

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043015\
 Data File : BF078867.D
 Acq On : 1 May 2015 00:38
 Operator : TP/IZ
 Sample : G2044-05 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-61S

Manual Integrations
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Quant Time: May 01 01:25:23 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 01 00:31:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	75794	20.00	ng	0.00
21) Naphthalene-d8	8.95	136	311715	20.00	ng	0.00
38) Acenaphthene-d10	11.12	164	145464	20.00	ng	-0.01
63) Phenanthrene-d10	12.97	188	294433	20.00	ng	0.00
75) Chrysene-d12	16.26	240	310920	20.00	ng	-0.01
86) Perylene-d12	18.01	264	327466	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	80194	18.21	ng	0.00
7) Phenol-d6	6.91	99	120326	20.67	ng	0.00
23) Nitrobenzene-d5	8.06	82	64979	11.98	ng	0.00
41) 2,4,6-Tribromophenol	12.10	330	16743	10.64	ng	0.00
44) 2-Fluorobiphenyl	10.30	172	136733	13.10	ng	0.00
78) Terphenyl-d14	14.97	244	168473	12.97	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.97	128	82066	5.53	ng	99
54) Dibenzofuran	11.38	168	25588	2.01	ng	99
57) Fluorene	11.81	166	25487	2.43	ng	95
70) Phenanthrene	13.01	178	271802	16.50	ng	99
71) Anthracene	13.06	178	61790	3.82	ng	98
74) Fluoranthene	14.48	202	283922	16.54	ng	97
77) Pyrene	14.77	202	258840	14.45	ng	99
80) Benzo(a)anthracene	16.25	228	131908	7.75	ng	96
82) Chrysene	16.30	228	112817	6.89	ng	98
85) Indeno(1,2,3-cd)pyrene	19.52	276	70171	3.36	ng	# 100
87) Benzo(b)fluoranthene	17.55	252	147194m	8.21	ng	
88) Benzo(k)fluoranthene	17.59	252	46906m	2.70	ng	
89) Benzo(a)pyrene	17.94	252	110309	6.68	ng	# 93
91) Benzo(a,h,i)perylene	19.97	276	66834	3.80	ng	95

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

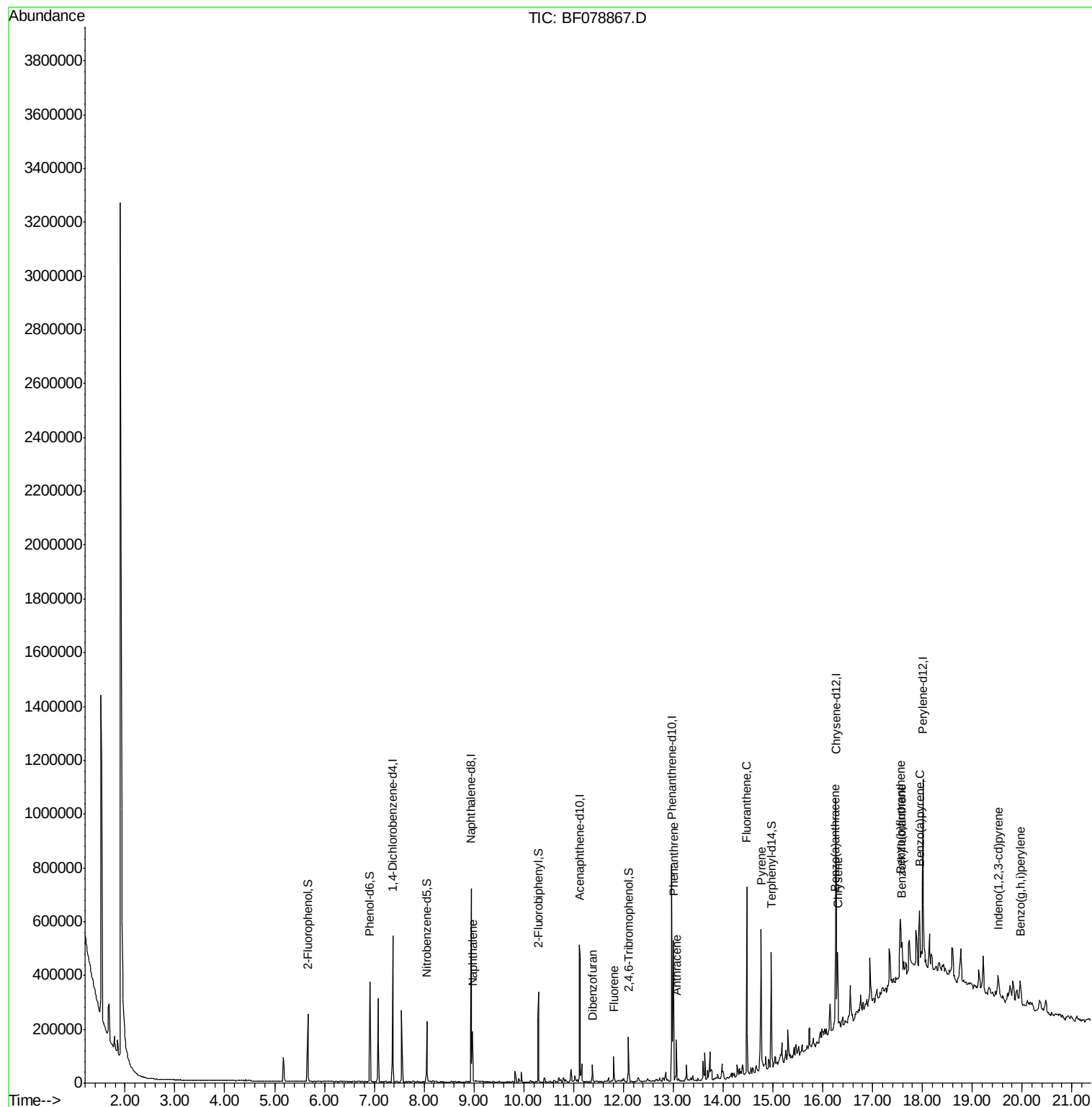
Data Path : Z:\HPCHEM1\BNA F\DATA\BF043015\
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ALS Vial : 17 Sample Multiplier: 1

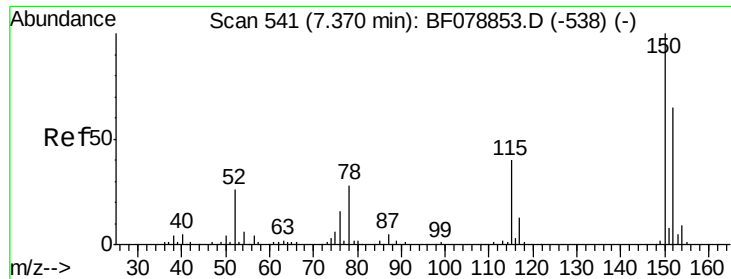
Instrument :
BNA_F
ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
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#1

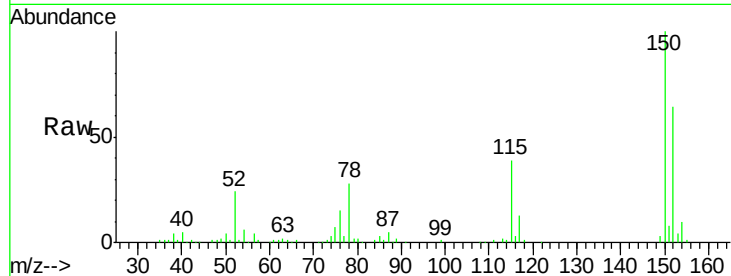
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 541
Delta R.T. 0.00 min
Lab File: BF078867.D
Acq: 1 May 2015 00:38

Instrument :
BNA_F
ClientSampleId :
SB-61S

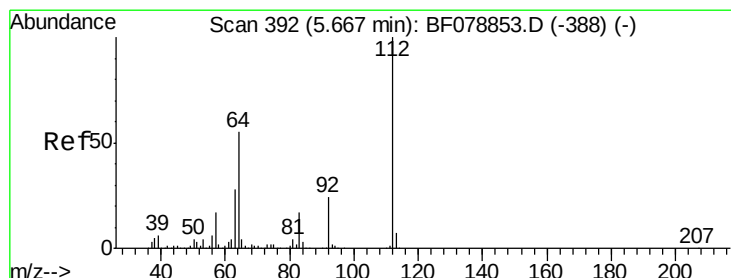
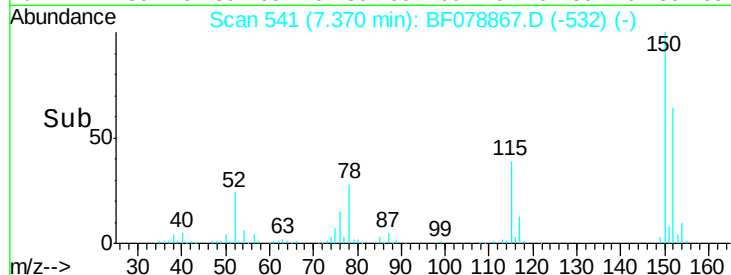
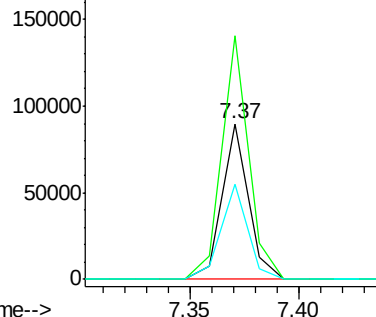
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	122.0	183.0
115	61.5	46.3	69.5

