

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051515\
 Data File : BF079300.D
 Acq On : 16 May 2015 8:11
 Operator : TP/IZ
 Sample : G2250-15
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-08-D1

Manual Integrations
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Quant Time: May 18 01:28:35 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 18 00:56:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.18	152	72143	20.00	ng	0.00
21) Naphthalene-d8	8.75	136	293545	20.00	ng	0.00
38) Acenaphthene-d10	10.93	164	136079	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	250111	20.00	ng	0.00
75) Chrysene-d12	16.07	240	255617	20.00	ng	0.01
86) Perylene-d12	17.83	264	279190	20.00	ng	0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	304895m	72.75	ng	0.01
7) Phenol-d6	6.75	99	404836	73.08	ng	0.01
23) Nitrobenzene-d5	7.87	82	240366	47.06	ng	0.00
41) 2,4,6-Tribromophenol	11.91	330	103536	70.33	ng	0.00
44) 2-Fluorobiphenyl	10.10	172	459821	47.08	ng	0.00
78) Terphenyl-d14	14.77	244	505121	47.31	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.78	128	430412	30.77	ng	99
37) 2-Methylnaphthalene	9.64	142	93819	9.68	ng	99
45) 1,1'-Biphenyl	10.23	154	24889	2.30	ng	98
48) Acenaphthylene	10.75	152	60370	4.36	ng	98
49) Dimethylphthalate	10.61	163	27415	2.75	ng	99
51) Acenaphthene	10.97	154	93340	11.30	ng	100
54) Dibenzofuran	11.19	168	113268	9.49	ng	94
57) Fluorene	11.61	166	79716	8.14	ng	99
70) Phenanthrene	12.80	178	1178920	84.26	ng	97
71) Anthracene	12.86	178	214454	15.62	ng	99
72) Carbazole	13.07	167	138321	10.57	ng	98
74) Fluoranthene	14.27	202	1422562	97.57	ng	98
77) Pvrene	14.56	202	1313627	89.18	ng	98
80) Benzo(a)anthracene	16.05	228	639577m	45.69	ng	
82) Chrysene	16.09	228	603874	44.85	ng	97
85) Indeno(1,2,3-cd)pyrene	19.23	276	330578	19.27	ng	93
87) Benzo(b)fluoranthene	17.38	252	738585m	48.33	ng	
88) Benzo(k)fluoranthene	17.41	252	266272m	18.00	ng	
89) Benzo(a)pvrene	17.77	252	553413	39.33	ng	99
90) Dibenzo(a,h)anthracene	19.26	278	78642	5.26	ng	94
91) Benzo(q,h,i)perylene	19.66	276	323004	21.55	ng	97

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

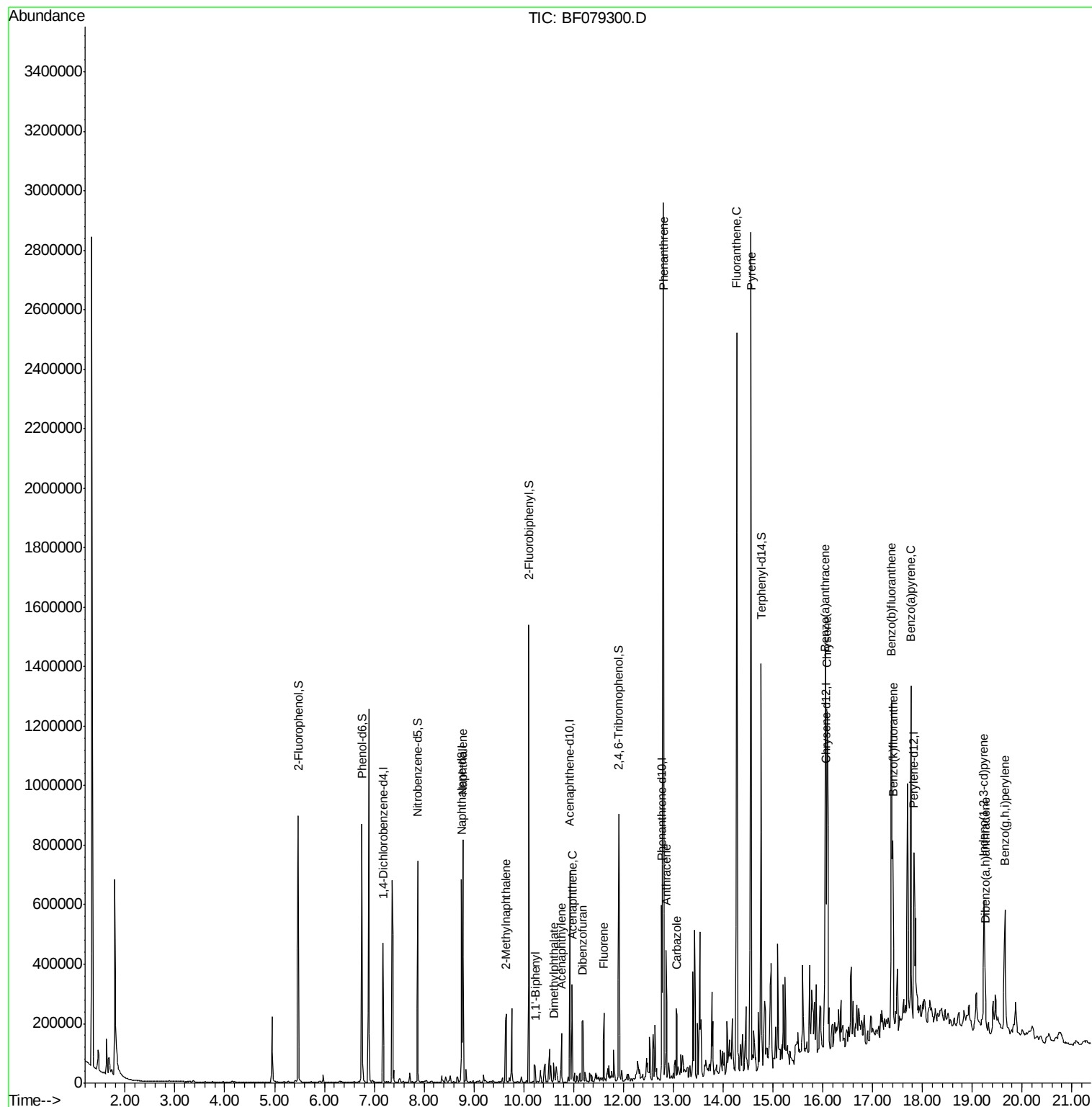
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051515\
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Misc :
ALS Vial : 33 Sample Multiplier: 1

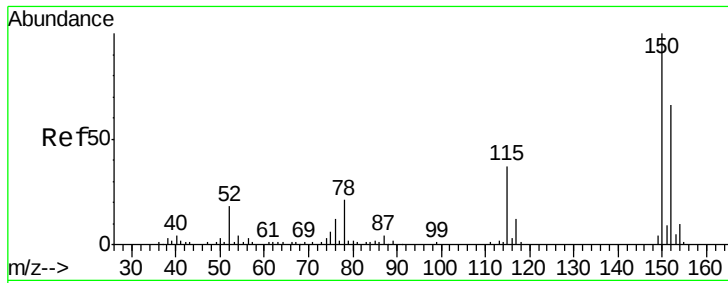
Instrument :
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ClientSampleId :
WC-08-D1

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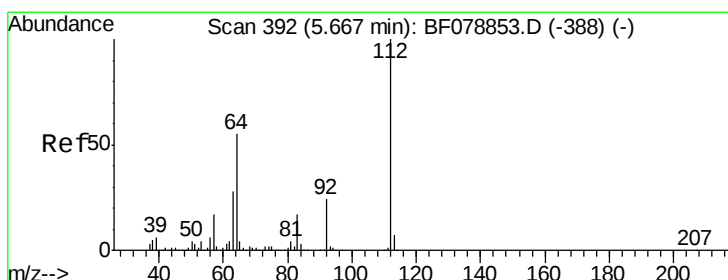
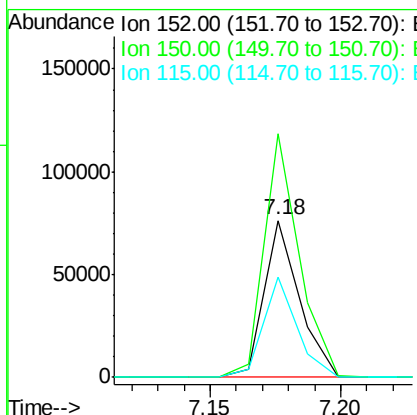
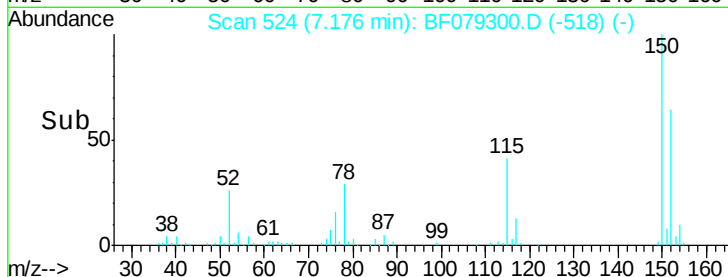
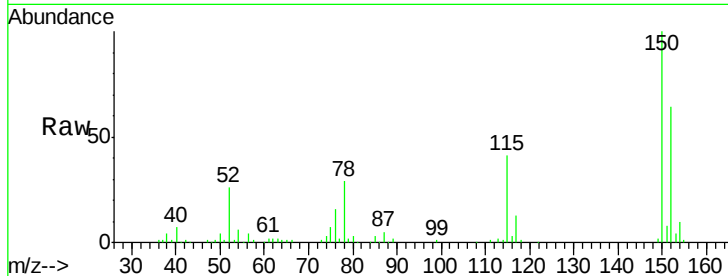
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.18 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: BF079300.D
 Acq: 16 May 2015 8:11

Instrument :
 BNA_F
 ClientSampleId :
 WC-08-D1

Tot Ion:	152	Resp:	72143
Ion Ratio	Lower	Upper	
152	100		
150	155.2	123.8	185.8
115	63.9	49.4	74.0

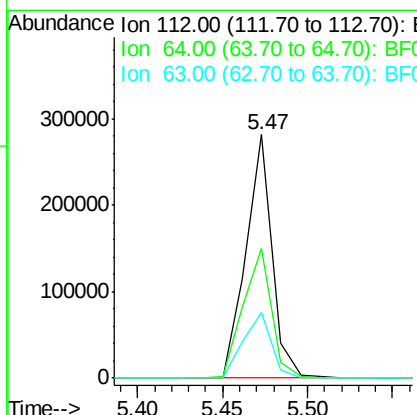
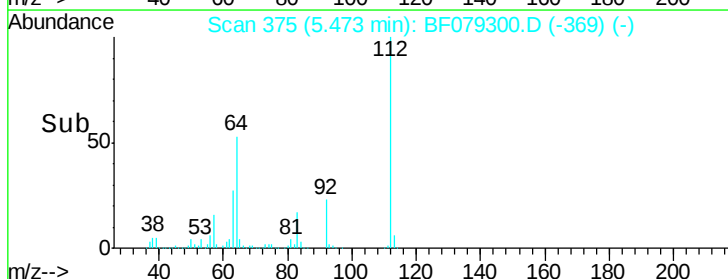
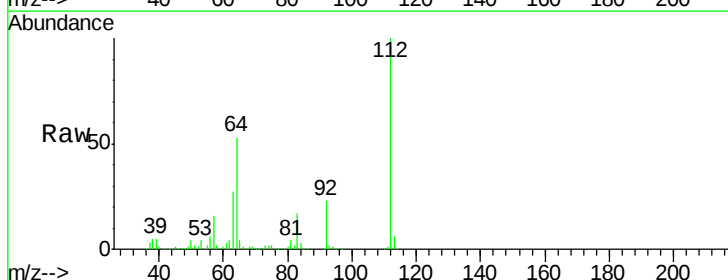
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#5
 2-Fluorophenol
 Concen: 72.75 ng m
 RT: 5.47 min Scan# 375
 Delta R.T. 0.01 min
 Lab File: BF079300.D
 Acq: 16 May 2015 8:11

Tgt Ion:	112	Resp:	304895
Ion Ratio	Lower	Upper	
112	100		
64	53.2	44.2	66.2
63	26.9	22.7	34.1





#7

Phenol-d6

Concen: 73.08 ng

RT: 6.75 min Scan# 487

Delta R.T. 0.01 min

Lab File: BF079300.D

Acq: 16 May 2015 8:11

Instrument :

