

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
 Data File : BF077933.D
 Acq On : 25 Mar 2015 3:38
 Operator : TP/IZ
 Sample : G1613-11
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6-1

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Quant Time: Mar 25 05:10:59 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 25 04:36:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.12	152	46622	20.00	ng	0.00
21) Naphthalene-d8	8.69	136	193357	20.00	ng	0.00
38) Acenaphthene-d10	10.86	164	94400	20.00	ng	0.00
63) Phenanthrene-d10	12.69	188	178765	20.00	ng	0.00
75) Chrysene-d12	15.99	240	196277	20.00	ng	0.00
86) Perylene-d12	17.75	264	191153	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	286375	107.22	ng	0.00
7) Phenol-d6	6.69	99	360275	109.17	ng	0.00
23) Nitrobenzene-d5	7.81	82	225659	76.50	ng	0.00
41) 2,4,6-Tribromophenol	11.85	330	91173	100.94	ng	0.01
44) 2-Fluorobiphenyl	10.04	172	475513	74.03	ng	0.00
78) Terphenyl-d14	14.69	244	507917	63.21	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.54	163	15248	2.18	ng	# 99
57) Fluorene	11.54	166	14523m	2.02	ng	
70) Phenanthrene	12.73	178	206627	20.13	ng	99
71) Anthracene	12.80	178	50840	5.01	ng	97
72) Carbazole	13.00	167	21305	2.21	ng	98
74) Fluoranthene	14.20	202	412105	36.41	ng	97
77) Pyrene	14.48	202	344042	27.87	ng	96
80) Benzo(a)anthracene	15.97	228	216248	18.59	ng	98
82) Chrysene	16.02	228	167652	16.03	ng	97
85) Indeno(1,2,3-cd)pyrene	19.12	276	122021	9.34	ng	# 100
87) Benzo(b)fluoranthene	17.29	252	259493m	20.79	ng	
88) Benzo(k)fluoranthene	17.32	252	87383m	8.96	ng	
89) Benzo(a)pyrene	17.68	252	190453	18.29	ng	# 95
90) Dibenzo(a,h)anthracene	19.14	278	26065	2.52	ng	# 86
91) Benzo(g,h,i)perylene	19.52	276	116890	11.12	ng	94

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

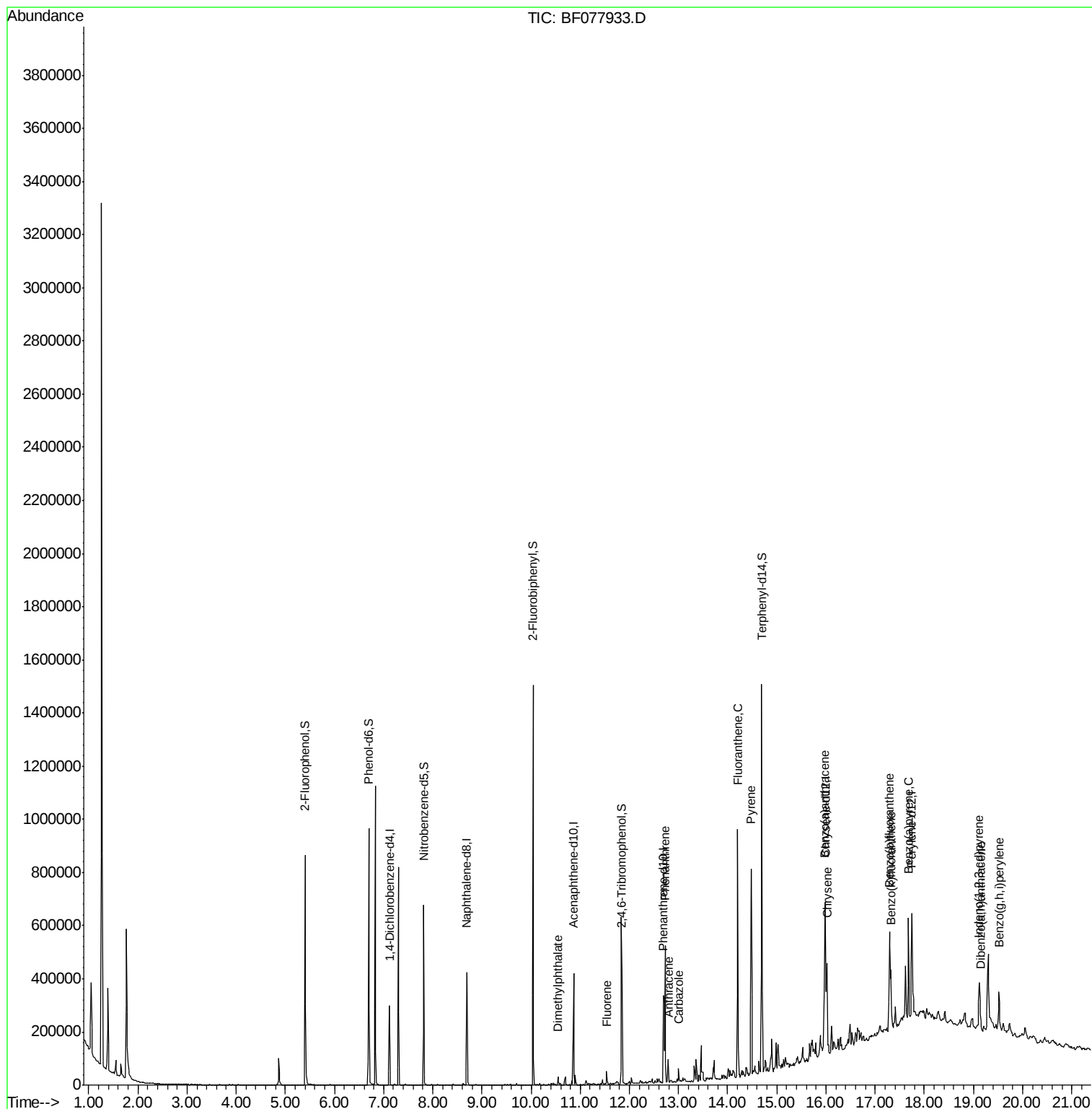
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
Data File : BF077933.D
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Operator : TP/IZ
Sample : G1613-11
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ALS Vial : 24 Sample Multiplier: 1

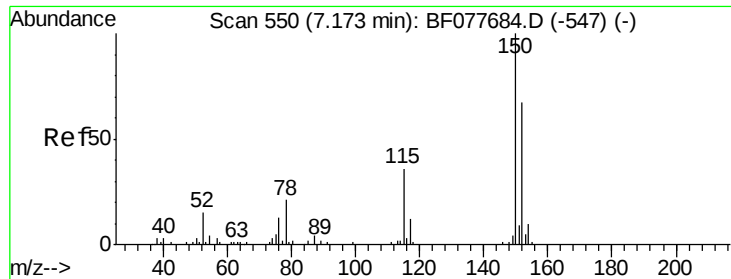
Instrument :
BNA_F
ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
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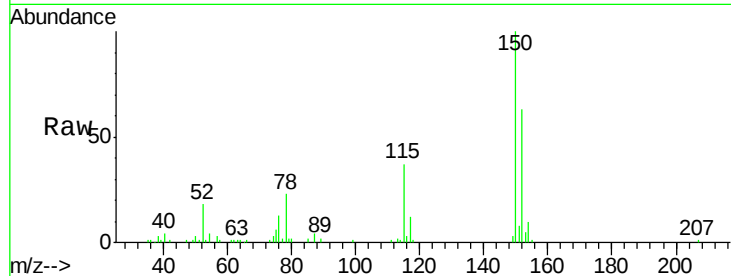




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.12 min Scan# 545
Delta R.T. -0.00 min
Lab File: BF077933.D
Acq: 25 Mar 2015 3:38

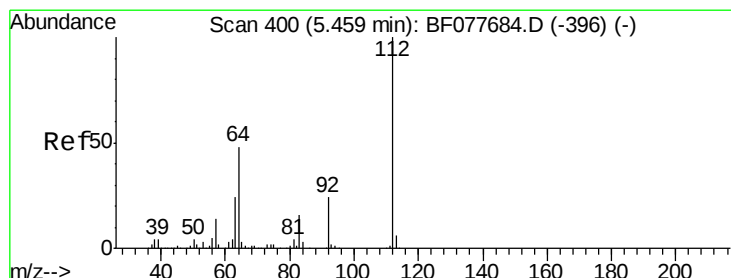
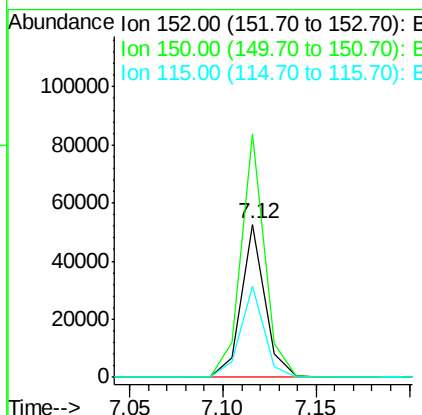
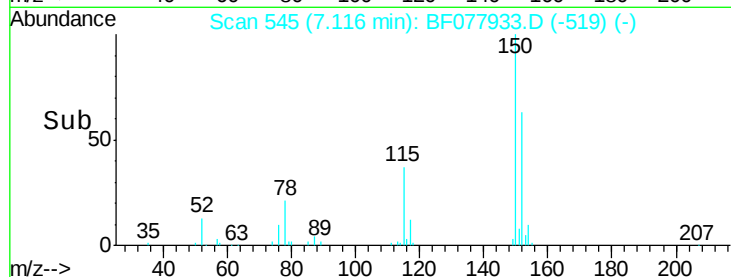
Instrument :
BNA_F
ClientSampleId :
SB-6-1



Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.0	119.5	179.3
115	59.2	43.0	64.4

