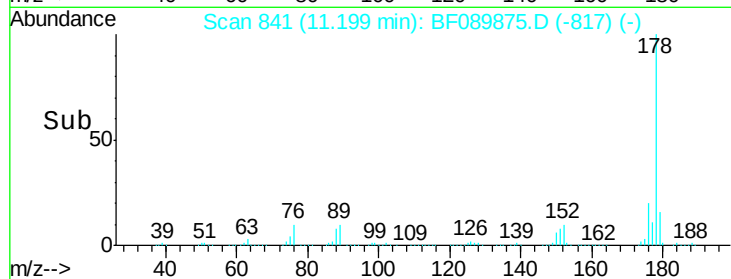
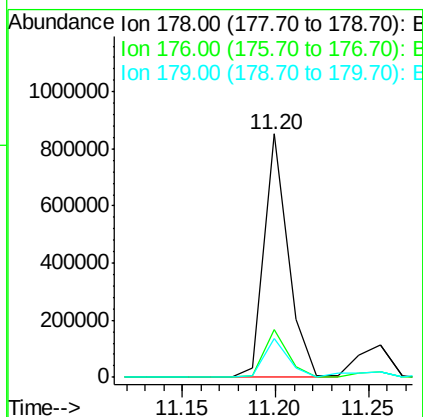
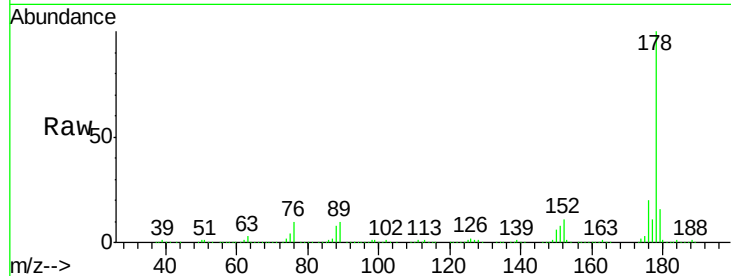
#70
Phenanthrene
Concen: 11.07 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.02 min
Lab File: BF089875.D
Acq: 24 Aug 2016 15:35

Instrument :
BNA_F
ClientSampled :
AST-6

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.4	24.6
179	16.0	12.5	18.7

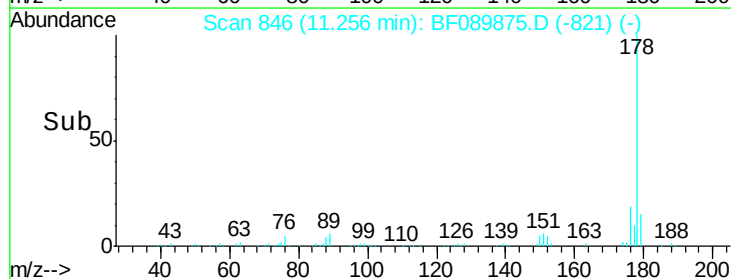
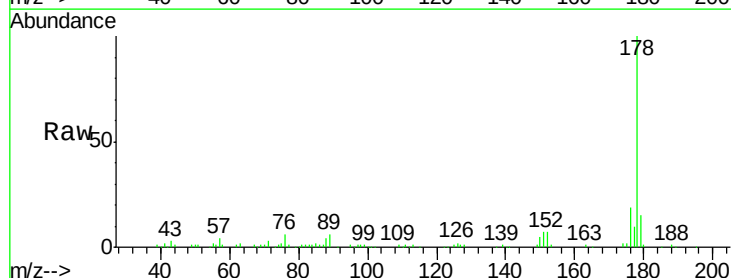
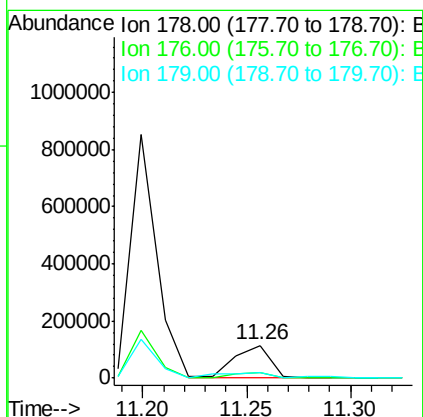
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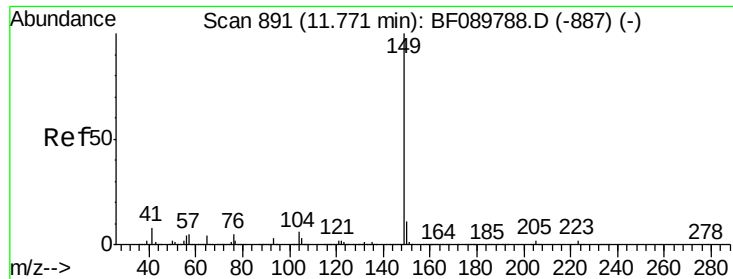
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#71
Anthracene
Concen: 2.10 ng m
RT: 11.26 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF089875.D
Acq: 24 Aug 2016 15:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.4	24.6
179	15.1	13.1	19.7





