

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
 Data File : BF079034.D
 Acq On : 8 May 2015 11:23
 Operator : TP/IZ
 Sample : G2130-03
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-A22B-WC

Manual Integrations
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Quant Time: May 08 13:02:53 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 30 19:07:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	54228	20.00	ng	-0.02
21) Naphthalene-d8	8.92	136	228570	20.00	ng	-0.02
38) Acenaphthene-d10	11.10	164	119082	20.00	ng	-0.03
63) Phenanthrene-d10	12.95	188	239621	20.00	ng	-0.02
75) Chrysene-d12	16.29	240	261230	20.00	ng	-0.01
86) Perylene-d12	18.19	264	289213	20.00	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	40084	12.72	ng	-0.02
7) Phenol-d6	6.90	99	57154	13.73	ng	-0.02
23) Nitrobenzene-d5	8.03	82	29800	7.49	ng	-0.03
41) 2,4,6-Tribromophenol	12.08	330	14849	11.53	ng	-0.03
44) 2-Fluorobiphenyl	10.26	172	68434	8.01	ng	-0.03
78) Terphenyl-d14	14.95	244	80708	7.40	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.95	128	25191	2.31	ng	99
48) Acenaphthylene	10.92	152	24810	2.05	ng	99
51) Acenaphthene	11.13	154	31324	4.33	ng	96
54) Dibenzofuran	11.35	168	37220	3.56	ng	98
57) Fluorene	11.78	166	36708	4.28	ng	97
70) Phenanthrene	12.97	178	620218	46.27	ng	100
71) Anthracene	13.04	178	167781	12.76	ng	98
72) Carbazole	13.25	167	49419	3.94	ng	99
74) Fluoranthene	14.46	202	852073	61.00	ng	99
77) Pyrene	14.74	202	781538	51.92	ng	99
80) Benzo(a)anthracene	16.27	228	419981	29.36	ng	98
82) Chrysene	16.32	228	336112	24.43	ng	97
85) Indeno(1,2,3-cd)pyrene	19.73	276	198863m	11.34	ng	
87) Benzo(b)fluoranthene	17.69	252	427129m	26.98	ng	
88) Benzo(k)fluoranthene	17.73	252	162367m	10.59	ng	
89) Benzo(a)pyrene	18.11	252	338291	23.21	ng	# 93
90) Dibenzo(a,h)anthracene	19.75	278	44808	2.89	ng	# 91
91) Benzo(g,h,i)perylene	20.17	276	187879	12.10	ng	97

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

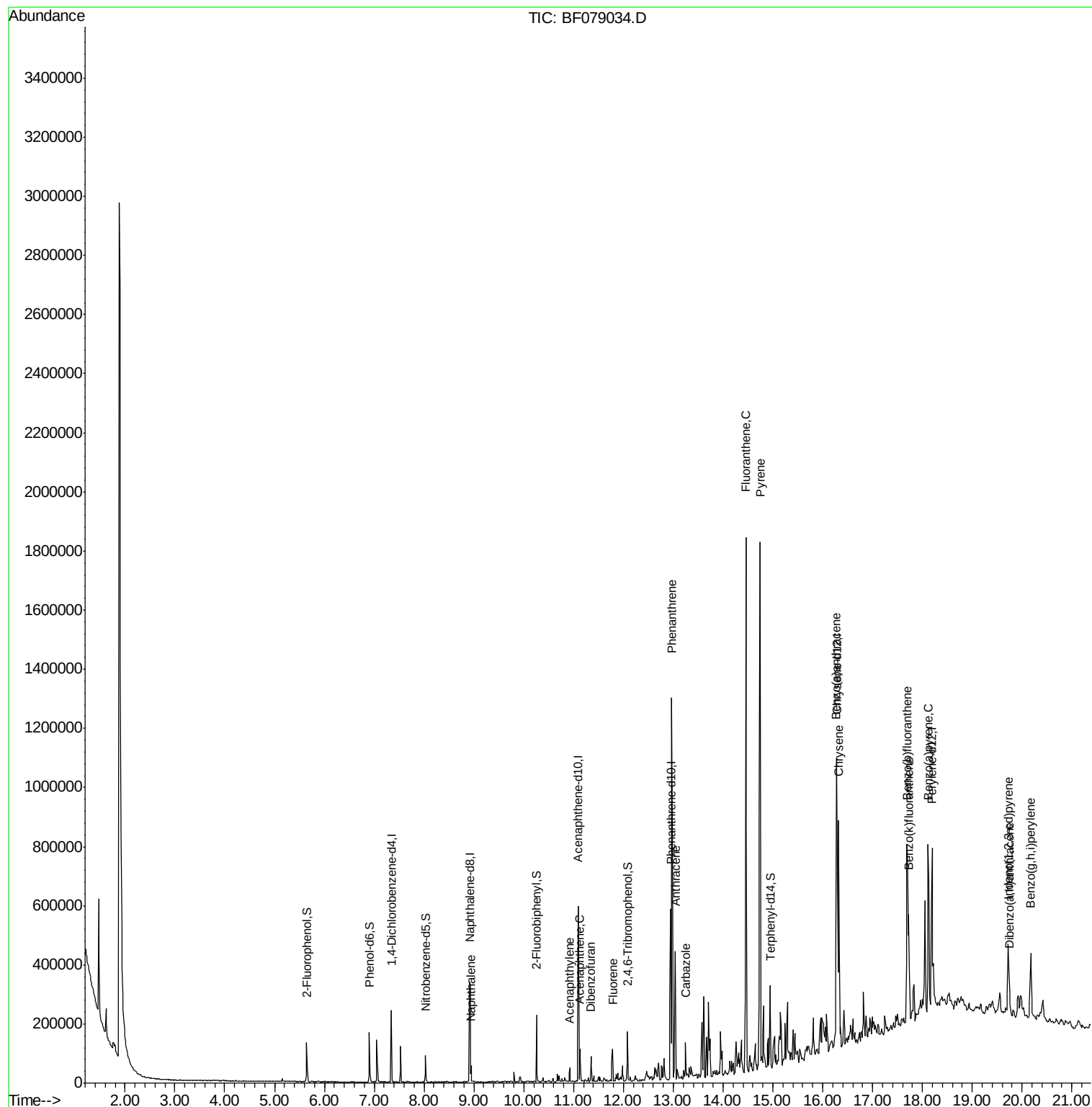
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
Data File : BF079034.D
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ALS Vial : 40 Sample Multiplier: 1

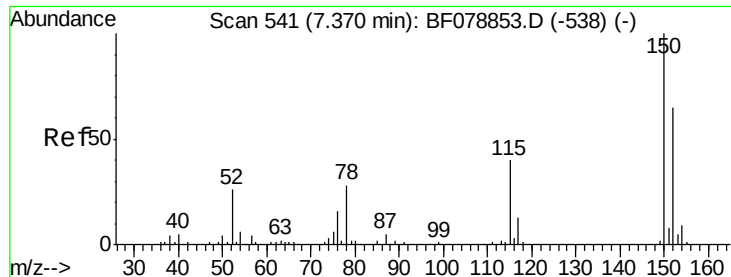
Instrument :
BNA_F
ClientSampleId :
MW-A22B-WC

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Quant Time: May 08 13:02:53 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
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#1

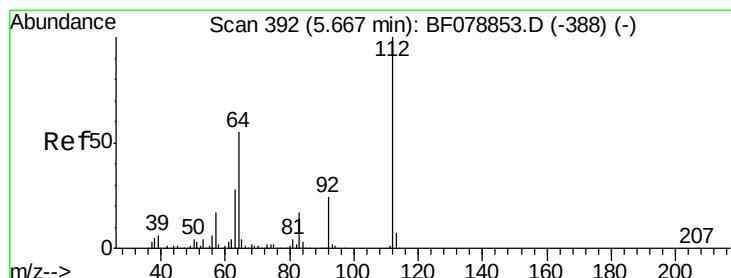
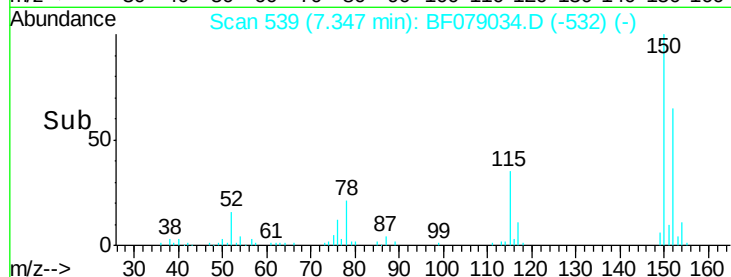
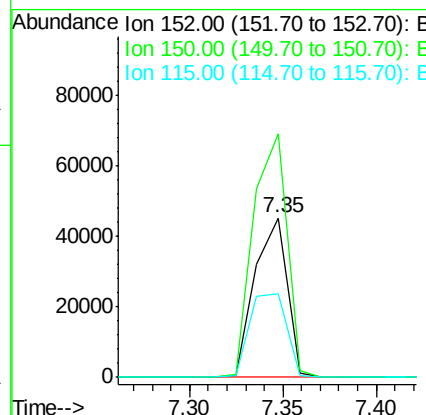
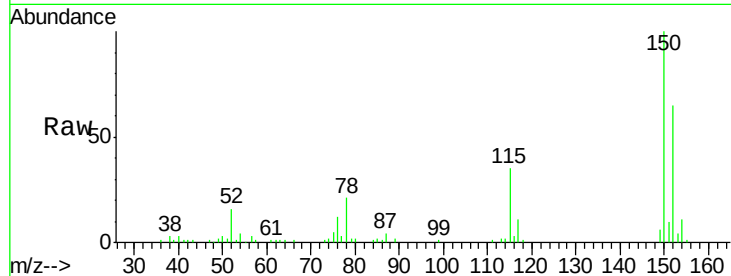
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF079034.D
Acq: 8 May 2015 11:23

Instrument :
BNA_F
ClientSampleId :
MW-A22B-WC

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	122.0	183.0
115	52.8	46.3	69.5

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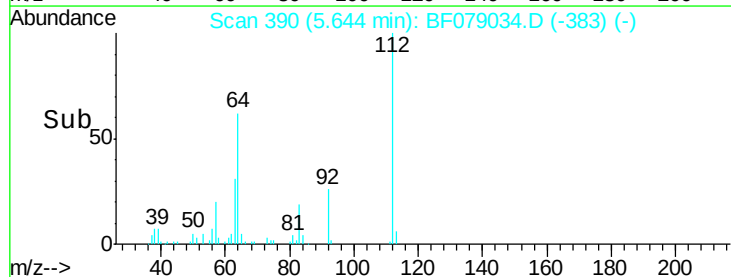
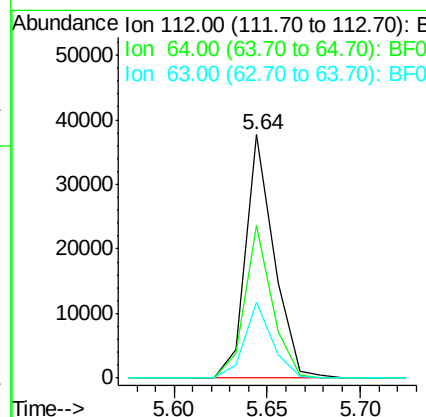
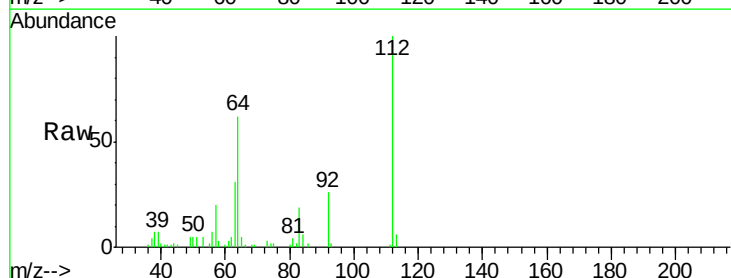
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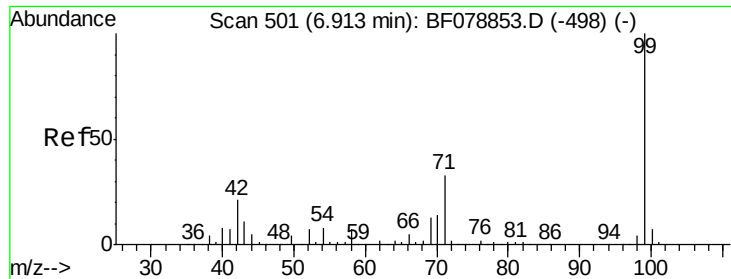