BNA_F

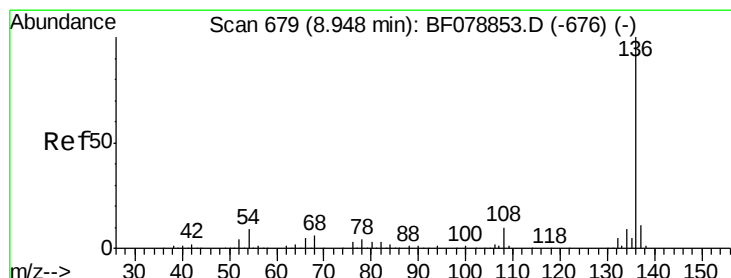
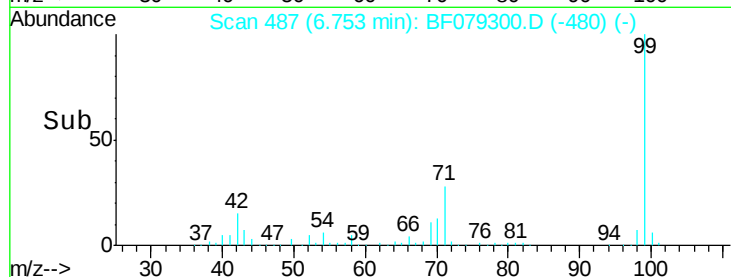
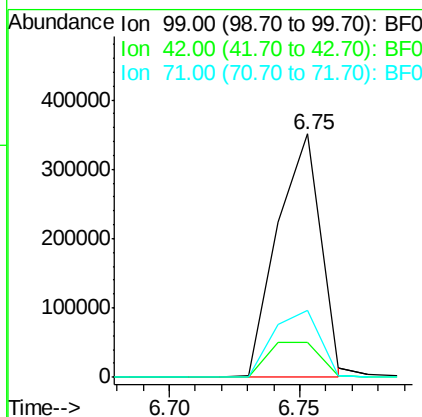
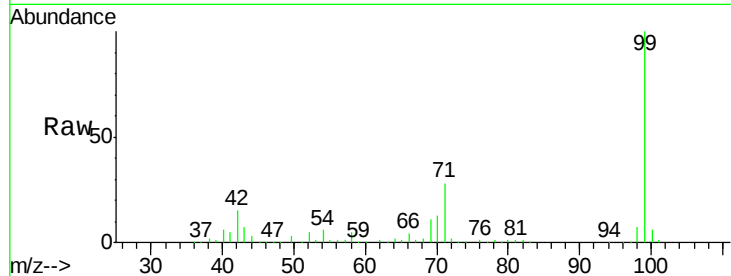
ClientSampleId :

WC-08-D1

Tot Ion:	99	Resp:	404836
Ion Ratio	Lower	Upper	
99	100		
42	14.6	17.1	25.7#
71	27.5	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.00 ng

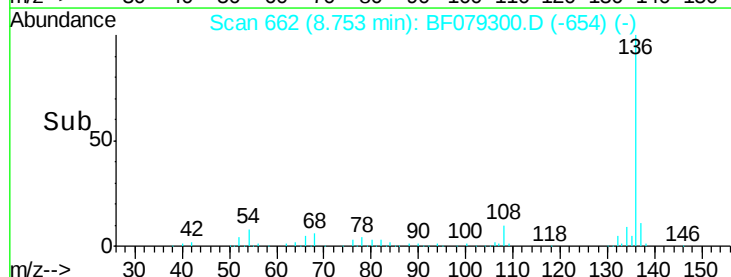
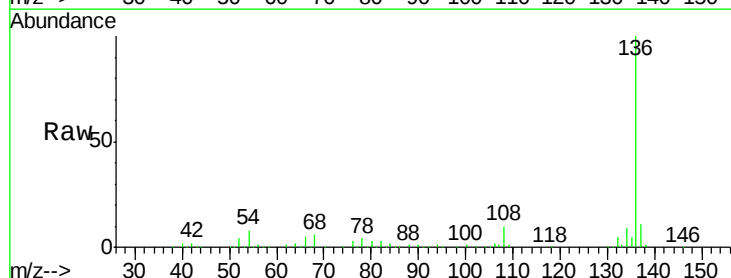
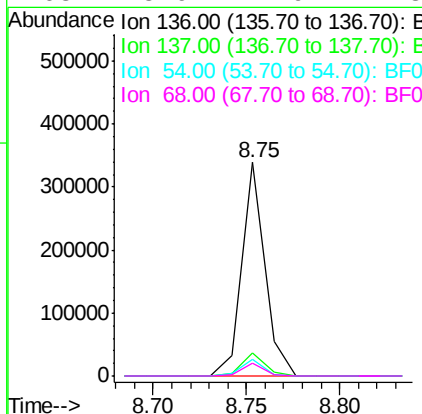
RT: 8.75 min Scan# 662

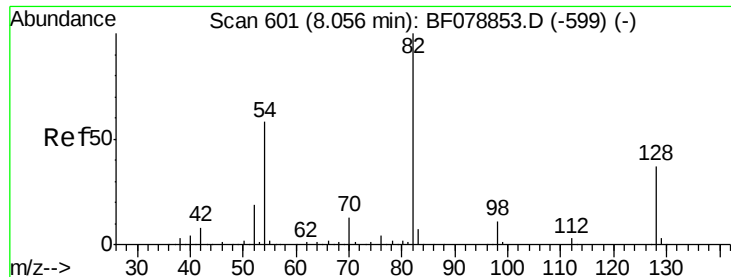
Delta R.T. 0.00 min

Lab File: BF079300.D

Acq: 16 May 2015 8:11

Tgt Ion:	136	Resp:	293545
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.8	13.2
54	7.6	6.9	10.3
68	5.9	4.9	7.3





#23

Nitrobenzene-d5

Concen: 47.06 ng

RT: 7.87 min Scan# 585

Delta R.T. 0.00 min

Lab File: BF079300.D

Acq: 16 May 2015 8:11

Instrument :

BNA_F

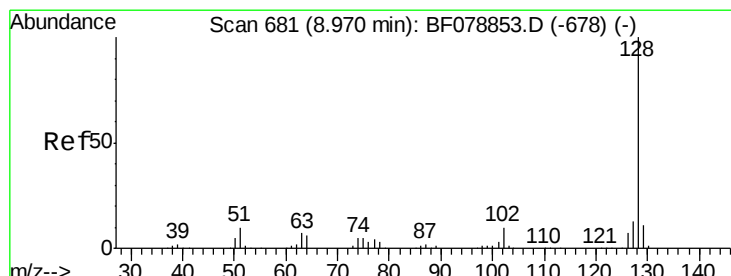
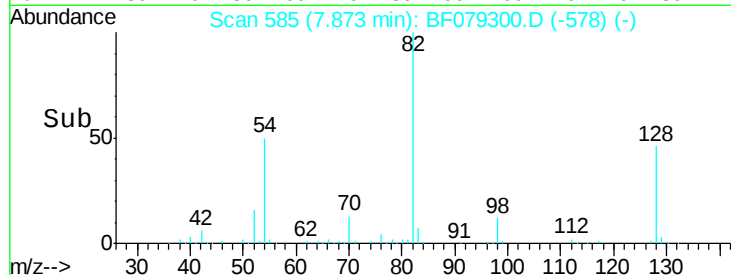
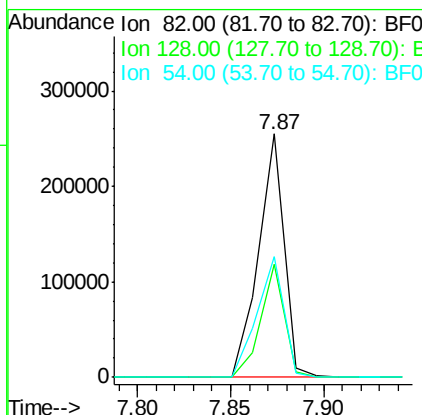
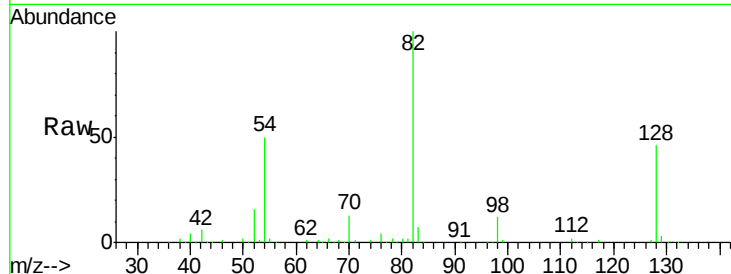
ClientSampled :

WC-08-D1

Tot Ion:	82	Resp:	240366
Ion Ratio	Lower	Upper	
82	100		
128	46.5	29.7	44.5#
54	49.7	46.2	69.4

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#31

Naphthalene

Concen: 30.77 ng

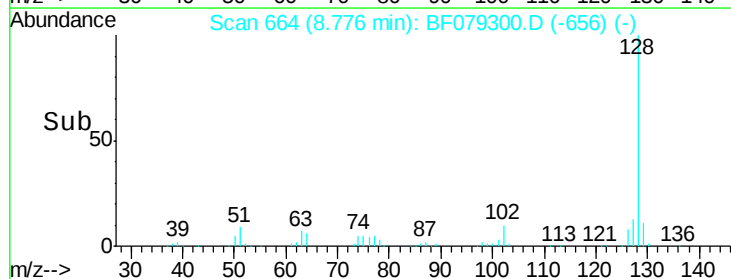
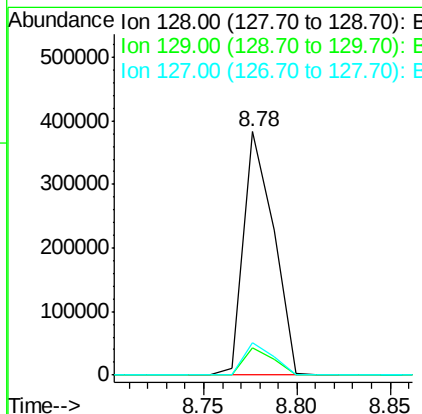
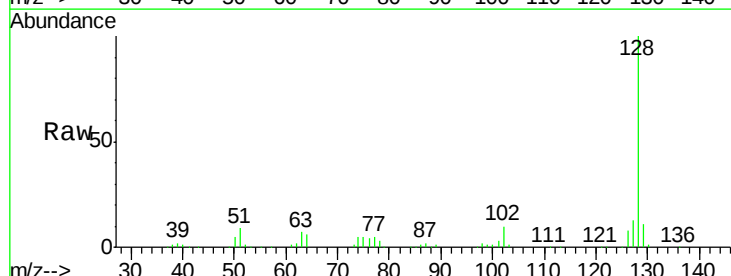
RT: 8.78 min Scan# 664

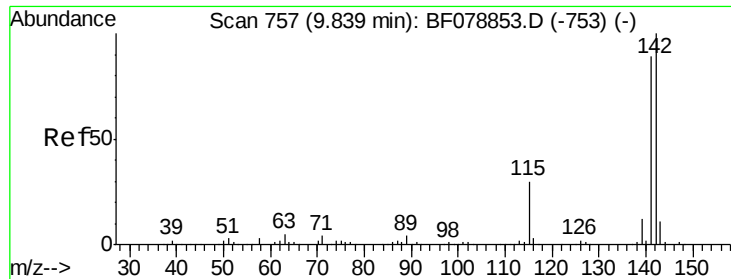
Delta R.T. 0.00 min

Lab File: BF079300.D

Acq: 16 May 2015 8:11

Tgt Ion:	128	Resp:	430412
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.2	13.8
127	13.2	10.3	15.5





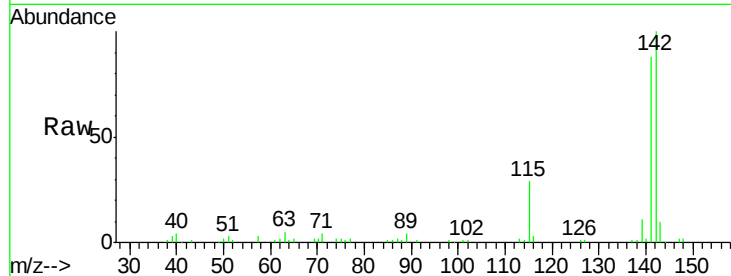
#37
2-Methylnaphthalene
Concen: 9.68 ng
RT: 9.64 min Scan# 740
Delta R.T. 0.00 min
Lab File: BF079300.D
Acq: 16 May 2015 8:11