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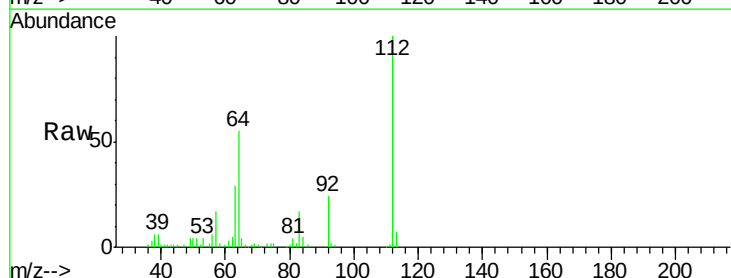
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



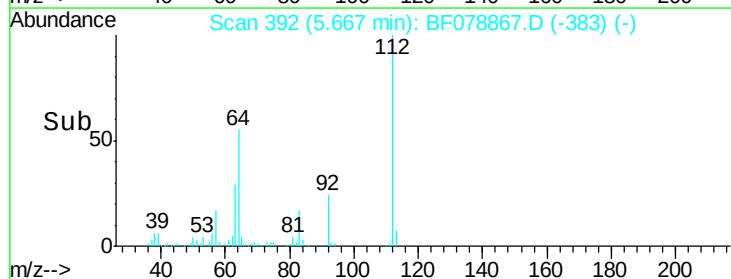
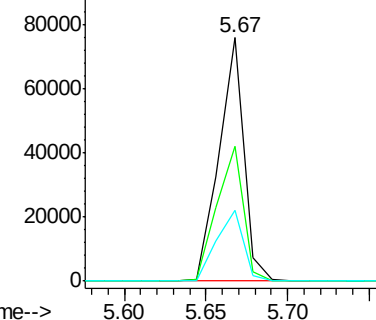
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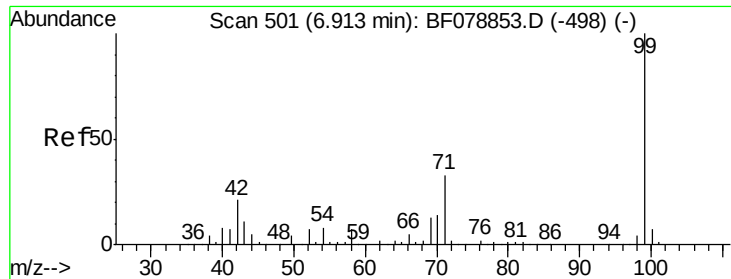
2-Fluorophenol
Concen: 18.21 ng
RT: 5.67 min Scan# 392
Delta R.T. 0.00 min
Lab File: BF078867.D
Acq: 1 May 2015 00:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	53.5	80.3
63	29.0	27.5	41.3



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: 20.67 ng

RT: 6.91 min Scan# 501

Delta R.T. 0.00 min

Lab File: BF078867.D

Acq: 1 May 2015 00:38

Instrument :

BNA_F

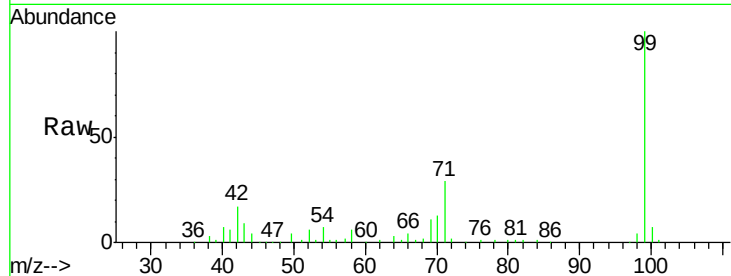
ClientSampleId :

SB-61S

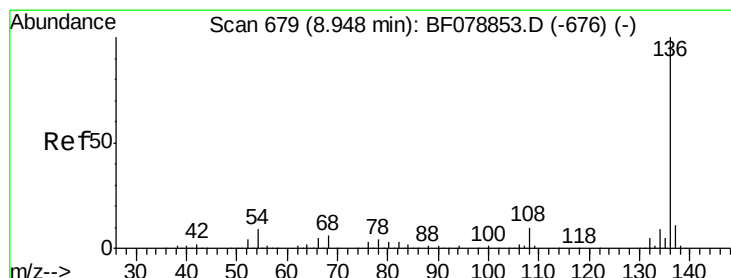
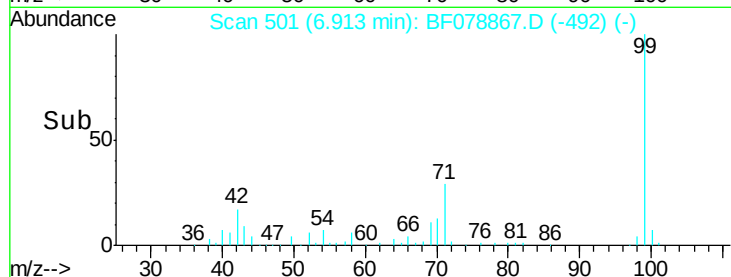
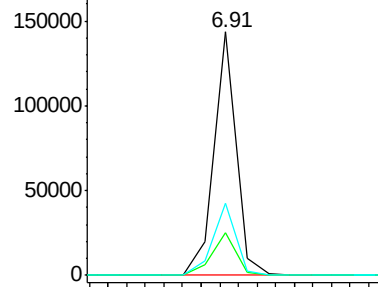
Tot Ion:	99	Resp:	120326
Ion Ratio	Lower	Upper	
99	100		
42	17.4	12.8	19.2
71	29.4	23.4	35.2

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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: 8.95 min Scan# 679

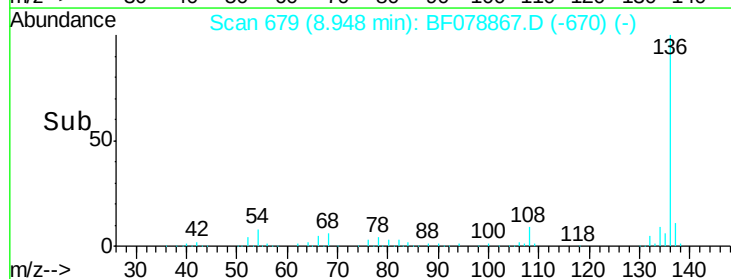
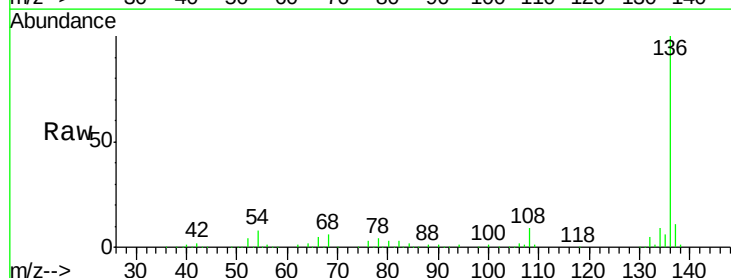
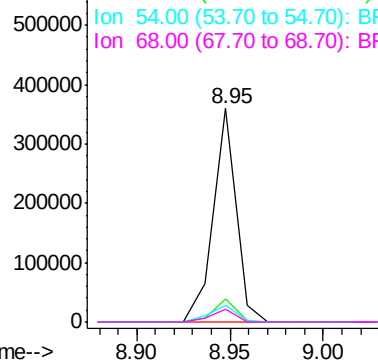
Delta R.T. 0.00 min

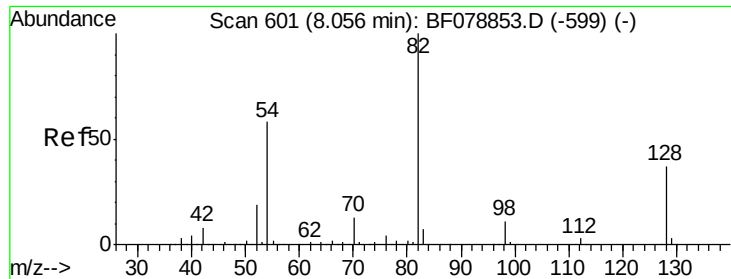
Lab File: BF078867.D

Acq: 1 May 2015 00:38

Tgt Ion:	136	Resp:	311715
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	7.9	5.8	8.8
68	5.8	4.2	6.4

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: 11.98 ng

RT: 8.06 min Scan# 601

Delta R.T. 0.00 min

Lab File: BF078867.D

Acq: 1 May 2015 00:38

Instrument :

BNA_F

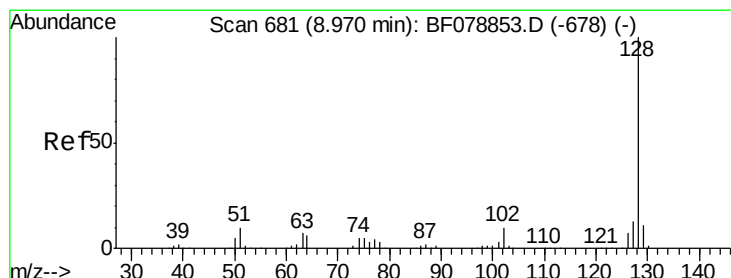
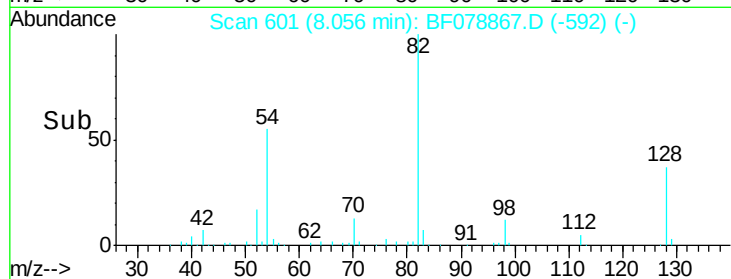
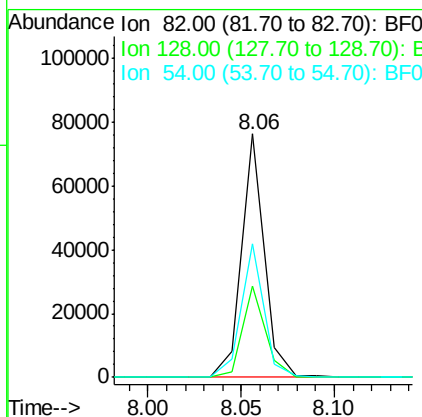
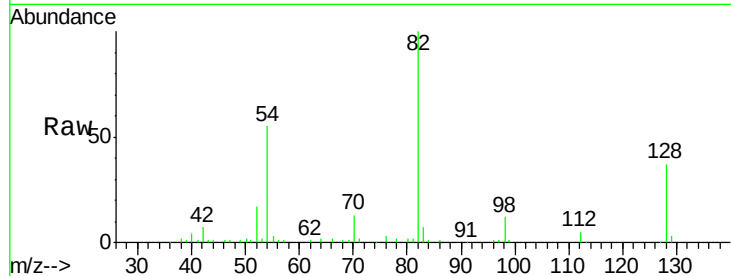
ClientSampled :

