

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
 Data File : BF077602.D
 Acq On : 5 Mar 2015 3:33
 Operator : TP/IZ
 Sample : G1424-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB1

Manual Integrations
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 3/5/2015 12:48:12 PM

Quant Time: Mar 05 05:23:53 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 04 21:51:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.22	152	69437	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	284129	20.00	ng	0.00
38) Acenaphthene-d10	10.97	164	142271	20.00	ng	0.00
63) Phenanthrene-d10	12.81	188	268083	20.00	ng	0.00
75) Chrysene-d12	16.09	240	289959	20.00	ng	-0.01
86) Perylene-d12	17.79	264	282599	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	298174	71.69	ng	0.00
7) Phenol-d6	6.78	99	547457	102.37	ng	0.00
23) Nitrobenzene-d5	7.91	82	317521	69.49	ng	0.00
41) 2,4,6-Tribromophenol	11.95	330	17138	12.51	ng	0.00
44) 2-Fluorobiphenyl	10.14	172	675136	73.99	ng	0.00
78) Terphenyl-d14	14.81	244	758531	61.16	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.80	94	13511	2.13	ng	87
48) Acenaphthylene	10.80	152	30522	2.28	ng	99
49) Dimethylphthalate	10.65	163	60494	6.05	ng	98
70) Phenanthrene	12.84	178	210939	13.58	ng	100
71) Anthracene	12.90	178	76496	4.96	ng	98
74) Fluoranthene	14.32	202	681869	40.17	ng	100
76) Benzidine	14.50	184	23954	2.45	ng	# 96
77) Pyrene	14.60	202	562877	31.73	ng	98
80) Benzo(a)anthracene	16.08	228	297139	17.49	ng	96
82) Chrysene	16.12	228	242262	15.18	ng	97
85) Indeno(1,2,3-cd)pyrene	19.22	276	135001m	7.42	ng	
87) Benzo(b)fluoranthene	17.36	252	357181m	21.74	ng	
88) Benzo(k)fluoranthene	17.39	252	76243m	4.73	ng	
89) Benzo(a)pyrene	17.73	252	198094	12.66	ng	# 91
90) Dibenzo(a,h)anthracene	19.23	278	34169	2.29	ng	# 75
91) Benzo(g,h,i)perylene	19.64	276	130912	8.69	ng	97

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

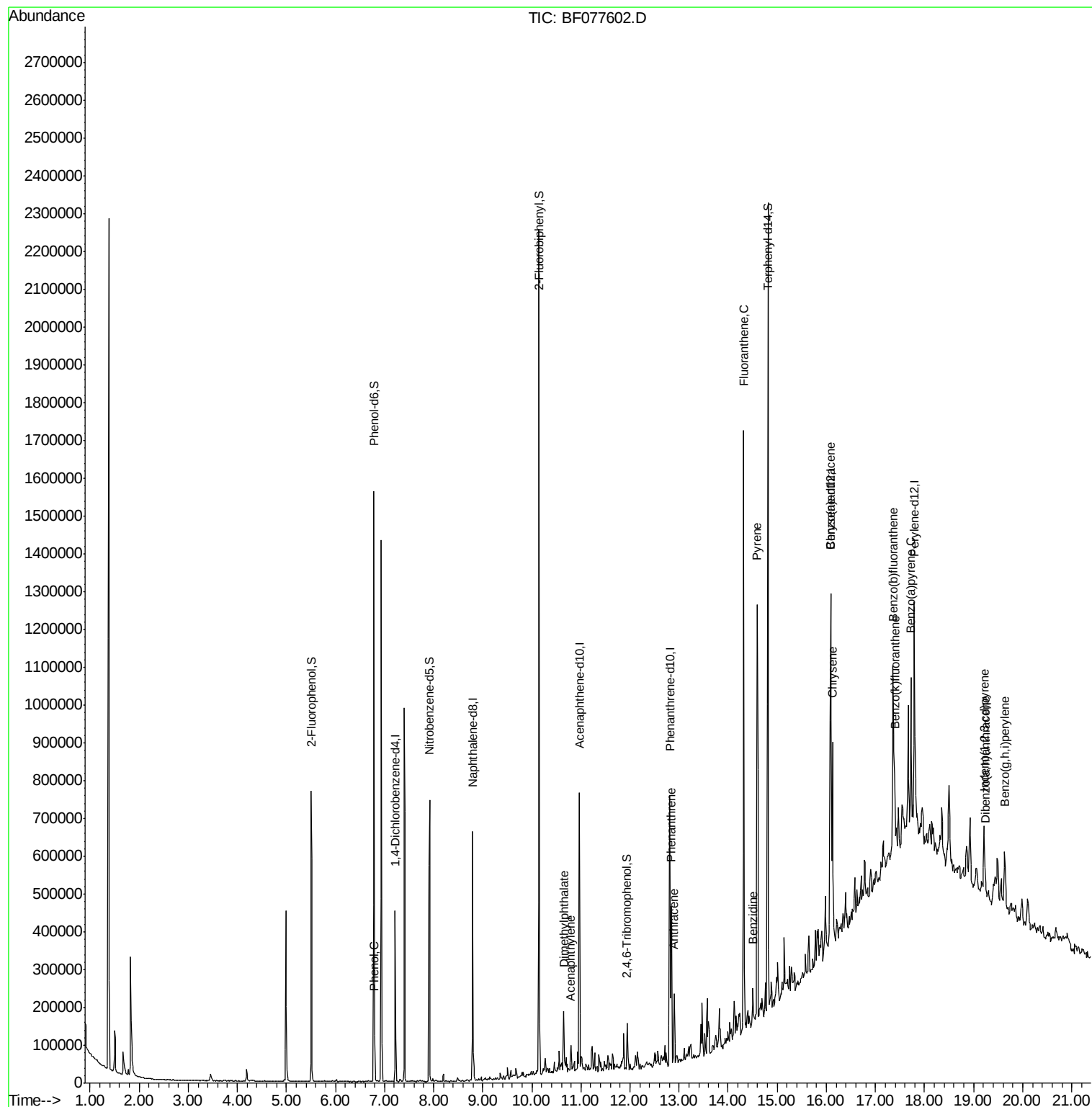
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
Data File : BF077602.D
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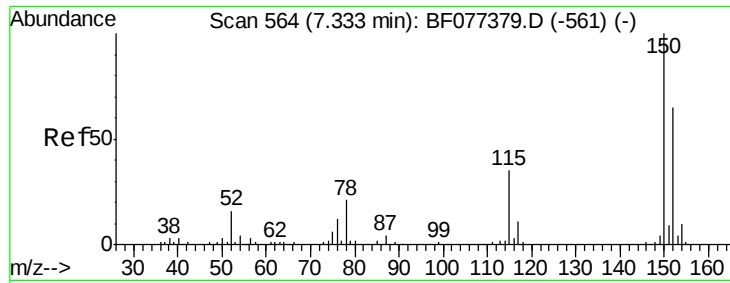
Instrument :
BNA_F
ClientSampled :
SB1

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 04 21:51:23 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.22 min Scan# 554

Delta R.T. -0.00 min

Lab File: BF077602.D

Acq: 5 Mar 2015 3:33

Instrument :

BNA_F

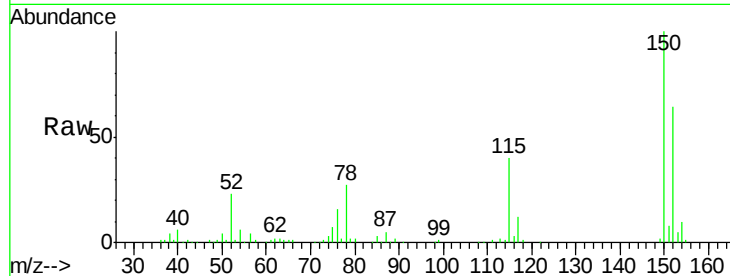
ClientSampleId :

SB1

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Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.0	186.0
115	62.3	49.4	74.2

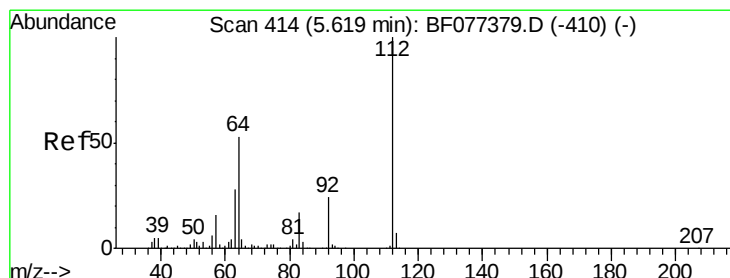
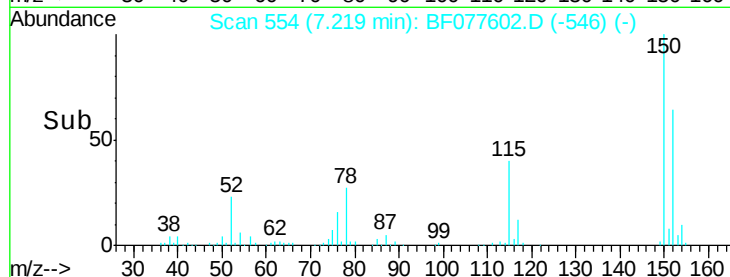
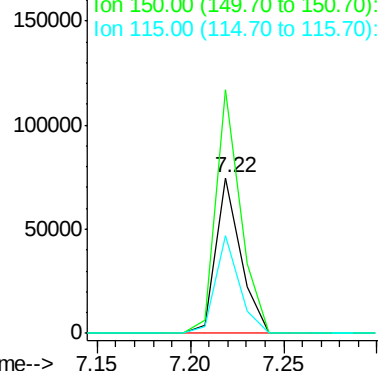


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 71.69 ng

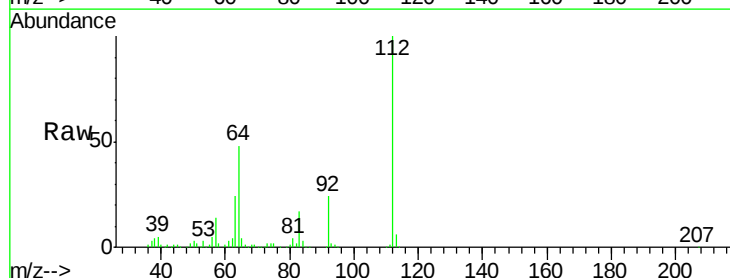
RT: 5.51 min Scan# 405

Delta R.T. -0.00 min

Lab File: BF077602.D

Acq: 5 Mar 2015 3:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.2	48.5	72.7#
63	24.4	25.0	37.4#

