

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103834.D
 Acq On : 21 Mar 2018 6:28
 Operator : JU/SJ
 Sample : J1982-01DL 10X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-105(3-4)DL

Manual Integrations
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Sohil
 3/22/2018 12:58:03 PM

Quant Time: Mar 21 08:16:48 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	167405	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	668625	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	292857	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	451675	20.00	ng	0.00
75) Chrysene-d12	14.16	240	311747	20.00	ng	0.01
86) Perylene-d12	15.70	264	281238	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	110077	10.00	ng	0.00
7) Phenol-d6	6.57	99	137941	10.24	ng	-0.01
23) Nitrobenzene-d5	7.53	82	76557	7.98	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	23730	9.42	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	150023	8.17	ng	0.00
78) Terphenyl-d14	13.09	244	104512	7.78	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.27	128	213822	6.331	ng	98
37) 2-Methylnaphthalene	8.96	142	76315	3.563	ng	98
48) Acenaphthylene	9.87	152	191022	6.351	ng	98
51) Acenaphthene	10.05	154	54251	3.038	ng	99
54) Dibenzofuran	10.22	168	59263	2.323	ng	97
57) Fluorene	10.56	166	144114	7.281	ng	98
70) Phenanthrene	11.53	178	852869	34.518	ng	99
71) Anthracene	11.58	178	286678	11.424	ng	99
74) Fluoranthene	12.73	202	870477	34.197	ng	98
77) Pyrene	12.96	202	924381	40.376	ng	100
80) Benzo(a)anthracene	14.15	228	486329m	24.645	ng	
82) Chrysene	14.19	228	423130m	22.494	ng	
85) Indeno(1,2,3-cd)pyrene	17.27	276	173468	10.560	ng	95
87) Benzo(b)fluoranthene	15.24	252	458681m	25.815	ng	
88) Benzo(k)fluoranthene	15.27	252	141246m	8.270	ng	
89) Benzo(a)pyrene	15.63	252	363783	22.573	ng	96
90) Dibenzo(a,h)anthracene	17.27	278	48019m	3.441	ng	
91) Benzo(g,h,i)perylene	17.75	276	172246	12.688	ng	97

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

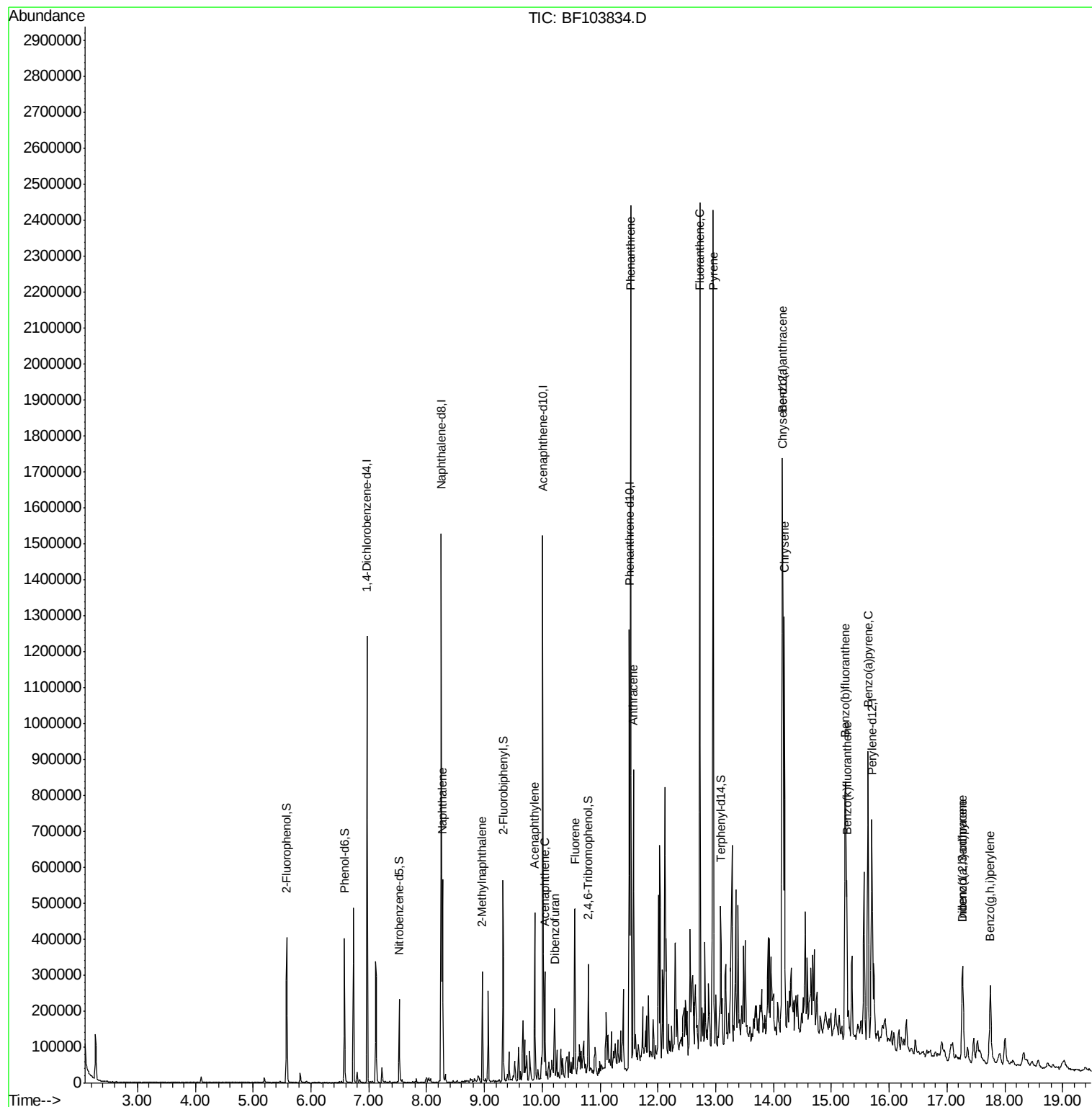
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF032018\
Data File : BF103834.D
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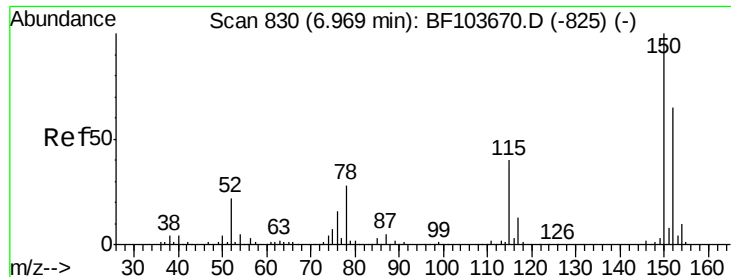
Instrument :
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ClientSampleId :
MW-105(3-4)DL

