

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
 Data File : BF078953.D
 Acq On : 6 May 2015 11:48
 Operator : TP/IZ
 Sample : G2114-16
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-6(0-6)

Manual Integrations
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Quant Time: May 07 11:22:53 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	65329	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	275160	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	132749	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	260926	20.00	ng	0.00
75) Chrysene-d12	16.25	240	293131	20.00	ng	-0.06
86) Perylene-d12	18.03	264	321460	20.00	ng	-0.19
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	273483	72.06	ng	0.01
7) Phenol-d6	6.89	99	362368	72.23	ng	0.00
23) Nitrobenzene-d5	8.03	82	204194	42.65	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	103424	72.02	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	390950	41.03	ng	0.00
78) Terphenyl-d14	14.94	244	487848m	39.84	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	10.78	163	25438	2.61	ng	99
70) Phenanthrene	12.97	178	113834	7.80	ng	99
71) Anthracene	13.04	178	33583	2.35	ng	99
74) Fluoranthene	14.46	202	243409	16.00	ng	94
77) Pyrene	14.73	202	235809m	13.96	ng	
80) Benzo(a)anthracene	16.24	228	133804m	8.34	ng	
82) Chrysene	16.29	228	140394m	9.09	ng	
85) Indeno(1,2,3-cd)pyrene	19.53	276	101861m	5.18	ng	
87) Benzo(b)fluoranthene	17.58	252	210322m	11.95	ng	
88) Benzo(k)fluoranthene	17.61	252	47371m	2.78	ng	
89) Benzo(a)pyrene	17.97	252	148307	9.15	ng	# 94
91) Benzo(a,h,i)perylene	19.98	276	101710	5.89	ng	98

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

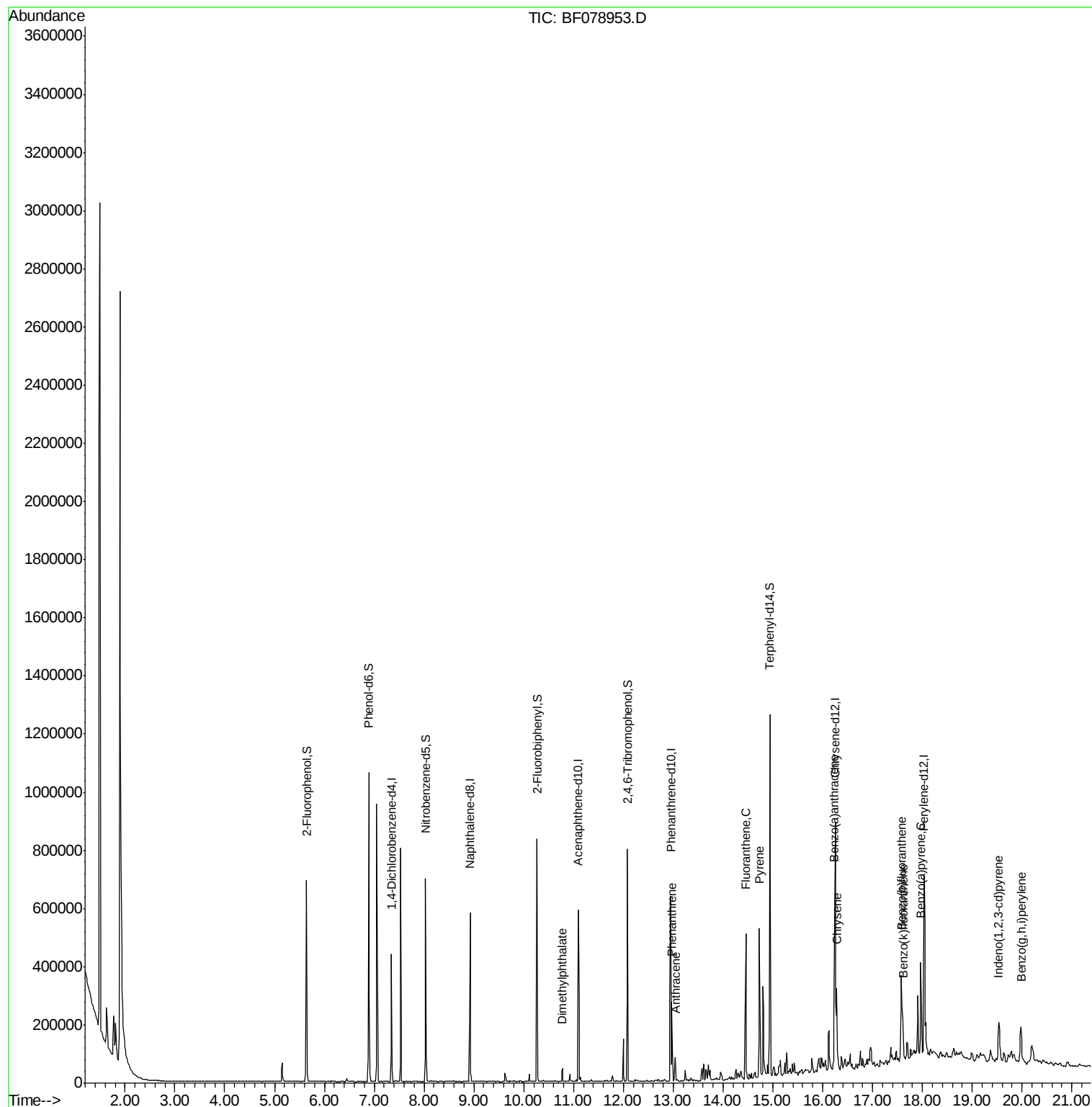
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078953.D
Acq On : 6 May 2015 11:48
Operator : TP/IZ
Sample : G2114-16
Misc :
ALS Vial : 3 Sample Multiplier: 1

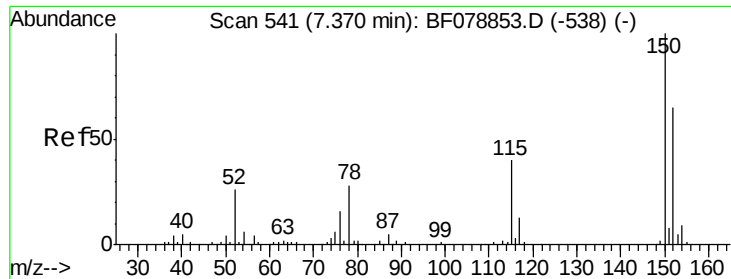
Instrument :
BNA_F
ClientSampleId :
GRID-6(0-6)

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#1

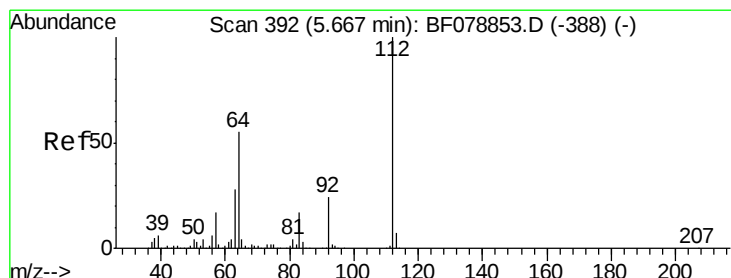
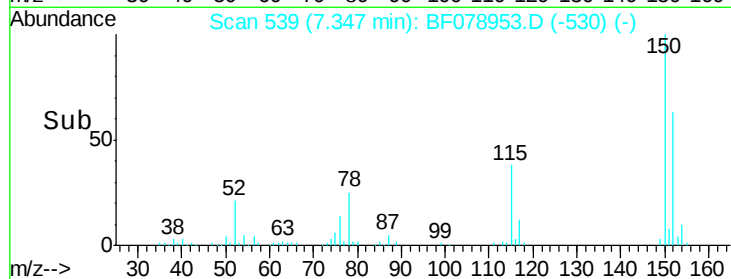
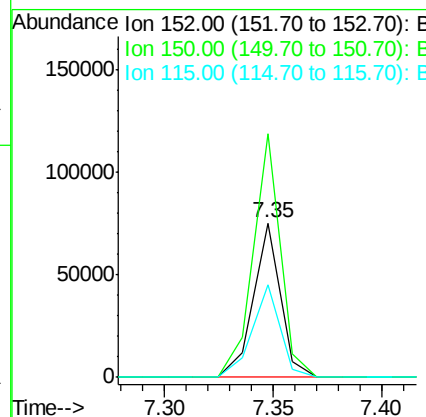
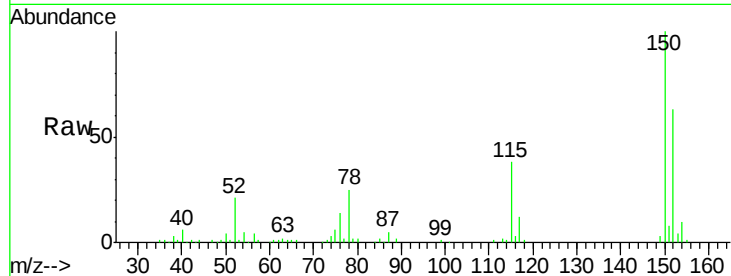
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 539
Delta R.T. 0.00 min
Lab File: BF078953.D
Acq: 6 May 2015 11:48