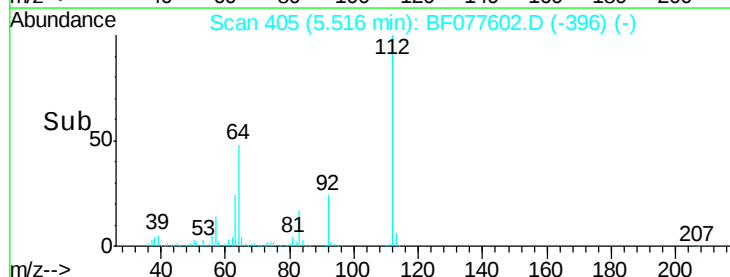
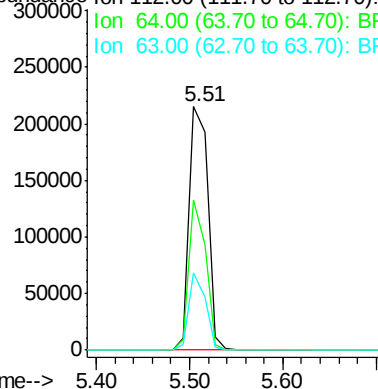


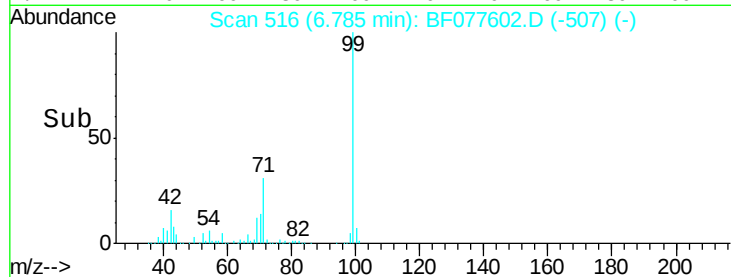
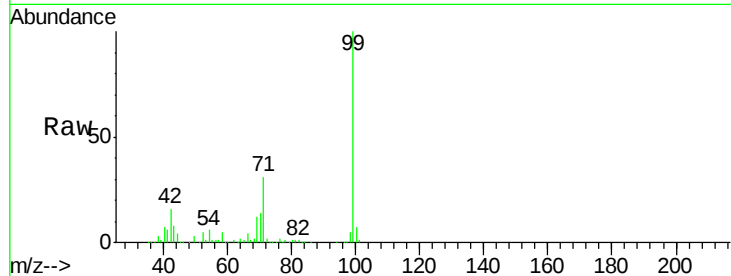
Abundance

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: 102.37 ng

RT: 6.78 min Scan# 516

Delta R.T. -0.00 min

Lab File: BF077602.D

Acq: 5 Mar 2015 3:33

Tgt Ion	Ratio	Lower	Upper
99	100		
42	16.4	16.2	24.4
71	31.4	26.7	40.1

Instrument :

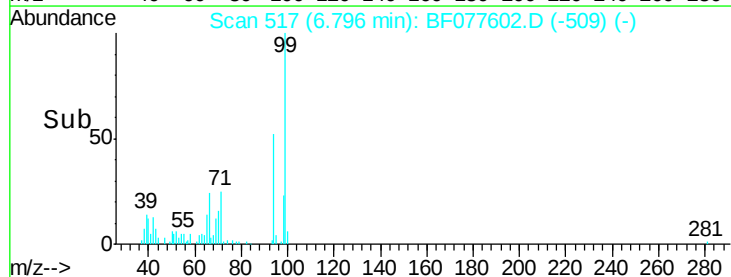
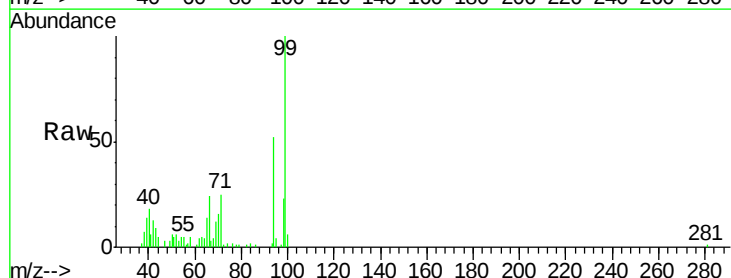
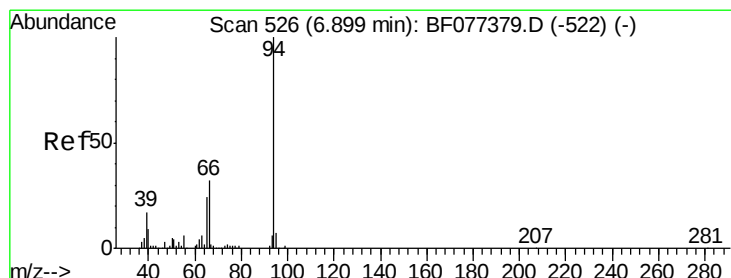
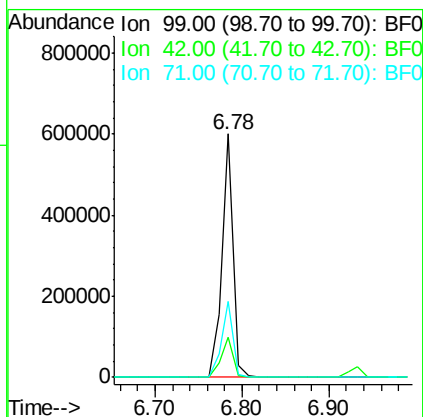
BNA_F

ClientSampleId :

SB1

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#10

Phenol

Concen: 2.13 ng

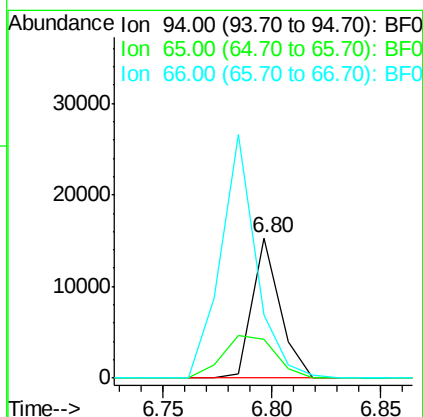
RT: 6.80 min Scan# 517

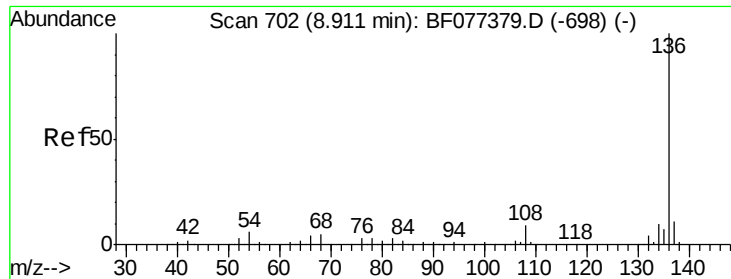
Delta R.T. -0.01 min

Lab File: BF077602.D

Acq: 5 Mar 2015 3:33

Tgt Ion	Ratio	Lower	Upper
94	100		
65	27.4	5.7	45.7
66	44.9	13.6	53.6





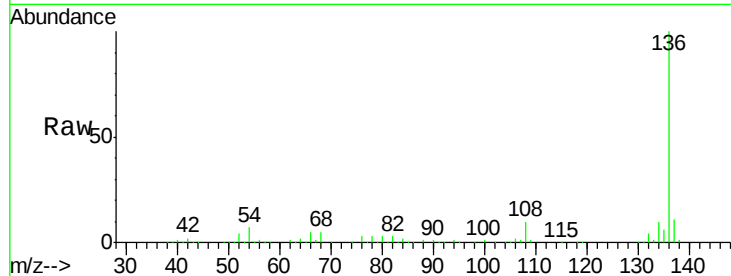
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.80 min Scan# 692
Delta R.T. -0.00 min
Lab File: BF077602.D
Acq: 5 Mar 2015 3:33

Instrument :
BNA_F
ClientSampled :
SB1

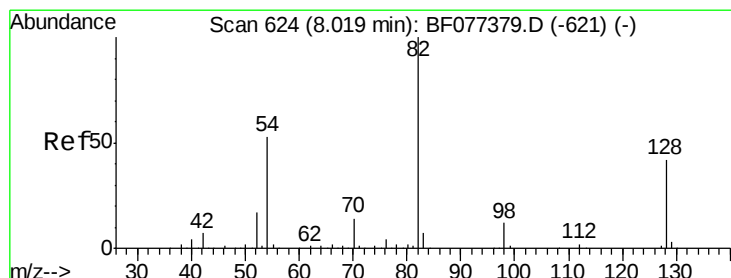
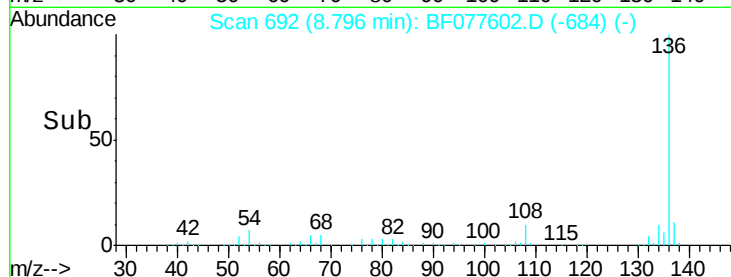
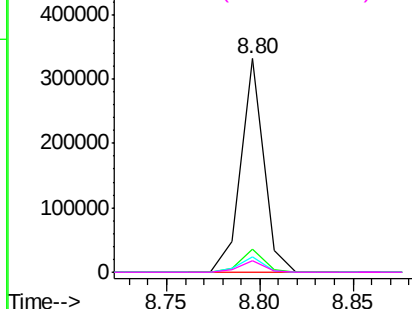
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	284129		
137	10.6	8.6	13.0	
54	7.1	6.2	9.4	
68	5.5	5.0	7.6	

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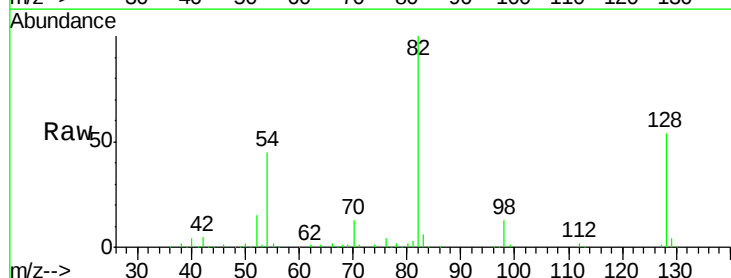


