

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
 Data File : BF079102.D
 Acq On : 10 May 2015 1:39
 Operator : TP/IZ
 Sample : G2155-03 5X
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-47AS

Manual Integrations
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Quant Time: May 12 11:35:17 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 11 01:50:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	67802	20.00	ng	0.00
21) Naphthalene-d8	8.89	136	276235	20.00	ng	0.00
38) Acenaphthene-d10	11.07	164	133629	20.00	ng	0.00
63) Phenanthrene-d10	12.91	188	231713	20.00	ng	0.00
75) Chrysene-d12	16.22	240	243847	20.00	ng	0.01
86) Perylene-d12	17.95	264	251957	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	101601	25.79	ng	0.00
7) Phenol-d6	6.88	99	140022	26.89	ng	0.00
23) Nitrobenzene-d5	8.01	82	75610	15.73	ng	0.00
41) 2,4,6-Tribromophenol	12.06	330	31714	21.94	ng	0.00
44) 2-Fluorobiphenyl	10.24	172	159403	16.62	ng	0.00
78) Terphenyl-d14	14.91	244	166014	16.30	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	11.11	154	19642	2.42	ng	98
57) Fluorene	11.76	166	21126	2.20	ng	99
70) Phenanthrene	12.95	178	322958	24.91	ng	100
71) Anthracene	13.02	178	69187	5.44	ng	98
74) Fluoranthene	14.43	202	400072	29.62	ng	91
77) Pyrene	14.71	202	379064	26.98	ng	98
80) Benzo(a)anthracene	16.21	228	171867m	12.87	ng	
82) Chrysene	16.25	228	161292m	12.56	ng	
85) Indeno(1,2,3-cd)pyrene	19.44	276	95284	5.82	ng	# 100
87) Benzo(b)fluoranthene	17.51	252	183816m	13.33	ng	
88) Benzo(k)fluoranthene	17.52	252	80396m	6.02	ng	
89) Benzo(a)pyrene	17.89	252	145610	11.47	ng	# 94
91) Benzo(a,h,i)perylene	19.87	276	92935	6.87	ng	96

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

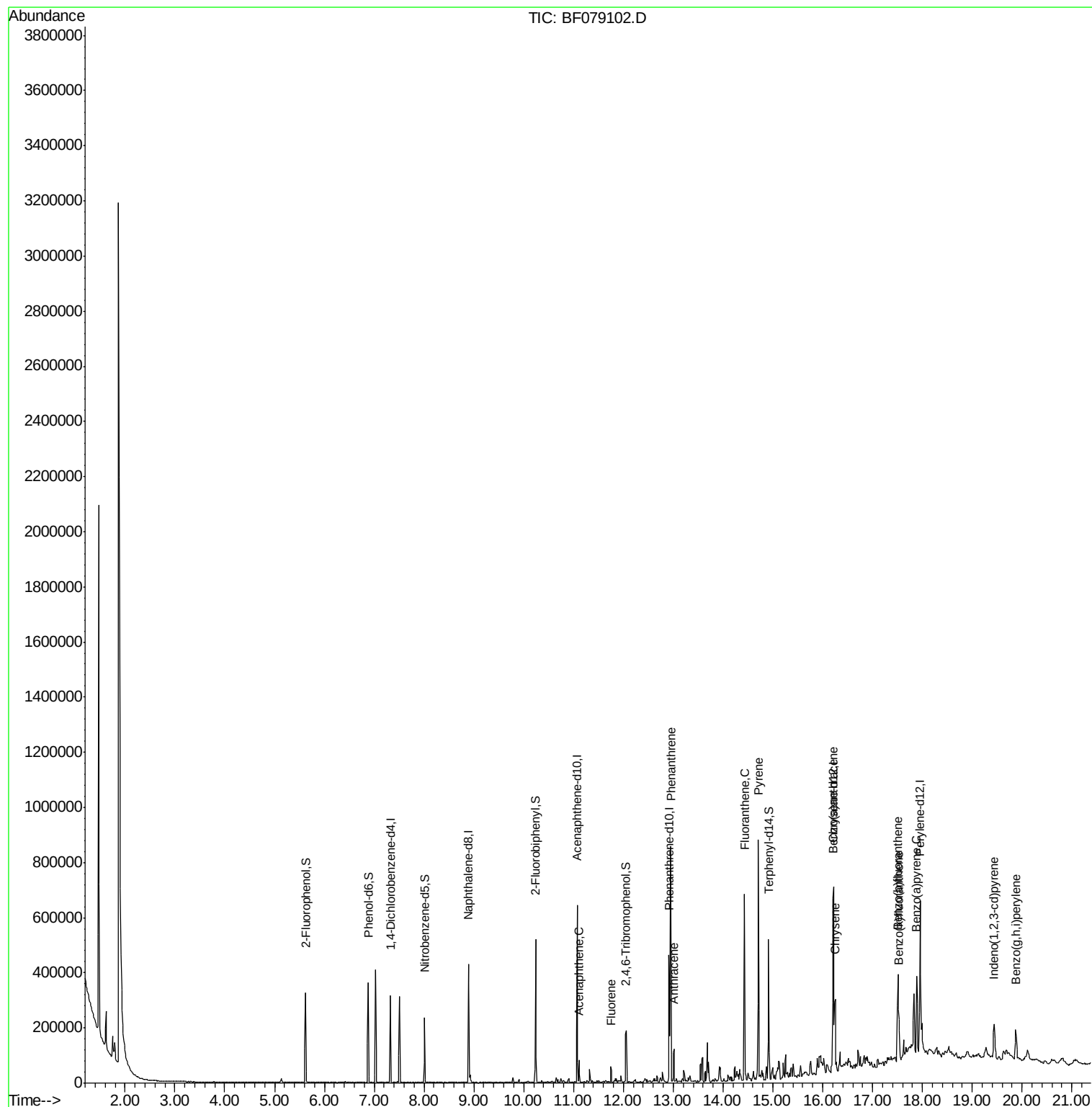
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079102.D
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Sample : G2155-03 5X
Misc :
ALS Vial : 61 Sample Multiplier: 1

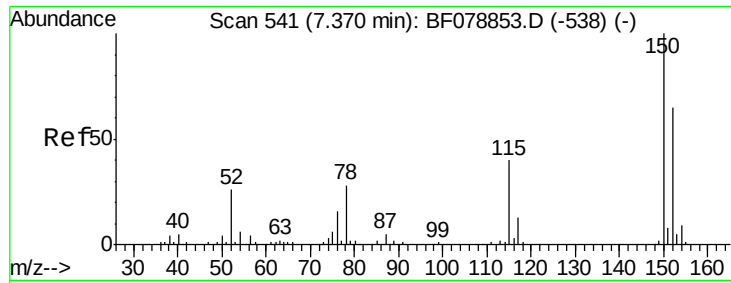
Instrument :
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SB-47AS

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#1

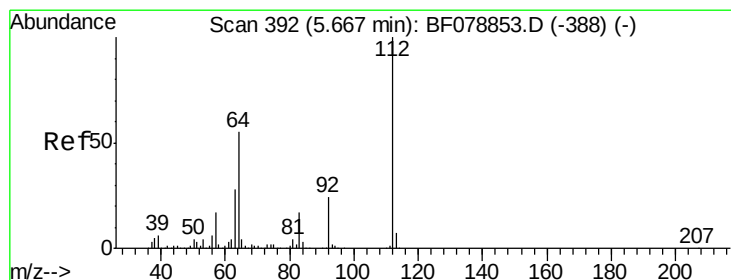
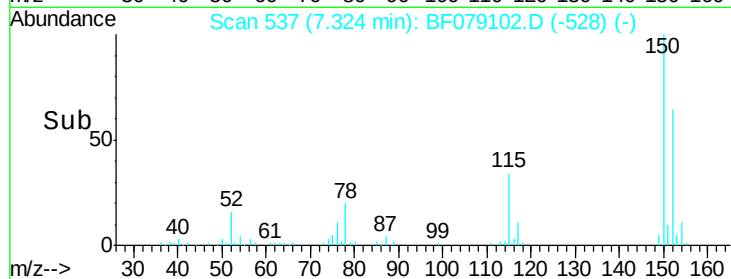
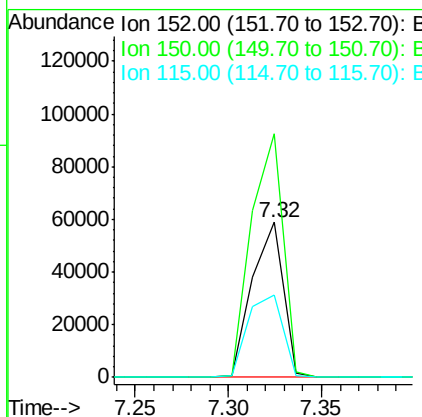
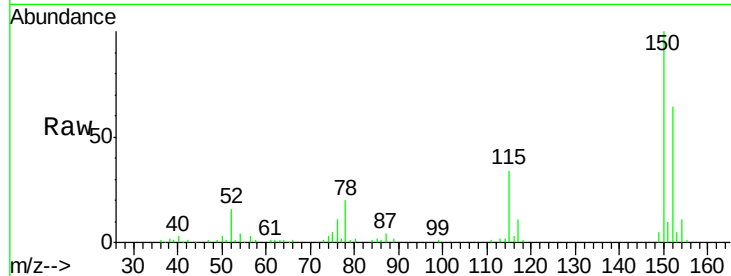
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.32 min Scan# 537
Delta R.T. -0.00 min
Lab File: BF079102.D
Acq: 10 May 2015 1:39

Instrument :
BNA_F
ClientSampleId :
SB-47AS

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	122.0	183.0
115	52.9	46.3	69.5