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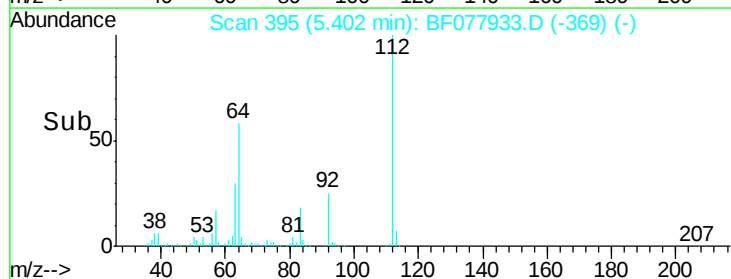
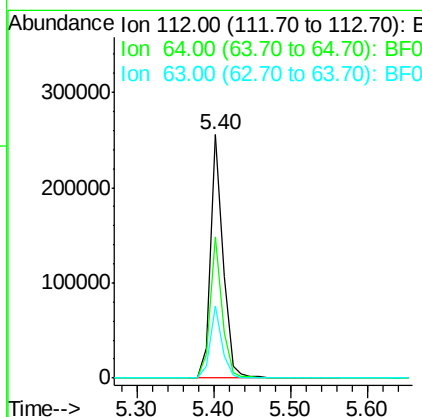
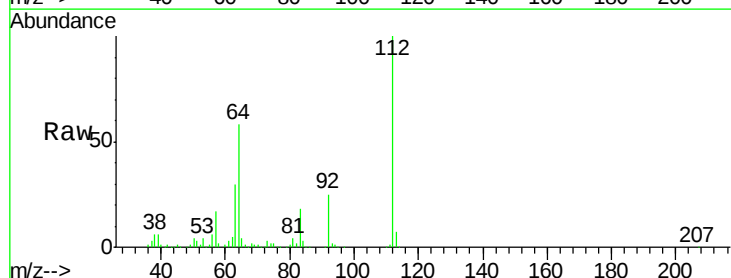
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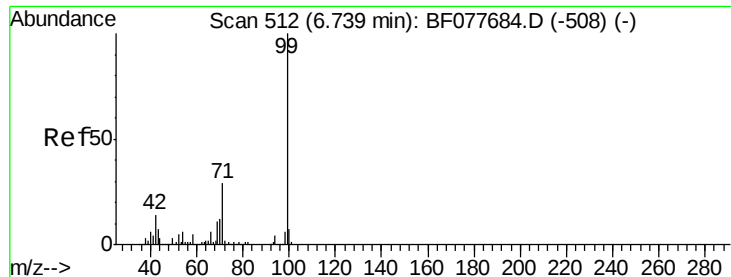


#5

2-Fluorophenol
Concen: 107.22 ng
RT: 5.40 min Scan# 395
Delta R.T. -0.00 min
Lab File: BF077933.D
Acq: 25 Mar 2015 3:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	38.6	57.8#
63	29.7	19.3	28.9#





#7

Phenol-d6

Concen: 109.17 ng

RT: 6.69 min Scan# 508

Delta R.T. 0.00 min

Lab File: BF077933.D

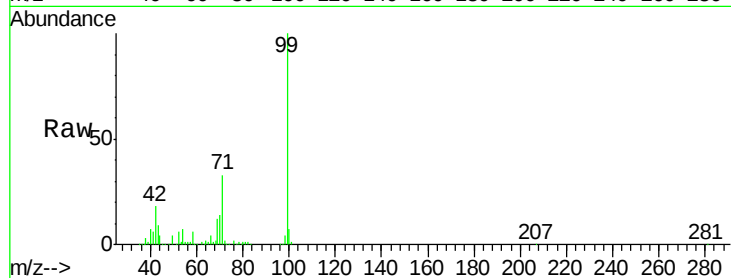
Acq: 25 Mar 2015 3:38

Instrument :

BNA_F

ClientSampleId :

SB-6-1

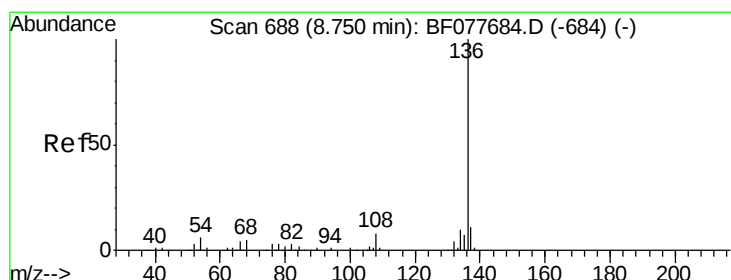
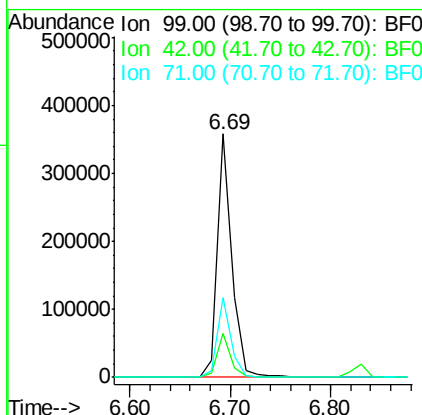
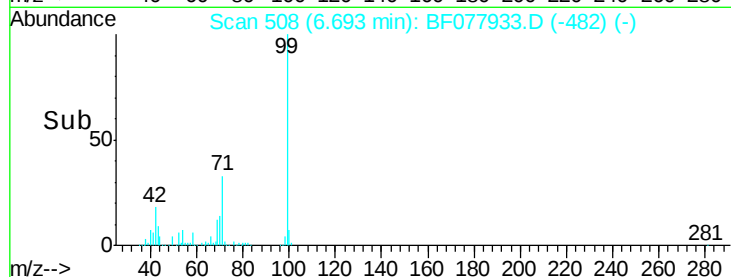


Tgt Ion: 99 Resp: 360275

Ion	Ratio	Lower	Upper
99	100		
42	18.0	11.0	16.4#
71	33.0	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.69 min Scan# 683

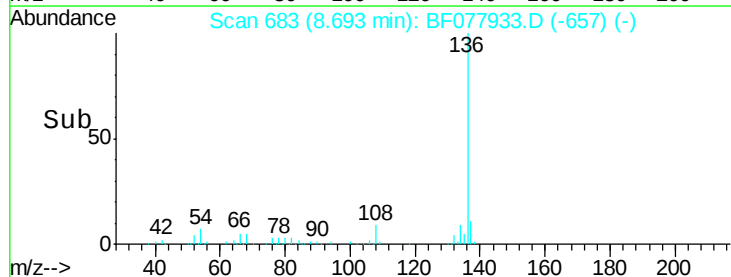
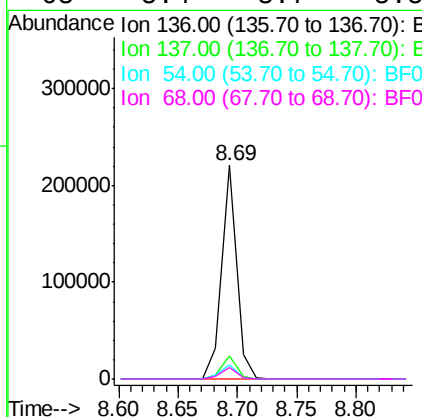
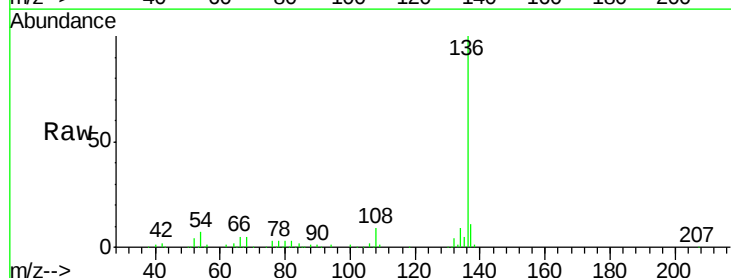
Delta R.T. -0.00 min

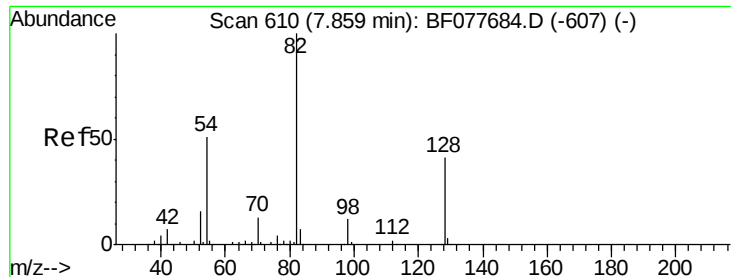
Lab File: BF077933.D

Acq: 25 Mar 2015 3:38

Tgt Ion: 136 Resp: 193357

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	6.8	4.6	6.8#
68	5.4	3.7	5.5





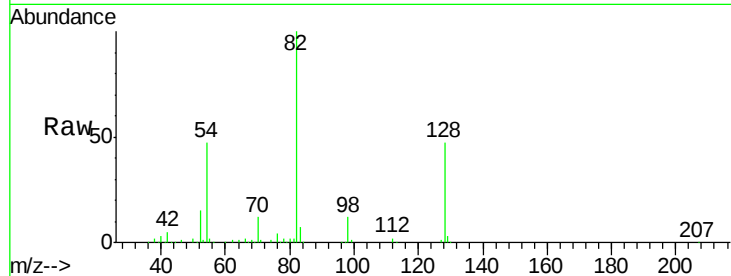
#23
 Nitrobenzene-d5
 Concen: 76.50 ng
 RT: 7.81 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: BF077933.D
 Acq: 25 Mar 2015 3:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-6-1