Instrument :
BNA_F
ClientSampleId :
GRID-6(0-6)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	122.0	183.0
115	59.7	46.3	69.5

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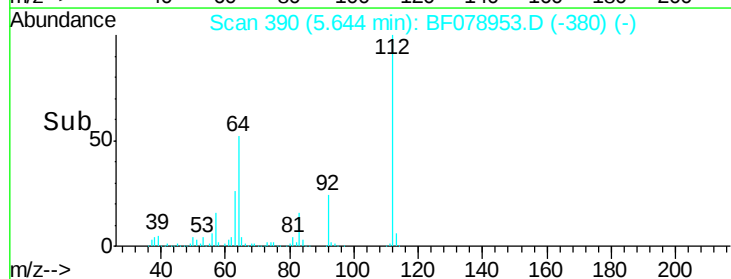
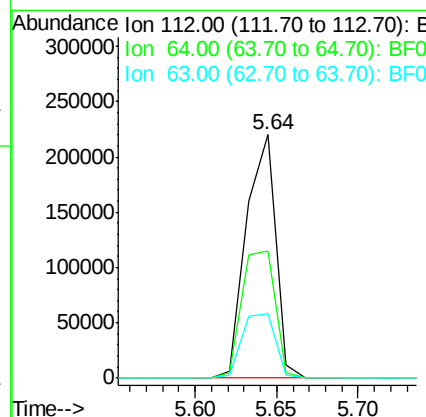
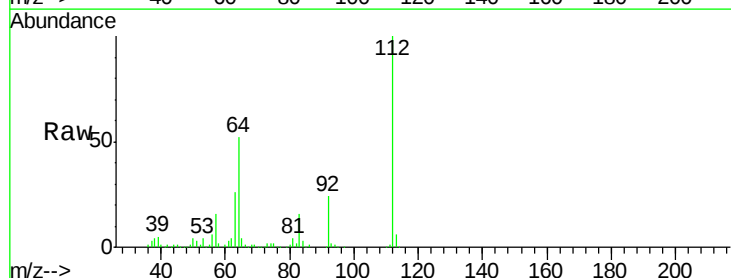
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#5

2-Fluorophenol
Concen: 72.06 ng
RT: 5.64 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF078953.D
Acq: 6 May 2015 11:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	53.5	80.3#
63	26.3	27.5	41.3#





#7

Phenol-d6

Concen: 72.23 ng

RT: 6.89 min Scan# 499

Delta R.T. 0.00 min

Lab File: BF078953.D

Acq: 6 May 2015 11:48

Instrument :

BNA_F

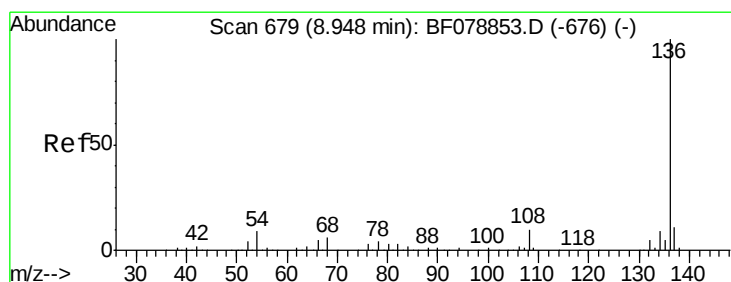
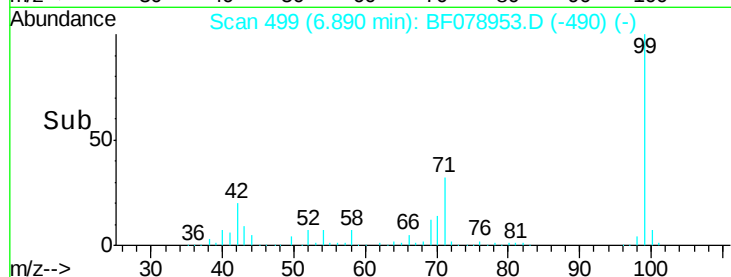
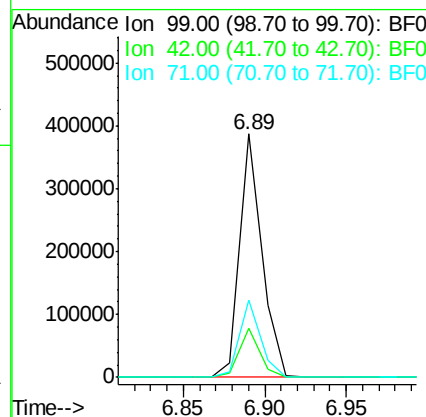
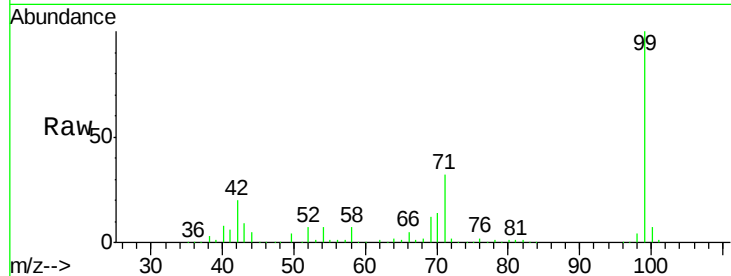
ClientSampled :

GRID-6(0-6)

Tot Ion:	99	Resp:	362368
Ion Ratio	Lower	Upper	
99	100		
42	20.0	12.8	19.2#
71	31.9	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

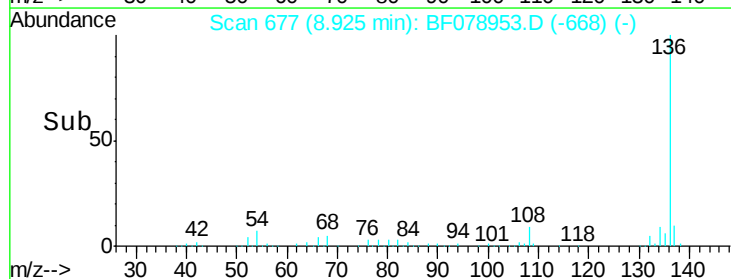
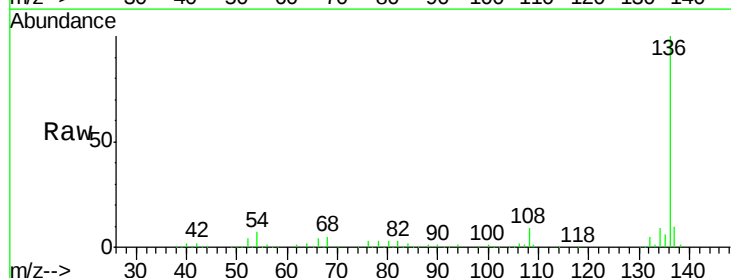
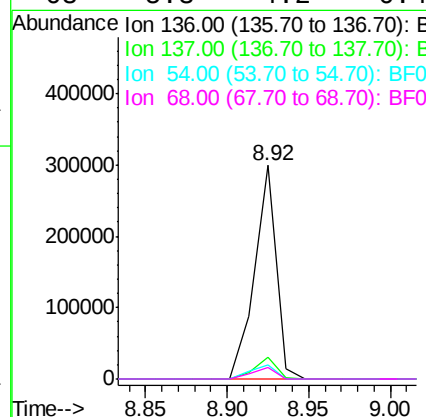
RT: 8.92 min Scan# 677

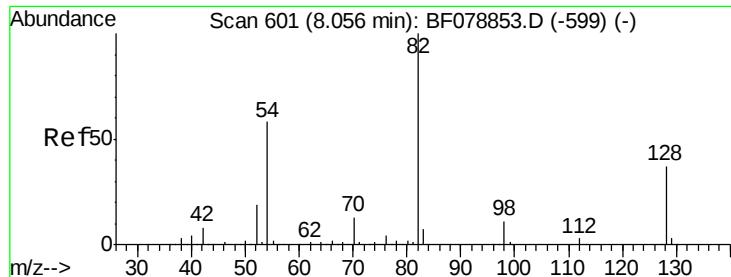
Delta R.T. 0.00 min

Lab File: BF078953.D

Acq: 6 May 2015 11:48

Tgt Ion:	136	Resp:	275160
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.7	13.1
54	6.7	5.8	8.8
68	5.3	4.2	6.4