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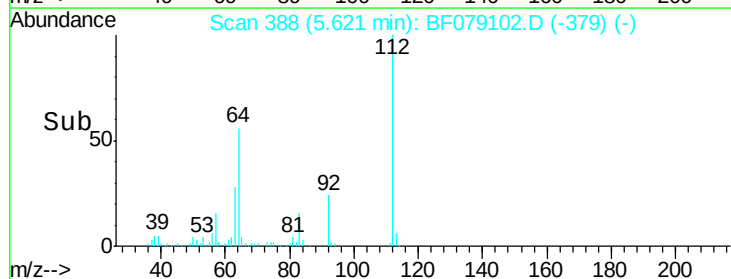
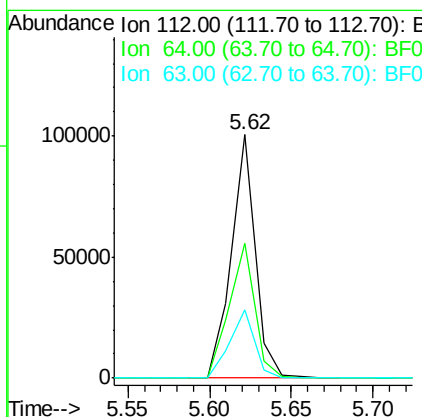
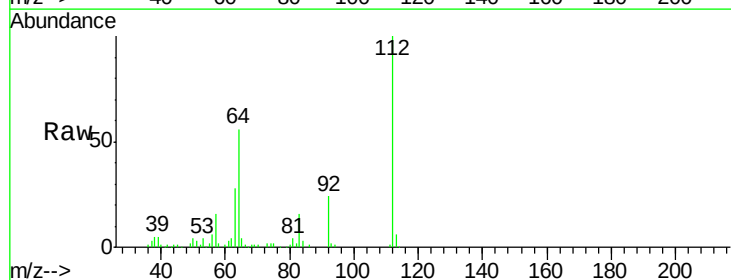
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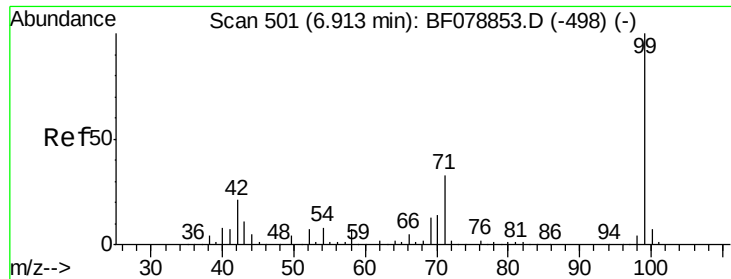


#5

2-Fluorophenol
Concen: 25.79 ng
RT: 5.62 min Scan# 388
Delta R.T. -0.00 min
Lab File: BF079102.D
Acq: 10 May 2015 1:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	53.5	80.3
63	27.8	27.5	41.3





#7

Phenol-d6

Concen: 26.89 ng

RT: 6.88 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

Instrument :

BNA_F

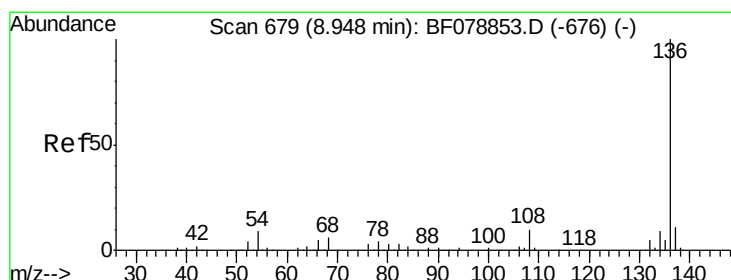
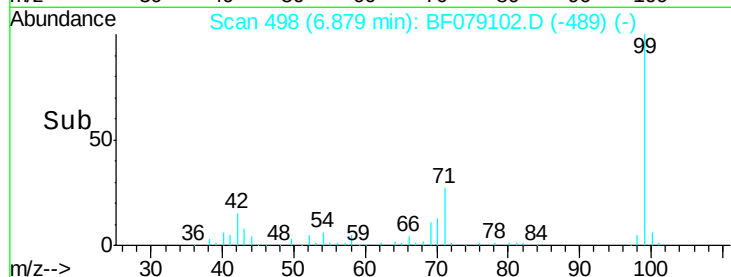
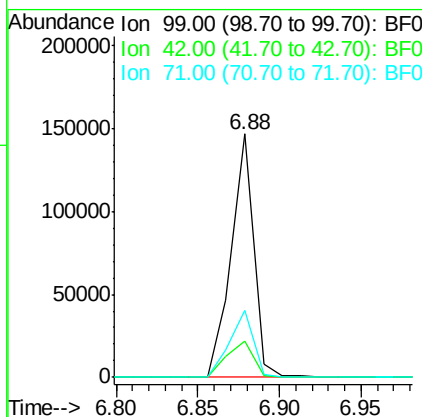
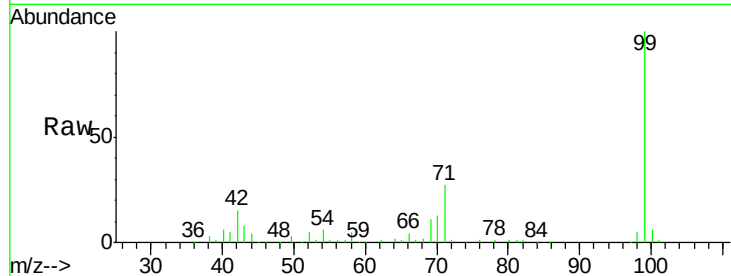
ClientSampleId :

SB-47AS

Tot Ion:	99	Resp:	140022
Ion Ratio	Lower	Upper	
99	100		
42	15.0	12.8	19.2
71	27.5	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

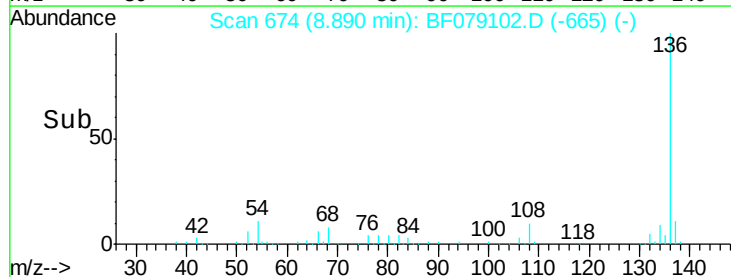
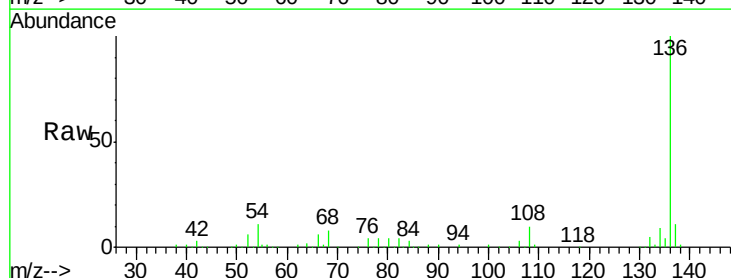
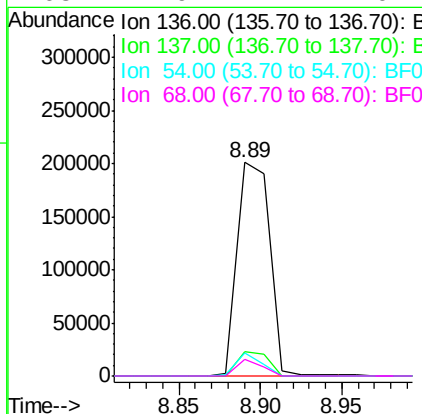
RT: 8.89 min Scan# 674

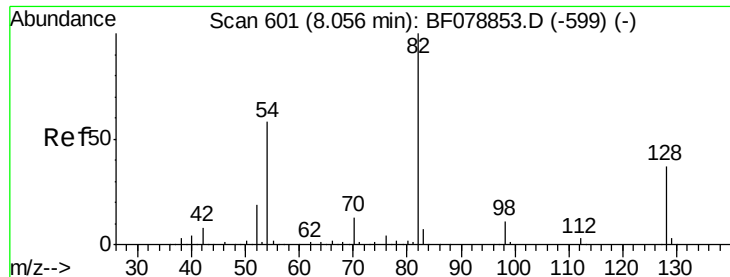
Delta R.T. -0.00 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

Tgt Ion:	136	Resp:	276235
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.7	13.1
54	10.6	5.8	8.8#
68	7.9	4.2	6.4#