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Tot Ion:	82	Resp:	64979
Ion Ratio	Lower	Upper	
82	100		
128	37.2	30.0	45.0
54	54.9	46.4	69.6

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#31

Naphthalene

Concen: 5.53 ng

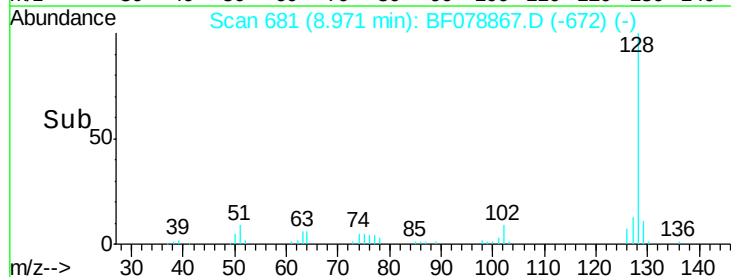
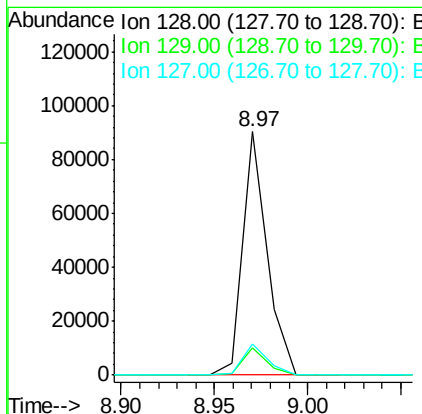
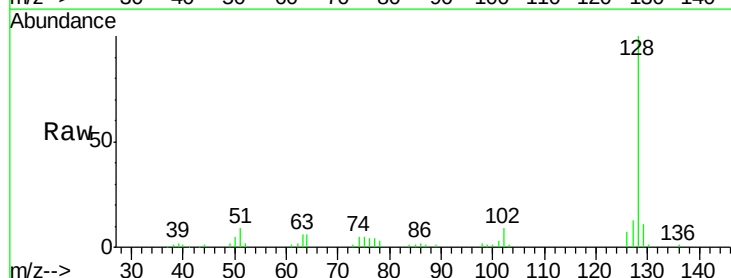
RT: 8.97 min Scan# 681

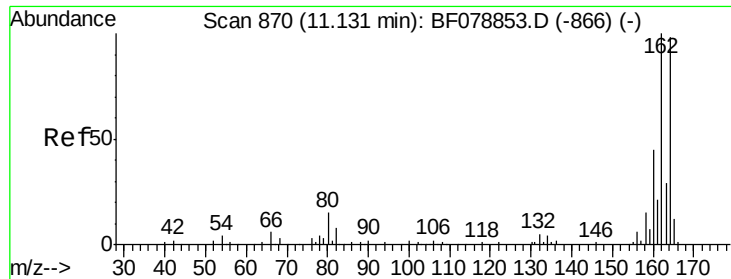
Delta R.T. -0.00 min

Lab File: BF078867.D

Acq: 1 May 2015 00:38

Tgt Ion:	128	Resp:	82066
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.3	13.9
127	12.9	10.7	16.1





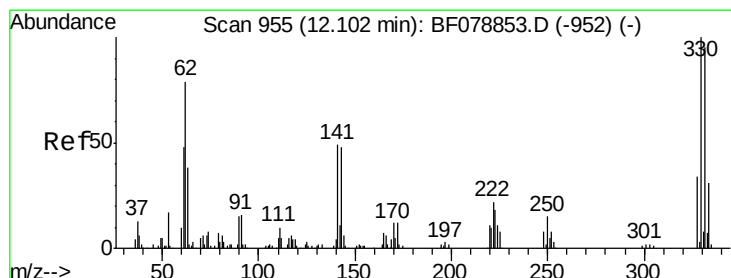
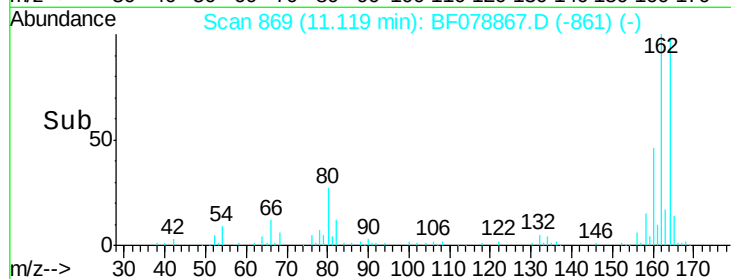
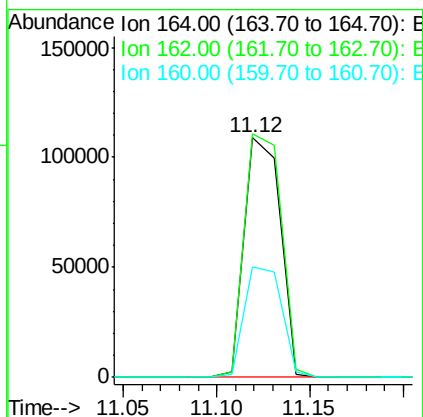
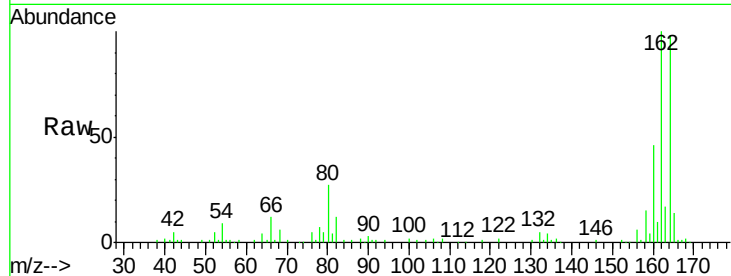
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 869
 Delta R.T. -0.01 min
 Lab File: BF078867.D
 Acq: 1 May 2015 00:38

Instrument :
 BNA_F
 ClientSampled :
 SB-61S

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.7	124.1
160	46.4	35.8	53.8

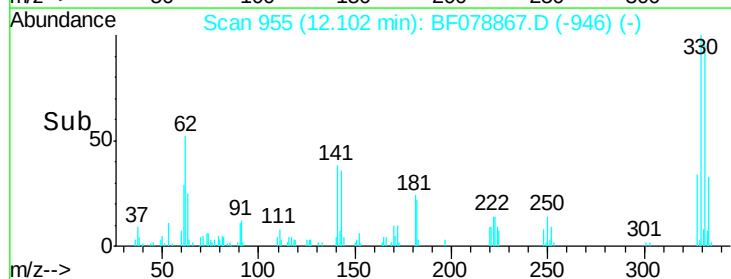
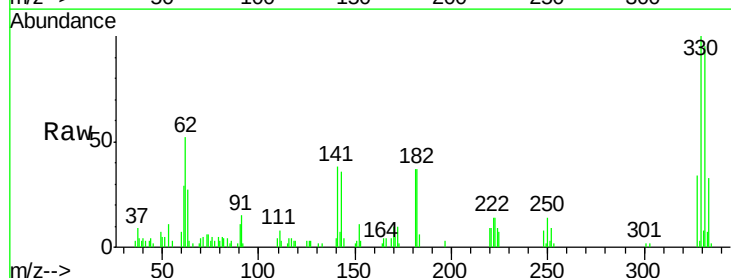
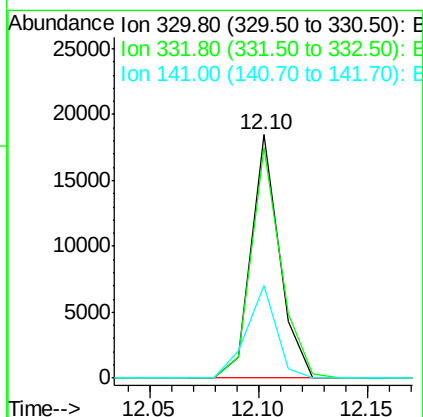
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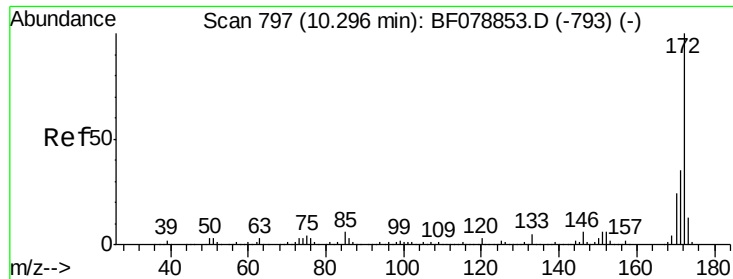
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#41
 2,4,6-Tribromophenol
 Concen: 10.64 ng
 RT: 12.10 min Scan# 955
 Delta R.T. 0.00 min
 Lab File: BF078867.D
 Acq: 1 May 2015 00:38

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.0	0.0	0.0#
141	40.0	0.0	0.0#