#5

2-Fluorophenol
Concen: 12.72 ng
RT: 5.64 min Scan# 390
Delta R.T. -0.02 min
Lab File: BF079034.D
Acq: 8 May 2015 11:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	53.5	80.3
63	31.1	27.5	41.3





#7

Phenol-d6

Concen: 13.73 ng

RT: 6.90 min Scan# 500

Delta R.T. -0.02 min

Lab File: BF079034.D

Acq: 8 May 2015 11:23

Instrument :

BNA_F

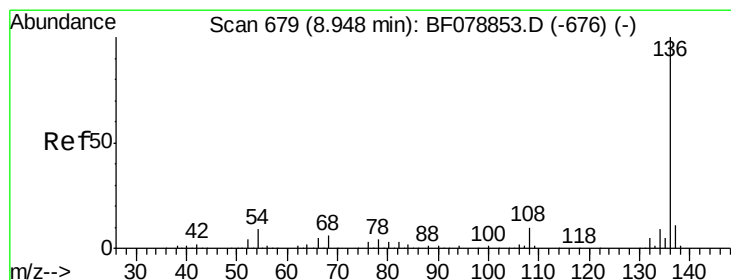
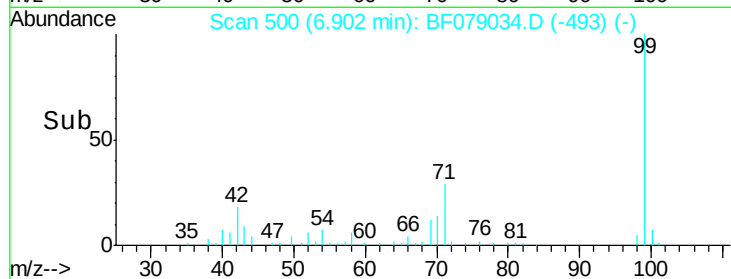
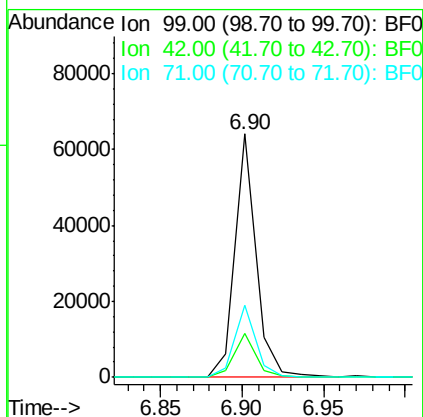
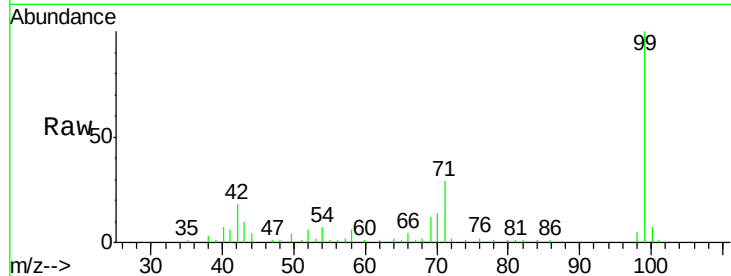
ClientSampleId :

MW-A22B-WC

Tot Ion:	99	Resp:	57154
Ion Ratio	Lower	Upper	
99	100		
42	18.1	12.8	19.2
71	29.5	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

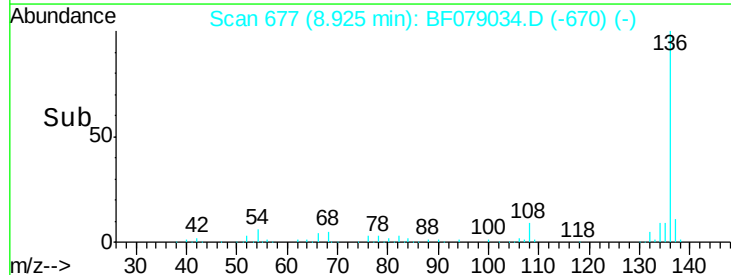
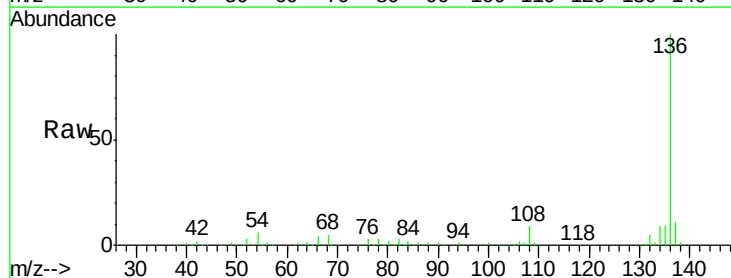
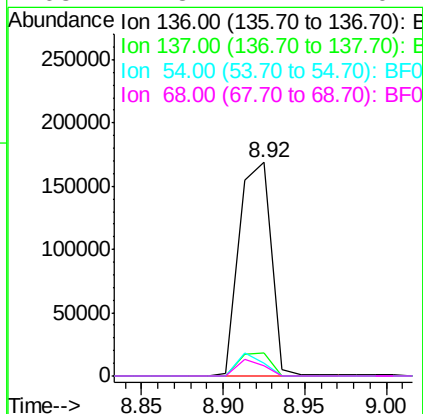
RT: 8.92 min Scan# 677

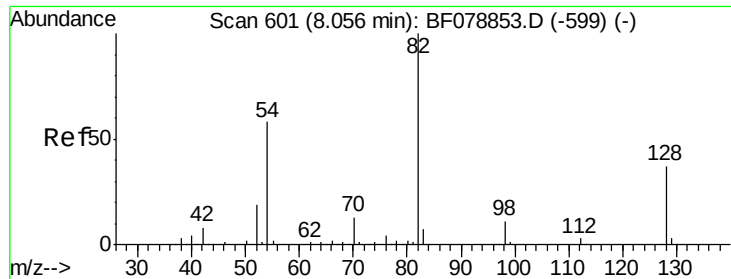
Delta R.T. -0.02 min

Lab File: BF079034.D

Acq: 8 May 2015 11:23

Tgt Ion:	136	Resp:	228570
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.7	13.1
54	5.8	5.8	8.8#
68	4.8	4.2	6.4





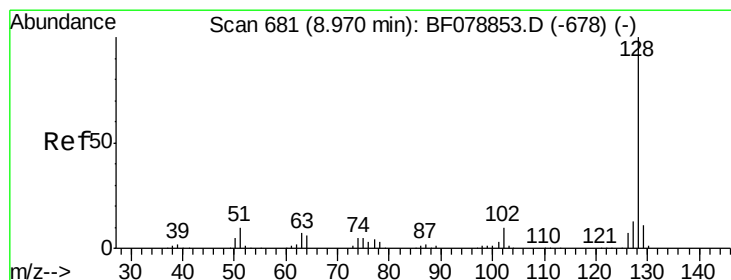
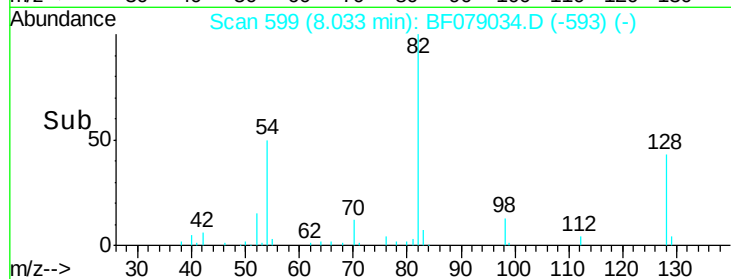
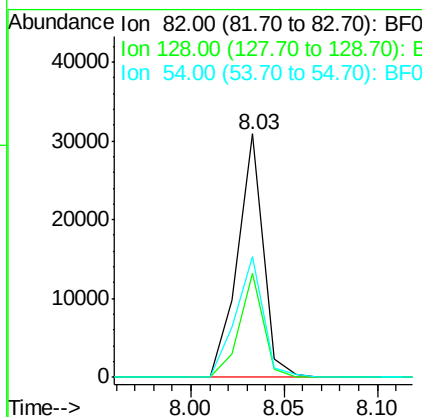
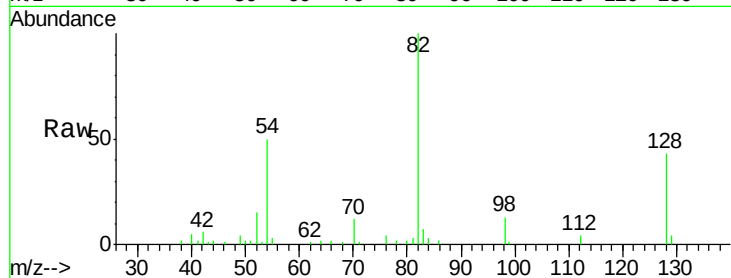
#23
Nitrobenzene-d5
Concen: 7.49 ng
RT: 8.03 min Scan# 599
Delta R.T. -0.03 min
Lab File: BF079034.D
Acq: 8 May 2015 11:23

Instrument :
BNA_F
ClientSampleId :
MW-A22B-WC

Tot Ion	Ratio	Resp	Lower	Upper
82	100	29800		
128	42.7		30.0	45.0
54	49.8		46.4	69.6