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

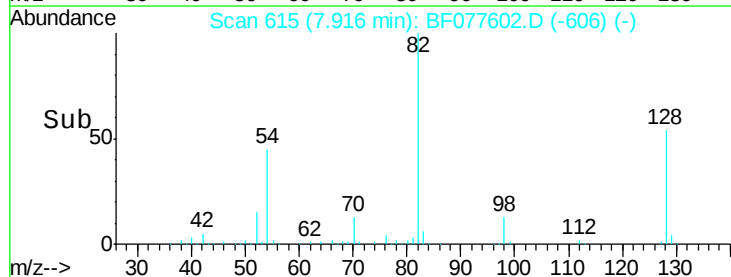
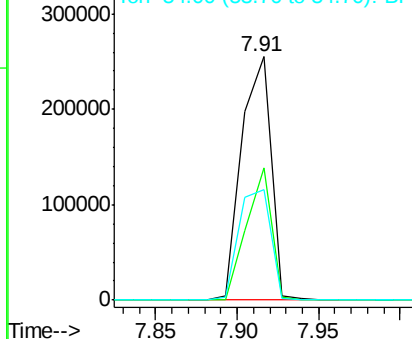


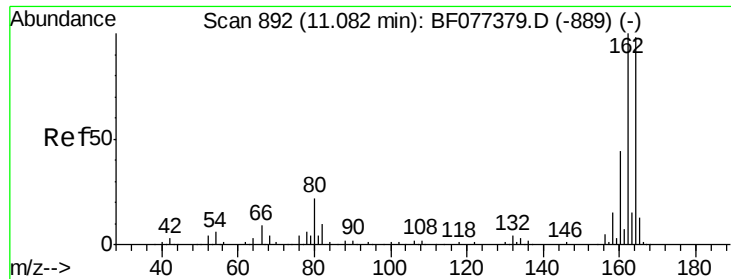
#23
Nitrobenzene-d5
Concen: 69.49 ng
RT: 7.91 min Scan# 615
Delta R.T. -0.00 min
Lab File: BF077602.D
Acq: 5 Mar 2015 3:33

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	317521		
128	54.2	43.8	65.8	
54	45.1	36.7	55.1	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.97 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF077602.D

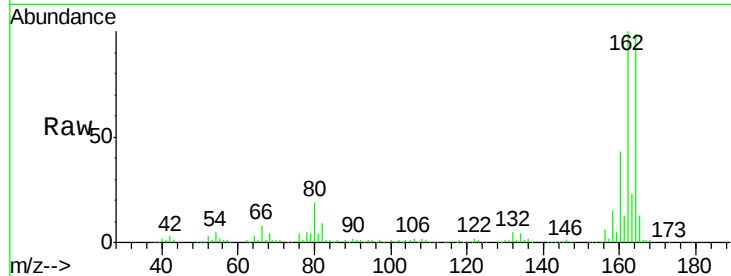
Acq: 5 Mar 2015 3:33

Instrument :

BNA_F

ClientSampleId :

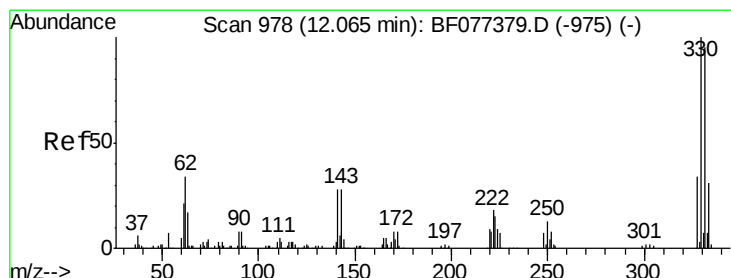
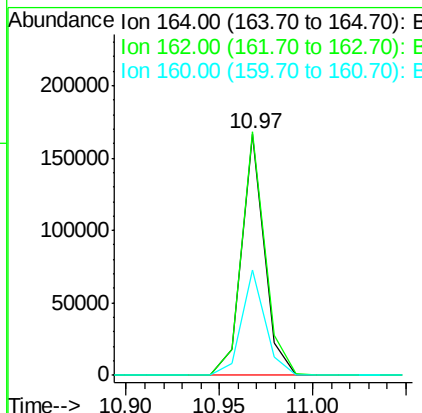
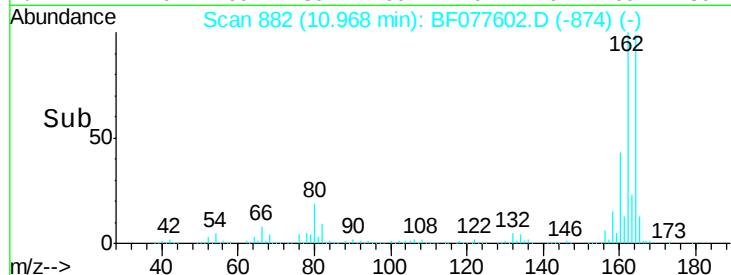
SB1



Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.8	83.2	124.8	
160	43.8	34.6	52.0	

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#41

2,4,6-Tribromophenol

Concen: 12.51 ng

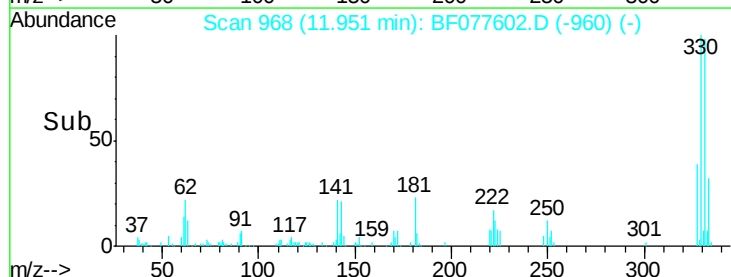
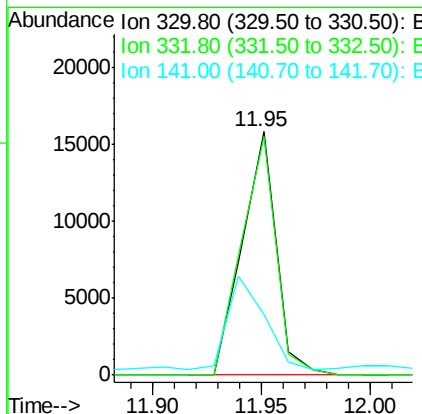
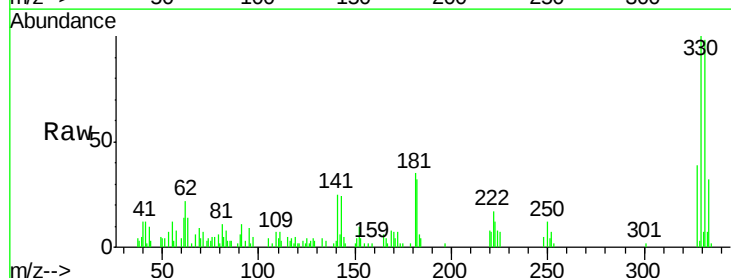
RT: 11.95 min Scan# 968

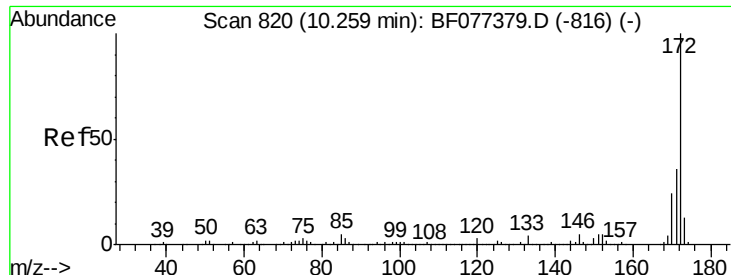
Delta R.T. -0.01 min

Lab File: BF077602.D

Acq: 5 Mar 2015 3:33

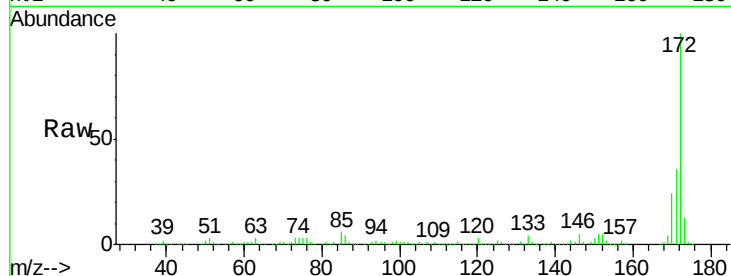
Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	100.0	77.4	116.2	
141	42.4	28.8	43.2	





#44
2-Fluorobiphenyl
Concen: 73.99 ng
RT: 10.14 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF077602.D
Acq: 5 Mar 2015 3:33

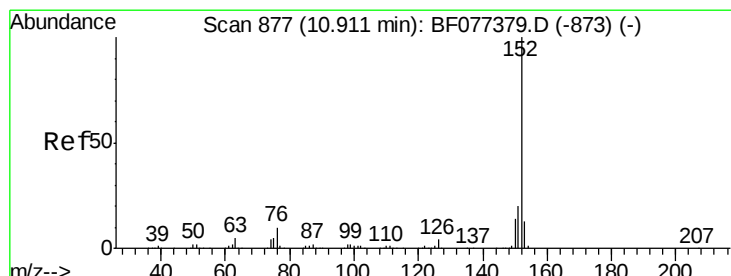
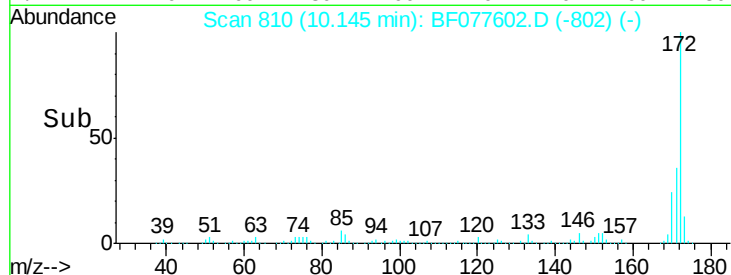
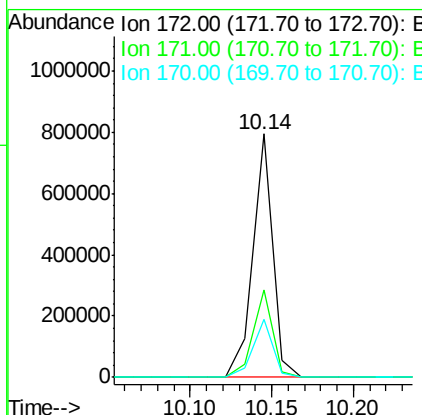
Instrument :
BNA_F
ClientSampleId :
SB1