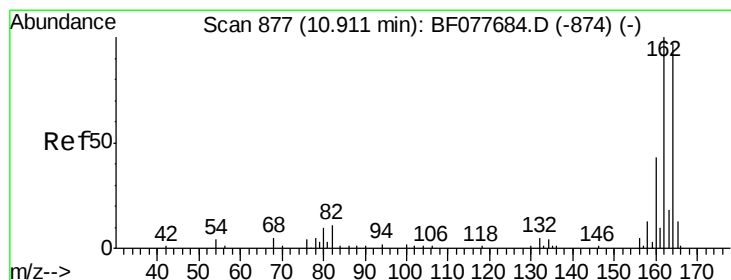
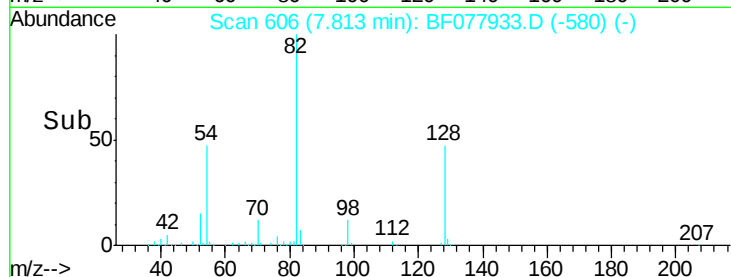
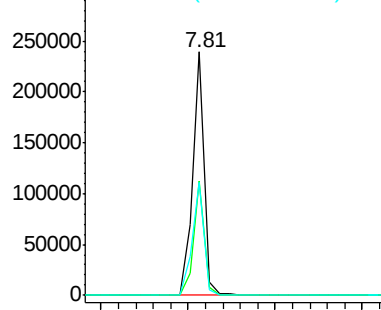
Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.1	32.8	49.2
54	46.7	40.6	60.8

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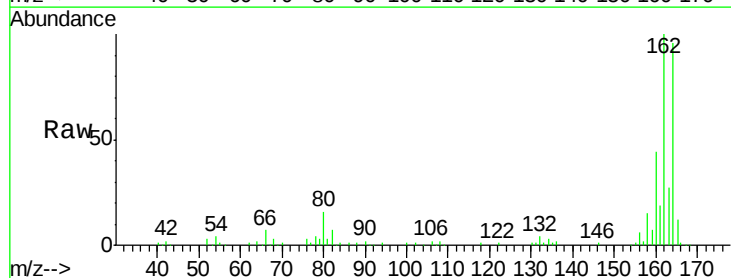


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

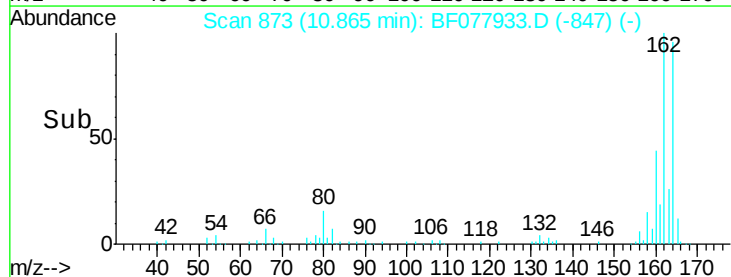
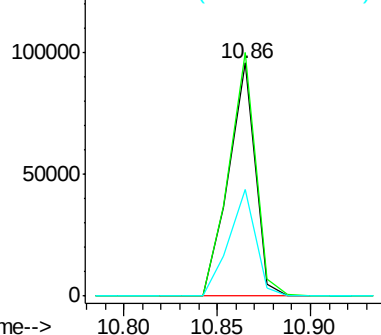


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.86 min Scan# 873
 Delta R.T. -0.00 min
 Lab File: BF077933.D
 Acq: 25 Mar 2015 3:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.4	123.6
160	45.8	35.8	53.6



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





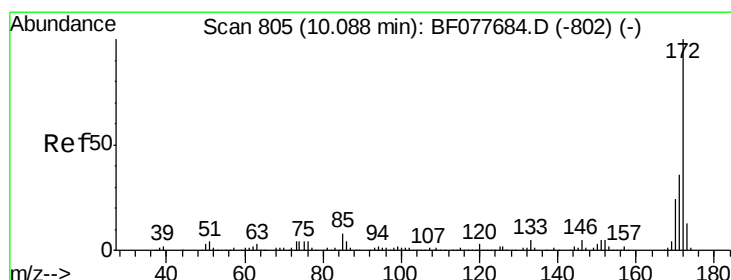
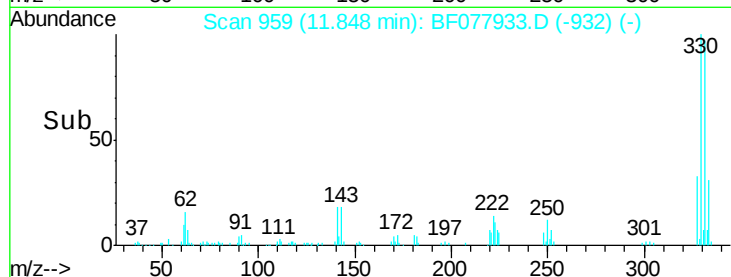
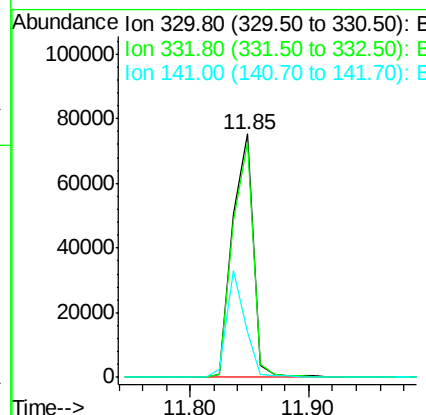
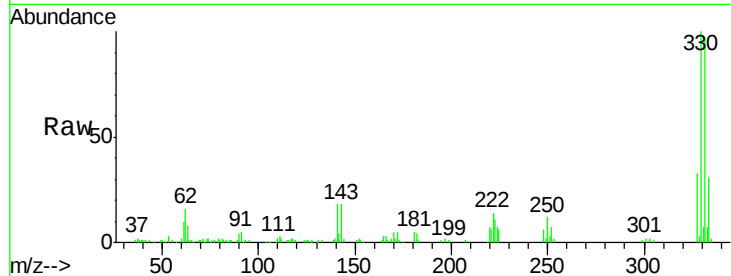
#41
 2,4,6-Tribromophenol
 Concen: 100.94 ng
 RT: 11.85 min Scan# 959
 Delta R.T. 0.01 min
 Lab File: BF077933.D
 Acq: 25 Mar 2015 3:38

Instrument :
 BNA_F
 ClientSampleID :
 SB-6-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	96.3	0.0	0.0#
141	38.3	0.0	0.0#

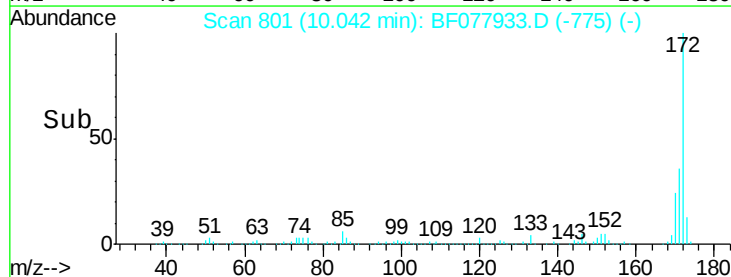
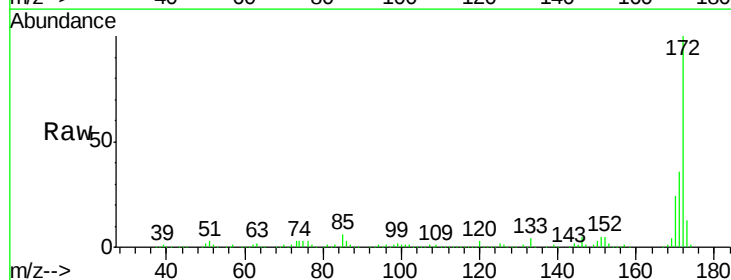
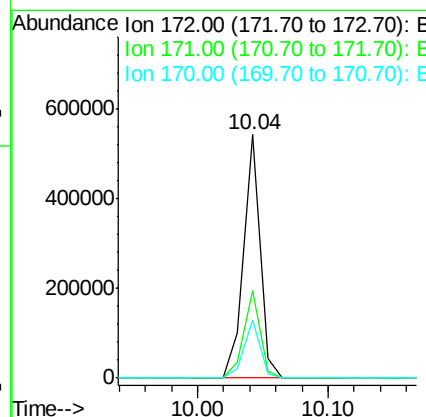
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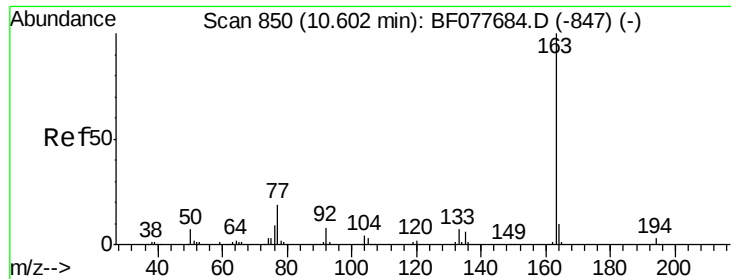
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#44
 2-Fluorobiphenyl
 Concen: 74.03 ng
 RT: 10.04 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: BF077933.D
 Acq: 25 Mar 2015 3:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.7	28.5	42.7
170	23.8	18.8	28.2





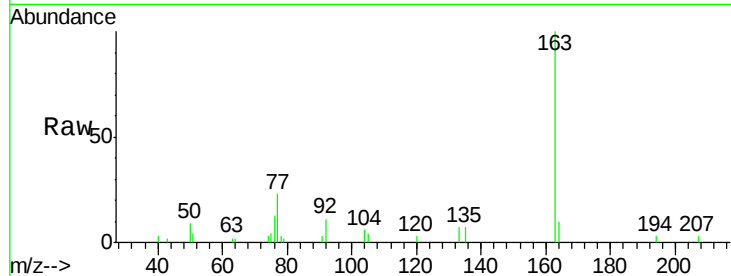
#49
Dimethylphthalate
Concen: 2.18 ng
RT: 10.54 min Scan# 845
Delta R.T. -0.01 min
Lab File: BF077933.D
Acq: 25 Mar 2015 3:38

Instrument :
BNA_F
ClientSampleId :
SB-6-1

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	15248		
194	2.7		2.7	4.1#
164	10.3		8.2	12.2