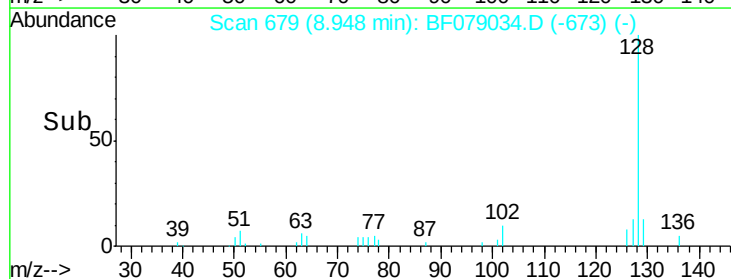
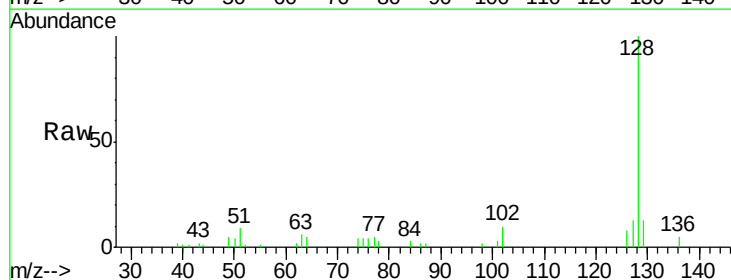
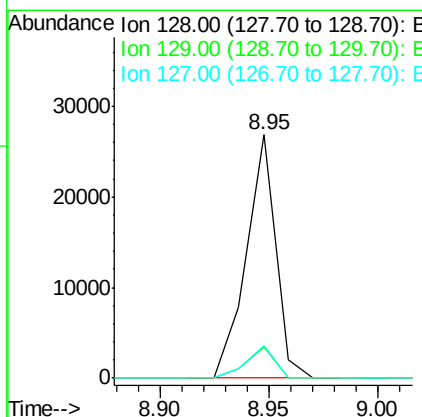
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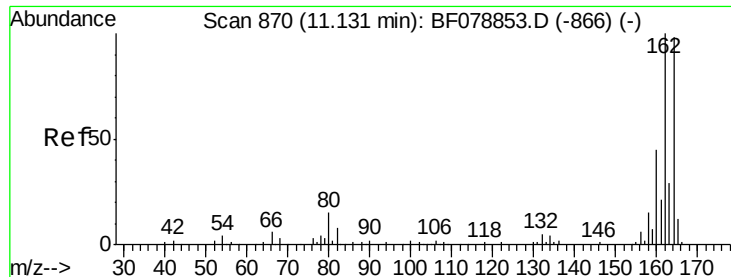
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#31
Naphthalene
Concen: 2.31 ng
RT: 8.95 min Scan# 679
Delta R.T. -0.03 min
Lab File: BF079034.D
Acq: 8 May 2015 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	25191		
129	12.7		9.3	13.9
127	13.3		10.7	16.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.10 min Scan# 867

Delta R.T. -0.03 min

Lab File: BF079034.D

Acq: 8 May 2015 11:23

Instrument :

BNA_F

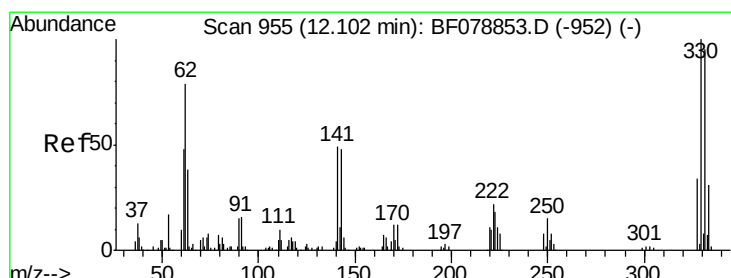
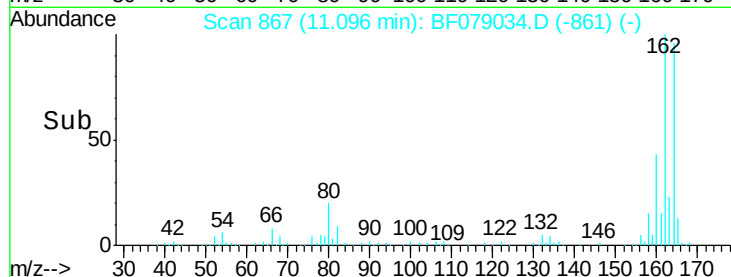
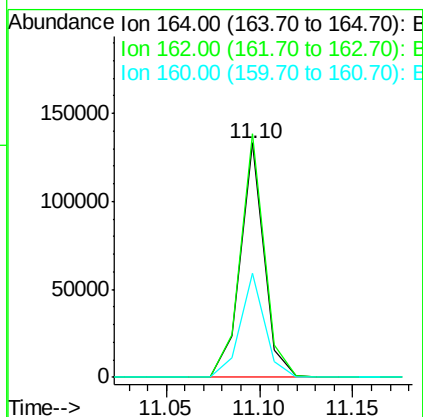
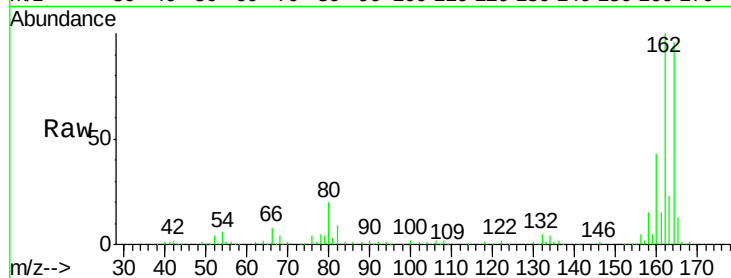
ClientSampleId :

MW-A22B-WC

Tot Ion:	164	Resp:	119082
Ion Ratio	Lower	Upper	
164	100		
162	103.9	82.7	124.1
160	44.4	35.8	53.8

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#41

2,4,6-Tribromophenol

Concen: 11.53 ng

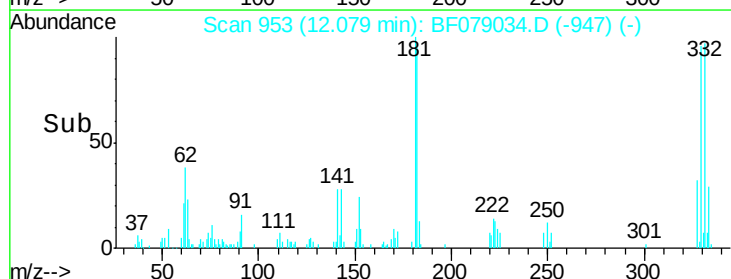
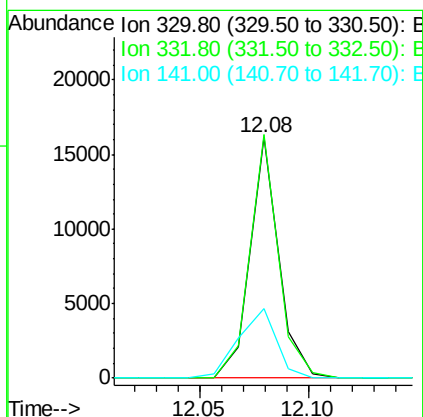
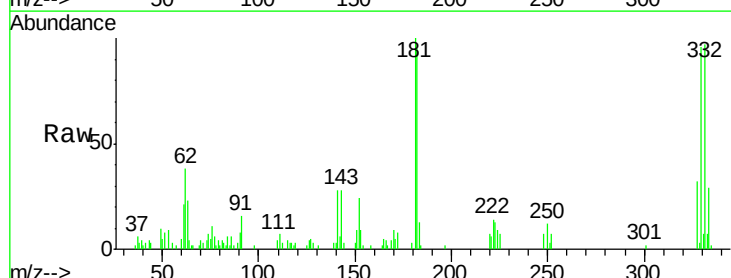
RT: 12.08 min Scan# 953

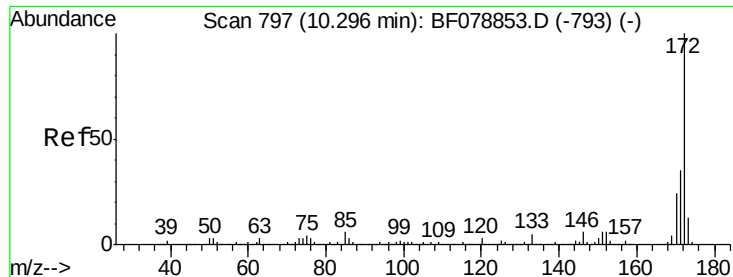
Delta R.T. -0.03 min

Lab File: BF079034.D

Acq: 8 May 2015 11:23

Tgt Ion:	330	Resp:	14849
Ion Ratio	Lower	Upper	
330	100		
332	99.7	0.0	0.0#
141	38.2	0.0	0.0#





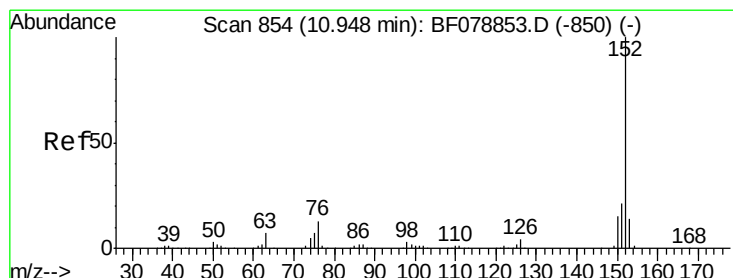
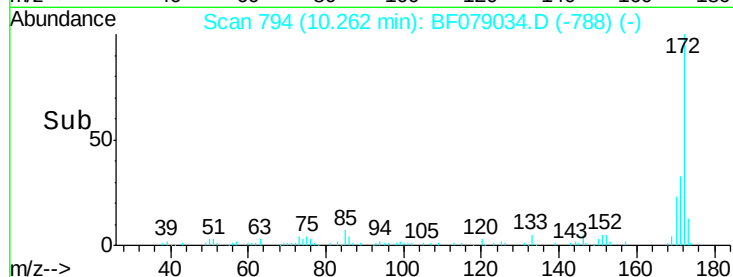
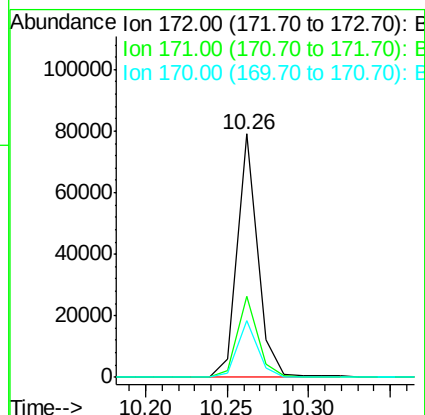
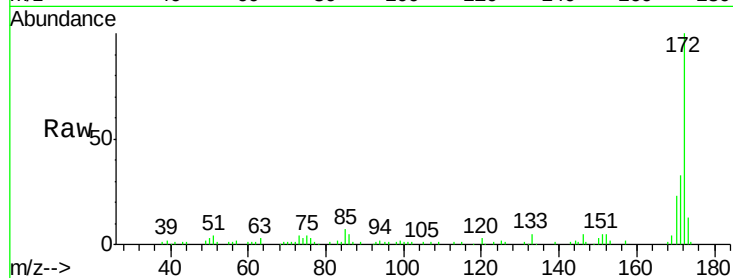
#44
2-Fluorobiphenyl
Concen: 8.01 ng
RT: 10.26 min Scan# 794
Delta R.T. -0.03 min
Lab File: BF079034.D
Acq: 8 May 2015 11:23

Instrument :
BNA_F
ClientSampleId :
MW-A22B-WC

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.3	27.9	41.9
170	23.5	19.4	29.0