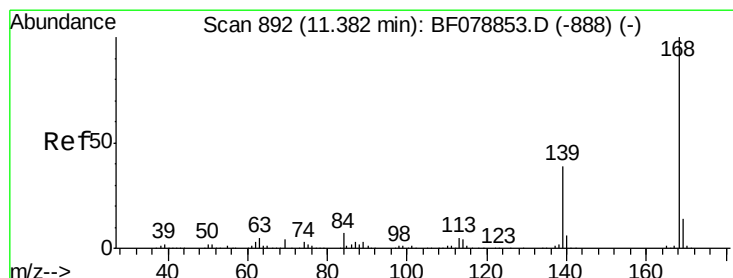
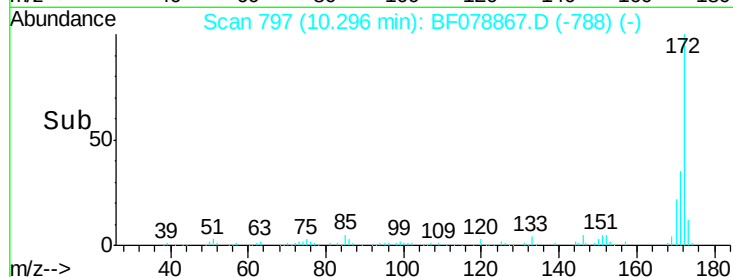
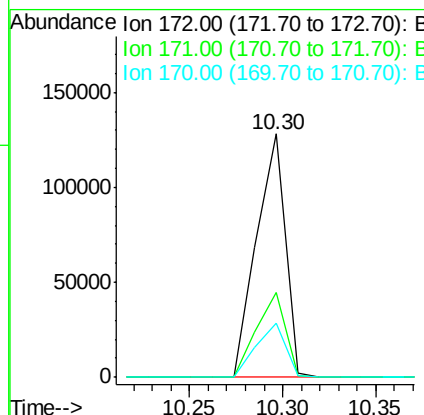
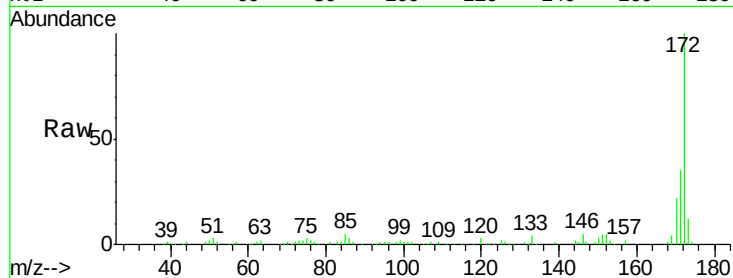
#44
 2-Fluorobiphenyl
 Concen: 13.10 ng
 RT: 10.30 min Scan# 797
 Delta R.T. 0.00 min
 Lab File: BF078867.D
 Acq: 1 May 2015 00:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-61S

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.9	41.9
170	22.4	19.4	29.0

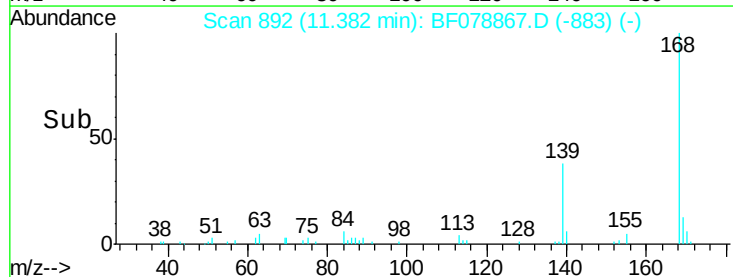
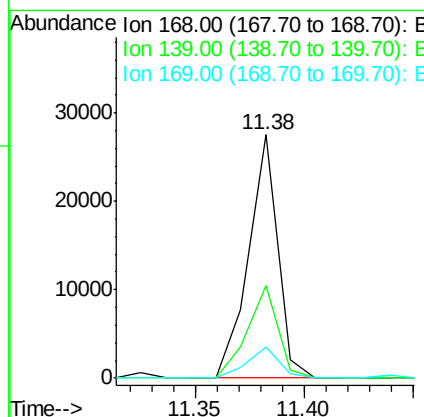
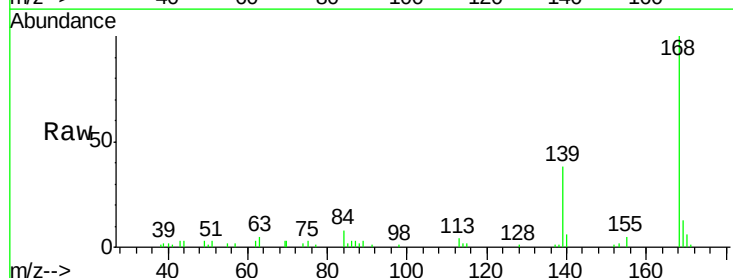
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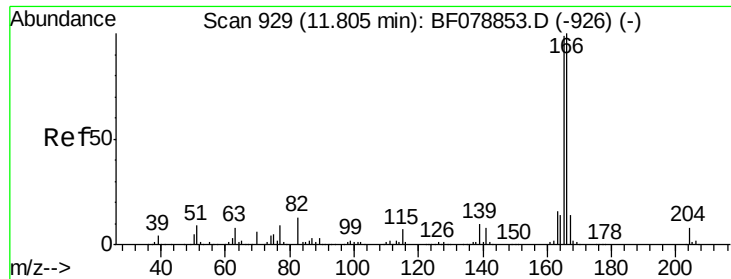
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#54
 Dibenzofuran
 Concen: 2.01 ng
 RT: 11.38 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: BF078867.D
 Acq: 1 May 2015 00:38

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.0	31.0	46.4
169	12.6	10.6	16.0





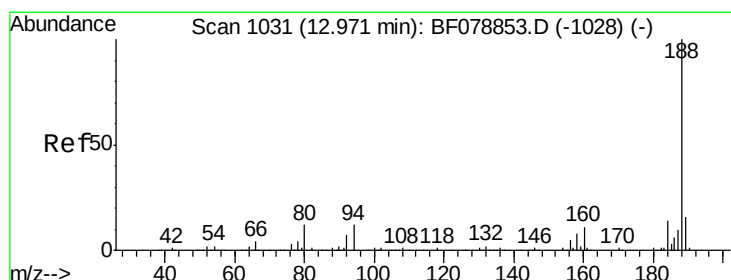
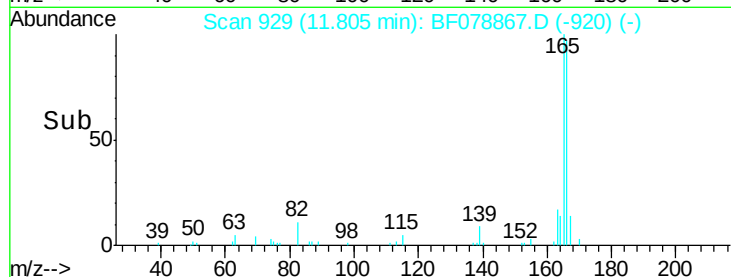
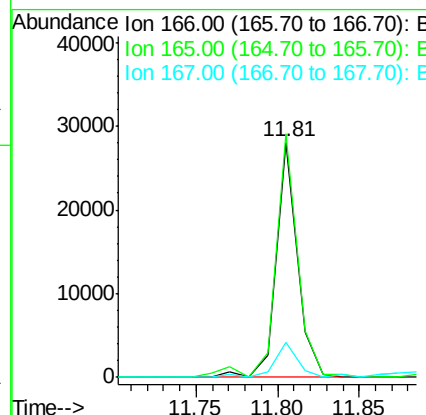
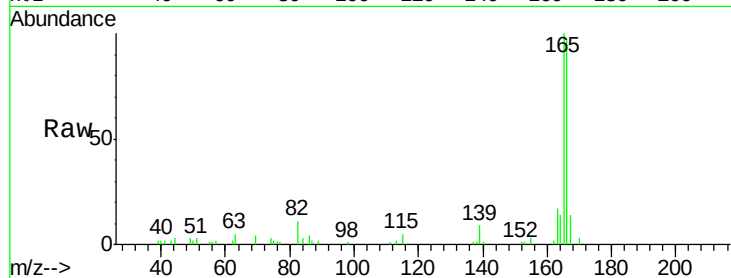
#57
Fluorene
 Concen: 2.43 ng
 RT: 11.81 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: BF078867.D
 Acq: 1 May 2015 00:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-61S