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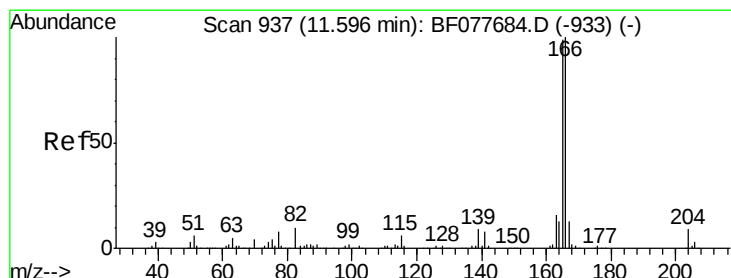
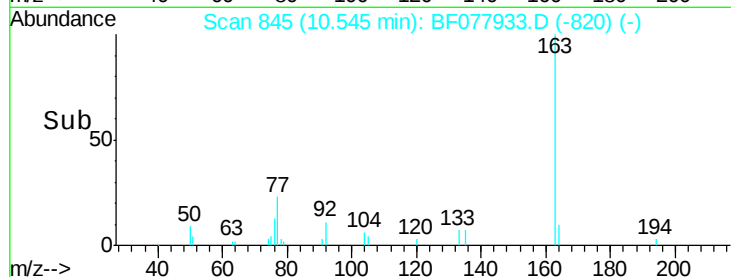
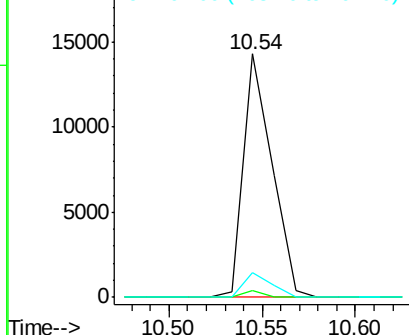


Abundance

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



#57
Fluorene
Concen: 2.02 ng m
RT: 11.54 min Scan# 932
Delta R.T. -0.00 min
Lab File: BF077933.D
Acq: 25 Mar 2015 3:38

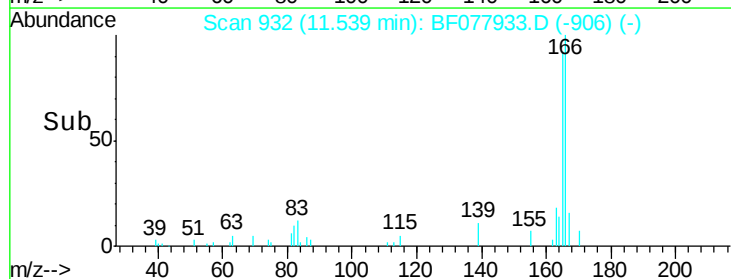
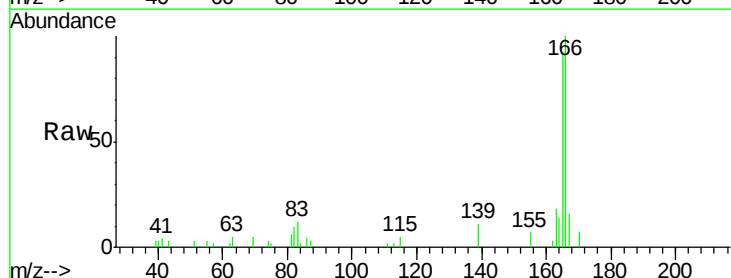
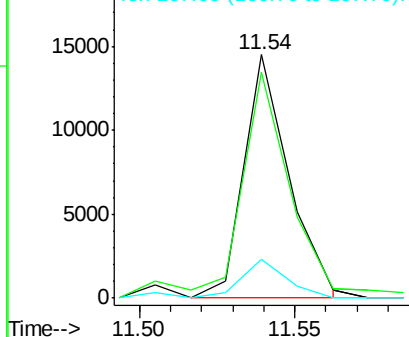
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	14523		
165	92.5		79.0	118.4
167	16.0		10.3	15.5#

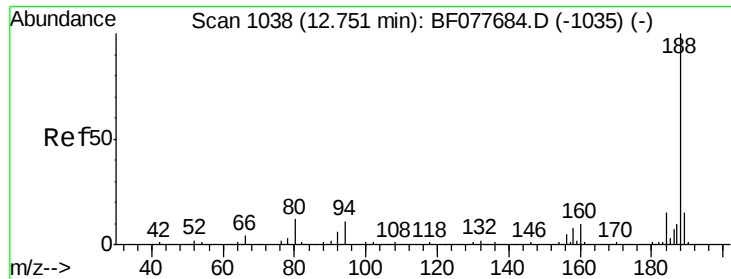
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





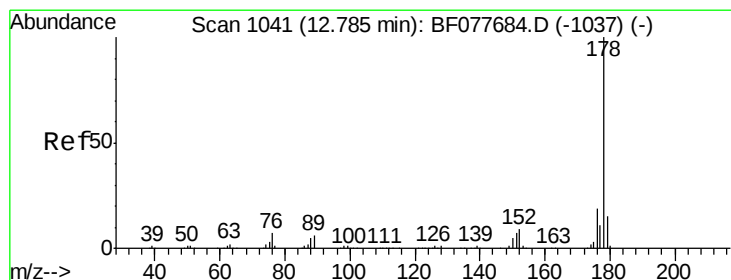
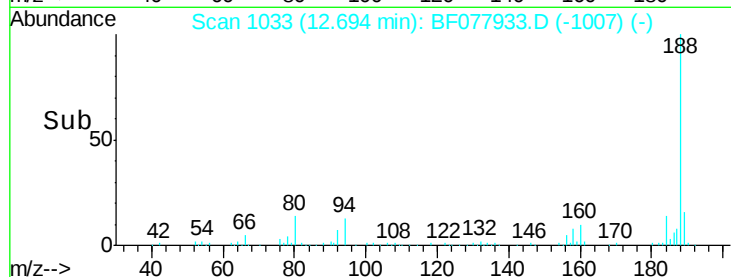
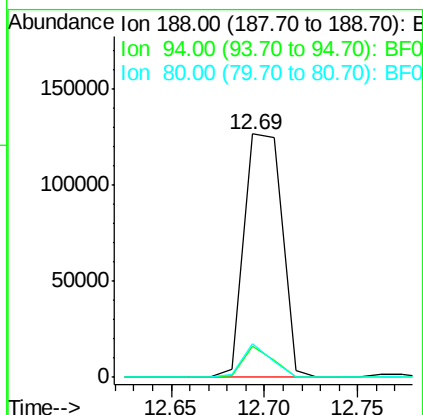
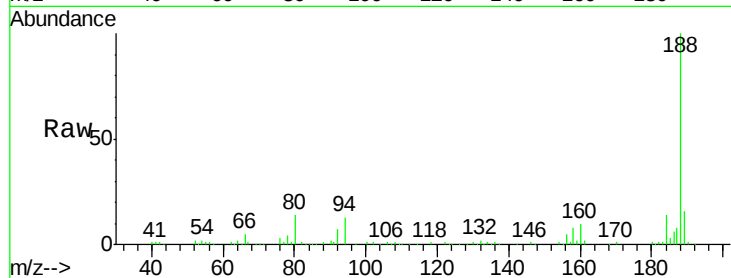
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.69 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF077933.D
Acq: 25 Mar 2015 3:38

Instrument :
BNA_F
ClientSampleId :
SB-6-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.6	8.7	13.1
80	14.0	9.3	13.9

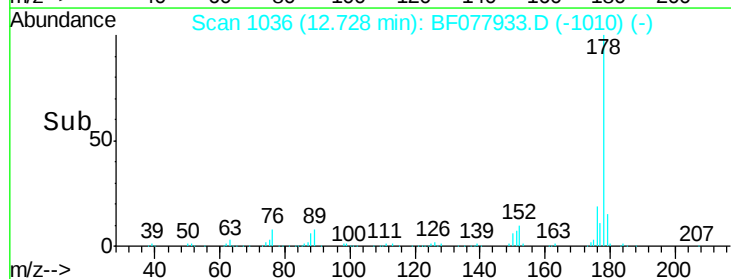
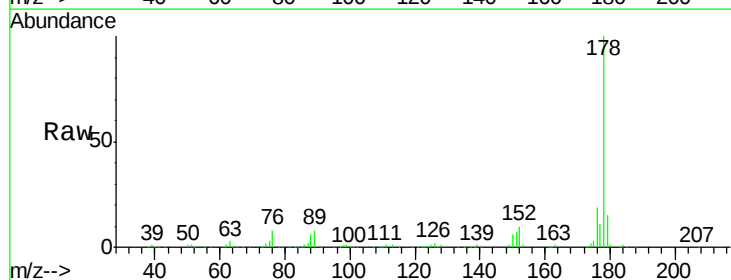
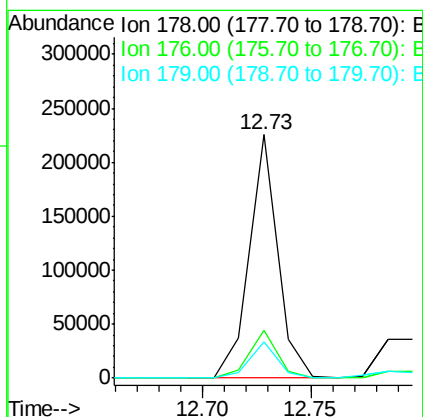
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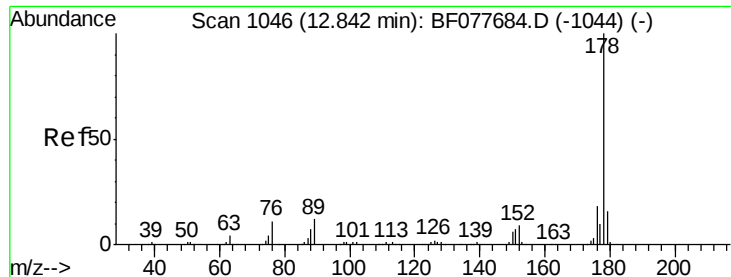
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#70
Phenanthrene
Concen: 20.13 ng
RT: 12.73 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF077933.D
Acq: 25 Mar 2015 3:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.4	15.2	22.8
179	14.9	12.1	18.1