Tgt Ion	Ratio	Resp	Lower	Upper
172	100	675136		
171	35.8	28.9	43.3	
170	24.0	19.4	29.2	

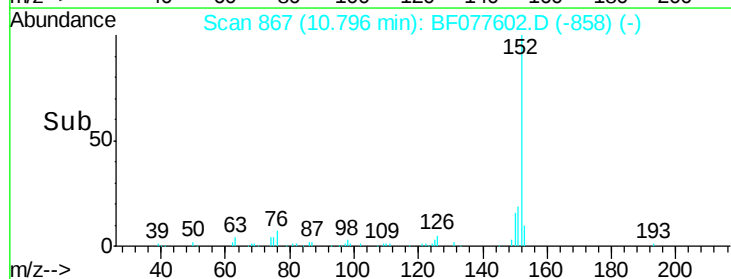
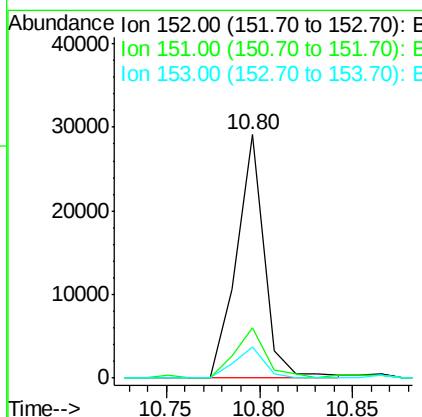
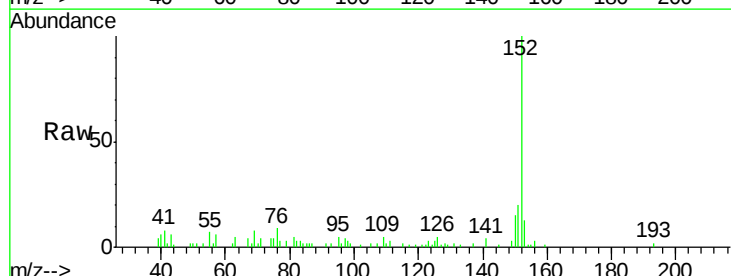
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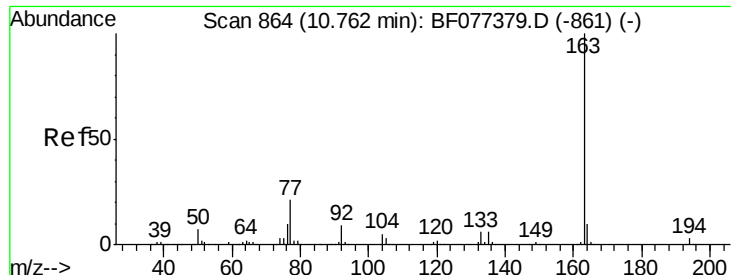
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#48
Acenaphthylene
Concen: 2.28 ng
RT: 10.80 min Scan# 867
Delta R.T. -0.00 min
Lab File: BF077602.D
Acq: 5 Mar 2015 3:33

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	30522		
151	20.5	16.1	24.1	
153	13.0	10.9	16.3	





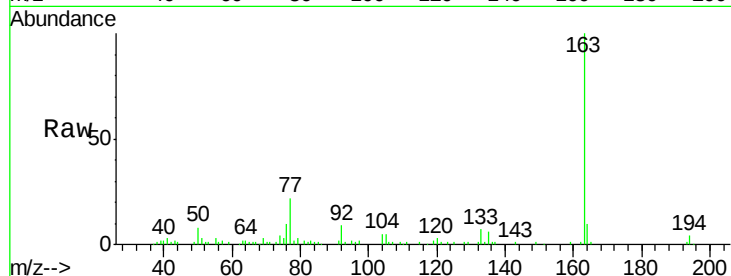
#49
Dimethylphthalate
Concen: 6.05 ng
RT: 10.65 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF077602.D
Acq: 5 Mar 2015 3:33

Instrument :
BNA_F
ClientSampleId :
SB1

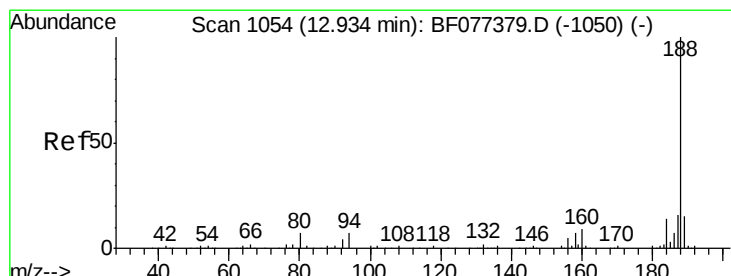
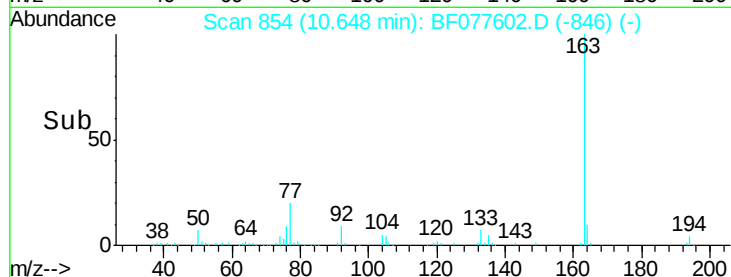
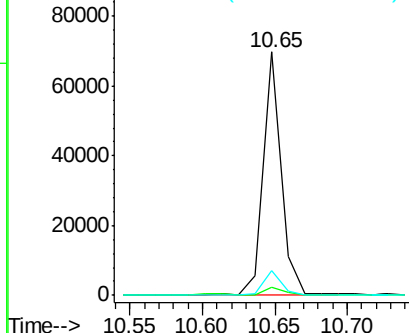
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.5	2.6	4.0
164	9.9	8.6	13.0

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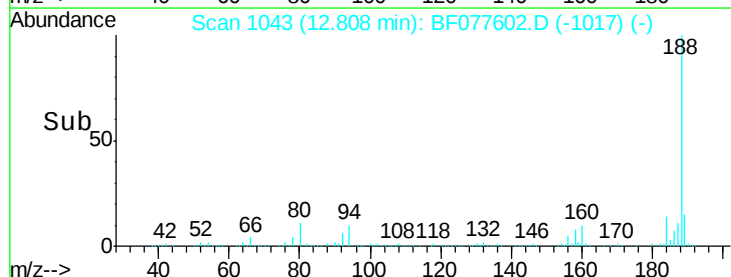
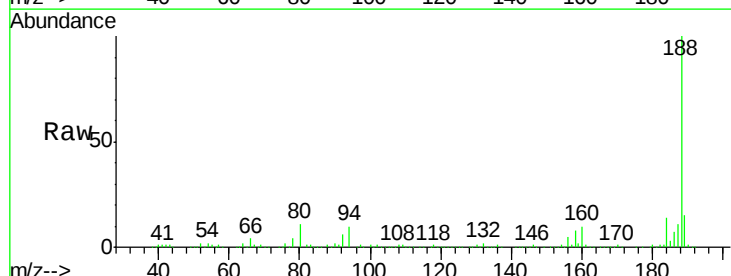
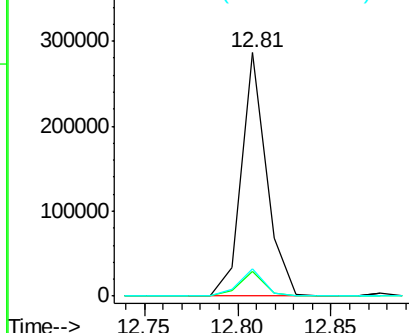
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

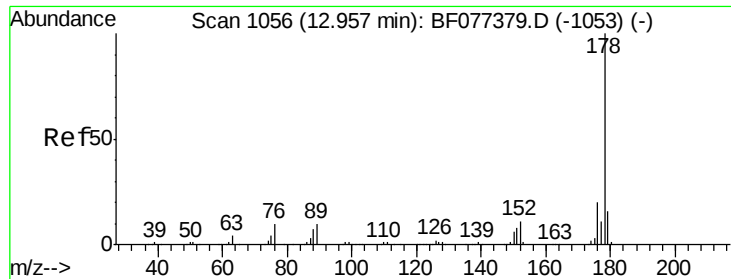


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.81 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF077602.D
Acq: 5 Mar 2015 3:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.4	7.4	11.2
80	11.0	8.0	12.0

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 13.58 ng

RT: 12.84 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF077602.D

Acq: 5 Mar 2015 3:33

Instrument :

BNA_F

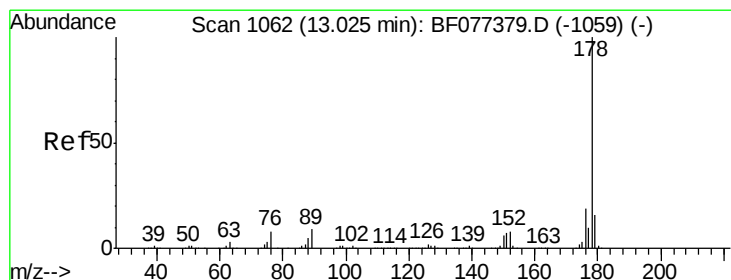
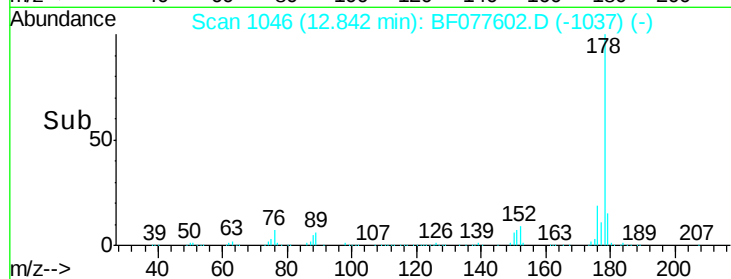
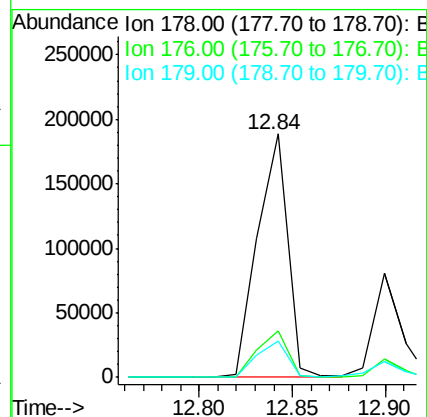
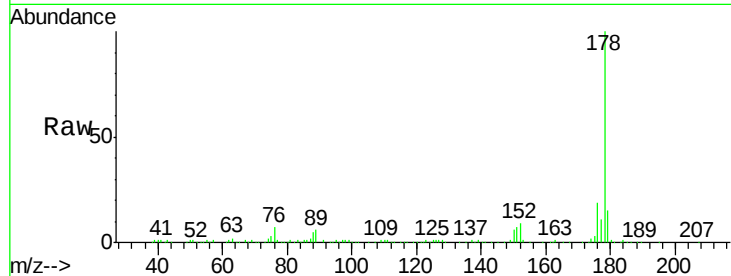
ClientSampled :

