

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
 Data File : BF078961.D
 Acq On : 6 May 2015 15:36
 Operator : TP/IZ
 Sample : G2116-06 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-46S

Manual Integrations
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Quant Time: May 07 01:47:24 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 00:45:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	72135	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	306718	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	151271	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	309661	20.00	ng	0.00
75) Chrysene-d12	16.27	240	333991	20.00	ng	-0.03
86) Perylene-d12	18.13	264	371510	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	187871	44.83	ng	0.01
7) Phenol-d6	6.89	99	254053	45.86	ng	0.00
23) Nitrobenzene-d5	8.03	82	146337	27.42	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	73397	44.85	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	285597	26.30	ng	0.00
78) Terphenyl-d14	14.94	244	342632	24.56	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	12.97	178	253798	14.65	ng	99
71) Anthracene	13.04	178	67200	3.95	ng	97
74) Fluoranthene	14.46	202	440528	24.40	ng	96
77) Pyrene	14.74	202	393389	20.44	ng	98
80) Benzo(a)anthracene	16.26	228	226636	12.39	ng	99
82) Chrysene	16.31	228	221200m	12.57	ng	
83) Bis(2-ethylhexyl)phthalate	16.32	149	32439	2.55	ng	100
85) Indeno(1,2,3-cd)pyrene	19.63	276	172507	7.70	ng	# 100
87) Benzo(b)fluoranthene	17.65	252	299466m	14.73	ng	
88) Benzo(k)fluoranthene	17.66	252	122950m	6.25	ng	
89) Benzo(a)pyrene	18.06	252	233400	12.47	ng	98
91) Benzo(a,h,i)perylene	20.08	276	177251	8.89	ng	99

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

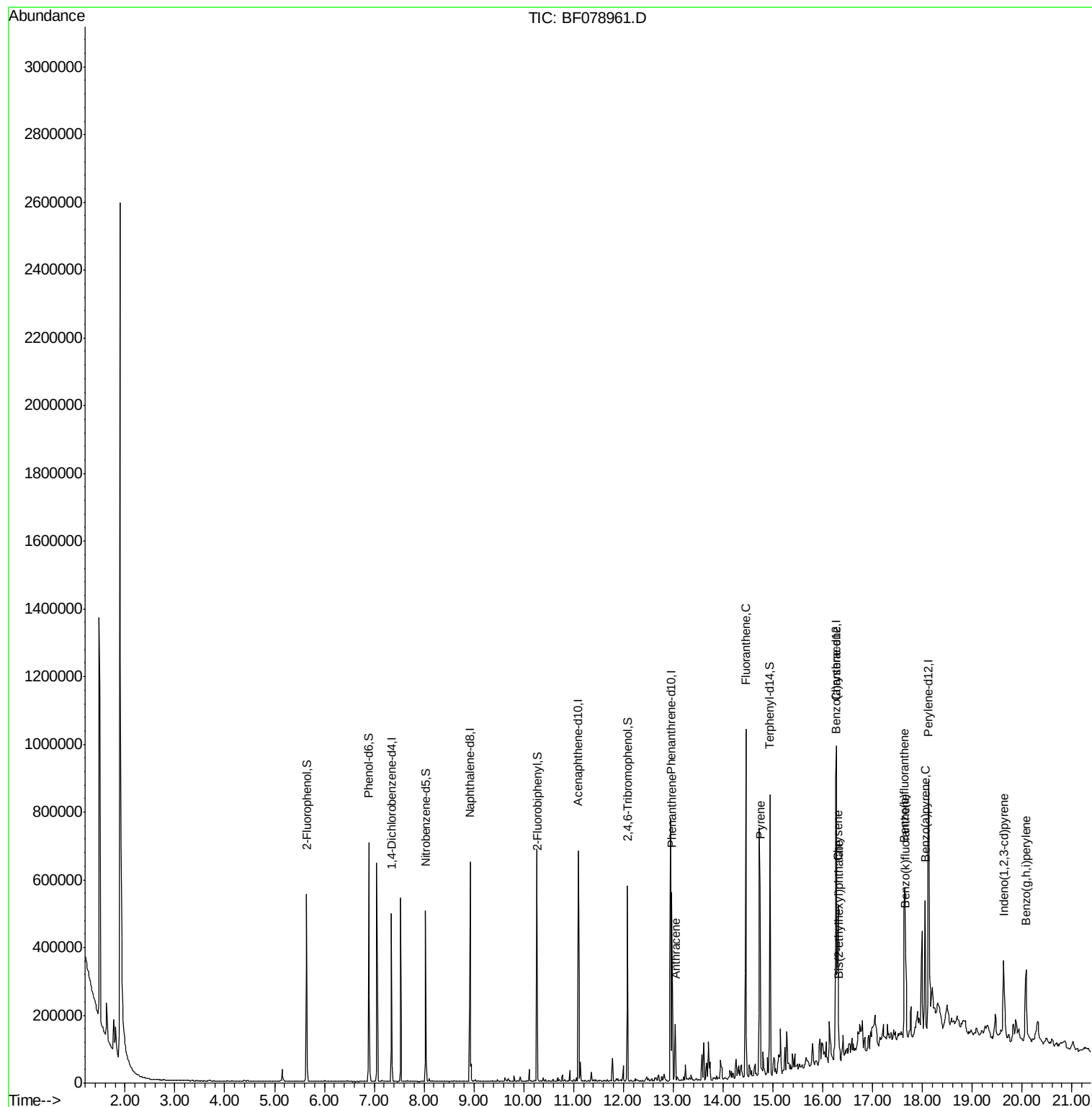
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078961.D
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Sample : G2116-06 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

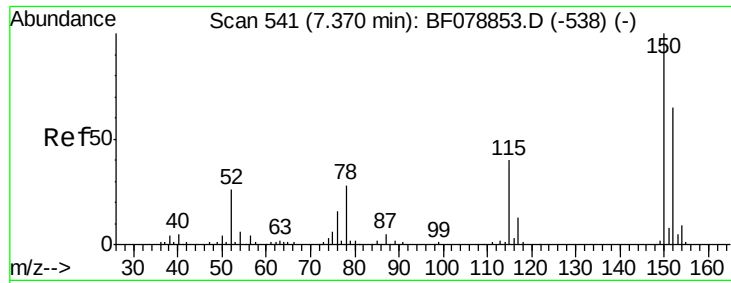
Instrument :
BNA_F
ClientSampled :
SB-46S

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Quant Time: May 07 01:47:24 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
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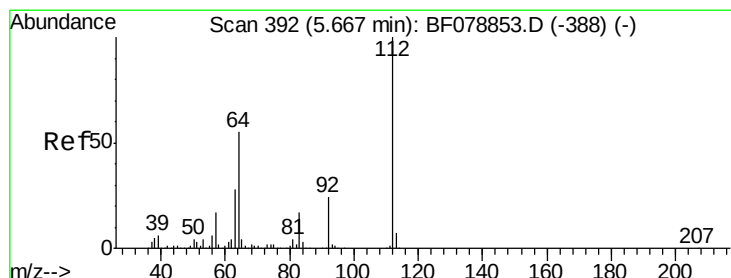
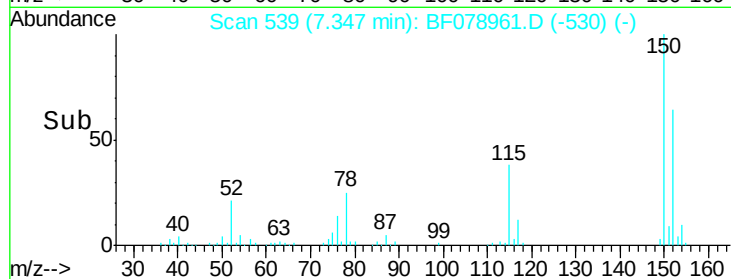
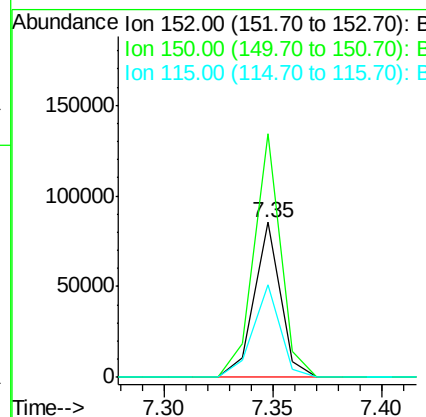
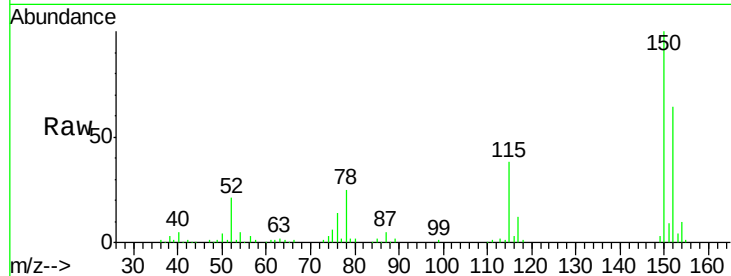
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.35 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: BF078961.D
 Acq: 6 May 2015 15:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-46S

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	122.0	183.0
115	60.0	46.3	69.5