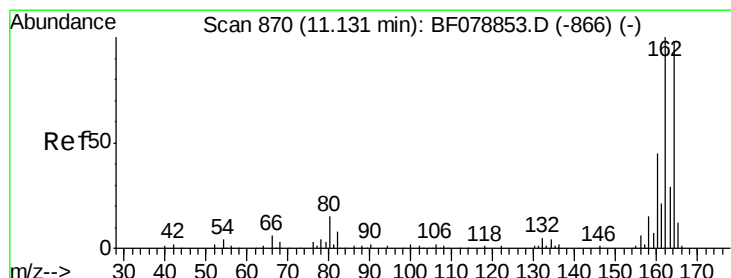
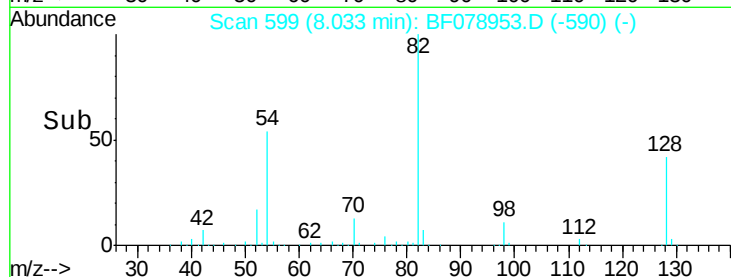
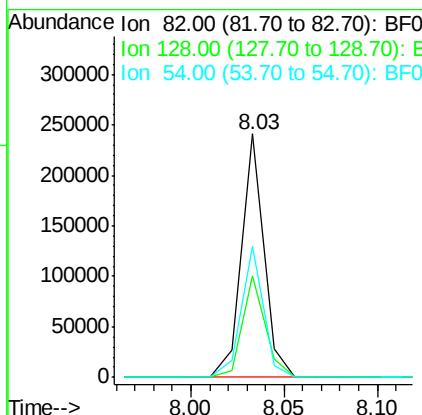
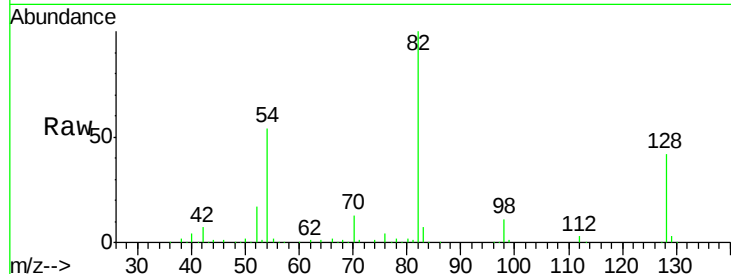
#23
 Nitrobenzene-d5
 Concen: 42.65 ng
 RT: 8.03 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF078953.D
 Acq: 6 May 2015 11:48

Instrument :
 BNA_F
 ClientSampleId :
 GRID-6(0-6)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	204194		
128	41.6	30.0	45.0	
54	53.9	46.4	69.6	

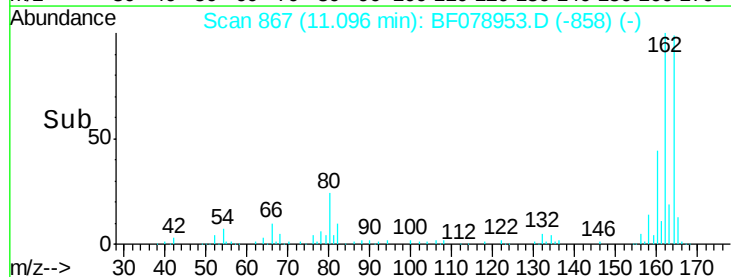
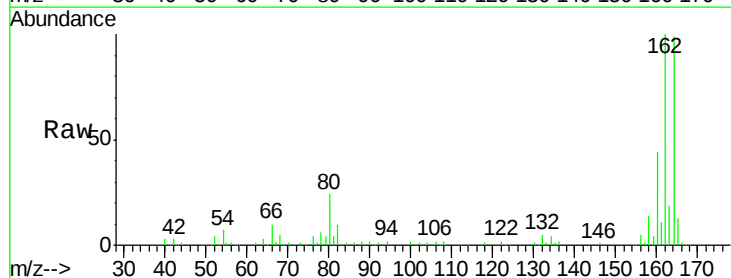
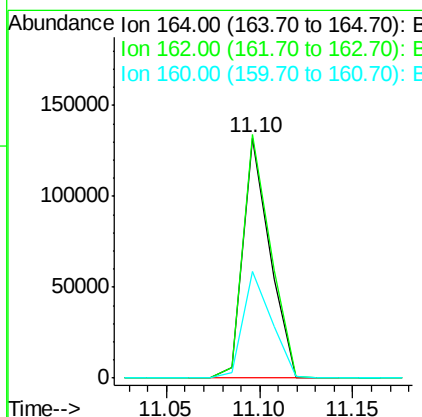
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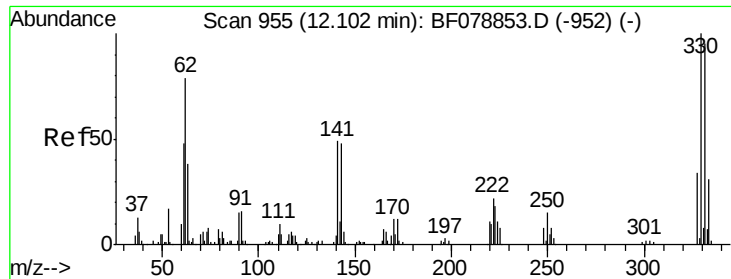
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: BF078953.D
 Acq: 6 May 2015 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	132749		
162	101.5	82.7	124.1	
160	44.4	35.8	53.8	





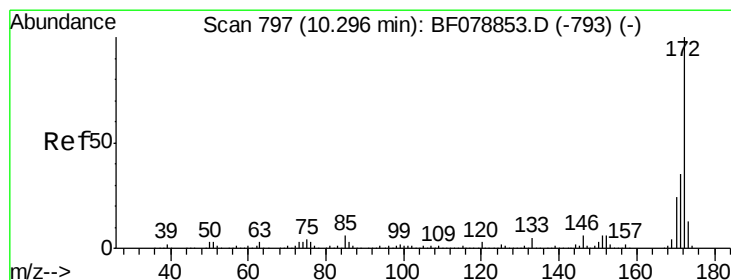
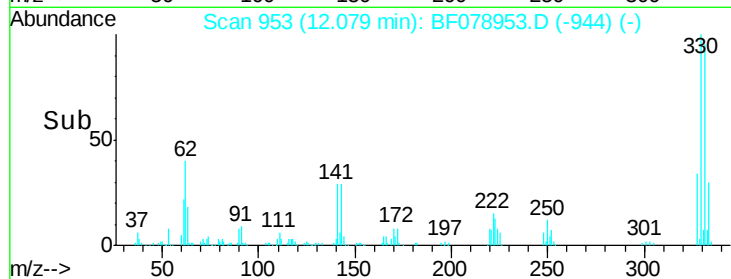
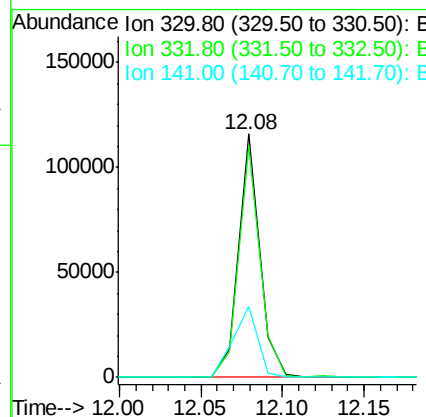
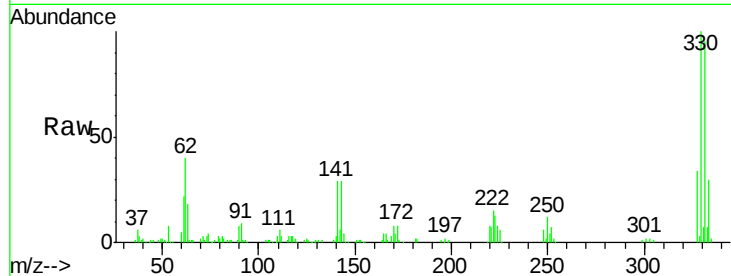
#41
 2,4,6-Tribromophenol
 Concen: 72.02 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF078953.D
 Acq: 6 May 2015 11:48

Instrument :
 BNA_F
 ClientSampleId :
 GRID-6(0-6)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.1	0.0	0.0	0.0
141	33.8	0.0	0.0	0.0