SB1

Tgt Ion:	178	Resp:	210939
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.5	23.3
179	14.9	12.2	18.2

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#71

Anthracene

Concen: 4.96 ng

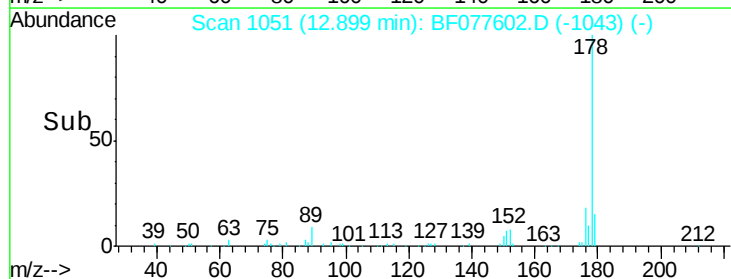
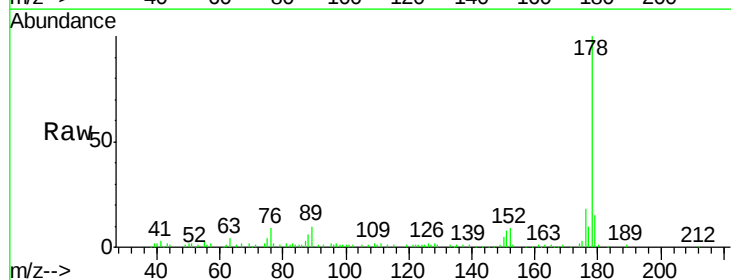
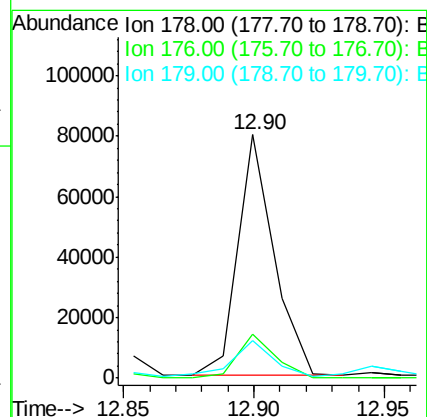
RT: 12.90 min Scan# 1051

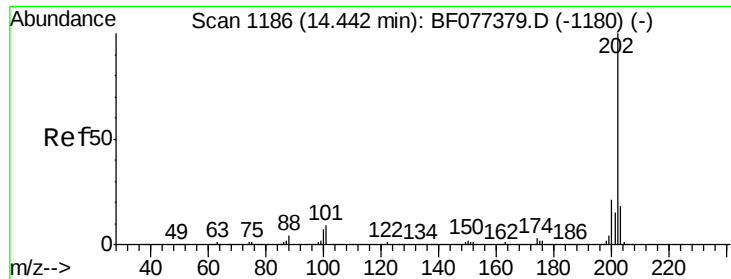
Delta R.T. -0.01 min

Lab File: BF077602.D

Acq: 5 Mar 2015 3:33

Tgt Ion:	178	Resp:	76496
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.4	23.0
179	15.4	12.9	19.3





#74

Fluoranthene

Concen: 40.17 ng

RT: 14.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: BF077602.D

Acq: 5 Mar 2015 3:33

Instrument :

BNA_F

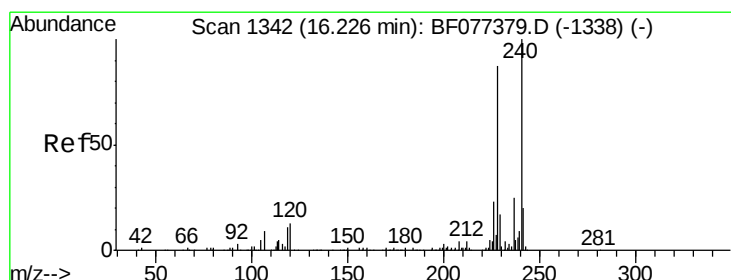
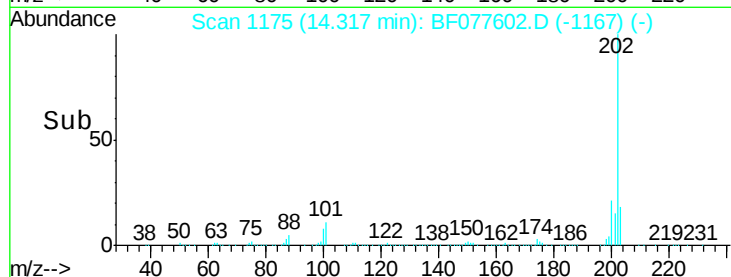
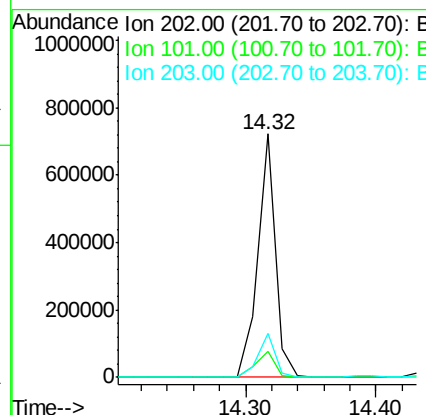
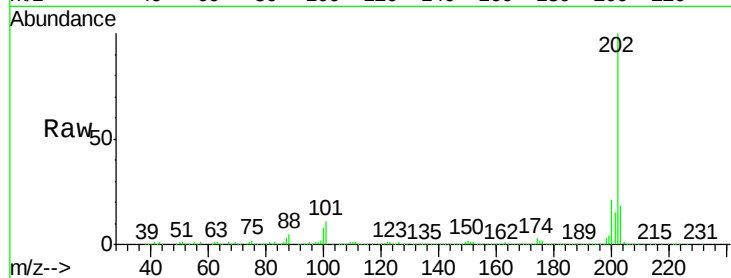
ClientSampleId :

SB1

Tgt	Ion	202	Resp:	681869
Ion	Ratio		Lower	Upper
202	100			
101	10.6	0.0	30.8	
203	17.8	0.0	37.7	

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#75

Chrysene-d12

Concen: 20.00 ng

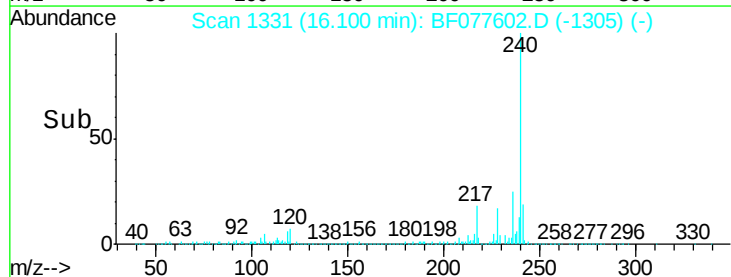
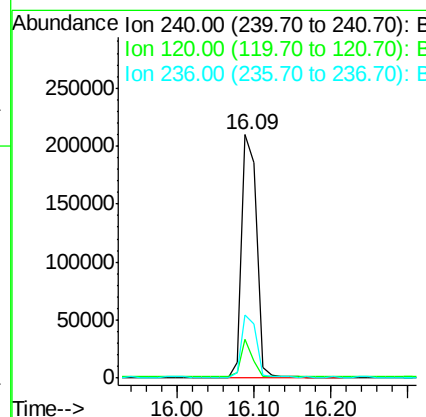
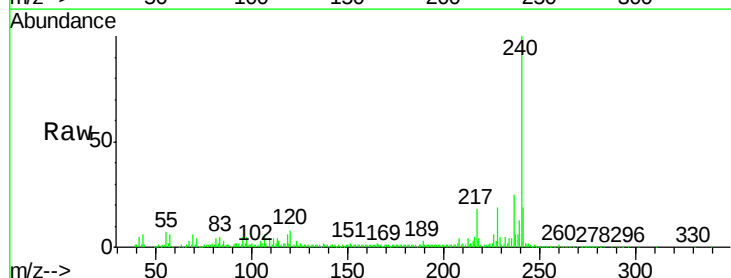
RT: 16.09 min Scan# 1331

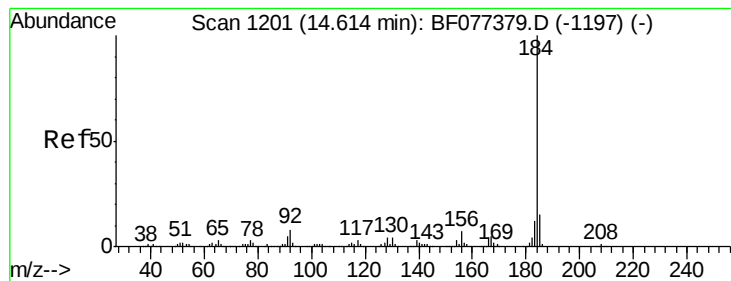
Delta R.T. -0.01 min

Lab File: BF077602.D

Acq: 5 Mar 2015 3:33

Tgt	Ion	240	Resp:	289959
Ion	Ratio		Lower	Upper
240	100			
120	7.8	8.8	13.2#	
236	25.1	20.7	31.1	





#76

Benzidine

Concen: 2.45 ng

RT: 14.50 min Scan# 1191

Delta R.T. -0.00 min

Lab File: BF077602.D

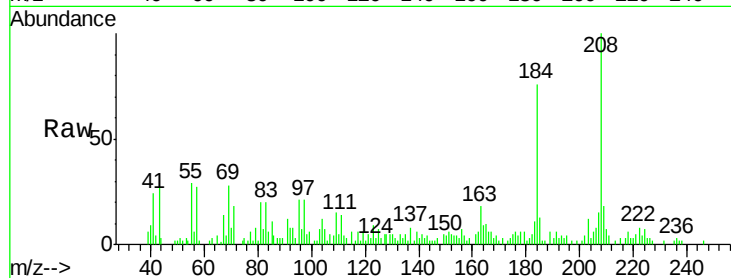
Acq: 5 Mar 2015 3:33

Instrument :

