

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
 Data File : BF077589.D
 Acq On : 4 Mar 2015 18:41
 Operator : TP/IZ
 Sample : G1426-01
 Misc : W
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-064-3315

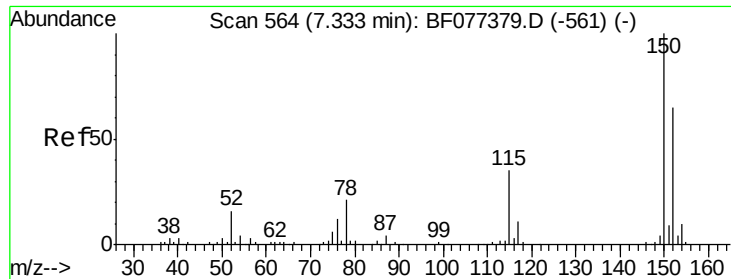
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Quant Time: Mar 05 10:57:32 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 04 21:51:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.22	152	61975	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	247016	20.00	ng	0.00
38) Acenaphthene-d10	10.97	164	125056	20.00	ng	0.00
63) Phenanthrene-d10	12.81	188	236789	20.00	ng	0.00
75) Chrysene-d12	16.11	240	263996	20.00	ng	0.00
86) Perylene-d12	17.90	264	261272	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	224155	60.38	ng	0.00
7) Phenol-d6	6.78	99	179882	37.69	ng	0.00
23) Nitrobenzene-d5	7.91	82	397687	100.12	ng	0.00
41) 2,4,6-Tribromophenol	11.95	330	163233	135.56	ng	0.00
44) 2-Fluorobiphenyl	10.15	172	777781	96.98	ng	0.00
78) Terphenyl-d14	14.81	244	895168	79.27	ng	0.00
Target Compounds						
12) 1,3-Dichlorobenzene	7.14	146	11015	2.31	ng	Qvalue # 89
13) 1,4-Dichlorobenzene	7.24	146	52800	10.88	ng	96
14) 1,2-Dichlorobenzene	7.43	146	916252	198.55	ng	97
30) 1,2,4-Trichlorobenzene	8.73	180	403356	101.99	ng	96
31) Naphthalene	8.83	128	646154	52.31	ng	99
33) 4-Chloroaniline	8.88	127	202148	36.81	ng	# 94
37) 2-Methylnaphthalene	9.68	142	261762	29.84	ng	99
45) 1,1'-Biphenyl	10.27	154	26466	2.79	ng	98
51) Acenaphthene	11.01	154	75469	10.75	ng	100
54) Dibenzofuran	11.23	168	32924	3.04	ng	# 97
56) 2,4-Dinitrotoluene	11.22	165	52193	21.91	ng	88
57) Fluorene	11.65	166	83170	9.60	ng	99
70) Phenanthrene	12.84	178	46026	3.35	ng	99
71) Anthracene	12.90	178	29428m	2.16	ng	

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



#1

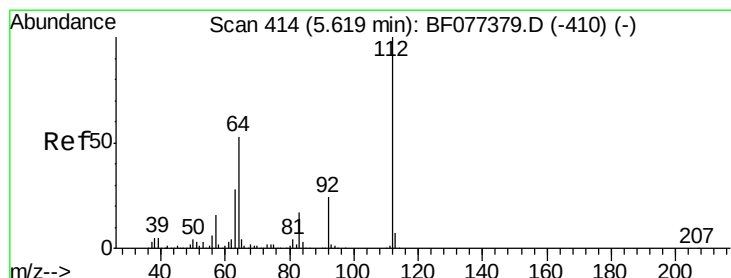
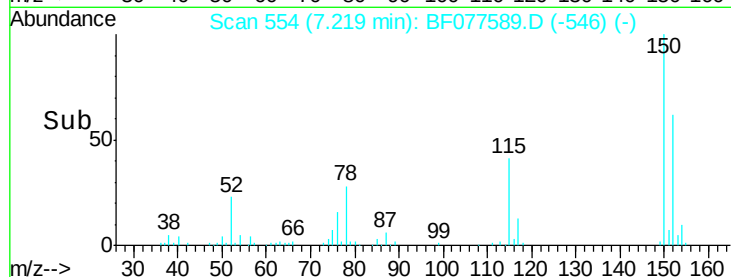
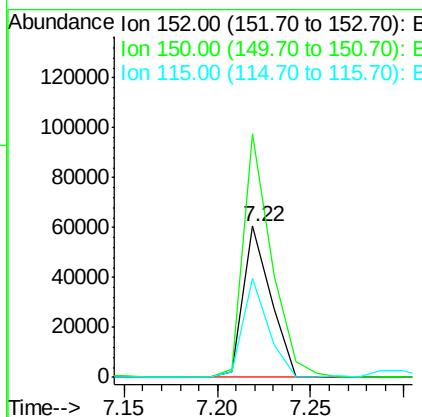
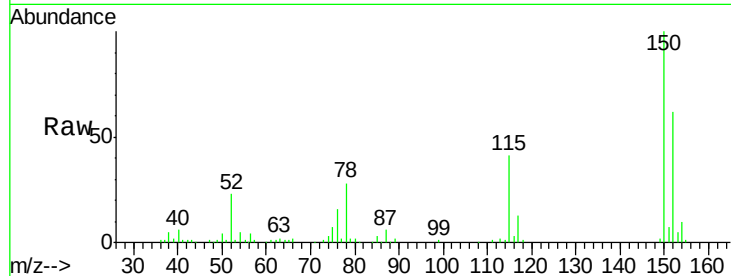
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.22 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF077589.D
Acq: 4 Mar 2015 18:41

Instrument :
BNA_F
ClientSampleId :
DCW-WW-064-3315

Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.2	124.0	186.0
115	65.6	49.4	74.2

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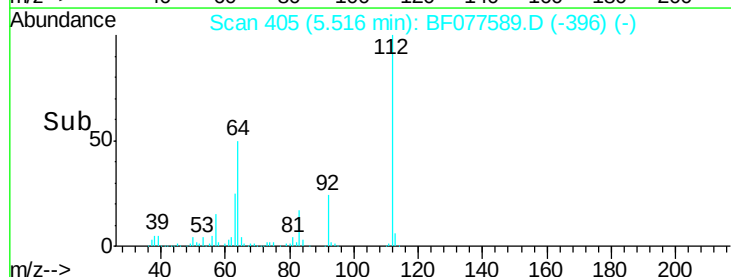
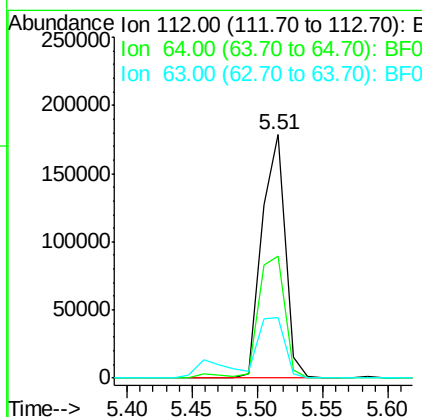
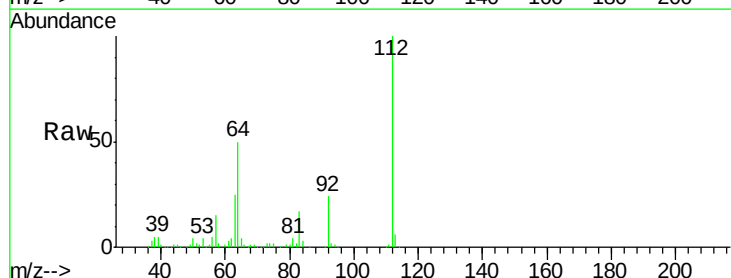
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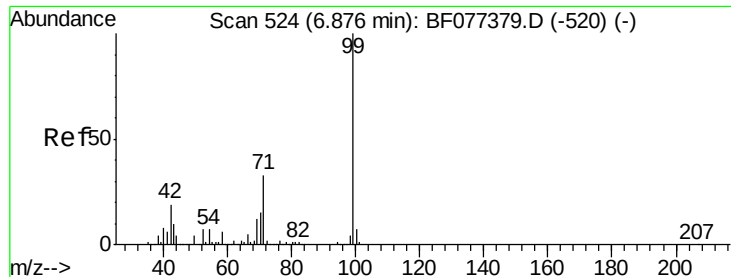


#5

2-Fluorophenol
Concen: 60.38 ng
RT: 5.51 min Scan# 405
Delta R.T. -0.00 min
Lab File: BF077589.D
Acq: 4 Mar 2015 18:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.9	48.5	72.7
63	24.7	25.0	37.4





#7

Phenol-d6

Concen: 37.69 ng

RT: 6.78 min Scan# 516

Delta R.T. -0.00 min

Lab File: BF077589.D

Acq: 4 Mar 2015 18:41

Instrument :