Manual Integrations
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Quant Time: Mar 21 08:16:48 2018
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#1

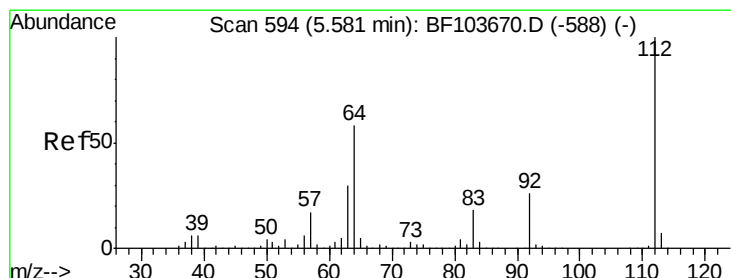
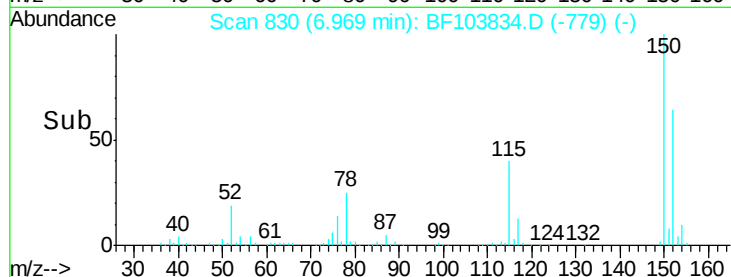
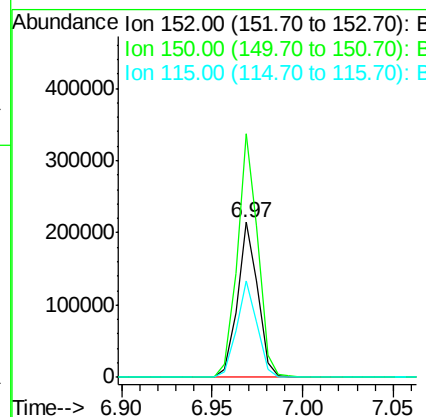
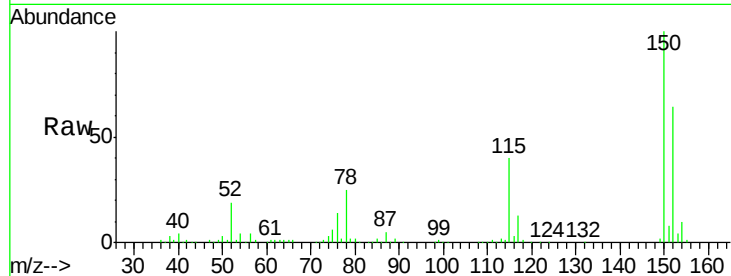
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103834.D
Acq: 21 Mar 2018 6:28

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	186.8
115	62.4	50.1	75.1

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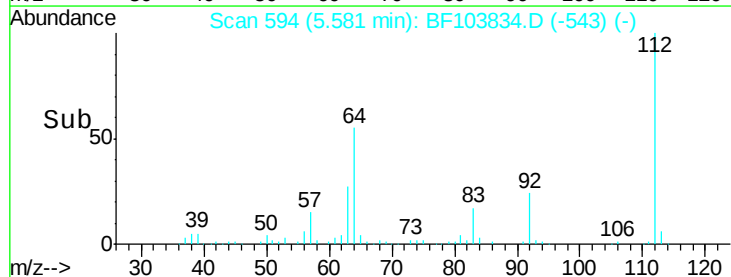
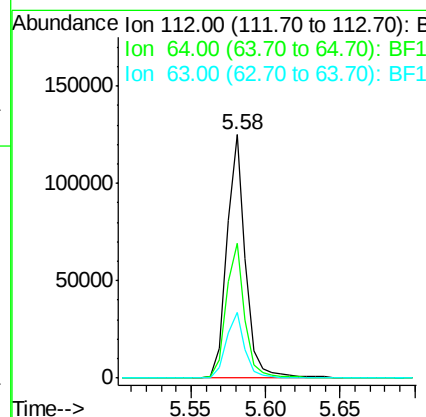
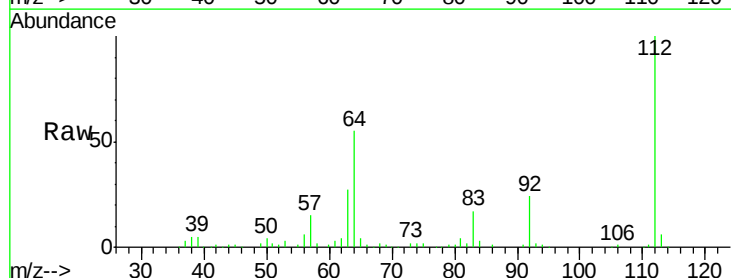
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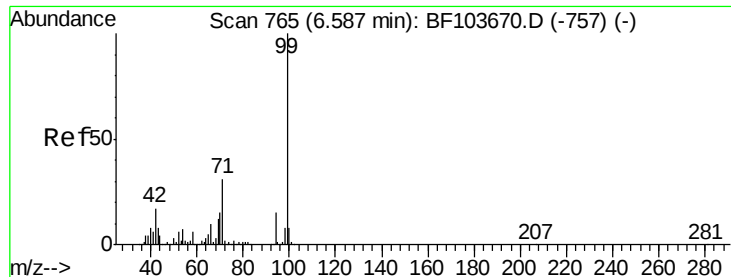


#5

2-Fluorophenol
Concen: 10.001 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.00 min
Lab File: BF103834.D
Acq: 21 Mar 2018 6:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	47.9	71.9
63	27.2	23.7	35.5





#7

Phenol-d6

Concen: 10.244 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF103834.D

Acq: 21 Mar 2018 6:28

Instrument :