BNA_F

ClientSampleId :

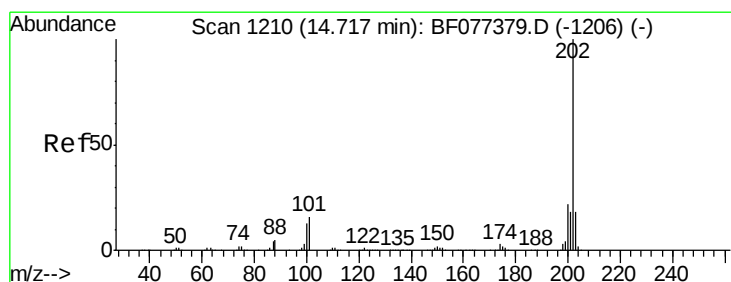
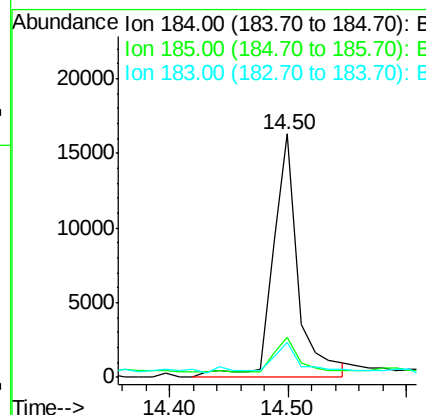
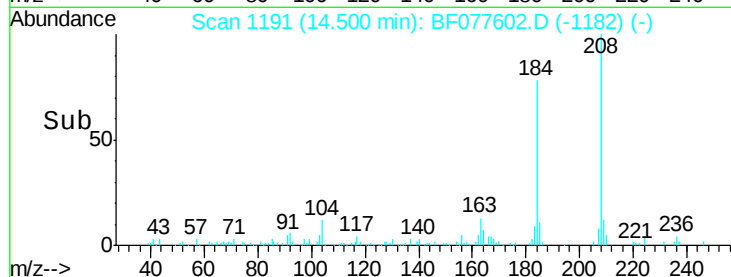
SB1



Tgt Ion:	184	Resp:	23954
Ion Ratio	100	Lower	Upper
185	16.5	12.6	18.8
183	14.4	9.3	13.9#

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#77

Pyrene

Concen: 31.73 ng

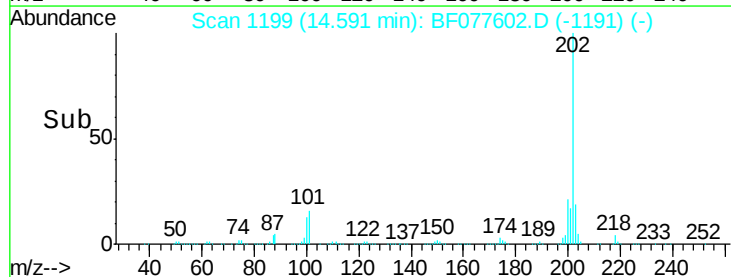
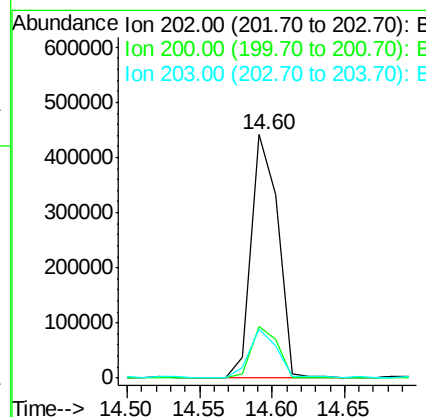
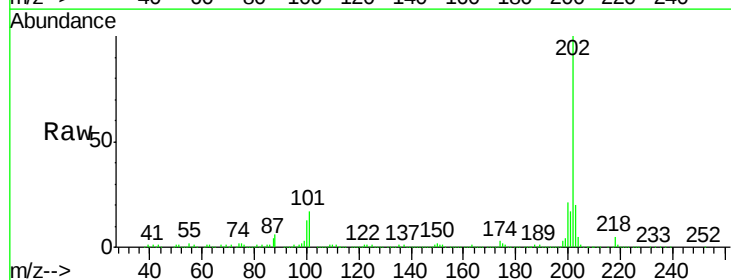
RT: 14.60 min Scan# 1199

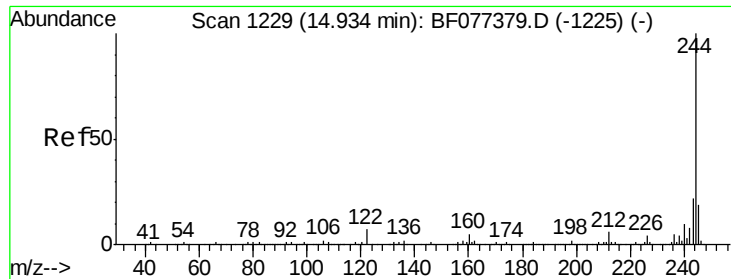
Delta R.T. -0.00 min

Lab File: BF077602.D

Acq: 5 Mar 2015 3:33

Tgt Ion:	202	Resp:	562877
Ion Ratio	100	Lower	Upper
200	21.3	17.1	25.7
203	19.9	14.2	21.2





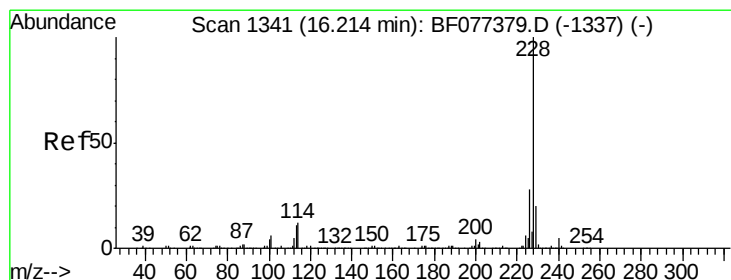
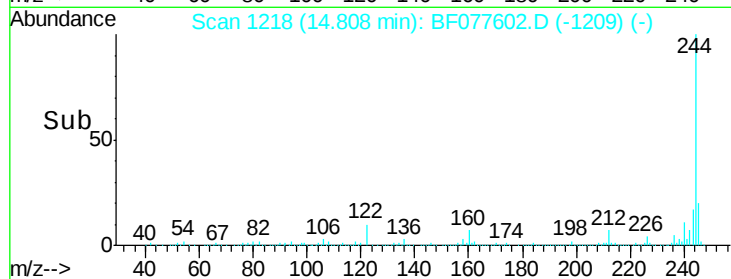
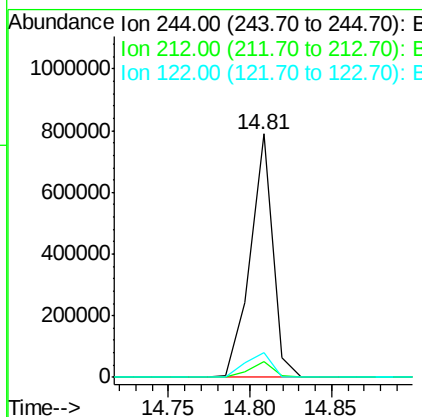
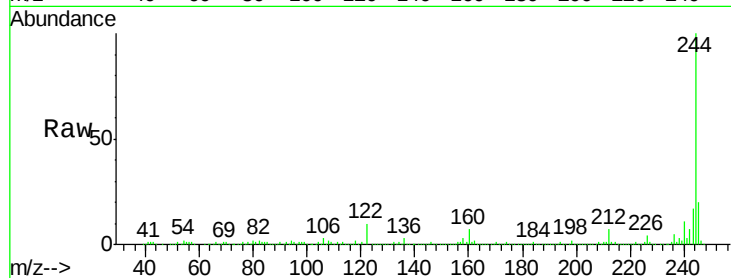
#78
 Terphenyl-d14
 Concen: 61.16 ng
 RT: 14.81 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF077602.D
 Acq: 5 Mar 2015 3:33

Instrument :
 BNA_F
 ClientSampled :
 SB1

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.2	7.8
122	10.3	7.8	11.8

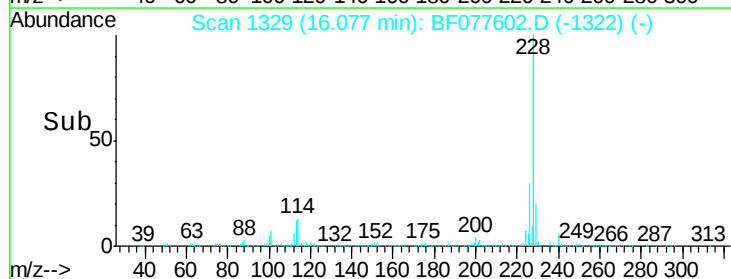
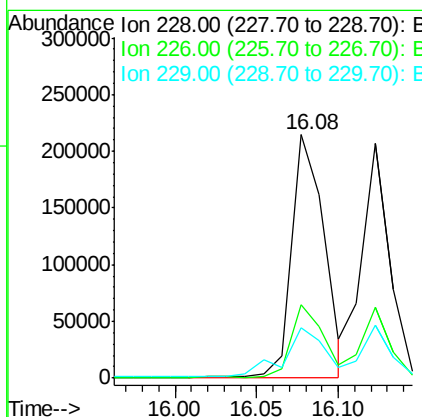
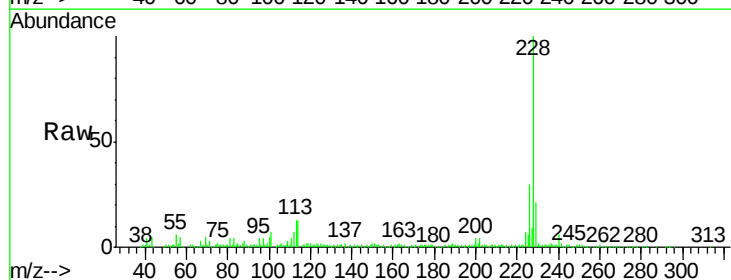
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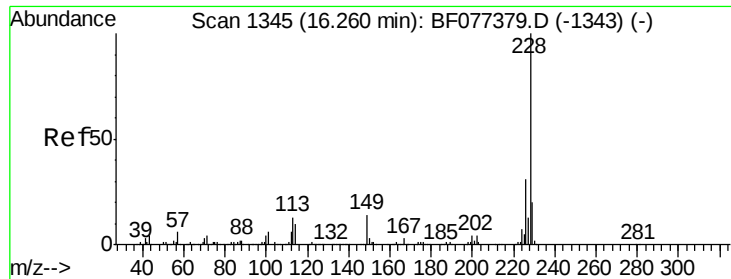
mohammad
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#80
 Benzo(a)anthracene
 Concen: 17.49 ng
 RT: 16.08 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: BF077602.D
 Acq: 5 Mar 2015 3:33