#73

Di-n-butylphthalate

Concen: 2.21 ng

RT: 11.76 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF089875.D

Acq: 24 Aug 2016 15:35

Instrument :

BNA_F

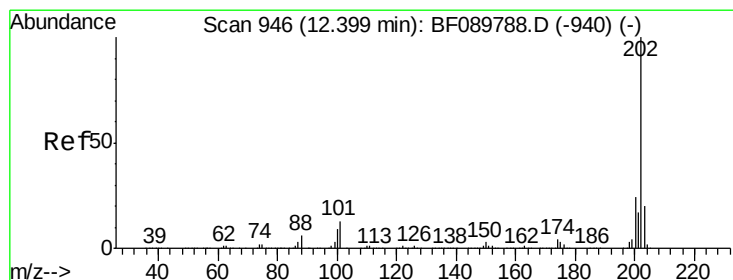
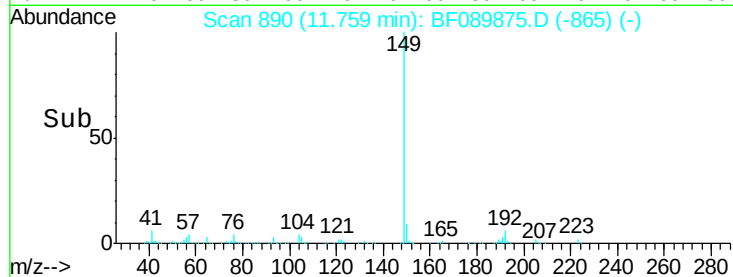
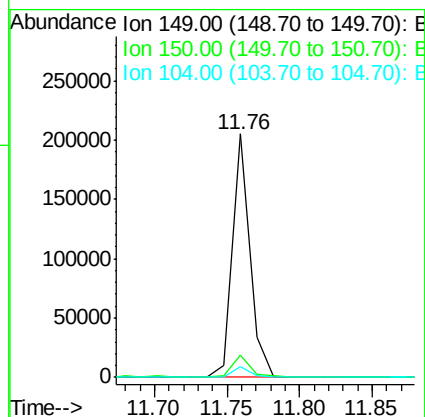
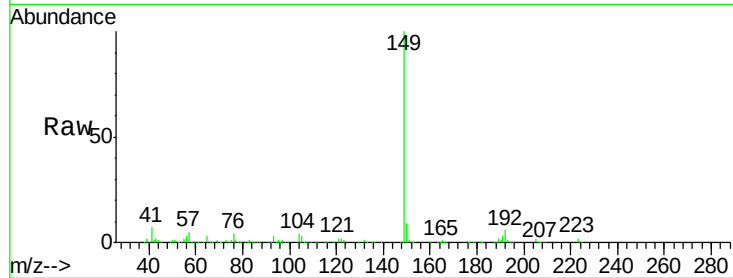
ClientSampled :

AST-6

Tgt Ion:	149	Resp:	172182
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.9	11.9
104	4.5	4.3	6.5

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#74

Fluoranthene

Concen: 17.45 ng

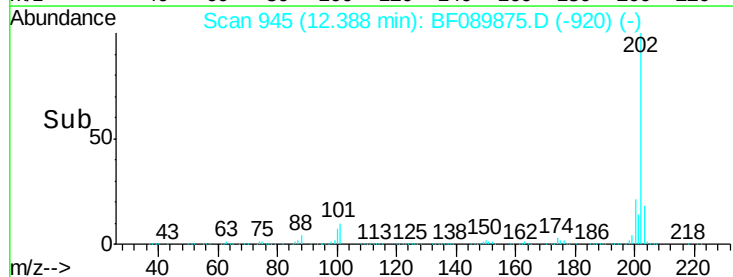
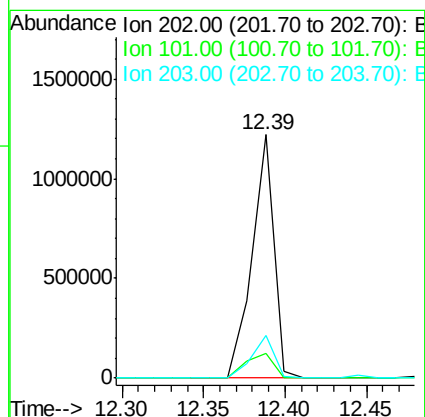
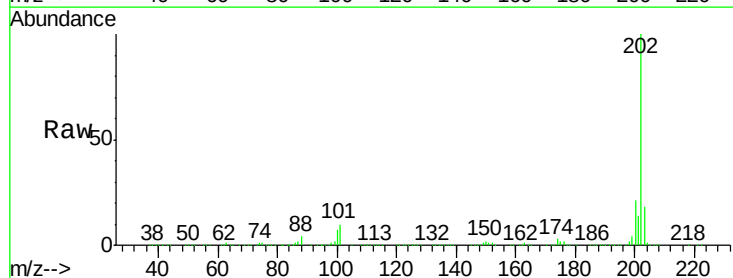
RT: 12.39 min Scan# 945