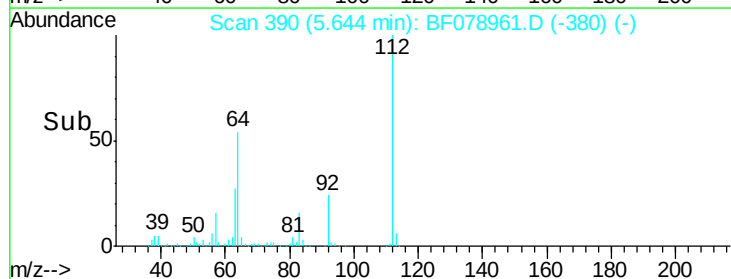
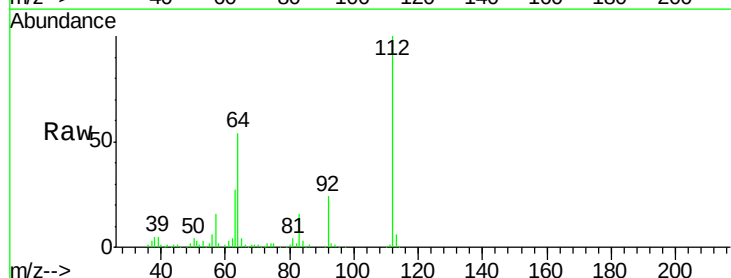
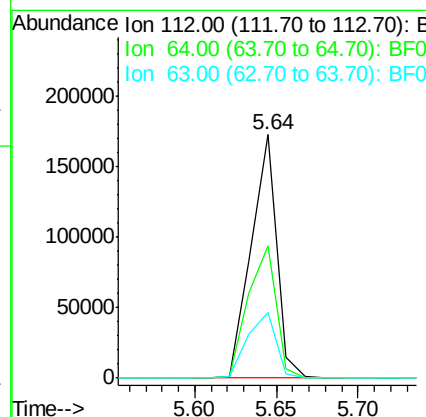
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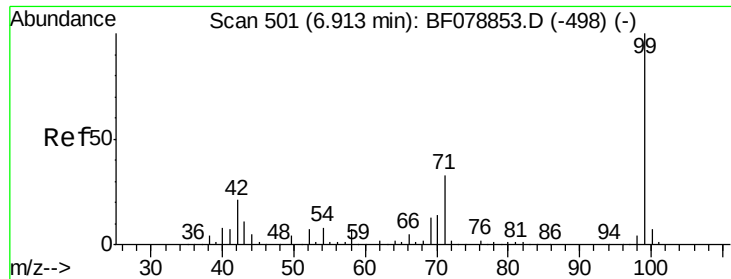
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#5
 2-Fluorophenol
 Concen: 44.83 ng
 RT: 5.64 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: BF078961.D
 Acq: 6 May 2015 15:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	53.5	80.3
63	27.0	27.5	41.3





#7

Phenol-d6

Concen: 45.86 ng

RT: 6.89 min Scan# 499

Delta R.T. 0.00 min

Lab File: BF078961.D

Acq: 6 May 2015 15:36

Instrument :

BNA_F

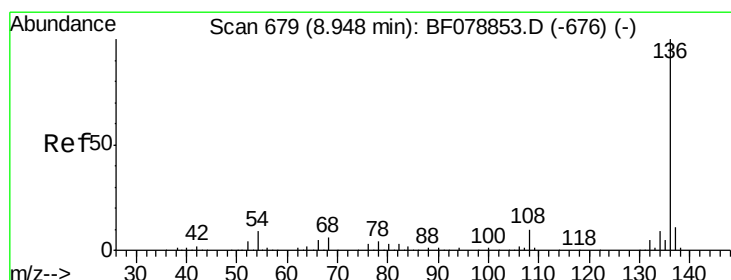
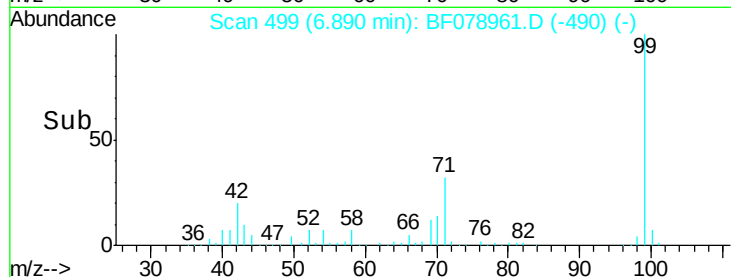
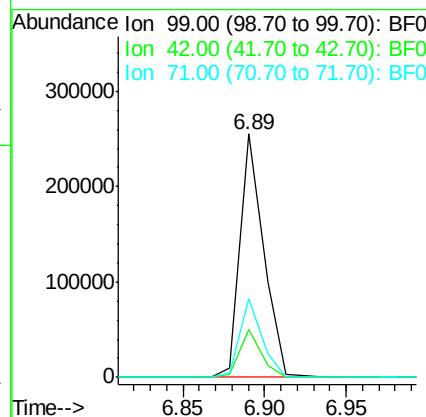
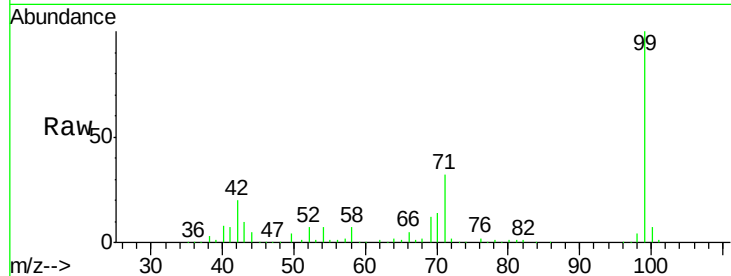
ClientSampleId :

SB-46S

Tot Ion:	99	Resp:	254053
Ion Ratio	Lower	Upper	
99	100		
42	19.9	12.8	19.2#
71	32.4	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

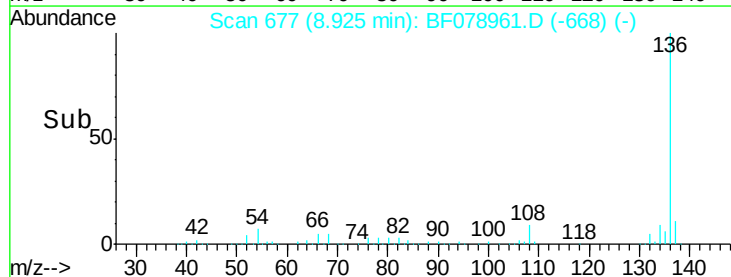
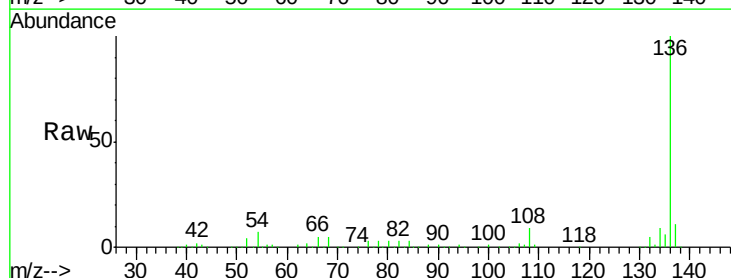
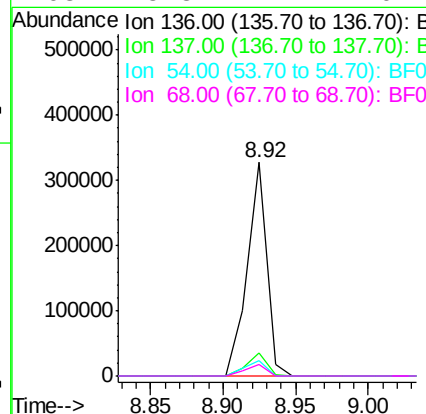
RT: 8.92 min Scan# 677

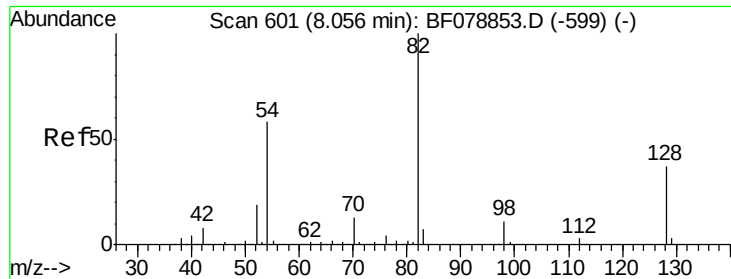
Delta R.T. 0.00 min

Lab File: BF078961.D

Acq: 6 May 2015 15:36

Tgt Ion:	136	Resp:	306718
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.7	13.1
54	7.2	5.8	8.8
68	5.3	4.2	6.4





#23

Nitrobenzene-d5

Concen: 27.42 ng

RT: 8.03 min Scan# 599

Delta R.T. 0.00 min

Lab File: BF078961.D

Acq: 6 May 2015 15:36

Instrument :