BNA_F

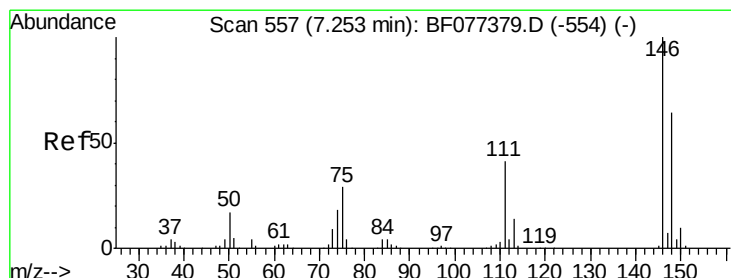
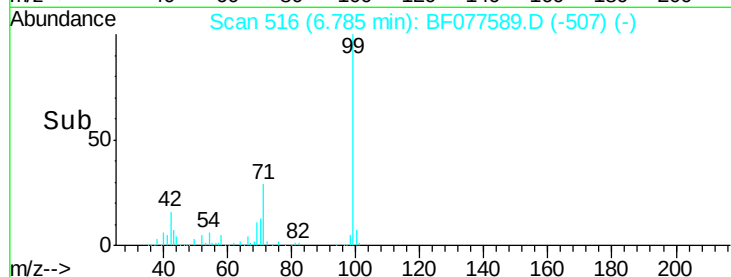
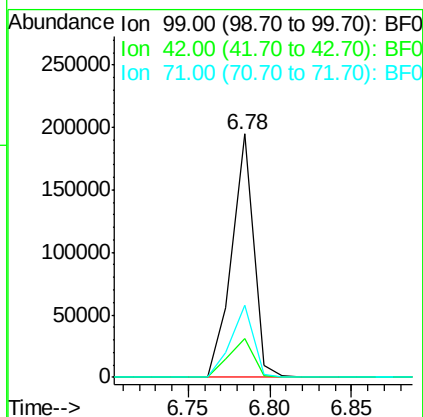
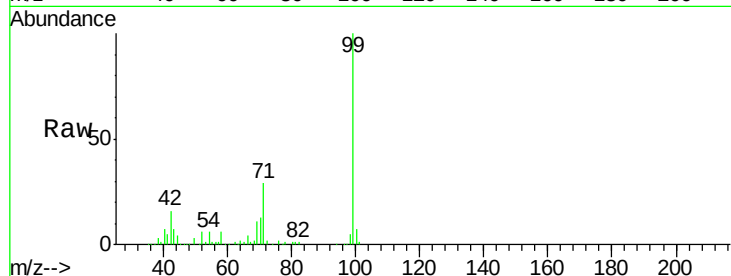
ClientSampleId :

DCW-WW-064-3315

Tgt Ion:	99	Resp:	179882
Ion Ratio	Lower	Upper	
99	100		
42	15.8	16.2	24.4#
71	29.4	26.7	40.1

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#12

1,3-Dichlorobenzene

Concen: 2.31 ng

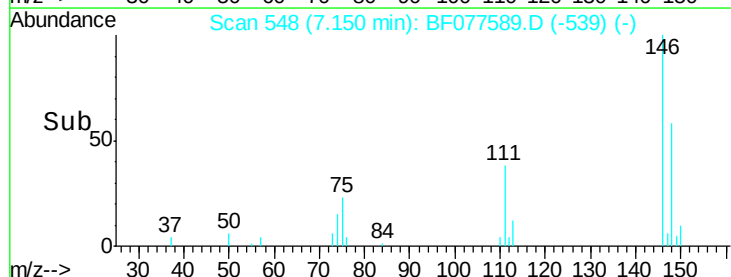
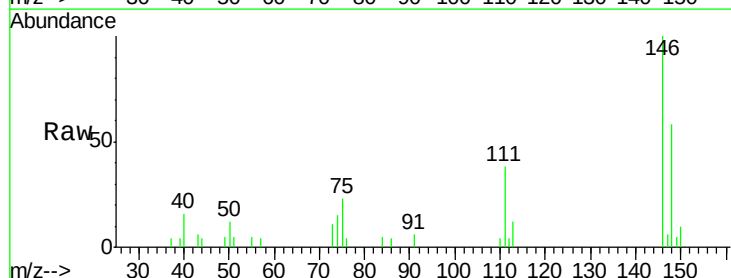
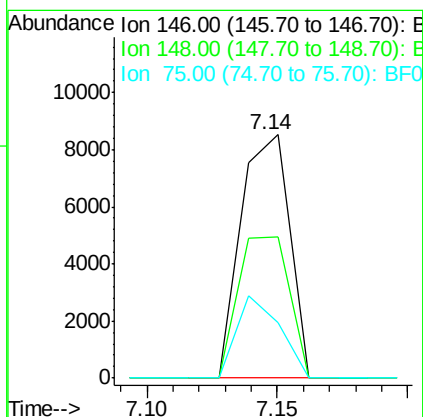
RT: 7.14 min Scan# 548

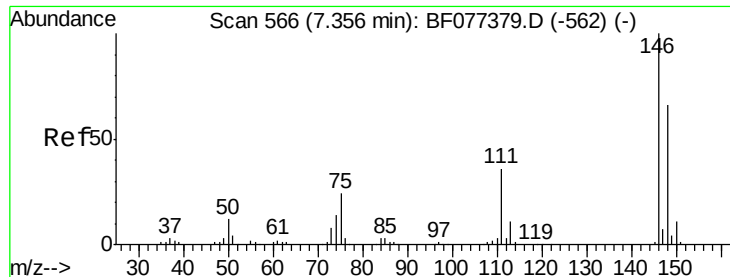
Delta R.T. -0.00 min

Lab File: BF077589.D

Acq: 4 Mar 2015 18:41

Tgt Ion:	146	Resp:	11015
Ion Ratio	Lower	Upper	
146	100		
148	58.1	49.8	74.8
75	22.9	28.2	42.4#





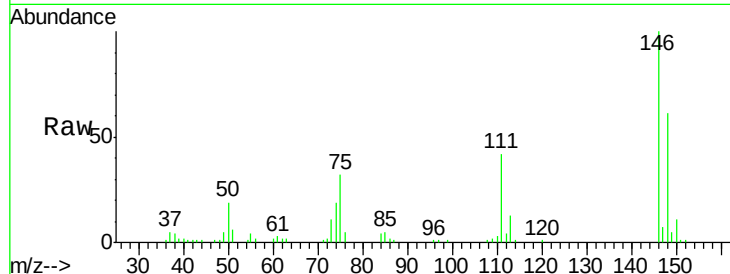
#13
 1,4-Dichlorobenzene
 Concen: 10.88 ng
 RT: 7.24 min Scan# 556
 Delta R.T. -0.00 min
 Lab File: BF077589.D
 Acq: 4 Mar 2015 18:41

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-064-3315

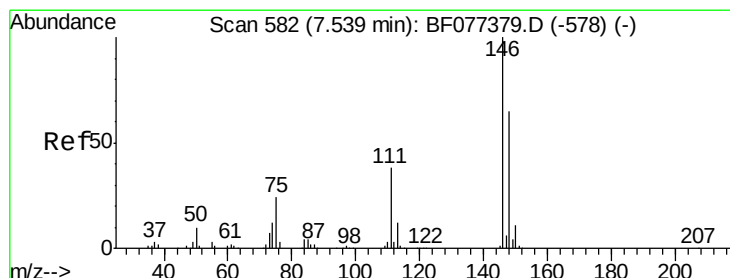
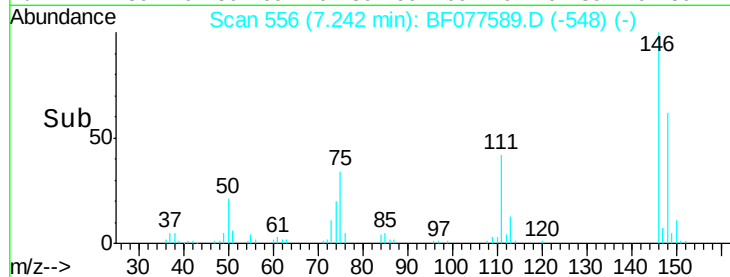
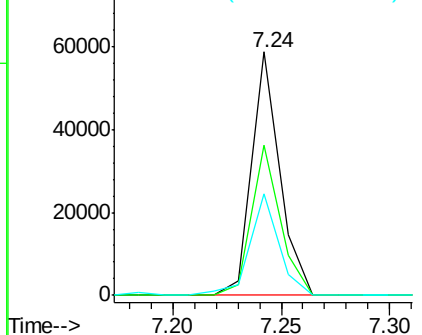
Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.5	52.0	78.0
111	41.6	31.9	47.9

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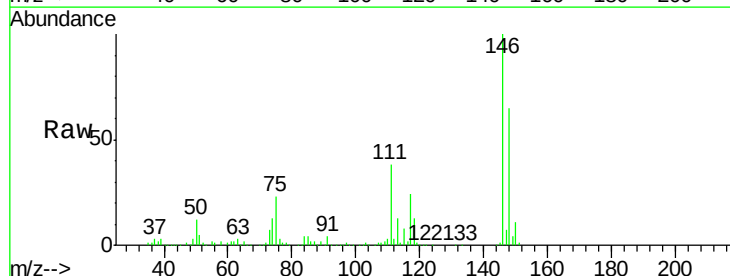


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

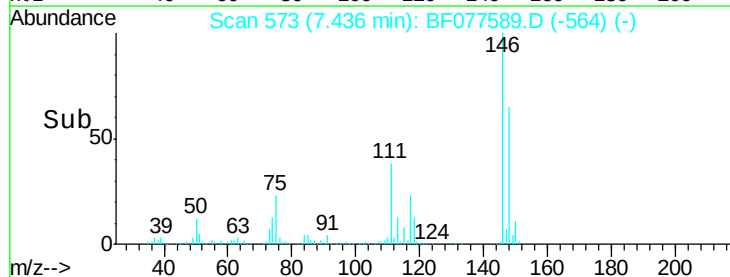
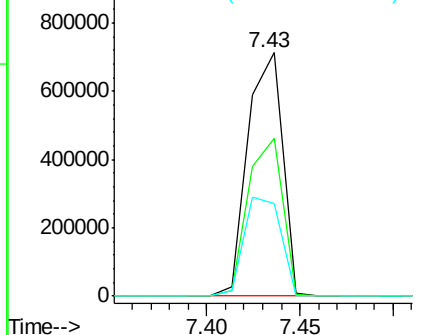