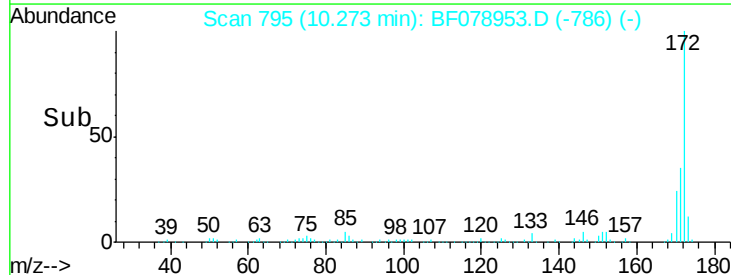
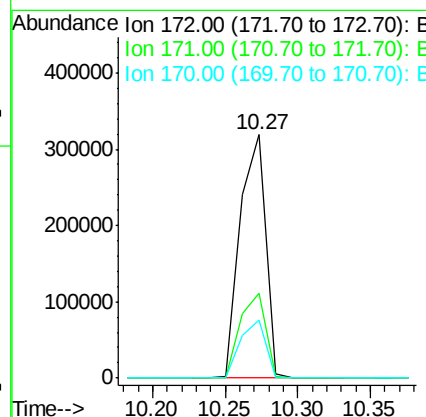
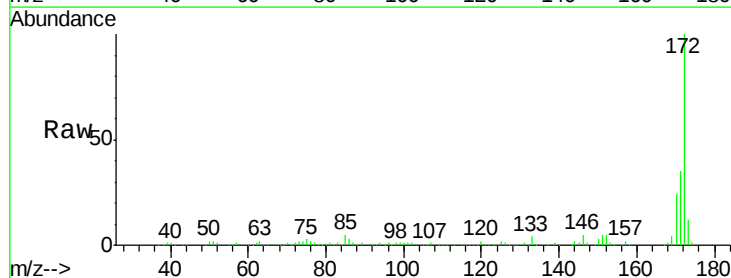
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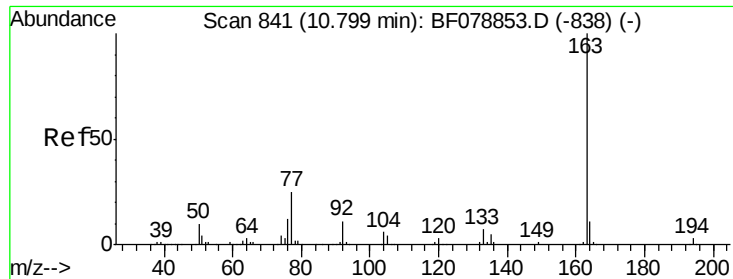
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#44
 2-Fluorobiphenyl
 Concen: 41.03 ng
 RT: 10.27 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: BF078953.D
 Acq: 6 May 2015 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.6	27.9	41.9	
170	23.9	19.4	29.0	





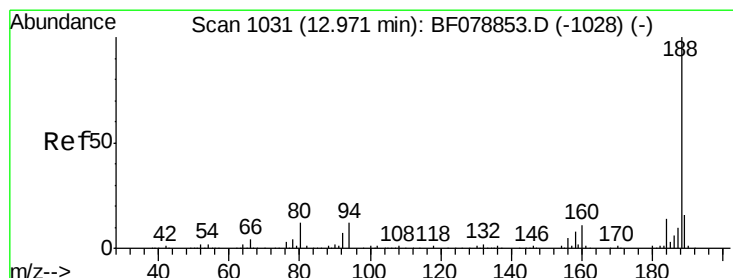
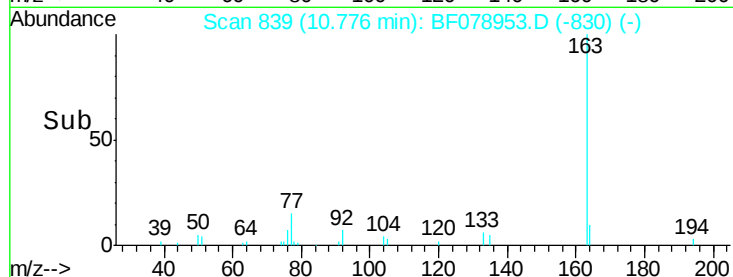
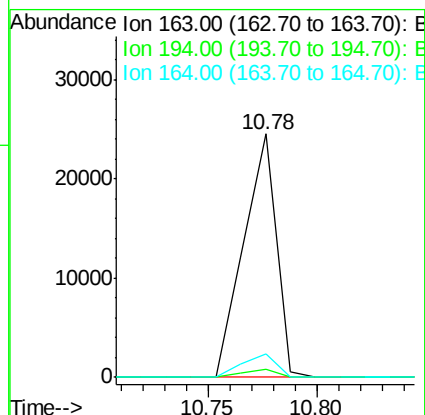
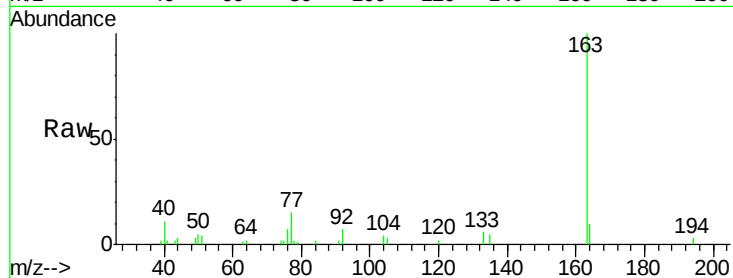
#49
Dimethylphthalate
Concen: 2.61 ng
RT: 10.78 min Scan# 839
Delta R.T. 0.00 min
Lab File: BF078953.D
Acq: 6 May 2015 11:48

Instrument :
BNA_F
ClientSampleId :
GRID-6(0-6)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	25438		
194	3.3		2.6	4.0
164	9.6		8.1	12.1

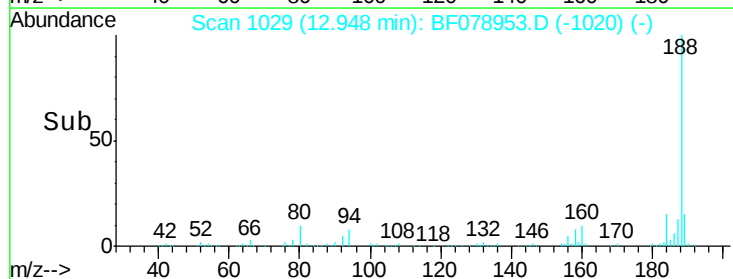
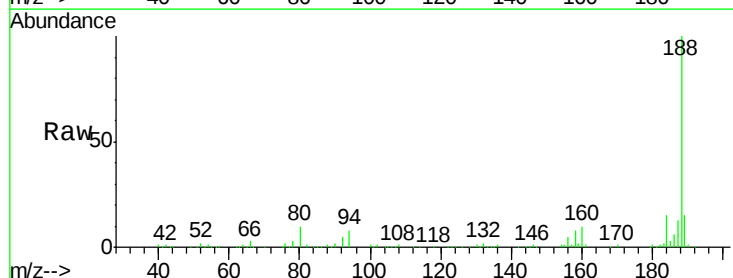
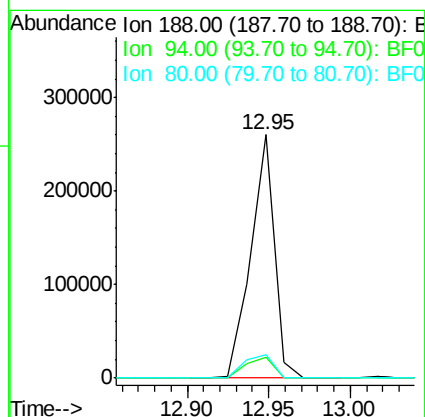
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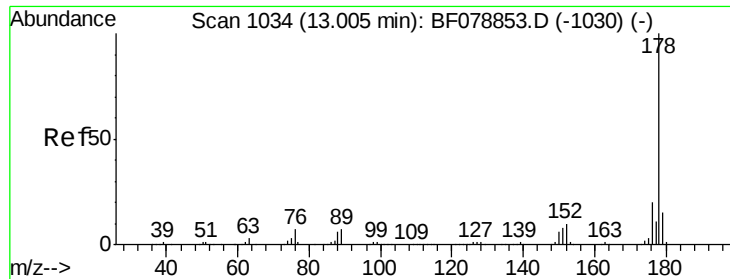
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF078953.D
Acq: 6 May 2015 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	260926		
94	8.4		8.2	12.2
80	9.6		8.9	13.3





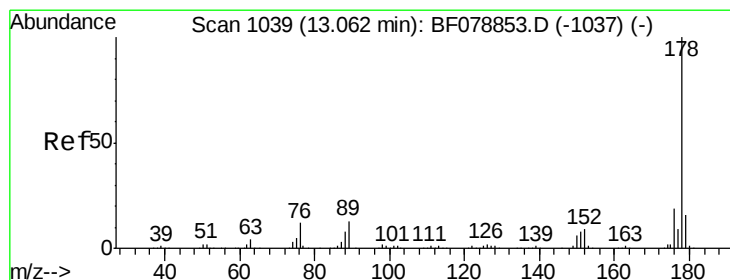
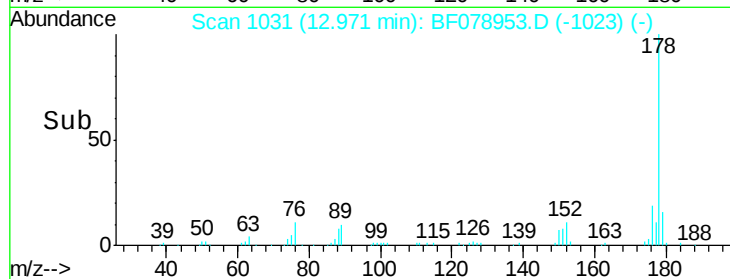
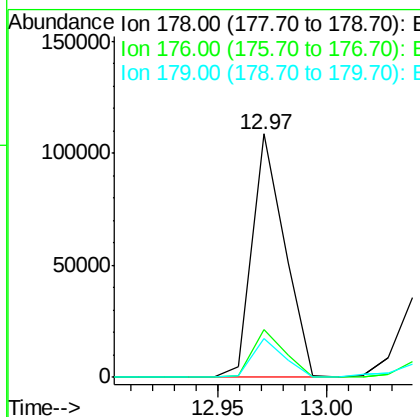
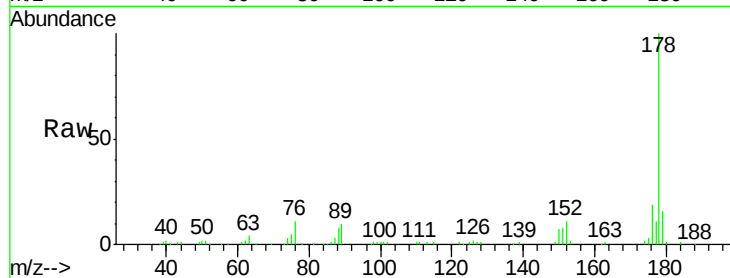
#70
Phenanthrene
Concen: 7.80 ng
RT: 12.97 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF078953.D
Acq: 6 May 2015 11:48