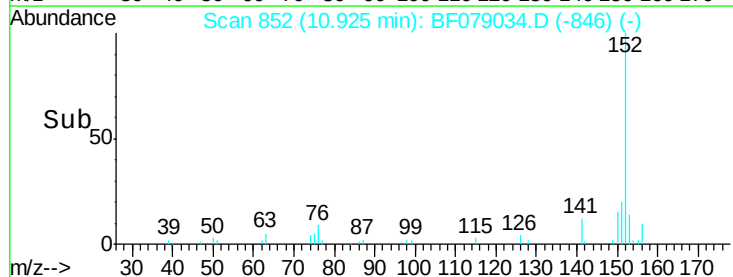
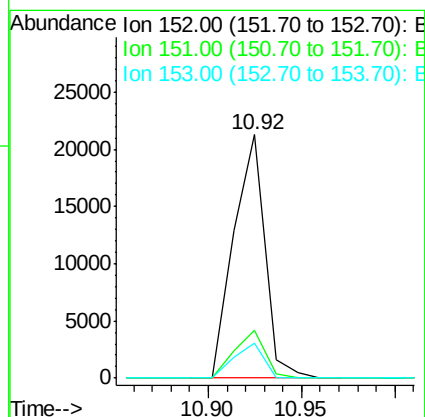
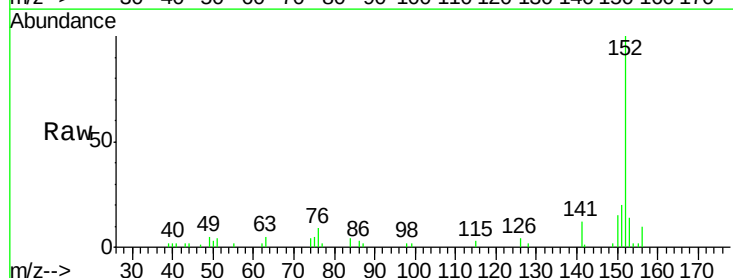
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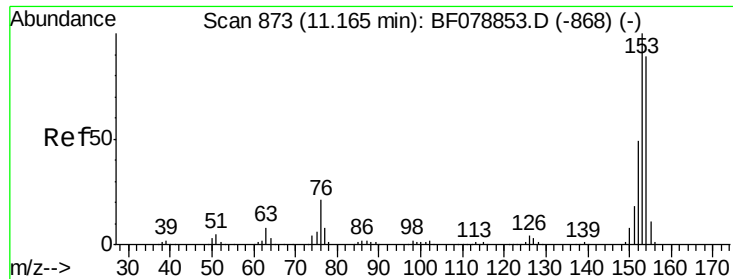
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#48
Acenaphthylene
Concen: 2.05 ng
RT: 10.92 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF079034.D
Acq: 8 May 2015 11:23

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.4
153	14.2	10.9	16.3





#51

Acenaphthene

Concen: 4.33 ng

RT: 11.13 min Scan# 870

Delta R.T. -0.05 min

Lab File: BF079034.D

Acq: 8 May 2015 11:23

Instrument :

BNA_F

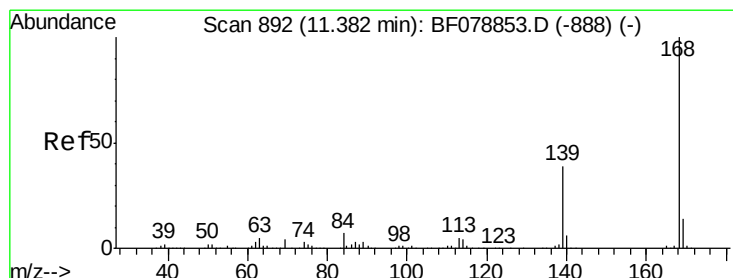
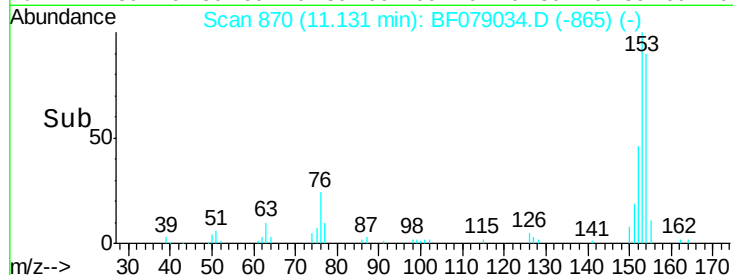
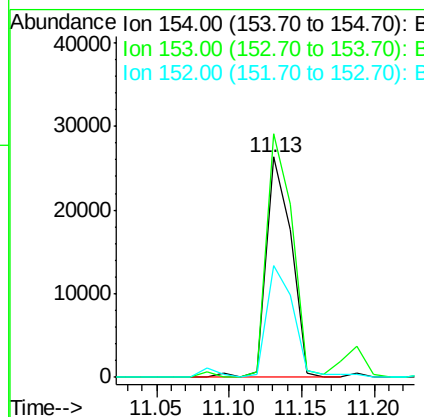
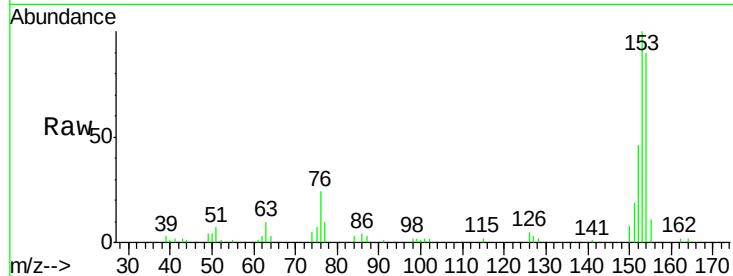
ClientSampleId :

MW-A22B-WC

Tot Ion:	154	Resp:	31324
Ion	Ratio	Lower	Upper
154	100		
153	110.7	91.5	137.3
152	50.8	44.2	66.4

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#54

Dibenzofuran

Concen: 3.56 ng

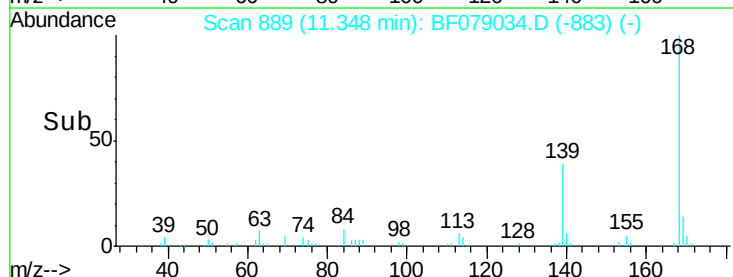
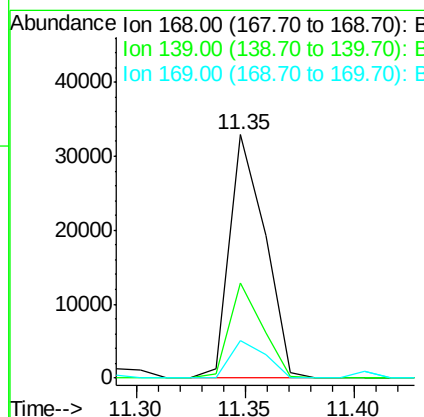
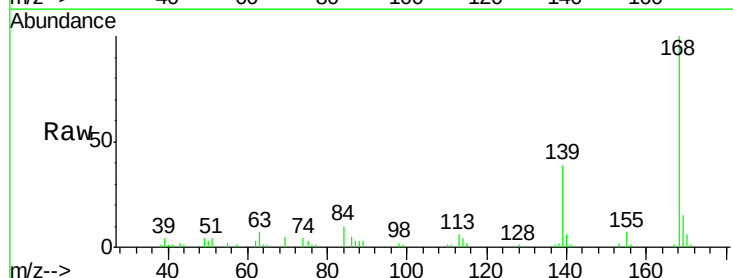
RT: 11.35 min Scan# 889

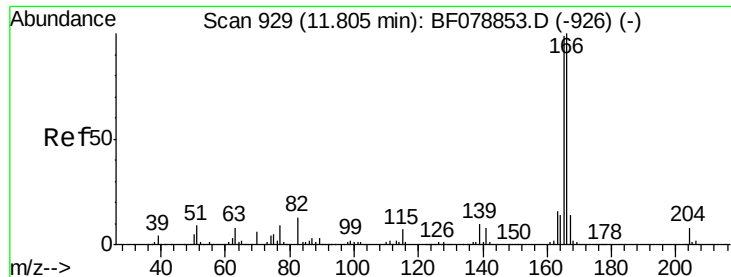
Delta R.T. -0.03 min

Lab File: BF079034.D

Acq: 8 May 2015 11:23

Tgt Ion:	168	Resp:	37220
Ion	Ratio	Lower	Upper
168	100		
139	39.3	31.0	46.4
169	15.2	10.6	16.0





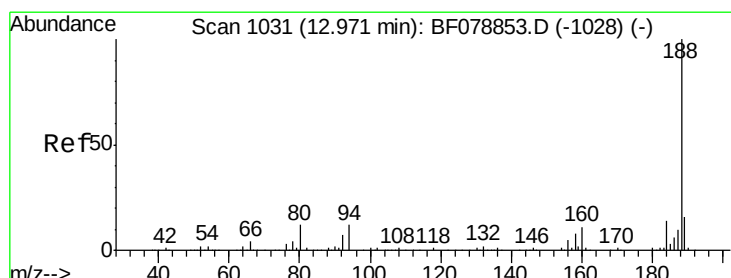
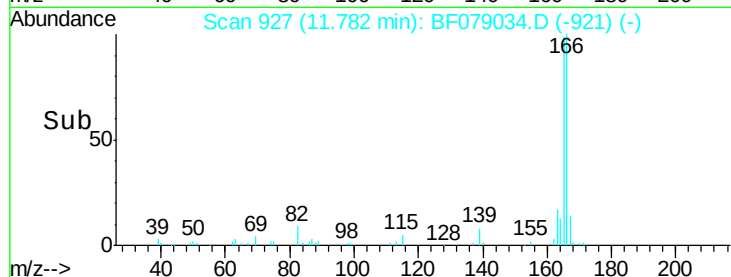
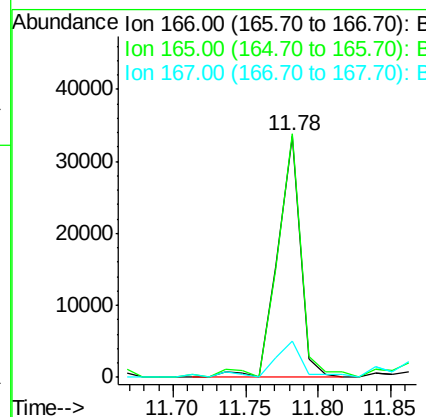
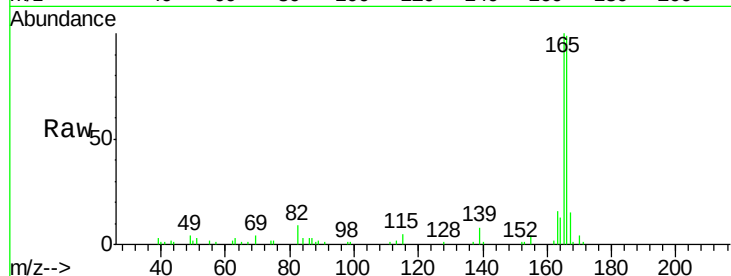
#57
Fluorene
 Concen: 4.28 ng
 RT: 11.78 min Scan# 927
 Delta R.T. -0.03 min
 Lab File: BF079034.D
 Acq: 8 May 2015 11:23

Instrument :
 BNA_F
 ClientSampleId :
 MW-A22B-WC

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.9	78.5	117.7
167	15.0	11.0	16.6