Tot Ion	Ratio	Lower	Upper
166	100		
165	103.6	78.5	117.7
167	14.7	11.0	16.6

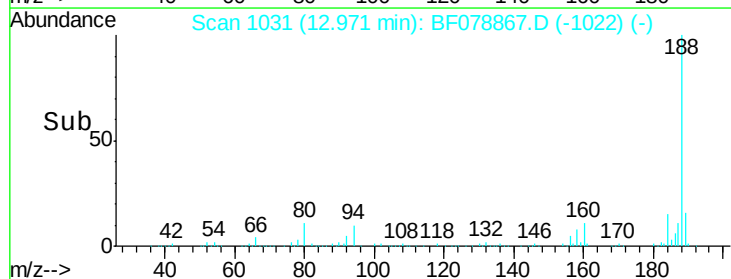
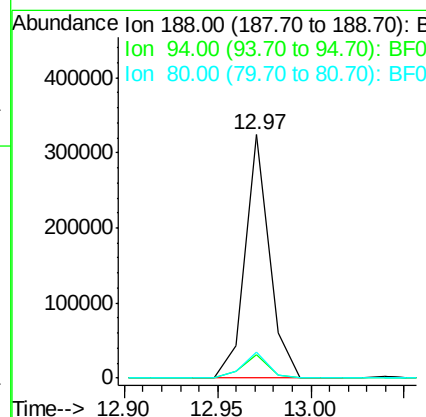
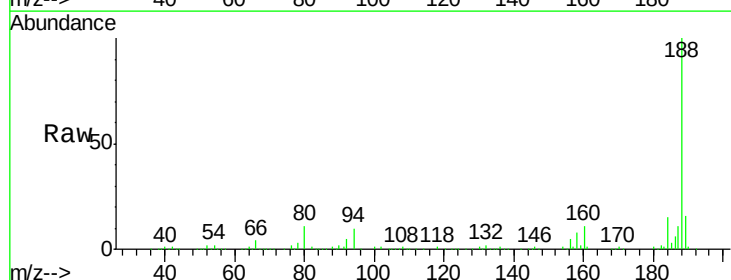
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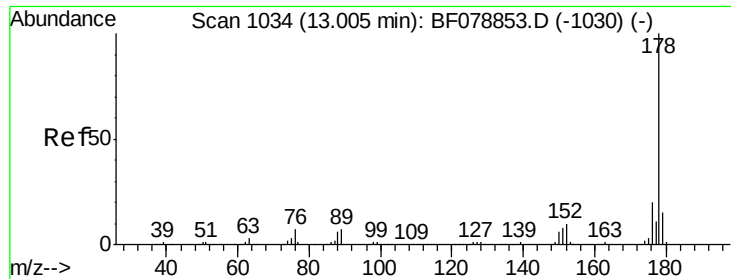
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.97 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: BF078867.D
 Acq: 1 May 2015 00:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.2	12.2
80	10.9	8.9	13.3





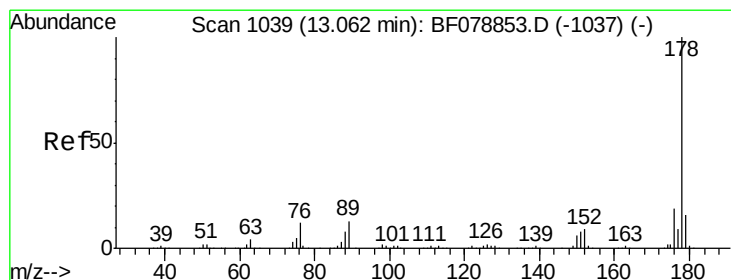
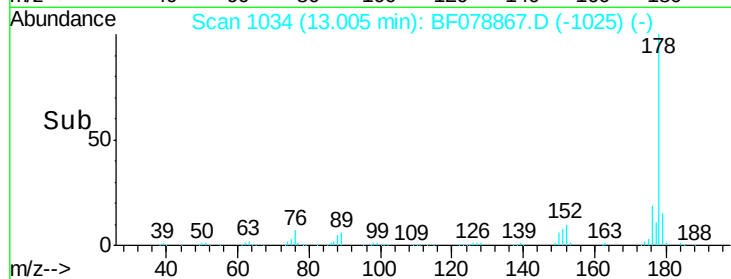
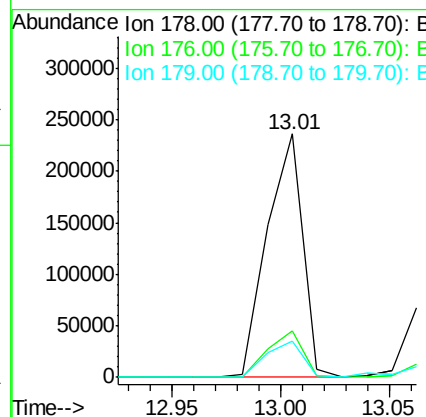
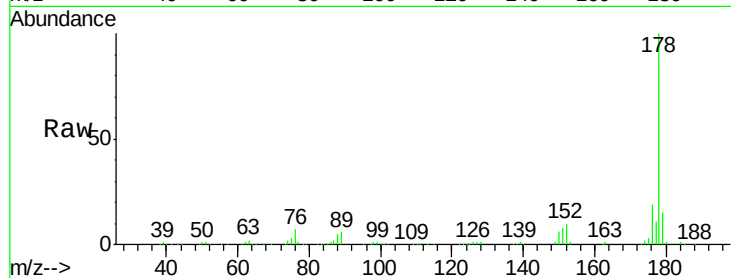
#70
Phenanthrene
Concen: 16.50 ng
RT: 13.01 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF078867.D
Acq: 1 May 2015 00:38

Instrument :
BNA_F
ClientSampleId :
SB-61S

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.1	12.5	18.7

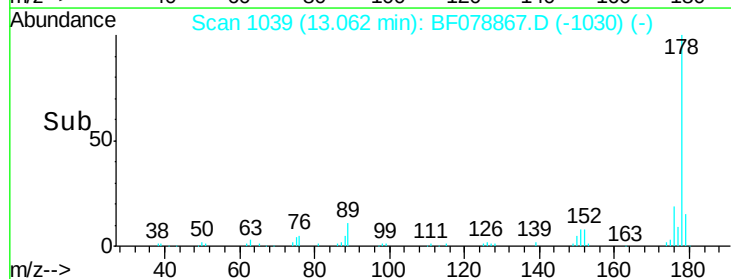
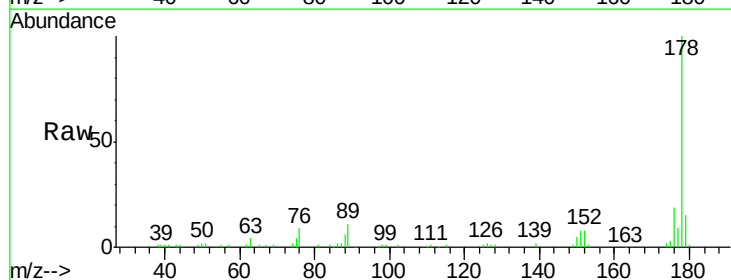
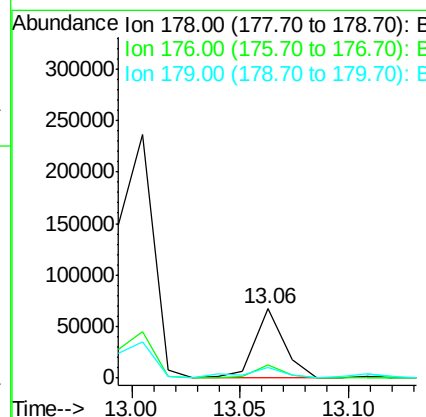
Manual Integrations
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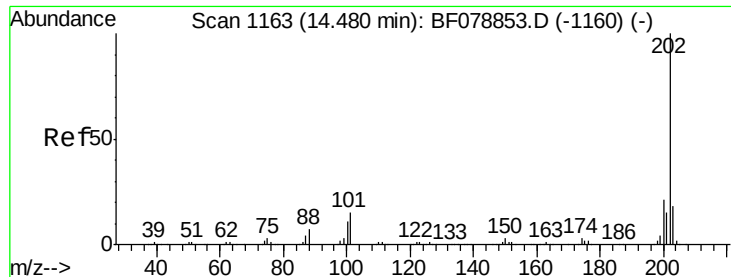
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#71
Anthracene
Concen: 3.82 ng
RT: 13.06 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF078867.D
Acq: 1 May 2015 00:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.5	23.3
179	15.1	12.7	19.1





#74

Fluoranthene

Concen: 16.54 ng

RT: 14.48 min Scan# 1163

Delta R.T. -0.00 min

Lab File: BF078867.D

Acq: 1 May 2015 00:38

Instrument :

BNA_F

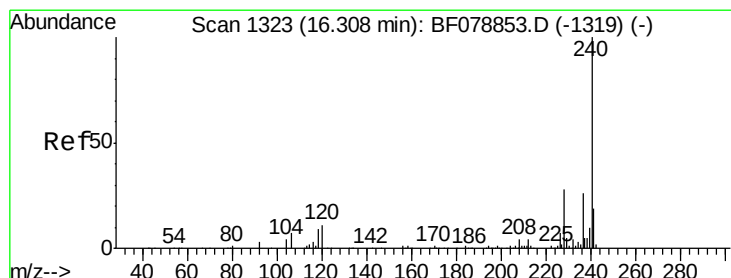
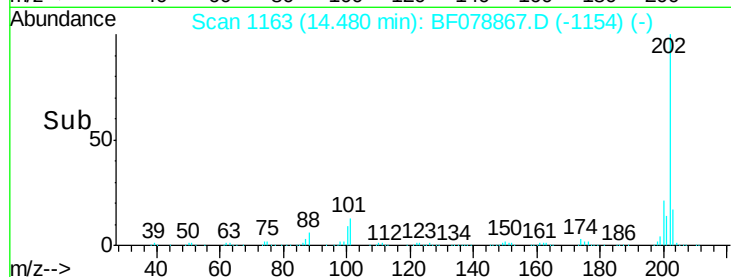
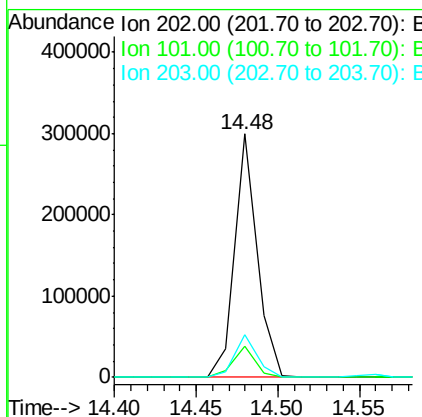
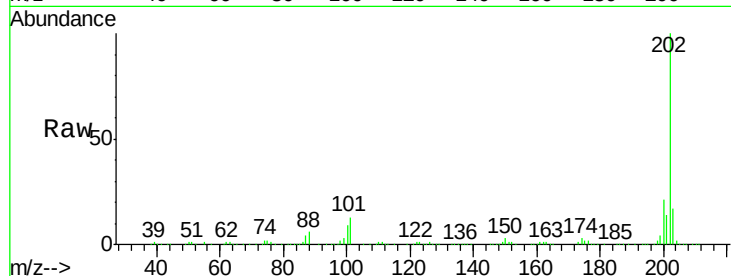
ClientSampleId :