#71

Anthracene

Concen: 5.01 ng

RT: 12.80 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF077933.D

Acq: 25 Mar 2015 3:38

Instrument :

BNA_F

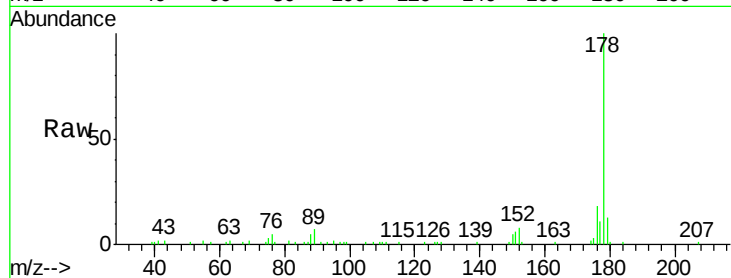
ClientSampled :

SB-6-1

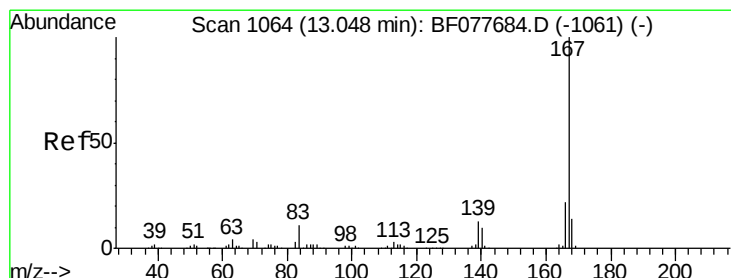
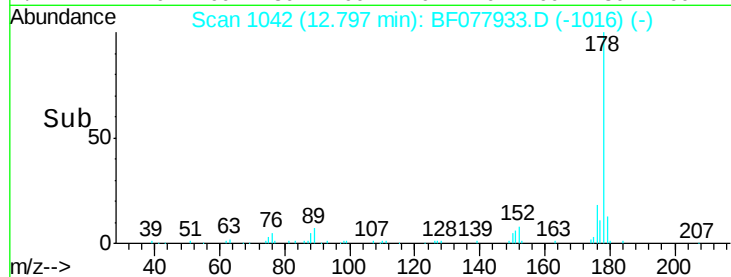
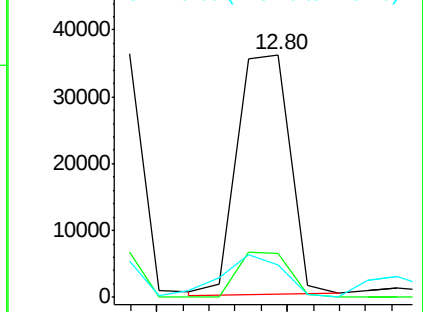
Tgt Ion:	178	Resp:	50840
Ion Ratio	Lower	Upper	
178	100		
176	18.2	14.6	22.0
179	13.3	12.6	19.0

Manual Integrations
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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



#72

Carbazole

Concen: 2.21 ng

RT: 13.00 min Scan# 1060

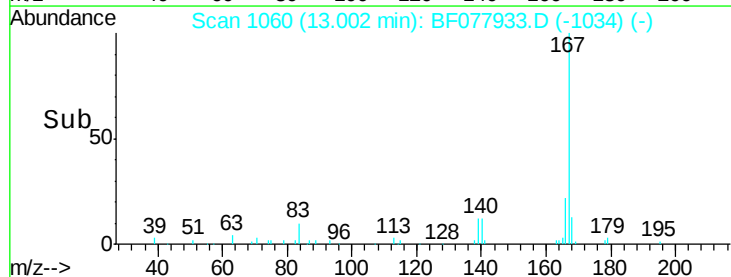
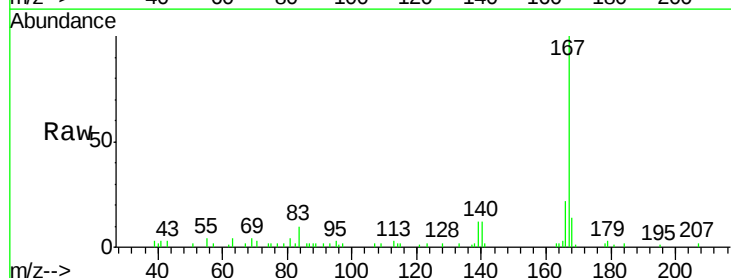
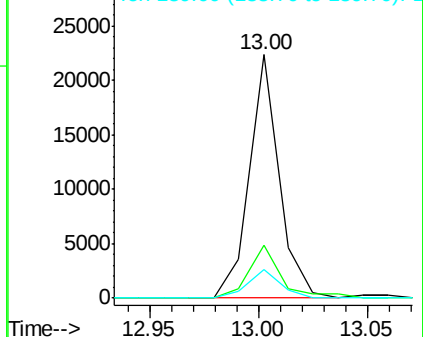
Delta R.T. -0.00 min

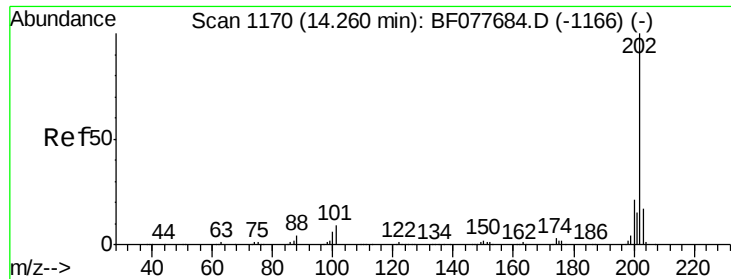
Lab File: BF077933.D

Acq: 25 Mar 2015 3:38

Tgt Ion:	167	Resp:	21305
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.2	25.8
139	12.0	10.8	16.2

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 36.41 ng

RT: 14.20 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BF077933.D

Acq: 25 Mar 2015 3:38

Instrument :

BNA_F

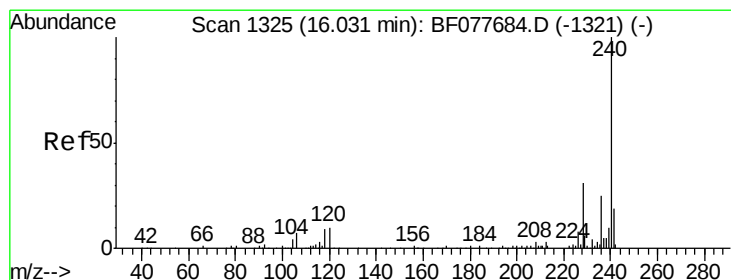
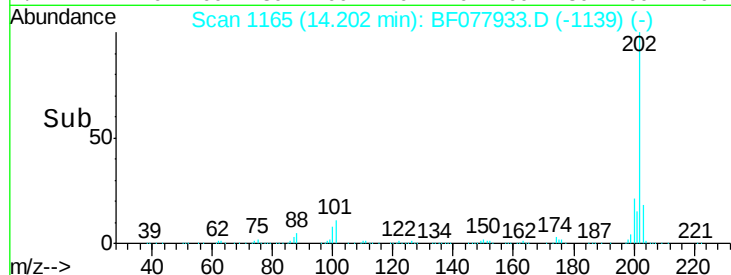
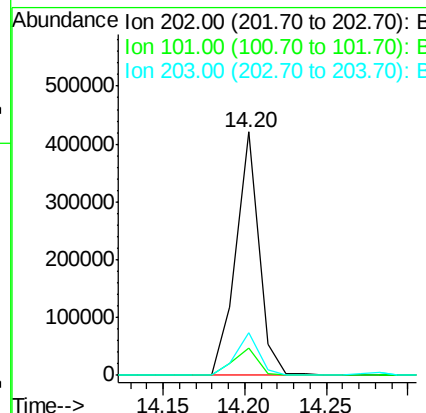
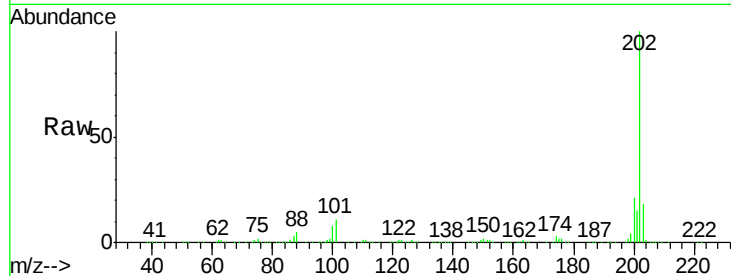
ClientSampled :

SB-6-1

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		412105		
101	11.0	0.0	28.7		
203	17.7	0.0	37.2		

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#75

Chrysene-d12

Concen: 20.00 ng

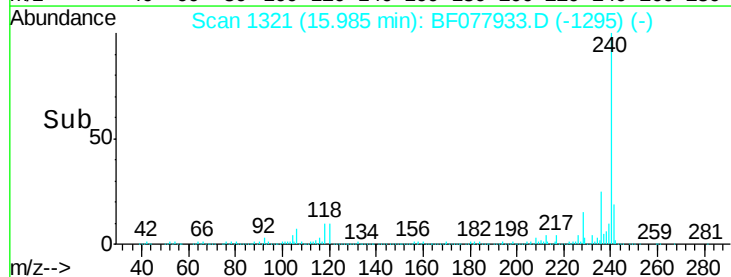
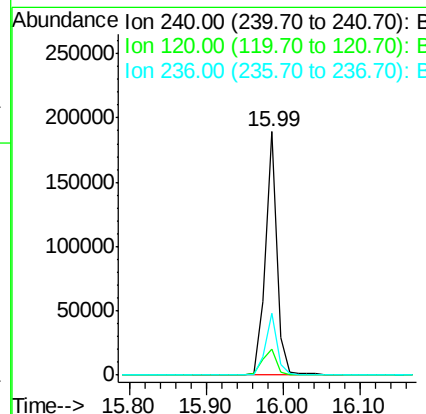
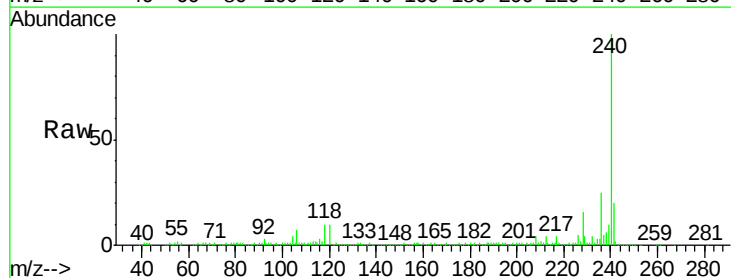
RT: 15.99 min Scan# 1321

