

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
 Data File : BF077575.D
 Acq On : 4 Mar 2015 6:13
 Operator : TP/IZ
 Sample : G1332-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA-2

Manual Integrations
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mohammad
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Quant Time: Mar 04 08:11:44 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 04:46:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.24	152	94577	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	383224	20.00	ng	0.00
38) Acenaphthene-d10	10.99	164	195288	20.00	ng	0.00
63) Phenanthrene-d10	12.83	188	385553	20.00	ng	0.00
75) Chrysene-d12	16.12	240	416747	20.00	ng	0.00
86) Perylene-d12	17.87	264	412145	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	375226	66.23	ng	0.00
7) Phenol-d6	6.80	99	481943	66.16	ng	0.00
23) Nitrobenzene-d5	7.93	82	287119	46.59	ng	0.00
41) 2,4,6-Tribromophenol	11.97	330	114787	61.04	ng	0.00
44) 2-Fluorobiphenyl	10.16	172	561508	44.83	ng	0.00
78) Terphenyl-d14	14.83	244	685282	38.44	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.84	128	41673	2.17	ng	98
37) 2-Methylnaphthalene	9.70	142	55569	4.08	ng	100
51) Acenaphthene	11.03	154	98764	9.01	ng	98
54) Dibenzofuran	11.24	168	134502	7.95	ng	100
57) Fluorene	11.67	166	95931	7.09	ng	97
70) Phenanthrene	12.86	178	868050	38.85	ng	99
71) Anthracene	12.92	178	199290	8.99	ng	98
72) Carbazole	13.13	167	118750	5.63	ng	99
74) Fluoranthene	14.34	202	839083	34.37	ng	100
77) Pyrene	14.62	202	679113	26.64	ng	# 95
80) Benzo(a)anthracene	16.11	228	398055	16.30	ng	99
82) Chrysene	16.15	228	292901	12.77	ng	97
85) Indeno(1,2,3-cd)pyrene	19.31	276	165884m	6.34	ng	
87) Benzo(b)fluoranthene	17.43	252	406324m	16.95	ng	
88) Benzo(k)fluoranthene	17.45	252	133482m	5.68	ng	
89) Benzo(a)pyrene	17.80	252	287686	12.60	ng	98
91) Benzo(g,h,i)perylene	19.73	276	145639	6.63	ng	96

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

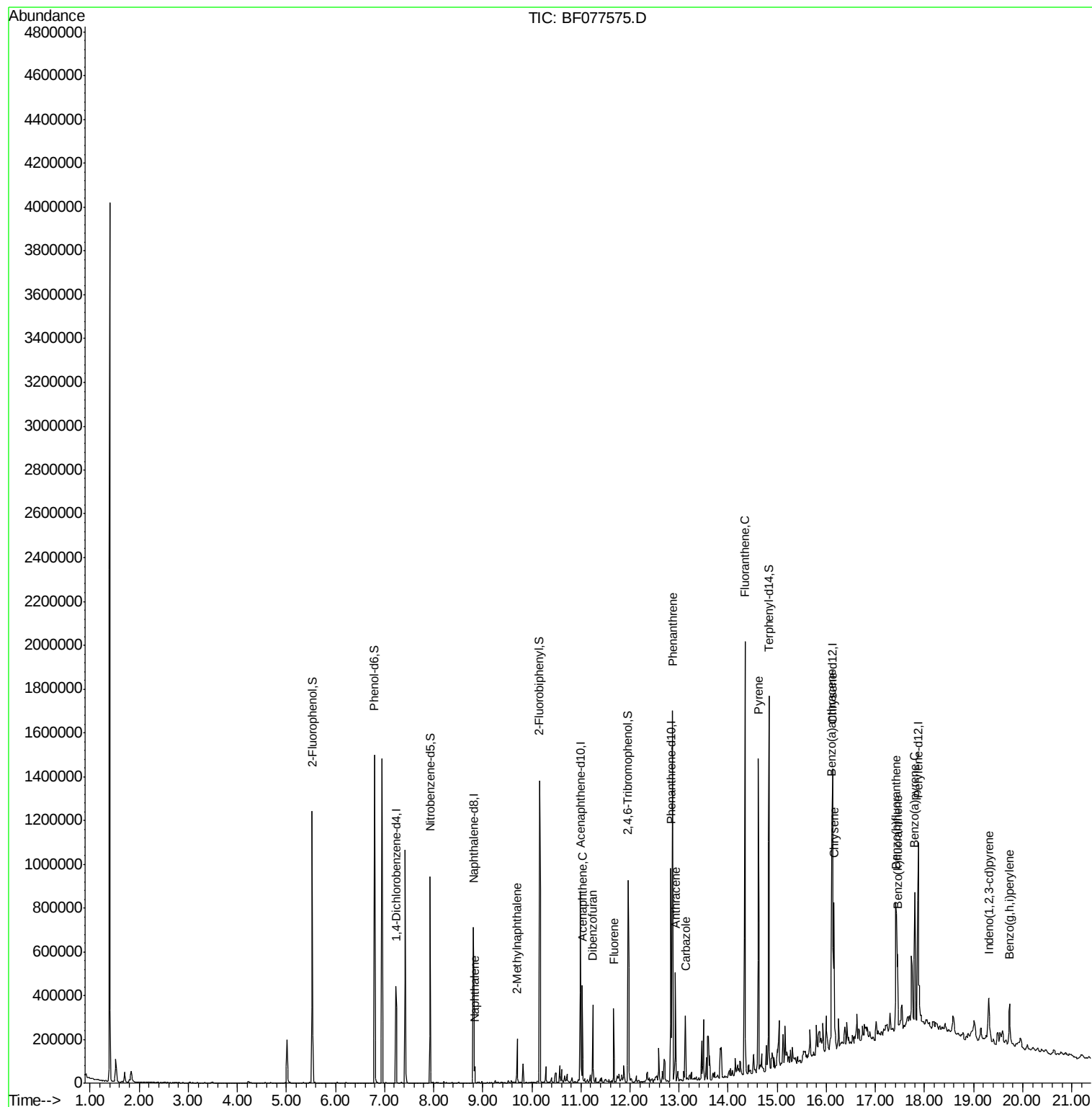
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

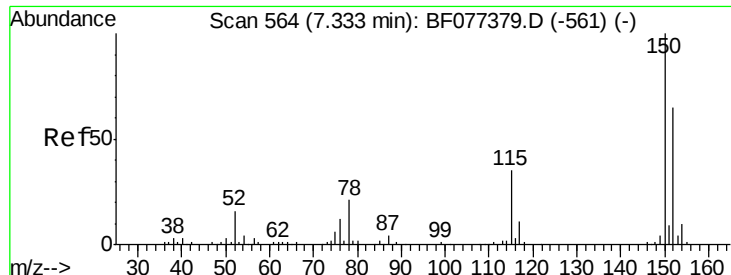
Instrument :
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SA-2

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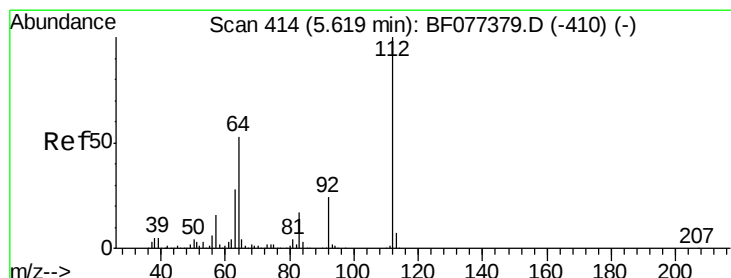
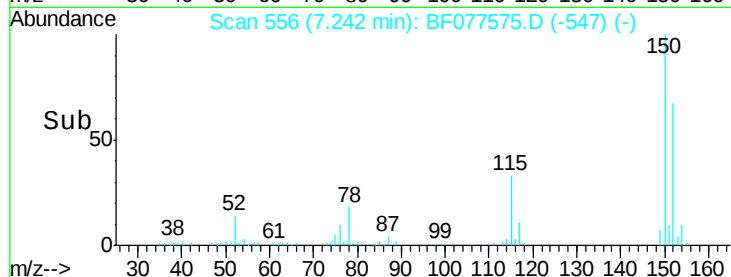
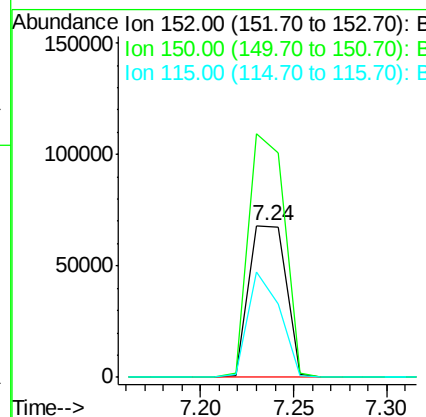
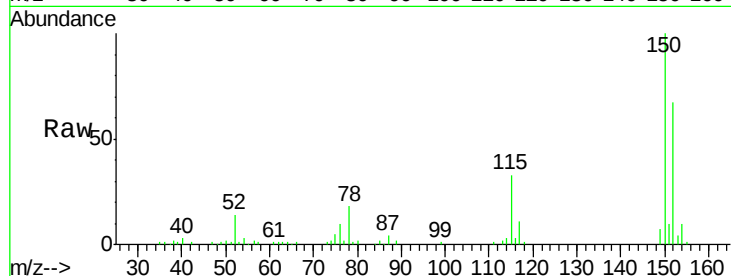
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.24 min Scan# 556
Delta R.T. -0.00 min
Lab File: BF077575.D
Acq: 4 Mar 2015 6:13

Instrument :
BNA_F
ClientSampled :
SA-2

Tgt Ion	Ratio	Lower	Upper
152	100		
150	148.7	124.0	186.0
115	48.7	49.4	74.2#

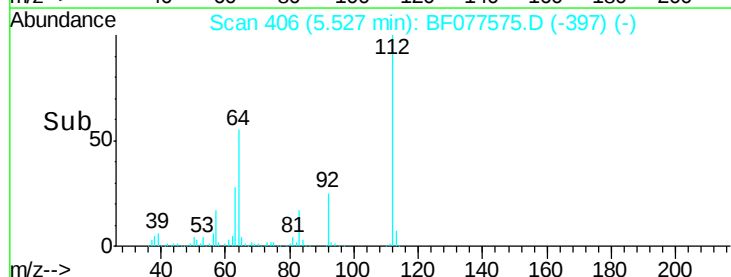
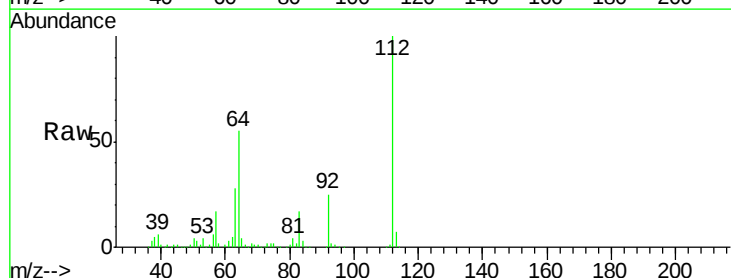
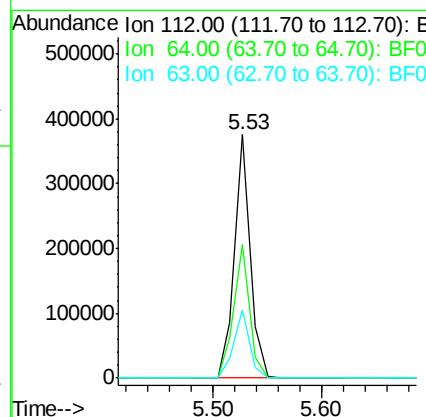
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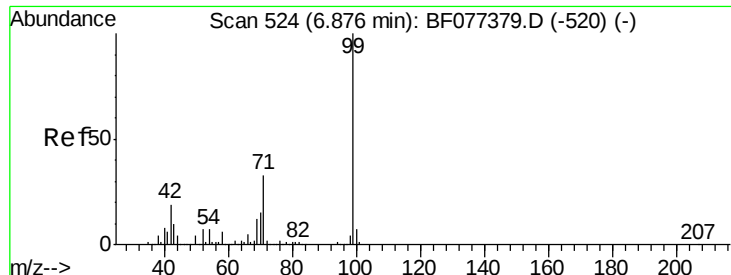
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#5
2-Fluorophenol
Concen: 66.23 ng
RT: 5.53 min Scan# 406
Delta R.T. 0.00 min
Lab File: BF077575.D
Acq: 4 Mar 2015 6:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	48.5	72.7
63	28.0	25.0	37.4