BNA_F

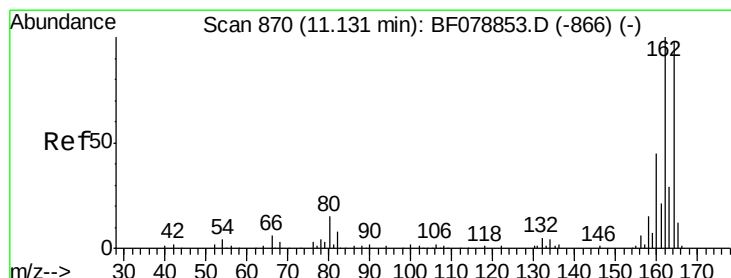
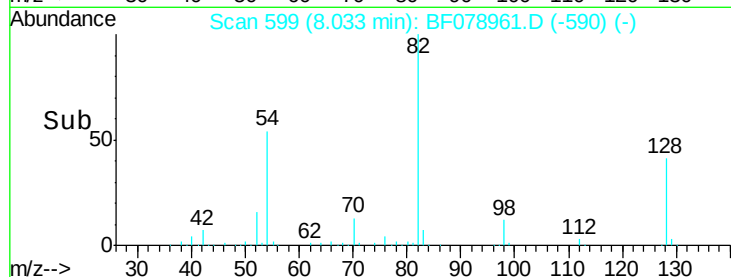
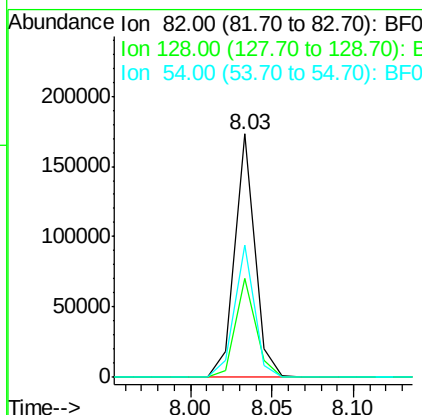
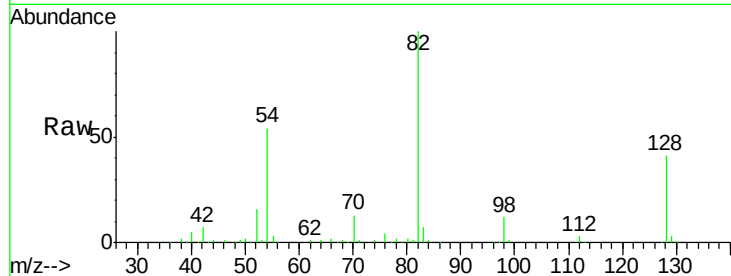
ClientSampleId :

SB-46S

Tot Ion	82	Resp	146337
Ion Ratio	Lower	Upper	
82	100		
128	40.7	30.0	45.0
54	54.5	46.4	69.6

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#38

Acenaphthene-d10

Concen: 20.00 ng

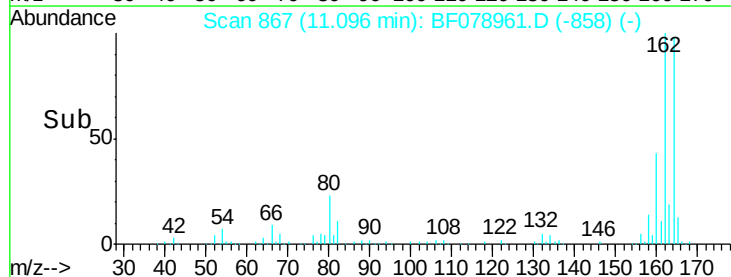
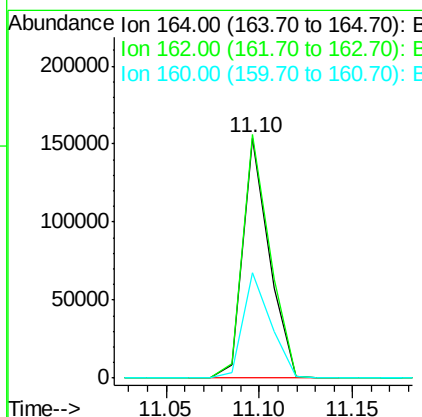
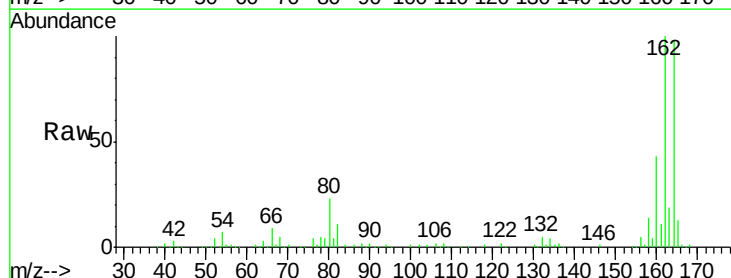
RT: 11.10 min Scan# 867

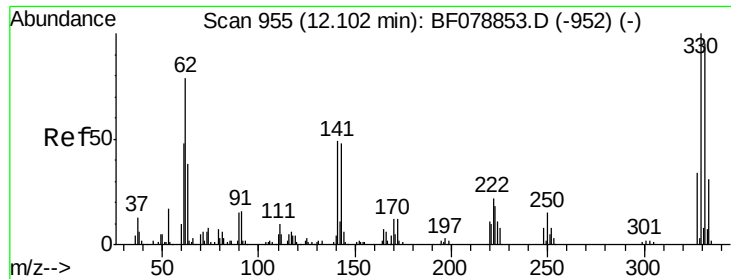
Delta R.T. 0.00 min

Lab File: BF078961.D

Acq: 6 May 2015 15:36

Tgt Ion	164	Resp	151271
Ion Ratio	Lower	Upper	
164	100		
162	101.5	82.7	124.1
160	44.0	35.8	53.8





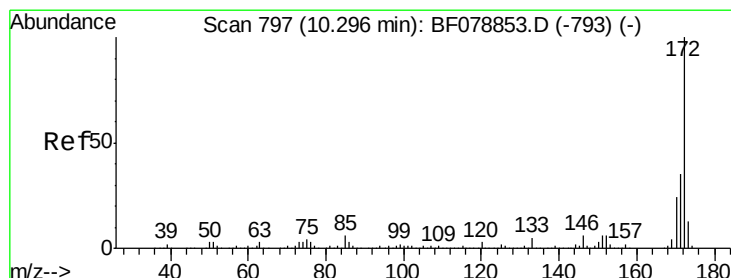
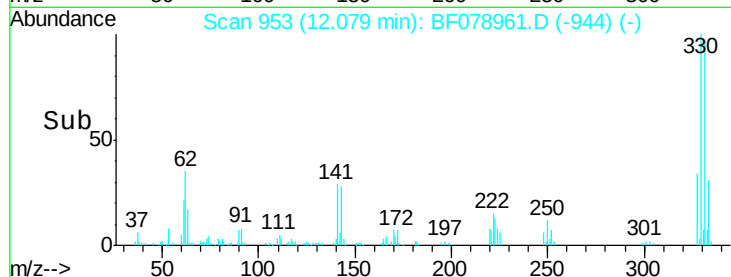
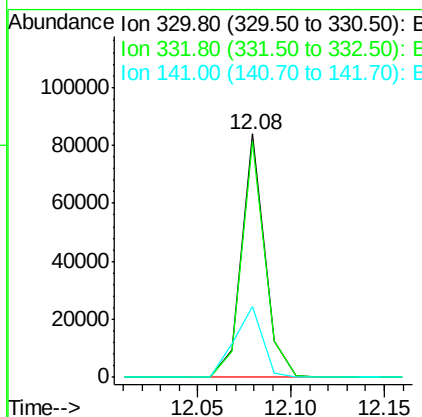
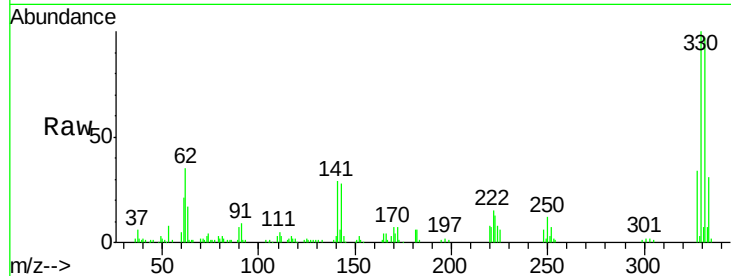
#41
 2,4,6-Tribromophenol
 Concen: 44.85 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF078961.D
 Acq: 6 May 2015 15:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-46S

Tot Ion	Ratio	Resp	Lower	Upper
330	100	73397		
332	97.0	0.0	0.0	0.0
141	35.5	0.0	0.0	0.0