SB-61S

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.9	0.0	34.6
203	17.4	0.0	38.4

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#75

Chrysene-d12

Concen: 20.00 ng

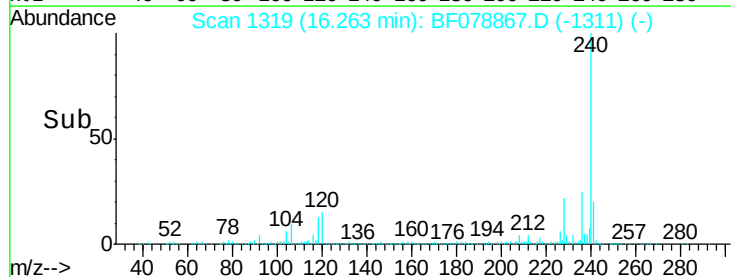
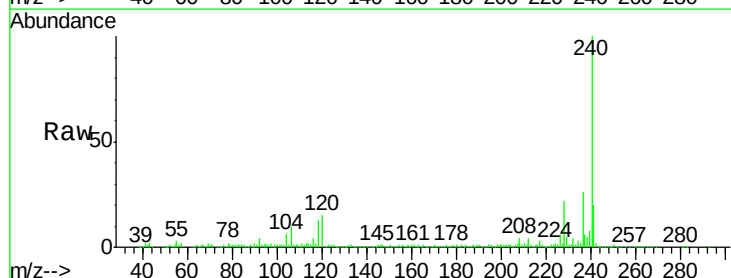
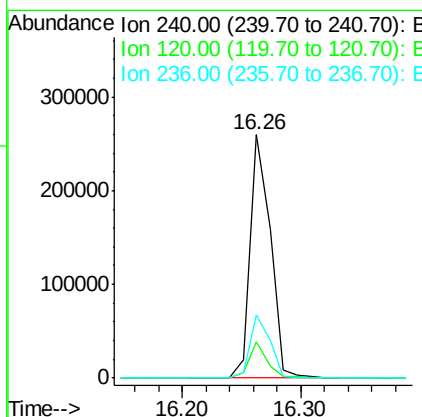
RT: 16.26 min Scan# 1319

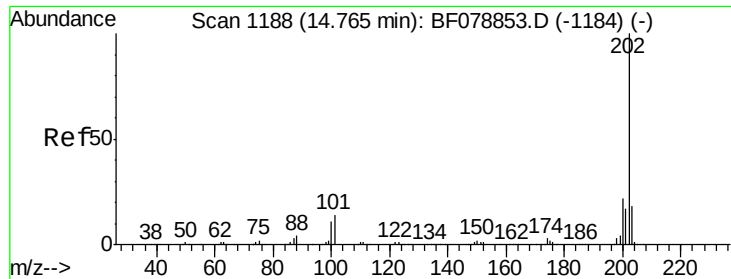
Delta R.T. -0.01 min

Lab File: BF078867.D

Acq: 1 May 2015 00:38

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.0	9.7	14.5#
236	25.7	20.2	30.4





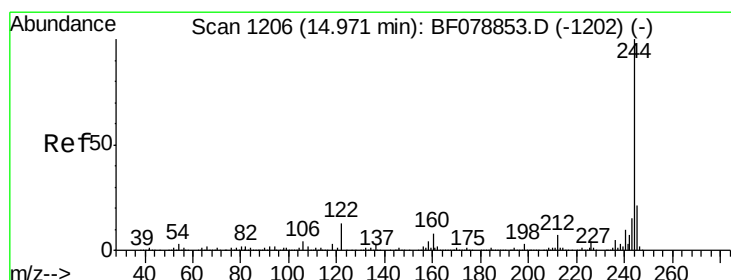
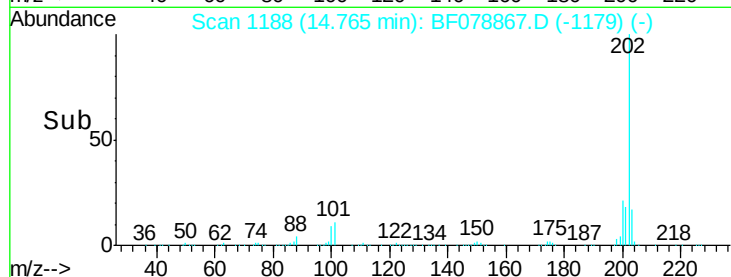
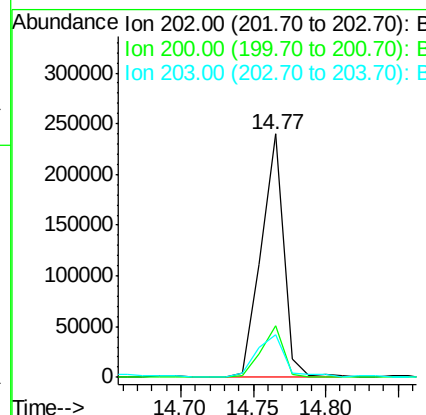
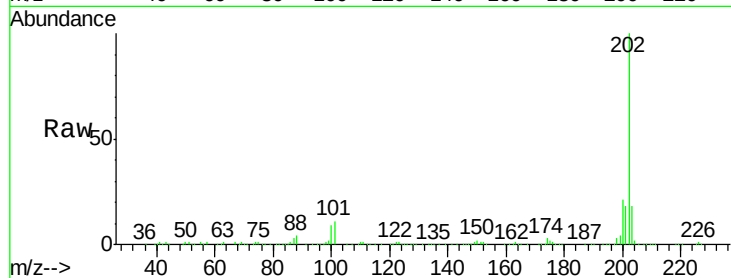
#77
Pvrene
Concen: 14.45 ng
RT: 14.77 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF078867.D
Acq: 1 May 2015 00:38

Instrument :
BNA_F
ClientSampleId :
SB-61S

Tot Ion	Ratio	Resp	Lower	Upper
202	100	258840		
200	21.2		17.5	26.3
203	17.7		13.9	20.9

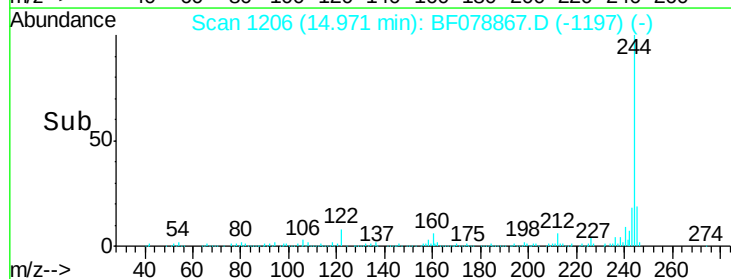
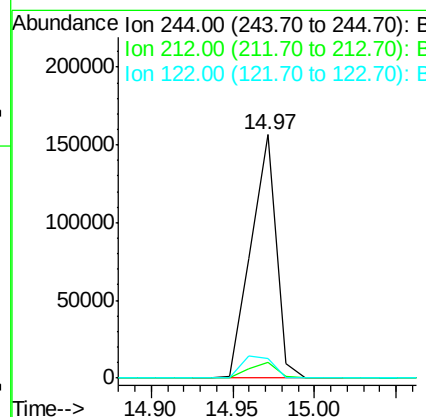
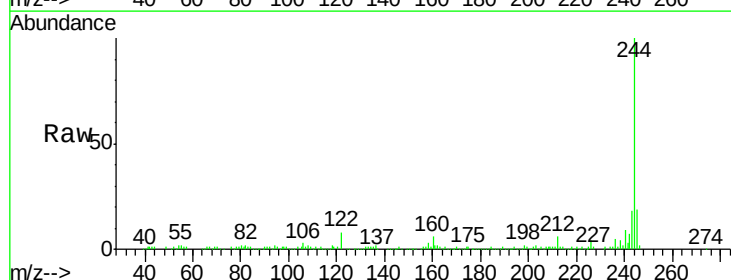
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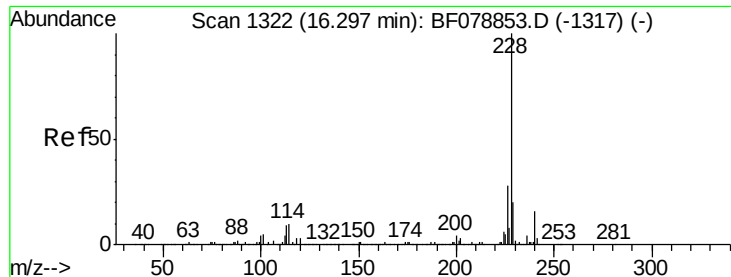
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#78
Terphenyl-d14
Concen: 12.97 ng
RT: 14.97 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BF078867.D
Acq: 1 May 2015 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	168473		
212	6.3		5.6	8.4
122	8.3		10.3	15.5