#7

Phenol-d6

Concen: 66.16 ng

RT: 6.80 min Scan# 517

Delta R.T. -0.00 min

Lab File: BF077575.D

Acq: 4 Mar 2015 6:13

Instrument :

BNA_F

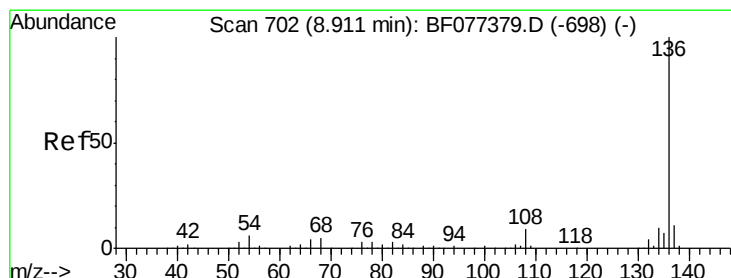
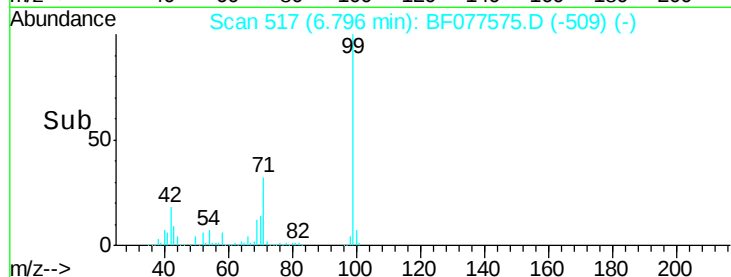
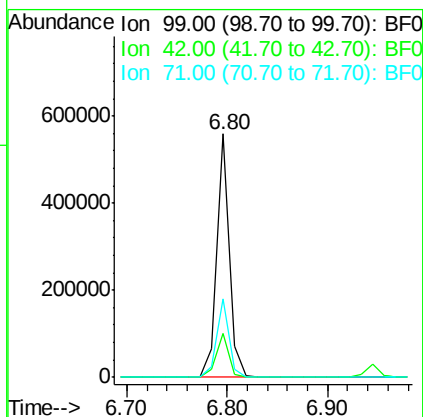
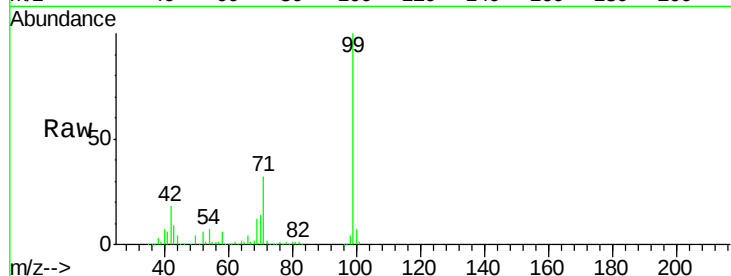
ClientSampleId :

SA-2

Tgt Ion:	99	Resp:	481943
Ion Ratio	Lower	Upper	
99	100		
42	18.1	16.2	24.4
71	32.5	26.7	40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

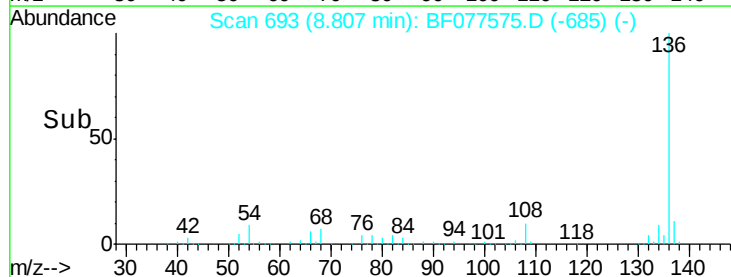
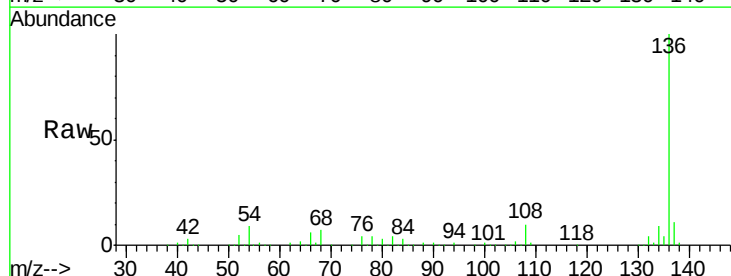
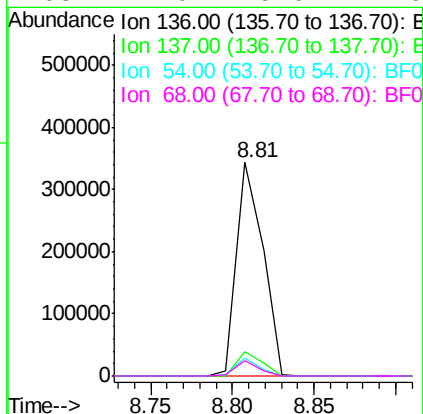
RT: 8.81 min Scan# 693

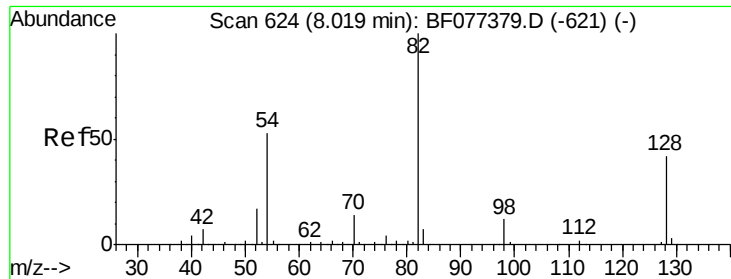
Delta R.T. -0.00 min

Lab File: BF077575.D

Acq: 4 Mar 2015 6:13

Tgt Ion:	136	Resp:	383224
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.6	13.0
54	8.7	6.2	9.4
68	7.0	5.0	7.6





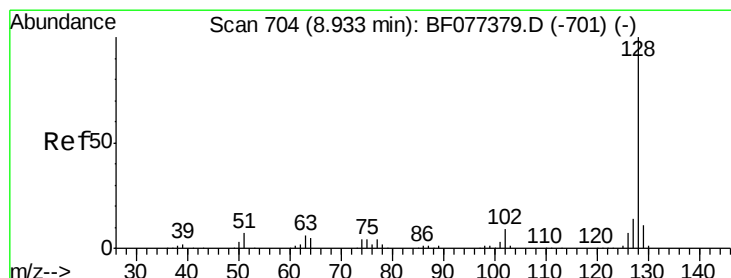
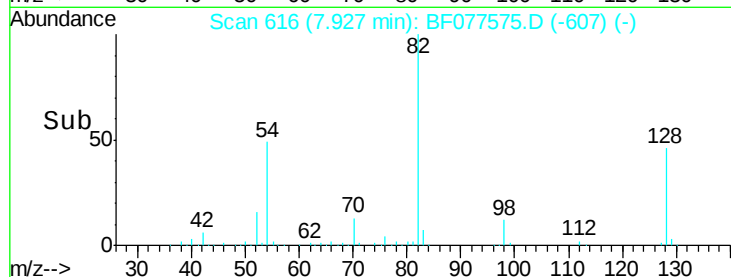
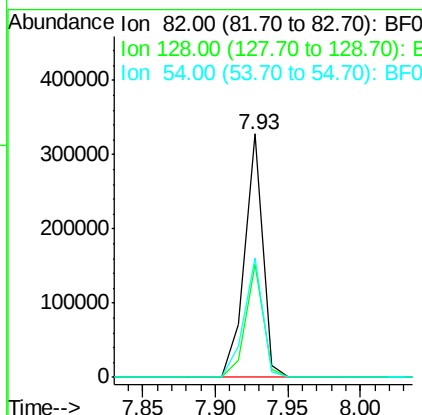
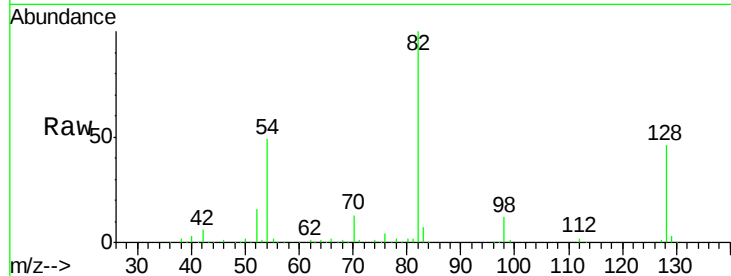
#23
 Nitrobenzene-d5
 Concen: 46.59 ng
 RT: 7.93 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: BF077575.D
 Acq: 4 Mar 2015 6:13

Instrument :
 BNA_F
 ClientSampleId :
 SA-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	46.2	43.8	65.8
54	49.0	36.7	55.1