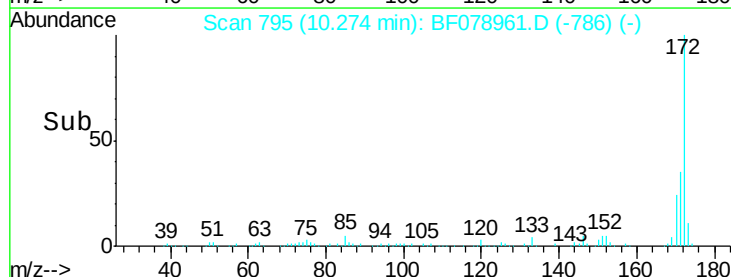
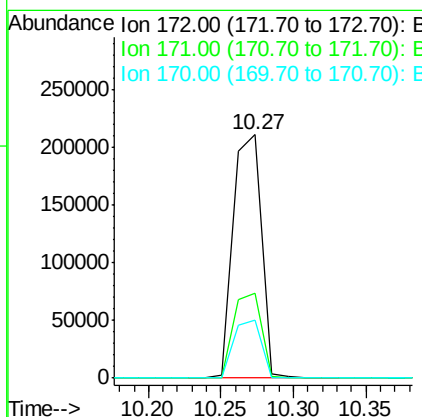
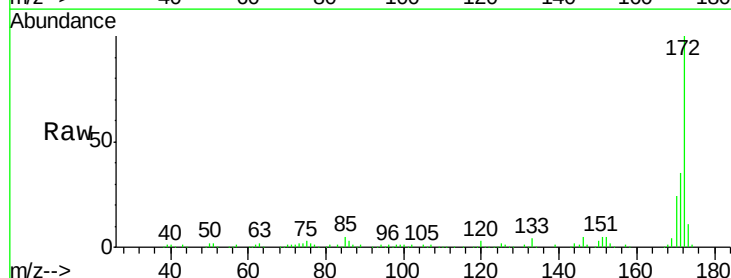
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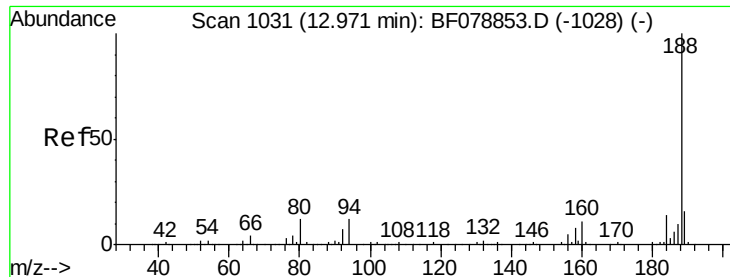
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#44
 2-Fluorobiphenyl
 Concen: 26.30 ng
 RT: 10.27 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: BF078961.D
 Acq: 6 May 2015 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	285597		
171	34.7	27.9	41.9	
170	24.0	19.4	29.0	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.95 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF078961.D

Acq: 6 May 2015 15:36

Instrument :

BNA_F

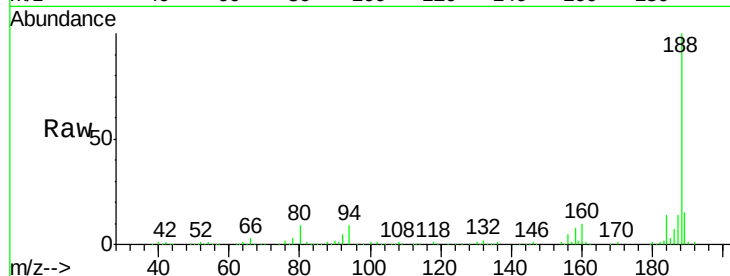
ClientSampleId :

SB-46S

Tot Ion:	188	Resp:	309661
Ion Ratio	Lower	Upper	
188	100		
94	9.2	8.2	12.2
80	9.4	8.9	13.3

Manual Integrations
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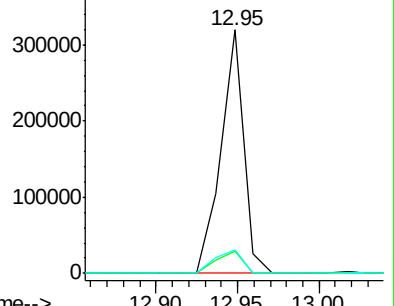
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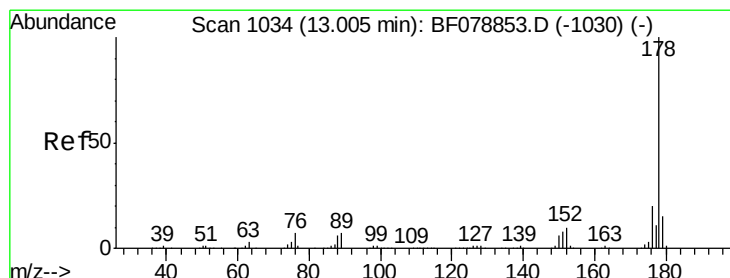
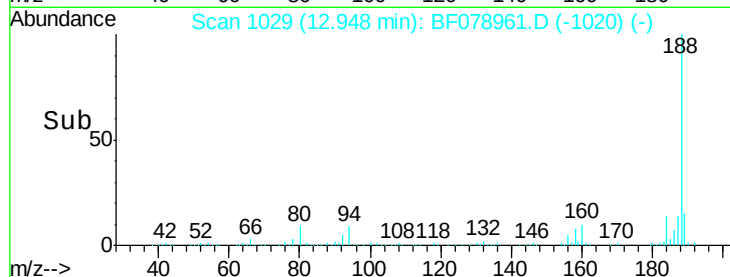
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#70

Phenanthrene

Concen: 14.65 ng

RT: 12.97 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF078961.D

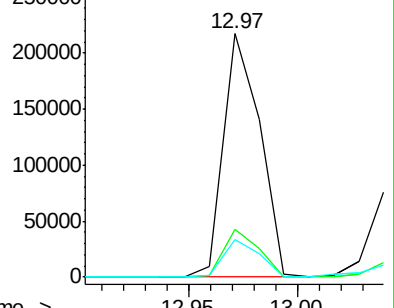
Acq: 6 May 2015 15:36

Tgt Ion:	178	Resp:	253798
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.8	23.8
179	15.2	12.5	18.7

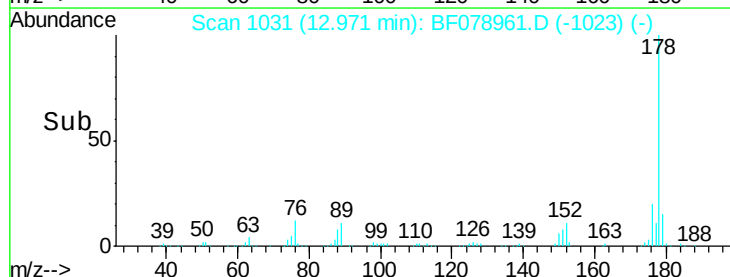
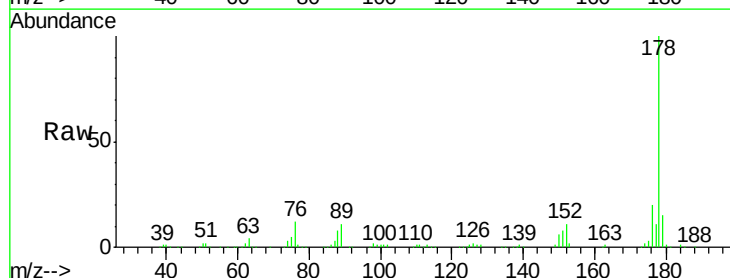
Abundance Ion 178.00 (177.70 to 178.70): E

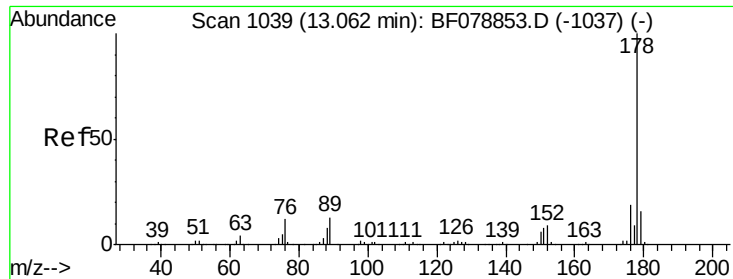
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