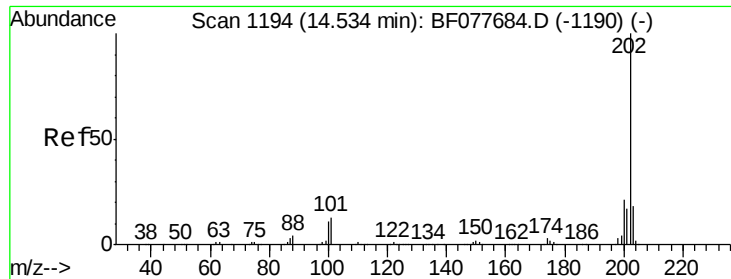
Delta R.T. 0.00 min

Lab File: BF077933.D

Acq: 25 Mar 2015 3:38

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		196277		
120	10.4	8.2	12.2		
236	25.4	20.0	30.0		





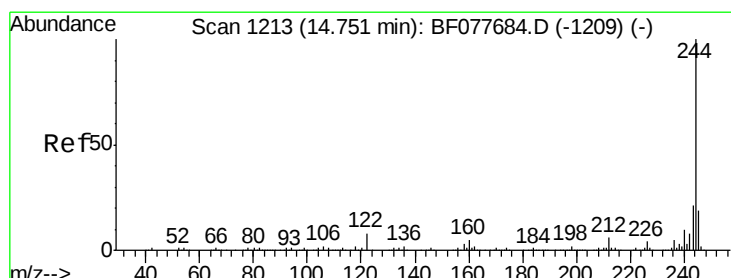
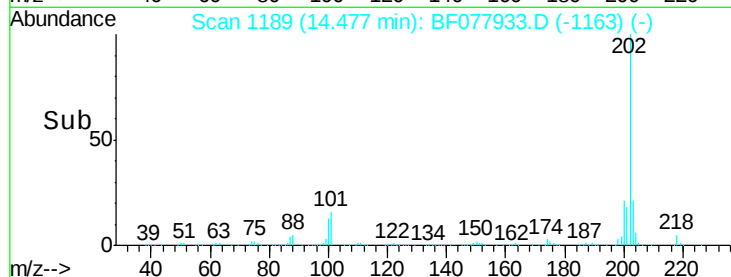
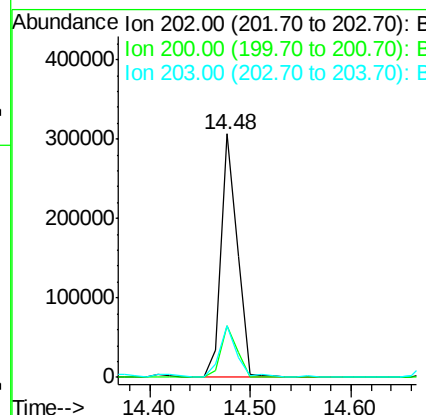
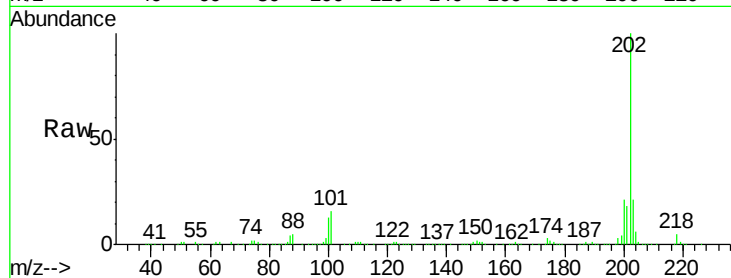
#77
 Pyrene
 Concen: 27.87 ng
 RT: 14.48 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BF077933.D
 Acq: 25 Mar 2015 3:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-6-1

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	344042		
200	21.2	16.9	25.3	
203	21.0	14.1	21.1	

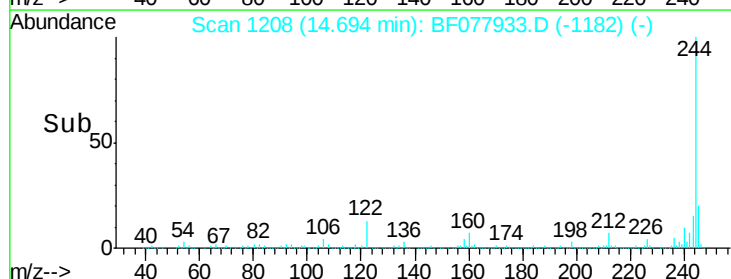
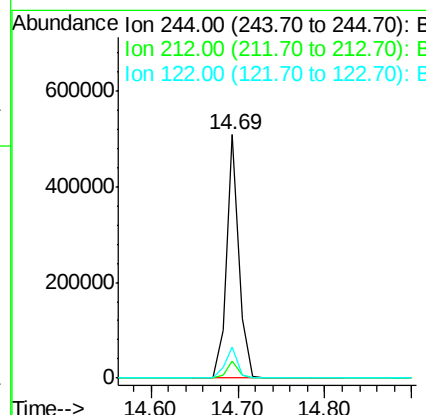
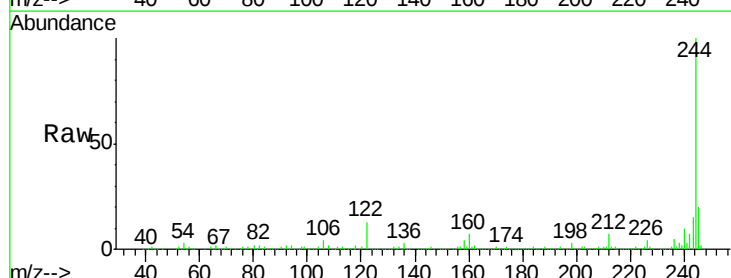
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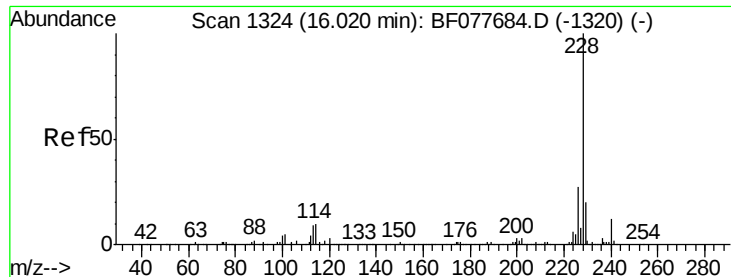
mohammad
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#78
 Terphenyl-d14
 Concen: 63.21 ng
 RT: 14.69 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: BF077933.D
 Acq: 25 Mar 2015 3:38

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	507917		
212	6.9	4.9	7.3	
122	12.8	6.2	9.4	





#80

Benzo(a)anthracene

Concen: 18.59 ng

RT: 15.97 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF077933.D

Acq: 25 Mar 2015 3:38

Instrument :

BNA_F

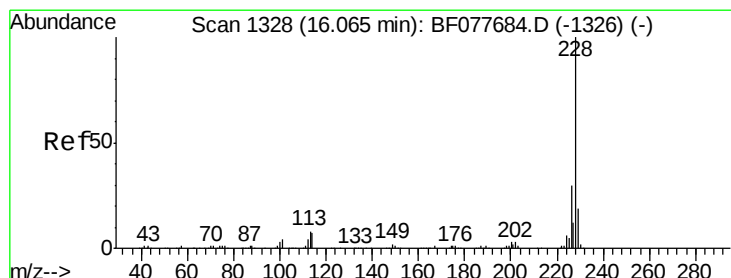
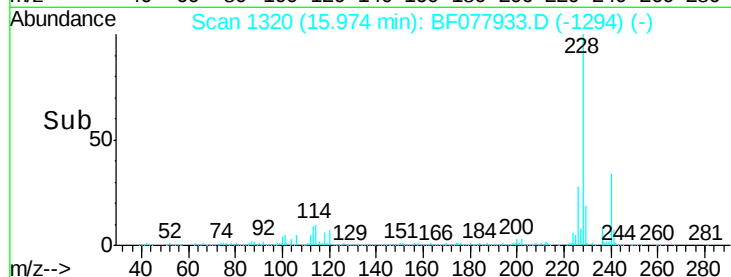
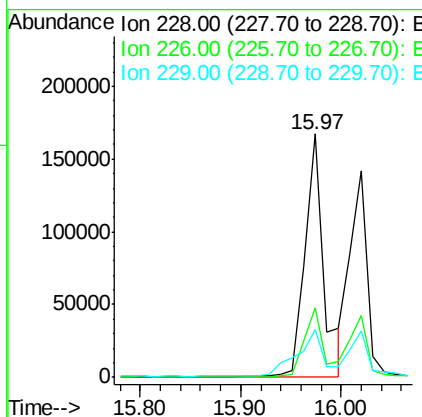
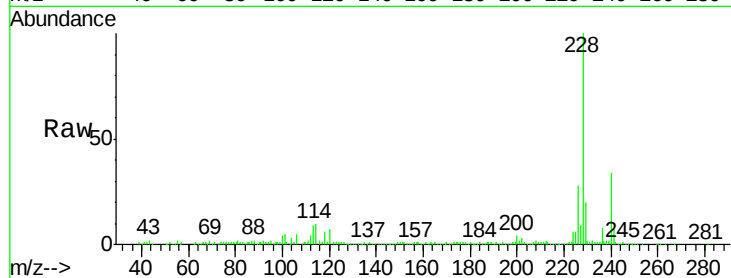
ClientSampleId :