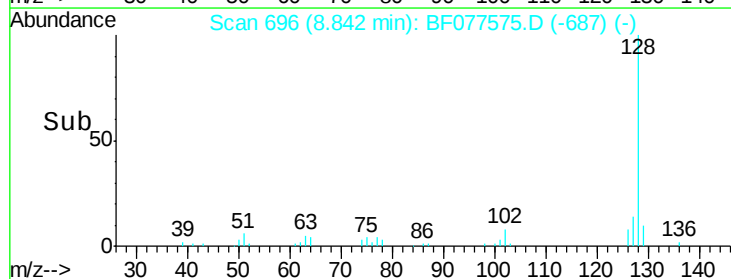
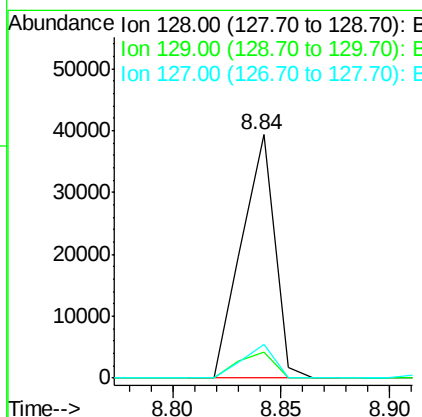
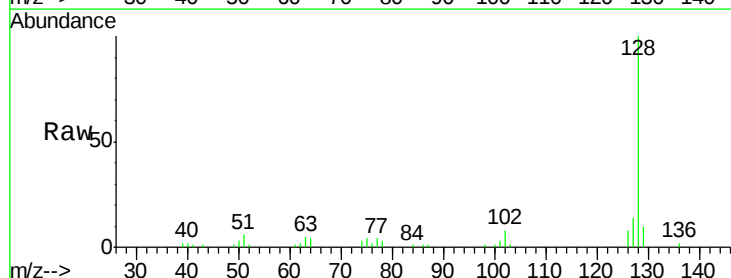
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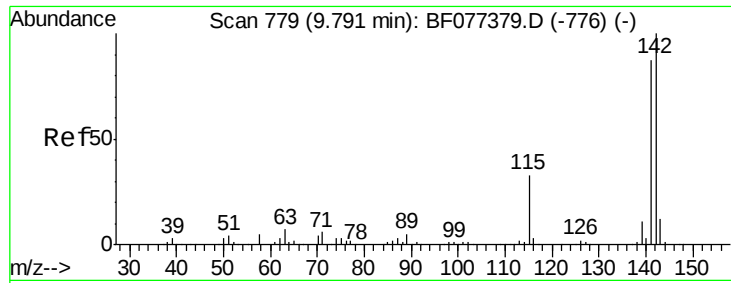
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#31
 Naphthalene
 Concen: 2.17 ng
 RT: 8.84 min Scan# 696
 Delta R.T. -0.00 min
 Lab File: BF077575.D
 Acq: 4 Mar 2015 6:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	10.5	9.4	14.0
127	13.6	10.6	15.8





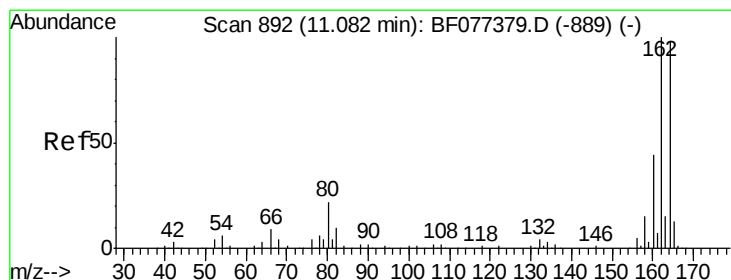
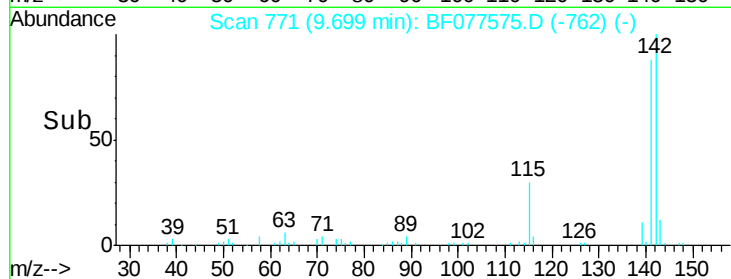
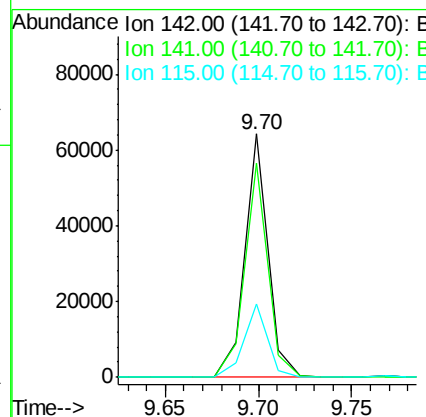
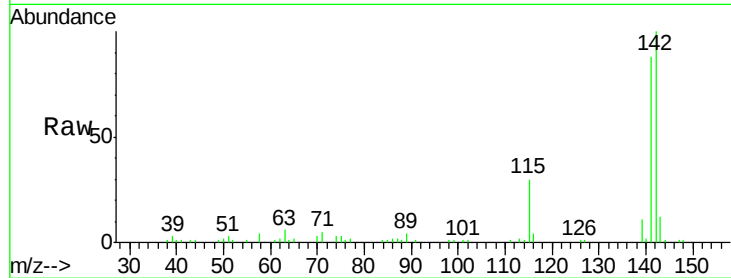
#37
2-Methylnaphthalene
Concen: 4.08 ng
RT: 9.70 min Scan# 771
Delta R.T. -0.00 min
Lab File: BF077575.D
Acq: 4 Mar 2015 6:13

Instrument :
BNA_F
ClientSampleId :
SA-2

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	55569		
141	87.9	70.7	106.1	
115	30.3	24.2	36.4	

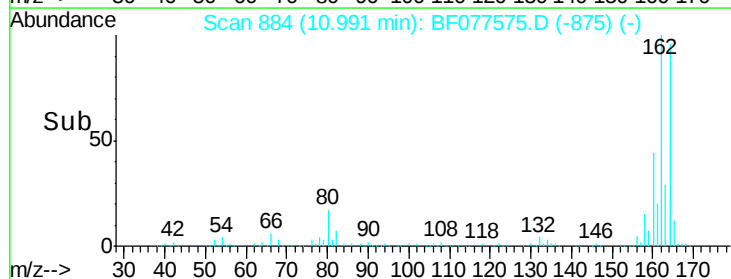
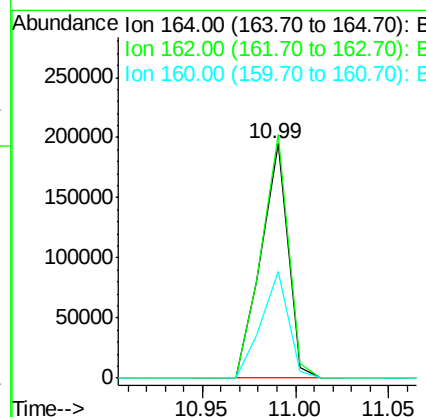
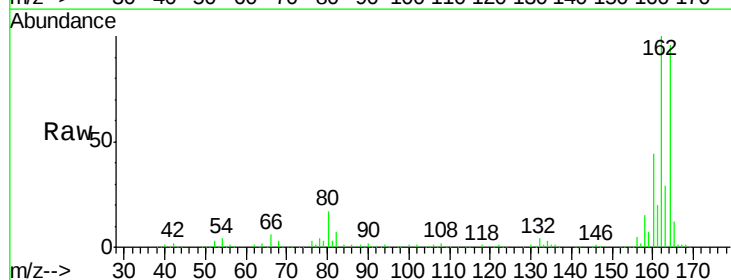
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF077575.D
Acq: 4 Mar 2015 6:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	195288		
162	103.9	83.2	124.8	
160	45.6	34.6	52.0	





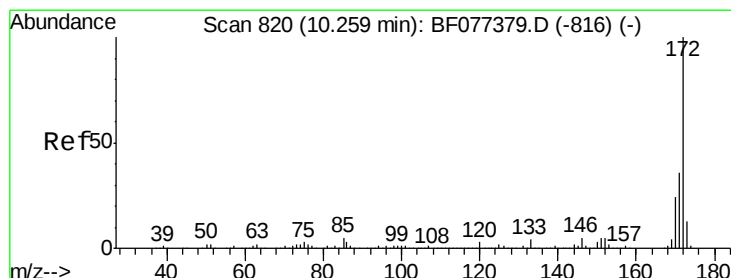
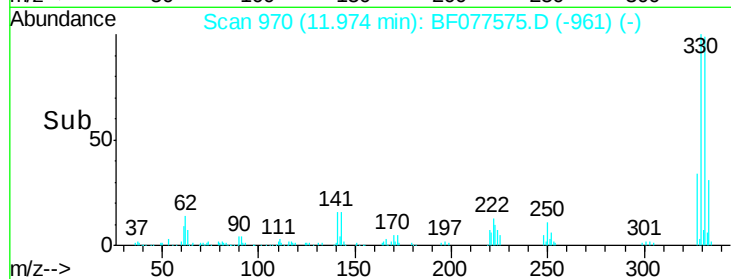
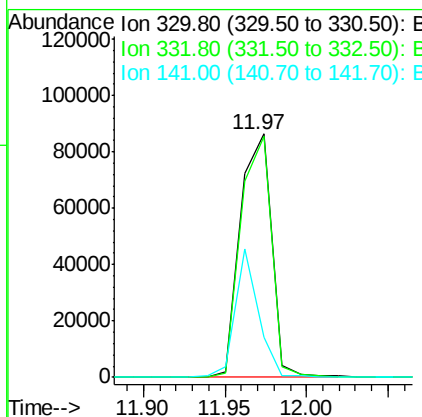
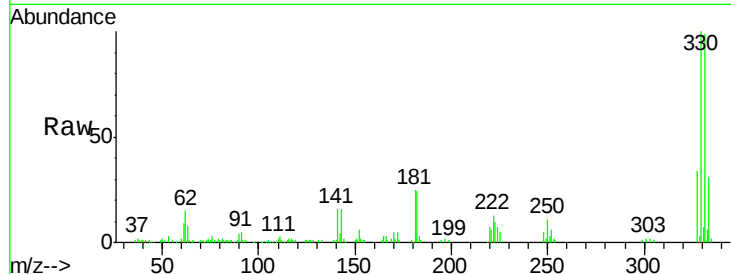
#41
 2,4,6-Tribromophenol
 Concen: 61.04 ng
 RT: 11.97 min Scan# 970
 Delta R.T. -0.00 min
 Lab File: BF077575.D
 Acq: 4 Mar 2015 6:13

Instrument :
 BNA_F
 ClientSampled :
 SA-2

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	114787		
332	97.0	77.4	116.2	
141	39.1	28.8	43.2	