Instrument :
BNA_F
ClientSampleID :
WC-08-D1

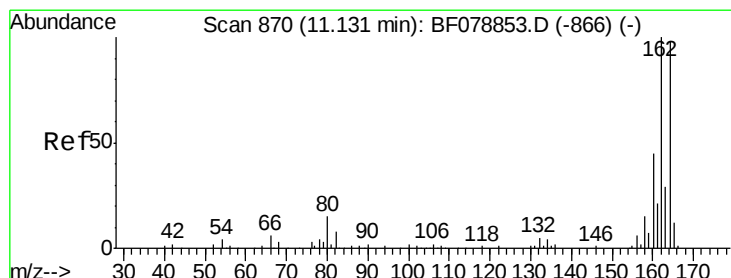
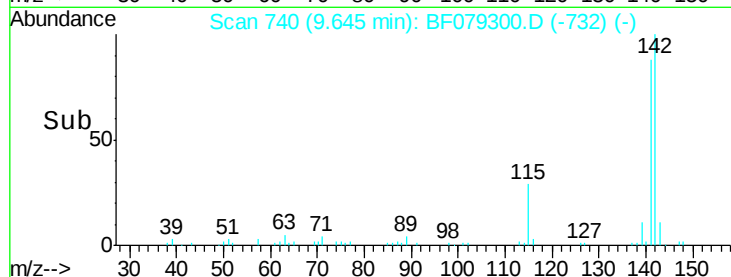
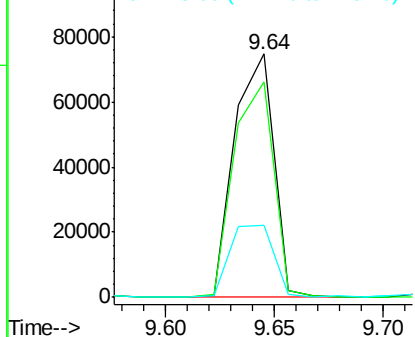
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.6	107.4
115	29.5	24.2	36.4

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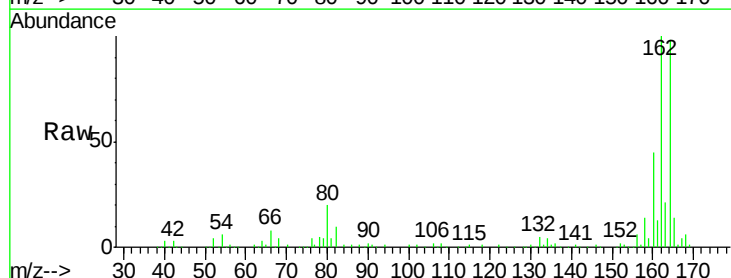


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

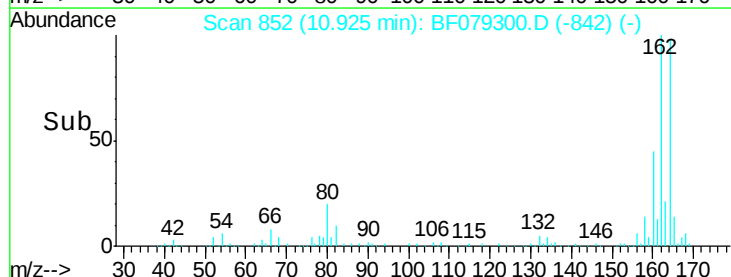
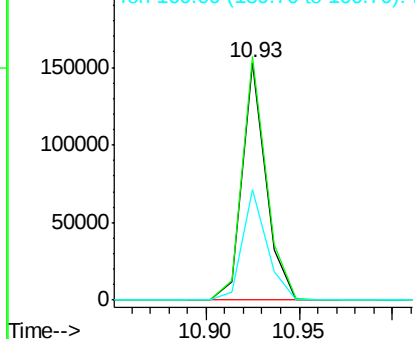


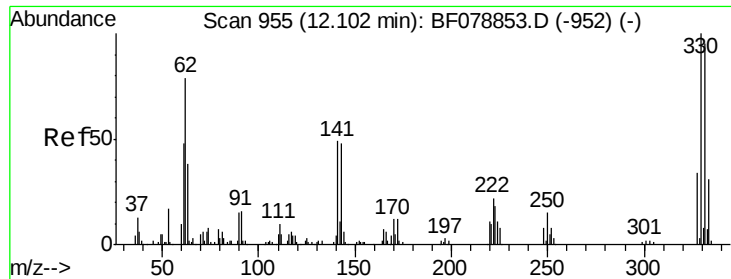
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.93 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF079300.D
Acq: 16 May 2015 8:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.4	122.0
160	46.5	36.6	54.8



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





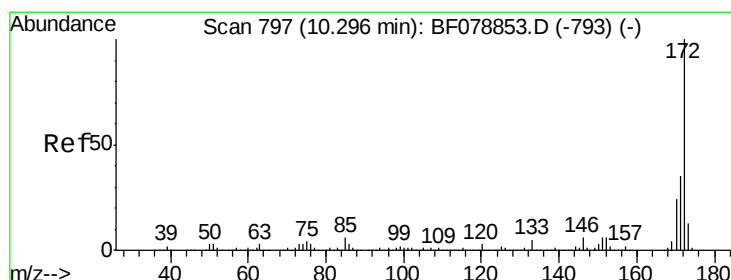
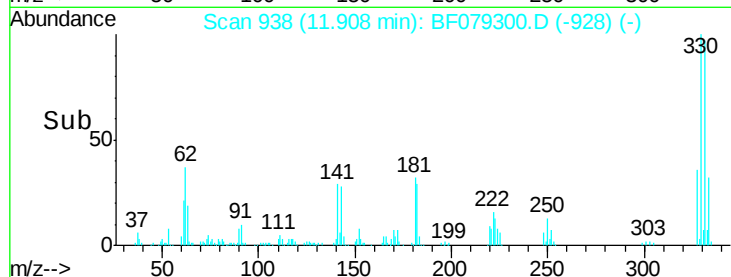
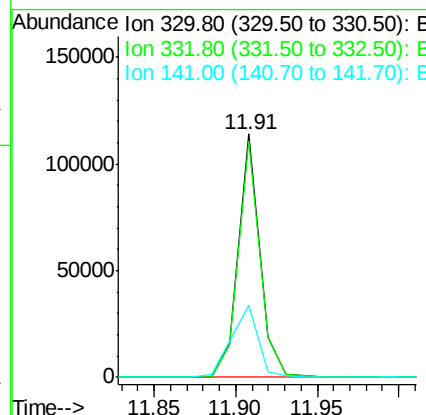
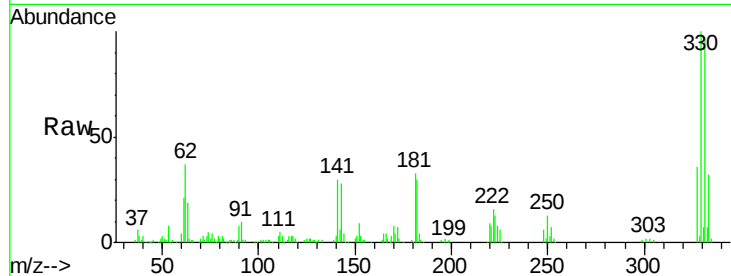
#41
 2,4,6-Tribromophenol
 Concen: 70.33 ng
 RT: 11.91 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: BF079300.D
 Acq: 16 May 2015 8:11

Instrument :
 BNA_F
 ClientSampleId :
 WC-08-D1

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.2	76.9	115.3	
141	37.4	27.8	41.8	

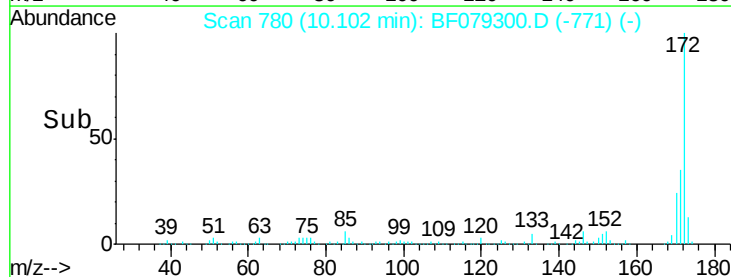
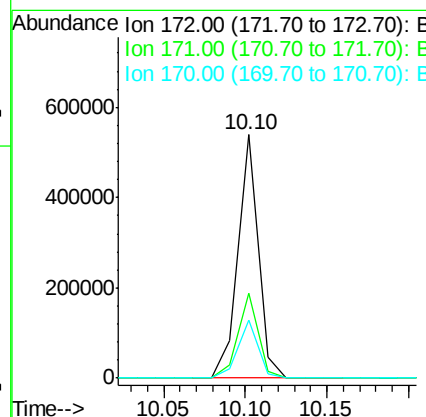
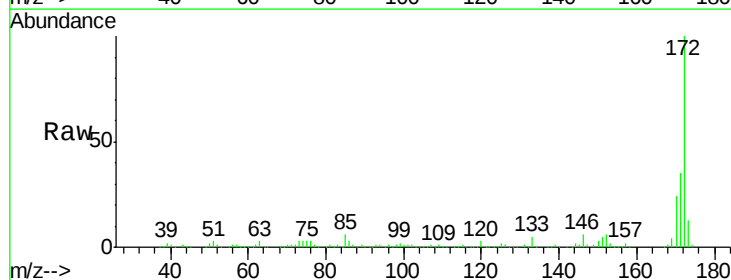
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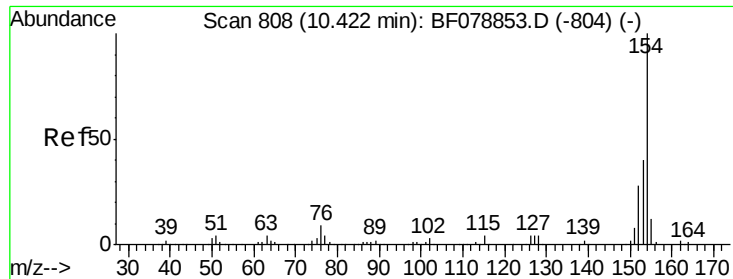
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#44
 2-Fluorobiphenyl
 Concen: 47.08 ng
 RT: 10.10 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: BF079300.D
 Acq: 16 May 2015 8:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.6	28.3	42.5	
170	23.9	19.4	29.2	





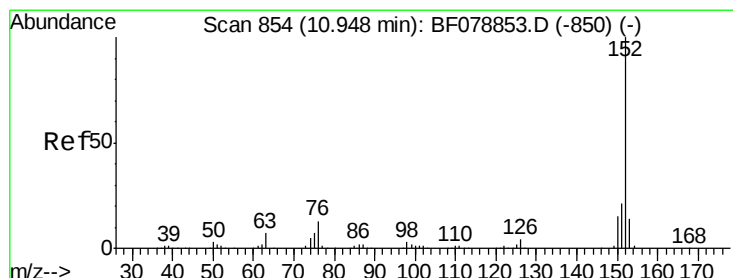
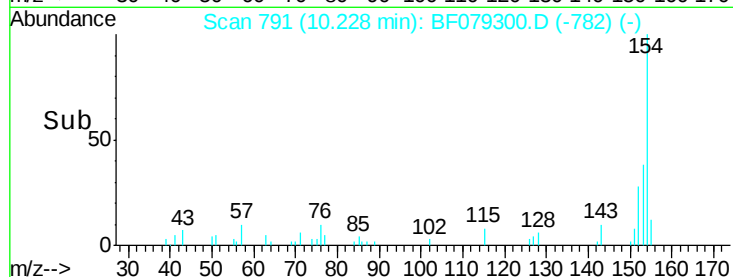
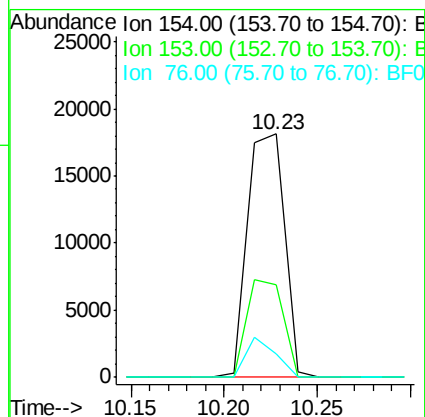
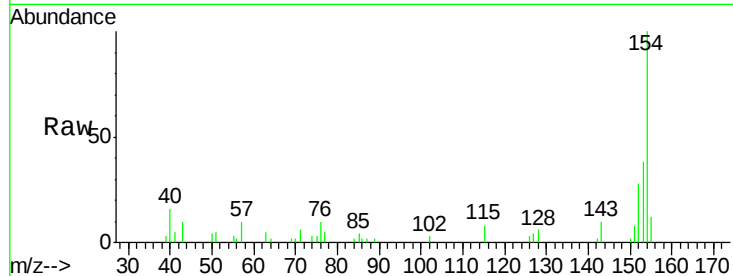
#45
1,1'-Biphenyl
Concen: 2.30 ng
RT: 10.23 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF079300.D
Acq: 16 May 2015 8:11