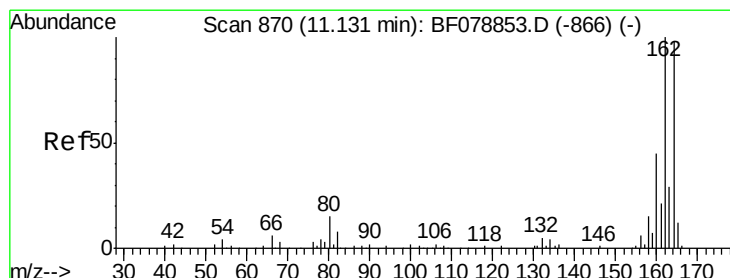
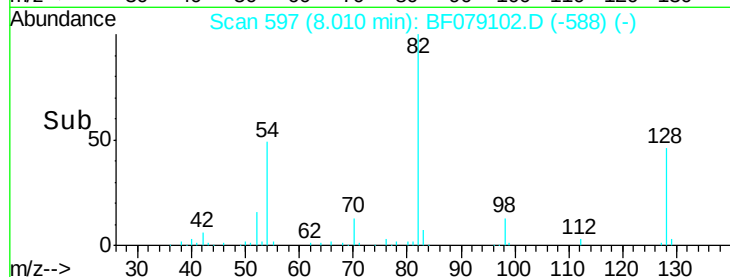
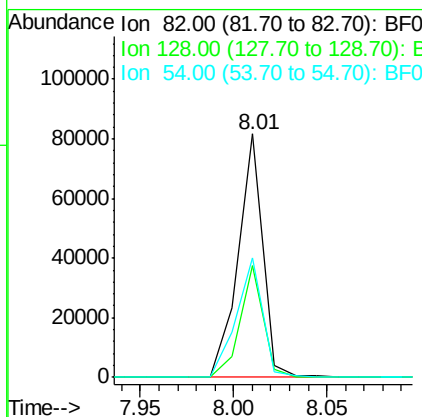
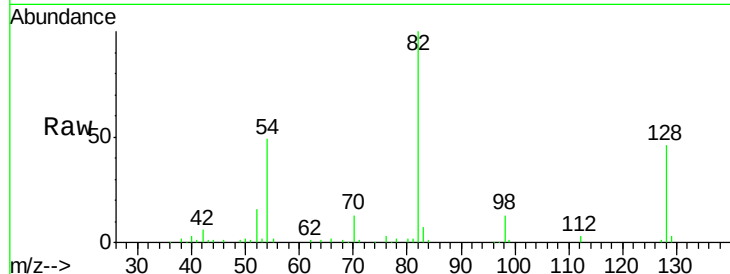
#23
Nitrobenzene-d5
Concen: 15.73 ng
RT: 8.01 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF079102.D
Acq: 10 May 2015 1:39

Instrument :
BNA_F
ClientSampleId :
SB-47AS

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	30.0	45.0
54	49.1	46.4	69.6

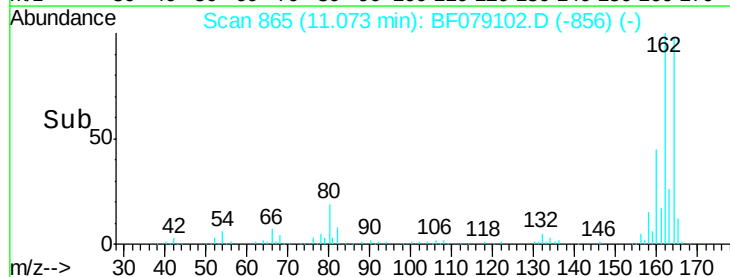
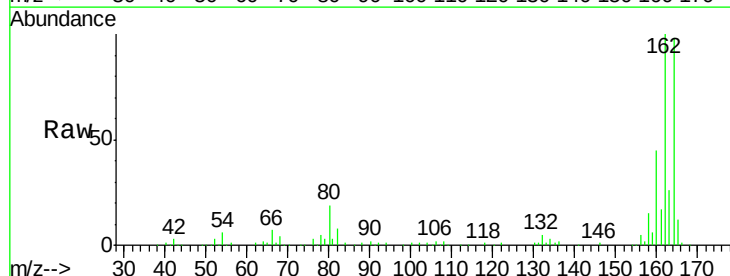
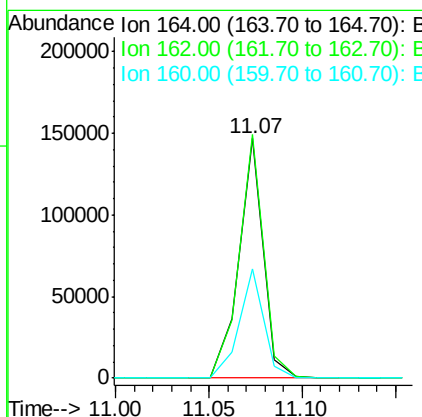
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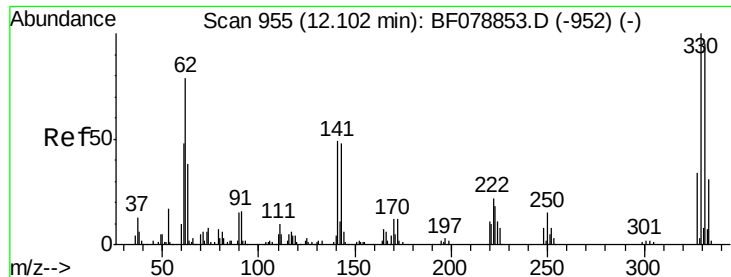
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 865
Delta R.T. -0.00 min
Lab File: BF079102.D
Acq: 10 May 2015 1:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.7	124.1
160	45.7	35.8	53.8





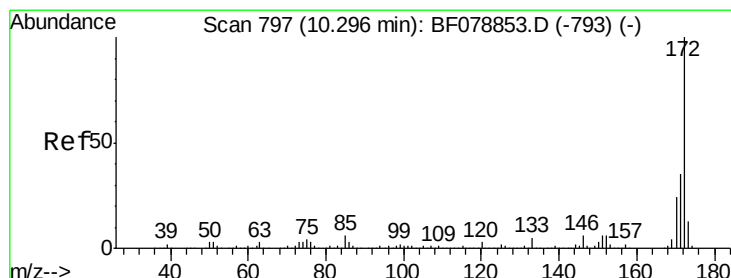
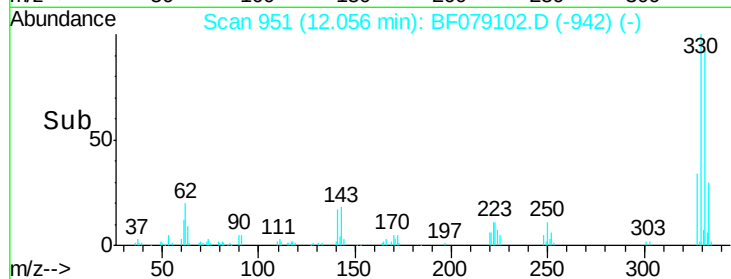
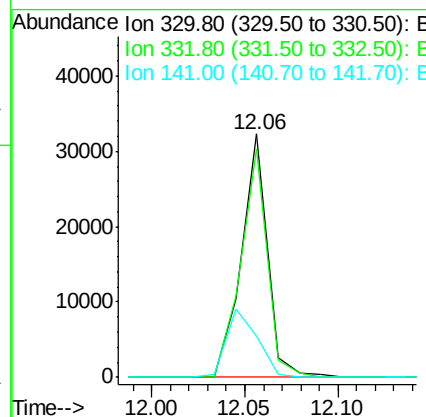
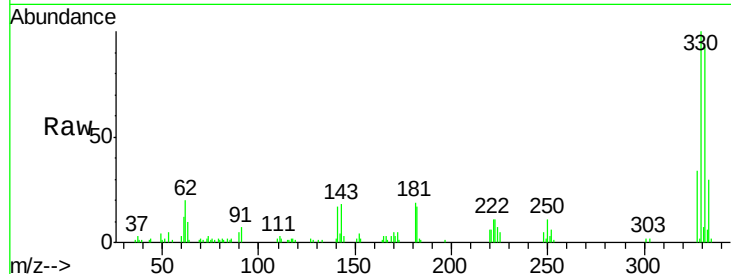
#41
 2,4,6-Tribromophenol
 Concen: 21.94 ng
 RT: 12.06 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: BF079102.D
 Acq: 10 May 2015 1:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-47AS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	31714		
332	94.8	0.0	0.0	0.0
141	33.1	0.0	0.0	0.0

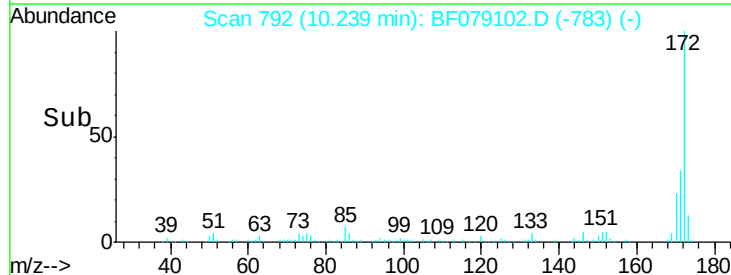
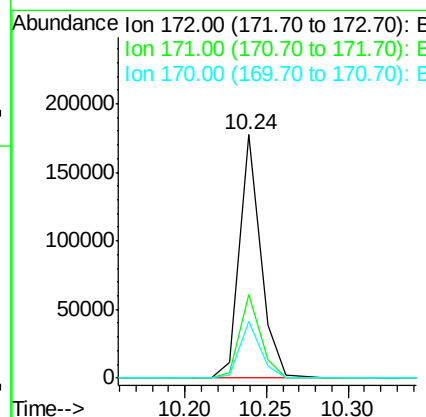
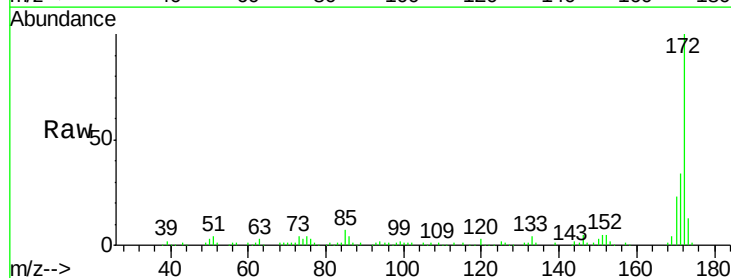
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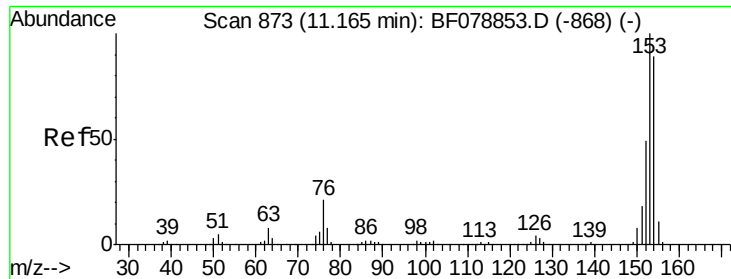
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#44
 2-Fluorobiphenyl
 Concen: 16.62 ng
 RT: 10.24 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BF079102.D
 Acq: 10 May 2015 1:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	159403		
171	34.4	27.9	41.9	
170	23.5	19.4	29.0	