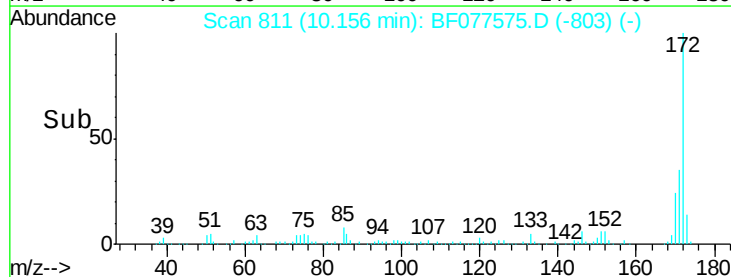
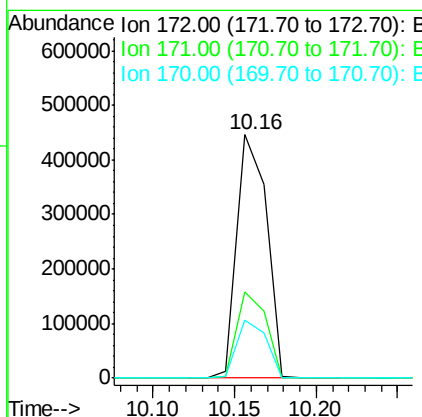
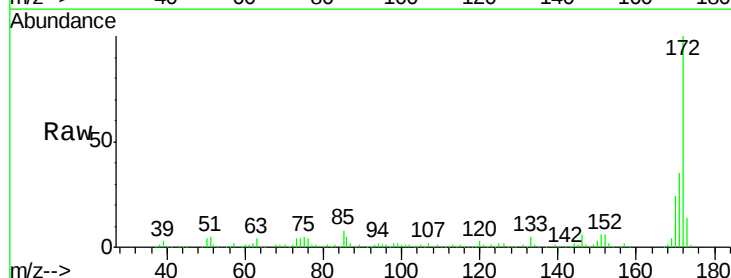
Manual Integrations
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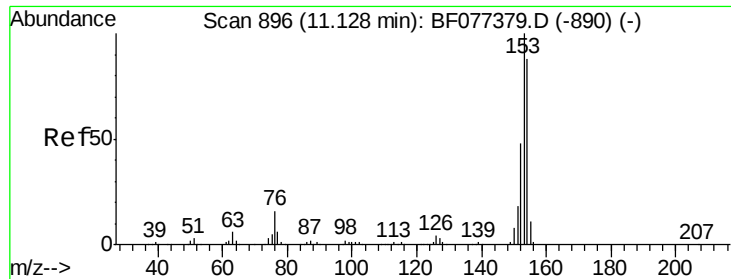
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#44
 2-Fluorobiphenyl
 Concen: 44.83 ng
 RT: 10.16 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: BF077575.D
 Acq: 4 Mar 2015 6:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	561508		
171	35.4	28.9	43.3	
170	23.6	19.4	29.2	





#51

Acenaphthene

Concen: 9.01 ng

RT: 11.03 min Scan# 887

Delta R.T. -0.00 min

Lab File: BF077575.D

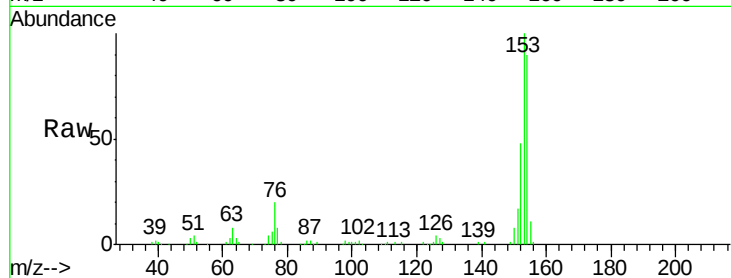
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Instrument :

BNA_F

ClientSampleId :

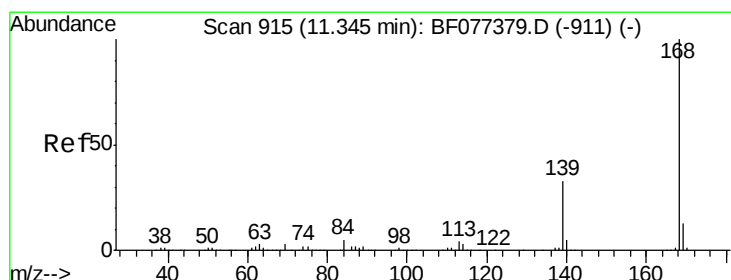
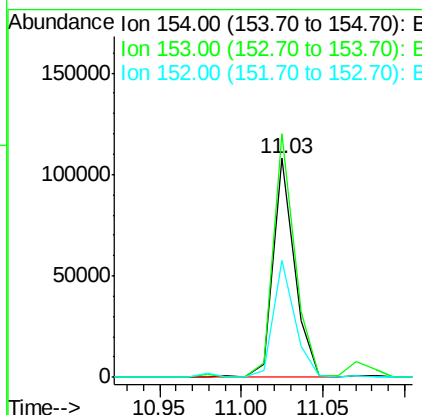
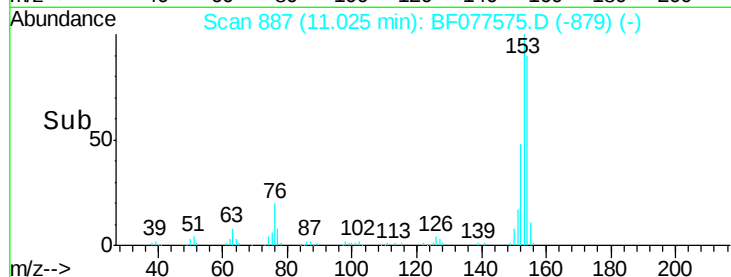
SA-2



Tgt Ion:	154	Resp:	98764
Ion Ratio	Lower	Upper	
154	100		
153	111.2	90.5	135.7
152	53.5	43.5	65.3

Manual Integrations
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#54

Dibenzofuran

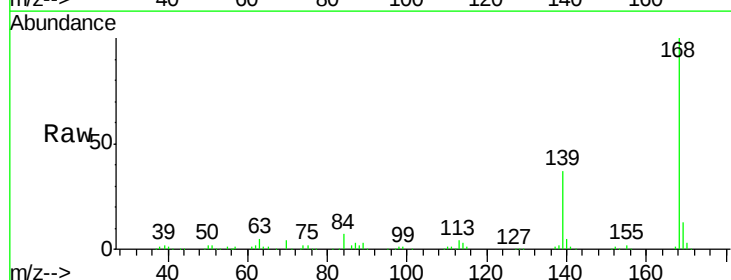
Concen: 7.95 ng

RT: 11.24 min Scan# 906

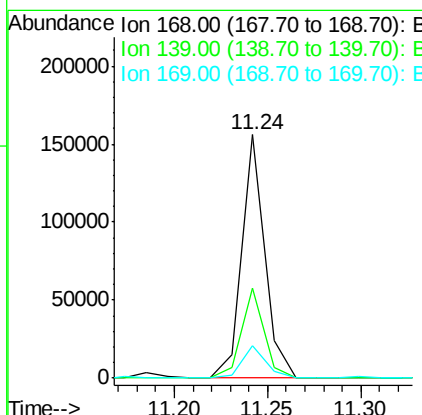
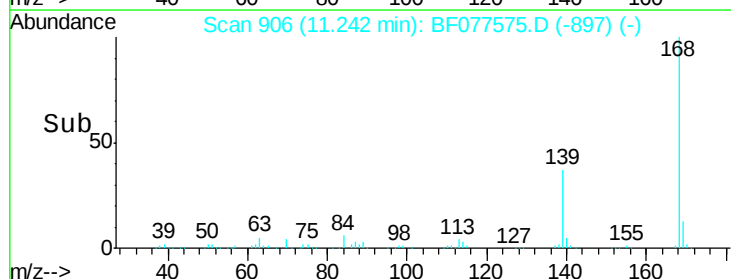
Delta R.T. -0.00 min

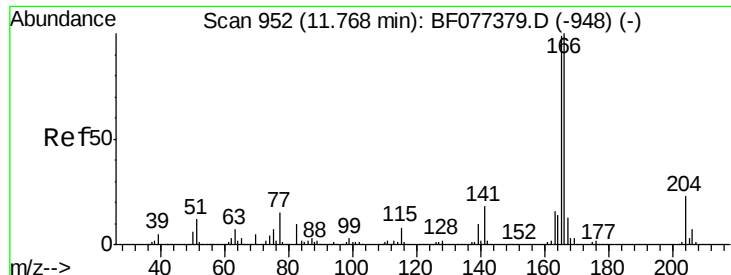
Lab File: BF077575.D

Acq: 4 Mar 2015 6:13



Tgt Ion:	168	Resp:	134502
Ion Ratio	Lower	Upper	
168	100		
139	36.8	29.3	43.9
169	13.4	10.9	16.3





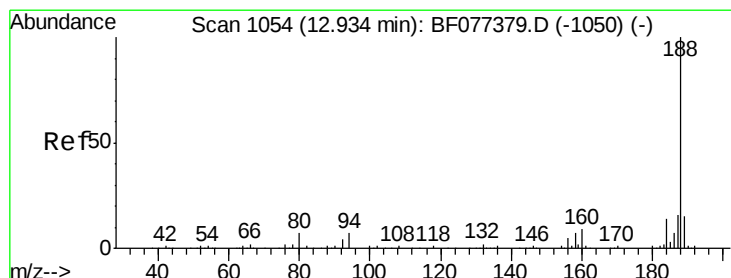
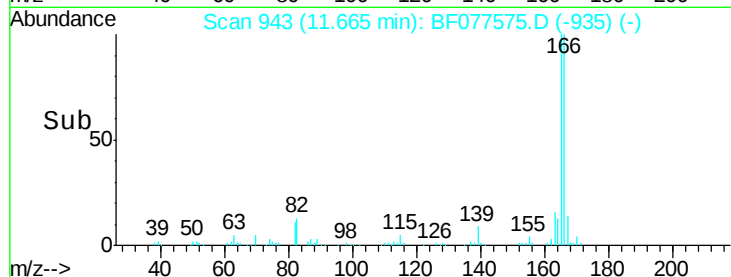
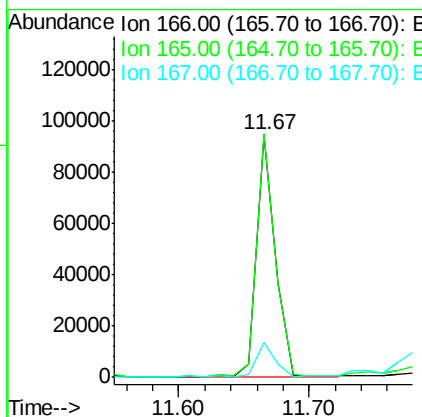
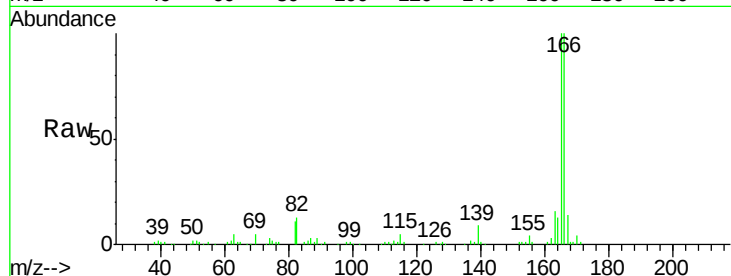
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Fluorene
 Concen: 7.09 ng
 RT: 11.67 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: BF077575.D
 Acq: 4 Mar 2015 6:13

Instrument :
 BNA_F
 ClientSampleId :
 SA-2

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.4	77.6	116.4
167	14.4	10.6	16.0