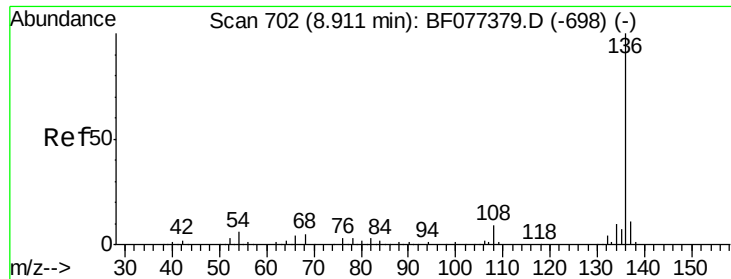
#14
 1,2-Dichlorobenzene
 Concen: 198.55 ng
 RT: 7.43 min Scan# 573
 Delta R.T. 0.00 min
 Lab File: BF077589.D
 Acq: 4 Mar 2015 18:41

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.6	77.4
111	38.0	34.2	51.2



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





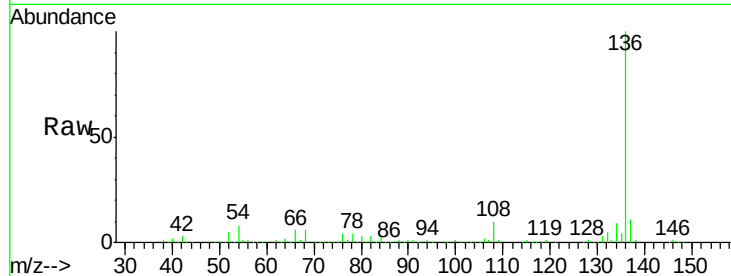
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.80 min Scan# 692
Delta R.T. -0.00 min
Lab File: BF077589.D
Acq: 4 Mar 2015 18:41

Instrument :
BNA_F
ClientSampleId :
DCW-WW-064-3315

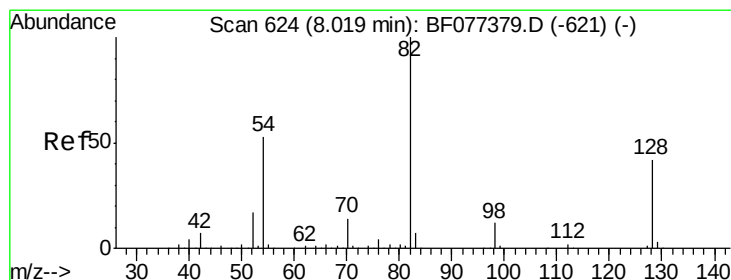
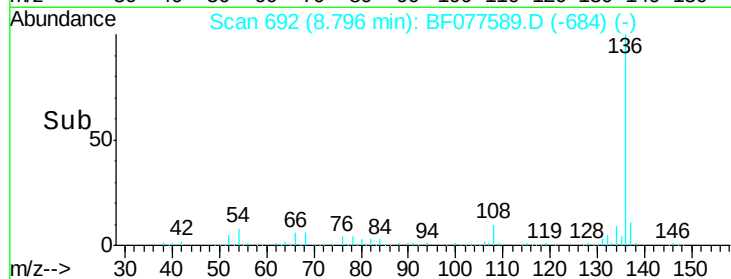
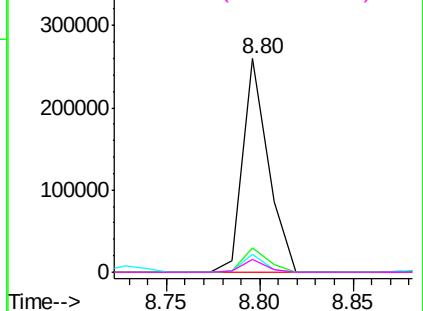
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		247016		
137	11.1	8.6	13.0		
54	8.4	6.2	9.4		
68	6.2	5.0	7.6		

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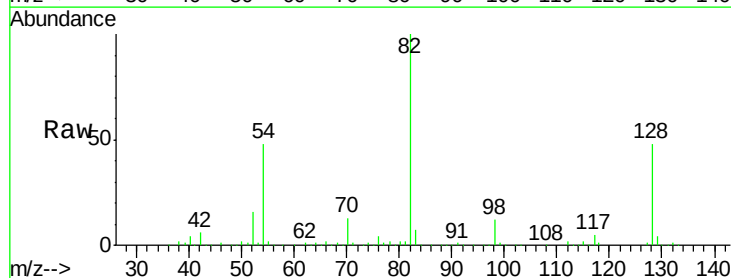


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

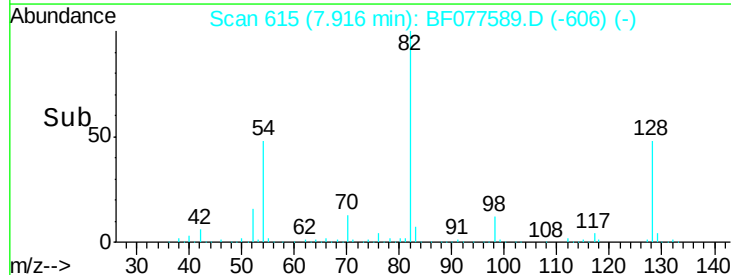
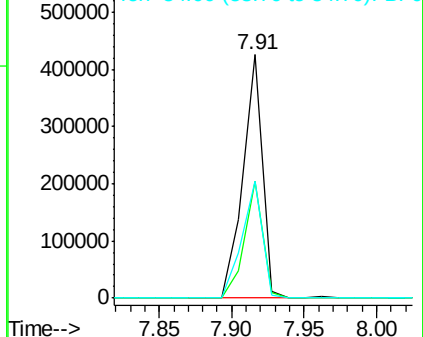


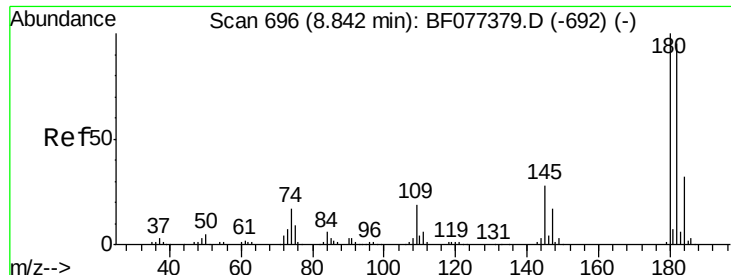
#23
Nitrobenzene-d5
Concen: 100.12 ng
RT: 7.91 min Scan# 615
Delta R.T. -0.00 min
Lab File: BF077589.D
Acq: 4 Mar 2015 18:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		397687		
128	48.0	43.8	65.8		
54	47.9	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





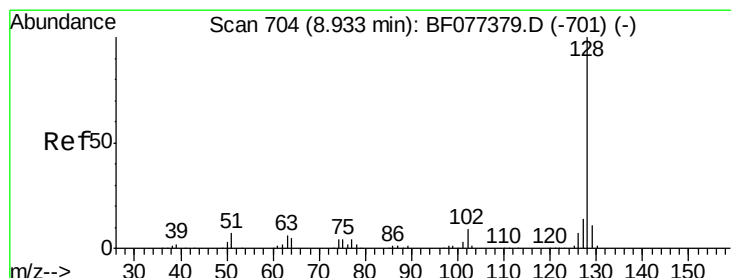
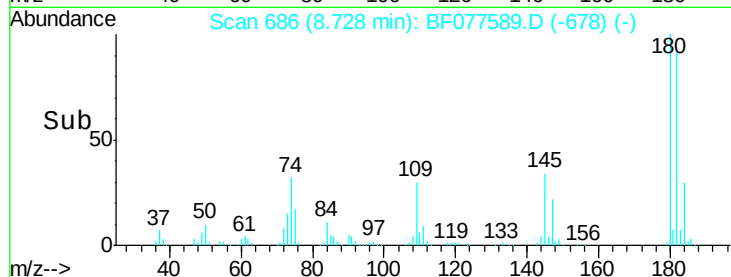
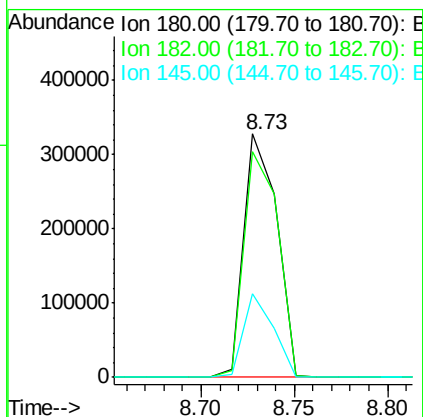
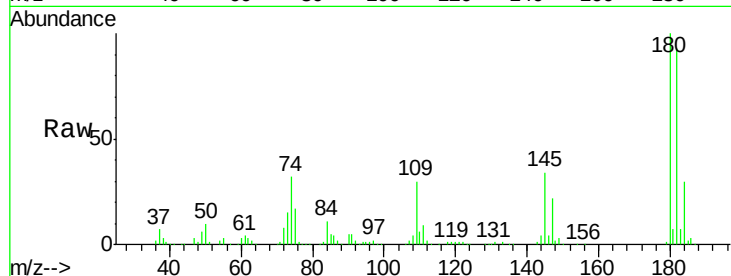
#30
 1,2,4-Trichlorobenzene
 Concen: 101.99 ng
 RT: 8.73 min Scan# 686
 Delta R.T. -0.00 min
 Lab File: BF077589.D
 Acq: 4 Mar 2015 18:41