Instrument :
BNA_F
ClientSampleId :
WC-08-D1

Tot Ion	Ratio	Resp	Lower	Upper
154	100	24889		
153	38.2	19.7	59.7	
76	9.9	0.0	29.1	

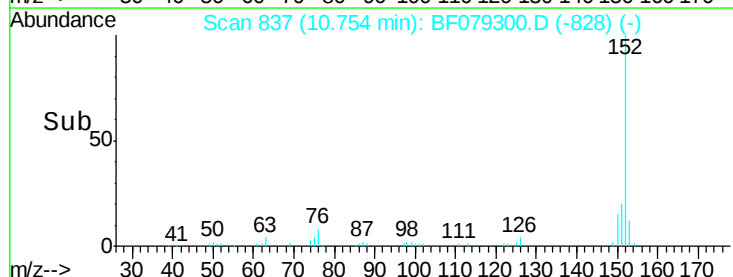
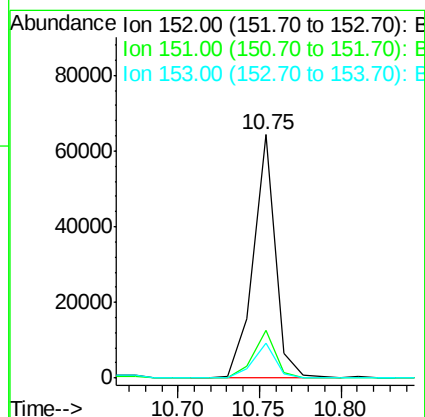
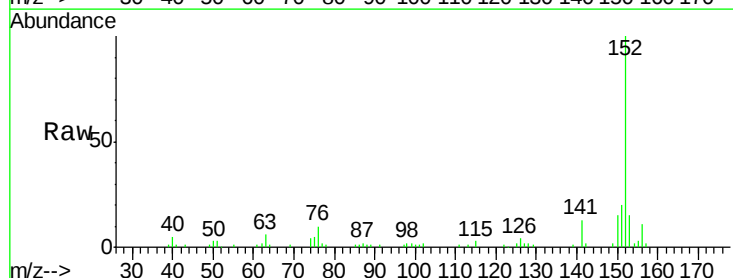
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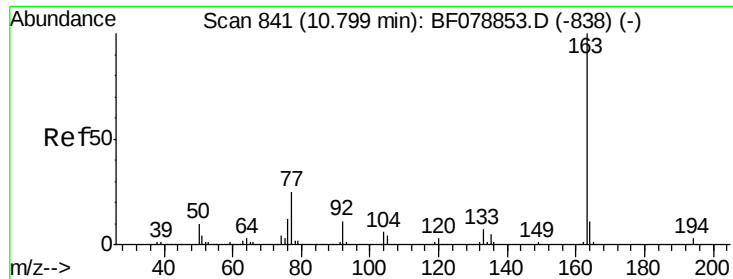
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#48
Acenaphthylene
Concen: 4.36 ng
RT: 10.75 min Scan# 837
Delta R.T. 0.00 min
Lab File: BF079300.D
Acq: 16 May 2015 8:11

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	60370		
151	19.8	16.6	24.8	
153	14.6	11.0	16.6	





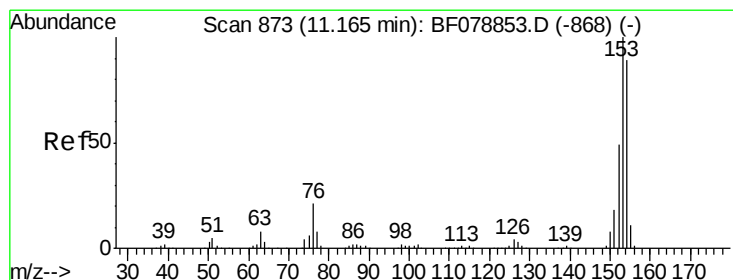
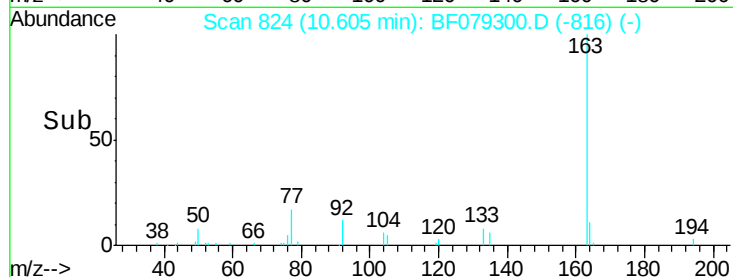
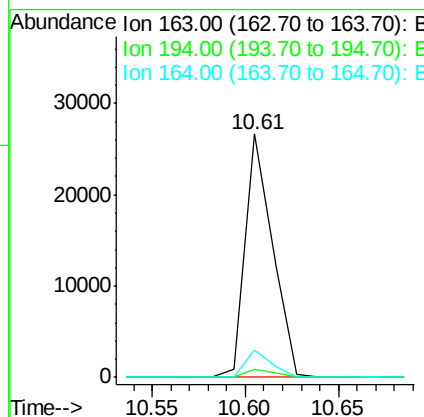
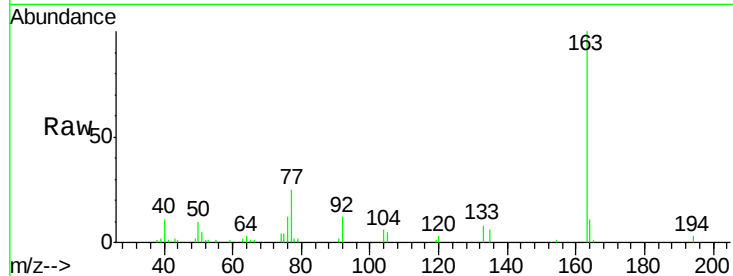
#49
Dimethylphthalate
Concen: 2.75 ng
RT: 10.61 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF079300.D
Acq: 16 May 2015 8:11

Instrument :
BNA_F
ClientSampleId :
WC-08-D1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	27415		
194	3.2		2.4	3.6
164	11.3		8.6	12.8

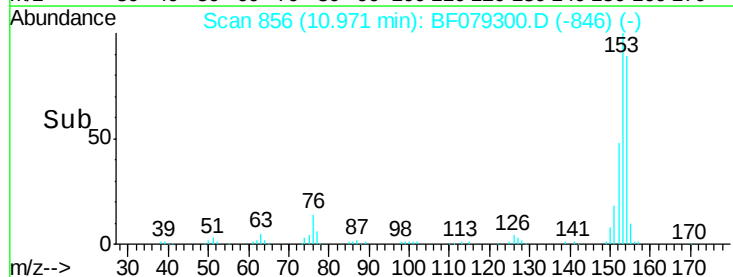
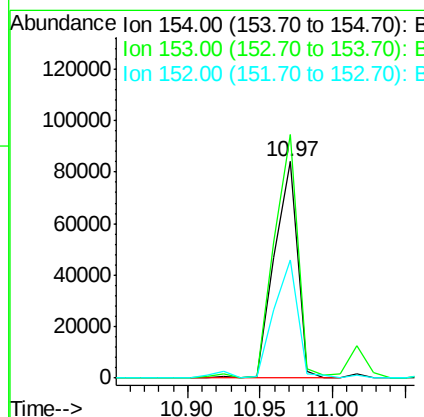
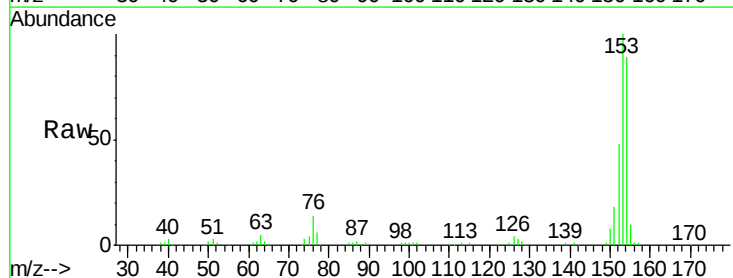
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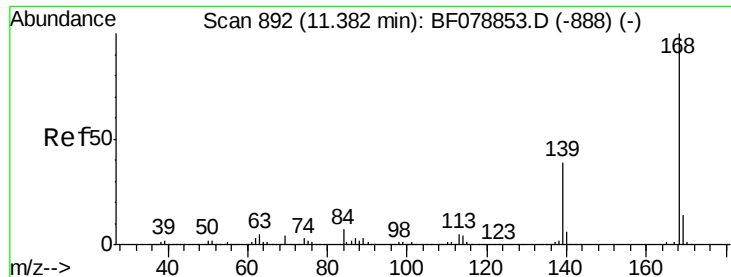
apatel
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#51
Acenaphthene
Concen: 11.30 ng
RT: 10.97 min Scan# 856
Delta R.T. 0.00 min
Lab File: BF079300.D
Acq: 16 May 2015 8:11

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	93340		
153	112.7		90.2	135.2
152	54.6		43.8	65.8





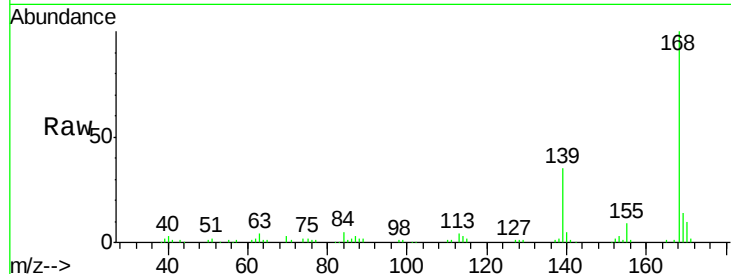
#54
Dibenzenofuran
Concen: 9.49 ng
RT: 11.19 min Scan# 875
Delta R.T. 0.00 min
Lab File: BF079300.D
Acq: 16 May 2015 8:11

Instrument :
BNA_F
ClientSampleId :
WC-08-D1

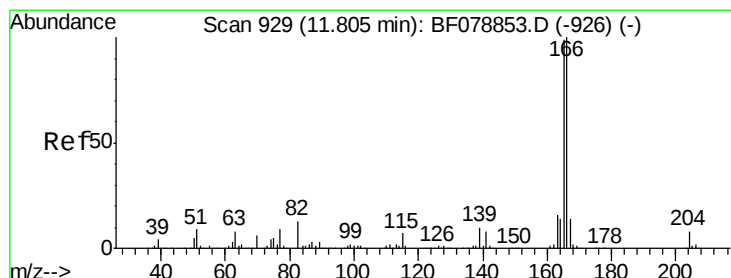
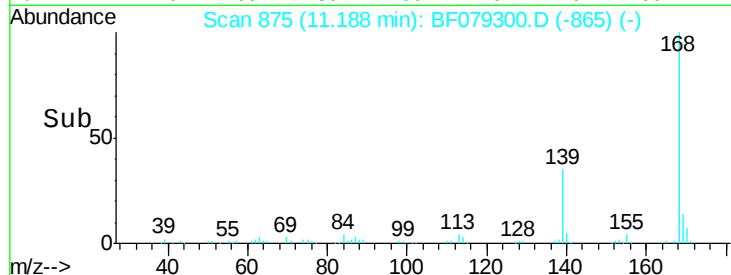
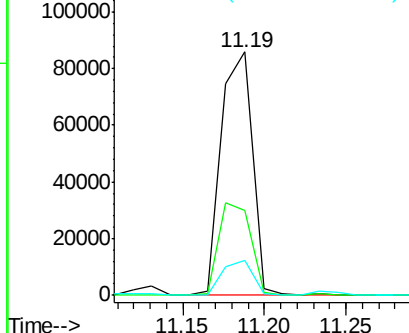
Tot Ion	Ratio	Resp	Lower	Upper
168	100	113268		
139	35.1		31.5	47.3
169	14.4		11.0	16.4