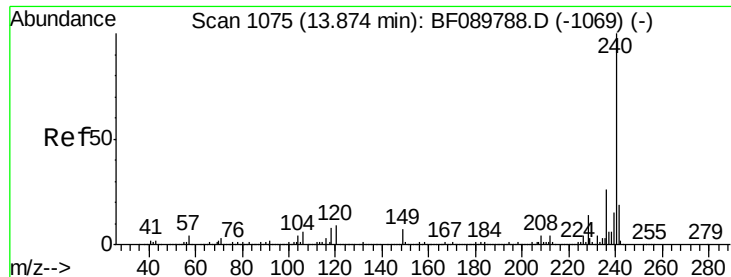
Delta R.T. -0.01 min

Lab File: BF089875.D

Acq: 24 Aug 2016 15:35

Tgt Ion:	202	Resp:	1133249
Ion Ratio	Lower	Upper	
202	100		
101	10.0	0.0	31.2
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1074

Delta R.T. -0.01 min

Lab File: BF089875.D

Acq: 24 Aug 2016 15:35

Instrument :

BNA_F

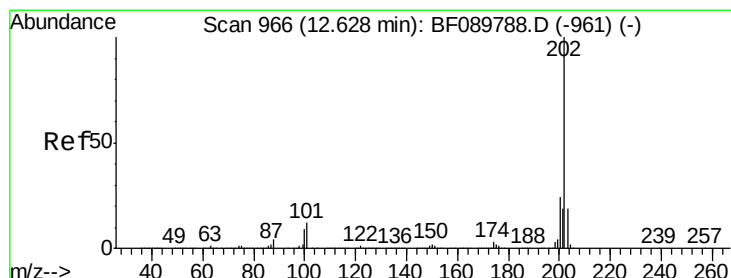
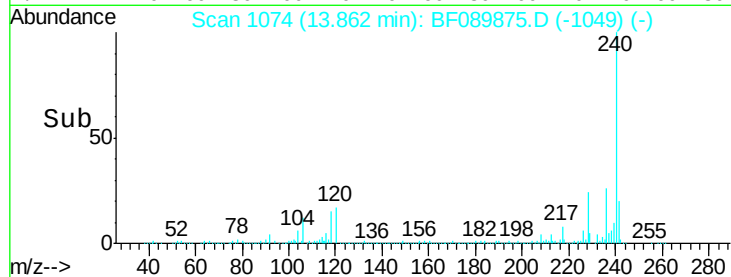
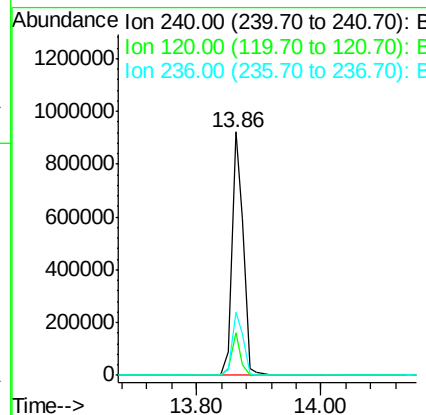
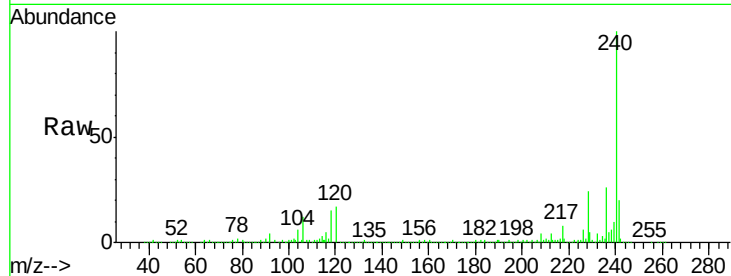
ClientSampleId :

AST-6

Tgt Ion:240 Resp: 1140943
 Ion Ratio Lower Upper
 240 100
 120 17.4 8.3 12.5#
 236 26.2 21.3 31.9

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#77

Pyrene

Concen: 10.23 ng

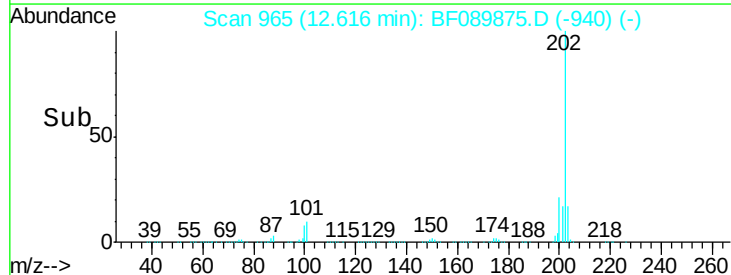
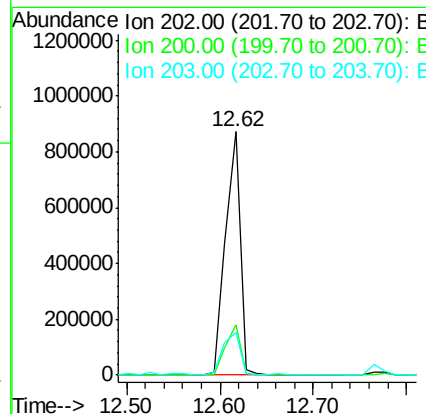
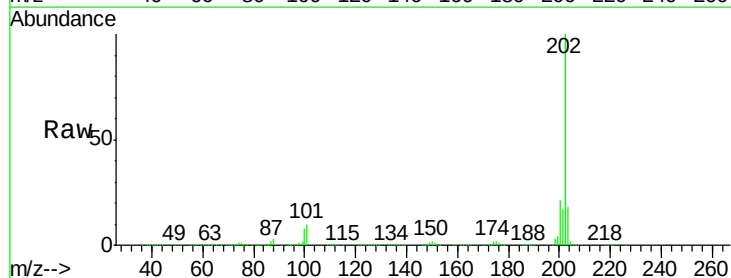
RT: 12.62 min Scan# 965