SB-6-1

Tgt Ion:	228	Resp:	216248
Ion Ratio	Lower	Upper	
228	100		
226	28.4	21.7	32.5
229	19.9	16.0	24.0

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#82

Chrysene

Concen: 16.03 ng

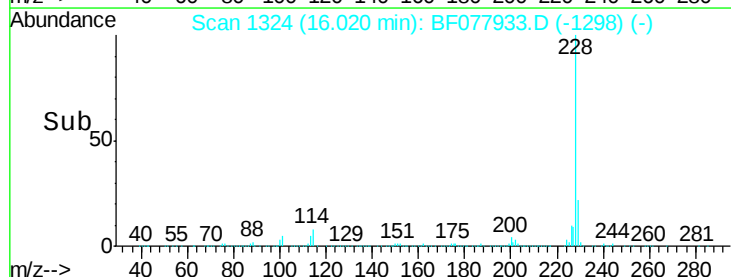
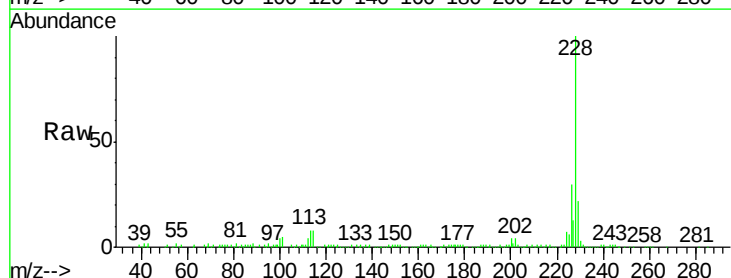
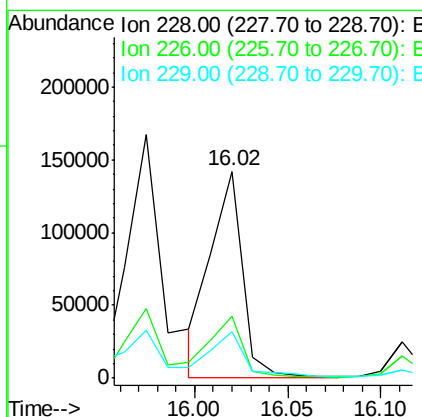
RT: 16.02 min Scan# 1324

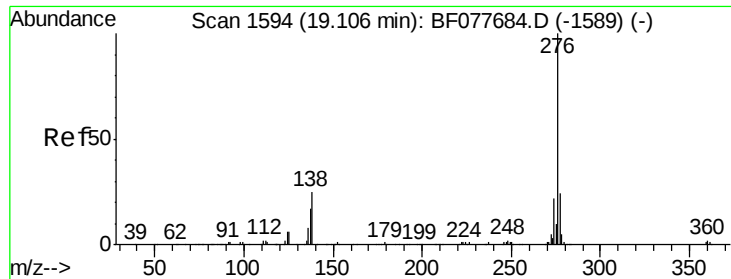
Delta R.T. -0.00 min

Lab File: BF077933.D

Acq: 25 Mar 2015 3:38

Tgt Ion:	228	Resp:	167652
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.1	36.1
229	22.2	15.5	23.3





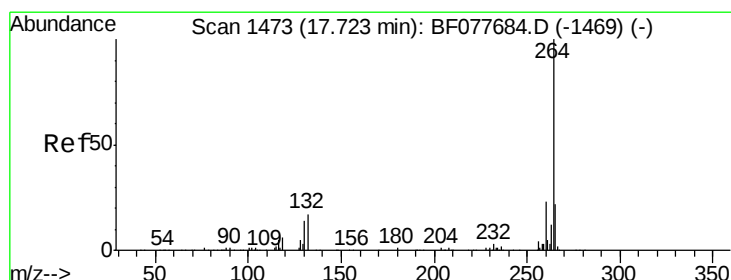
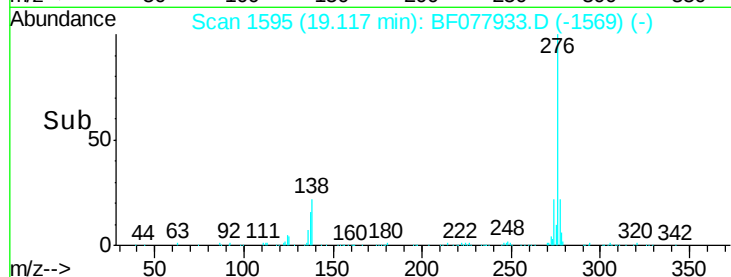
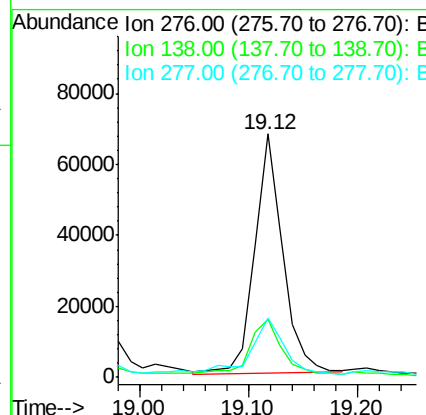
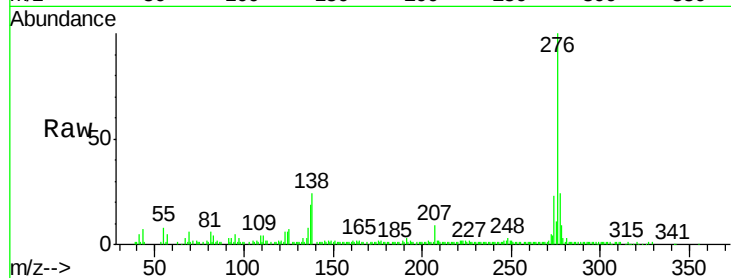
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.34 ng
RT: 19.12 min Scan# 1595
Delta R.T. -0.00 min
Lab File: BF077933.D
Acq: 25 Mar 2015 3:38

Instrument :
BNA_F
ClientSampleId :
SB-6-1

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	25.3	0.0	0.0#
277	28.2	0.0	0.0#

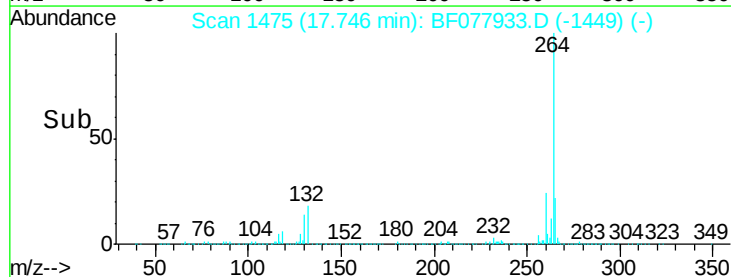
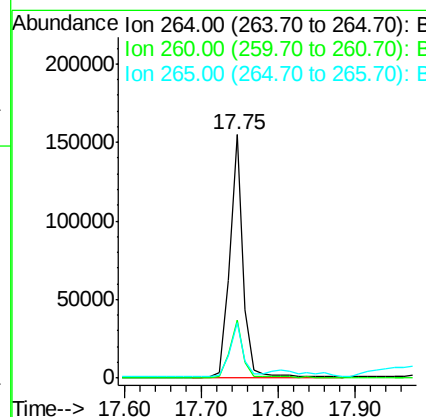
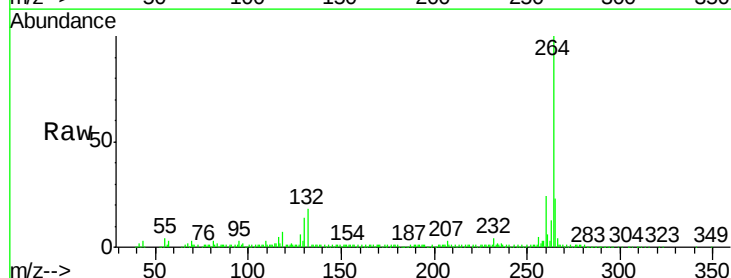
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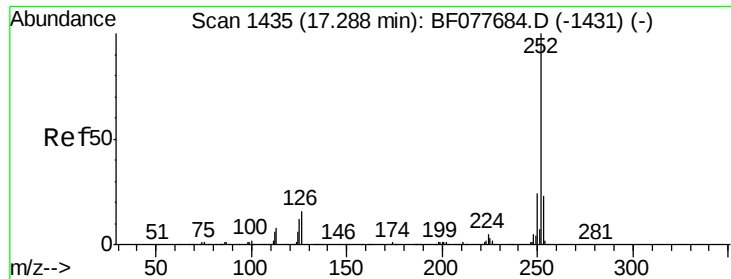
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 17.75 min Scan# 1475
Delta R.T. -0.00 min
Lab File: BF077933.D
Acq: 25 Mar 2015 3:38

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.9	18.6	27.8
265	22.8	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 20.79 ng m

RT: 17.29 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF077933.D

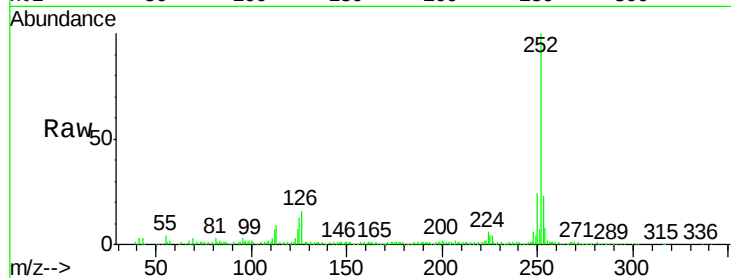
Acq: 25 Mar 2015 3:38

Instrument :
BNA_F
ClientSampled :
SB-6-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	13.2	9.9	14.9