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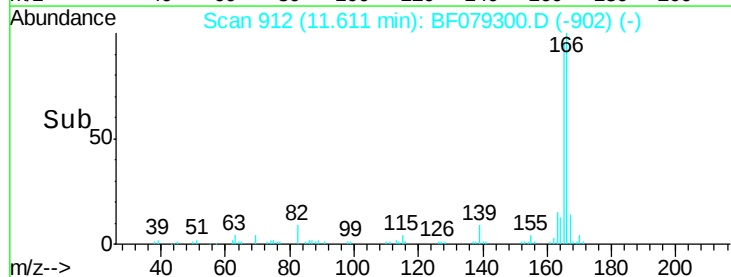
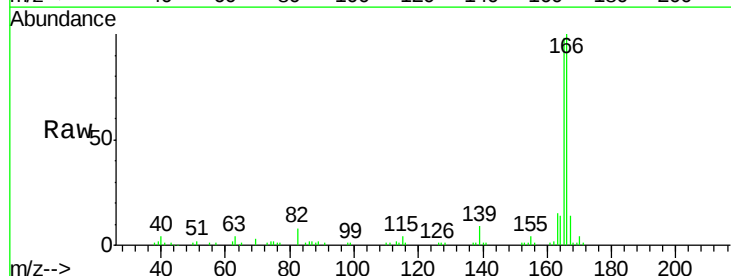
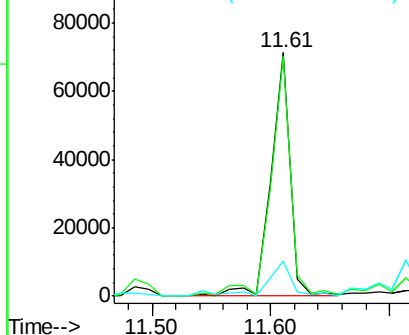
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

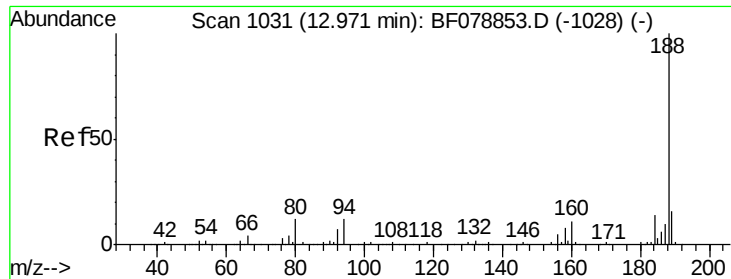


#57
Fluorene
Concen: 8.14 ng
RT: 11.61 min Scan# 912
Delta R.T. 0.00 min
Lab File: BF079300.D
Acq: 16 May 2015 8:11

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	79716		
165	98.4		79.5	119.3
167	14.4		11.0	16.6

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





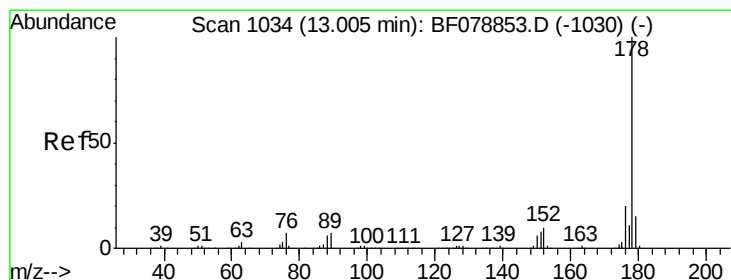
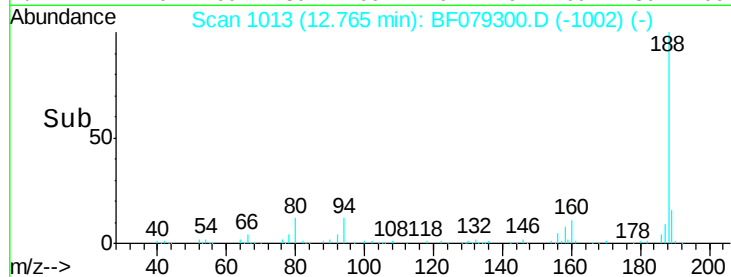
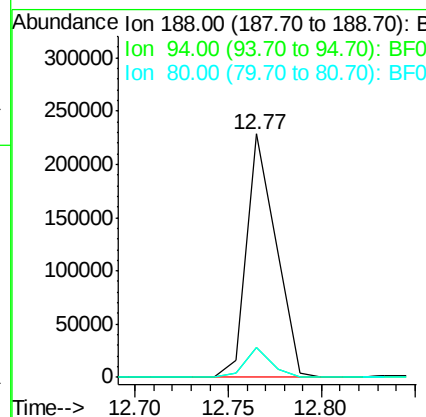
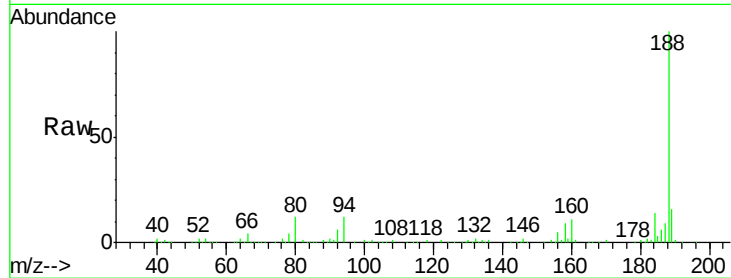
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.77 min Scan# 1013
Delta R.T. 0.00 min
Lab File: BF079300.D
Acq: 16 May 2015 8:11

Instrument :
BNA_F
ClientSampleId :
WC-08-D1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	250111		
94	12.1		9.4	14.0
80	12.1		9.8	14.6

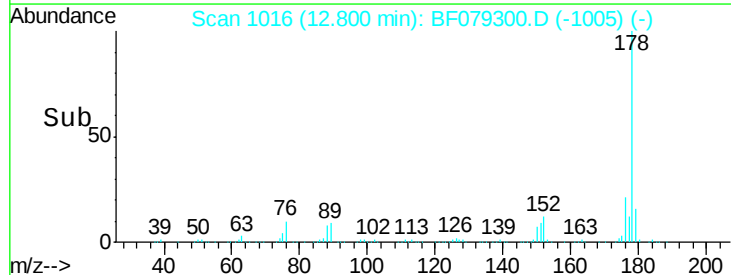
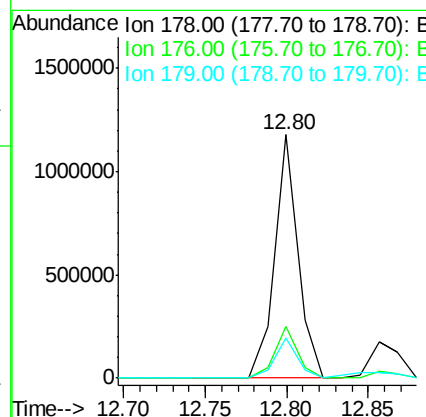
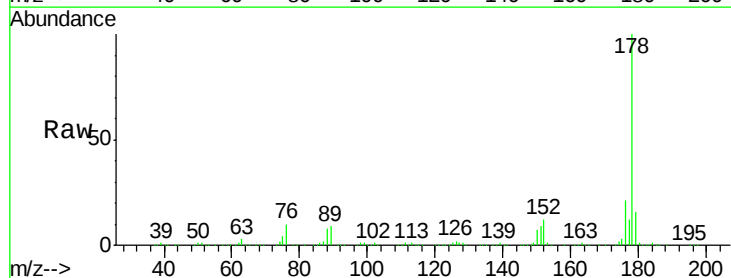
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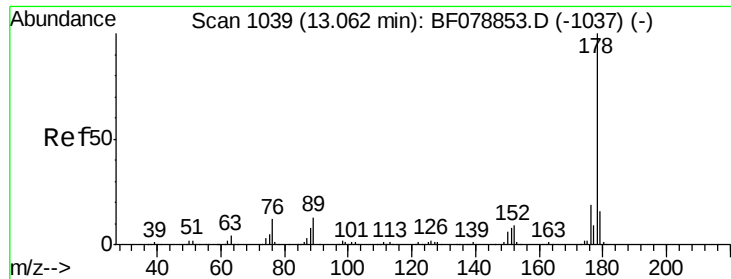
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#70
Phenanthrene
Concen: 84.26 ng
RT: 12.80 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BF079300.D
Acq: 16 May 2015 8:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1178920		
176	21.3		15.9	23.9
179	16.4		12.2	18.4





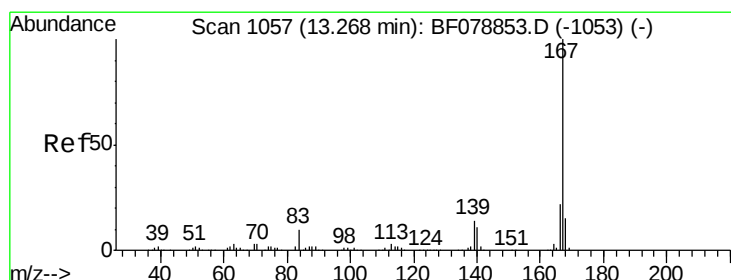
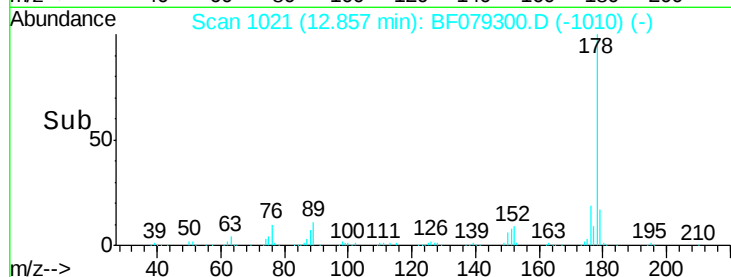
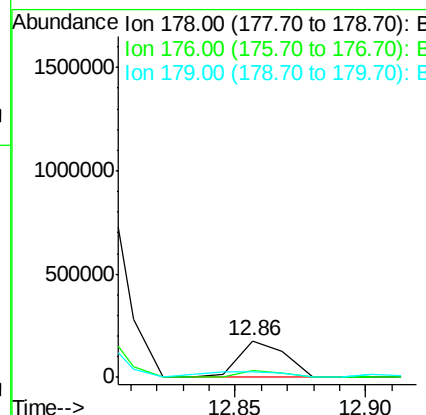
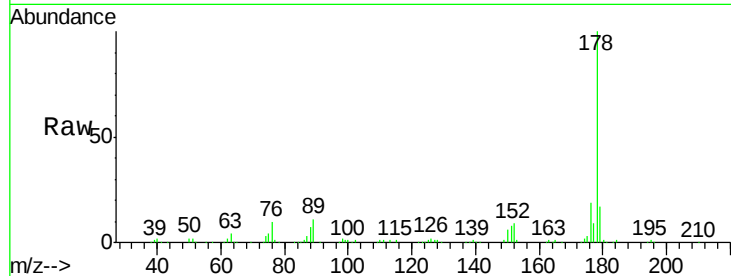
#71
 Anthracene
 Concen: 15.62 ng
 RT: 12.86 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BF079300.D
 Acq: 16 May 2015 8:11

Instrument :
 BNA_F
 ClientSampleId :
 WC-08-D1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	16.6	12.6	19.0

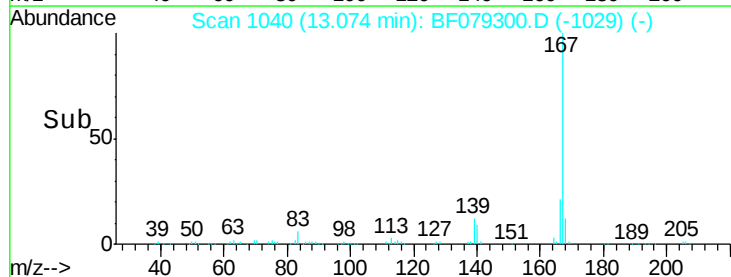
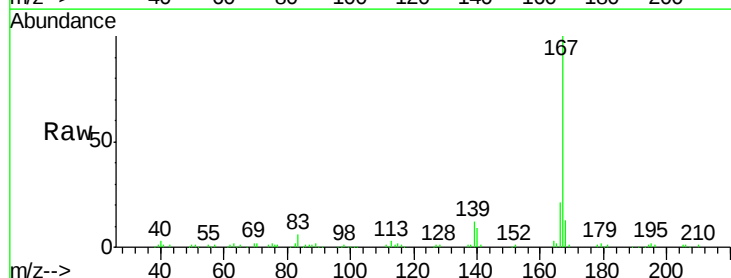
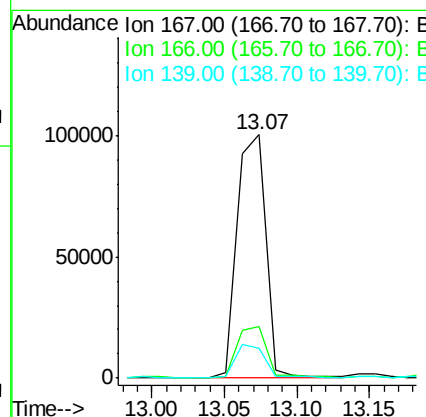
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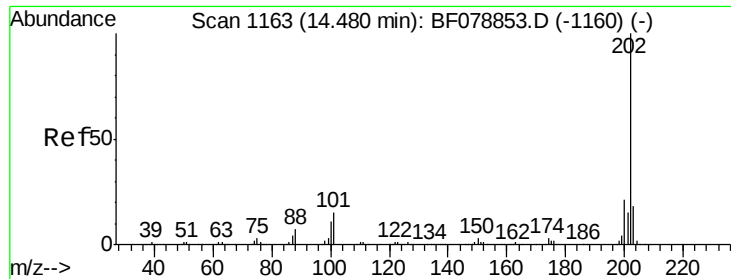
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#72
 Carbazole
 Concen: 10.57 ng
 RT: 13.07 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: BF079300.D
 Acq: 16 May 2015 8:11