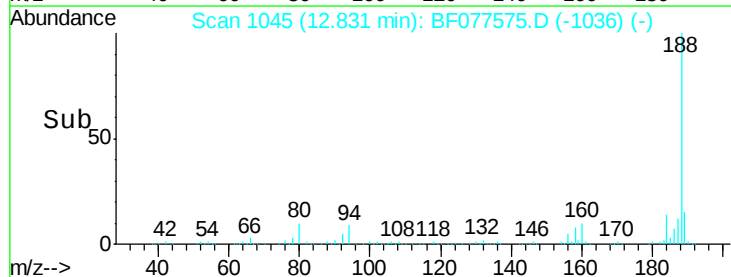
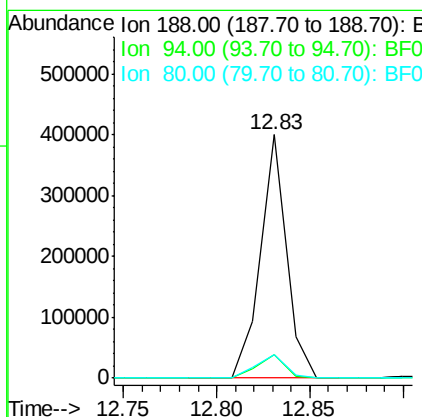
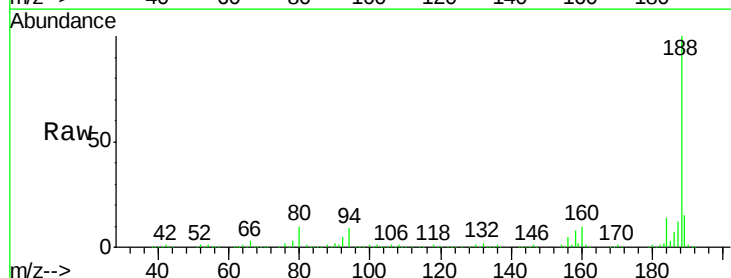
Manual Integrations
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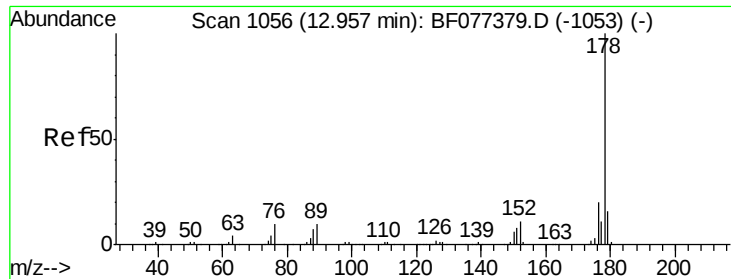
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.83 min Scan# 1045
 Delta R.T. 0.00 min
 Lab File: BF077575.D
 Acq: 4 Mar 2015 6:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.4	11.2
80	9.8	8.0	12.0





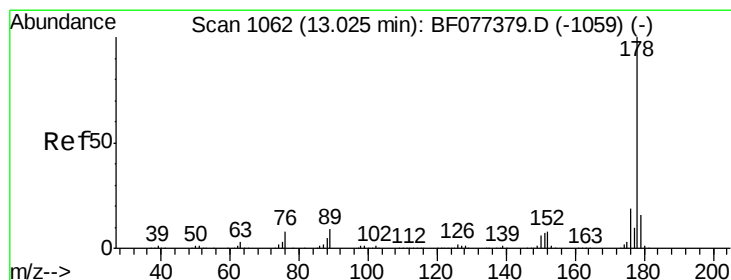
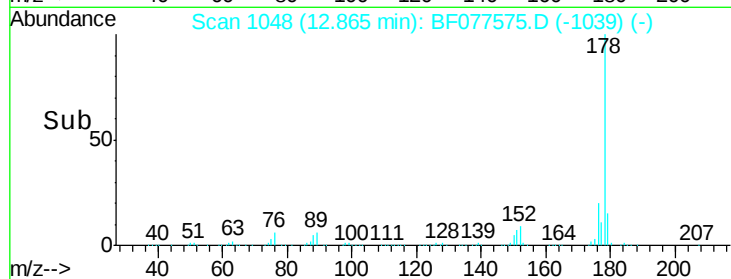
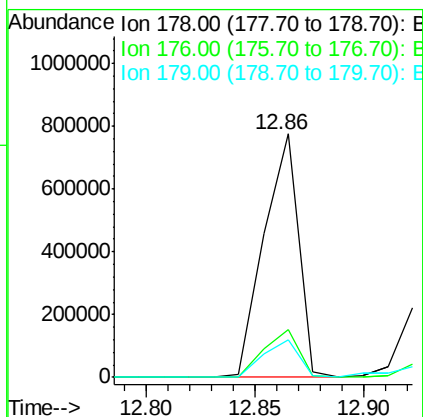
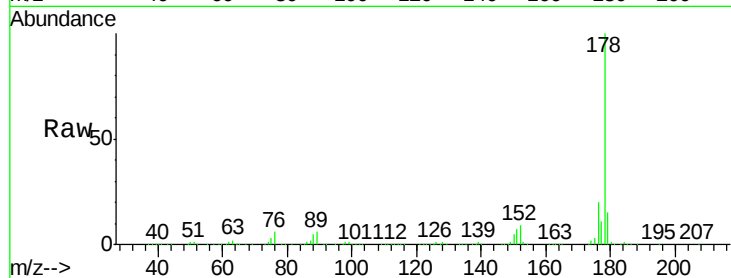
#70
Phenanthrene
Concen: 38.85 ng
RT: 12.86 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF077575.D
Acq: 4 Mar 2015 6:13

Instrument :
BNA_F
ClientSampled :
SA-2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.5	23.3
179	15.3	12.2	18.2

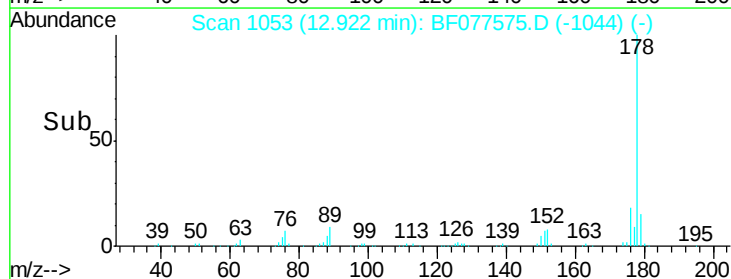
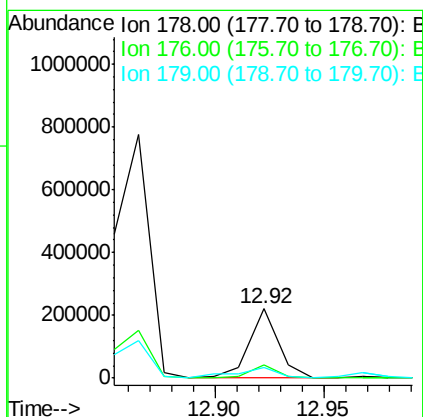
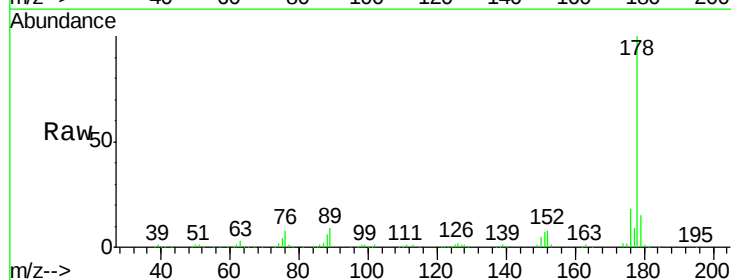
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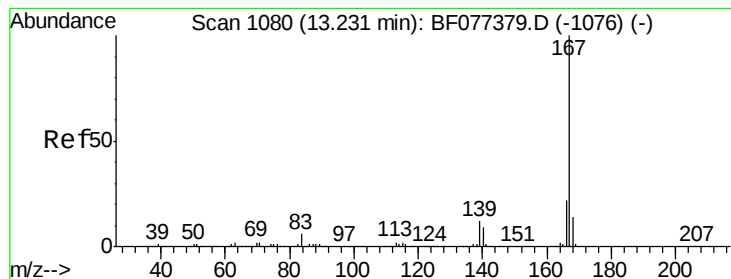
mohammad
3/4/2015 4:42:35 PM



#71
Anthracene
Concen: 8.99 ng
RT: 12.92 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BF077575.D
Acq: 4 Mar 2015 6:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.0
179	15.1	12.9	19.3





#72

Carbazole

Concen: 5.63 ng

RT: 13.13 min Scan# 1071

Delta R.T. -0.00 min

Lab File: BF077575.D

Acq: 4 Mar 2015 6:13

Instrument :

BNA_F

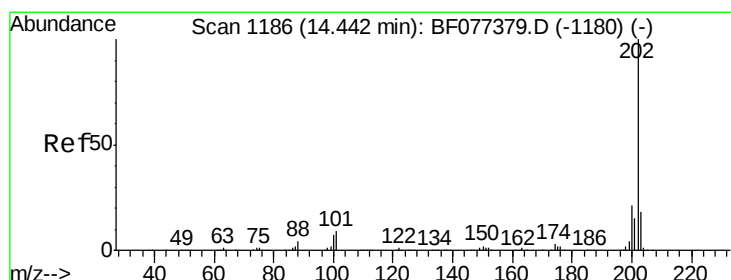
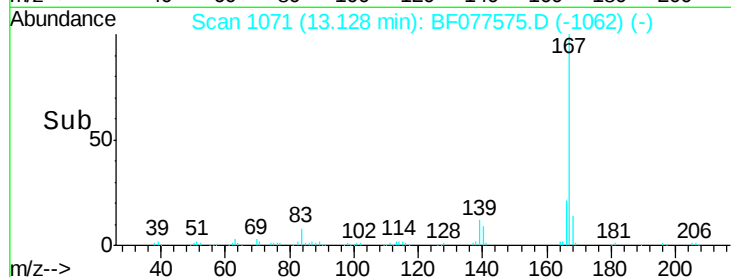
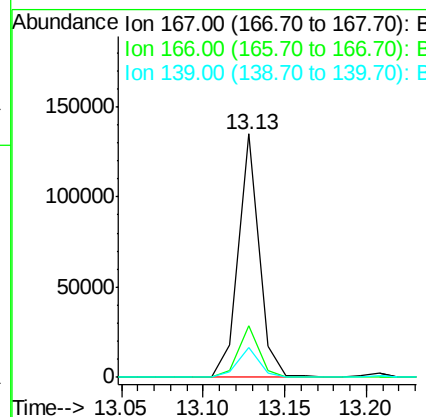
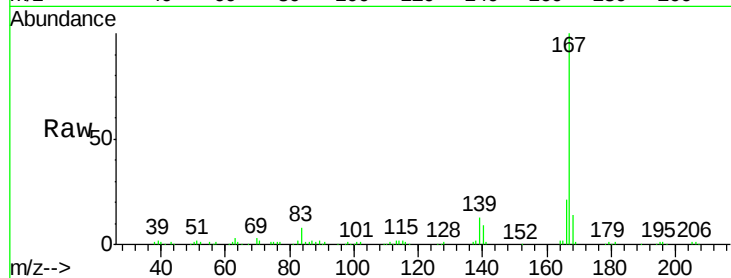
ClientSampleId :

SA-2

Tgt Ion:	167	Resp:	118750
Ion Ratio		Lower	Upper
167	100		
166	21.1	17.6	26.4
139	12.5	9.9	14.9