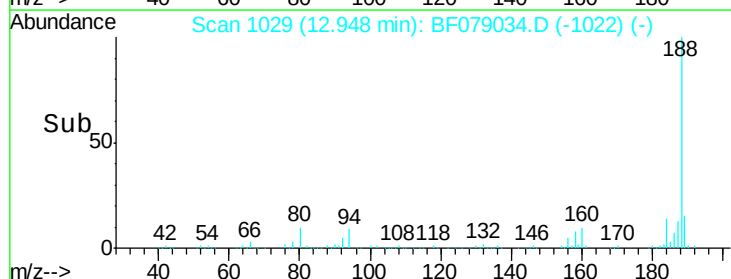
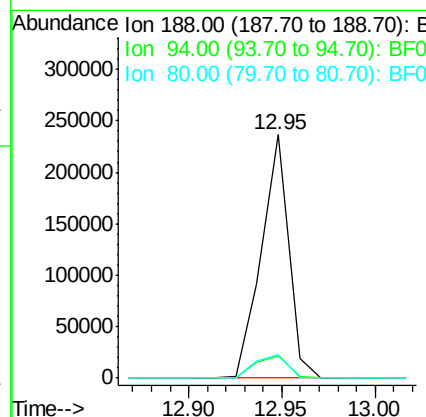
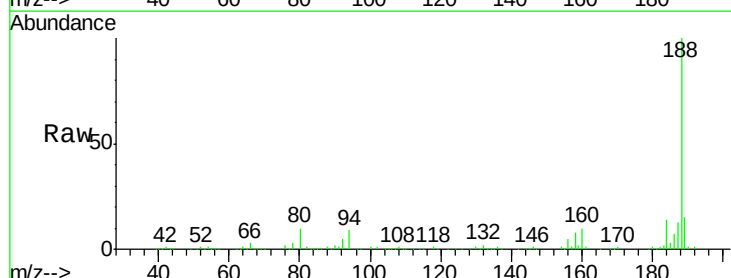
Manual Integrations
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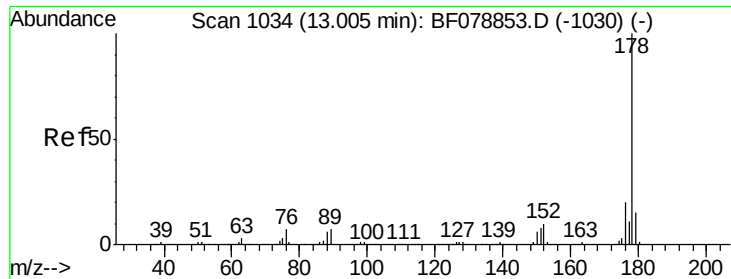
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.95 min Scan# 1029
 Delta R.T. -0.02 min
 Lab File: BF079034.D
 Acq: 8 May 2015 11:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.2	12.2
80	9.7	8.9	13.3





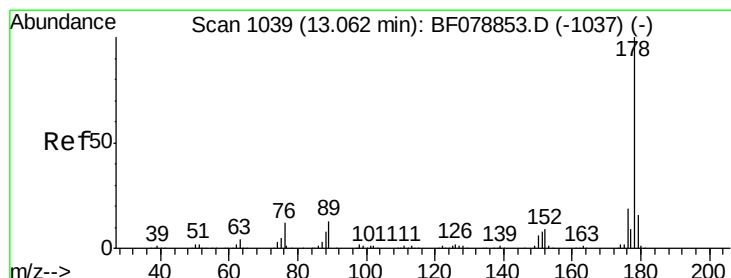
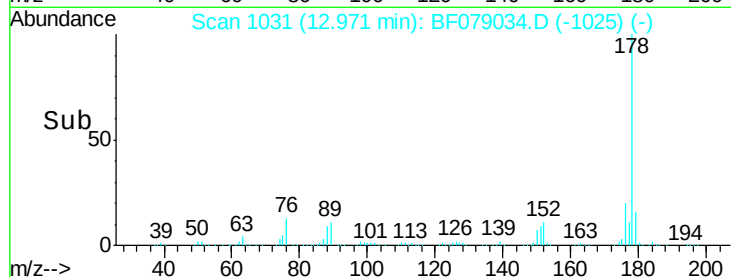
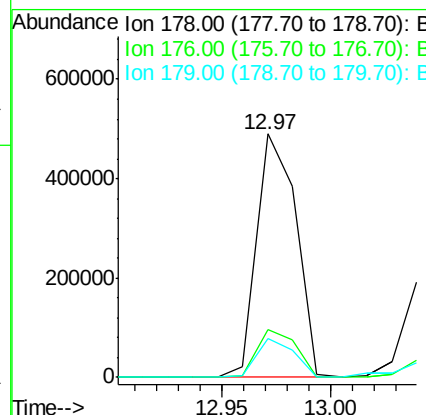
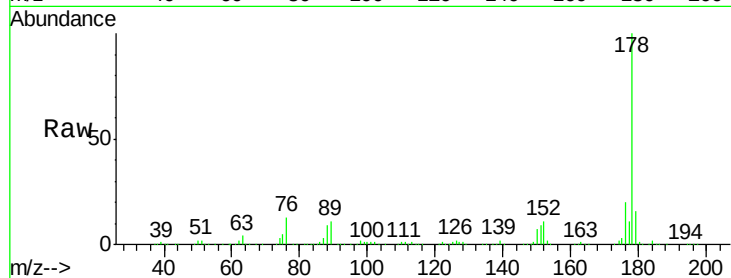
#70
Phenanthrene
Concen: 46.27 ng
RT: 12.97 min Scan# 1031
Delta R.T. -0.03 min
Lab File: BF079034.D
Acq: 8 May 2015 11:23

Instrument :
BNA_F
ClientSampleId :
MW-A22B-WC

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	16.0	12.5	18.7

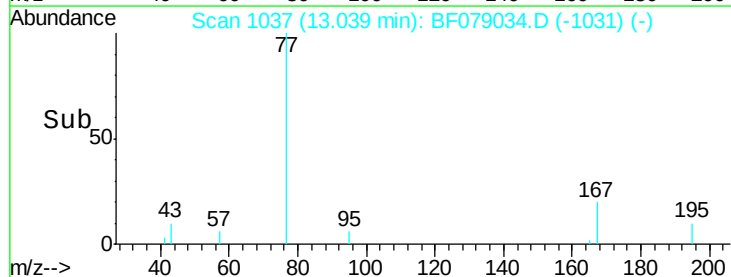
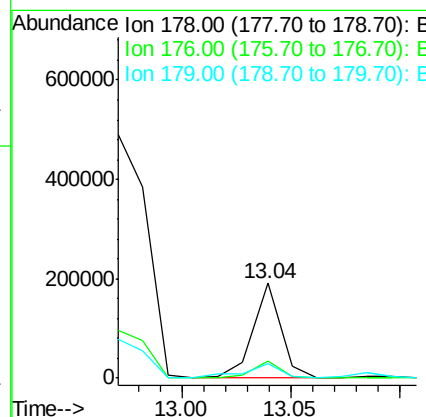
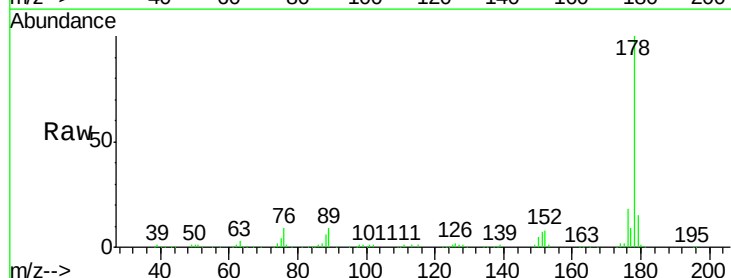
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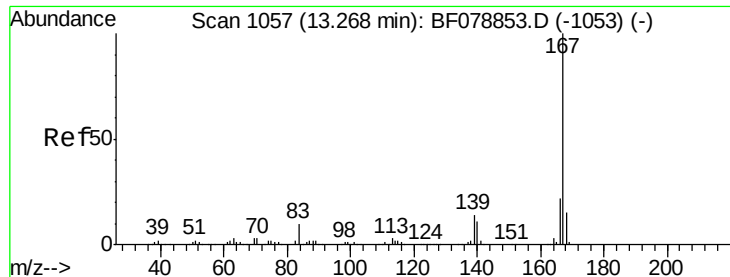
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#71
Anthracene
Concen: 12.76 ng
RT: 13.04 min Scan# 1037
Delta R.T. -0.03 min
Lab File: BF079034.D
Acq: 8 May 2015 11:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.5	23.3
179	15.4	12.7	19.1





#72

Carbazole

Concen: 3.94 ng

RT: 13.25 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF079034.D

Acq: 8 May 2015 11:23

Instrument :

BNA_F

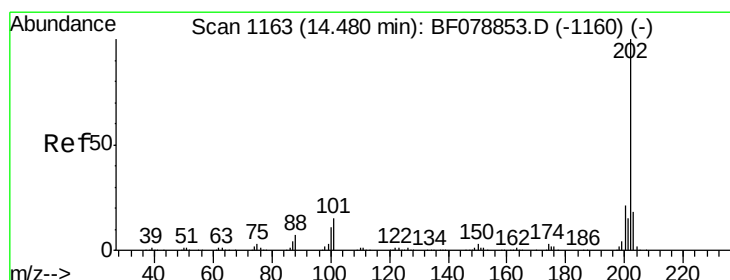
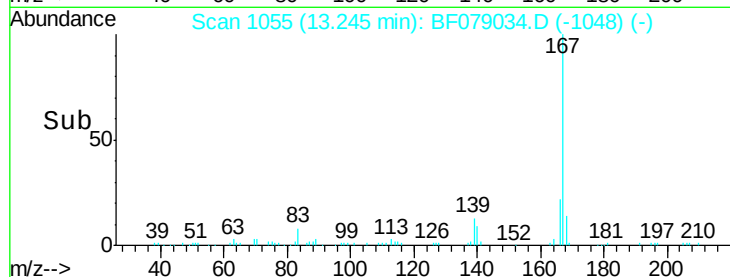
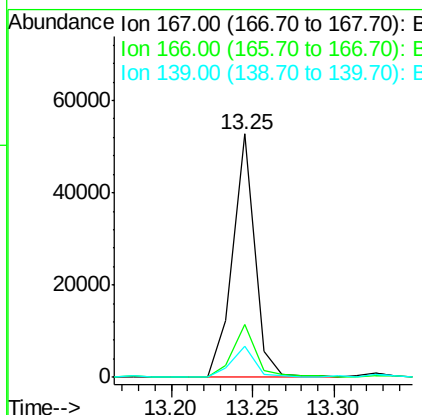
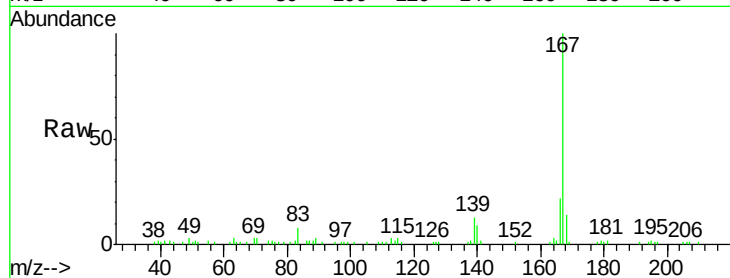
ClientSampleId :

MW-A22B-WC

Tot Ion:	167	Resp:	49419
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.8	26.8
139	12.6	10.6	16.0