#51

Acenaphthene

Concen: 2.42 ng

RT: 11.11 min Scan# 868

Delta R.T. -0.00 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

Instrument :

BNA_F

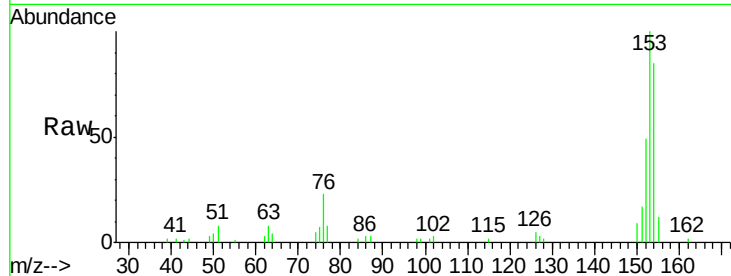
ClientSampleId :

SB-47AS

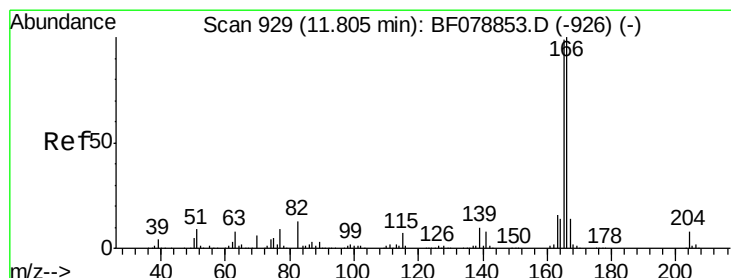
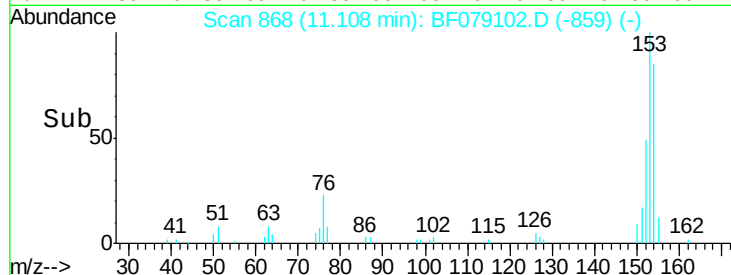
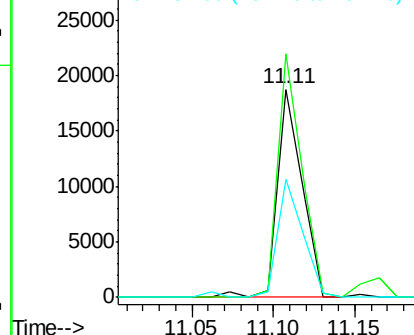
Tot Ion:	154	Resp:	19642
Ion Ratio	Lower	Upper	
154	100		
153	117.1	91.5	137.3
152	56.8	44.2	66.4

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.20 ng

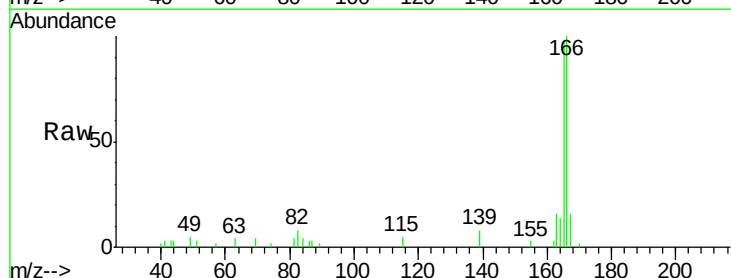
RT: 11.76 min Scan# 925

Delta R.T. -0.00 min

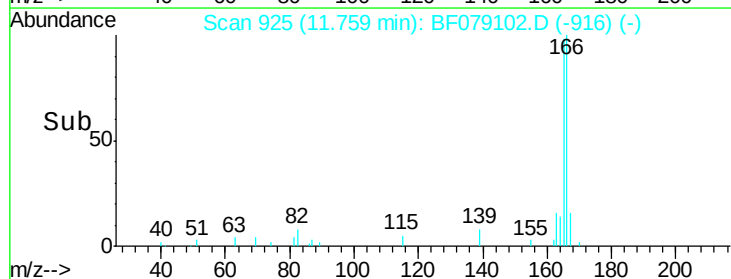
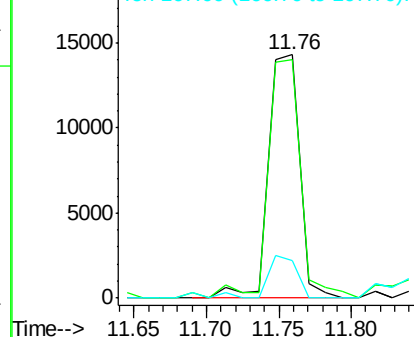
Lab File: BF079102.D

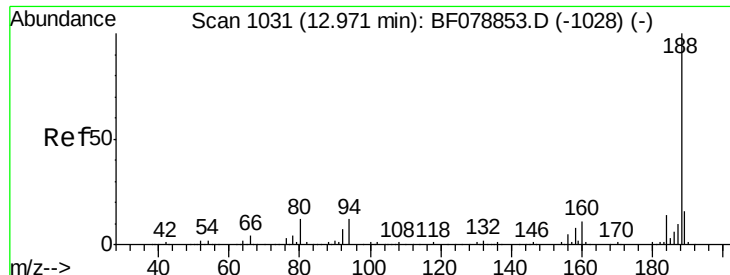
Acq: 10 May 2015 1:39

Tgt Ion:	166	Resp:	21126
Ion Ratio	Lower	Upper	
166	100		
165	98.2	78.5	117.7
167	15.6	11.0	16.6



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





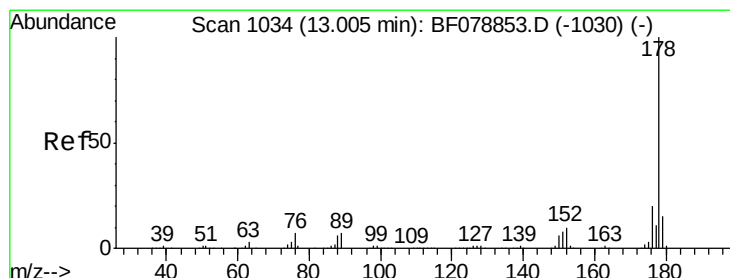
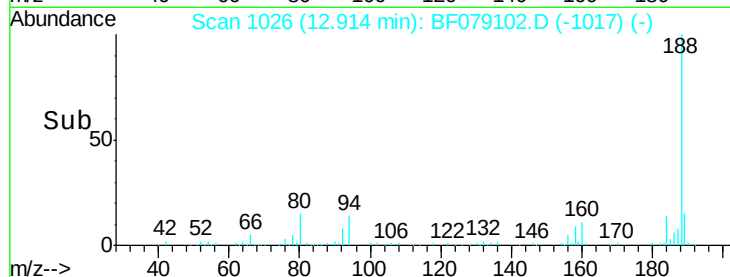
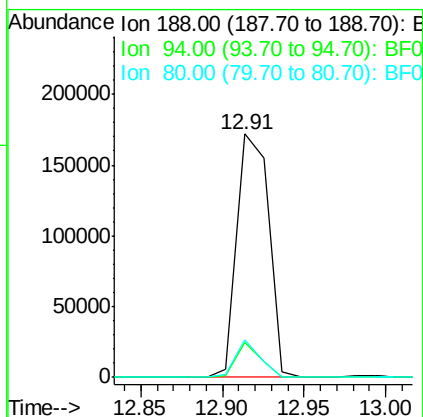
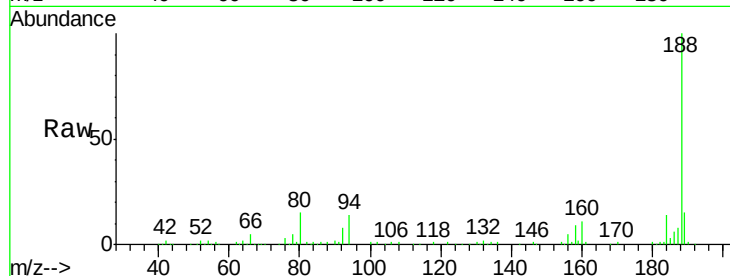
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.91 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BF079102.D
Acq: 10 May 2015 1:39

Instrument :
BNA_F
ClientSampleId :
SB-47AS

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	14.2	8.2	12.2#
80	15.5	8.9	13.3#