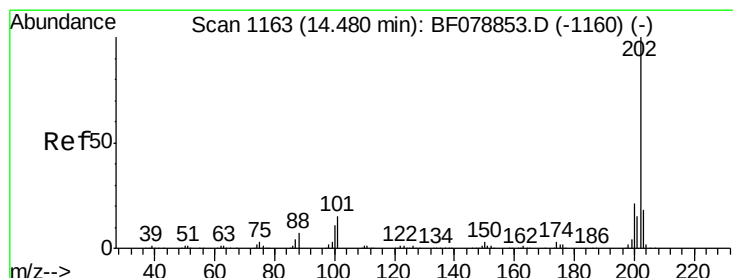
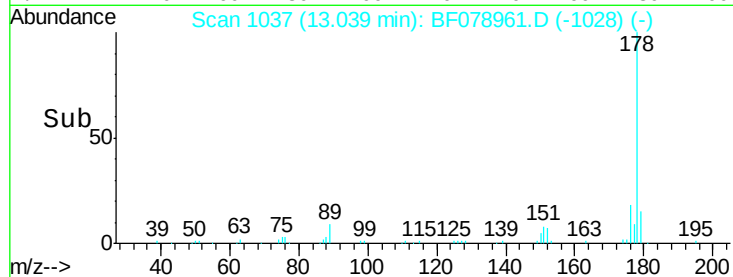
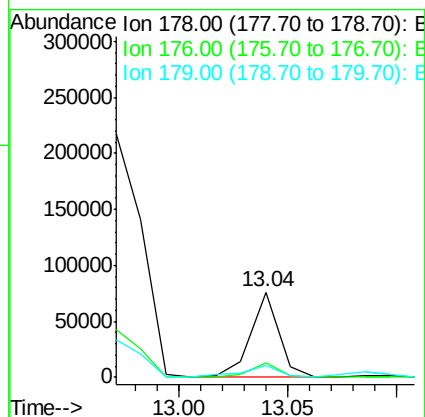
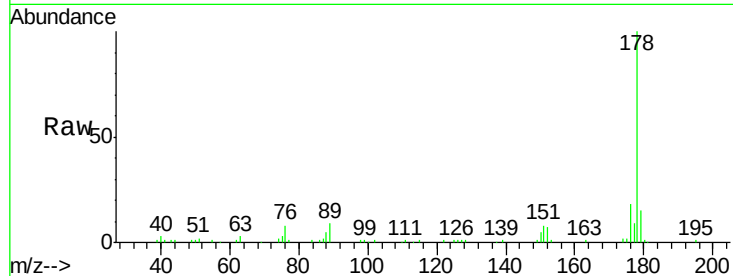
#71
 Anthracene
 Concen: 3.95 ng
 RT: 13.04 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BF078961.D
 Acq: 6 May 2015 15:36

Instrument :
 BNA_F
 ClientSampled :
 SB-46S

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100		67200		
176	17.8	15.5	23.3		
179	14.7	12.7	19.1		

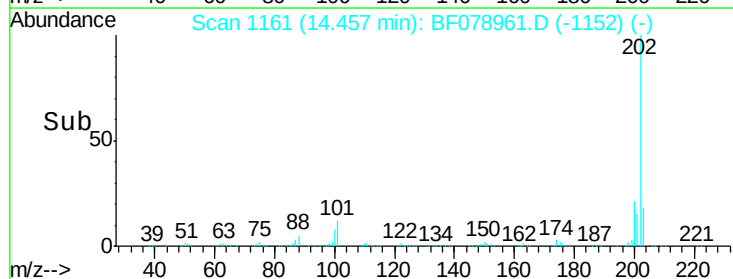
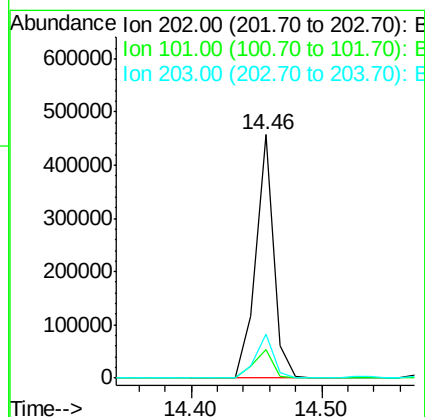
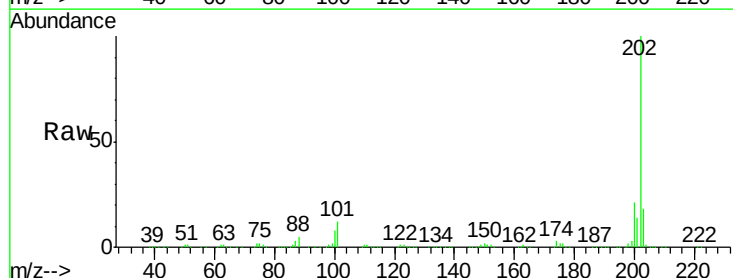
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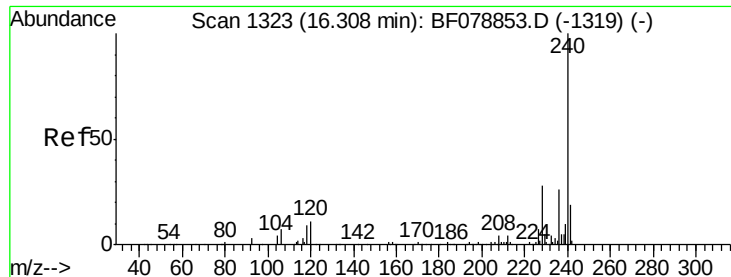
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#74
 Fluoranthene
 Concen: 24.40 ng
 RT: 14.46 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: BF078961.D
 Acq: 6 May 2015 15:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		440528		
101	11.5	0.0	34.6		
203	18.0	0.0	38.4		





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.27 min Scan# 1320

Delta R.T. -0.03 min

Lab File: BF078961.D

Acq: 6 May 2015 15:36

Instrument :

BNA_F

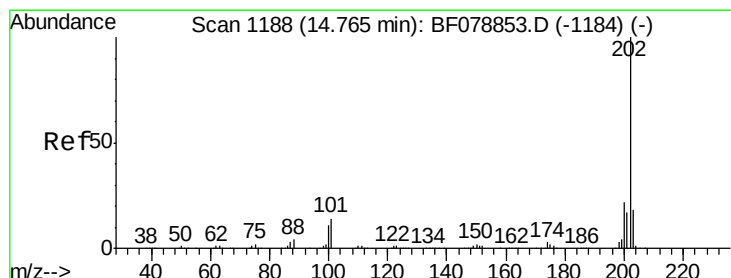
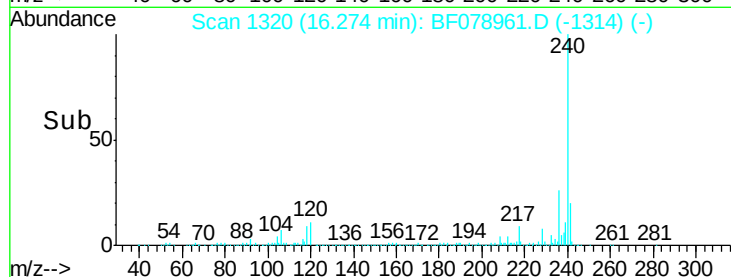
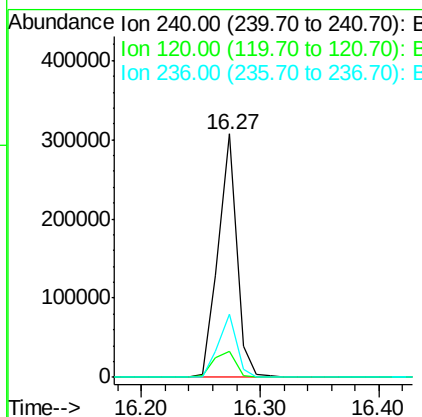
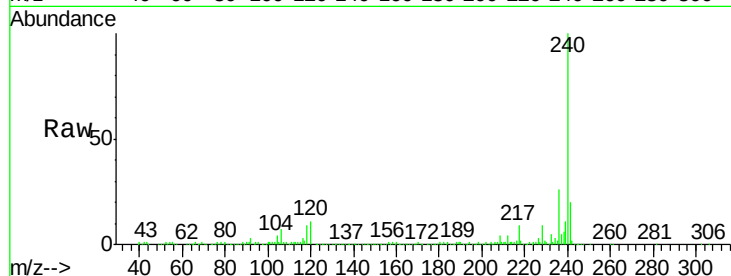
ClientSampleId :

SB-46S

Tot Ion:	240	Resp:	333991
Ion Ratio	Lower	Upper	
240	100		
120	10.7	9.7	14.5
236	26.0	20.2	30.4

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#77

Pyrene

Concen: 20.44 ng

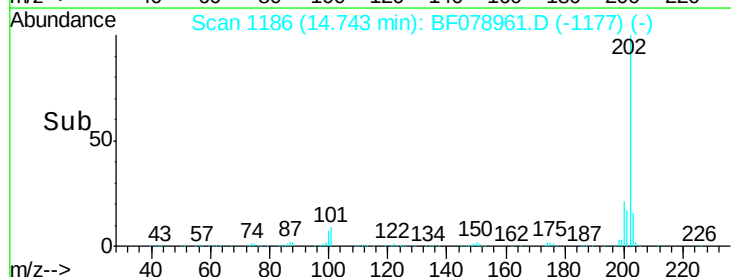
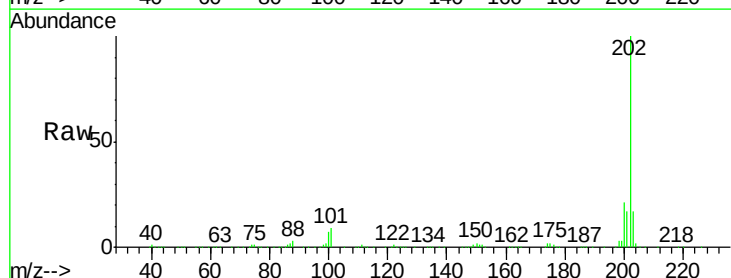
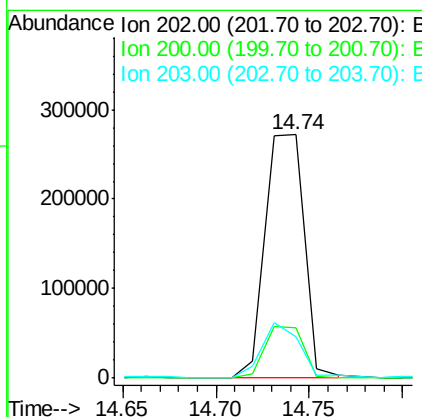
RT: 14.74 min Scan# 1186