BNA_F

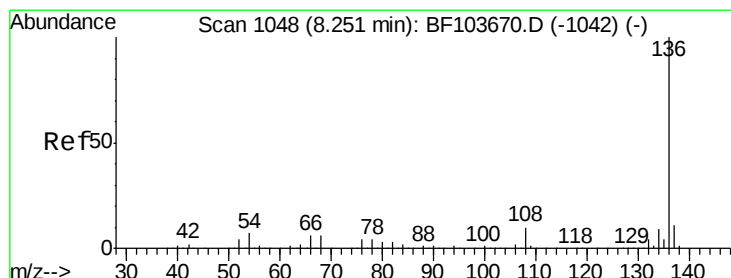
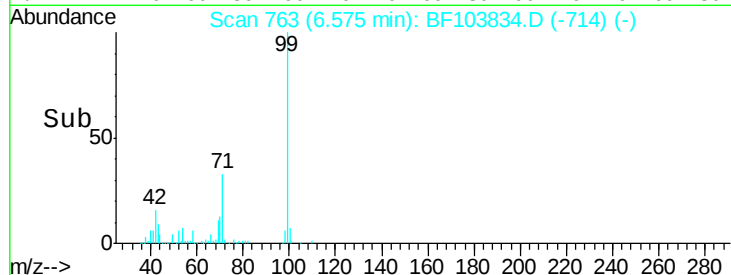
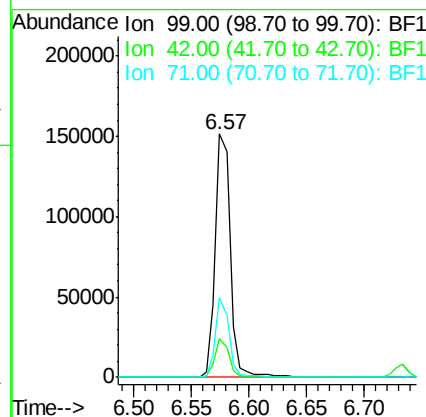
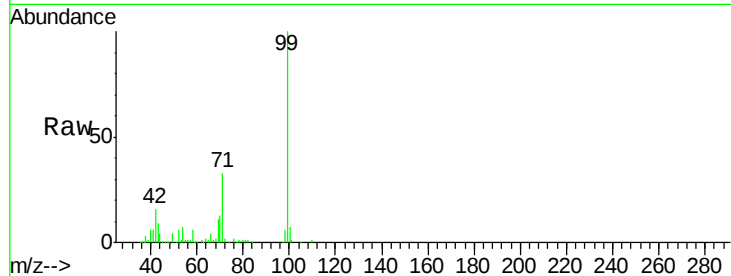
ClientSampleId :

MW-105(3-4)DL

Tot Ion:	99	Resp:	137941
Ion Ratio	Lower	Upper	
99	100		
42	15.8	14.5	21.7
71	32.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

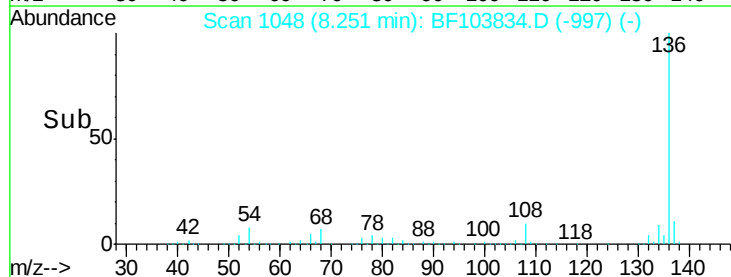
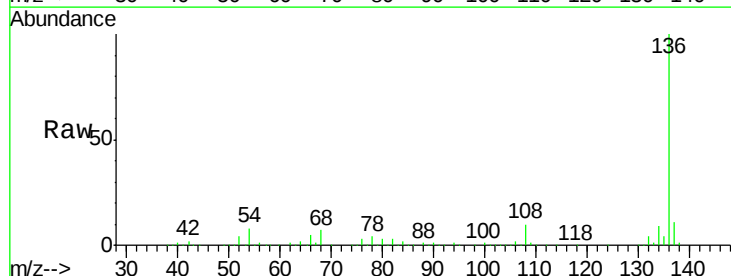
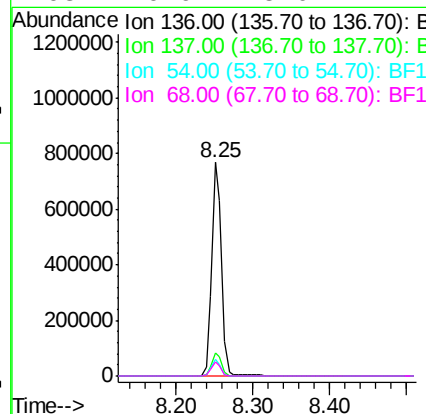
RT: 8.25 min Scan# 1048

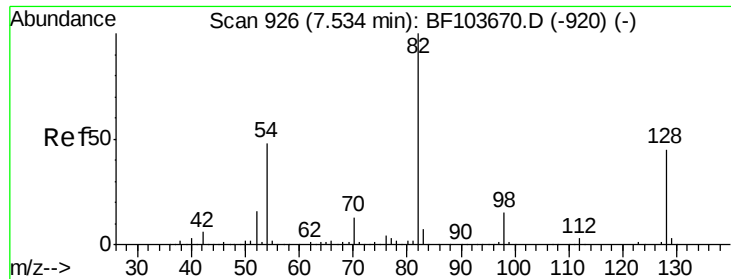
Delta R.T. -0.00 min

Lab File: BF103834.D

Acq: 21 Mar 2018 6:28

Tgt Ion:	136	Resp:	668625
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.5	6.6	9.8
68	6.9	5.0	7.4