Instrument :
BNA_F
ClientSampleId :
GRID-6(0-6)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.8	12.5	18.7

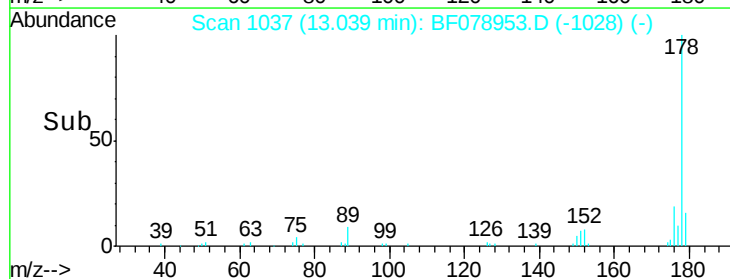
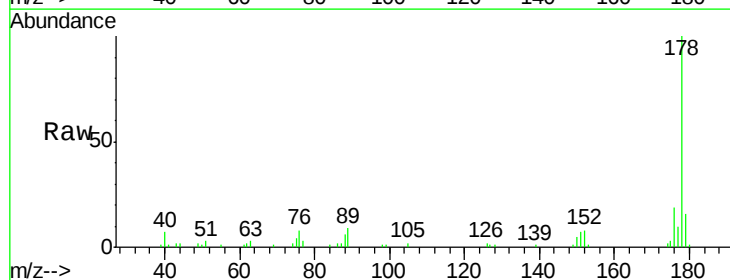
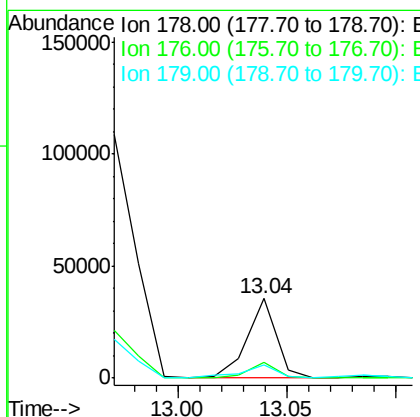
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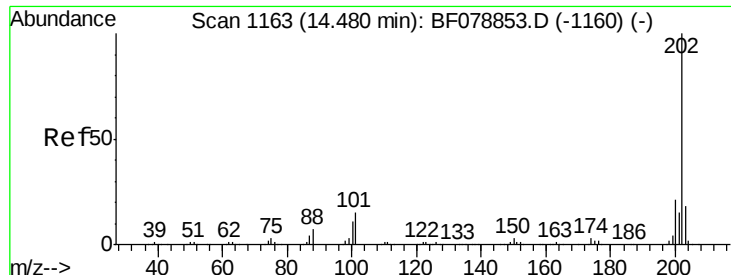
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#71
Anthracene
Concen: 2.35 ng
RT: 13.04 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BF078953.D
Acq: 6 May 2015 11:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	16.5	12.7	19.1





#74

Fluoranthene

Concen: 16.00 ng

RT: 14.46 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BF078953.D

Acq: 6 May 2015 11:48

Instrument :

BNA_F

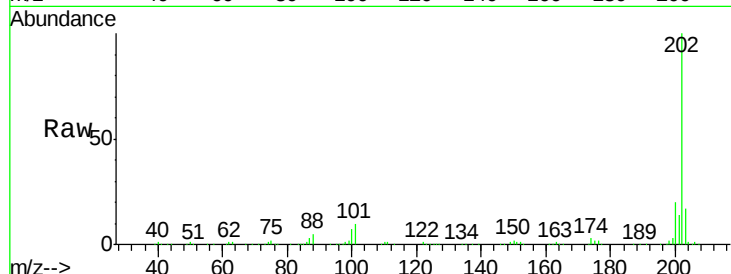
ClientSampleId :

GRID-6(0-6)

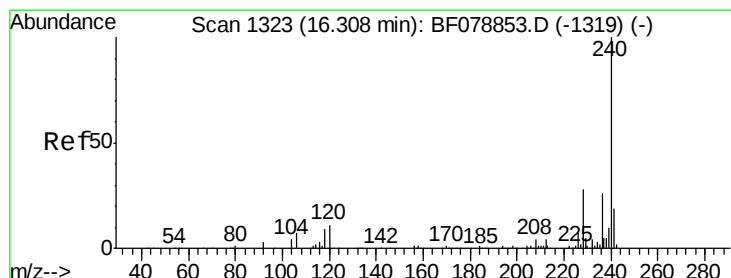
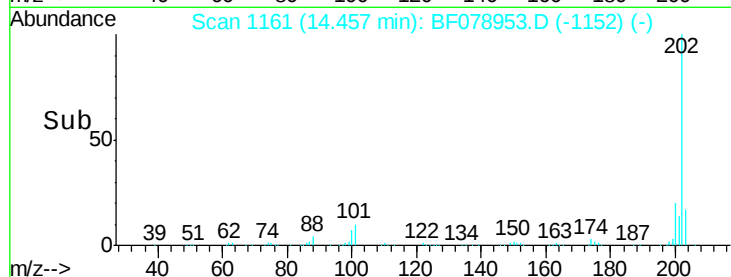
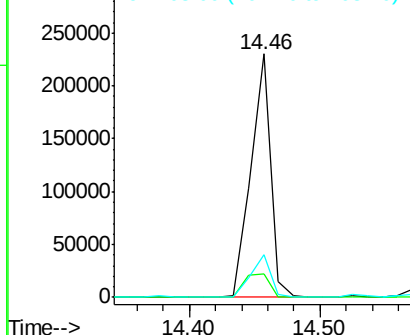
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.9	0.0	34.6
203	17.5	0.0	38.4

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

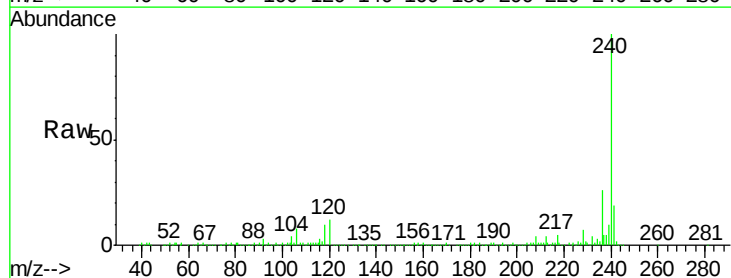
RT: 16.25 min Scan# 1318

Delta R.T. -0.06 min

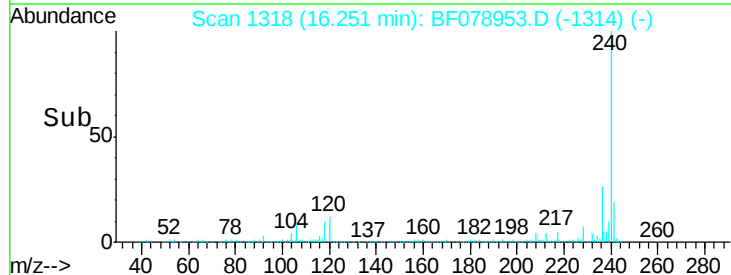
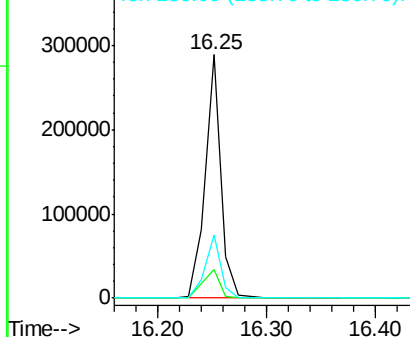
Lab File: BF078953.D