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#74

Fluoranthene

Concen: 61.00 ng

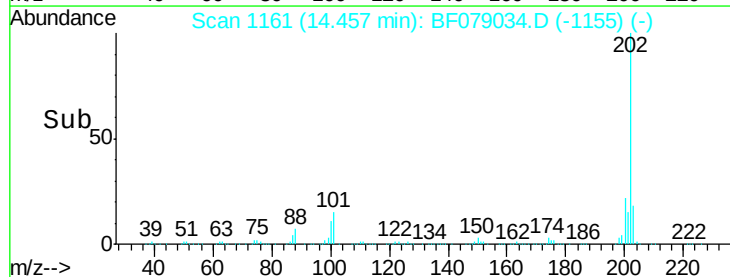
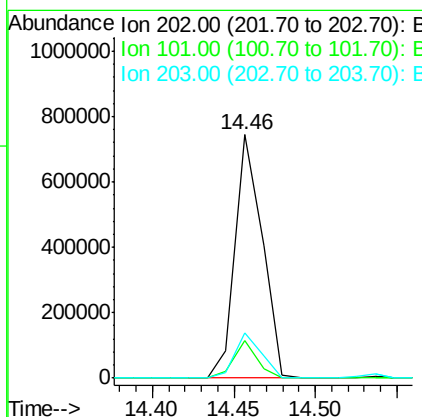
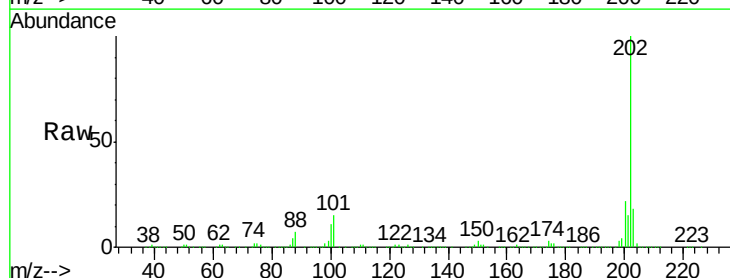
RT: 14.46 min Scan# 1161

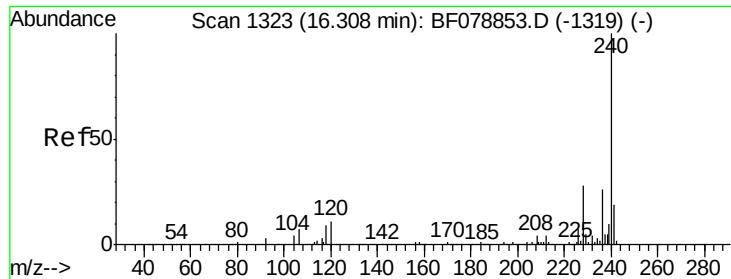
Delta R.T. -0.03 min

Lab File: BF079034.D

Acq: 8 May 2015 11:23

Tgt Ion:	202	Resp:	852073
Ion Ratio	Lower	Upper	
202	100		
101	15.2	0.0	34.6
203	18.4	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.29 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF079034.D

Acq: 8 May 2015 11:23

Instrument :

BNA_F

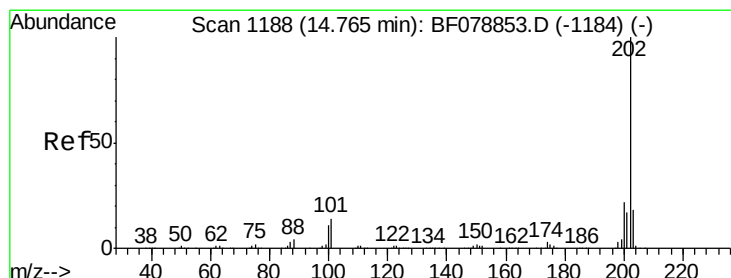
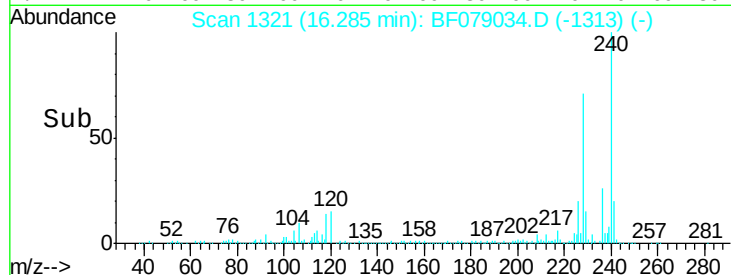
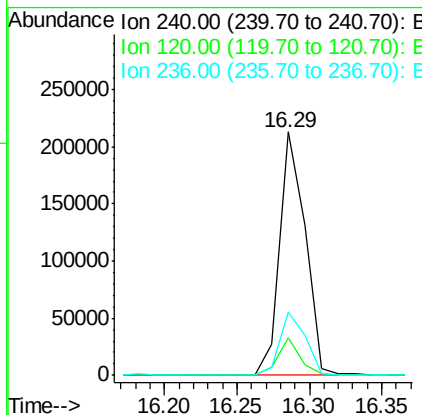
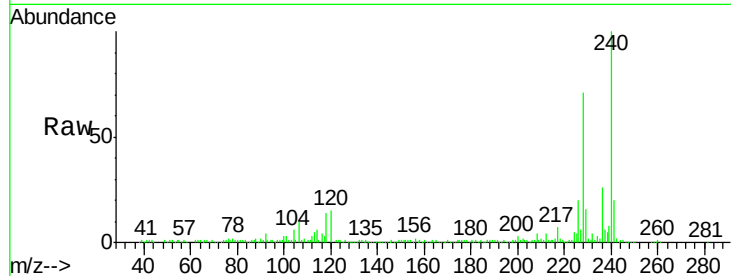
ClientSampleId :

MW-A22B-WC

Tot Ion:	240	Resp:	261230
Ion Ratio	Lower	Upper	
240	100		
120	15.2	9.7	14.5#
236	26.0	20.2	30.4

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#77

Pyrene

Concen: 51.92 ng

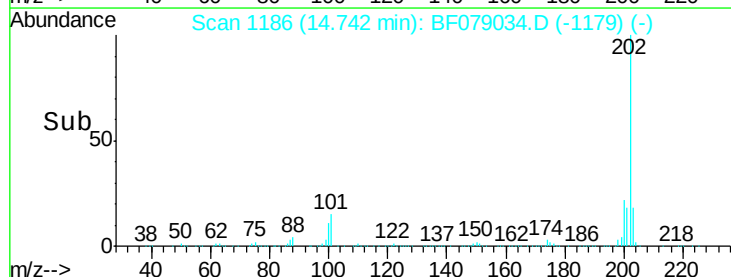
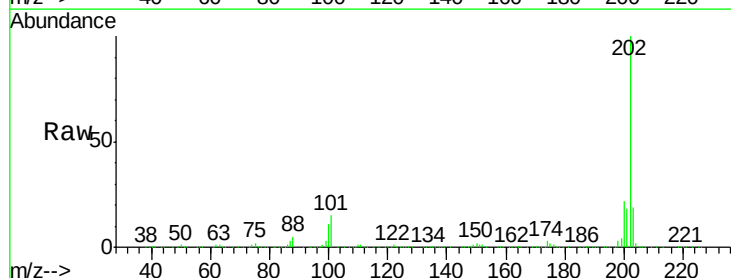
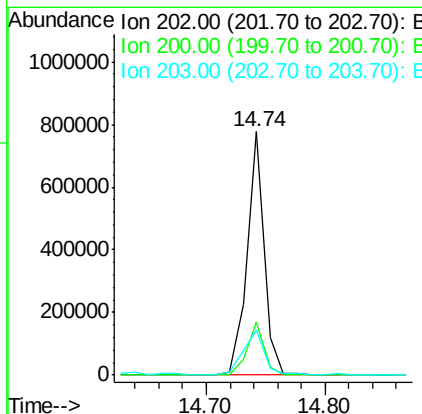
RT: 14.74 min Scan# 1186

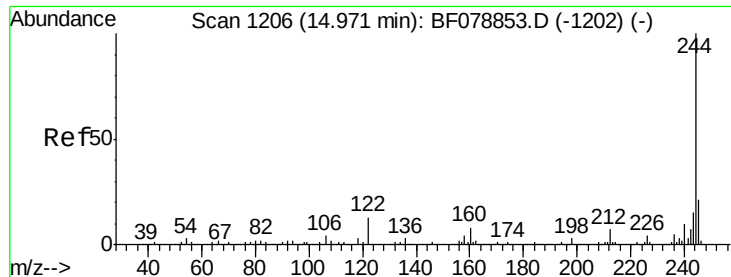
Delta R.T. -0.02 min

Lab File: BF079034.D

Acq: 8 May 2015 11:23

Tgt Ion:	202	Resp:	781538
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.5	26.3
203	18.7	13.9	20.9





#78

Terphenyl-d14

Concen: 7.40 ng

RT: 14.95 min Scan# 1204

Delta R.T. -0.02 min

Lab File: BF079034.D

Acq: 8 May 2015 11:23

Instrument :

BNA_F

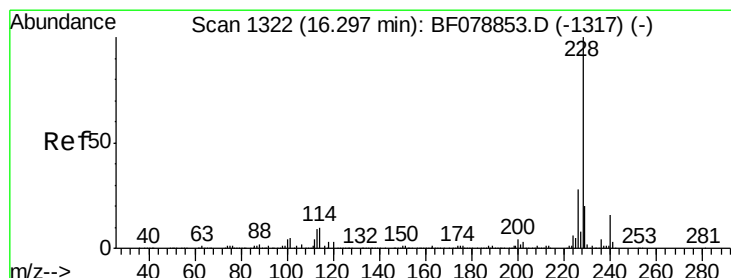
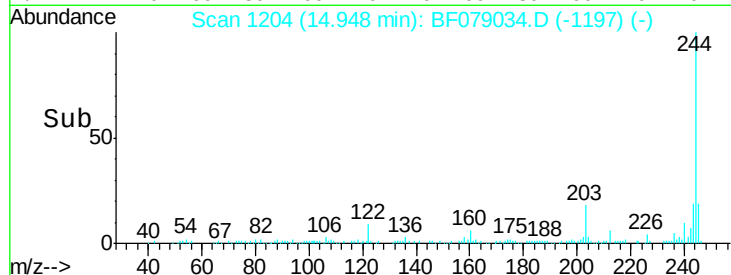
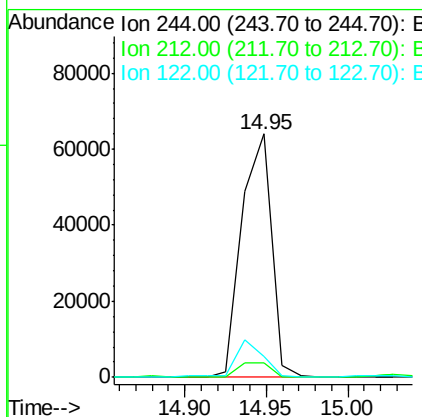
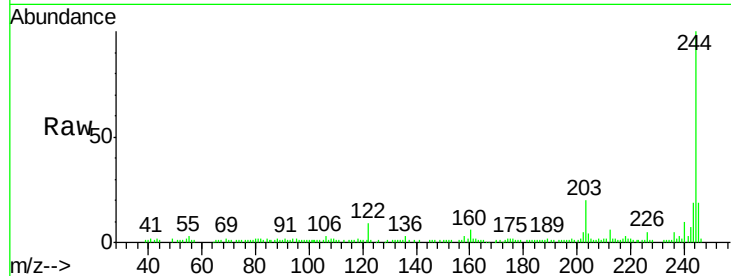
ClientSampleId :

MW-A22B-WC

Tot Ion:	244	Resp:	80708
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.6	8.4
122	8.7	10.3	15.5#