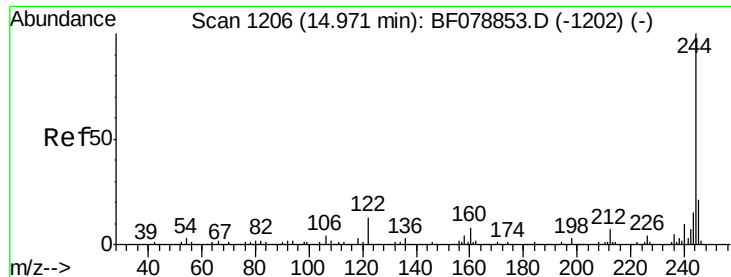
Delta R.T. 0.00 min

Lab File: BF078961.D

Acq: 6 May 2015 15:36

Tgt Ion:	202	Resp:	393389
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.5	26.3
203	17.1	13.9	20.9





#78

Terphenyl-d14

Concen: 24.56 ng

RT: 14.94 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF078961.D

Acq: 6 May 2015 15:36

Instrument :

BNA_F

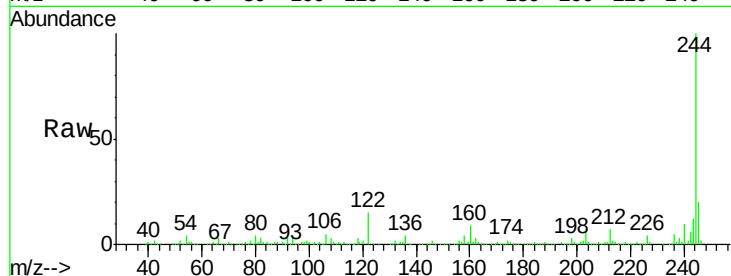
ClientSampleId :

SB-46S

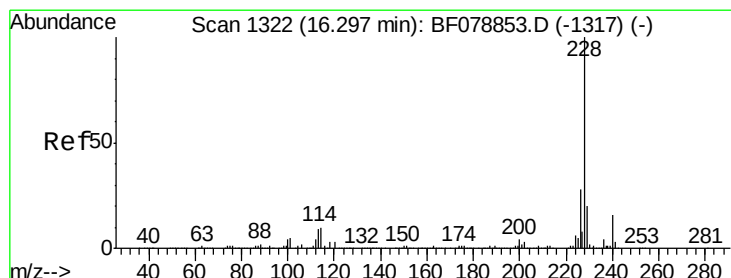
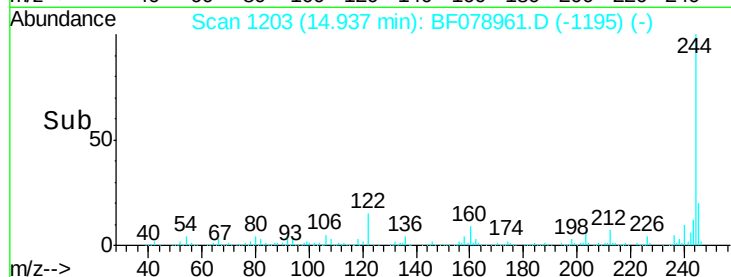
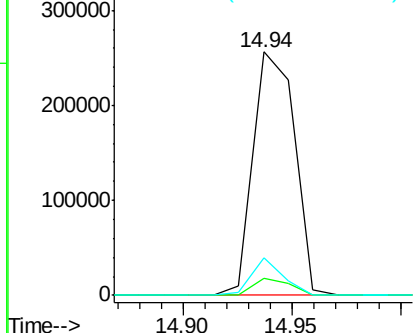
Tot Ion:	244	Resp:	342632
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.6	8.4
122	15.5	10.3	15.5

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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



#80

Benzo(a)anthracene

Concen: 12.39 ng

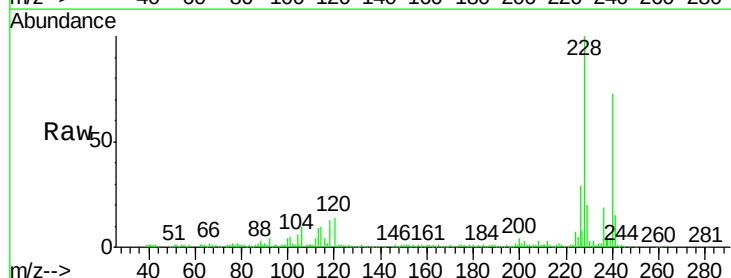
RT: 16.26 min Scan# 1319

Delta R.T. -0.02 min

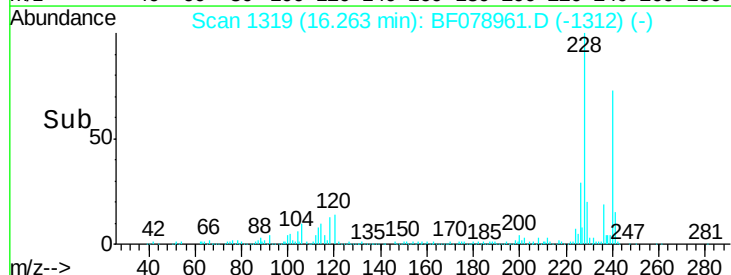
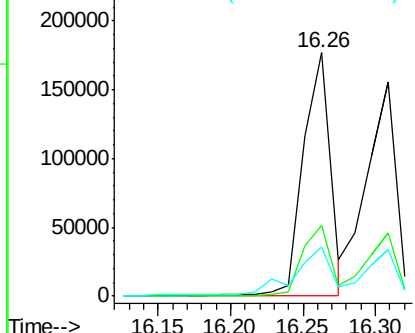
Lab File: BF078961.D

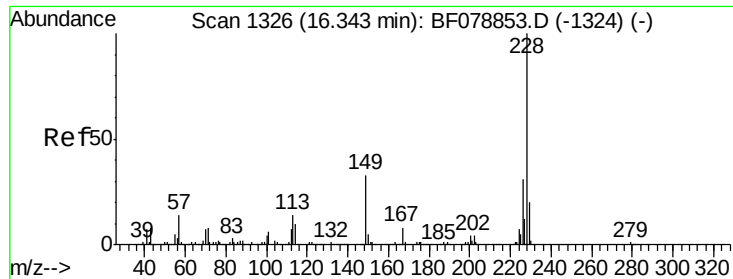
Acq: 6 May 2015 15:36

Tgt Ion:	228	Resp:	226636
Ion Ratio	Lower	Upper	
228	100		
226	29.1	22.6	33.8
229	20.2	15.9	23.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 12.57 ng/mL

RT: 16.31 min Scan# 1323

Delta R.T. -0.03 min

Lab File: BF078961.D

Acq: 6 May 2015 15:36

Instrument :

BNA_F

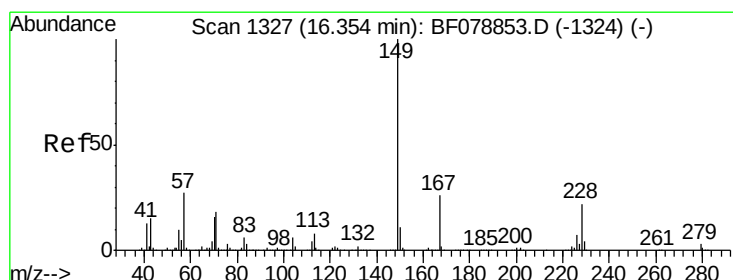
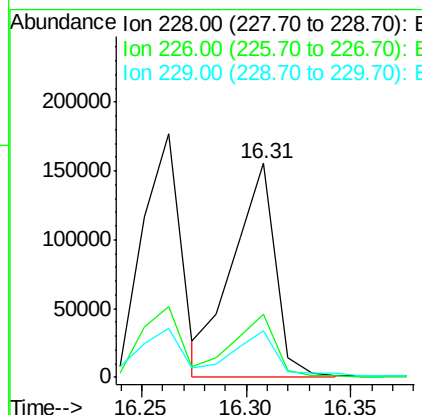
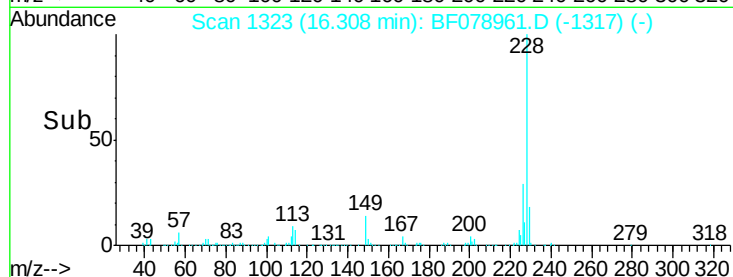
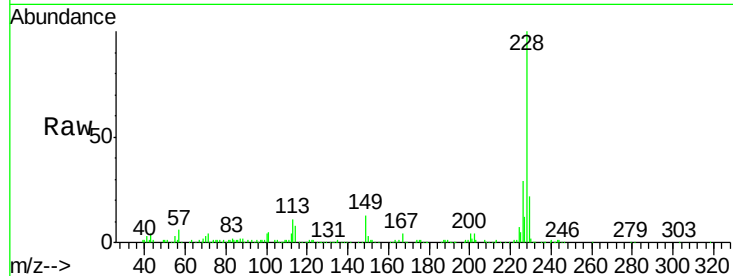
ClientSampleId :