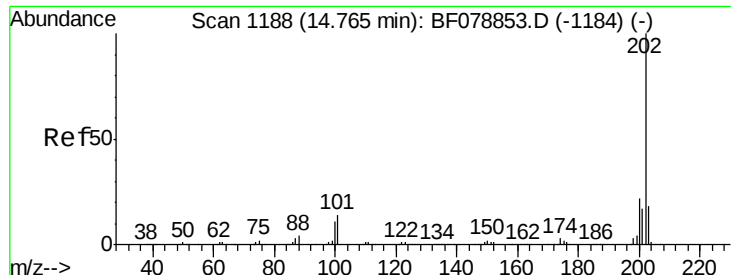
Acq: 6 May 2015 11:48

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.6	9.7	14.5
236	26.0	20.2	30.4



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





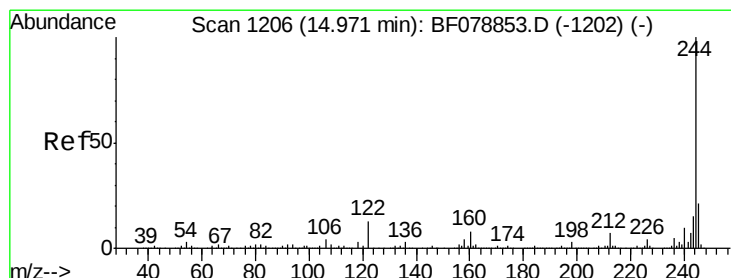
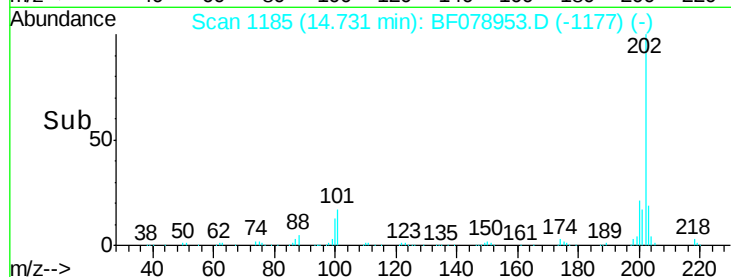
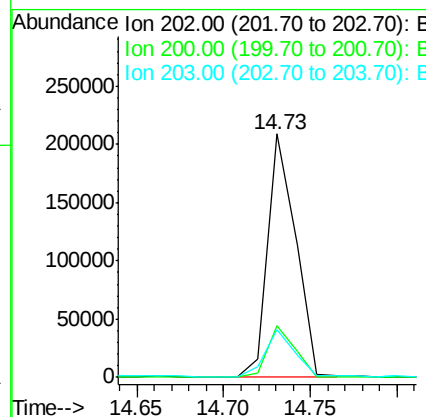
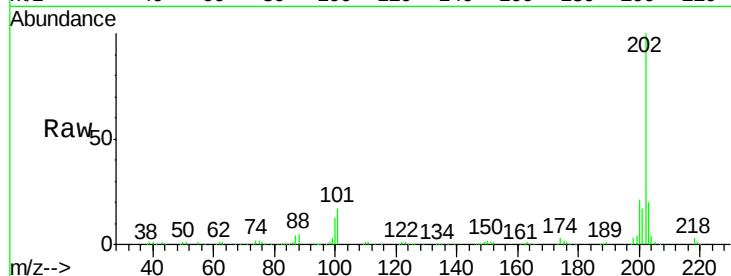
#77
Pvrene
Concen: 13.96 ng m
RT: 14.73 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF078953.D
Acq: 6 May 2015 11:48

Instrument :
BNA_F
ClientSampled :
GRID-6(0-6)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.5	26.3
203	19.7	13.9	20.9

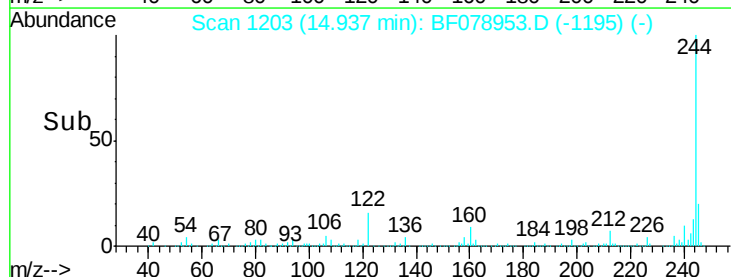
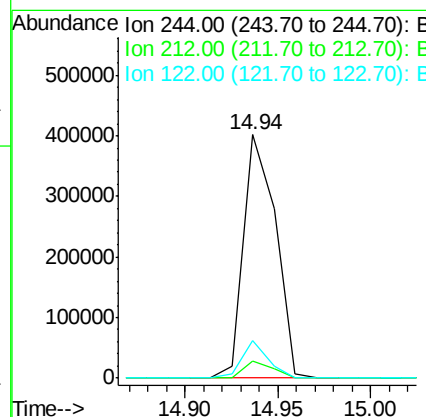
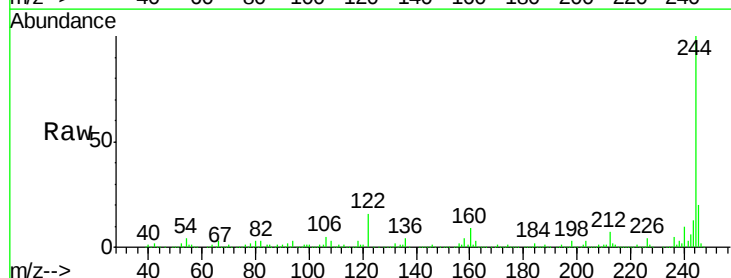
Manual Integrations
APPROVED

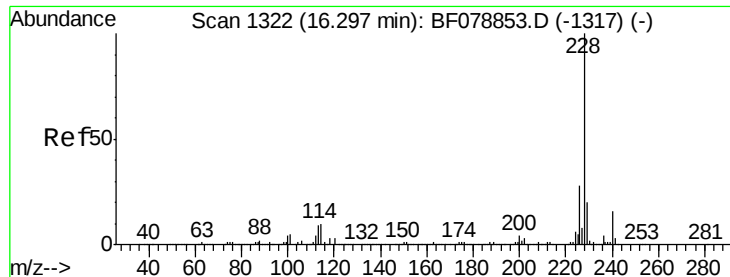
apatel
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#78
Terphenyl-d14
Concen: 39.84 ng m
RT: 14.94 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF078953.D
Acq: 6 May 2015 11:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	15.6	10.3	15.5





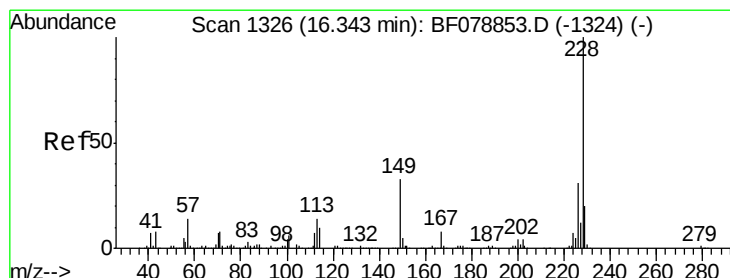
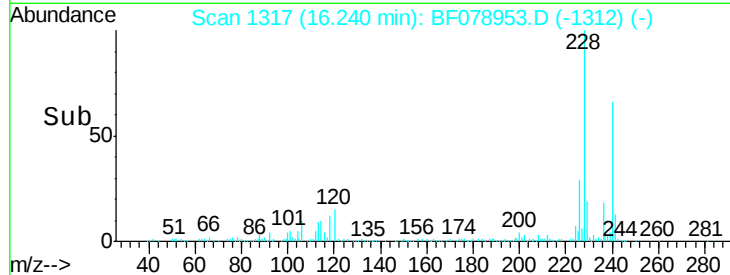
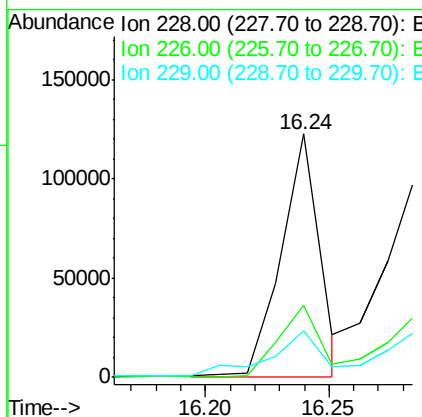
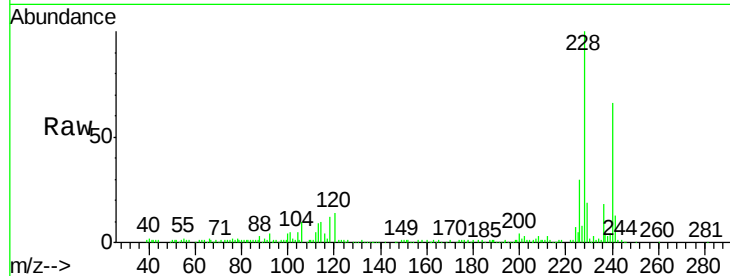
#80
Benzo(a)anthracene
Concen: 8.34 ng m
RT: 16.24 min Scan# 1317
Delta R.T. -0.05 min
Lab File: BF078953.D
Acq: 6 May 2015 11:48