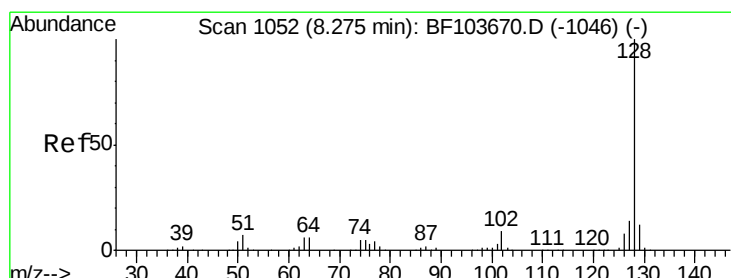
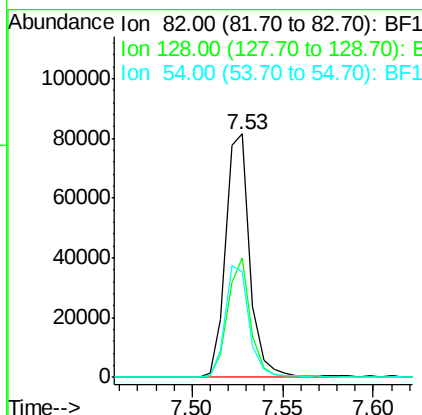
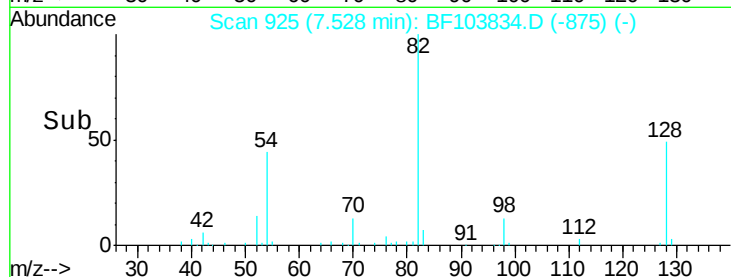
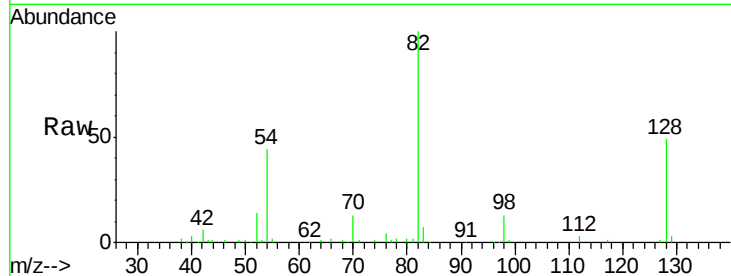
#23
 Nitrobenzene-d5
 Concen: 7.985 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF103834.D
 Acq: 21 Mar 2018 6:28

Instrument :
 BNA_F
 ClientSampleID :
 MW-105(3-4)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.2	36.1	54.1
54	43.5	41.4	62.2

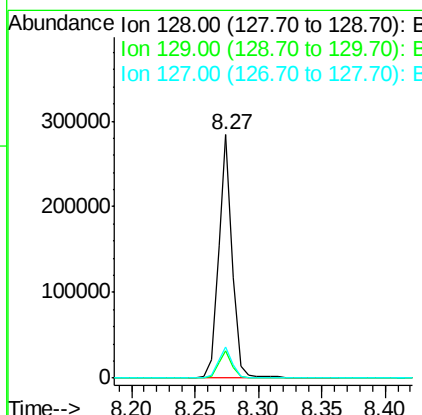
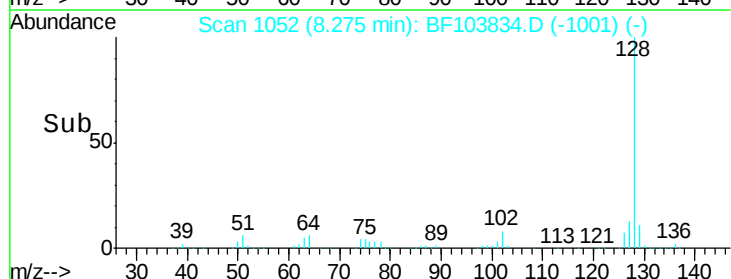
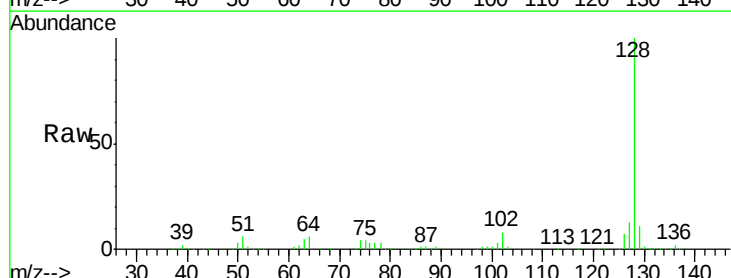
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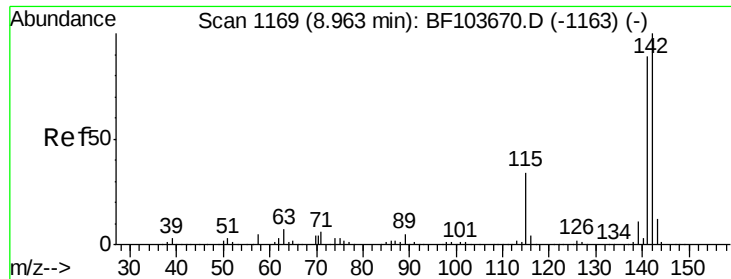
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#31
 Naphthalene
 Concen: 6.331 ng
 RT: 8.27 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: BF103834.D
 Acq: 21 Mar 2018 6:28

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	12.9	10.9	16.3





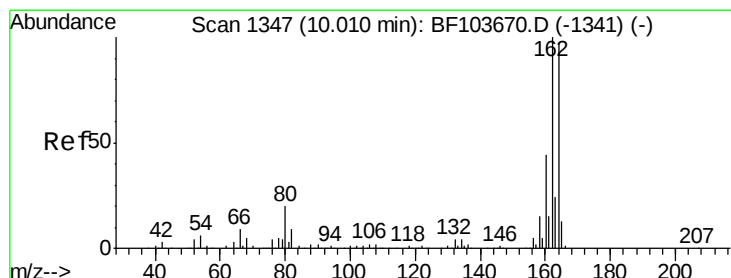
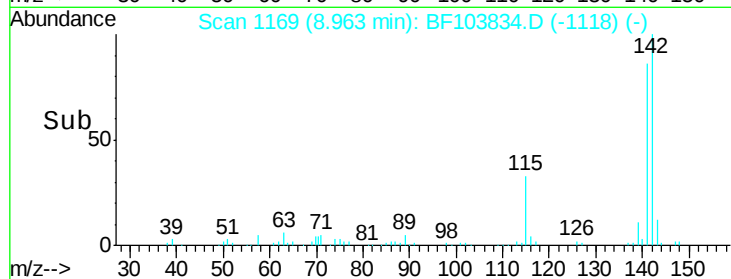
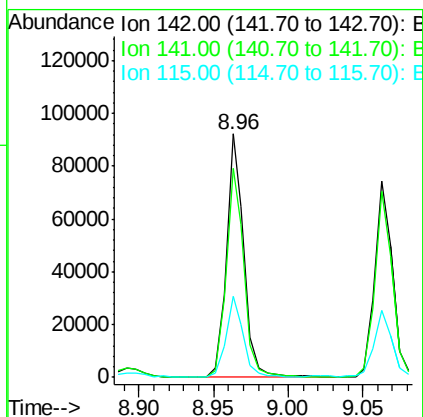
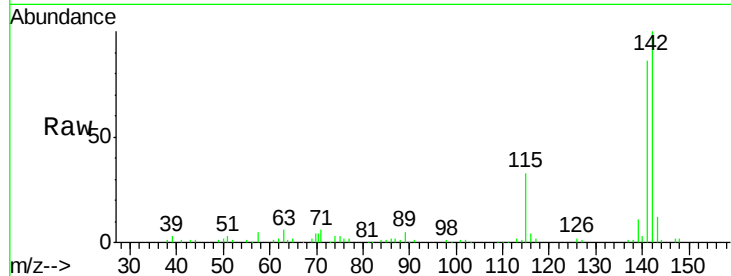
#37
2-Methylnaphthalene
Concen: 3.563 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF103834.D
Acq: 21 Mar 2018 6:28