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.5	26.3
139	12.3	11.0	16.4





#74

Fluoranthene

Concen: 97.57 ng

RT: 14.27 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BF079300.D

Acq: 16 May 2015 8:11

Instrument :

BNA_F

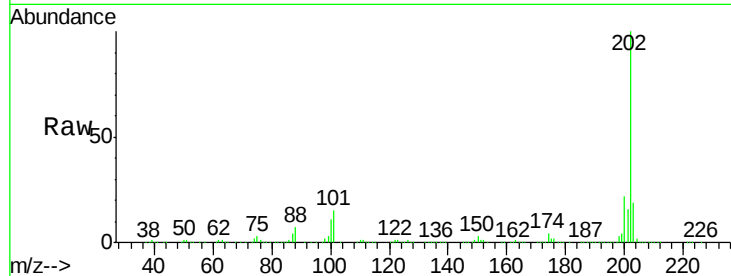
ClientSampled :

WC-08-D1

Tot Ion:	202	Resp:	1422562
Ion Ratio	Lower	Upper	
202	100		
101	15.4	0.0	34.7
203	18.8	0.0	37.9

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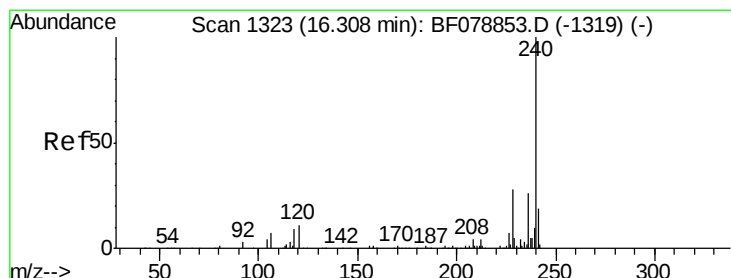
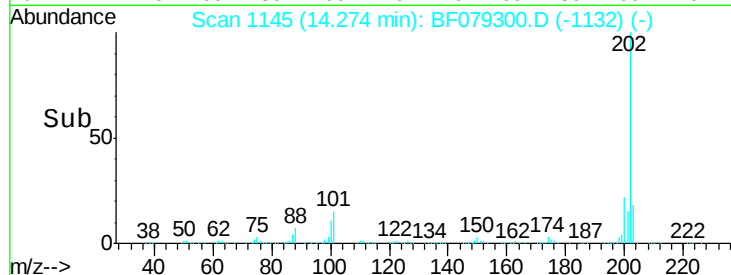
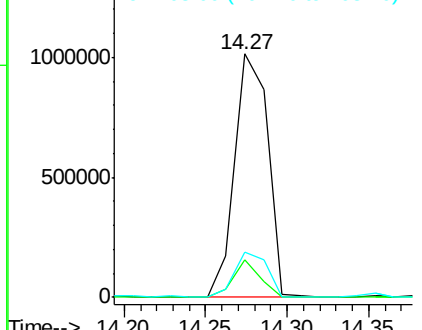
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.07 min Scan# 1302

Delta R.T. 0.01 min

Lab File: BF079300.D

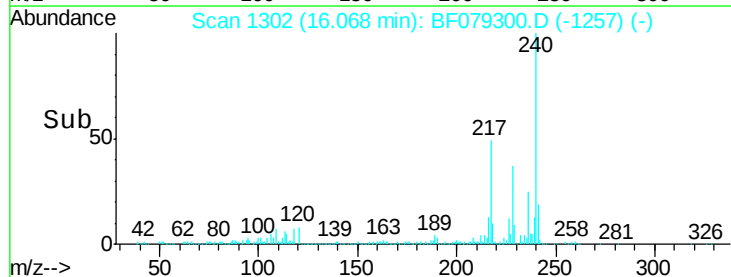
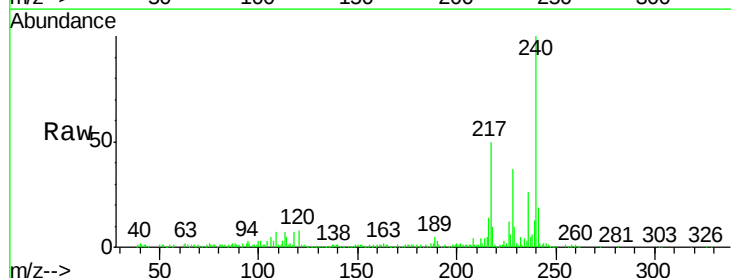
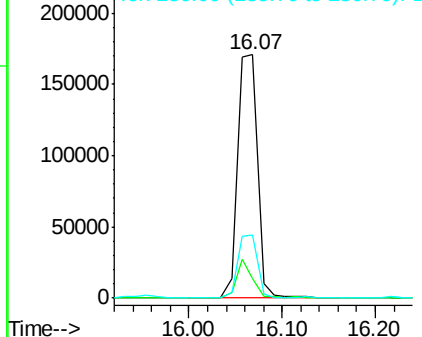
Acq: 16 May 2015 8:11

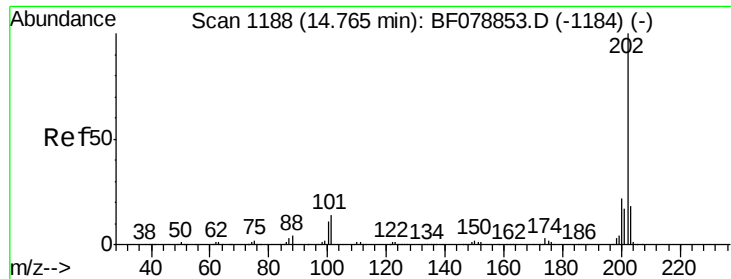
Tgt Ion:	240	Resp:	255617
Ion Ratio	Lower	Upper	
240	100		
120	8.0	8.6	12.8#
236	26.0	21.0	31.6

Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 89.18 ng

RT: 14.56 min Scan# 1170

Delta R.T. 0.01 min

Lab File: BF079300.D

Acq: 16 May 2015 8:11

Instrument :

BNA_F

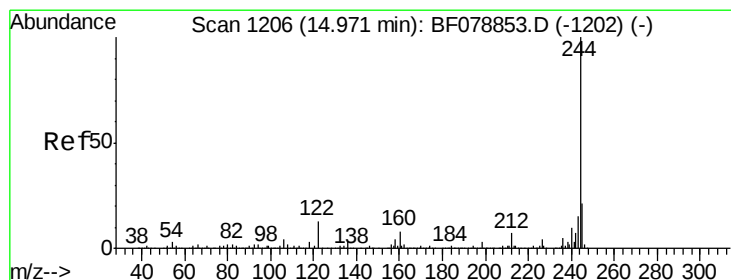
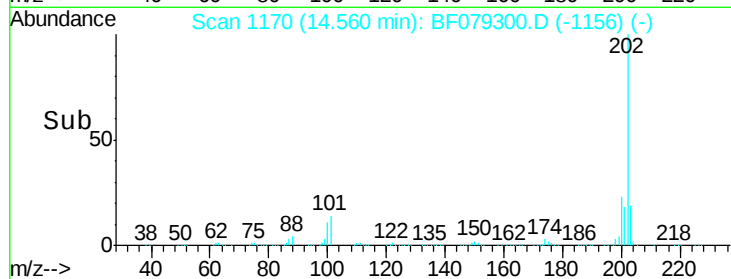
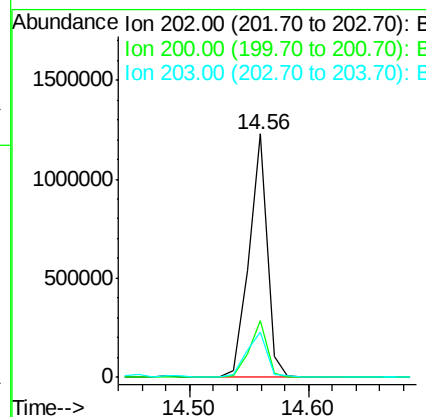
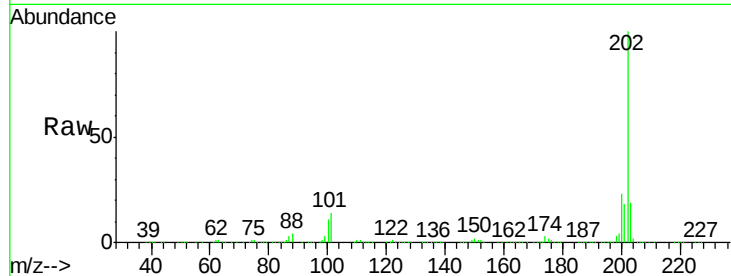
ClientSampleId :

WC-08-D1

Tot Ion:	202	Resp:	1313627
Ion Ratio	Lower	Upper	
202	100		
200	23.2	17.5	26.3
203	18.7	14.7	22.1

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#78

Terphenyl-d14

Concen: 47.31 ng

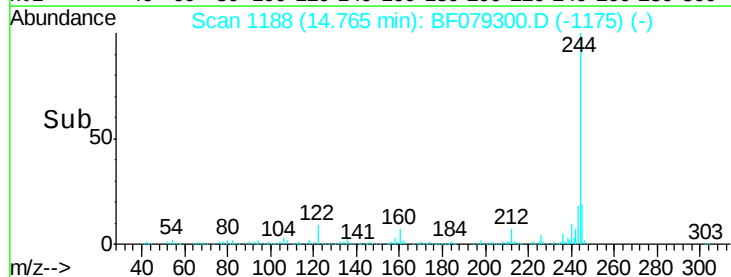
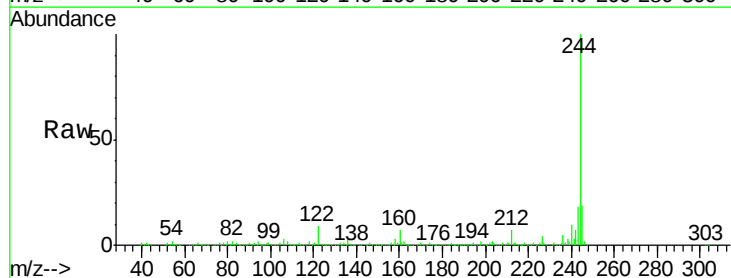
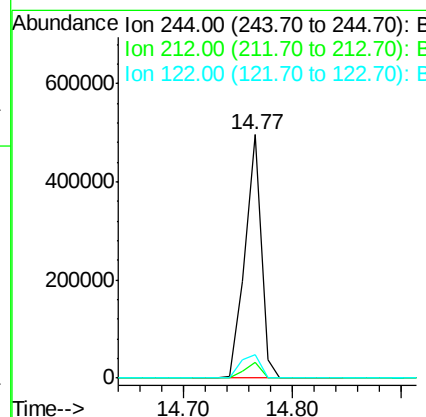
RT: 14.77 min Scan# 1188

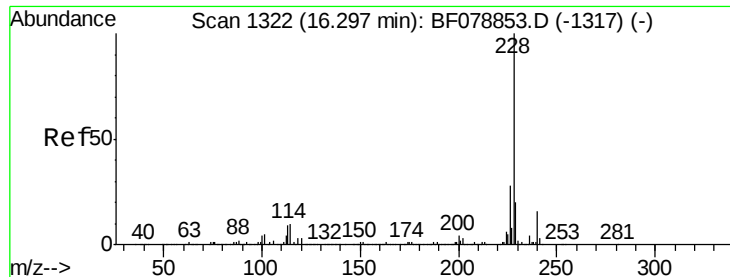
Delta R.T. 0.00 min

Lab File: BF079300.D

Acq: 16 May 2015 8:11

Tgt Ion:	244	Resp:	505121
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.6	8.4
122	9.5	10.5	15.7#