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.3	22.0	33.0
229	20.6	15.8	23.8





#82

Chrysene

Concen: 15.18 ng

RT: 16.12 min Scan# 1333

Delta R.T. -0.02 min

Lab File: BF077602.D

Acq: 5 Mar 2015 3:33

Instrument :

BNA_F

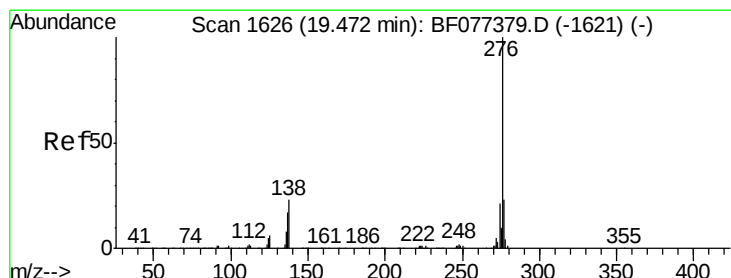
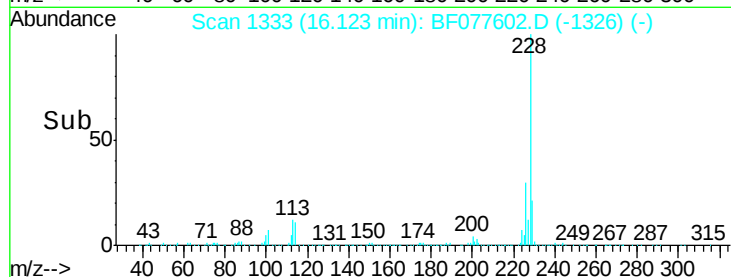
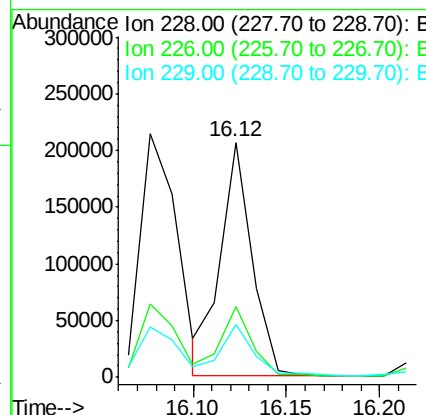
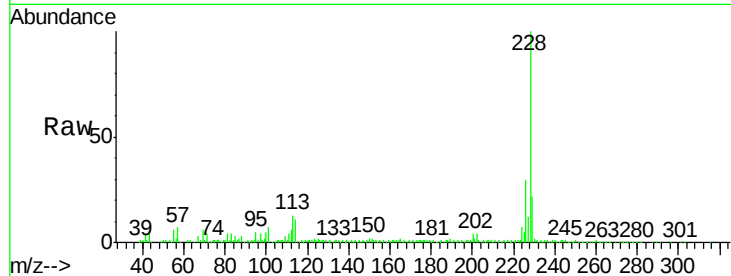
ClientSampleId :

SB1

Tgt Ion:	228	Resp:	242262
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.9	37.3
229	22.4	16.4	24.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.42 ng m

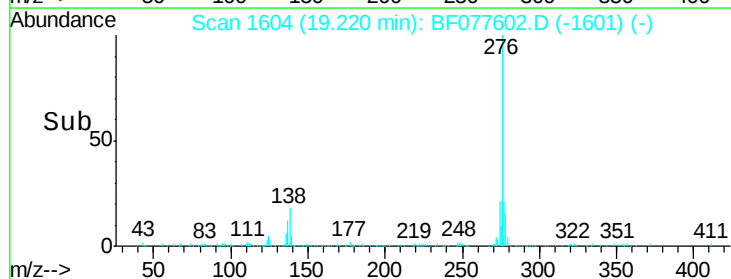
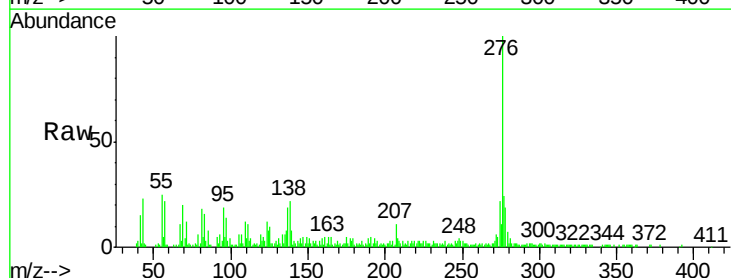
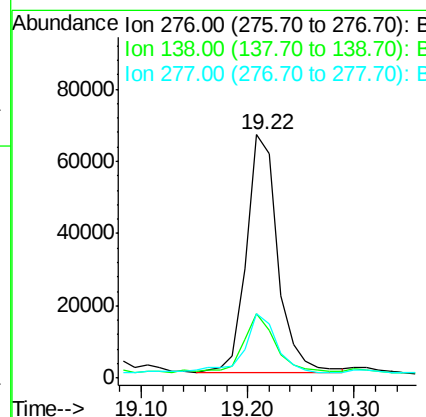
RT: 19.22 min Scan# 1604

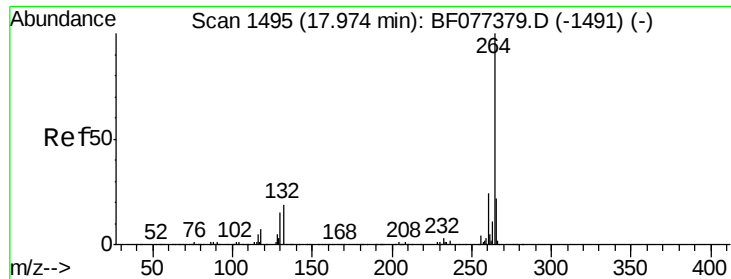
Delta R.T. -0.07 min

Lab File: BF077602.D

Acq: 5 Mar 2015 3:33

Tgt Ion:	276	Resp:	135001
Ion Ratio	Lower	Upper	
276	100		
138	18.3	21.2	31.8#
277	18.9	20.0	30.0#





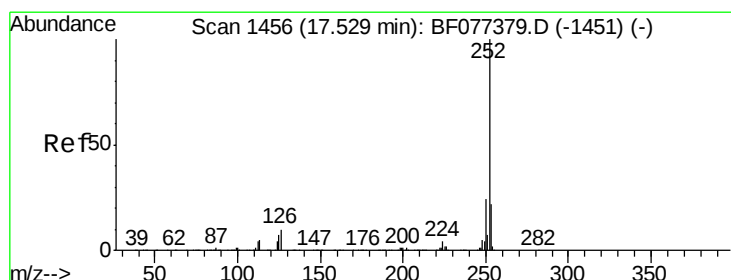
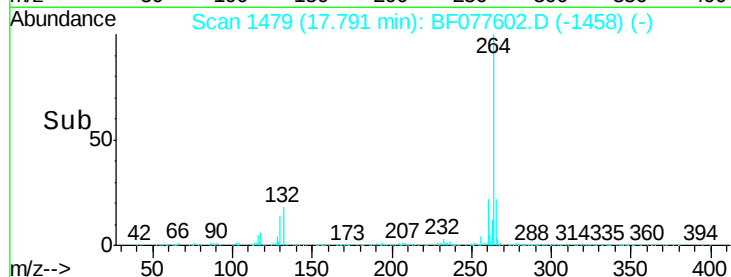
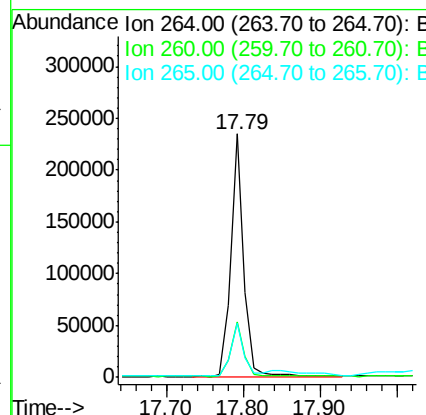
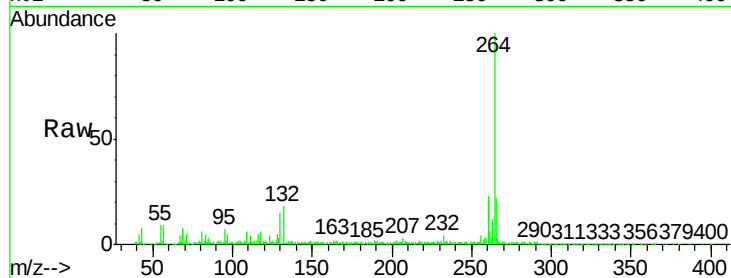
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.79 min Scan# 1479
Delta R.T. -0.05 min
Lab File: BF077602.D
Acq: 5 Mar 2015 3:33

Instrument :
BNA_F
ClientSampleId :
SB1

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	282599		
260	22.8	19.3	28.9	
265	22.0	16.8	25.2	