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.8	70.8	106.2
115	33.4	26.1	39.1

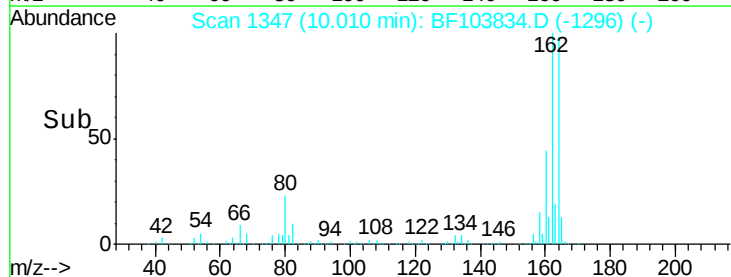
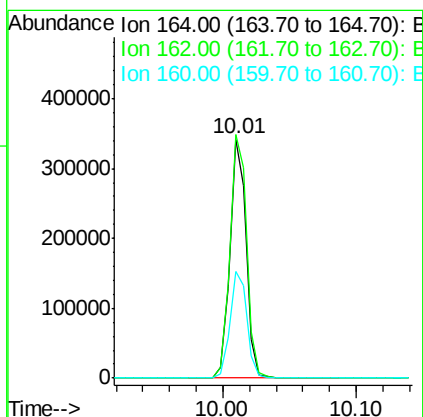
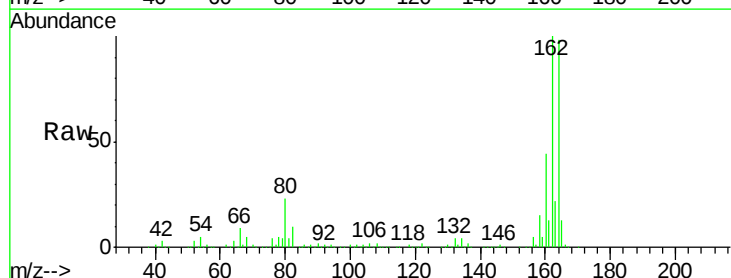
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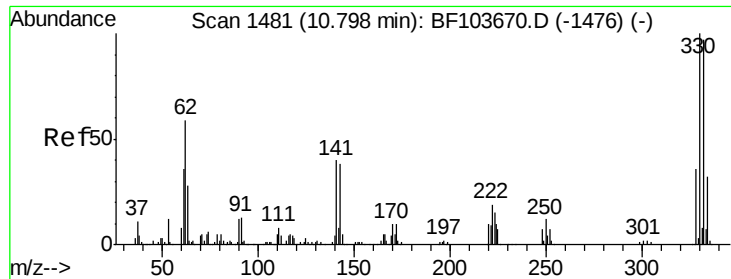
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.00 min
Lab File: BF103834.D
Acq: 21 Mar 2018 6:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	86.1	129.1
160	44.6	38.3	57.5





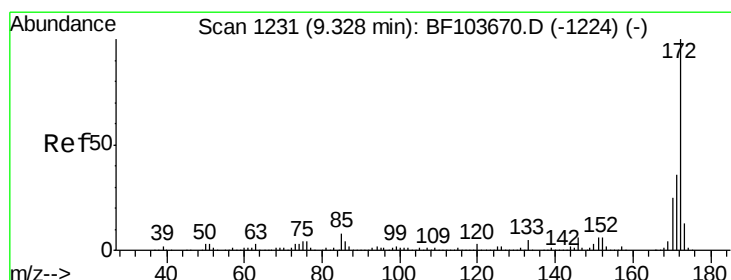
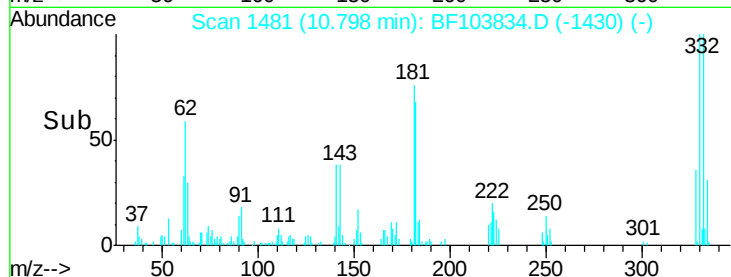
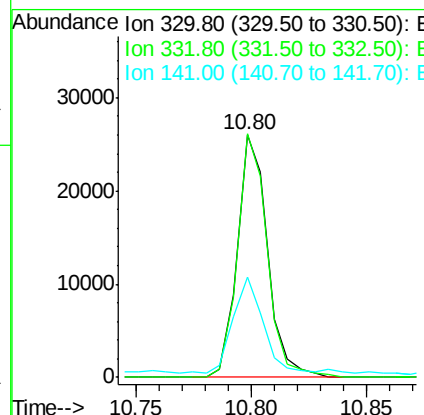
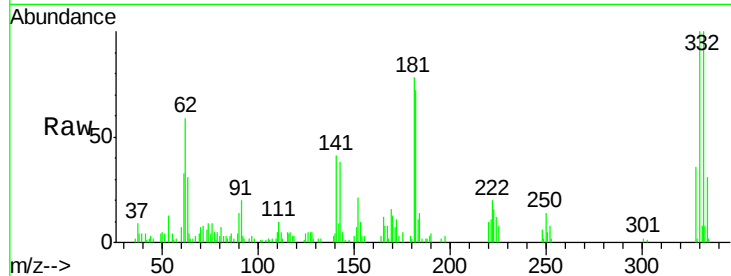
#41
 2,4,6-Tribromophenol
 Concen: 9.424 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: BF103834.D
 Acq: 21 Mar 2018 6:28