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#80

Benzo(a)anthracene

Concen: 29.36 ng

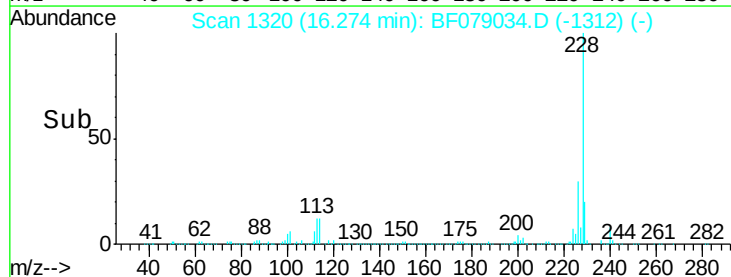
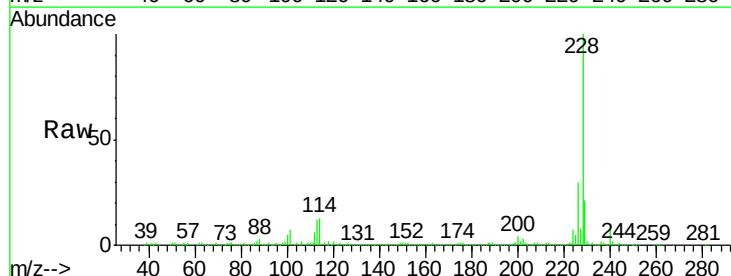
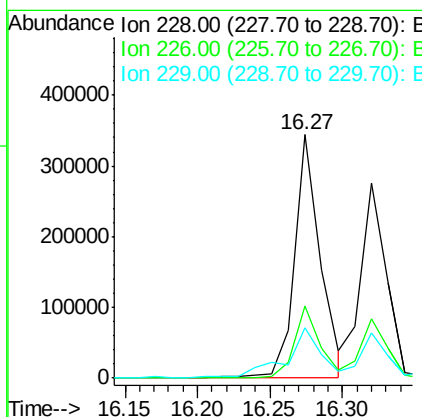
RT: 16.27 min Scan# 1320

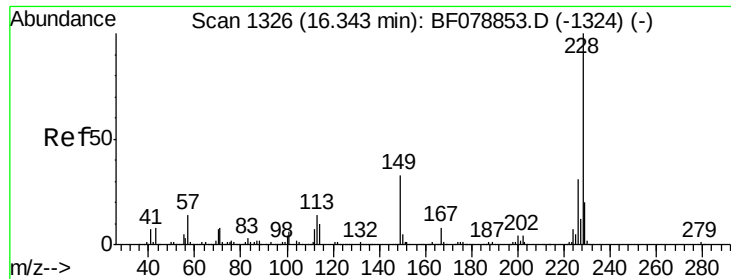
Delta R.T. -0.01 min

Lab File: BF079034.D

Acq: 8 May 2015 11:23

Tgt Ion:	228	Resp:	419981
Ion Ratio	Lower	Upper	
228	100		
226	29.7	22.6	33.8
229	20.6	15.9	23.9





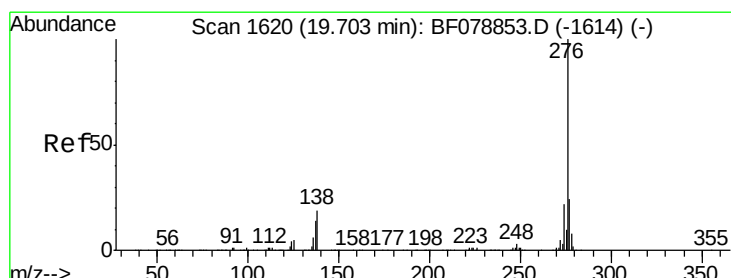
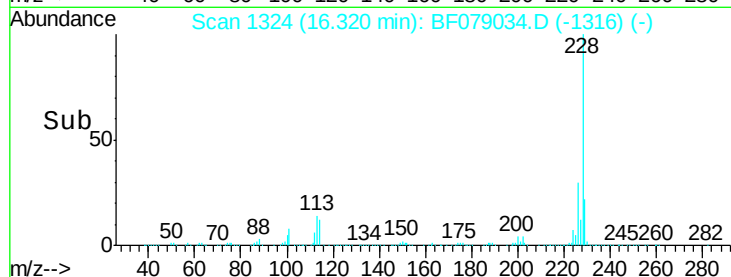
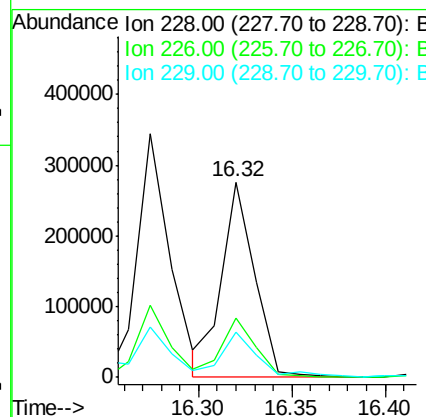
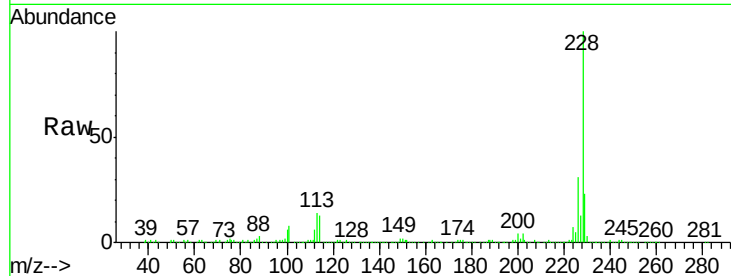
#82
Chrysene
Concen: 24.43 ng
RT: 16.32 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF079034.D
Acq: 8 May 2015 11:23

Instrument :
BNA_F
ClientSampleId :
MW-A22B-WC

Tot Ion:	228	Resp:	336112
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.9	37.3
229	23.3	16.0	24.0

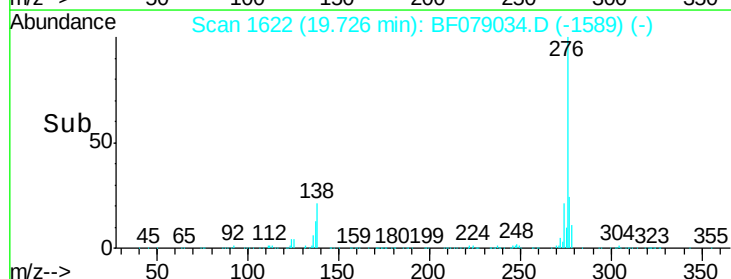
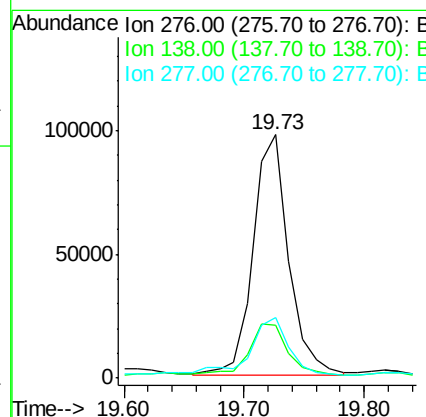
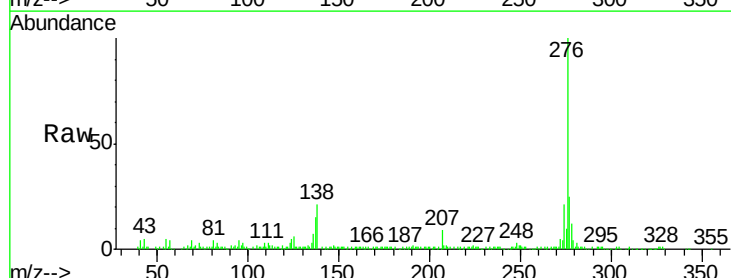
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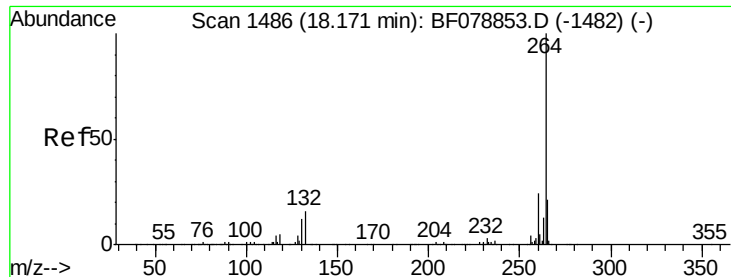
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#85
Indeno(1,2,3-cd)pyrene
Concen: 11.34 ng m
RT: 19.73 min Scan# 1622
Delta R.T. 0.08 min
Lab File: BF079034.D
Acq: 8 May 2015 11:23

Tgt Ion:	276	Resp:	198863
Ion Ratio	Lower	Upper	
276	100		
138	4.2	0.0	0.0#
277	4.8	0.0	0.0#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 18.19 min Scan# 1488

Delta R.T. 0.08 min

Lab File: BF079034.D

Acq: 8 May 2015 11:23

Instrument :

BNA_F

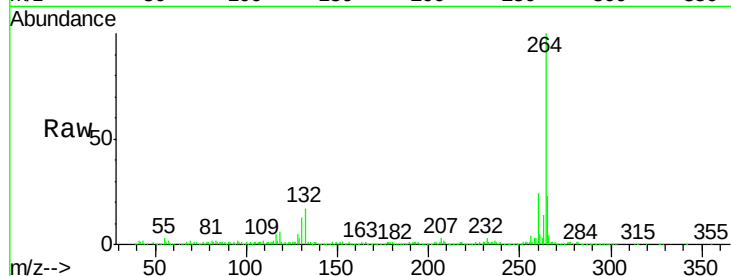
ClientSampleId :

MW-A22B-WC

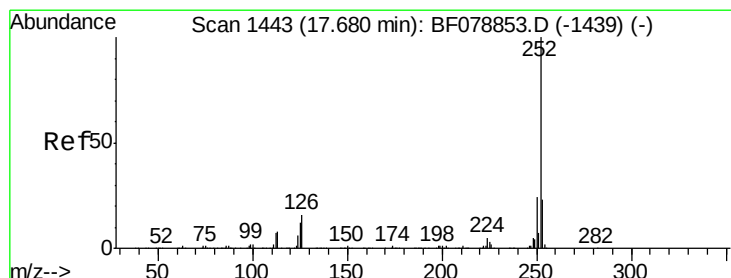
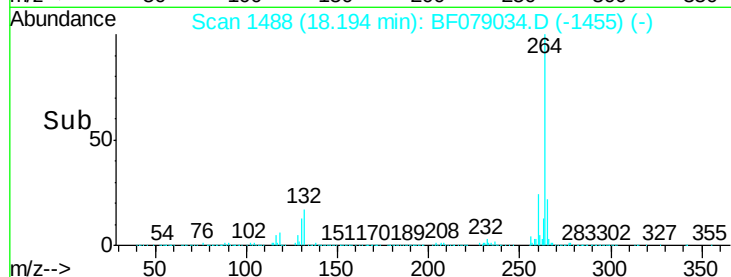
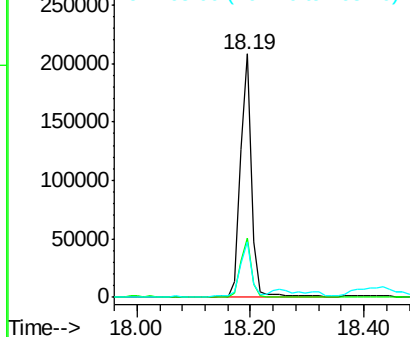
Tot Ion:	264	Resp:	289213
Ion Ratio		Lower	Upper
264	100		
260	24.2	19.4	29.2
265	22.7	18.3	27.5