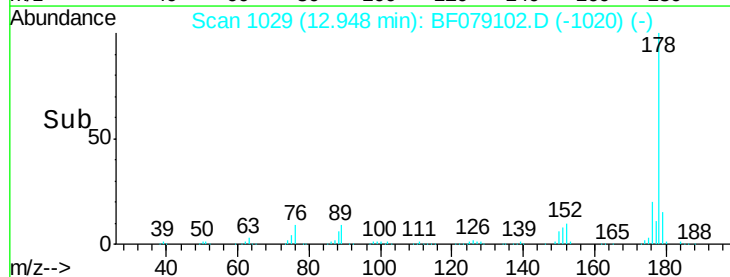
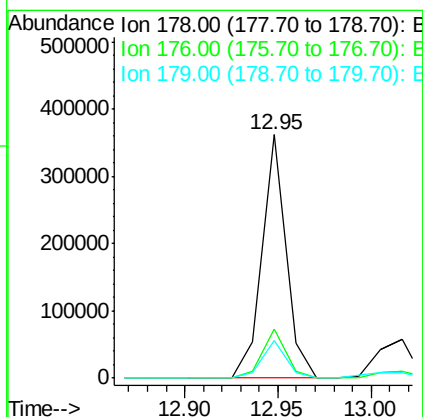
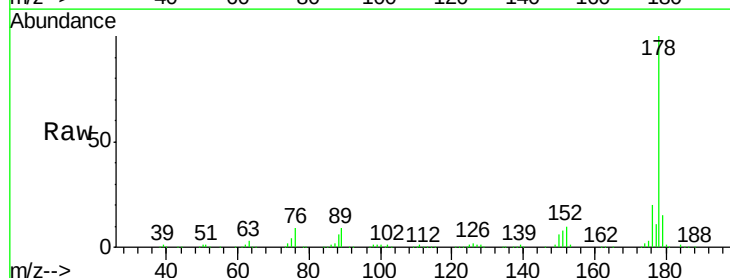
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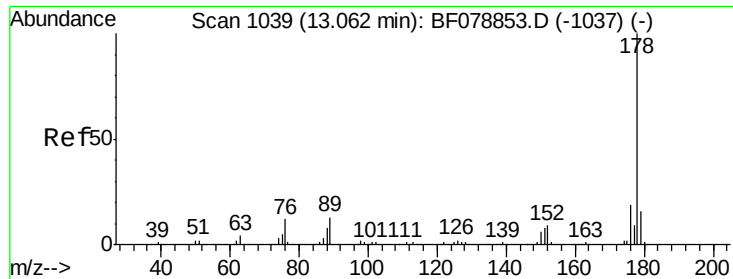
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#70
Phenanthrene
Concen: 24.91 ng
RT: 12.95 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF079102.D
Acq: 10 May 2015 1:39

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.3	12.5	18.7





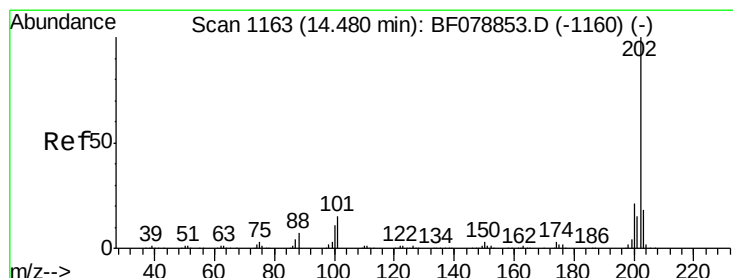
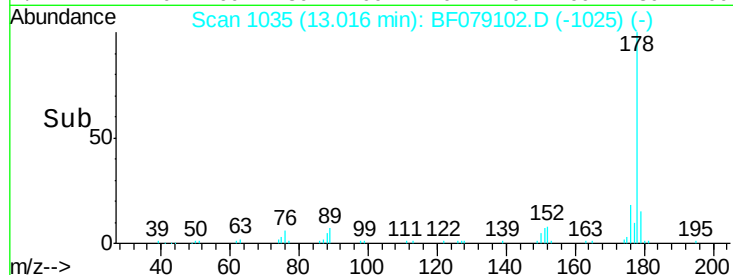
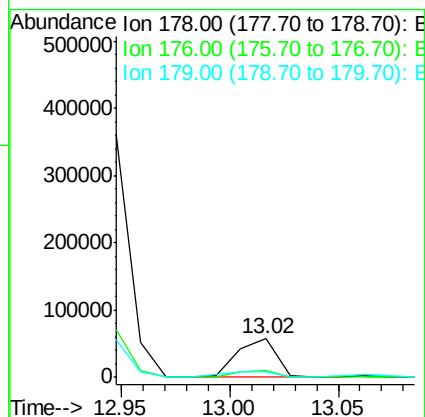
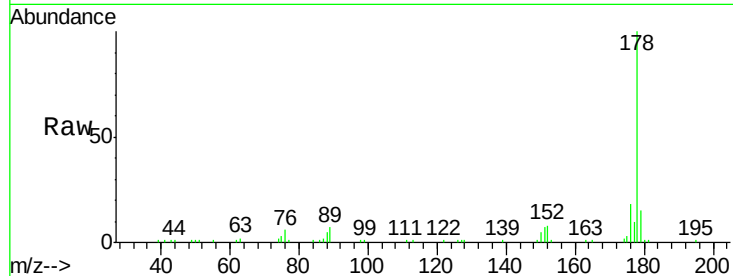
#71
 Anthracene
 Concen: 5.44 ng
 RT: 13.02 min Scan# 1035
 Delta R.T. 0.01 min
 Lab File: BF079102.D
 Acq: 10 May 2015 1:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-47AS

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.5	23.3
179	15.0	12.7	19.1

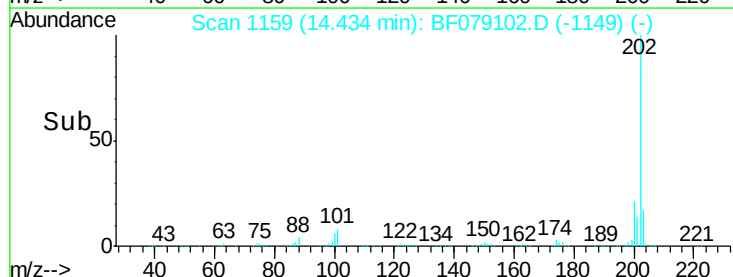
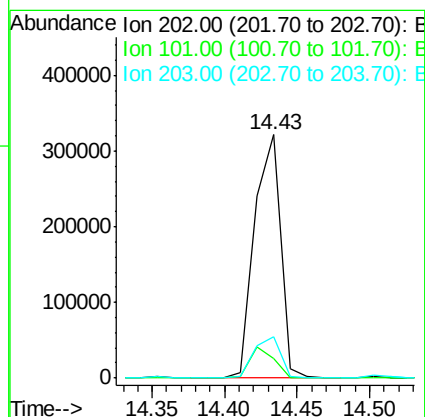
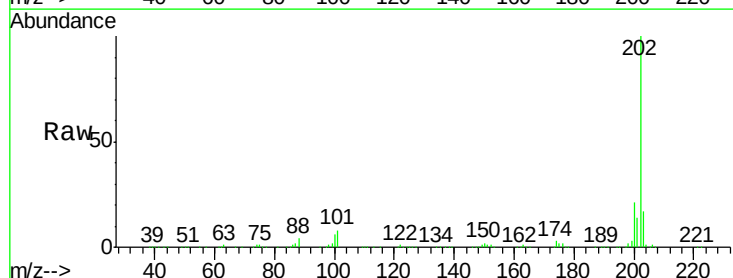
Manual Integrations
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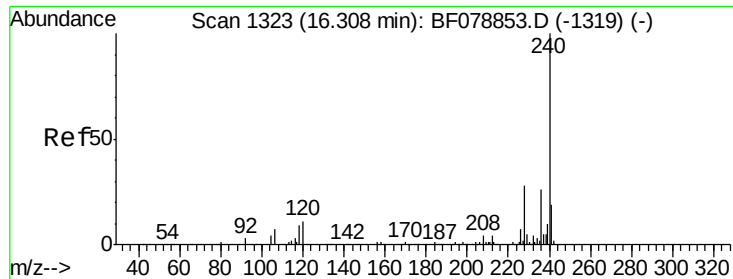
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#74
 Fluoranthene
 Concen: 29.62 ng
 RT: 14.43 min Scan# 1159
 Delta R.T. 0.01 min
 Lab File: BF079102.D
 Acq: 10 May 2015 1:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	34.6
203	16.9	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.22 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

Instrument :

BNA_F

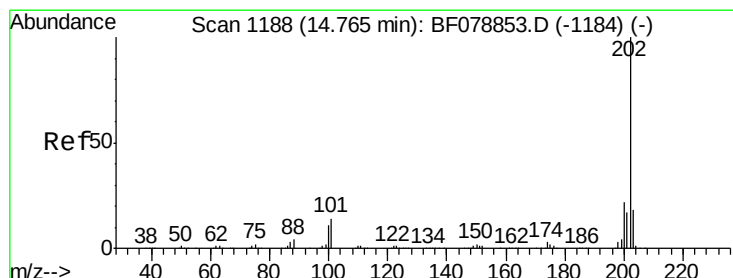
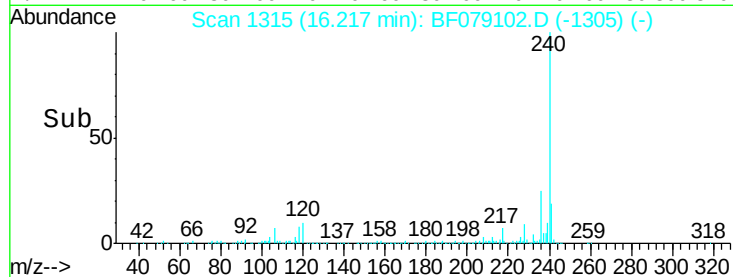
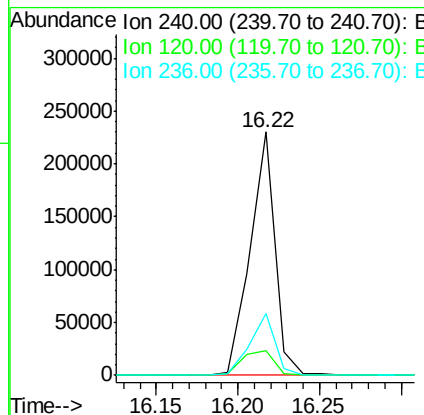
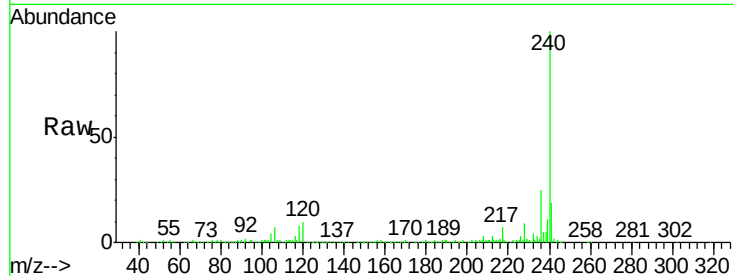
ClientSampleId :