Instrument :
 BNA_F
 ClientSampleId :
 MW-105(3-4)DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	23730		
332	98.8	77.0	115.6	
141	40.1	29.9	44.9	

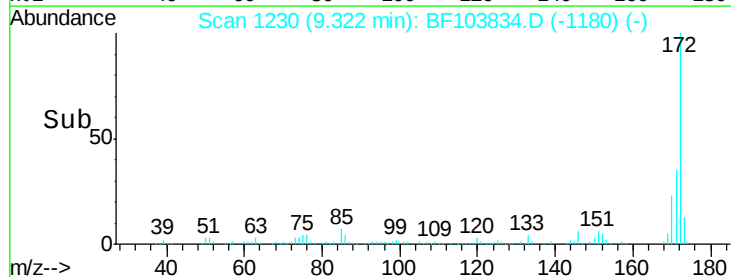
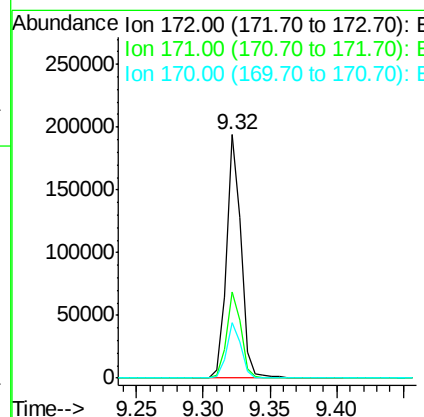
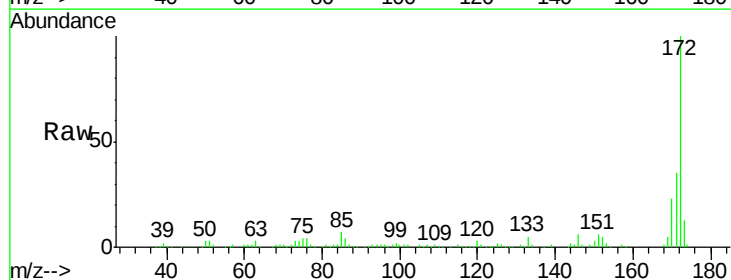
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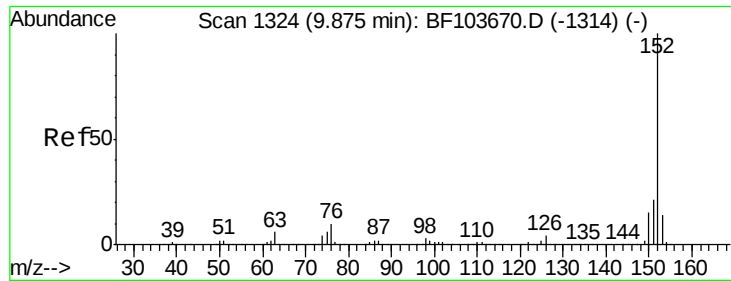
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#44
 2-Fluorobiphenyl
 Concen: 8.172 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF103834.D
 Acq: 21 Mar 2018 6:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	150023		
171	35.2	29.7	44.5	
170	22.9	19.6	29.4	





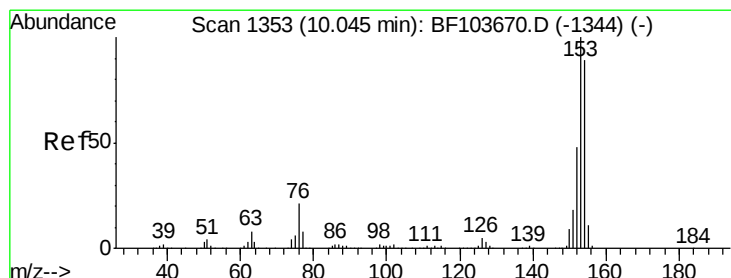
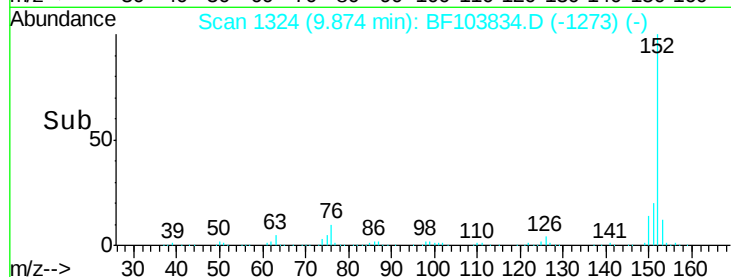
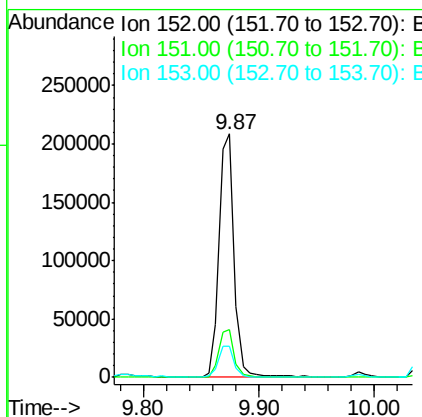
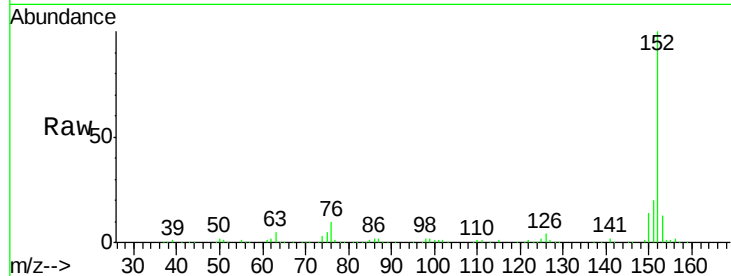
#48
Acenaphthylene
Concen: 6.351 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BF103834.D
Acq: 21 Mar 2018 6:28