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#74

Fluoranthene

Concen: 34.37 ng

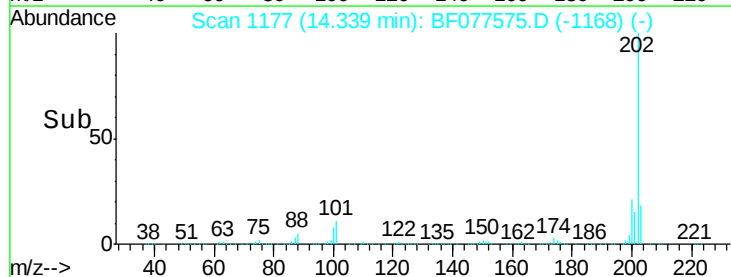
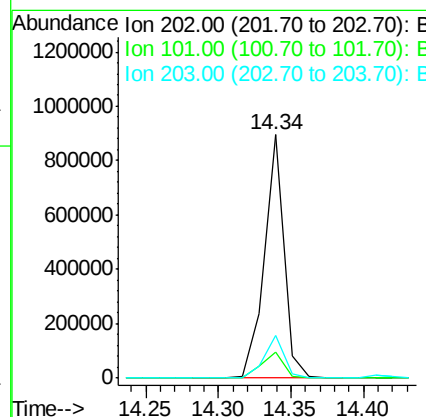
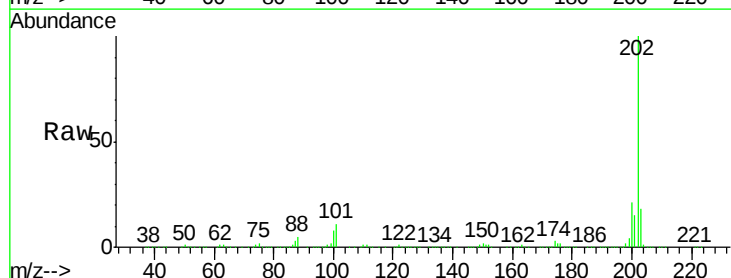
RT: 14.34 min Scan# 1177

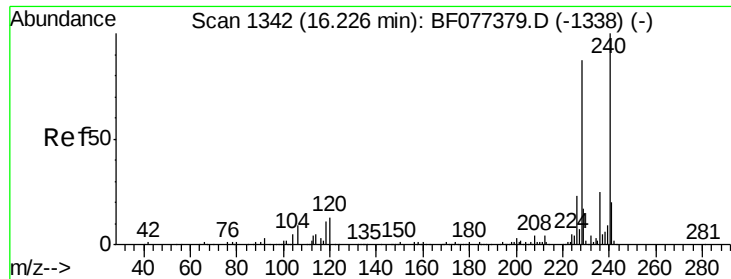
Delta R.T. 0.00 min

Lab File: BF077575.D

Acq: 4 Mar 2015 6:13

Tgt Ion:	202	Resp:	839083
Ion Ratio		Lower	Upper
202	100		
101	10.5	0.0	30.8
203	17.7	0.0	37.7





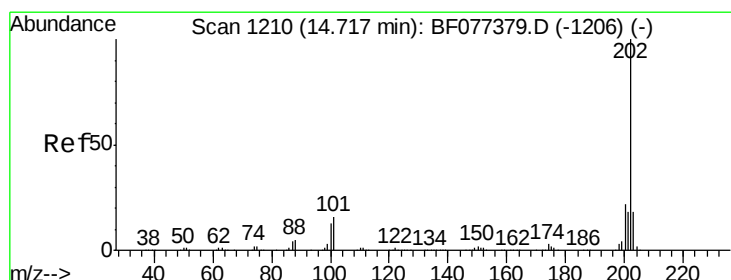
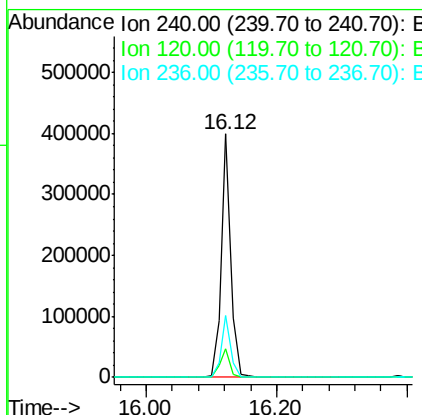
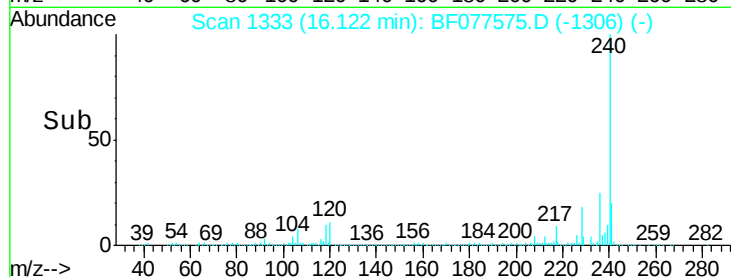
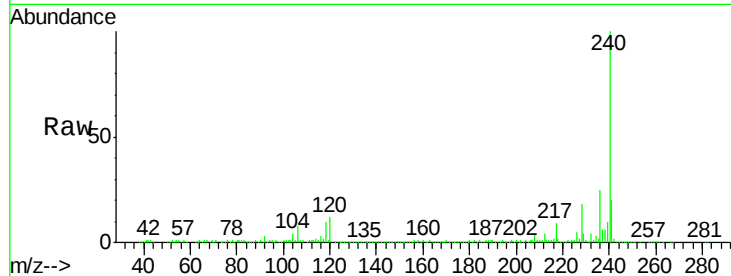
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.12 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BF077575.D
Acq: 4 Mar 2015 6:13

Instrument :
BNA_F
ClientSampleId :
SA-2

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	416747		
120	11.5	8.8	13.2	
236	25.5	20.7	31.1	

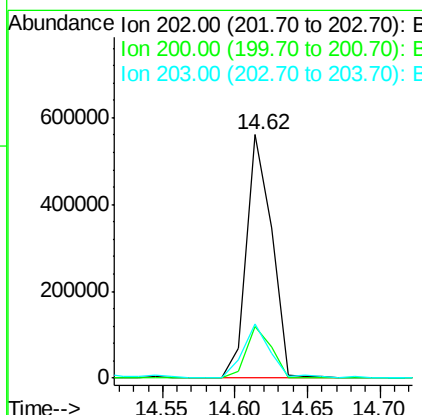
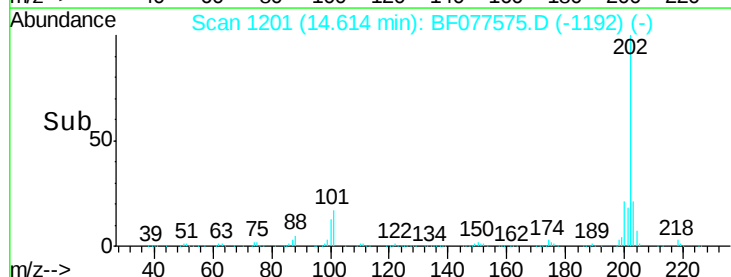
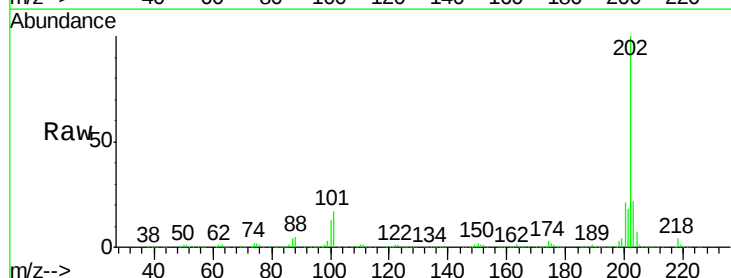
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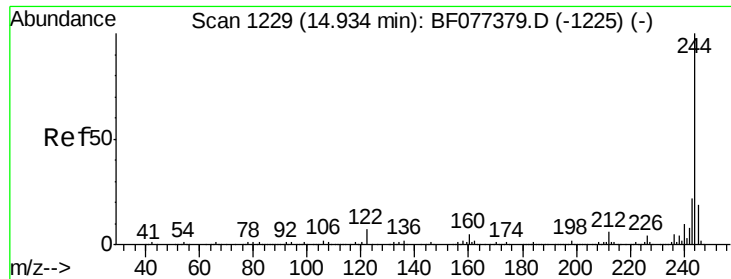
mohammad
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#77
Pyrene
Concen: 26.64 ng
RT: 14.62 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BF077575.D
Acq: 4 Mar 2015 6:13

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	679113		
200	21.4	17.1	25.7	
203	22.3	14.2	21.2#	





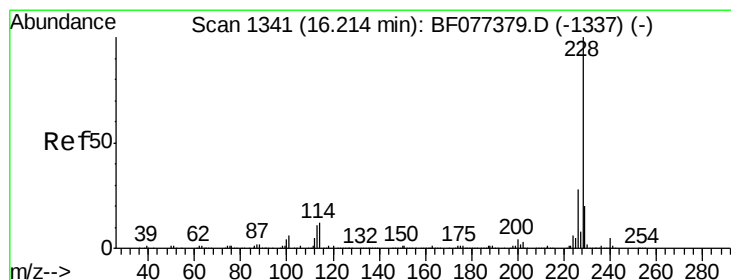
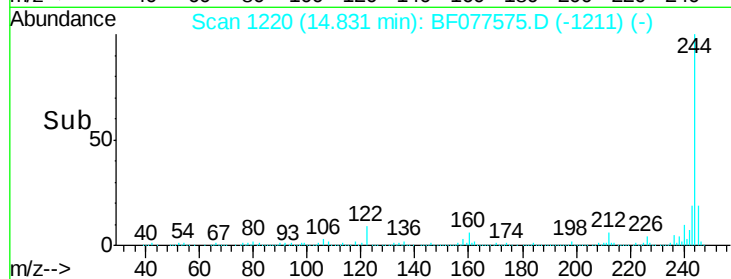
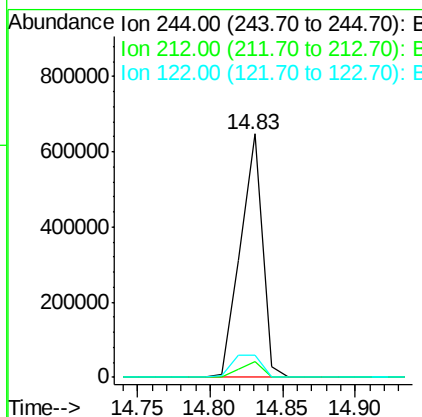
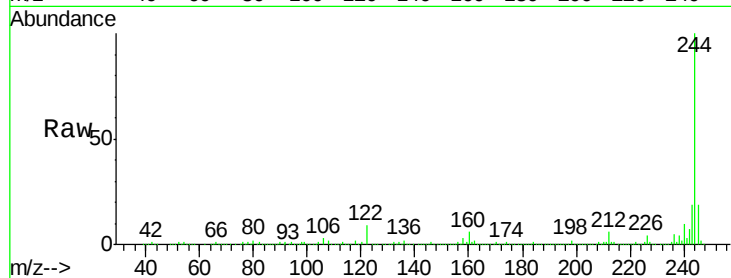
#78
 Terphenyl-d14
 Concen: 38.44 ng
 RT: 14.83 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: BF077575.D
 Acq: 4 Mar 2015 6:13