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-064-3315

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	403356		
182	93.0	76.2	114.4	
145	34.5	24.5	36.7	

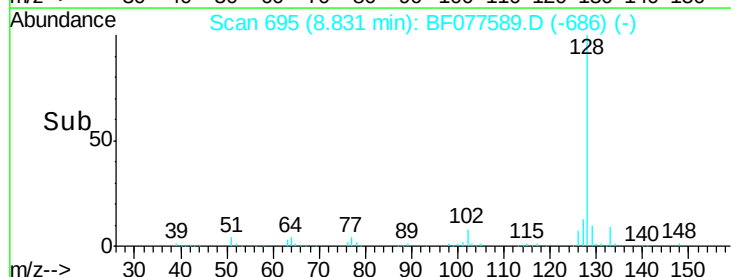
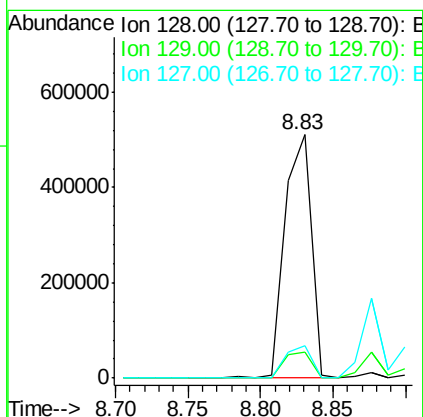
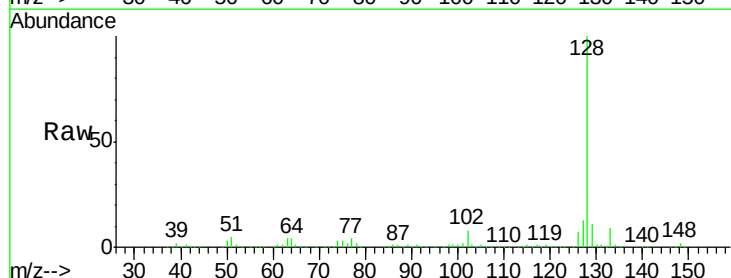
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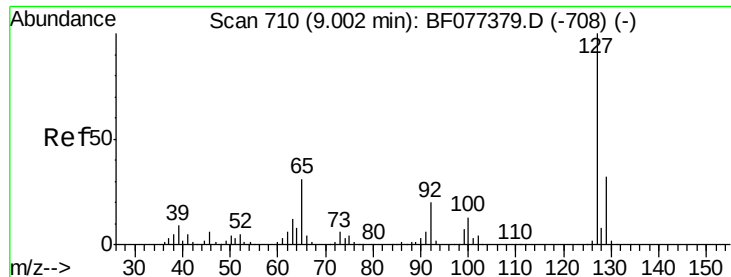
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#31
 Naphthalene
 Concen: 52.31 ng
 RT: 8.83 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: BF077589.D
 Acq: 4 Mar 2015 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	646154		
129	10.7	9.4	14.0	
127	13.2	10.6	15.8	





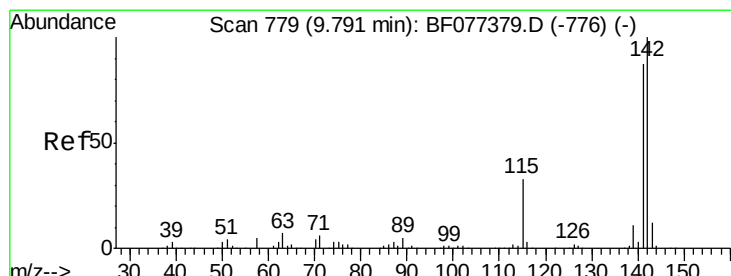
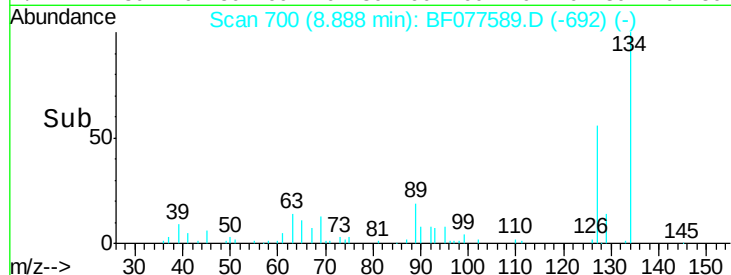
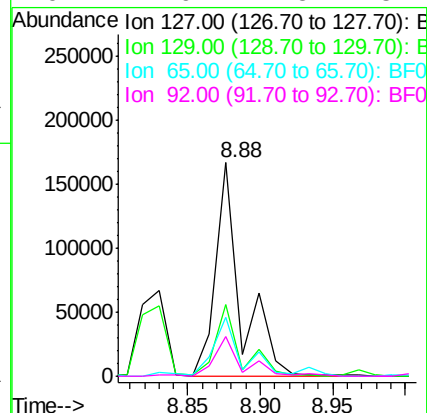
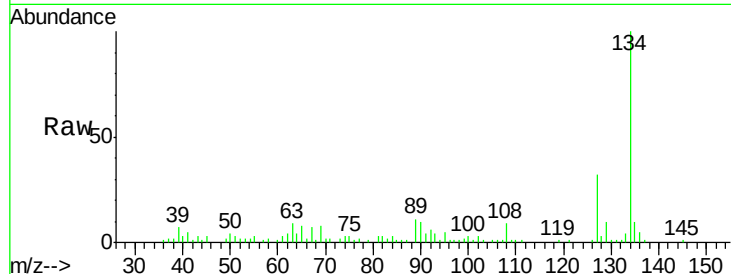
#33
4-Chloroaniline
Concen: 36.81 ng
RT: 8.88 min Scan# 700
Delta R.T. -0.02 min
Lab File: BF077589.D
Acq: 4 Mar 2015 18:41

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
127	100	202148		
129	31.4	26.9	40.3	
65	26.2	16.7	25.1#	
92	17.9	12.5	18.7	

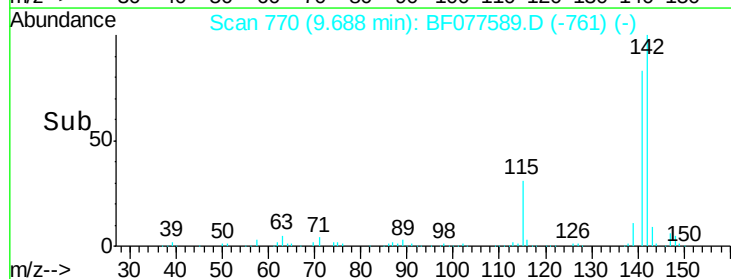
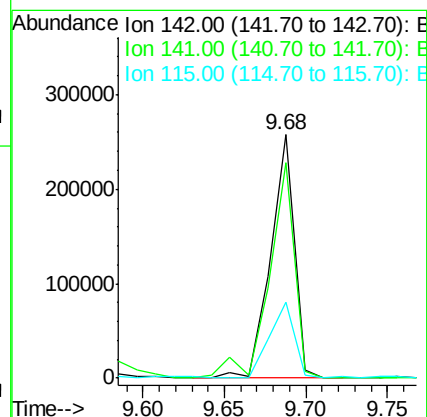
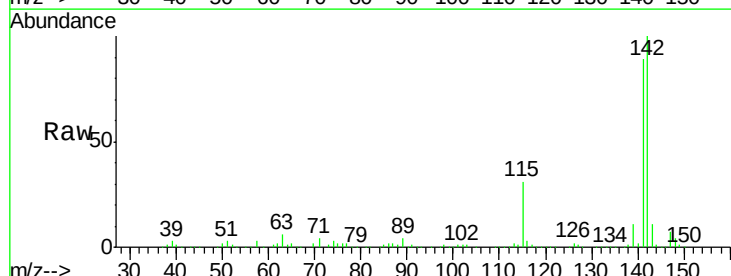
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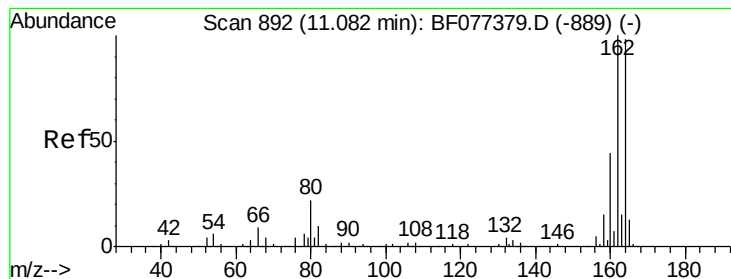
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#37
2-Methylnaphthalene
Concen: 29.84 ng
RT: 9.68 min Scan# 770
Delta R.T. -0.00 min
Lab File: BF077589.D
Acq: 4 Mar 2015 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	261762		
141	88.6	70.7	106.1	
115	31.0	24.2	36.4	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.97 min Scan# 882