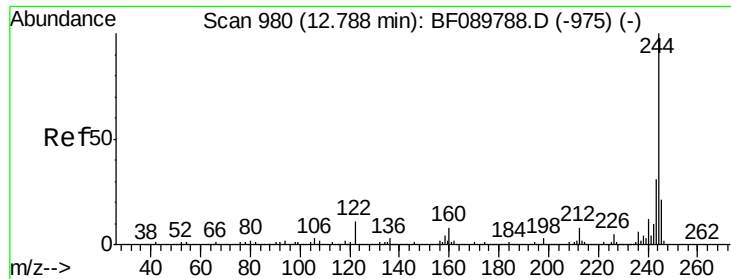
Delta R.T. -0.01 min

Lab File: BF089875.D

Acq: 24 Aug 2016 15:35

Tgt Ion:202 Resp: 950402
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.8 26.6
 203 17.6 14.2 21.4





#78

Terphenyl-d14

Concen: 54.84 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF089875.D

Acq: 24 Aug 2016 15:35

Instrument :

BNA_F

ClientSampleId :

AST-6

Tgt Ion:244 Resp: 2765975

Ion Ratio Lower Upper

244 100

212 8.1 6.3 9.5

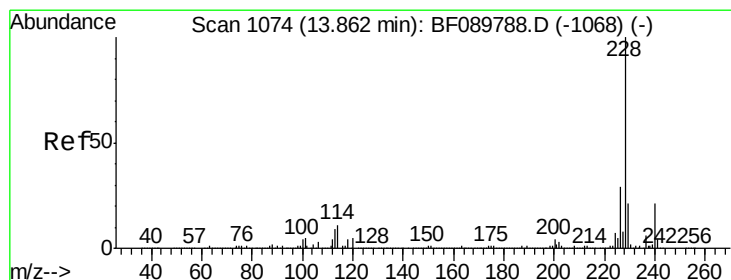
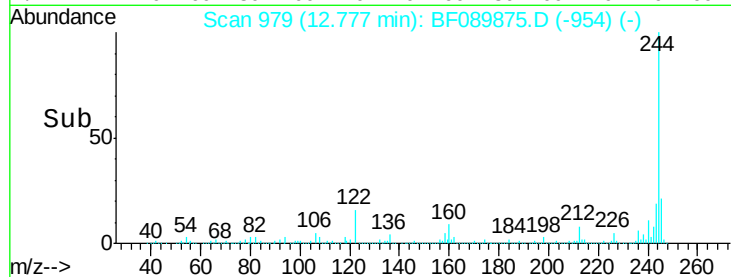
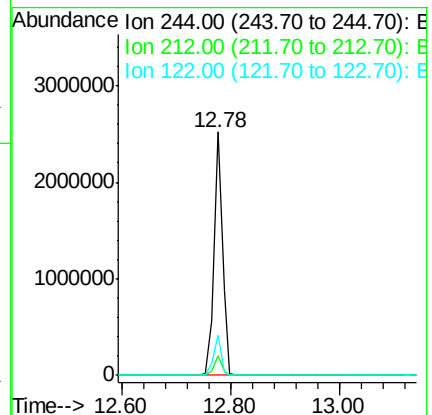
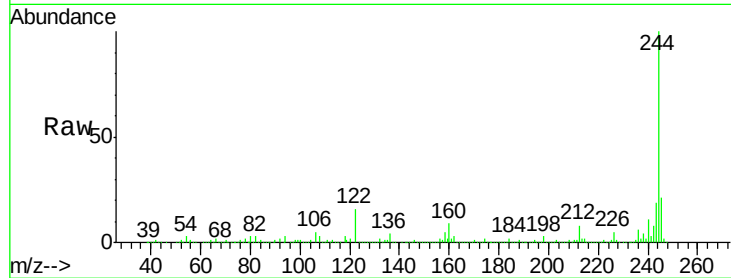
122 16.2 12.0 18.0