SB-47AS

Tot Ion:	240	Resp:	243847
Ion Ratio	Lower	Upper	
240	100		
120	10.0	9.7	14.5
236	25.4	20.2	30.4

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#77

Pyrene

Concen: 26.98 ng

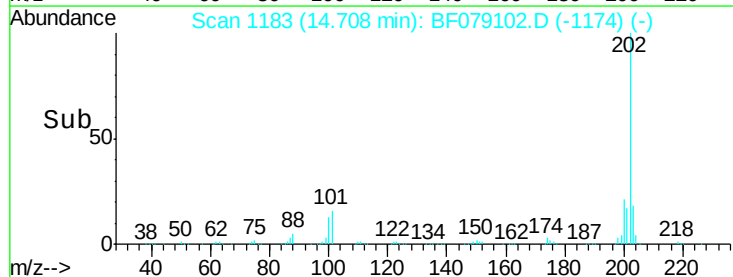
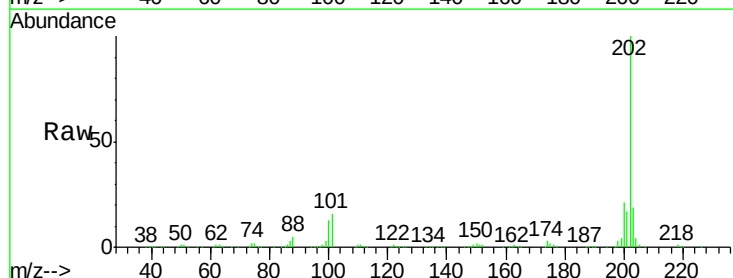
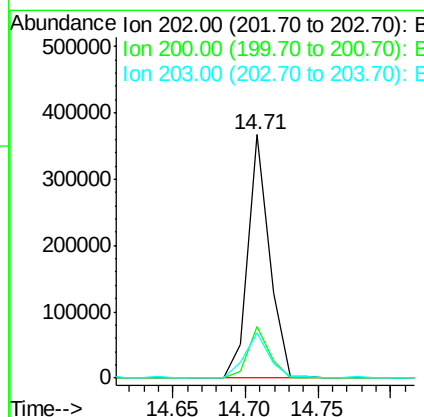
RT: 14.71 min Scan# 1183

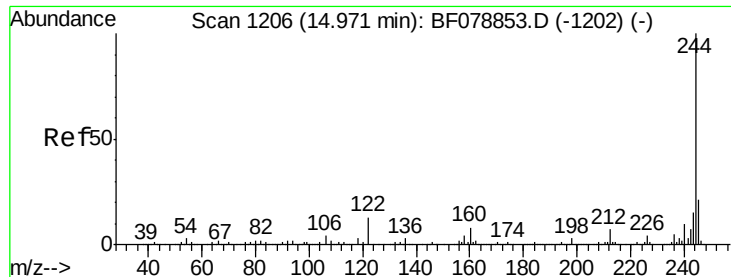
Delta R.T. -0.00 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

Tgt Ion:	202	Resp:	379064
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.5	26.3
203	18.7	13.9	20.9





#78

Terphenyl-d14

Concen: 16.30 ng

RT: 14.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

Instrument :

BNA_F

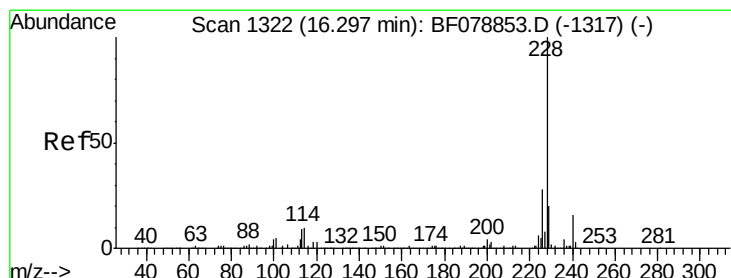
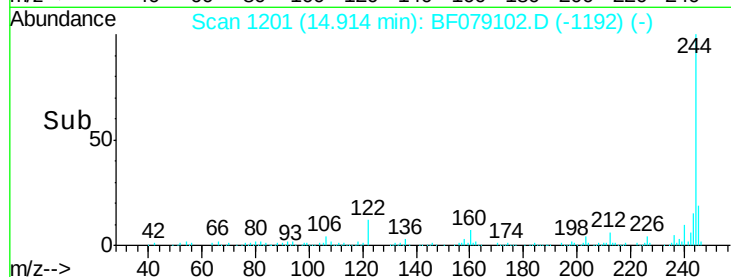
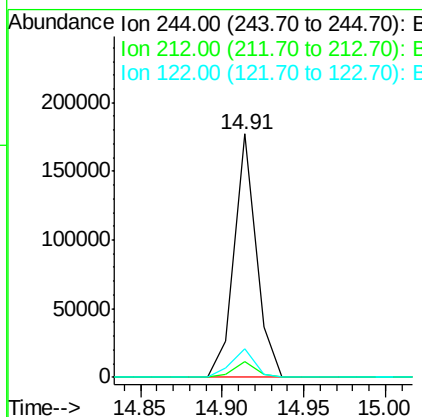
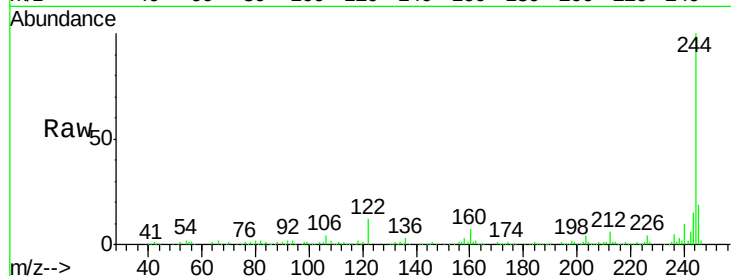
ClientSampleId :

SB-47AS

Tot Ion:	244	Resp:	166014
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.6	8.4
122	11.6	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 12.87 ng m

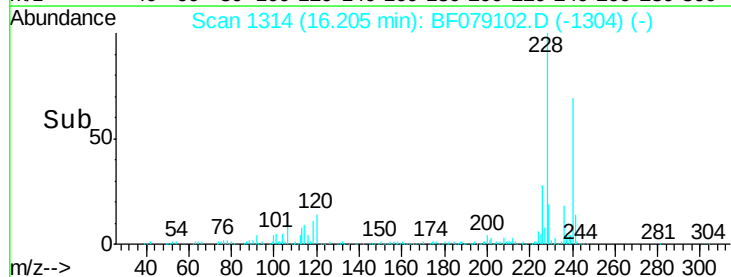
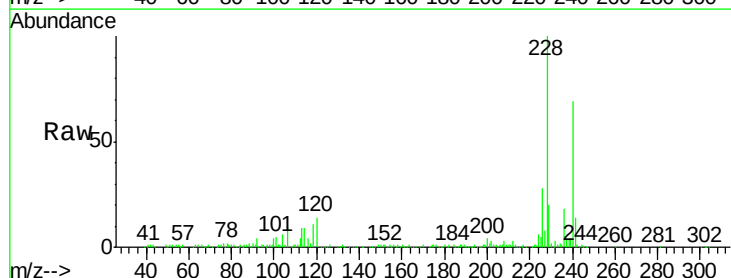
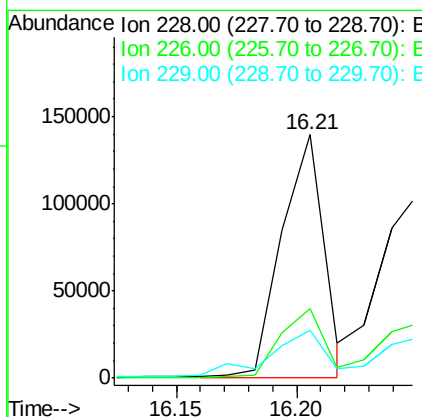
RT: 16.21 min Scan# 1314

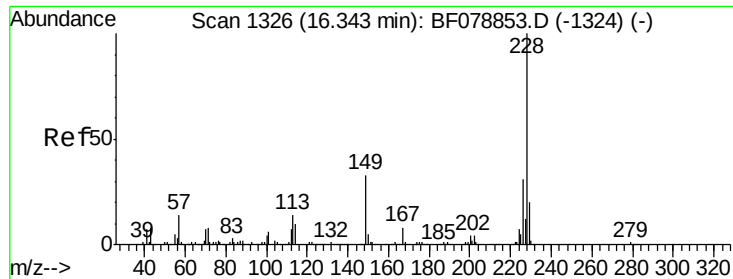
Delta R.T. 0.01 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