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 26.98 ng m

RT: 17.69 min Scan# 1444

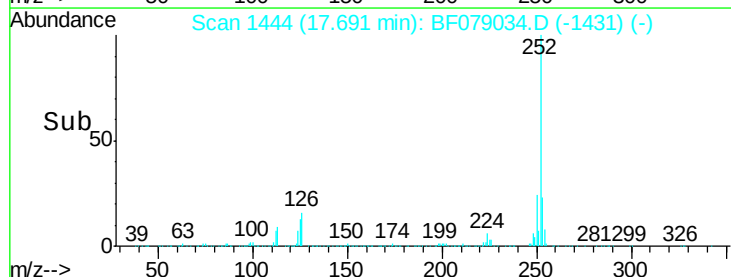
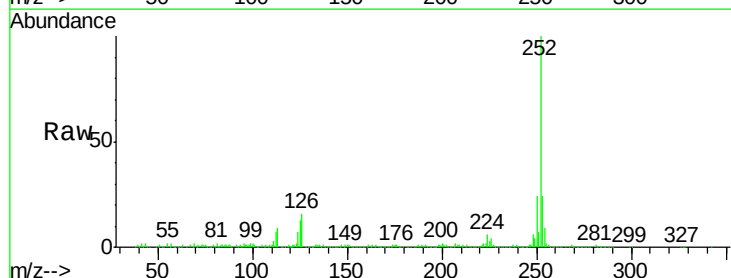
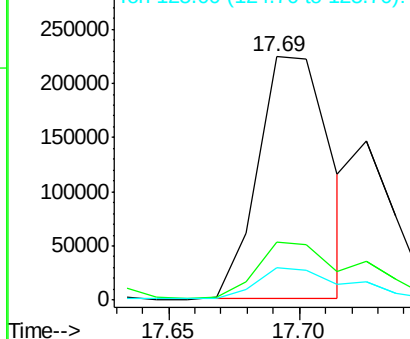
Delta R.T. 0.05 min

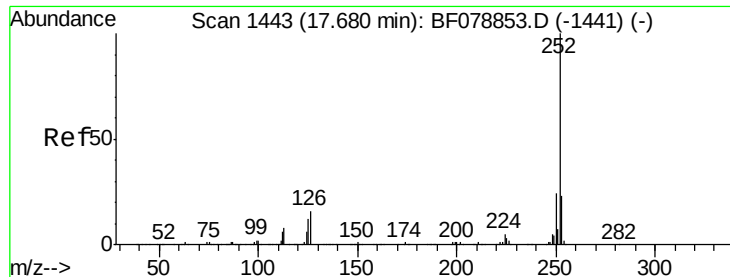
Lab File: BF079034.D

Acq: 8 May 2015 11:23

Tgt Ion:	252	Resp:	427129
Ion Ratio		Lower	Upper
252	100		
253	24.0	17.7	26.5
125	13.4	9.5	14.3

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





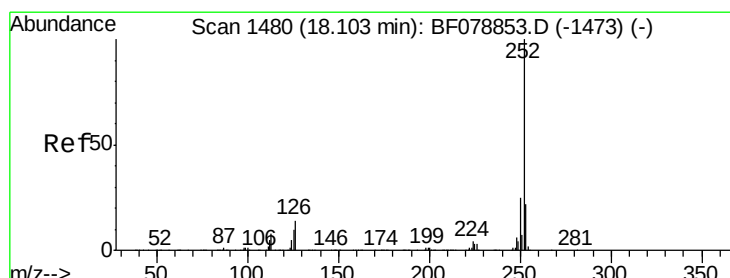
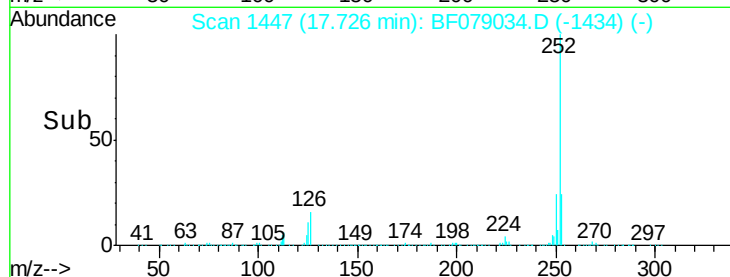
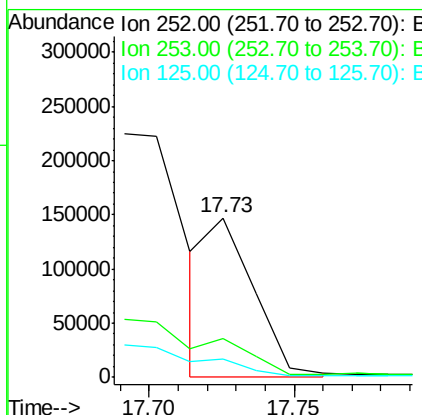
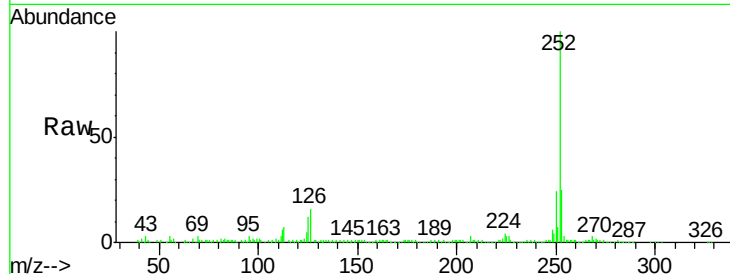
#88
Benzo(k)fluoranthene
Concen: 10.59 ng/mL
RT: 17.73 min Scan# 1447
Delta R.T. 0.05 min
Lab File: BF079034.D
Acq: 8 May 2015 11:23

Instrument :
BNA_F
ClientSampleId :
MW-A22B-WC

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.1	27.1
125	11.5	10.0	15.0

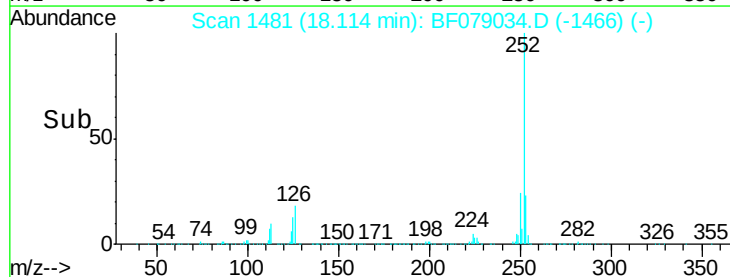
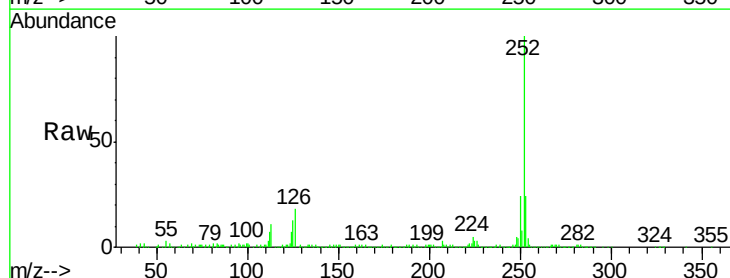
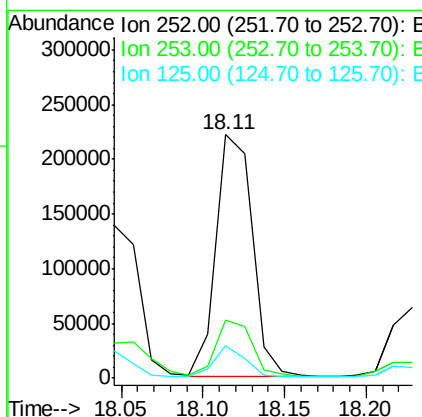
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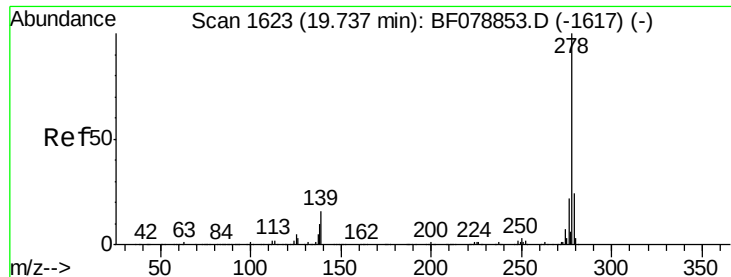
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#89
Benzo(a)pyrene
Concen: 23.21 ng/mL
RT: 18.11 min Scan# 1481
Delta R.T. 0.07 min
Lab File: BF079034.D
Acq: 8 May 2015 11:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.3	25.9
125	13.5	7.0	10.6





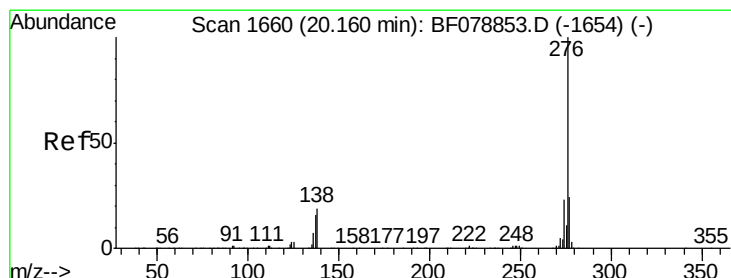
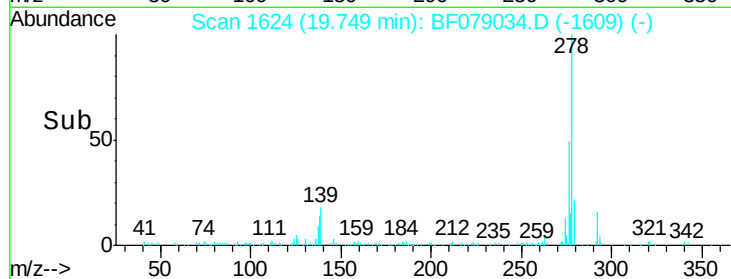
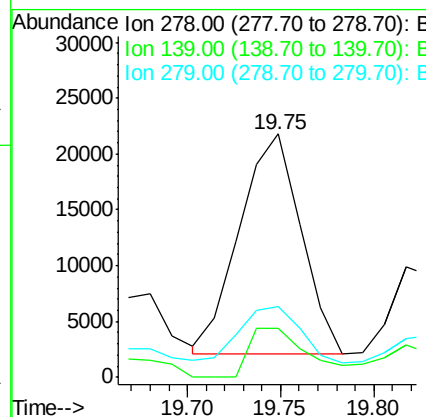
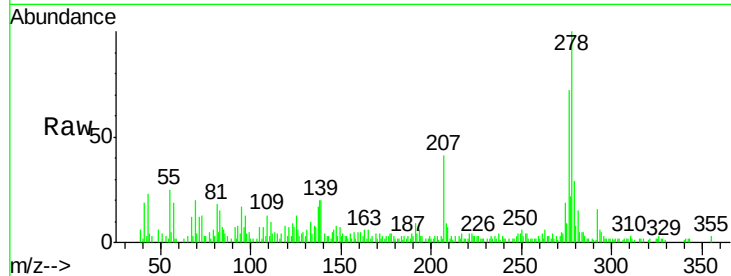
#90
Dibenzo(a,h)anthracene
Concen: 2.89 ng
RT: 19.75 min Scan# 1624
Delta R.T. 0.07 min
Lab File: BF079034.D
Acq: 8 May 2015 11:23

Instrument :
BNA_F
ClientSampleId :
MW-A22B-WC

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.0	12.8	19.2#
279	29.1	19.6	29.4

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#91
Benzo(g,h,i)perylene
Concen: 12.10 ng
RT: 20.17 min Scan# 1661
Delta R.T. 0.07 min
Lab File: BF079034.D
Acq: 8 May 2015 11:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	24.1	17.4	26.0