Instrument :
 BNA_F
 ClientSampleId :
 SA-2

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.4	5.2	7.8
122	9.0	7.8	11.8

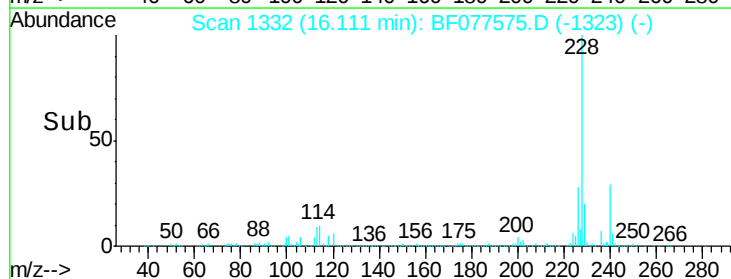
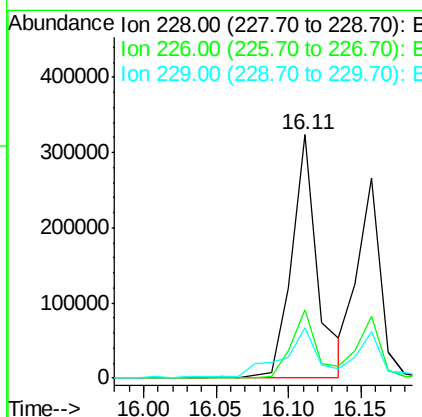
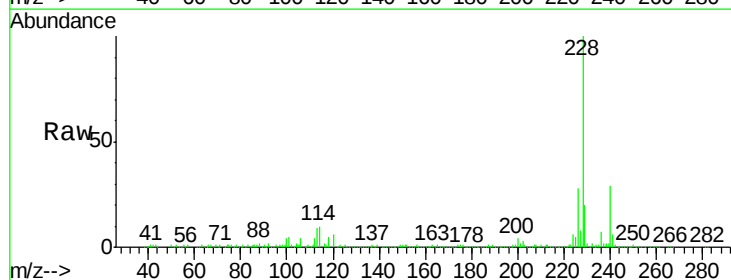
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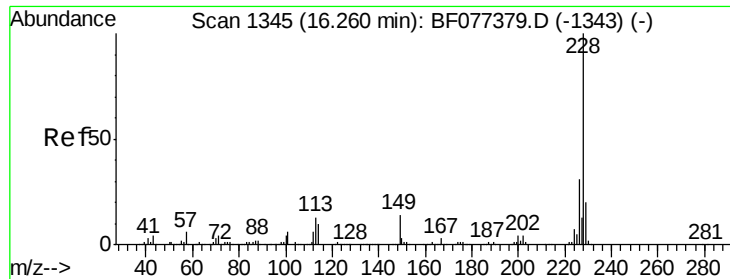
mohammad
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#80
 Benzo(a)anthracene
 Concen: 16.30 ng
 RT: 16.11 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: BF077575.D
 Acq: 4 Mar 2015 6:13

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	28.0	22.0	33.0
229	20.5	15.8	23.8





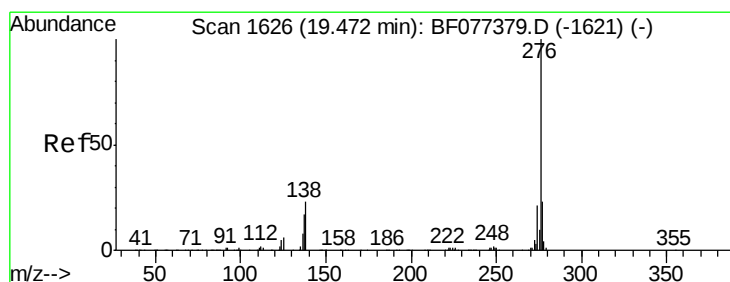
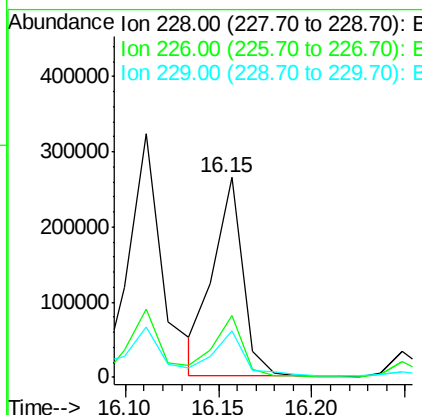
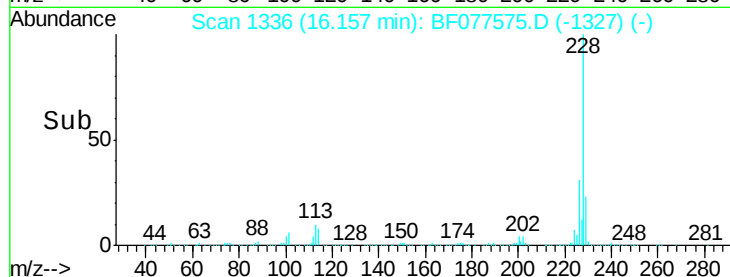
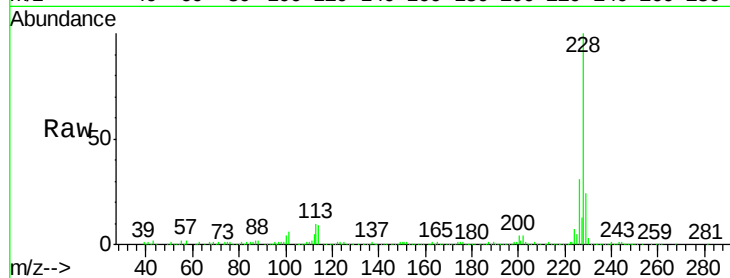
#82
Chrysene
Concen: 12.77 ng
RT: 16.15 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BF077575.D
Acq: 4 Mar 2015 6:13

Instrument :
BNA_F
ClientSampleId :
SA-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.0	24.9	37.3
229	23.5	16.4	24.6

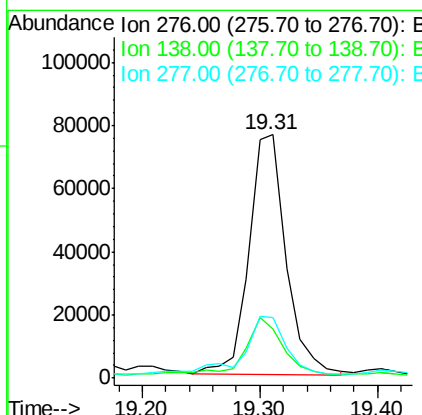
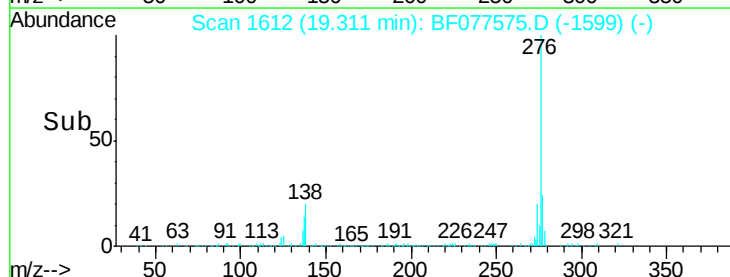
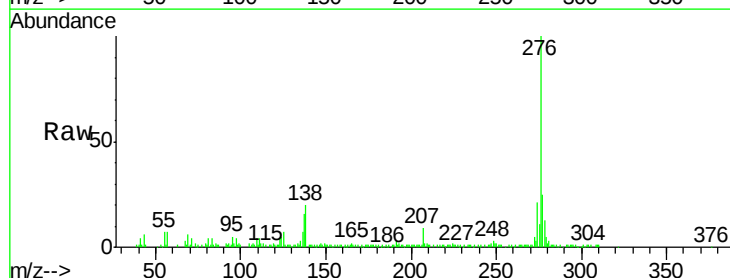
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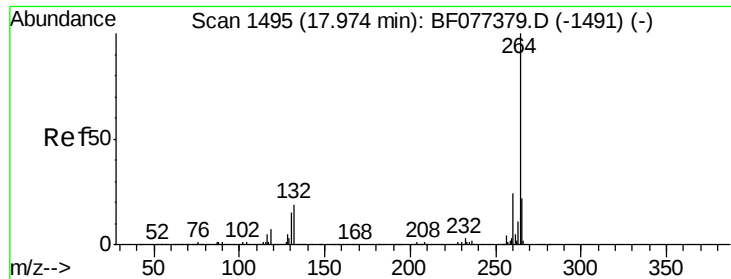
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.34 ng m
RT: 19.31 min Scan# 1612
Delta R.T. 0.05 min
Lab File: BF077575.D
Acq: 4 Mar 2015 6:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	21.3	21.2	31.8
277	25.0	20.0	30.0





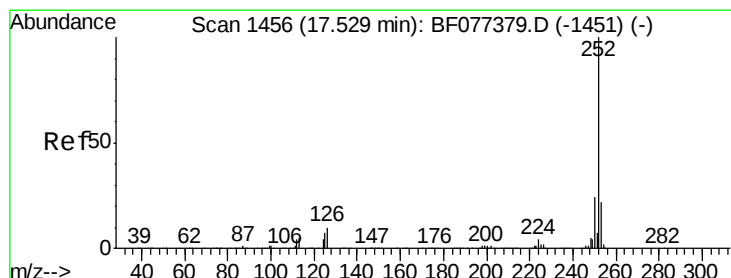
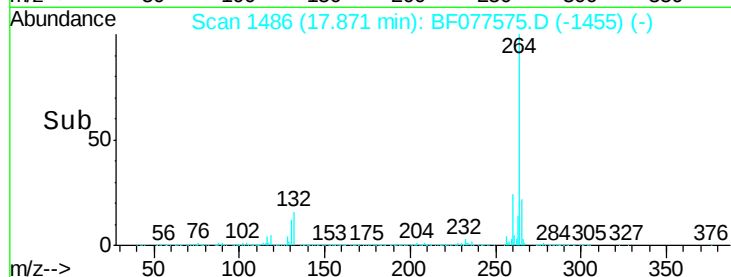
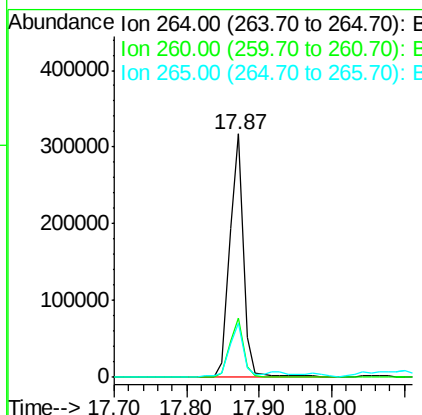
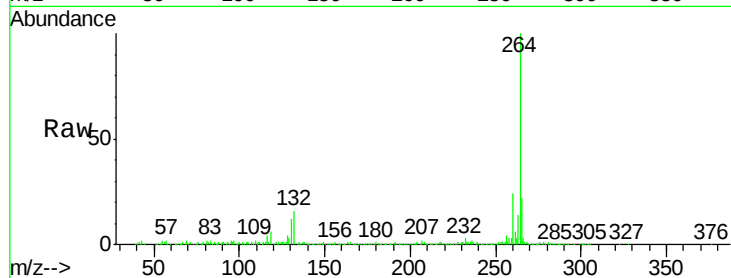
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.87 min Scan# 1486
Delta R.T. 0.05 min
Lab File: BF077575.D
Acq: 4 Mar 2015 6:13