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.3	24.5
153	12.6	10.7	16.1

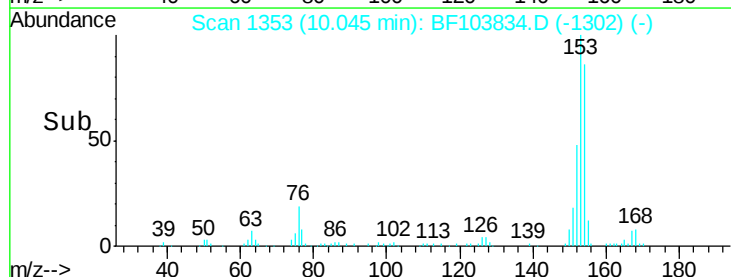
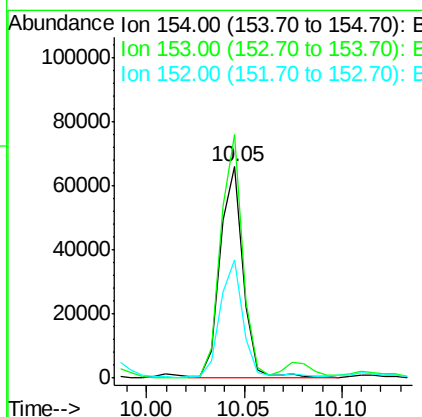
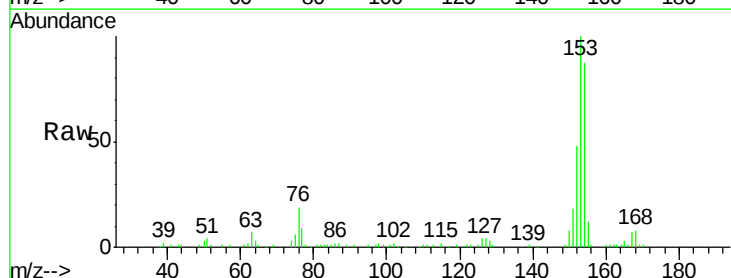
Manual Integrations
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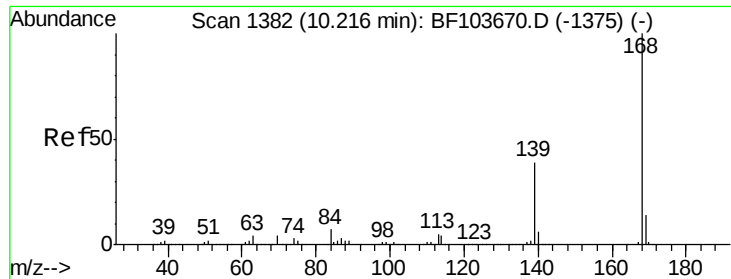
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#51
Acenaphthene
Concen: 3.038 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.00 min
Lab File: BF103834.D
Acq: 21 Mar 2018 6:28

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.1	91.2	136.8
152	55.7	43.8	65.8





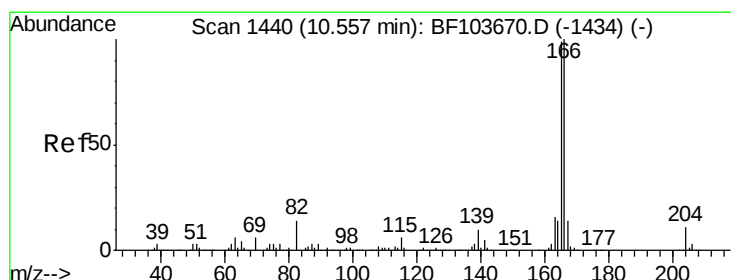
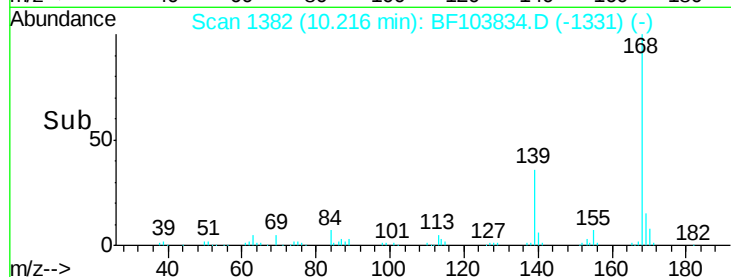
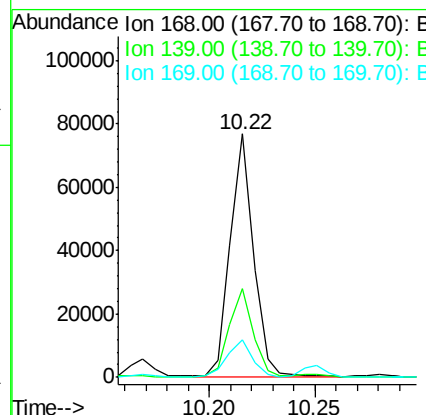
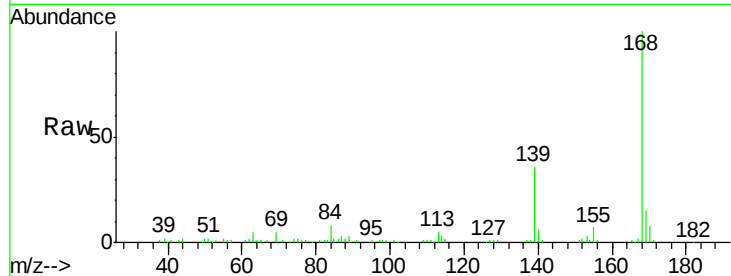
#54
Dibenzofuran
Concen: 2.323 ng
RT: 10.22 min Scan# 1382
Delta R.T. -0.00 min
Lab File: BF103834.D
Acq: 21 Mar 2018 6:28

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.3	30.1	45.1
169	15.3	10.9	16.3