Tgt Ion:	228	Resp:	171867
Ion Ratio	Lower	Upper	
228	100		
226	28.4	22.6	33.8
229	19.7	15.9	23.9





#82

Chrysene

Concen: 12.56 ng/mL

RT: 16.25 min Scan# 1318

Delta R.T. 0.01 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

Instrument :

BNA_F

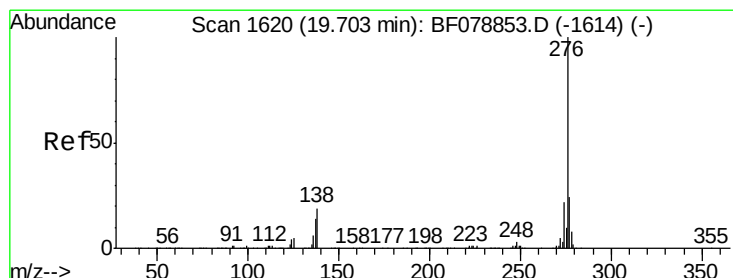
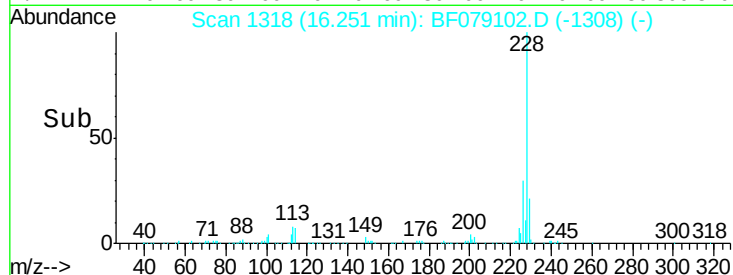
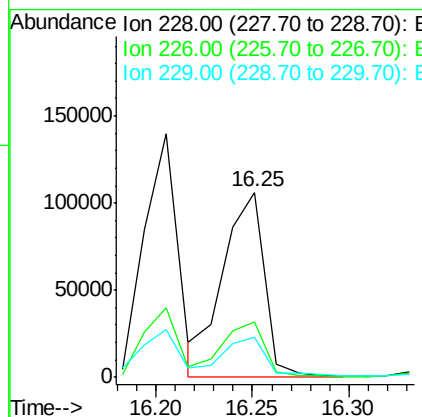
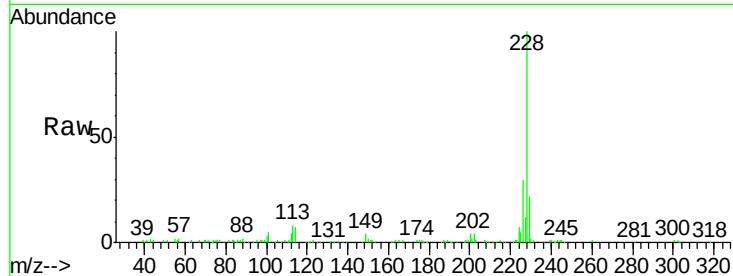
ClientSampled :

SB-47AS

Tot Ion:	228	Resp:	161292
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.9	37.3
229	21.8	16.0	24.0

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.82 ng/mL

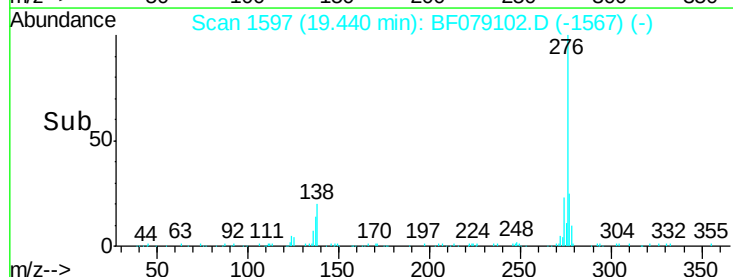
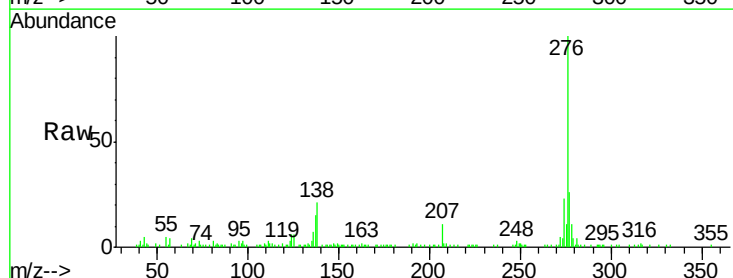
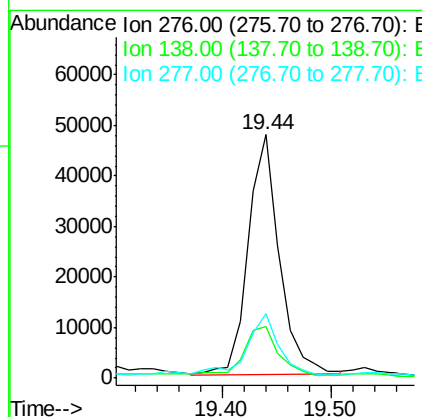
RT: 19.44 min Scan# 1597

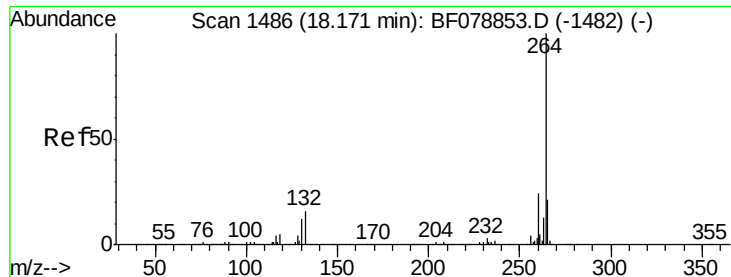
Delta R.T. 0.05 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

Tgt Ion:	276	Resp:	95284
Ion Ratio	Lower	Upper	
276	100		
138	22.7	0.0	0.0#
277	26.2	0.0	0.0#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 17.95 min Scan# 1467

Delta R.T. 0.03 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

Instrument :

BNA_F

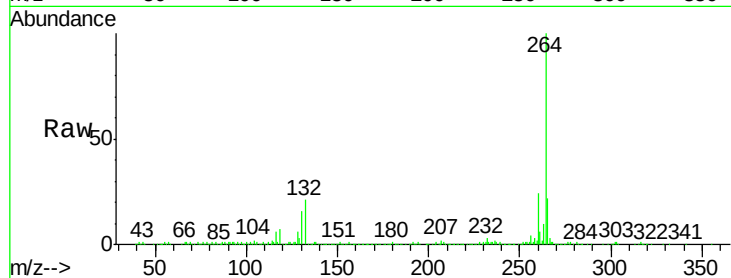
ClientSampled :

SB-47AS

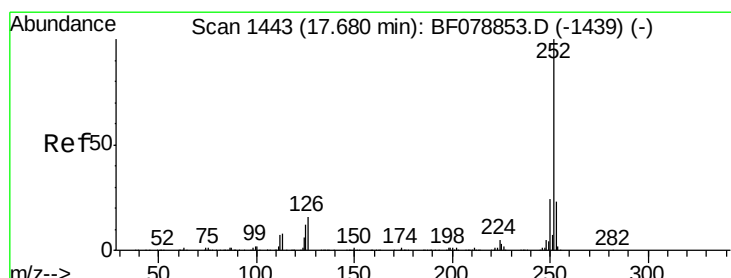
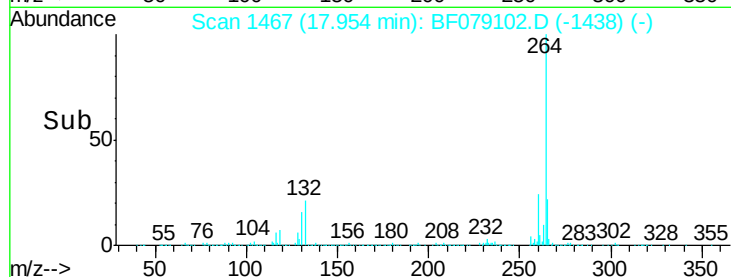
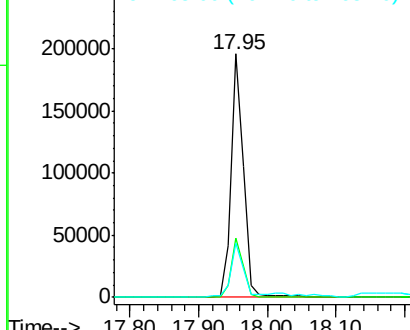
Tot Ion:	264	Resp:	251957
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.4	29.2
265	22.1	18.3	27.5

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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