SB-46S

Tot Ion:	228	Resp:	221200
Ion Ratio	Lower	Upper	
228	100		
226	29.5	24.9	37.3
229	21.7	16.0	24.0

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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.55 ng/mL

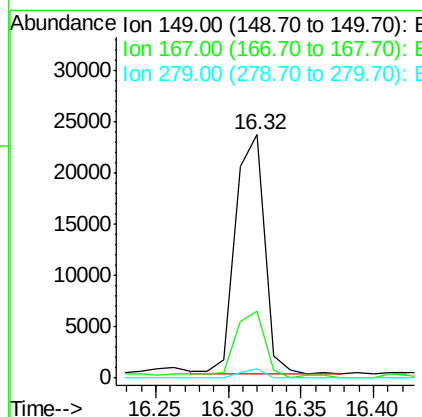
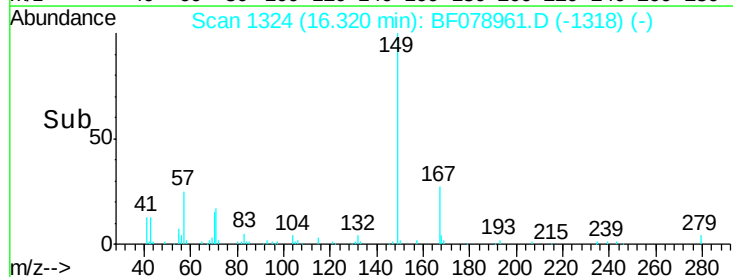
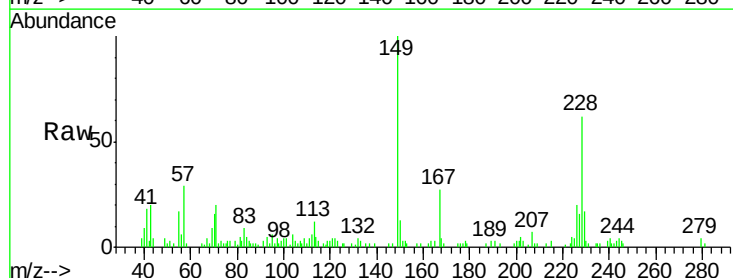
RT: 16.32 min Scan# 1324

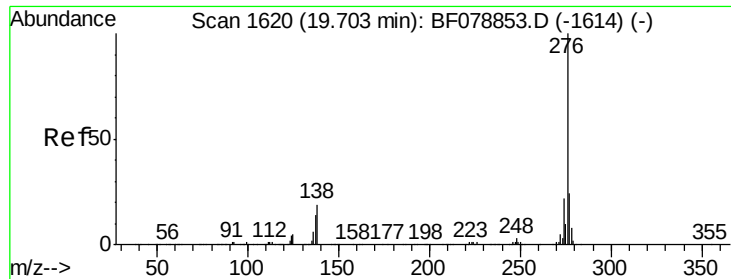
Delta R.T. -0.03 min

Lab File: BF078961.D

Acq: 6 May 2015 15:36

Tgt Ion:	149	Resp:	32439
Ion Ratio	Lower	Upper	
149	100		
167	27.5	21.8	32.8
279	3.7	2.9	4.3





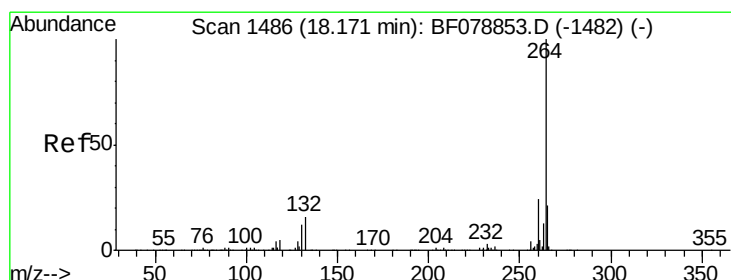
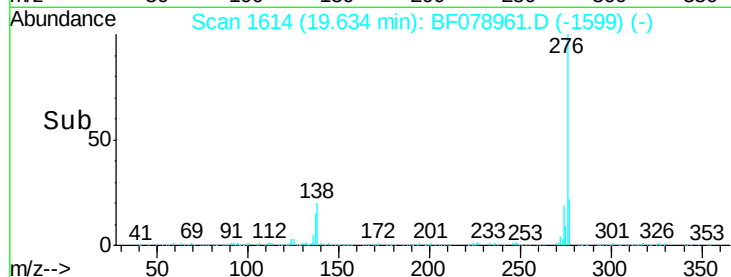
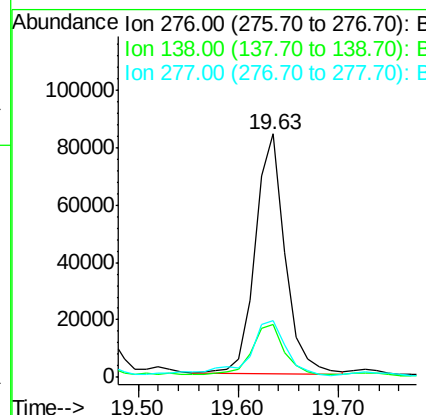
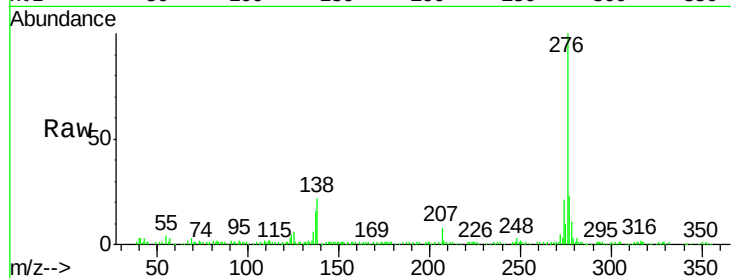
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.70 ng
 RT: 19.63 min Scan# 1614
 Delta R.T. -0.13 min
 Lab File: BF078961.D
 Acq: 6 May 2015 15:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-46S

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	23.5	0.0	0.0#
277	28.3	0.0	0.0#

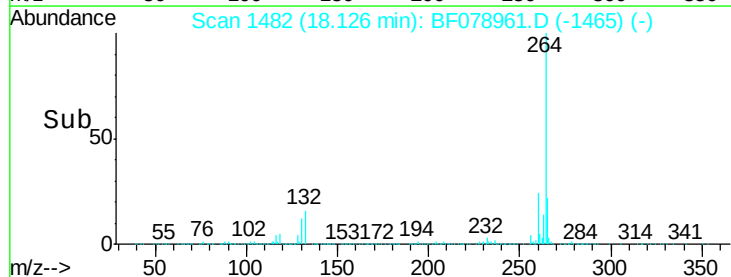
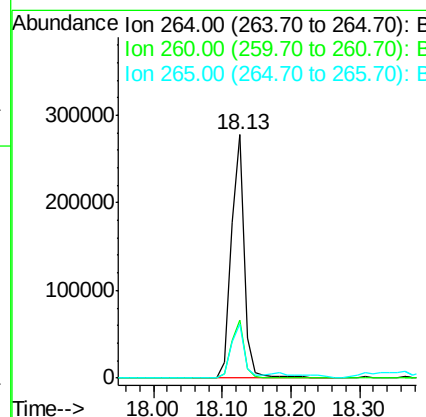
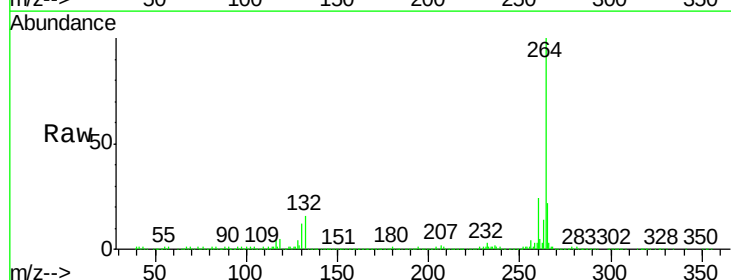
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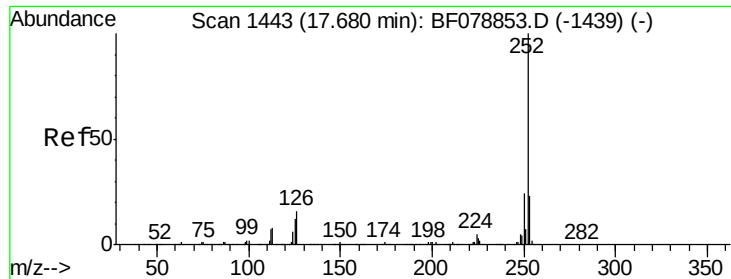
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.13 min Scan# 1482
 Delta R.T. -0.10 min
 Lab File: BF078961.D
 Acq: 6 May 2015 15:36