Delta R.T. -0.00 min

Lab File: BF077589.D

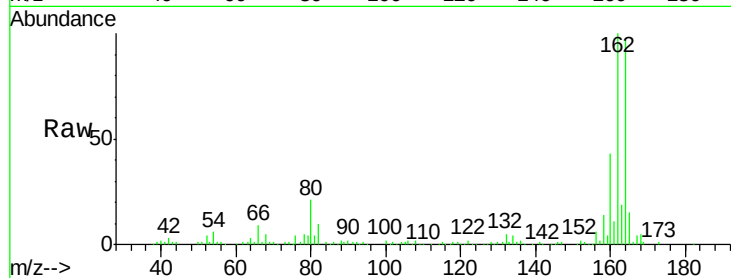
Acq: 4 Mar 2015 18:41

Instrument :

BNA_F

ClientSampleId :

DCW-WW-064-3315



Tgt Ion:164 Resp: 125056

Ion Ratio Lower Upper

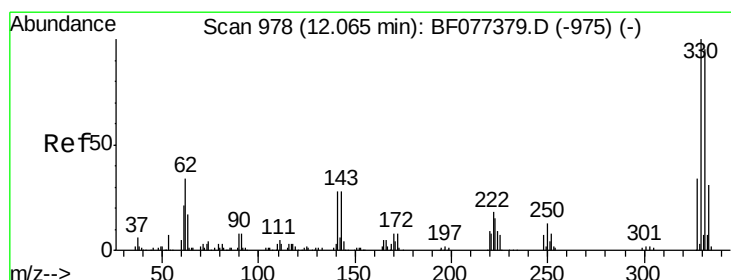
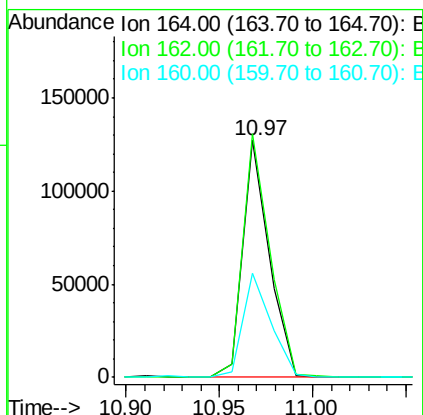
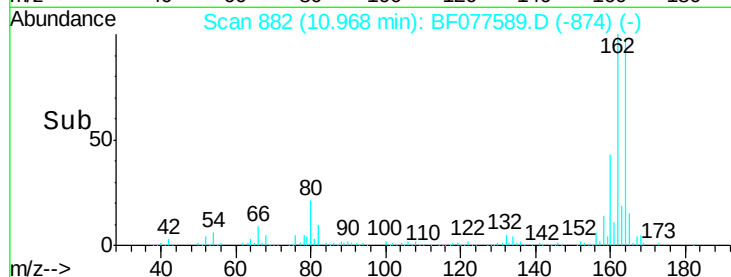
164 100

162 102.9 83.2 124.8

160 44.1 34.6 52.0

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#41

2,4,6-Tribromophenol

Concen: 135.56 ng

RT: 11.95 min Scan# 968

Delta R.T. -0.00 min

Lab File: BF077589.D

Acq: 4 Mar 2015 18:41

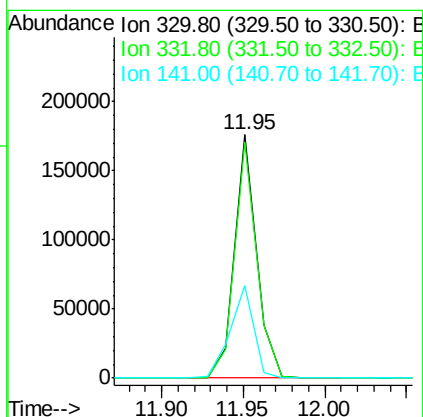
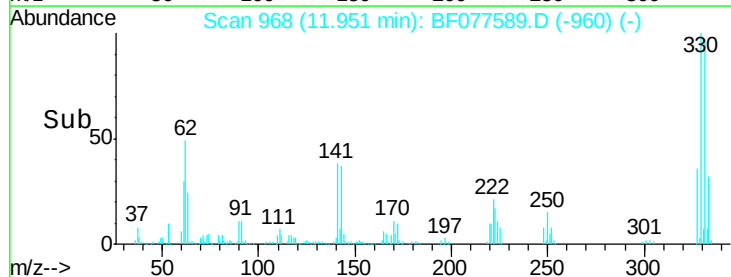
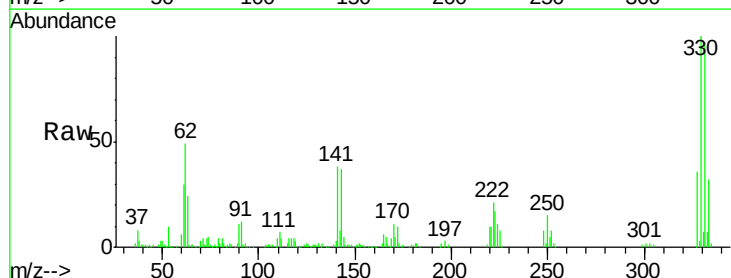
Tgt Ion:330 Resp: 163233

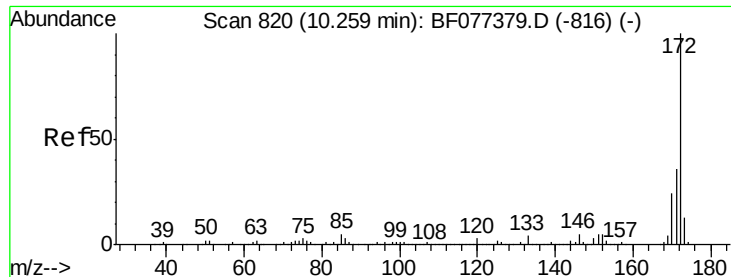
Ion Ratio Lower Upper

330 100

332 97.5 77.4 116.2

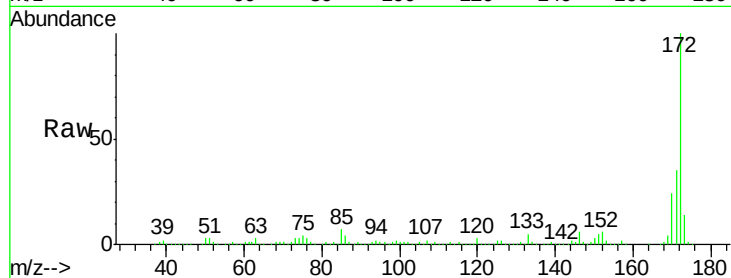
141 41.7 28.8 43.2





#44
 2-Fluorobiphenyl
 Concen: 96.98 ng
 RT: 10.15 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF077589.D
 Acq: 4 Mar 2015 18:41

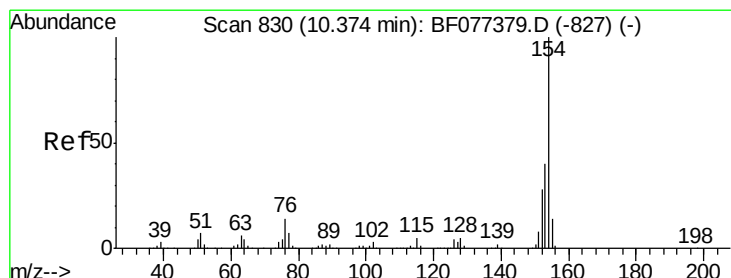
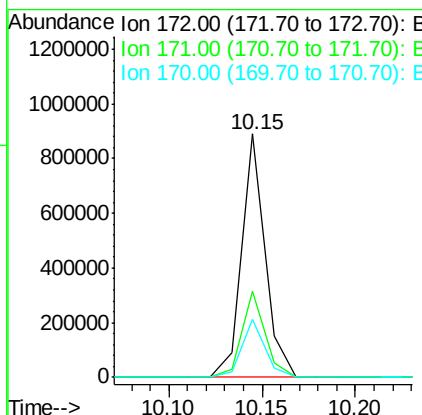
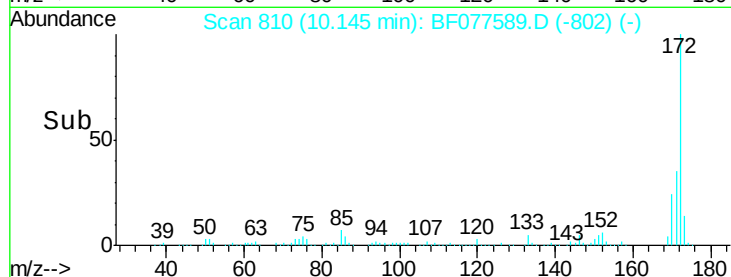
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-064-3315



Tgt Ion:	172	Resp:	777781
Ion Ratio	Lower	Upper	
172	100		
171	35.3	28.9	43.3
170	23.9	19.4	29.2