Instrument :
BNA_F
ClientSampleId :
GRID-6(0-6)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	19.3	15.9	23.9

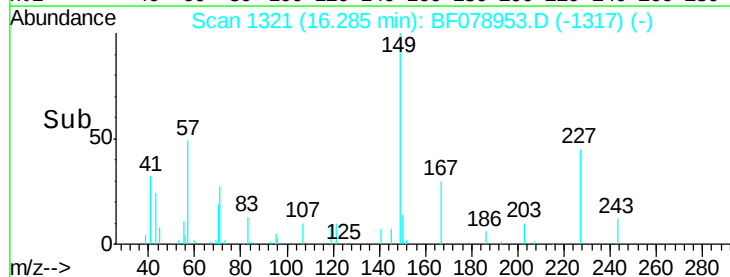
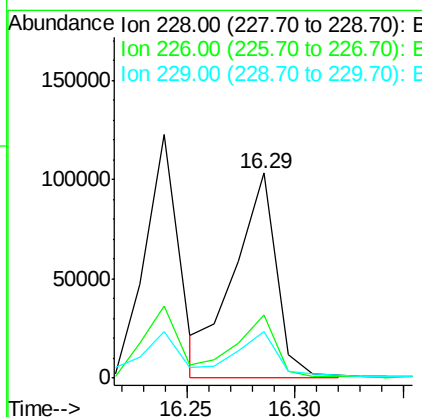
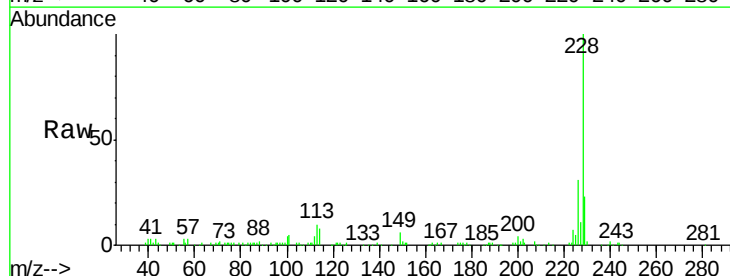
Manual Integrations
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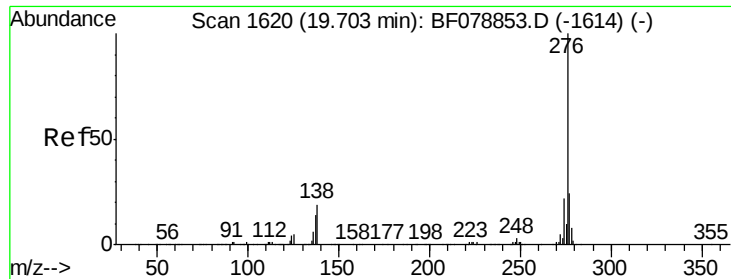
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#82
Chrysene
Concen: 9.09 ng m
RT: 16.29 min Scan# 1321
Delta R.T. -0.06 min
Lab File: BF078953.D
Acq: 6 May 2015 11:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	22.6	16.0	24.0





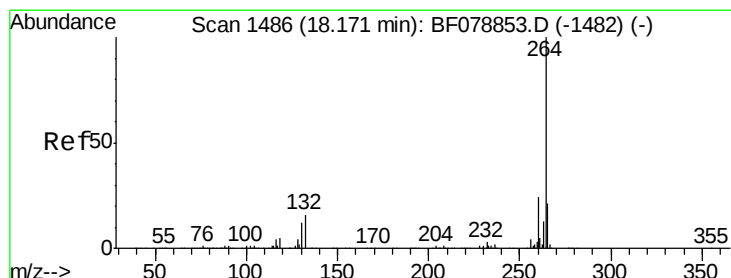
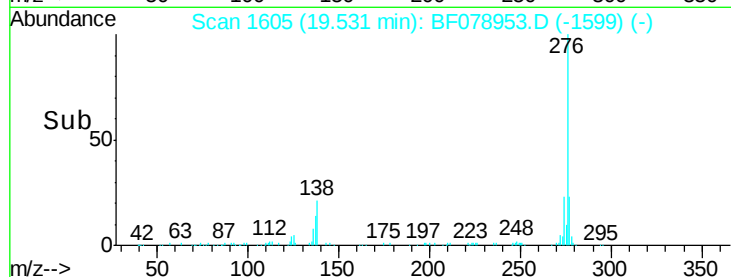
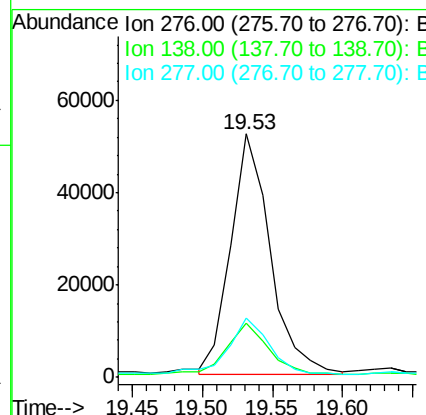
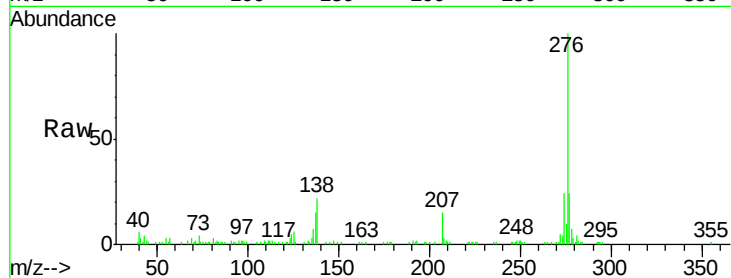
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.18 ng/ml
RT: 19.53 min Scan# 1605
Delta R.T. -0.23 min
Lab File: BF078953.D
Acq: 6 May 2015 11:48

Instrument :
BNA_F
ClientSampleId :
GRID-6(0-6)

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	2.3	0.0	0.0	0.0
277	1.7	0.0	0.0	0.0

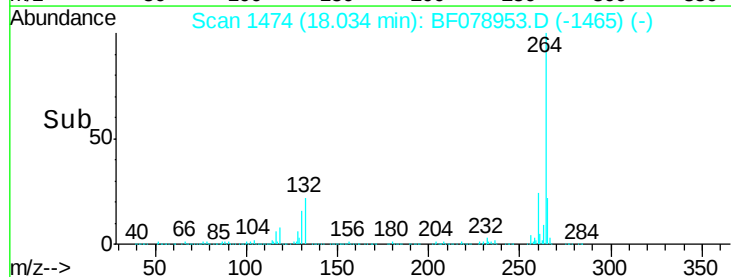
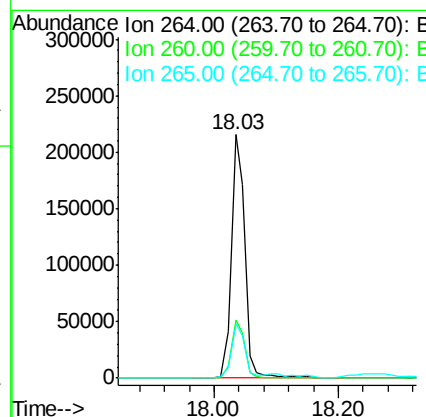
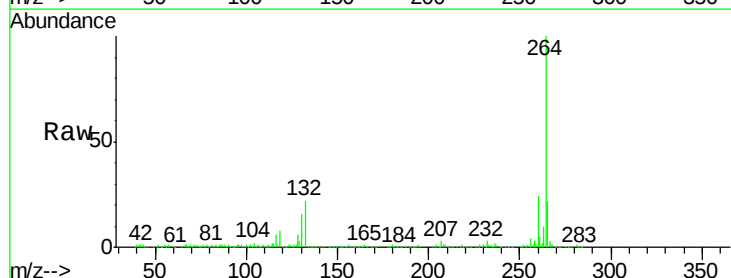
Manual Integrations
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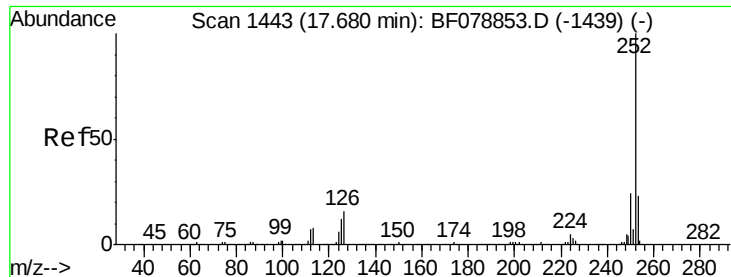
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#86
Perylene-d12
Concen: 20.00 ng
RT: 18.03 min Scan# 1474
Delta R.T. -0.19 min
Lab File: BF078953.D
Acq: 6 May 2015 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.9	19.4	29.2	
265	22.5	18.3	27.5	