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#80

Benzo(a)anthracene

Concen: 7.42 ng

RT: 13.85 min Scan# 1073

Delta R.T. -0.01 min

Lab File: BF089875.D

Acq: 24 Aug 2016 15:35

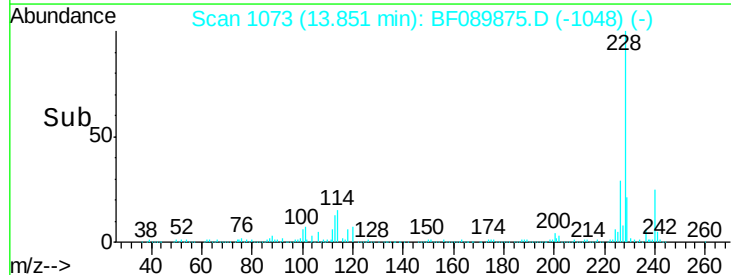
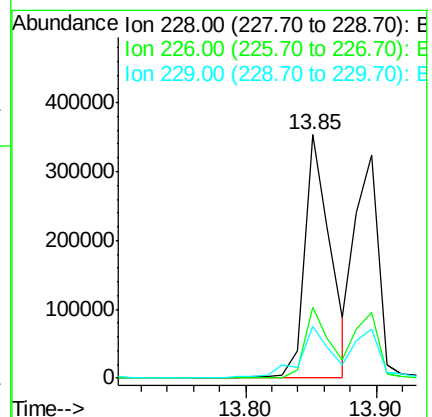
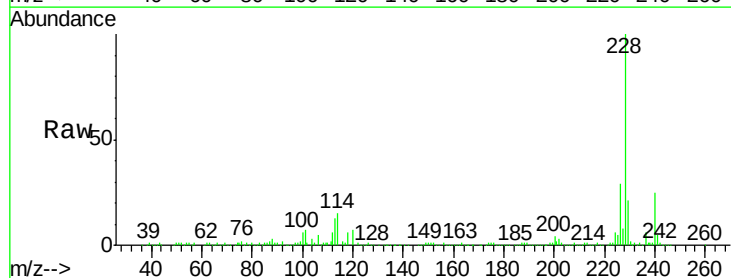
Tgt Ion:228 Resp: 485001

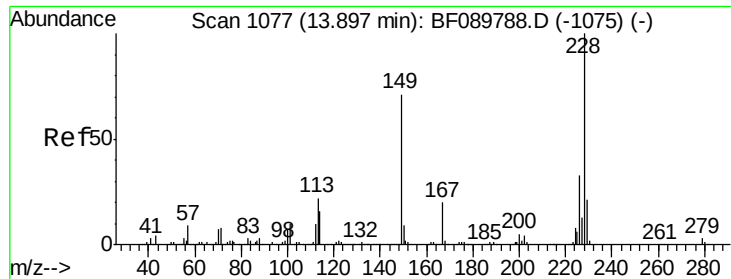
Ion Ratio Lower Upper

228 100

226 29.0 23.2 34.8

229 21.2 16.2 24.4





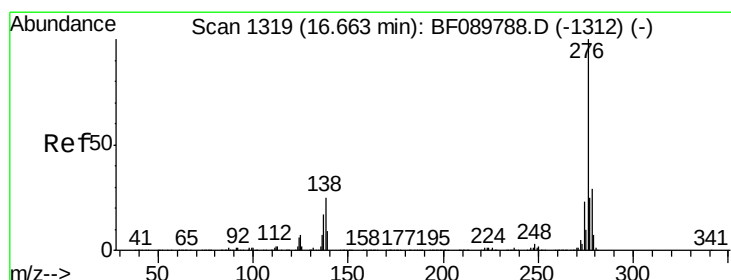
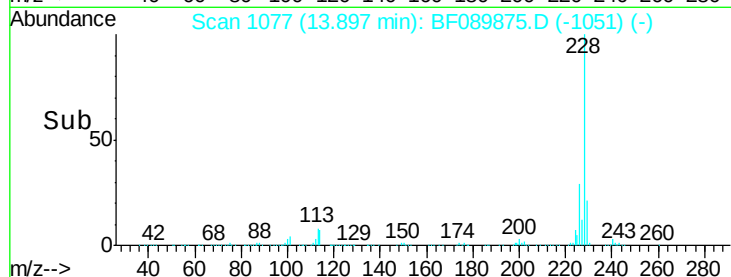
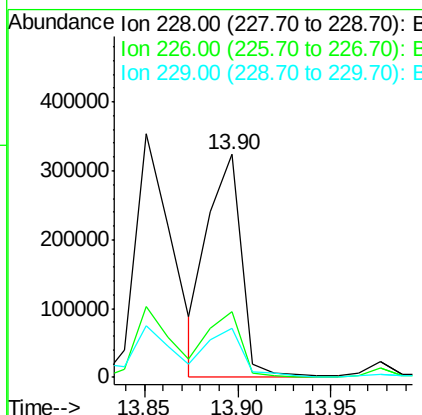
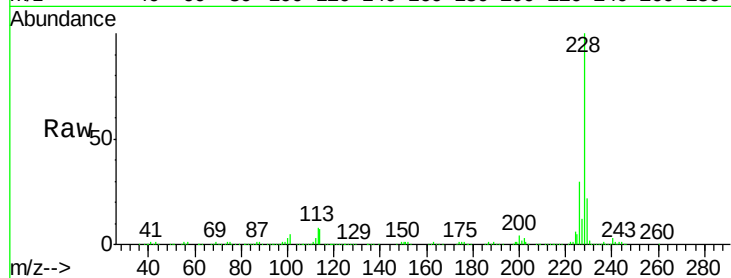
#82
Chrysene
Concen: 7.26 ng
RT: 13.90 min Scan# 1077
Delta R.T. 0.00 min
Lab File: BF089875.D
Acq: 24 Aug 2016 15:35