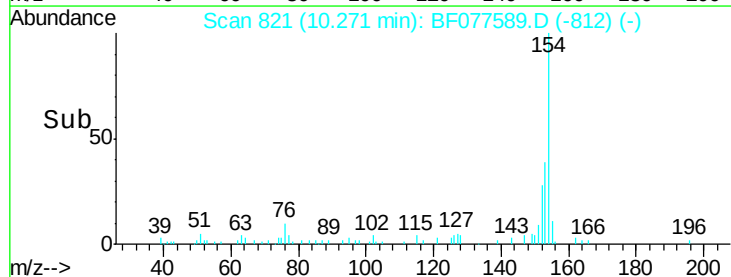
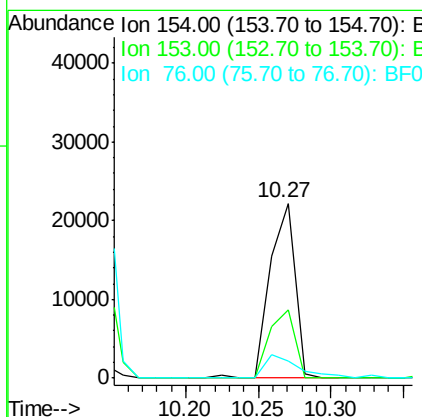
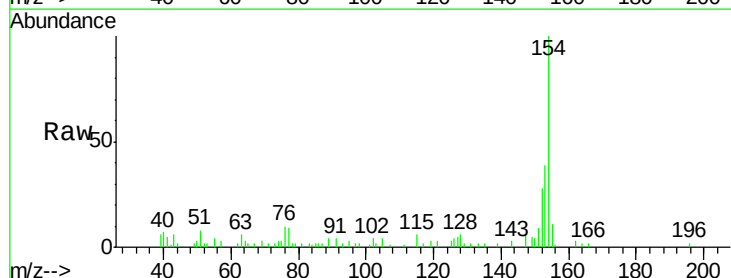
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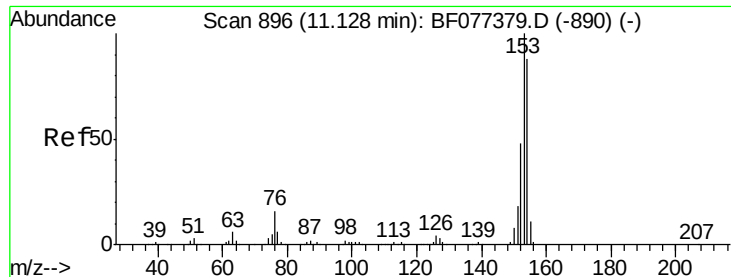
mohammad
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#45
 1,1'-Biphenyl
 Concen: 2.79 ng
 RT: 10.27 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: BF077589.D
 Acq: 4 Mar 2015 18:41

Tgt Ion:	154	Resp:	26466
Ion Ratio	Lower	Upper	
154	100		
153	39.0	20.2	60.2
76	9.7	0.0	29.4





#51

Acenaphthene

Concen: 10.75 ng

RT: 11.01 min Scan# 886

Delta R.T. -0.00 min

Lab File: BF077589.D

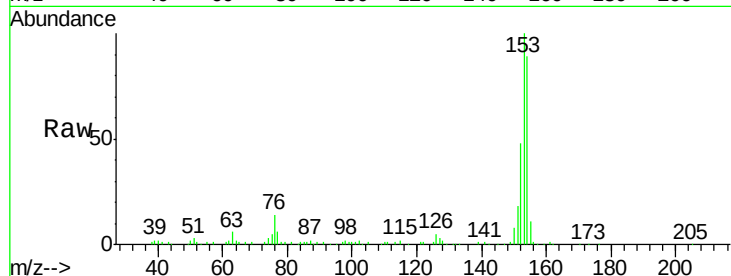
Acq: 4 Mar 2015 18:41

Instrument :

BNA_F

ClientSampleId :

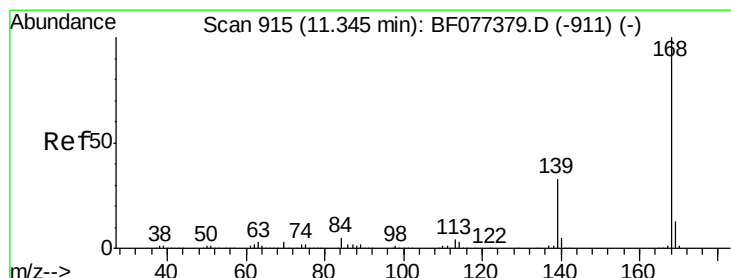
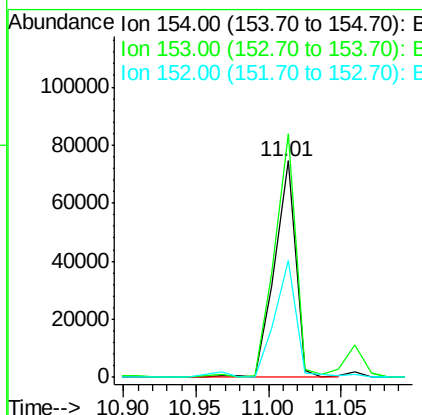
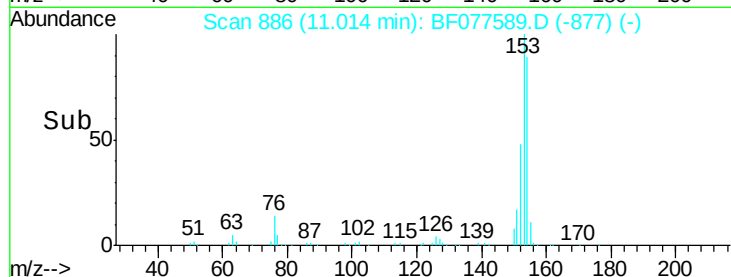
DCW-WW-064-3315



Tgt Ion:	154	Resp:	75469
Ion Ratio	Lower	Upper	
154	100		
153	112.6	90.5	135.7
152	54.3	43.5	65.3

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#54

Dibenzofuran

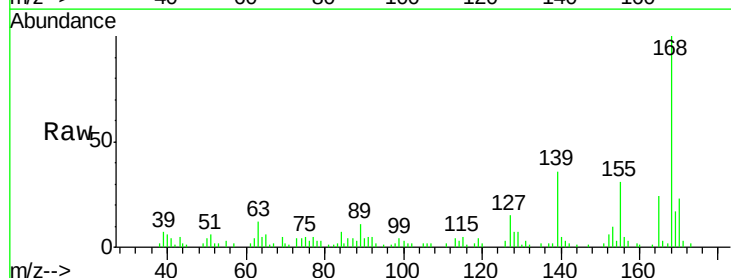
Concen: 3.04 ng

RT: 11.23 min Scan# 905

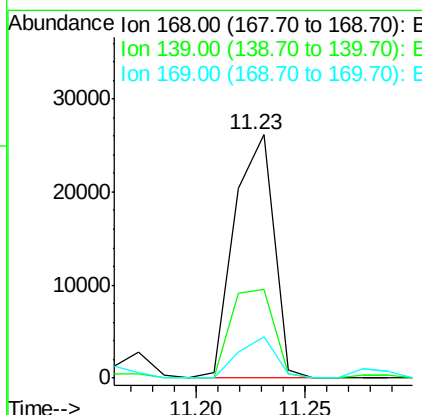
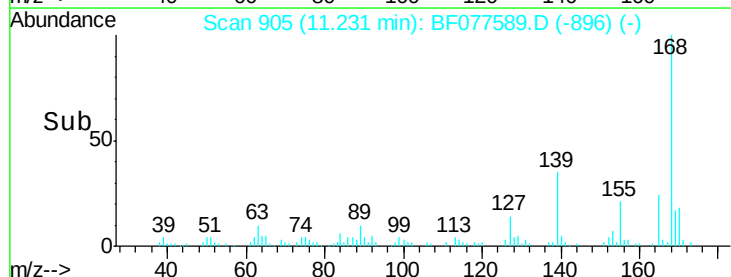
Delta R.T. -0.00 min

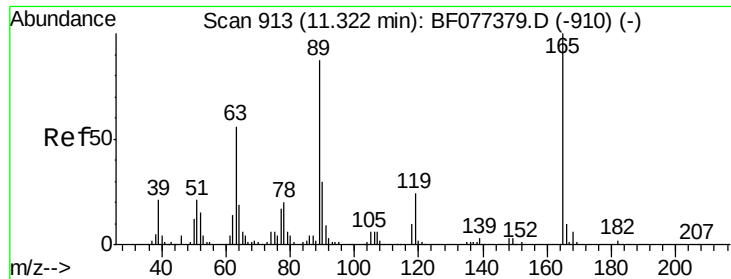
Lab File: BF077589.D

Acq: 4 Mar 2015 18:41



Tgt Ion:	168	Resp:	32924
Ion Ratio	Lower	Upper	
168	100		
139	36.4	29.3	43.9
169	17.0	10.9	16.3#