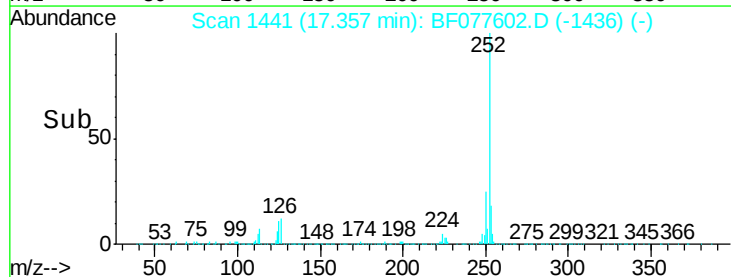
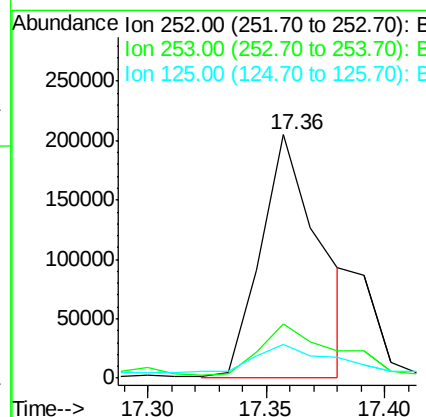
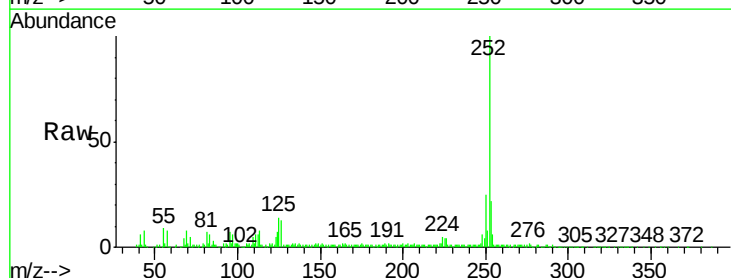
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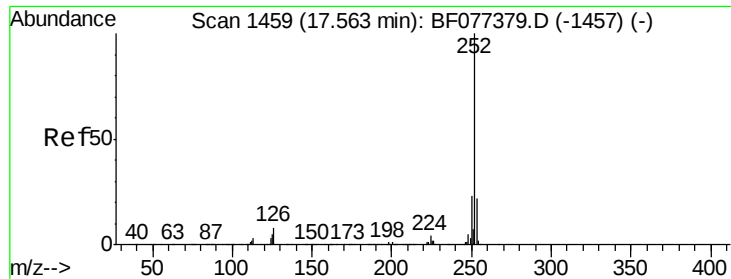
mohammad
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#87
Benzo(b)fluoranthene
Concen: 21.74 ng m
RT: 17.36 min Scan# 1441
Delta R.T. -0.04 min
Lab File: BF077602.D
Acq: 5 Mar 2015 3:33

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	357181		
253	22.4	17.6	26.4	
125	13.7	5.4	8.2#	





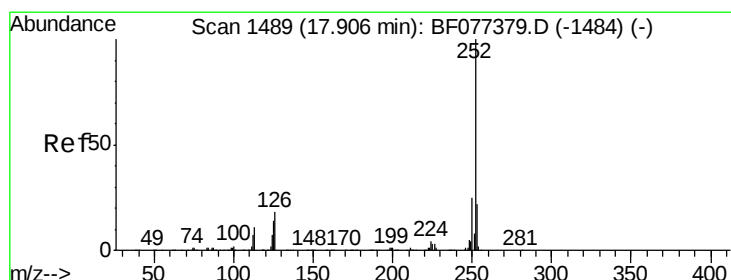
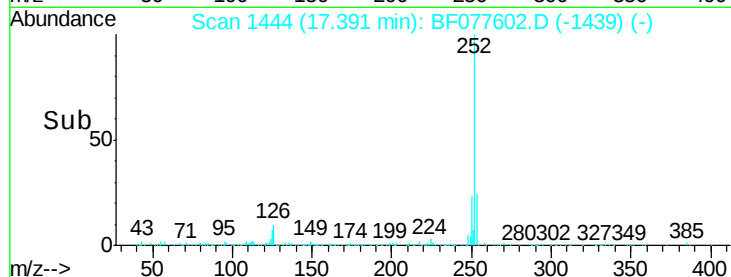
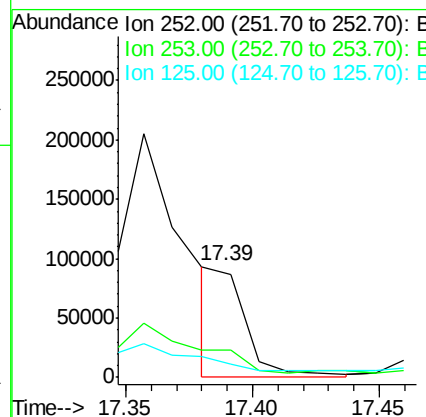
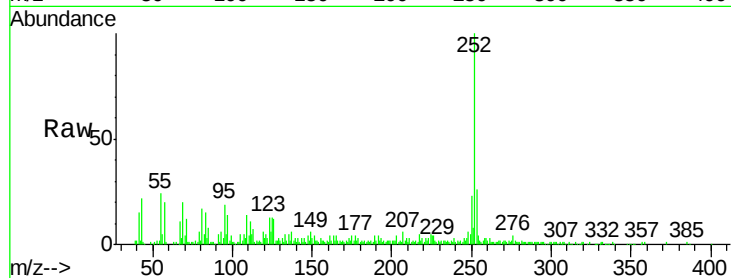
#88
Benzo(k)fluoranthene
Concen: 4.73 ng m
RT: 17.39 min Scan# 1444
Delta R.T. -0.05 min
Lab File: BF077602.D
Acq: 5 Mar 2015 3:33

Instrument :
BNA_F
ClientSampleId :
SB1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.1	27.1
125	13.2	10.1	15.1

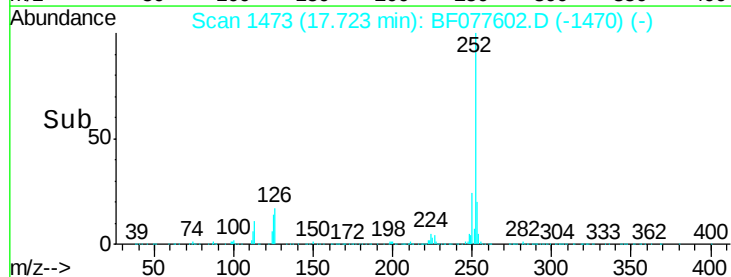
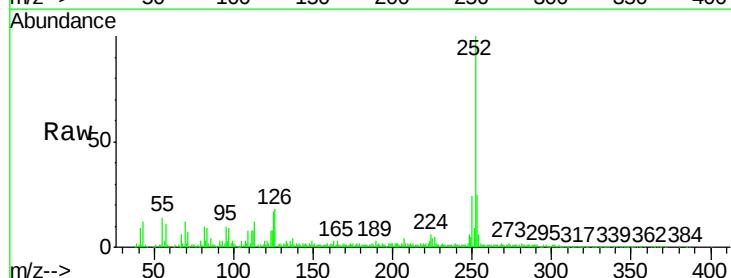
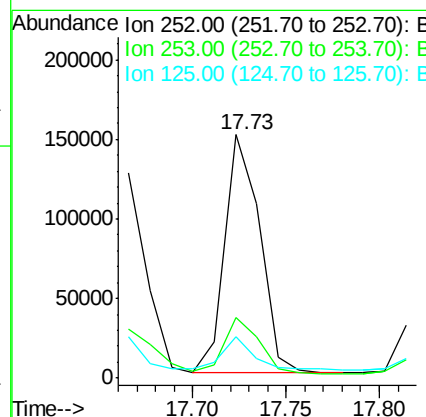
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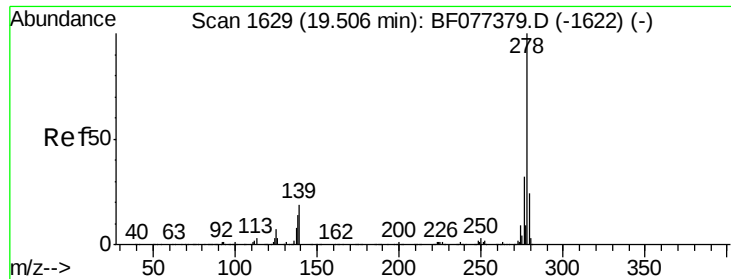
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#89
Benzo(a)pyrene
Concen: 12.66 ng
RT: 17.73 min Scan# 1473
Delta R.T. -0.06 min
Lab File: BF077602.D
Acq: 5 Mar 2015 3:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.2	27.2
125	17.1	8.3	12.5#





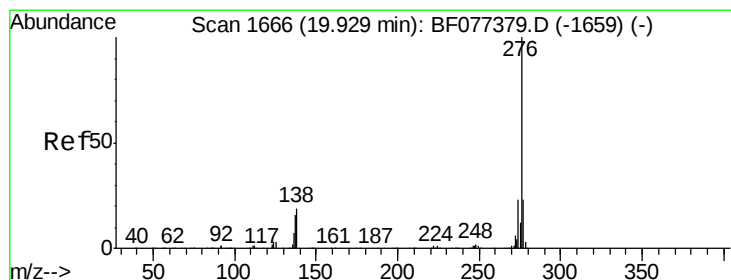
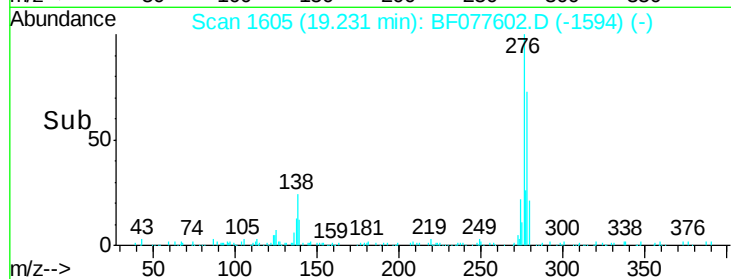
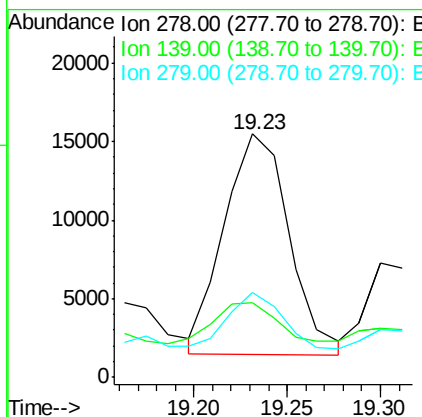
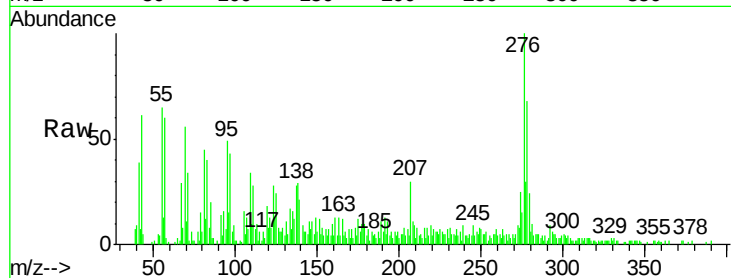
#90
Dibenzo(a,h)anthracene
Concen: 2.29 ng
RT: 19.23 min Scan# 1605
Delta R.T. -0.08 min
Lab File: BF077602.D
Acq: 5 Mar 2015 3:33

Instrument :
BNA_F
ClientSampleId :
SB1

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.5	14.3	21.5#
279	35.0	19.0	28.6#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 8.69 ng
RT: 19.64 min Scan# 1640
Delta R.T. -0.07 min
Lab File: BF077602.D
Acq: 5 Mar 2015 3:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.9	28.3
138	27.0	20.5	30.7