Instrument :
BNA_F
ClientSampleId :
AST-6

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.4	38.0
229	21.8	16.5	24.7

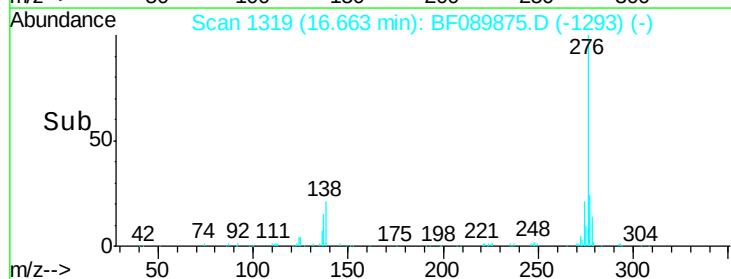
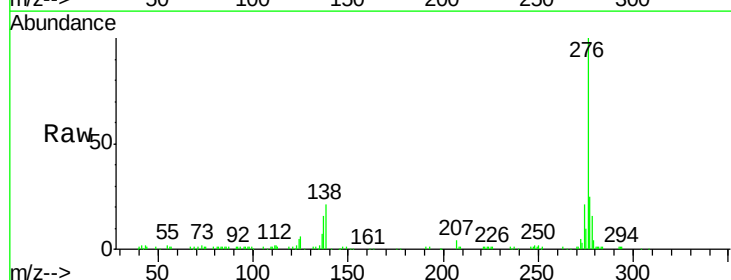
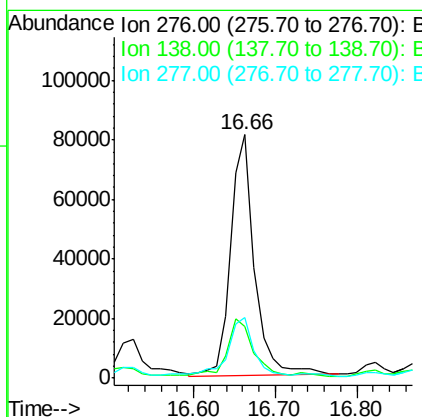
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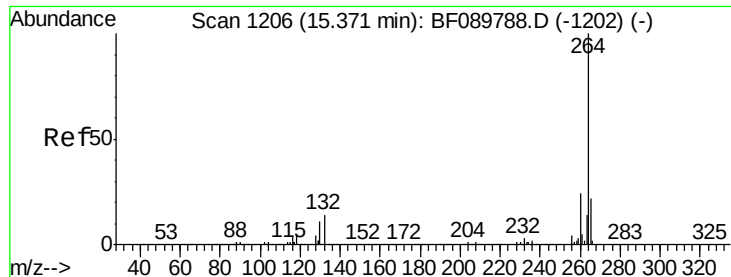
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.30 ng
RT: 16.66 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF089875.D
Acq: 24 Aug 2016 15:35

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.2	24.6	36.8
277	27.1	20.4	30.6





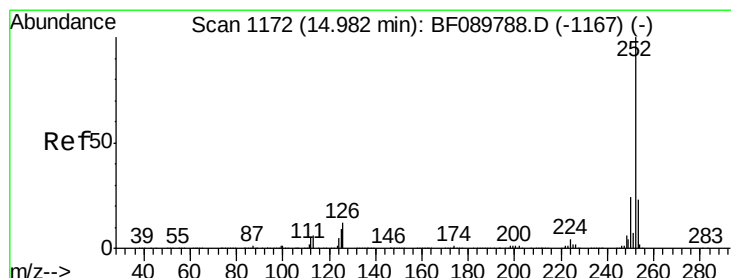
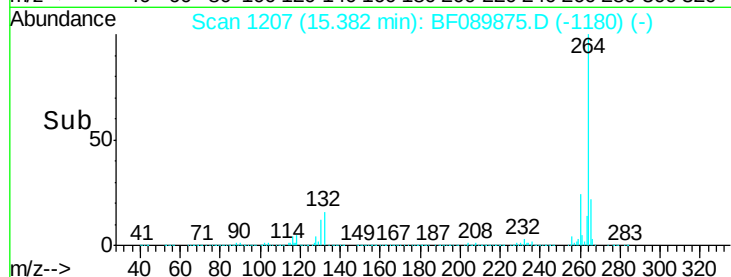
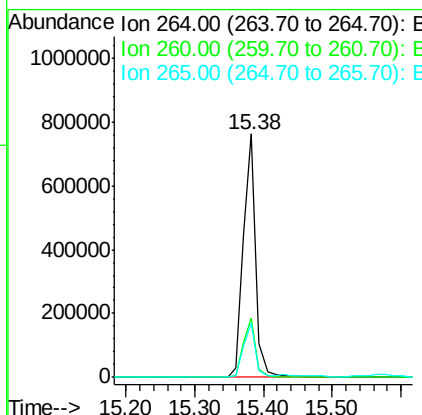
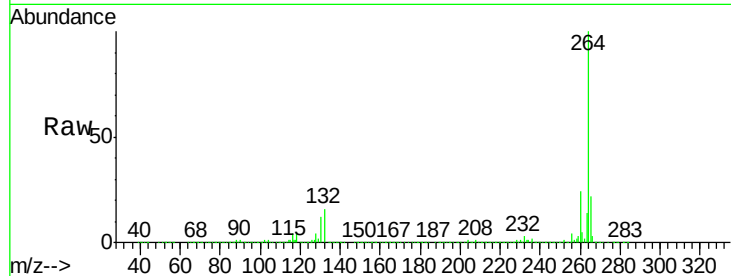
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.38 min Scan# 1207
Delta R.T. 0.01 min
Lab File: BF089875.D
Acq: 24 Aug 2016 15:35