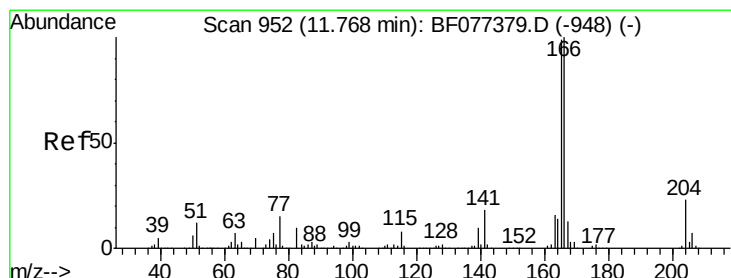
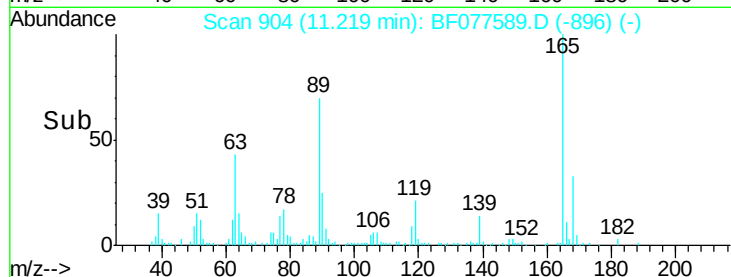
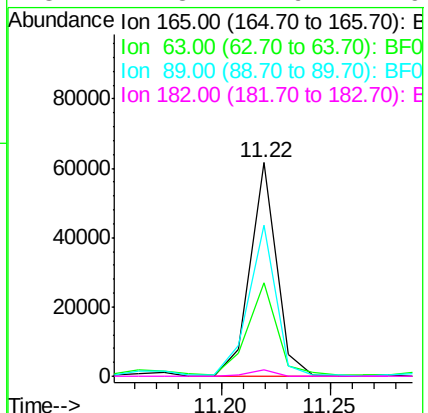
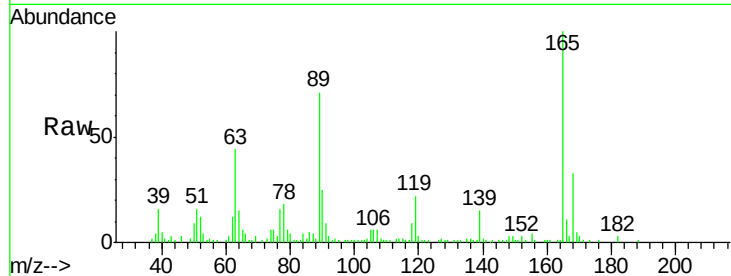
#56
2,4-Dinitrotoluene
Concen: 21.91 ng
RT: 11.22 min Scan# 904
Delta R.T. -0.00 min
Lab File: BF077589.D
Acq: 4 Mar 2015 18:41

Instrument :
BNA_F
ClientSampleId :
DCW-WW-064-3315

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	52193		
63	43.9	29.8	44.8	
89	70.7	48.5	72.7	
182	2.8	1.9	2.9	

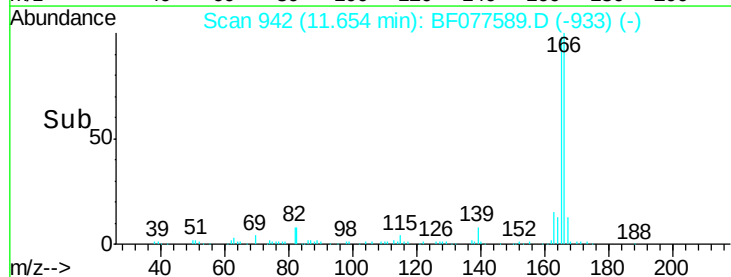
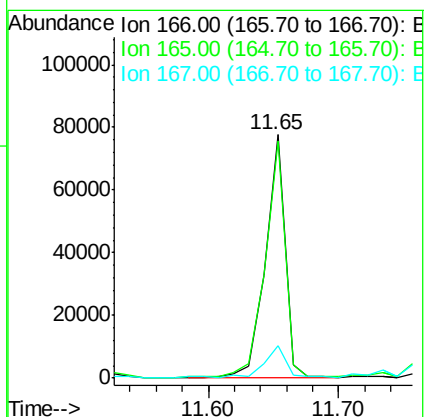
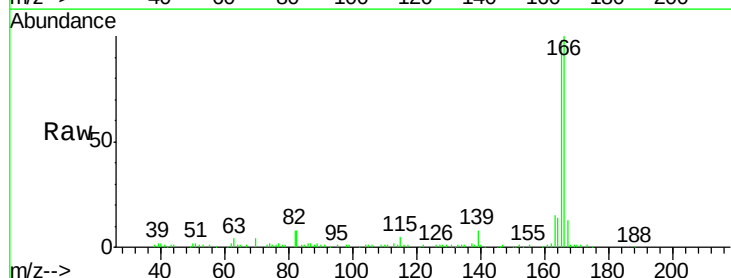
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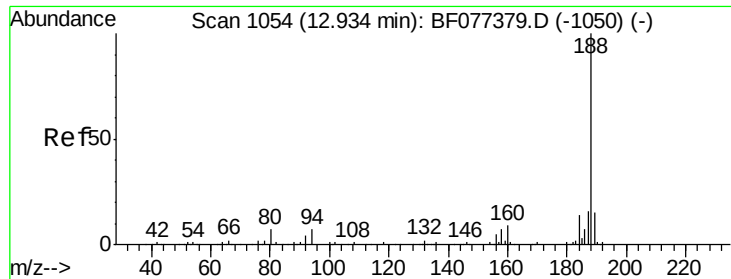
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#57
Fluorene
Concen: 9.60 ng
RT: 11.65 min Scan# 942
Delta R.T. -0.00 min
Lab File: BF077589.D
Acq: 4 Mar 2015 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	83170		
165	97.7	77.6	116.4	
167	13.3	10.6	16.0	





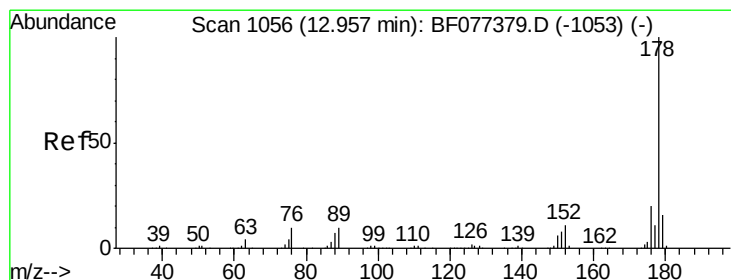
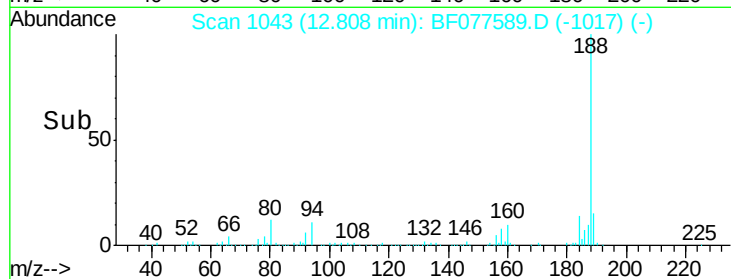
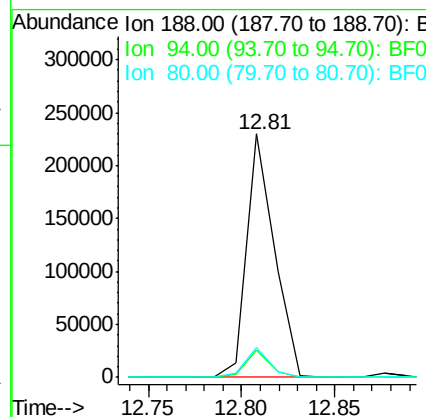
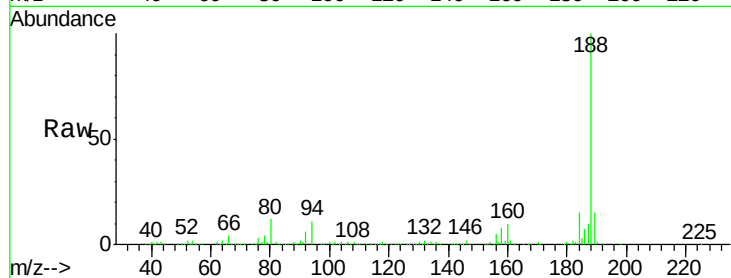
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF077589.D
Acq: 4 Mar 2015 18:41

Instrument :
BNA_F
ClientSampleId :
DCW-WW-064-3315

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.1	7.4	11.2
80	12.2	8.0	12.0

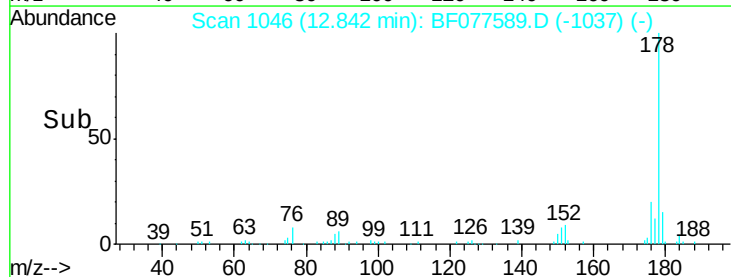
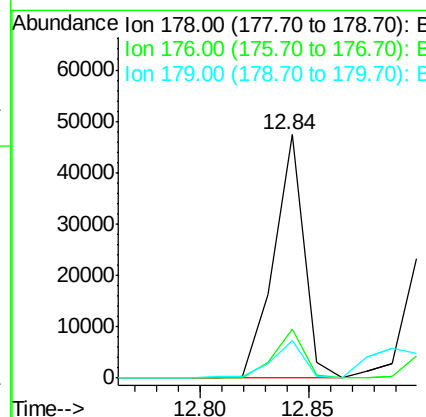
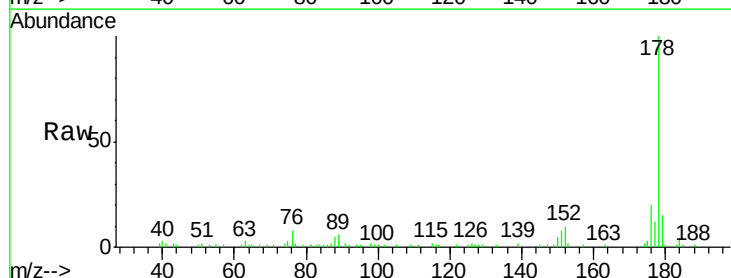
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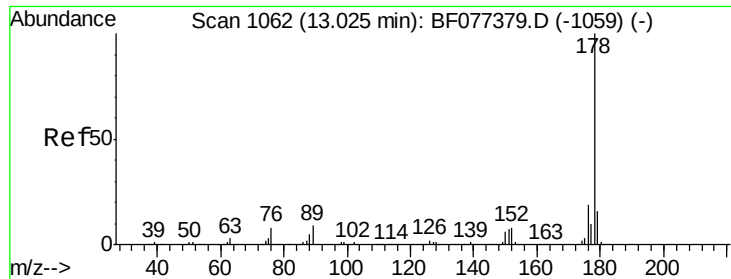
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#70
Phenanthrene
Concen: 3.35 ng
RT: 12.84 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BF077589.D
Acq: 4 Mar 2015 18:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.1	15.5	23.3
179	15.3	12.2	18.2