Instrument :
BNA_F
ClientSampleId :
SA-2

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	412145		
260	24.2	19.3	28.9	
265	22.5	16.8	25.2	

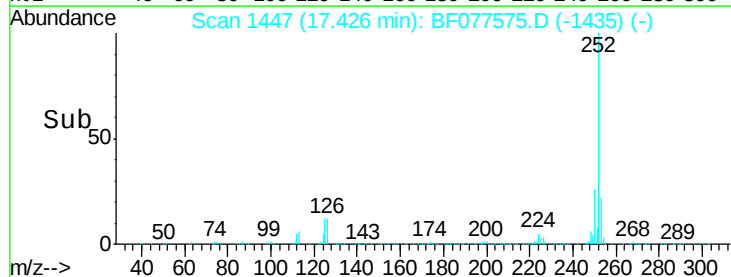
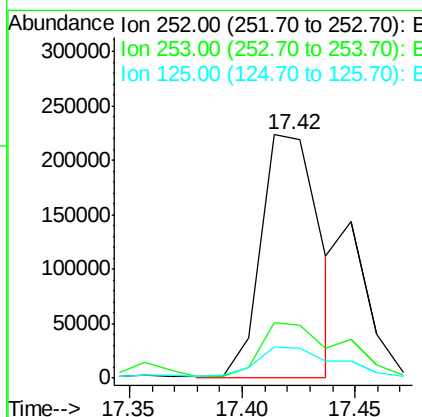
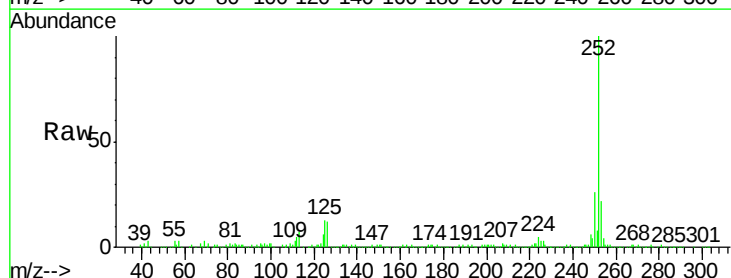
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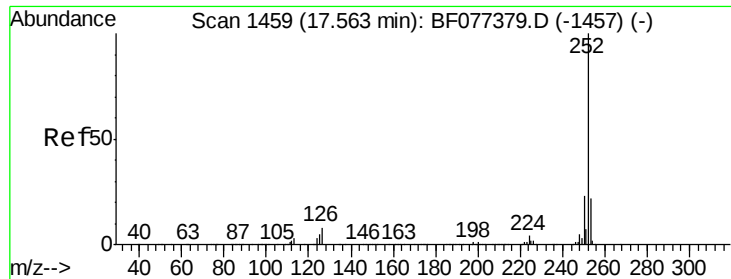
mohammad
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#87
Benzo(b)fluoranthene
Concen: 16.95 ng m
RT: 17.43 min Scan# 1447
Delta R.T. 0.04 min
Lab File: BF077575.D
Acq: 4 Mar 2015 6:13

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	406324		
253	22.1	17.6	26.4	
125	12.7	5.4	8.2#	





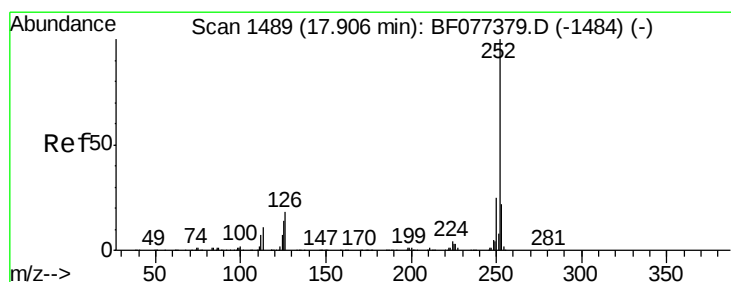
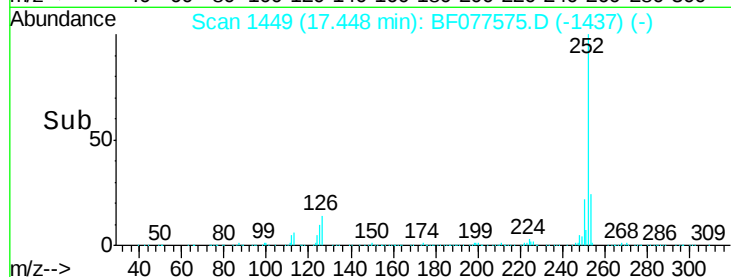
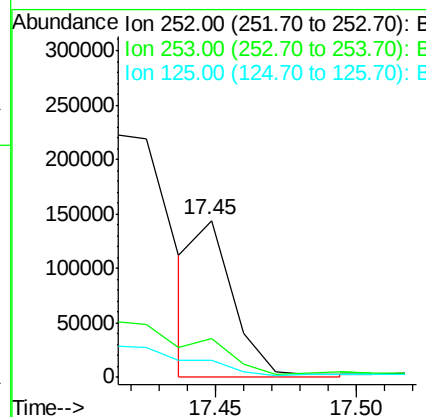
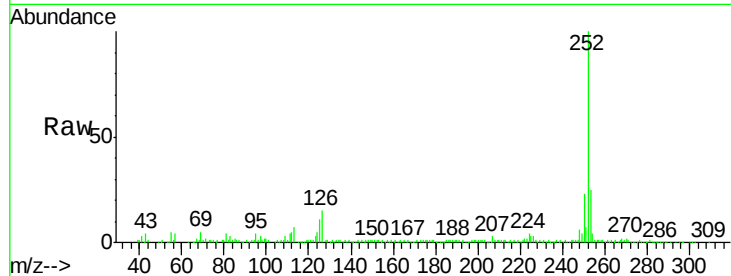
#88
Benzo(k)fluoranthene
Concen: 5.68 ng m
RT: 17.45 min Scan# 1449
Delta R.T. 0.03 min
Lab File: BF077575.D
Acq: 4 Mar 2015 6:13

Instrument :
BNA_F
ClientSampled :
SA-2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.1	27.1
125	11.2	10.1	15.1

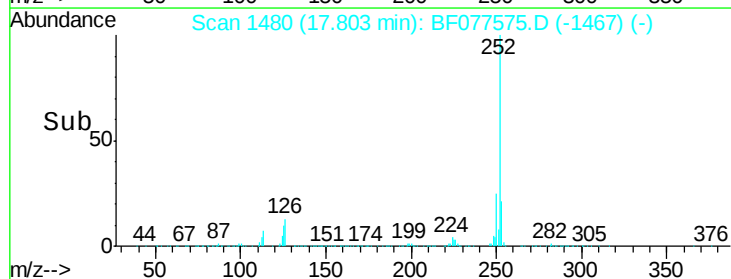
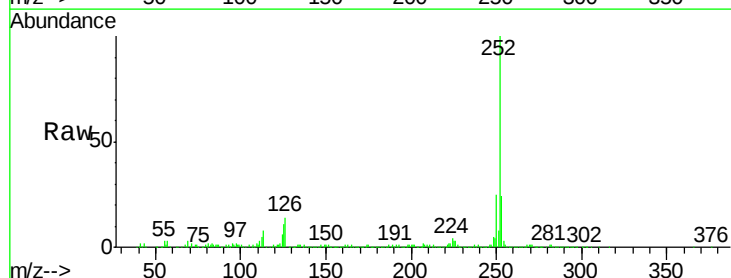
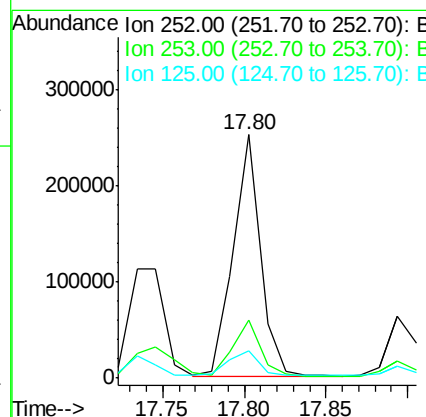
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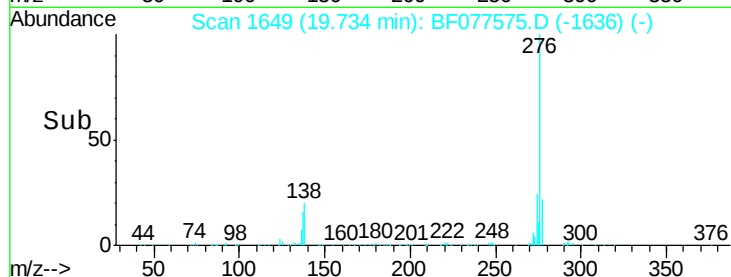
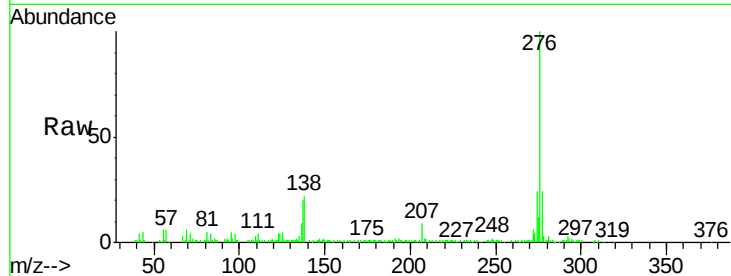
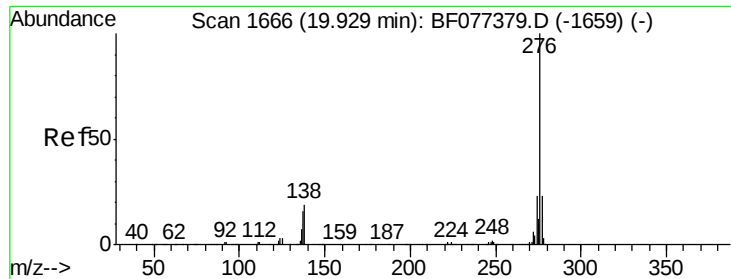
mohammad
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#89
Benzo(a)pyrene
Concen: 12.60 ng
RT: 17.80 min Scan# 1480
Delta R.T. 0.05 min
Lab File: BF077575.D
Acq: 4 Mar 2015 6:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	11.1	8.3	12.5





#91

Benzo(g,h,i)perylene

Concen: 6.63 ng

RT: 19.73 min Scan# 1649

Delta R.T. 0.05 min

Lab File: BF077575.D

Acq: 4 Mar 2015 6:13

Instrument :

BNA_F

ClientSampleId :

SA-2

Tgt	Ion	276	Resp:	145639
Ion	Ratio	Lower	Upper	
276	100			
277	23.7	18.9	28.3	
138	21.6	20.5	30.7	

Manual Integrations
APPROVED

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