Instrument :
BNA_F
ClientSampled :
AST-6

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	959022		
260	24.2	20.2	30.2	
265	22.0	17.4	26.2	

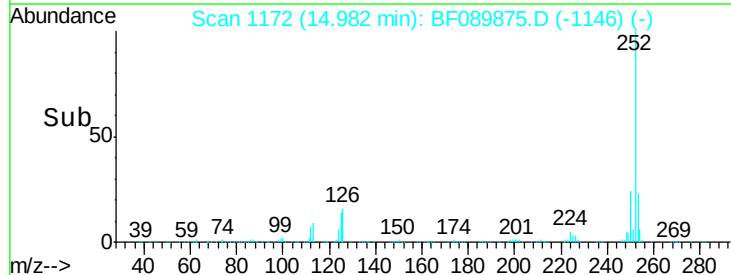
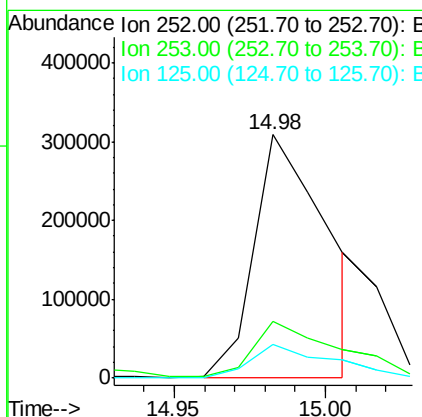
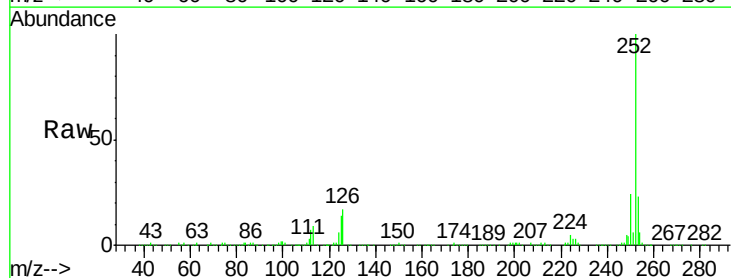
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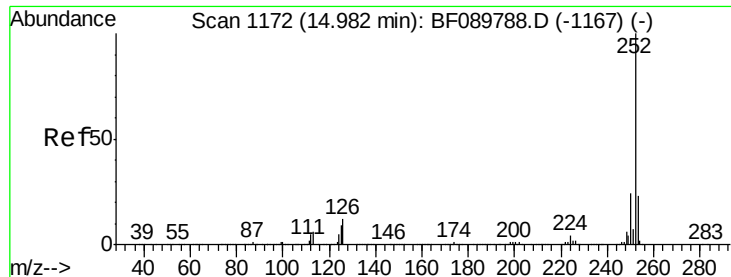
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#87
Benzo(b)fluoranthene
Concen: 9.81 ng m
RT: 14.98 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF089875.D
Acq: 24 Aug 2016 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	517727		
253	23.2	17.8	26.8	
125	13.7	11.4	17.2	