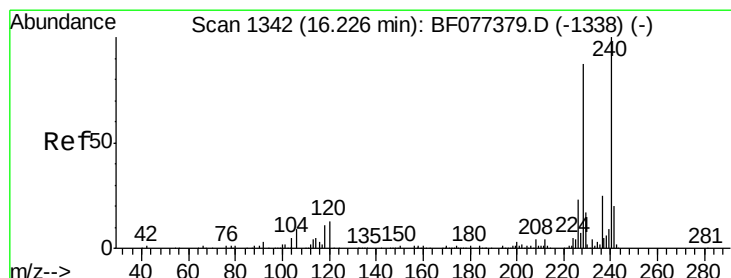
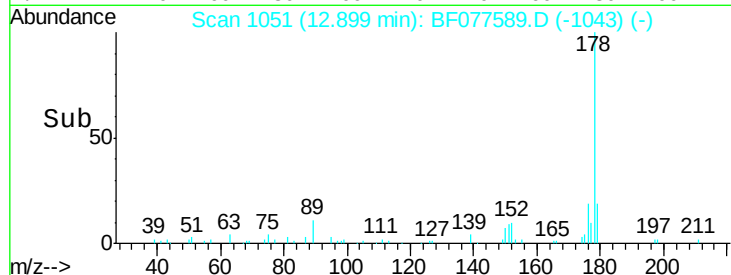
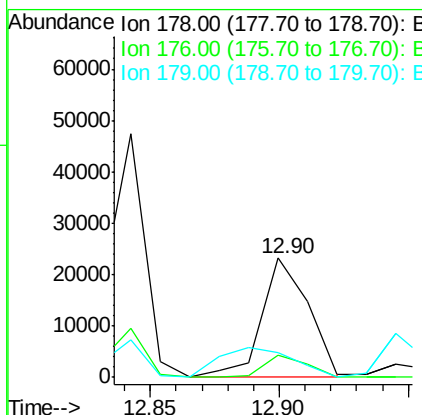
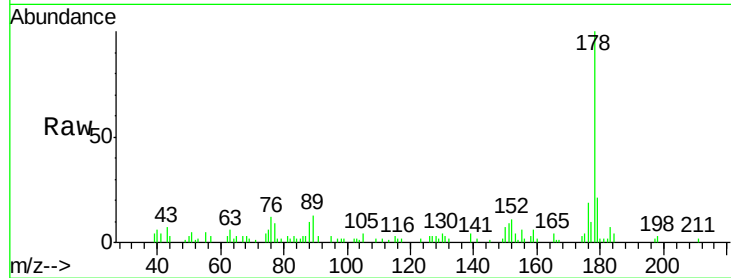
#71
 Anthracene
 Concen: 2.16 ng m
 RT: 12.90 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: BF077589.D
 Acq: 4 Mar 2015 18:41

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-064-3315

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	20.5	12.9	19.3

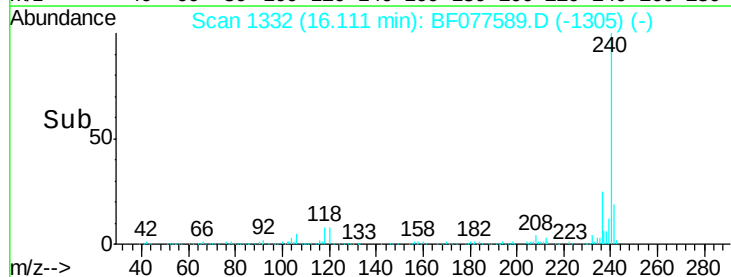
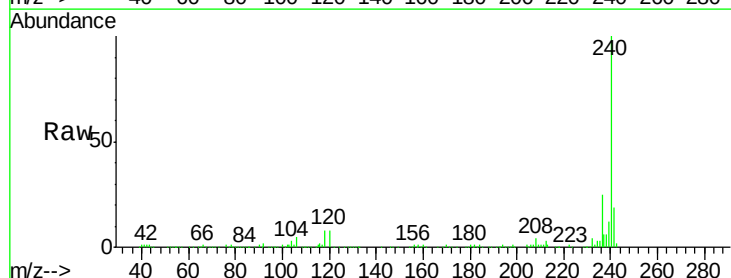
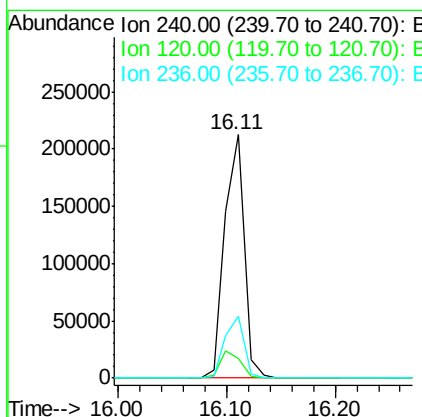
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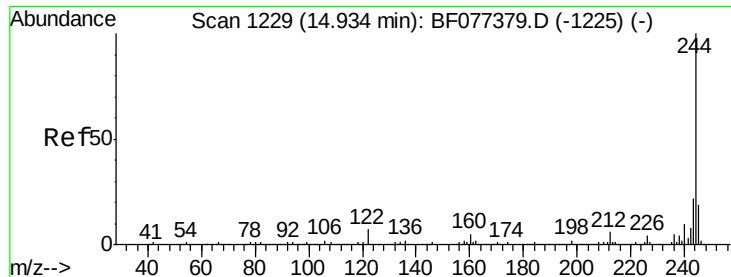
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.11 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: BF077589.D
 Acq: 4 Mar 2015 18:41

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.3	8.8	13.2
236	25.3	20.7	31.1





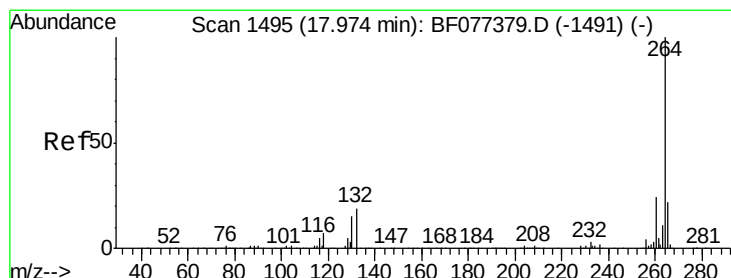
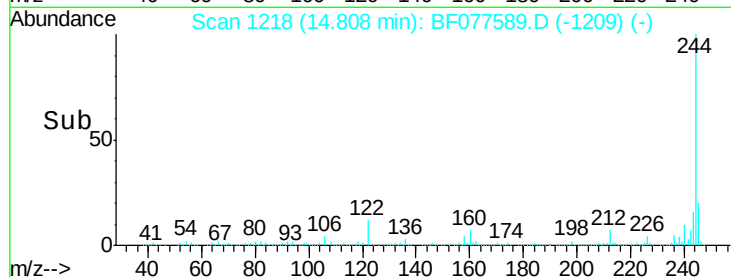
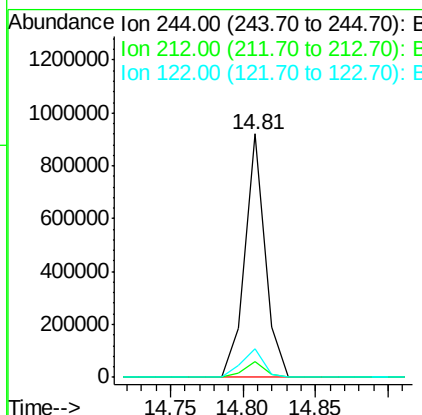
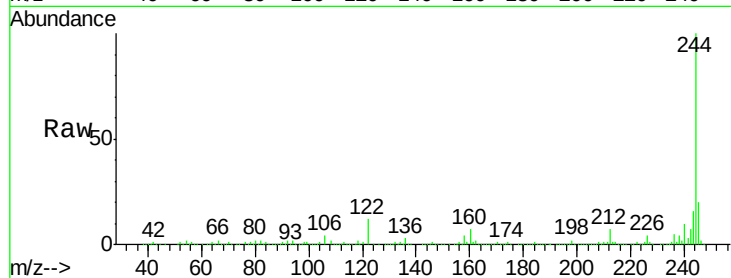
#78
 Terphenyl-d14
 Concen: 79.27 ng
 RT: 14.81 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF077589.D
 Acq: 4 Mar 2015 18:41

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-064-3315

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.7	5.2	7.8
122	12.0	7.8	11.8

Manual Integrations
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.90 min Scan# 1489
 Delta R.T. 0.05 min
 Lab File: BF077589.D
 Acq: 4 Mar 2015 18:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.0	19.3	28.9
265	21.3	16.8	25.2