#87

Benzo(b)fluoranthene

Concen: 13.33 ng m

RT: 17.51 min Scan# 1428

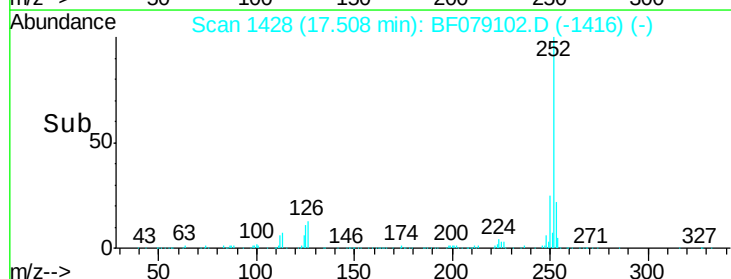
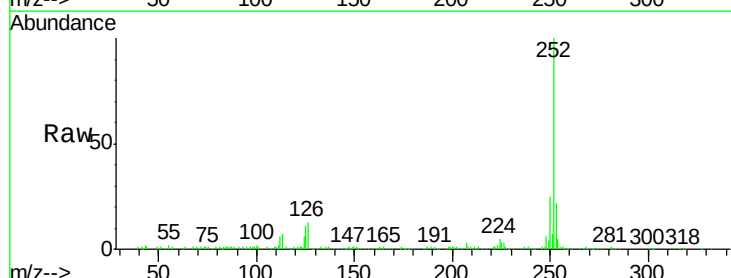
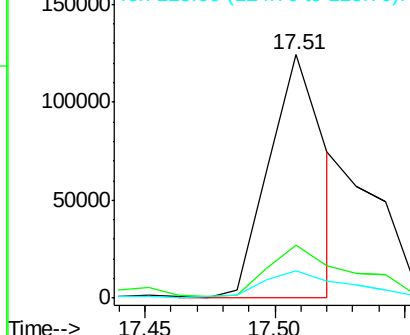
Delta R.T. 0.03 min

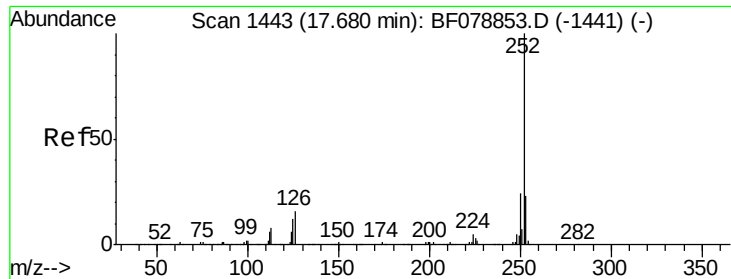
Lab File: BF079102.D

Acq: 10 May 2015 1:39

Tgt Ion:	252	Resp:	183816
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.7	26.5
125	11.1	9.5	14.3

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





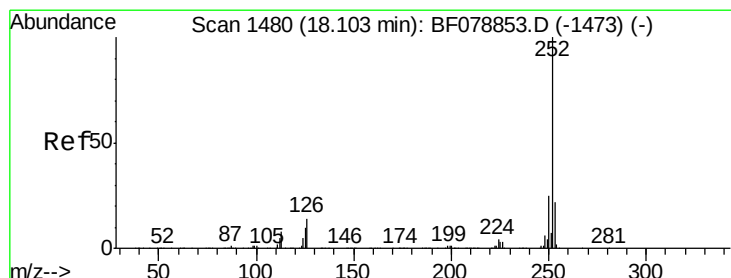
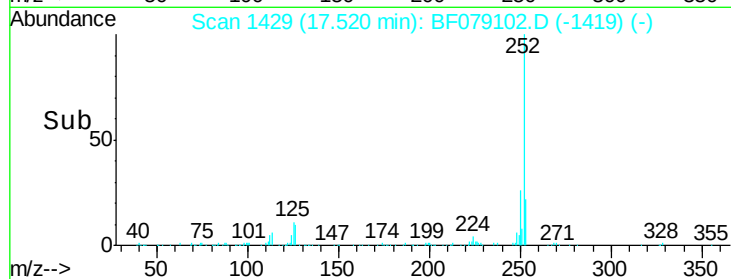
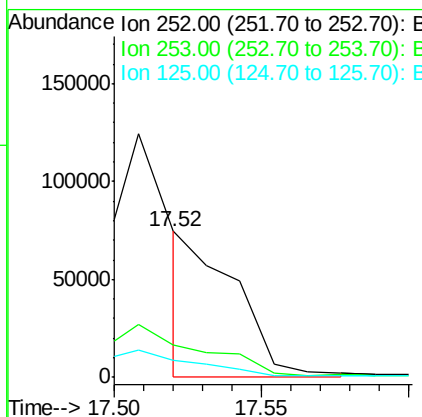
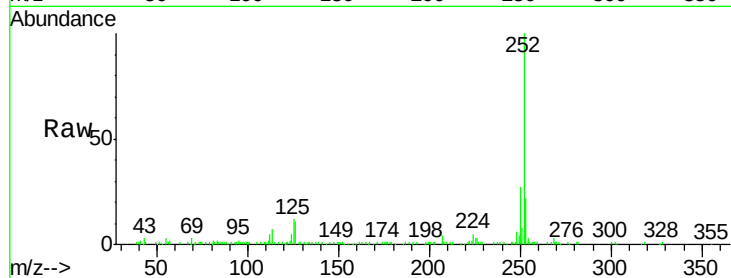
#88
Benzo(k)fluoranthene
Concen: 6.02 ng m
RT: 17.52 min Scan# 1429
Delta R.T. 0.01 min
Lab File: BF079102.D
Acq: 10 May 2015 1:39

Instrument :
BNA_F
ClientSampleId :
SB-47AS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	80396		
253	22.3		18.1	27.1
125	11.7		10.0	15.0

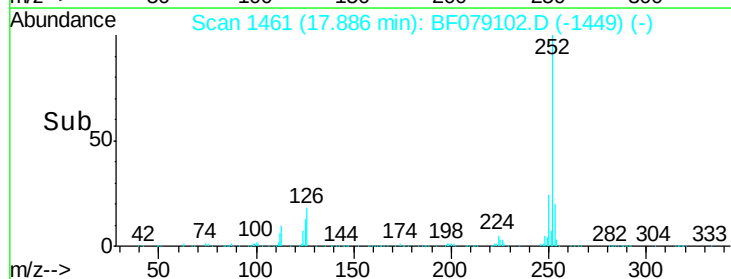
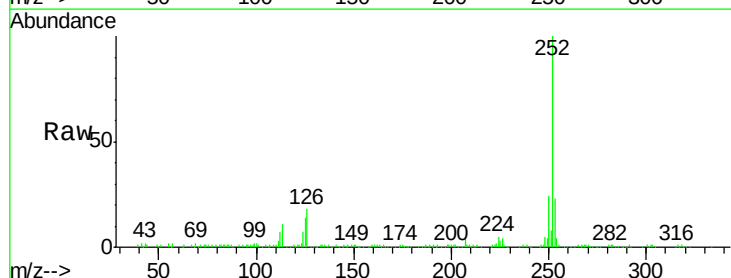
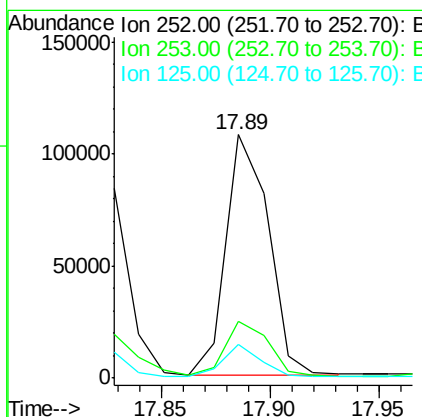
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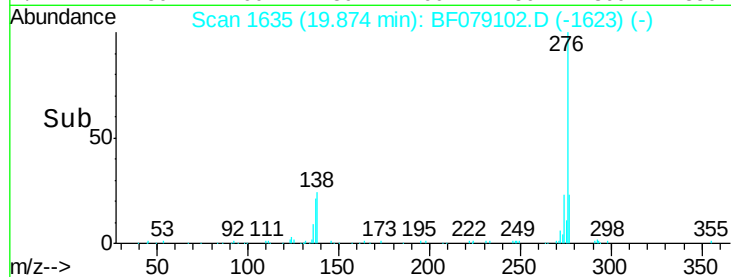
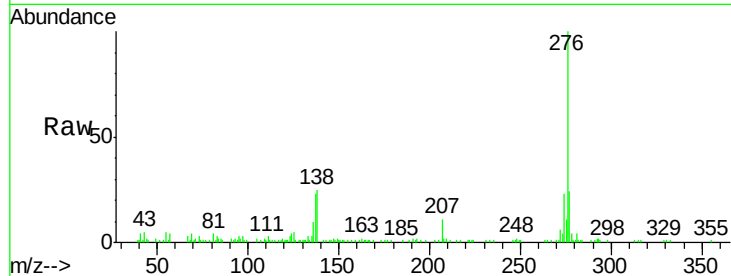
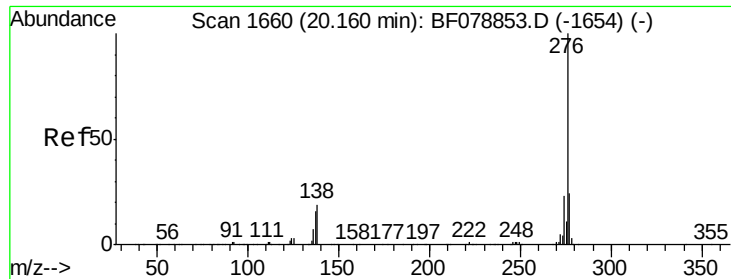
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#89
Benzo(a)pyrene
Concen: 11.47 ng
RT: 17.89 min Scan# 1461
Delta R.T. 0.03 min
Lab File: BF079102.D
Acq: 10 May 2015 1:39

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	145610		
253	23.2		17.3	25.9
125	13.7		7.0	10.6#





#91

Benzo(a,h,i)perylene

Concen: 6.87 ng

RT: 19.87 min Scan# 1635

Delta R.T. 0.03 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

Instrument :

BNA_F

ClientSampleId :

SB-47AS

Tot Ion:	276	Resp:	92935
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.6	28.0
138	25.1	17.4	26.0

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