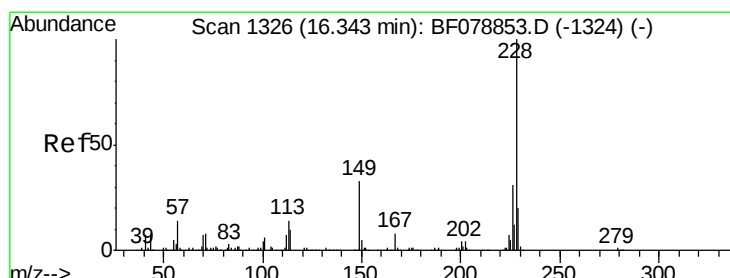
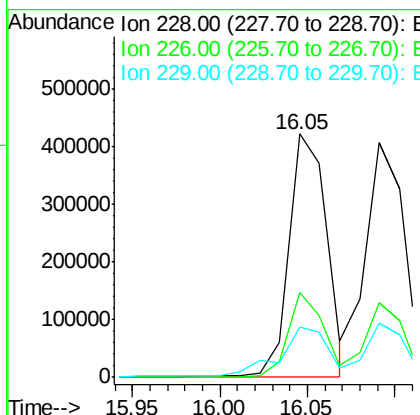
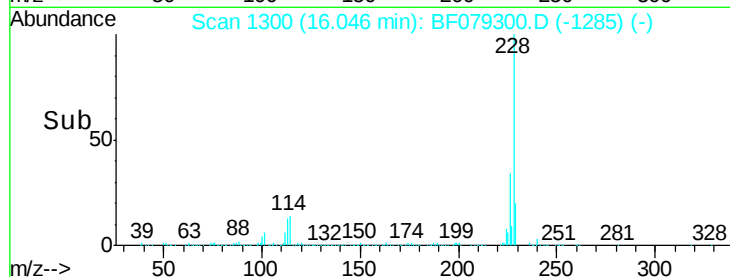
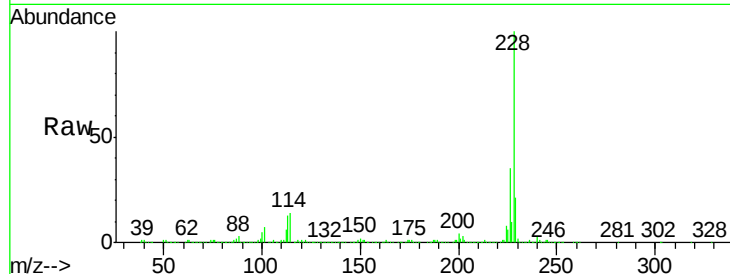
#80
Benzo(a)anthracene
Concen: 45.69 ng/mL
RT: 16.05 min Scan# 1300
Delta R.T. 0.01 min
Lab File: BF079300.D
Acq: 16 May 2015 8:11

Instrument :
BNA_F
ClientSampleID :
WC-08-D1

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.8	22.3	33.5
229	20.9	16.1	24.1

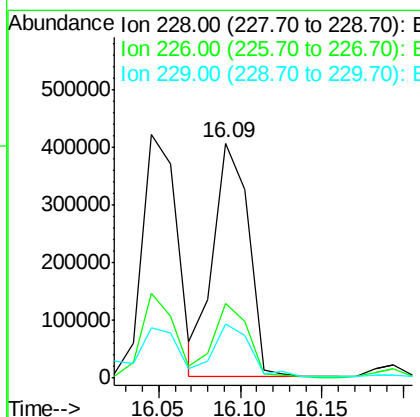
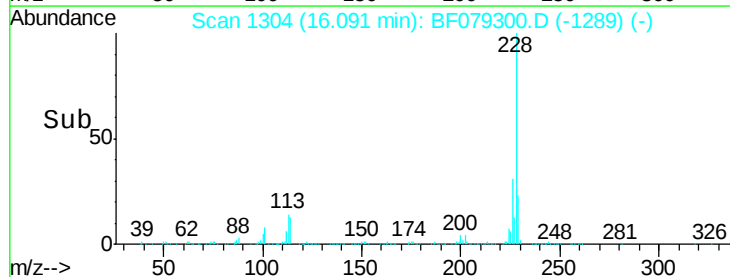
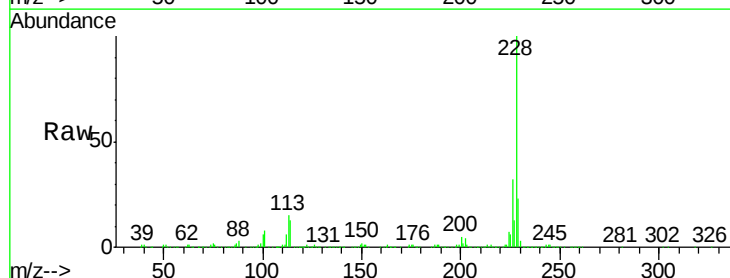
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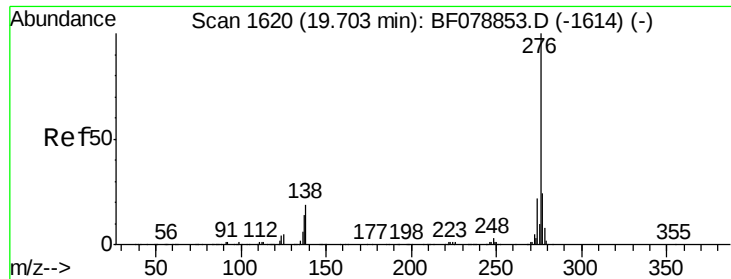
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#82
Chrysene
Concen: 44.85 ng/mL
RT: 16.09 min Scan# 1304
Delta R.T. 0.01 min
Lab File: BF079300.D
Acq: 16 May 2015 8:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.8	37.2
229	22.9	16.1	24.1





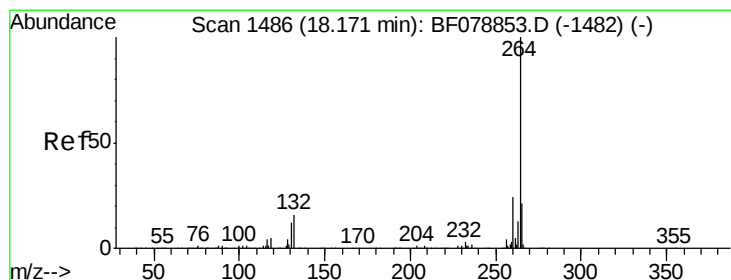
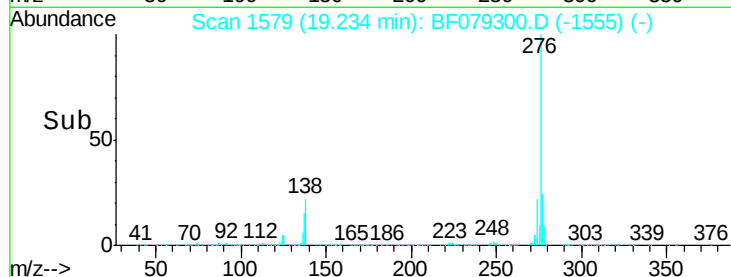
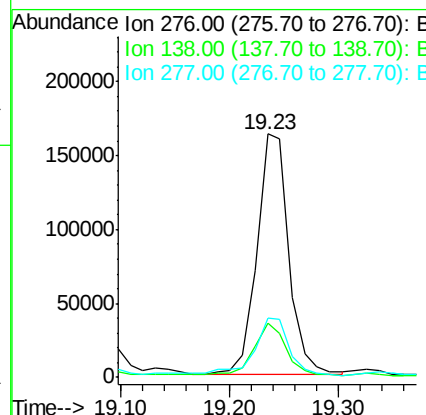
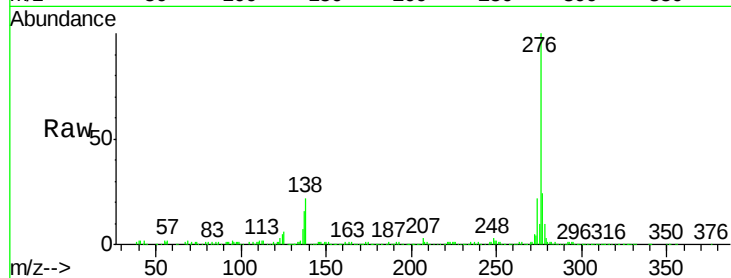
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 19.27 ng
 RT: 19.23 min Scan# 1579
 Delta R.T. 0.07 min
 Lab File: BF079300.D
 Acq: 16 May 2015 8:11

Instrument :
 BNA_F
 ClientSampleId :
 WC-08-D1

Tot Ion:	276	Resp:	330578
Ion Ratio		Lower	Upper
276	100		
138	21.8	21.1	31.7
277	27.6	19.9	29.9

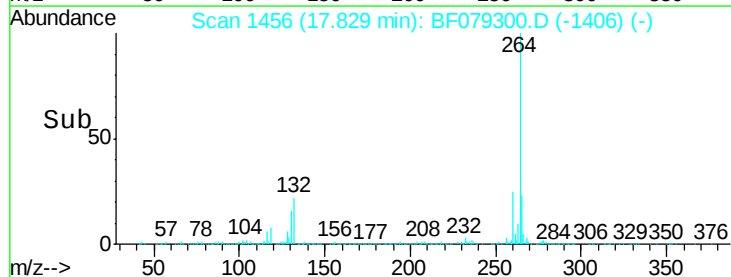
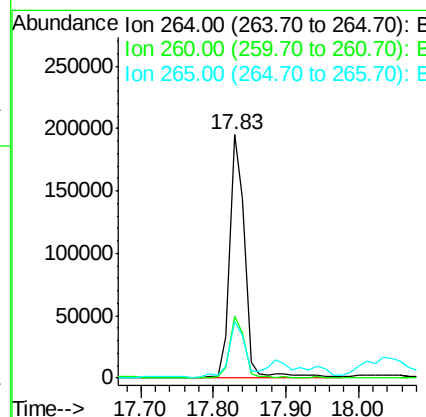
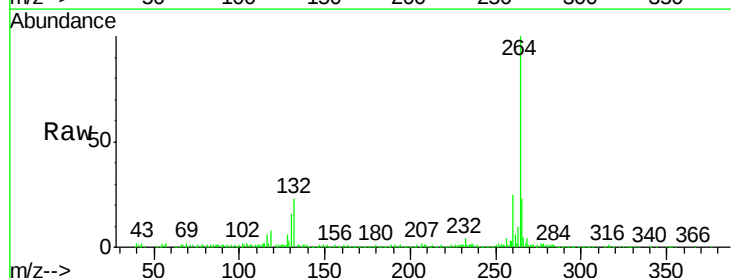
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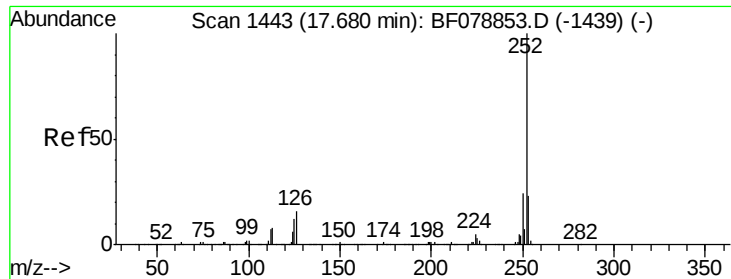
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.83 min Scan# 1456
 Delta R.T. 0.07 min
 Lab File: BF079300.D
 Acq: 16 May 2015 8:11

Tgt Ion:	264	Resp:	279190
Ion Ratio		Lower	Upper
264	100		
260	25.2	19.2	28.8
265	23.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 48.33 ng m

RT: 17.38 min Scan# 1417

Delta R.T. 0.06 min

Lab File: BF079300.D

Acq: 16 May 2015 8:11

Instrument :