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.9	19.4	29.2
265	22.0	18.3	27.5





#87

Benzo(b)fluoranthene

Concen: 14.73 ng m

RT: 17.65 min Scan# 1440

Delta R.T. -0.08 min

Lab File: BF078961.D

Acq: 6 May 2015 15:36

Instrument :

BNA_F

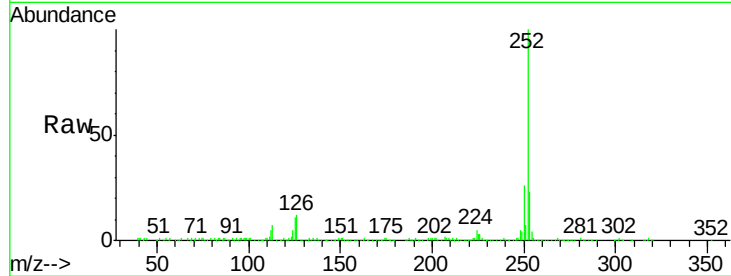
ClientSampled :

SB-46S

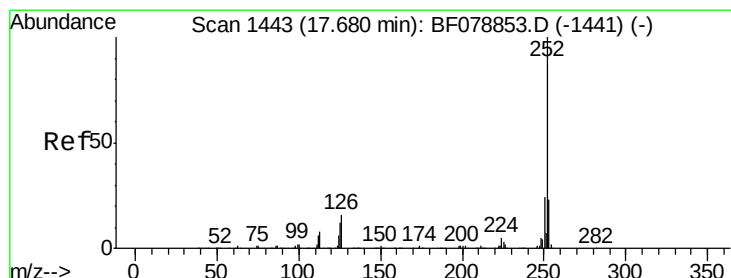
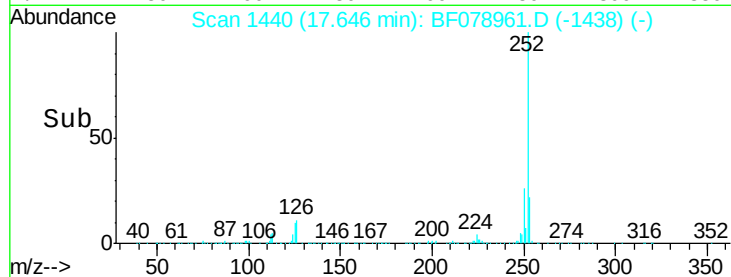
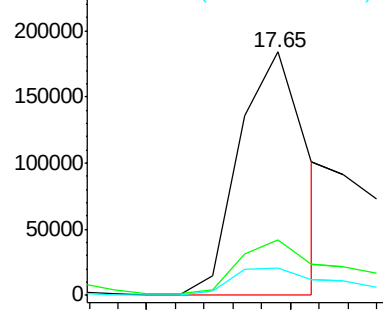
Tot Ion:	252	Resp:	299466
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.7	26.5
125	11.1	9.5	14.3

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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: 6.25 ng m

RT: 17.66 min Scan# 1441

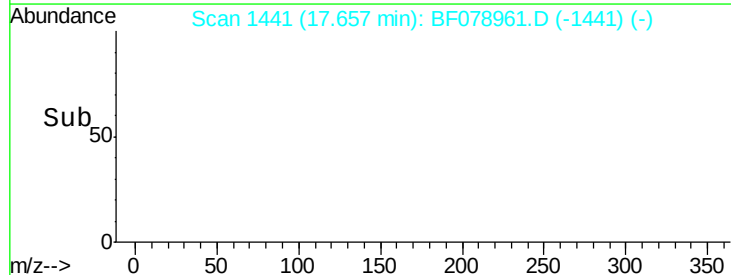
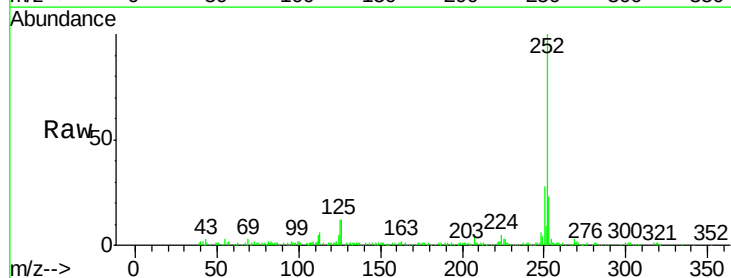
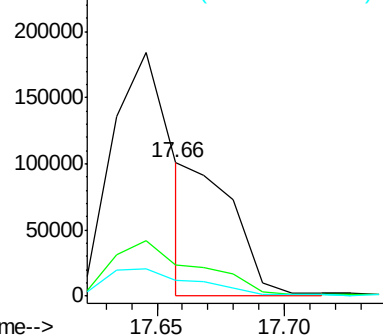
Delta R.T. -0.10 min

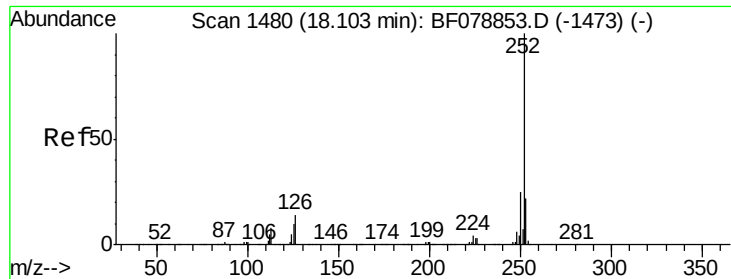
Lab File: BF078961.D

Acq: 6 May 2015 15:36

Tgt Ion:	252	Resp:	122950
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.1	27.1
125	11.6	10.0	15.0

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





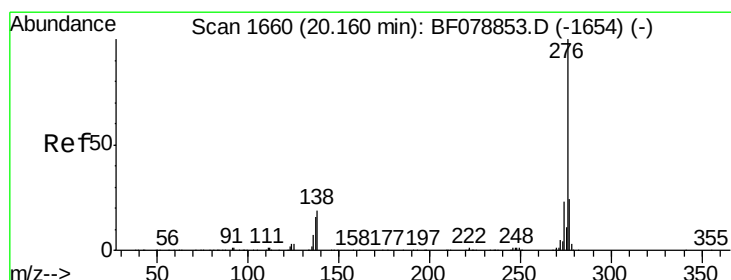
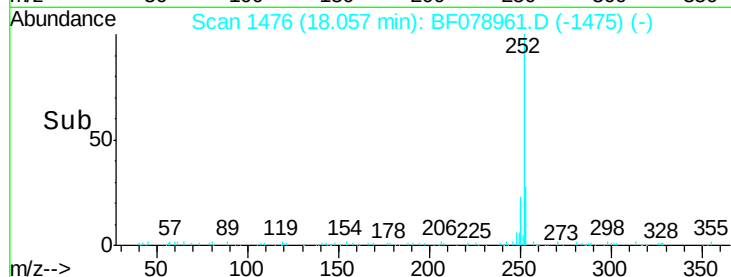
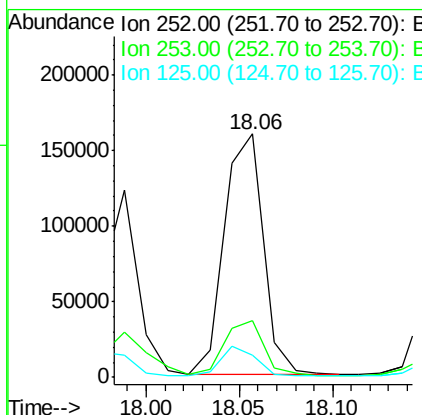
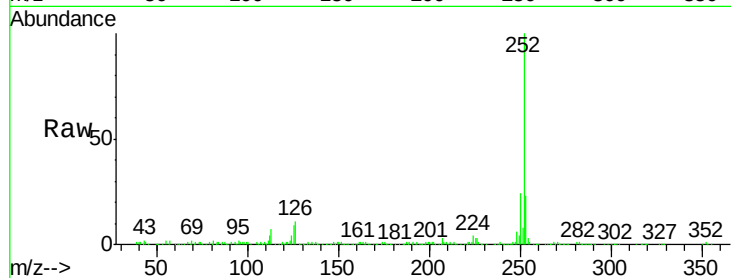
#89
Benzo(a)pyrene
Concen: 12.47 ng
RT: 18.06 min Scan# 1476
Delta R.T. -0.09 min
Lab File: BF078961.D
Acq: 6 May 2015 15:36

Instrument :
BNA_F
ClientSampleId :
SB-46S

Tot Ion:	252	Resp:	233400
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.3	25.9
125	8.9	7.0	10.6

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#91
Benzo(g,h,i)perylene
Concen: 8.89 ng
RT: 20.08 min Scan# 1653
Delta R.T. -0.13 min
Lab File: BF078961.D
Acq: 6 May 2015 15:36

Tgt Ion:	276	Resp:	177251
Ion Ratio	Lower	Upper	
276	100		
277	23.4	18.6	28.0
138	20.6	17.4	26.0