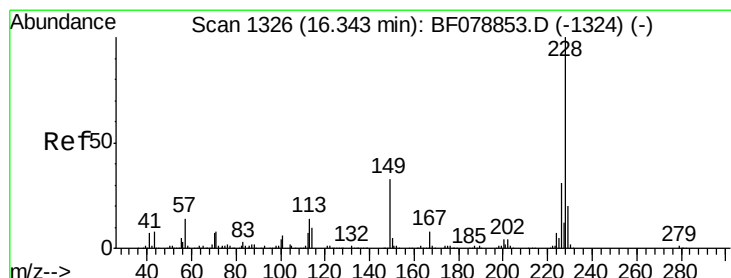
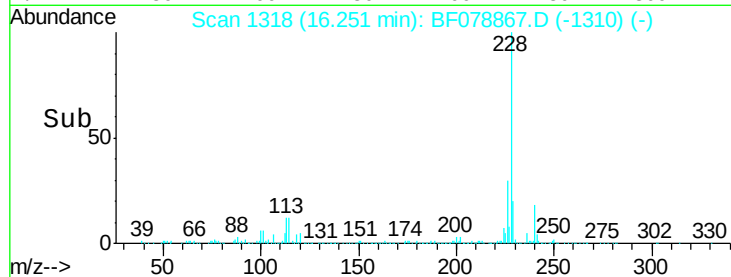
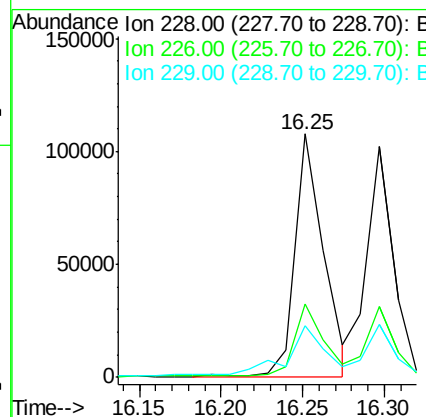
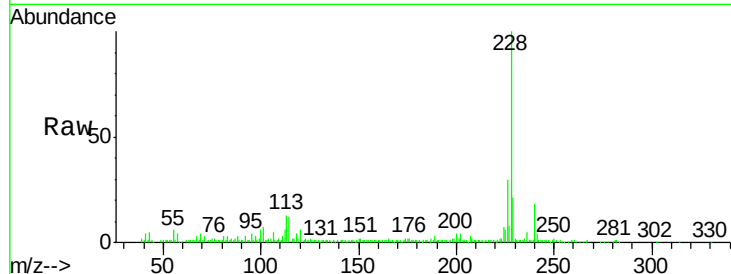
#80
Benzo(a)anthracene
Concen: 7.75 ng
RT: 16.25 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF078867.D
Acq: 1 May 2015 00:38

Instrument :
BNA_F
ClientSampled :
SB-61S

Tot Ion:	228	Resp:	131908
Ion Ratio	Lower	Upper	
228	100		
226	30.3	22.6	33.8
229	21.3	15.9	23.9

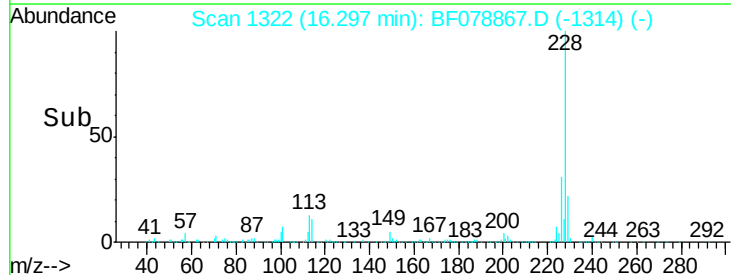
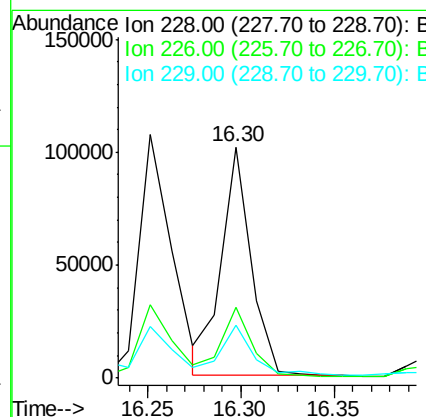
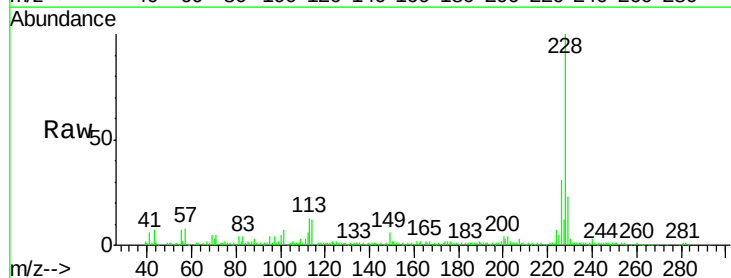
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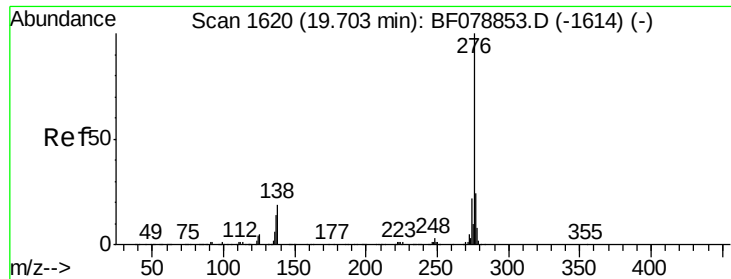
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#82
Chrysene
Concen: 6.89 ng
RT: 16.30 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF078867.D
Acq: 1 May 2015 00:38

Tgt Ion:	228	Resp:	112817
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.9	37.3
229	22.6	16.0	24.0





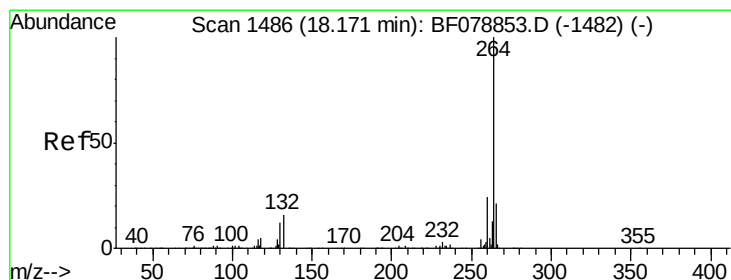
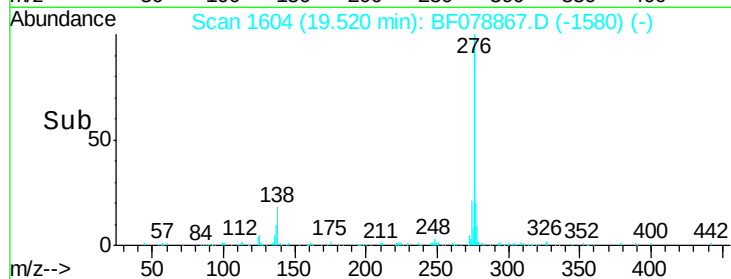
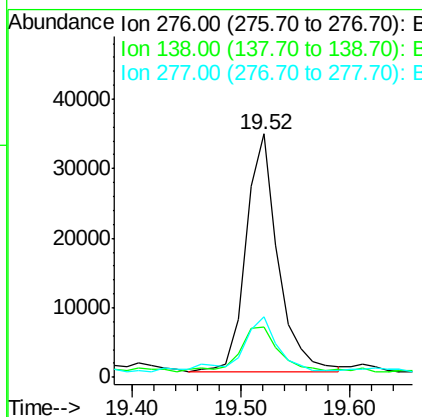
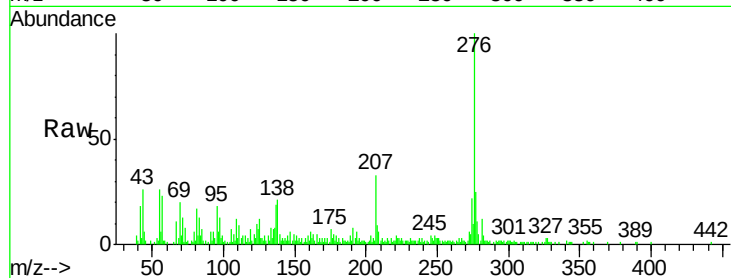
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.36 ng
 RT: 19.52 min Scan# 1604
 Delta R.T. -0.02 min
 Lab File: BF078867.D
 Acq: 1 May 2015 00:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-61S

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.4	0.0	0.0#
277	26.1	0.0	0.0#

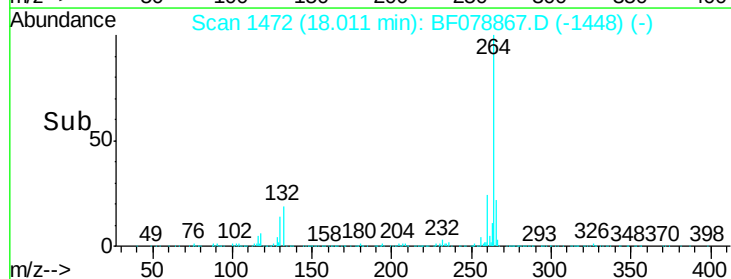
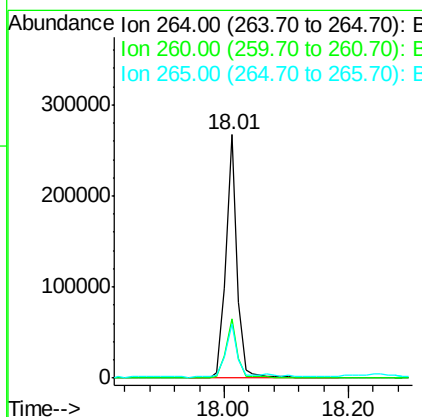
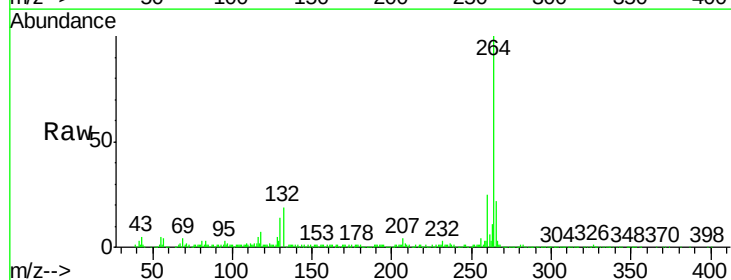
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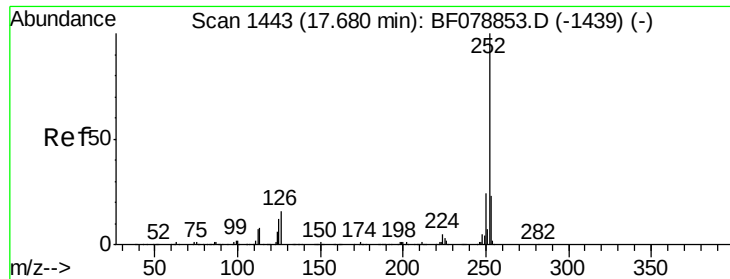
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.01 min Scan# 1472
 Delta R.T. -0.02 min
 Lab File: BF078867.D
 Acq: 1 May 2015 00:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	22.0	18.3	27.5