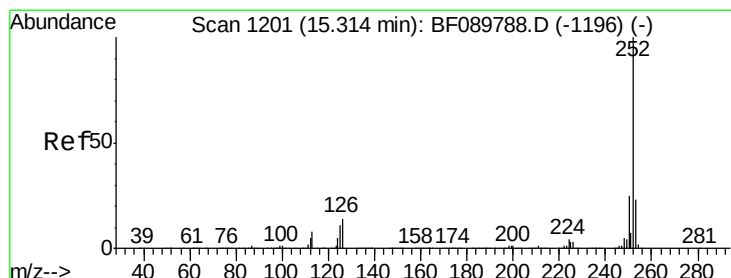
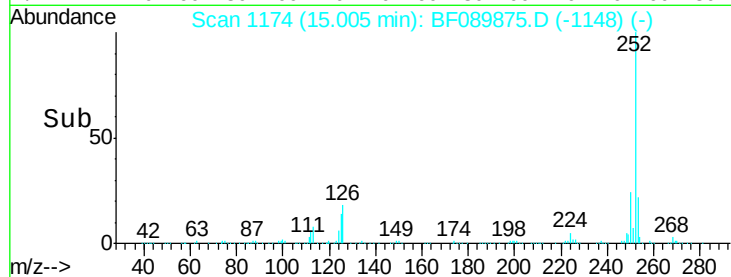
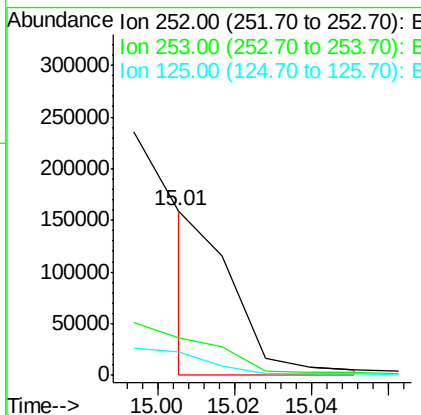
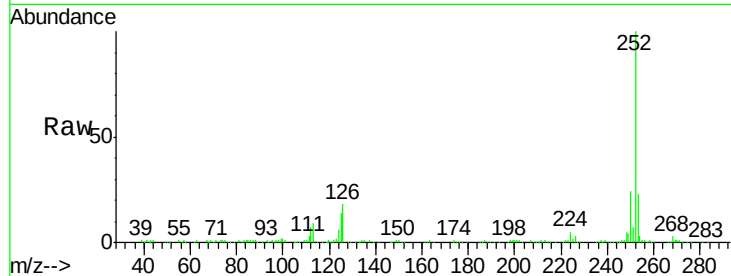
#88
Benzo(k)fluoranthene
Concen: 2.08 ng m
RT: 15.01 min Scan# 1174
Delta R.T. -0.00 min
Lab File: BF089875.D
Acq: 24 Aug 2016 15:35

Instrument :
BNA_F
ClientSampleId :
AST-6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	14.2	9.8	14.6

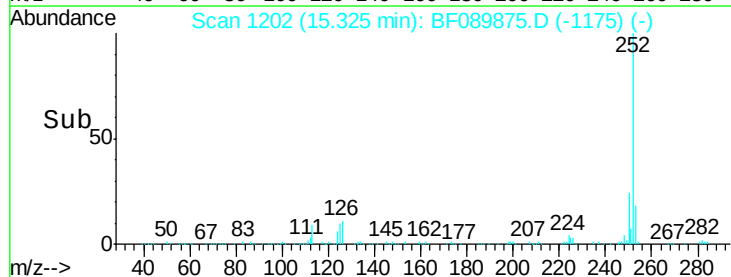
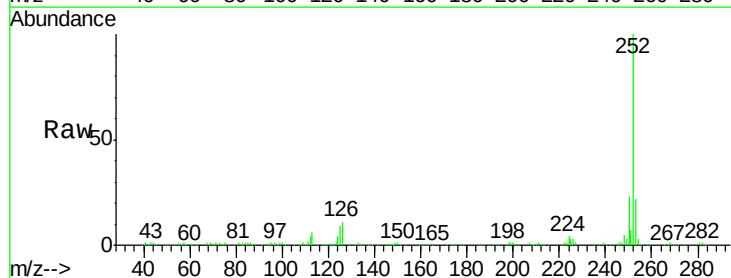
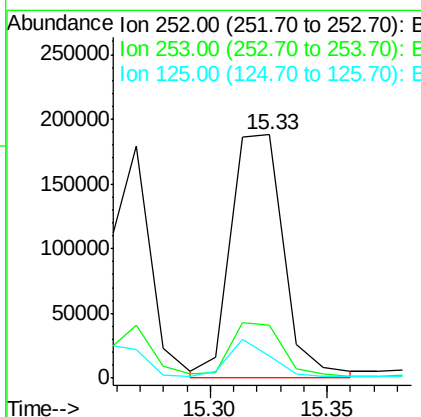
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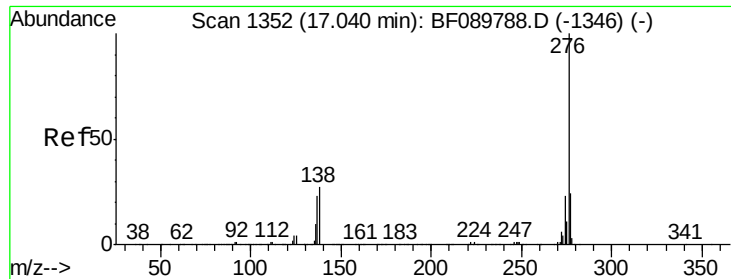
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#89
Benzo(a)pyrene
Concen: 5.91 ng m
RT: 15.33 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BF089875.D
Acq: 24 Aug 2016 15:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	8.9	11.7	17.5#





#91
 Benzo(g,h,i)perylene
 Concen: 2.72 ng
 RT: 17.04 min Scan# 1352
 Delta R.T. -0.00 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Instrument :
 BNA_F
 ClientSampleId :
 AST-6

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.2	28.8
138	22.5	22.1	33.1

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