BNA_F

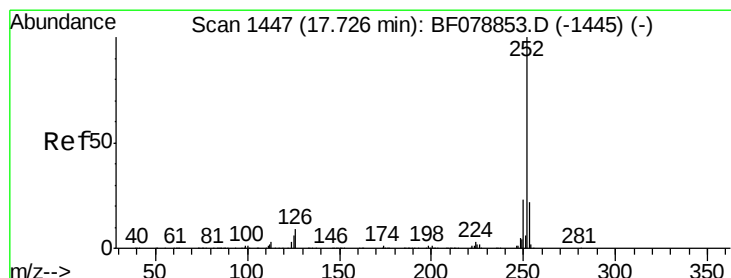
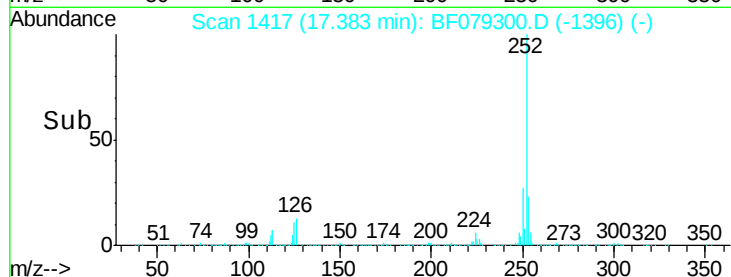
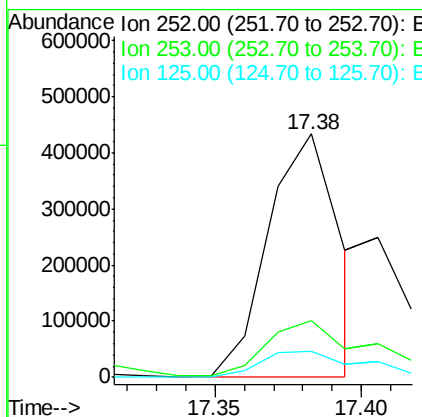
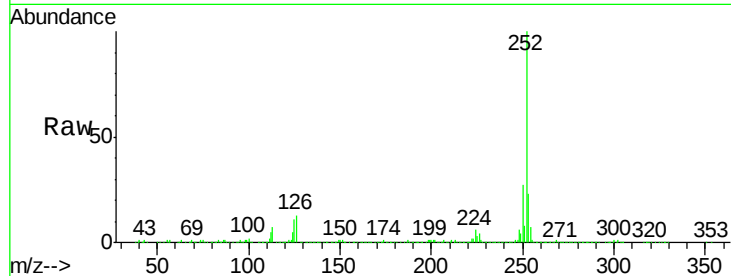
ClientSampleId :

WC-08-D1

Tot Ion	Ratio	Resp	Lower	Upper
252	100	738585		
253	23.1		18.1	27.1
125	10.7		9.4	14.2

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 18.00 ng m

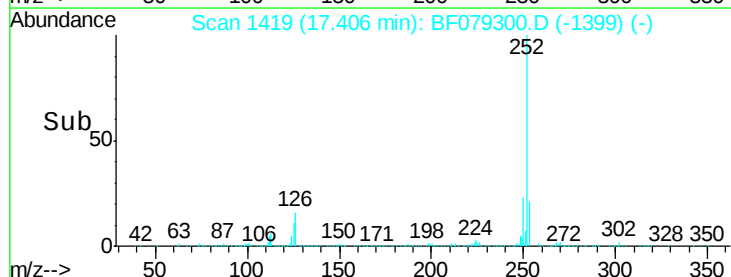
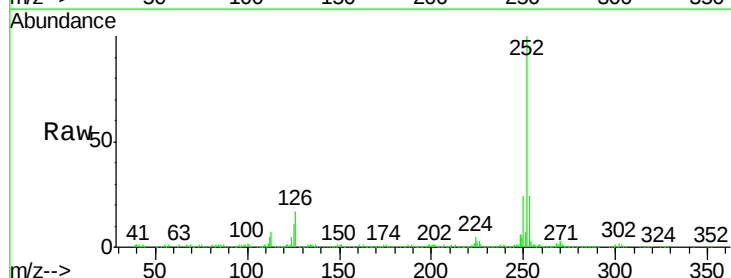
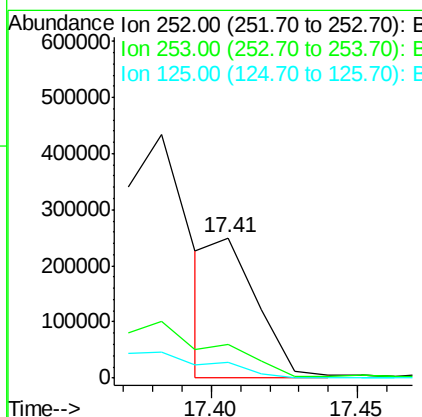
RT: 17.41 min Scan# 1419

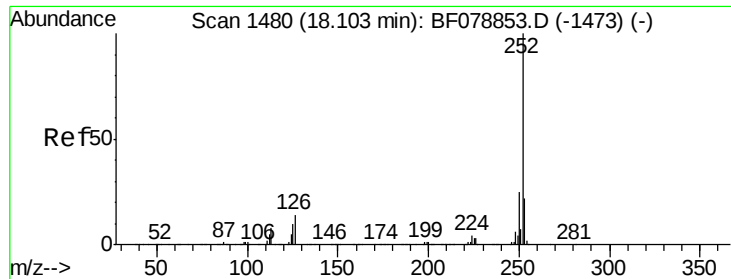
Delta R.T. 0.05 min

Lab File: BF079300.D

Acq: 16 May 2015 8:11

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	266272		
253	23.6		17.4	26.0
125	11.1		6.1	9.1#





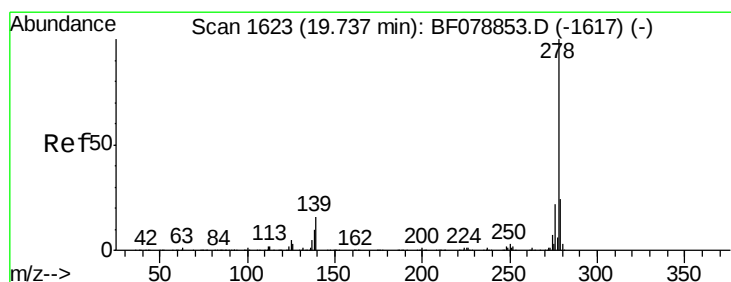
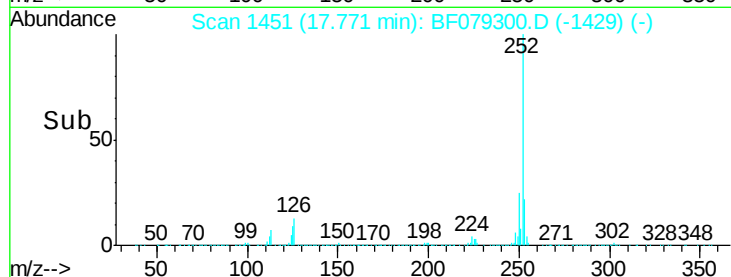
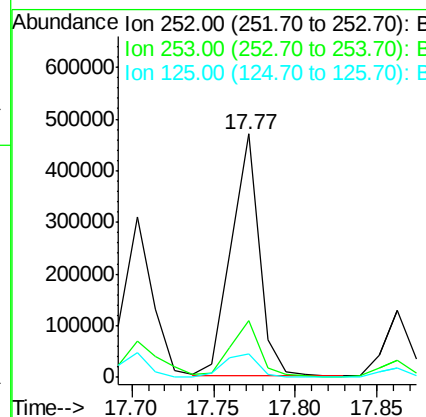
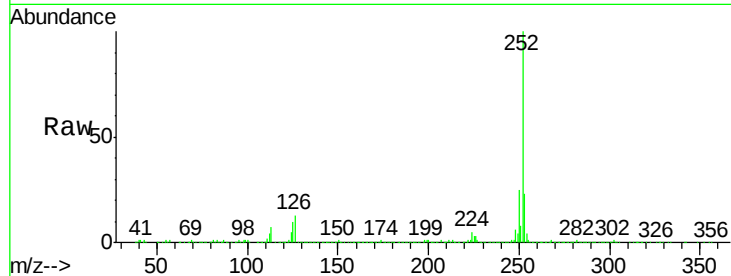
#89
Benzo(a)pyrene
Concen: 39.33 ng
RT: 17.77 min Scan# 1451
Delta R.T. 0.07 min
Lab File: BF079300.D
Acq: 16 May 2015 8:11

Instrument :
BNA_F
ClientSampleId :
WC-08-D1

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.2	18.0	27.0
125	9.6	8.2	12.2

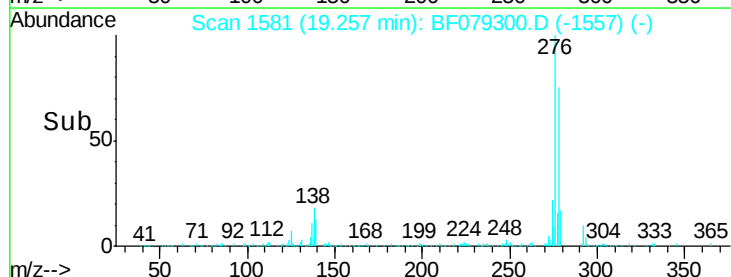
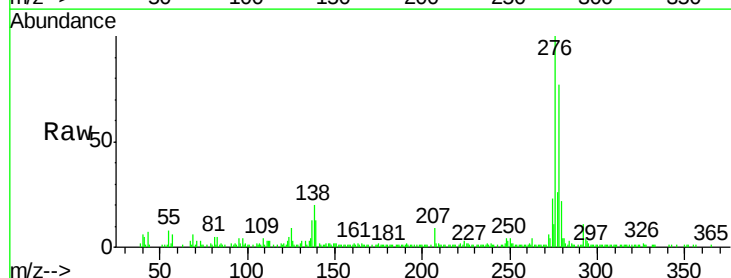
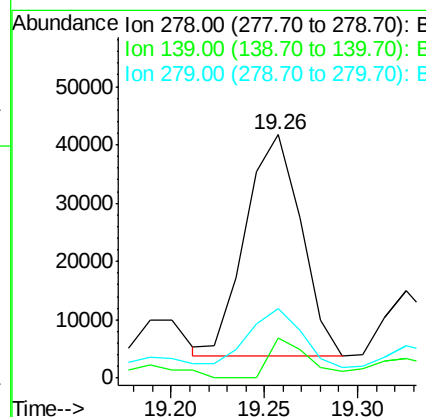
Manual Integrations
APPROVED

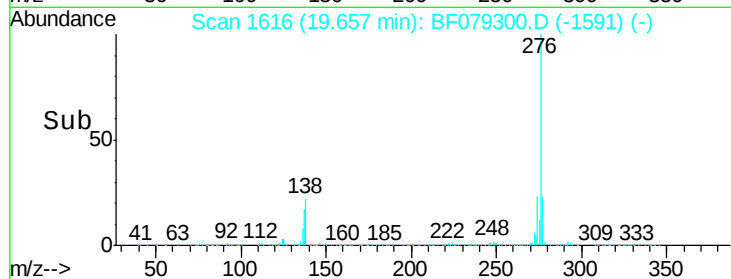
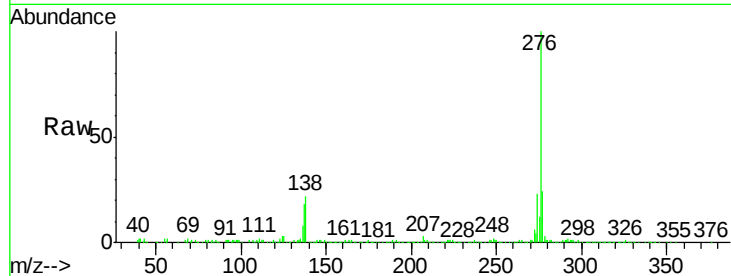
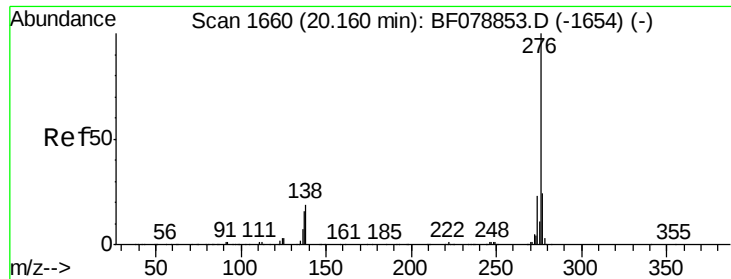
apatel
5/18/2015 3:42:19 PM



#90
Dibenzo(a,h)anthracene
Concen: 5.26 ng
RT: 19.26 min Scan# 1581
Delta R.T. 0.07 min
Lab File: BF079300.D
Acq: 16 May 2015 8:11

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	16.5	13.1	19.7
279	28.5	19.1	28.7





#91

Benzo(a,h,i)perylene

Concen: 21.55 ng

RT: 19.66 min Scan# 1616

Delta R.T. 0.08 min

Lab File: BF079300.D

Acq: 16 May 2015 8:11

Tot Ion:	276	Resp:	323004
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.8	28.2
138	21.9	15.2	22.8

Instrument :

BNA_F

ClientSampleId :

WC-08-D1

Manual Integrations
APPROVED

apatel
5/18/2015 3:42:19 PM