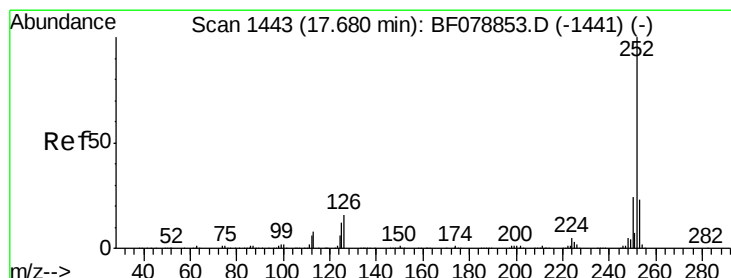
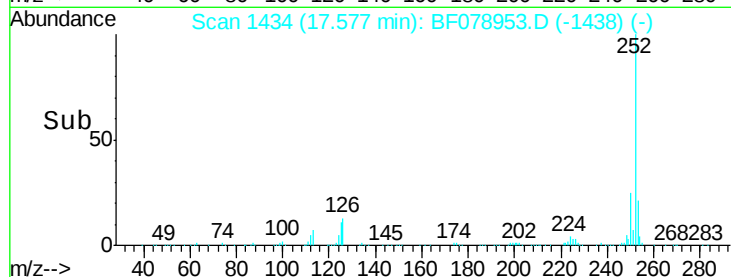
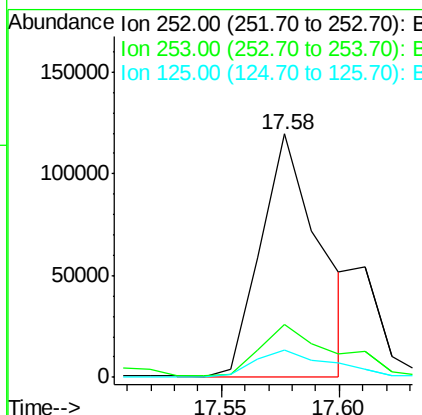
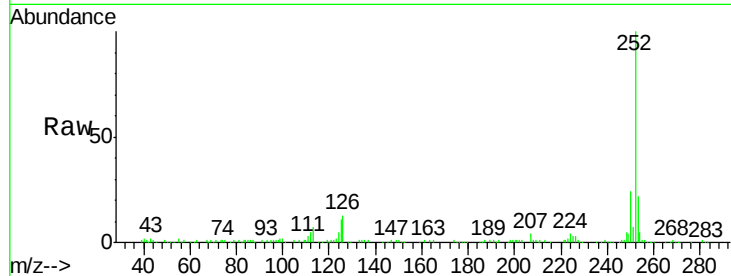
#87
Benzo(b)fluoranthene
Concen: 11.95 ng m
RT: 17.58 min Scan# 1434
Delta R.T. -0.15 min
Lab File: BF078953.D
Acq: 6 May 2015 11:48

Instrument :
BNA_F
ClientSampleId :
GRID-6(0-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	11.1	9.5	14.3

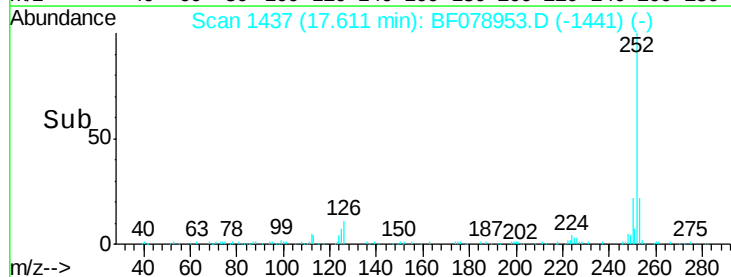
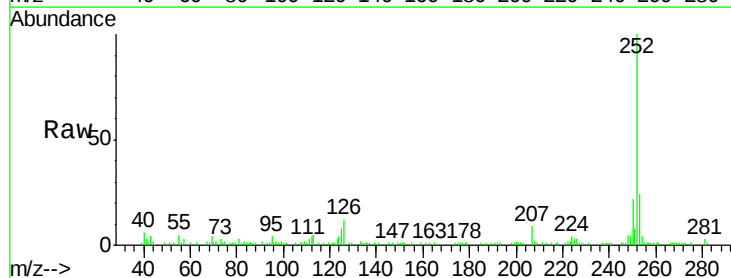
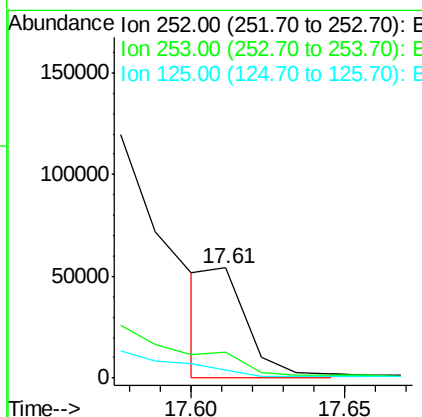
Manual Integrations
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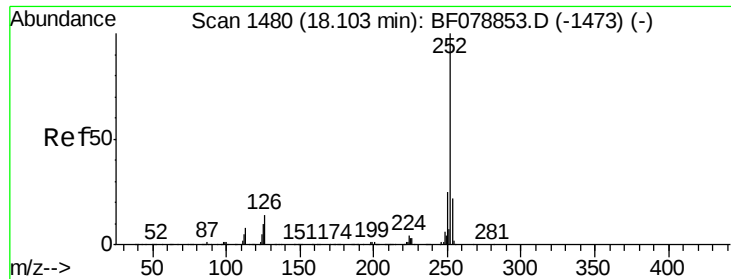
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#88
Benzo(k)fluoranthene
Concen: 2.78 ng m
RT: 17.61 min Scan# 1437
Delta R.T. -0.15 min
Lab File: BF078953.D
Acq: 6 May 2015 11:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	7.8	10.0	15.0#





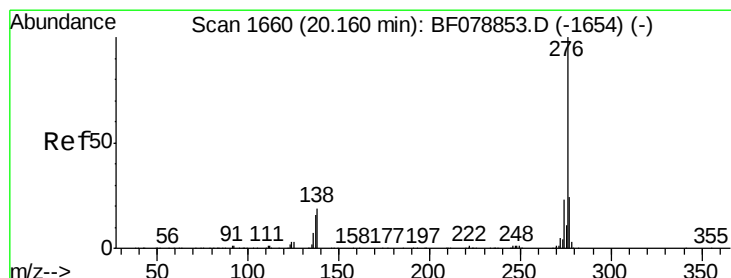
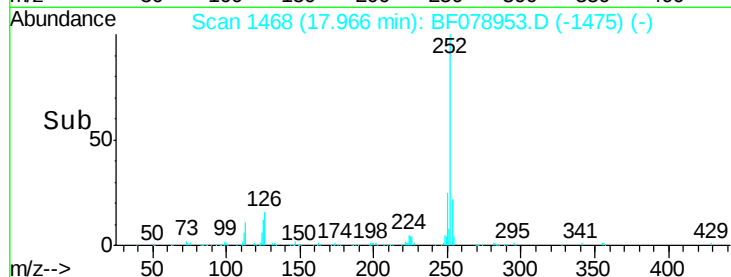
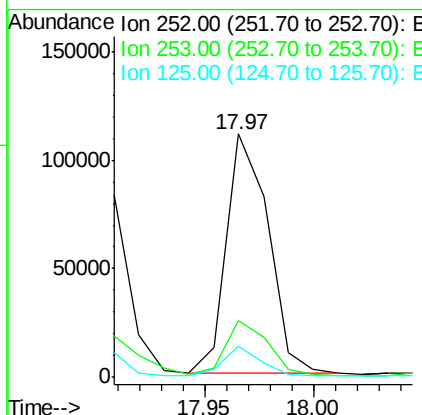
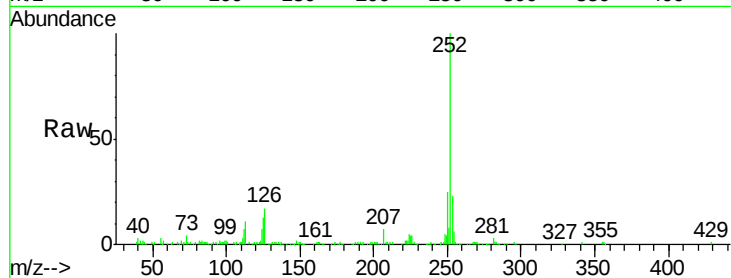
#89
Benzo(a)pyrene
Concen: 9.15 ng
RT: 17.97 min Scan# 1468
Delta R.T. -0.18 min
Lab File: BF078953.D
Acq: 6 May 2015 11:48

Instrument :
BNA_F
ClientSampleId :
GRID-6(0-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	12.8	7.0	10.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.89 ng
RT: 19.98 min Scan# 1644
Delta R.T. -0.23 min
Lab File: BF078953.D
Acq: 6 May 2015 11:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.6	28.0
138	22.3	17.4	26.0