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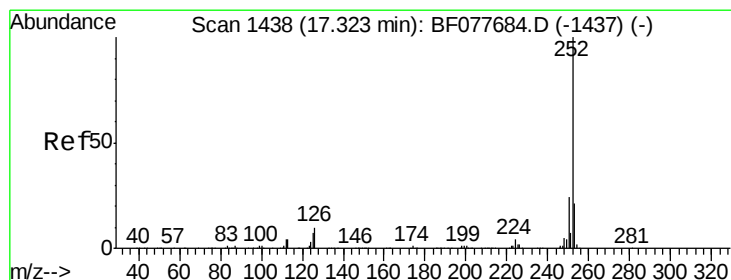
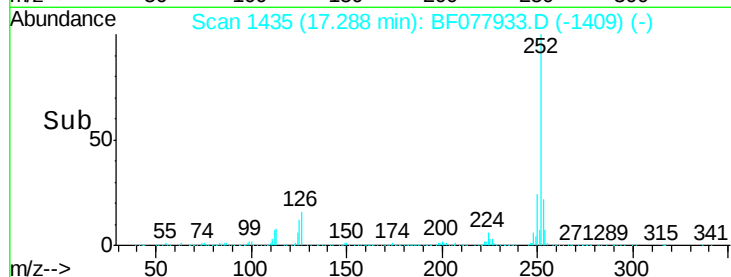
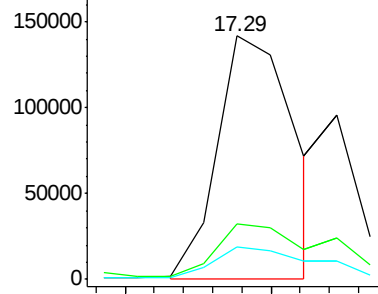
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 8.96 ng m

RT: 17.32 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BF077933.D

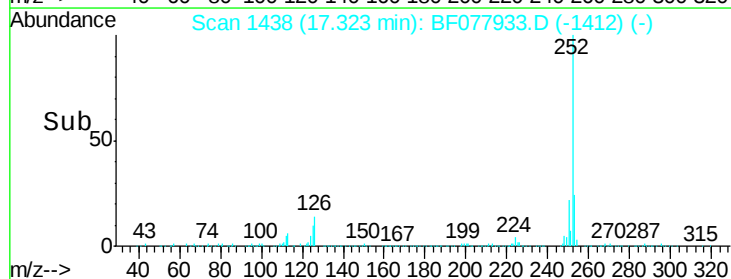
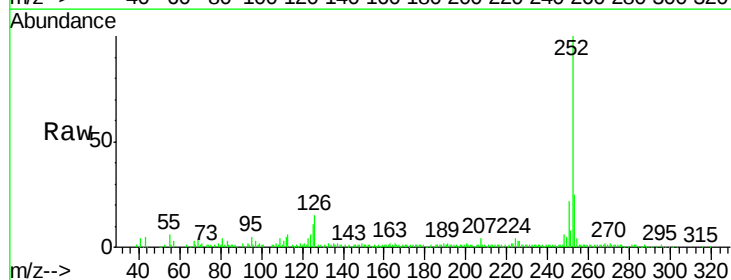
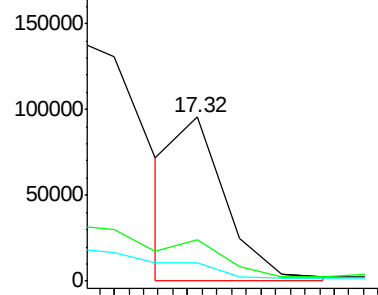
Acq: 25 Mar 2015 3:38

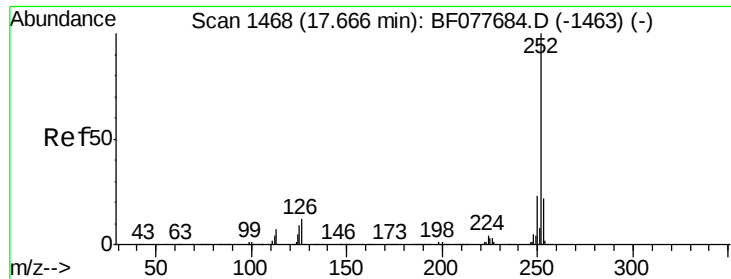
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.2	25.8
125	11.3	8.1	12.1

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





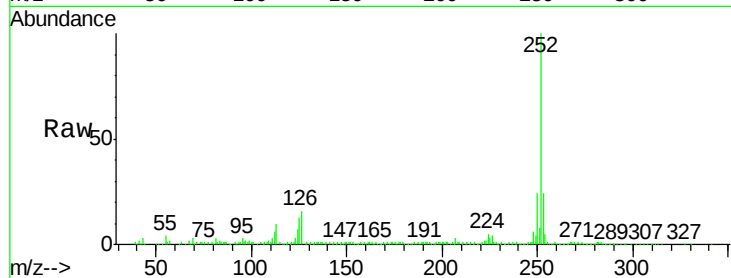
#89
Benzo(a)pyrene
Concen: 18.29 ng
RT: 17.68 min Scan# 1469
Delta R.T. -0.00 min
Lab File: BF077933.D
Acq: 25 Mar 2015 3:38

Instrument :
BNA_F
ClientSampleId :
SB-6-1

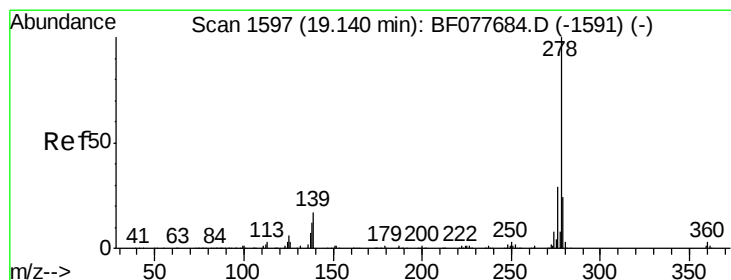
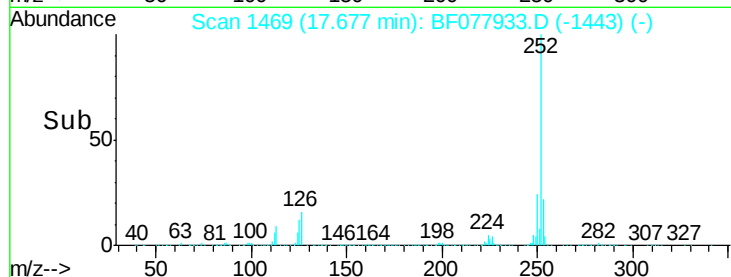
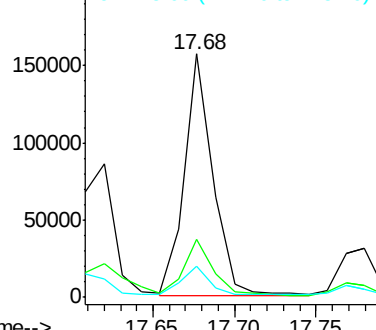
Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.8	17.6	26.4
125	12.7	7.4	11.2#

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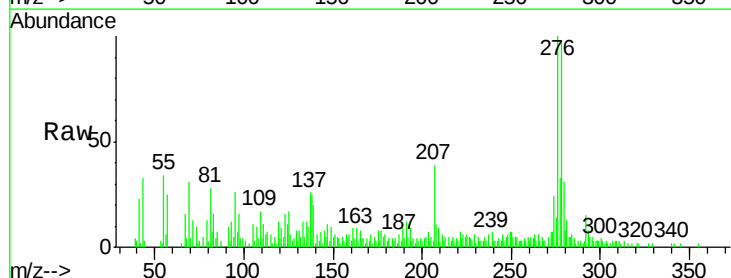


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

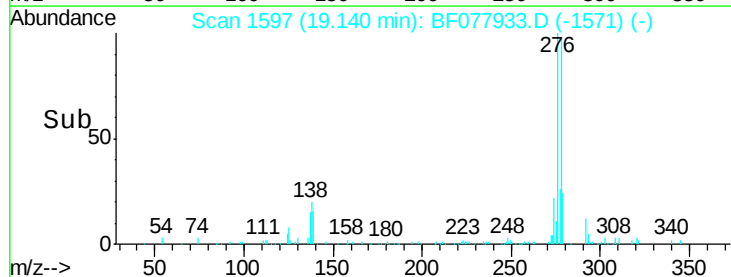
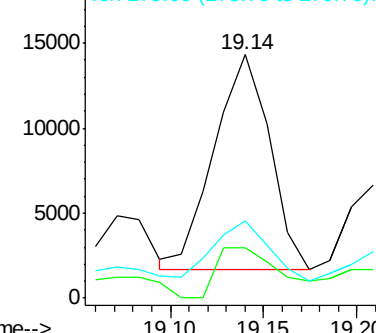


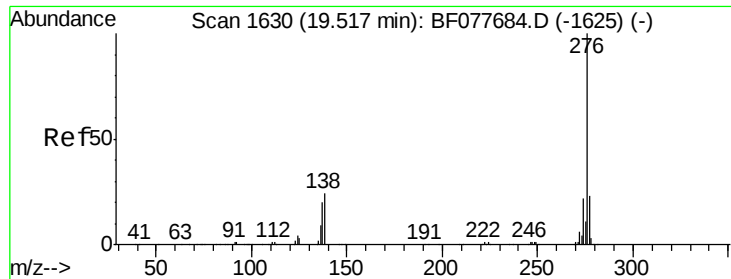
#90
Dibenzo(a,h)anthracene
Concen: 2.52 ng
RT: 19.14 min Scan# 1597
Delta R.T. -0.00 min
Lab File: BF077933.D
Acq: 25 Mar 2015 3:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	20.8	13.4	20.0#
279	31.8	19.0	28.4#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 11.12 ng
 RT: 19.52 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BF077933.D
 Acq: 25 Mar 2015 3:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-6-1

Tgt	Ion	276	Resp:	116890
Ion	Ratio	Lower	Upper	
276	100			
277	25.1	18.5	27.7	
138	27.9	19.0	28.6	

Manual Integrations
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