#87

Benzo(b)fluoranthene

Concen: 8.21 ng m

RT: 17.55 min Scan# 1432

Delta R.T. -0.02 min

Lab File: BF078867.D

Acq: 1 May 2015 00:38

Instrument :

BNA_F

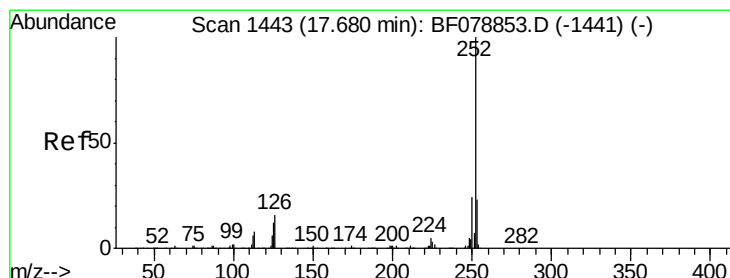
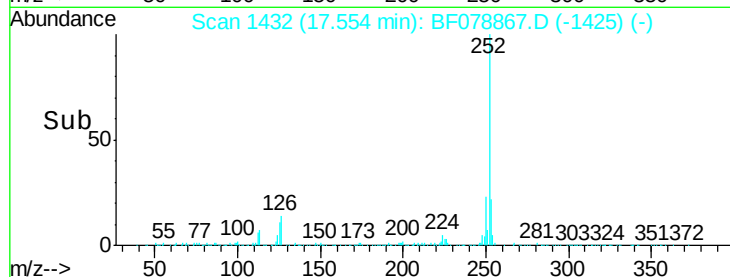
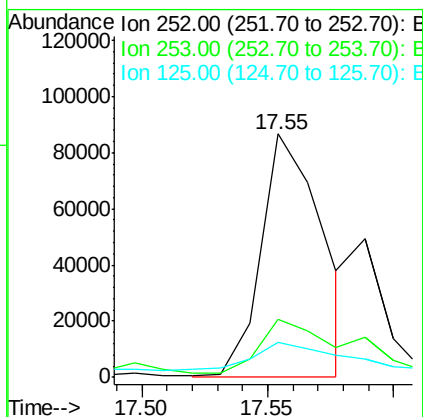
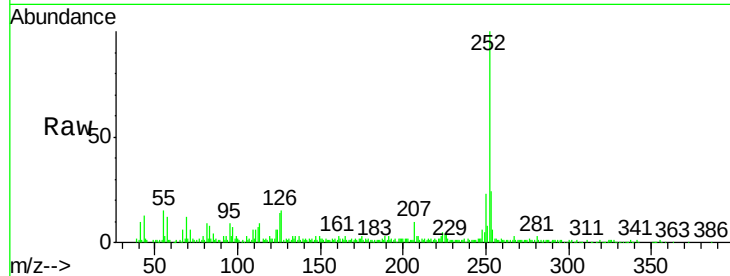
ClientSampleId :

SB-61S

Tot Ion:	252	Resp:	147194
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.7	26.5
125	14.2	9.5	14.3

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#88

Benzo(k)fluoranthene

Concen: 2.70 ng m

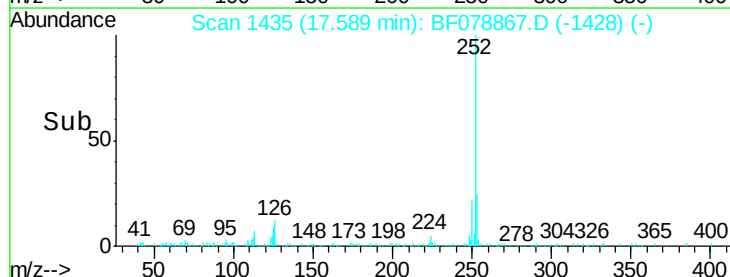
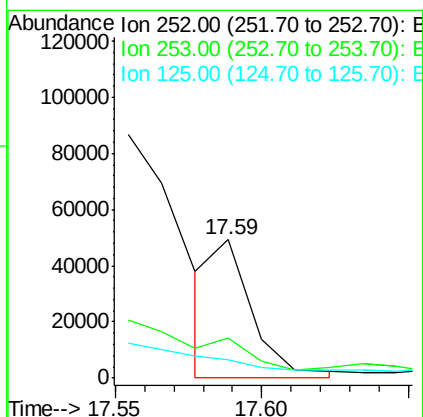
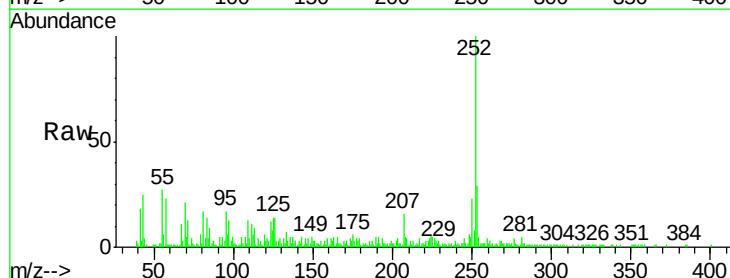
RT: 17.59 min Scan# 1435

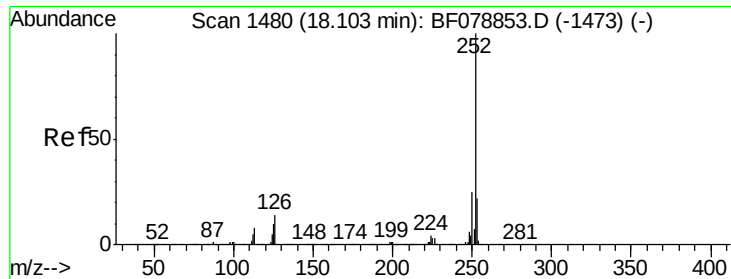
Delta R.T. -0.02 min

Lab File: BF078867.D

Acq: 1 May 2015 00:38

Tgt Ion:	252	Resp:	46906
Ion Ratio	Lower	Upper	
252	100		
253	29.4	18.1	27.1#
125	13.6	10.0	15.0





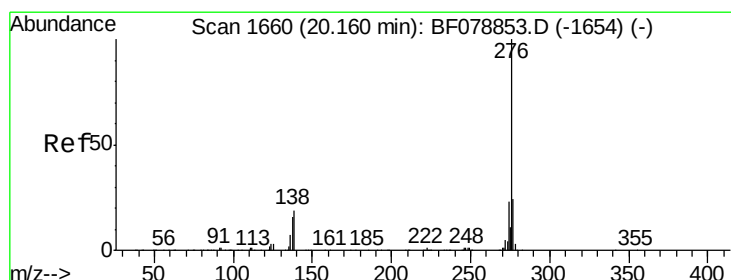
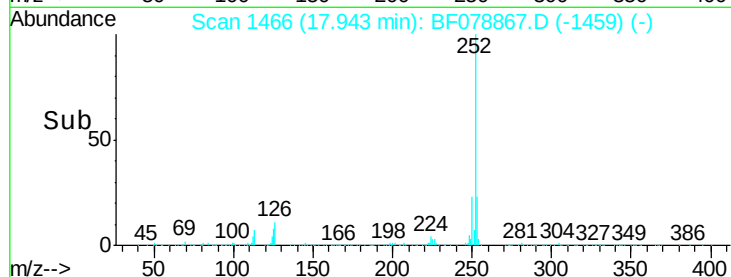
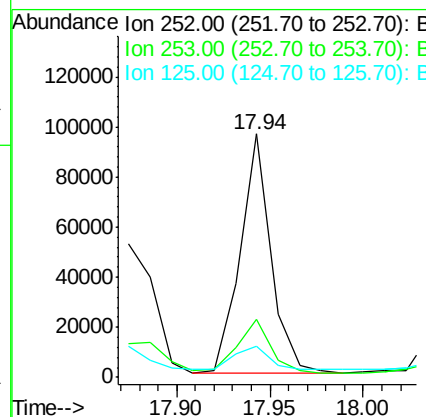
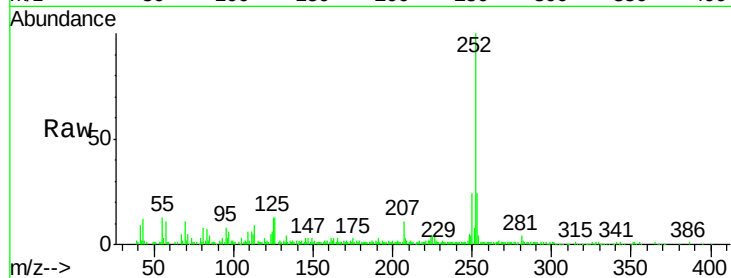
#89
Benzo(a)pyrene
Concen: 6.68 ng
RT: 17.94 min Scan# 1466
Delta R.T. -0.02 min
Lab File: BF078867.D
Acq: 1 May 2015 00:38

Instrument :
BNA_F
ClientSampleId :
SB-61S

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.3	25.9
125	12.5	7.0	10.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.80 ng
RT: 19.97 min Scan# 1643
Delta R.T. -0.03 min
Lab File: BF078867.D
Acq: 1 May 2015 00:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.6	28.0
138	24.0	17.4	26.0