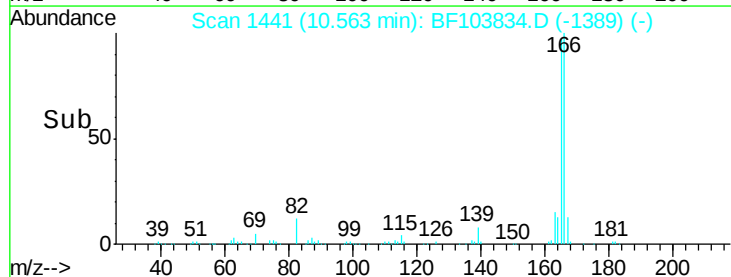
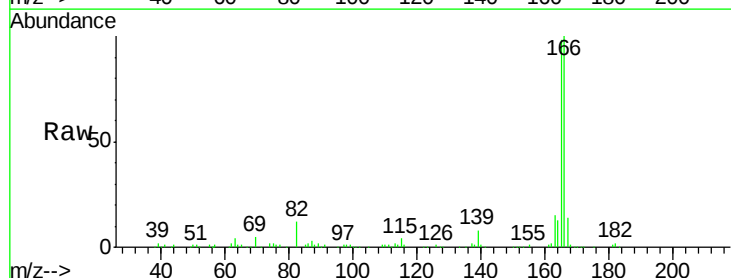
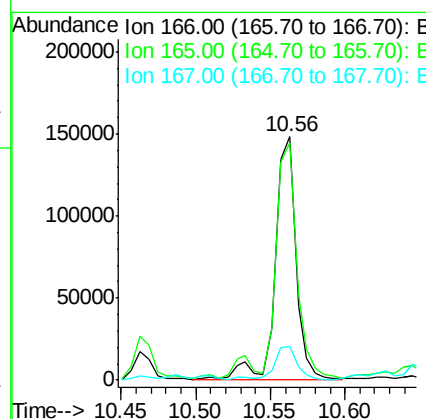
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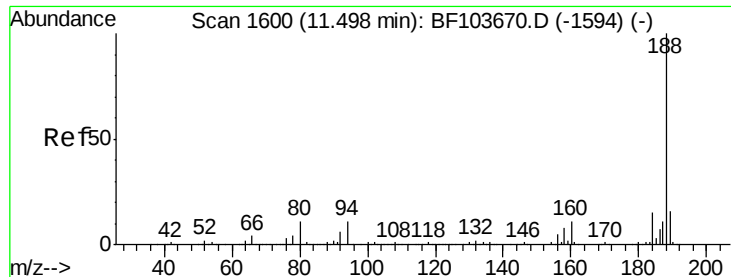
Sohil
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#57
Fluorene
Concen: 7.281 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.01 min
Lab File: BF103834.D
Acq: 21 Mar 2018 6:28

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.5	79.8	119.8
167	13.7	10.6	16.0





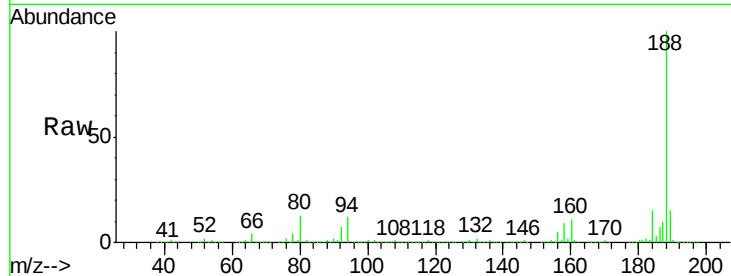
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF103834.D
Acq: 21 Mar 2018 6:28

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)DL

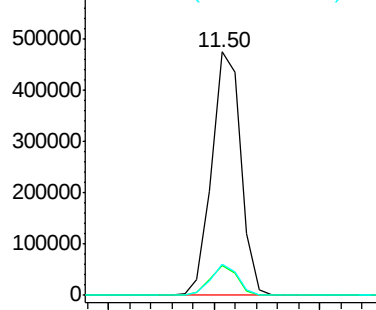
Tot Ion	Ratio	Resp	Lower	Upper
188	100	451675		
94	12.0		8.5	12.7
80	12.9		9.2	13.8

Manual Integrations
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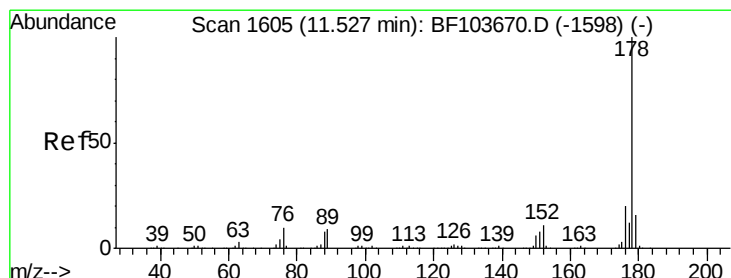
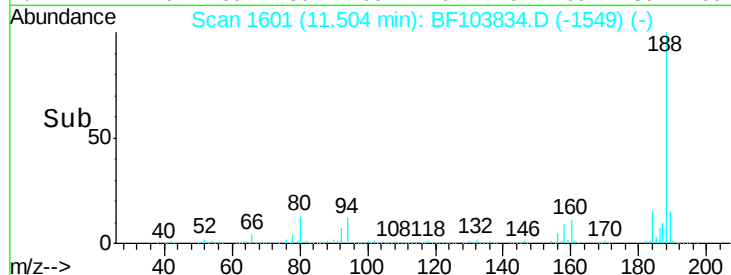
Sohil
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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

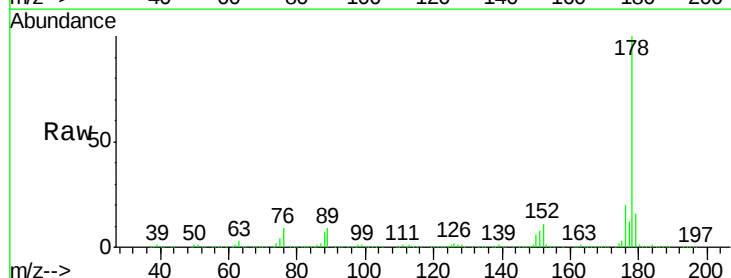


Time-->

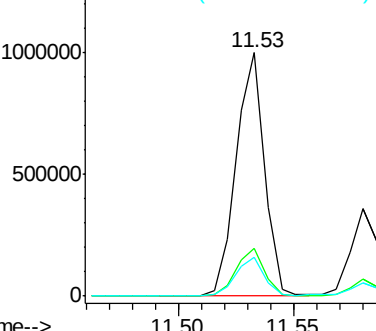


#70
Phenanthrene
Concen: 34.518 ng
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: BF103834.D
Acq: 21 Mar 2018 6:28

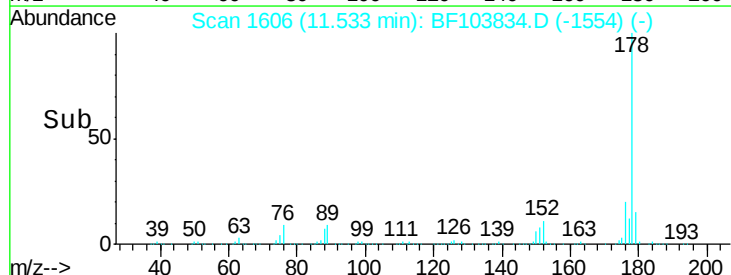
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	852869		
176	19.8		15.8	23.8
179	15.7		13.0	19.6

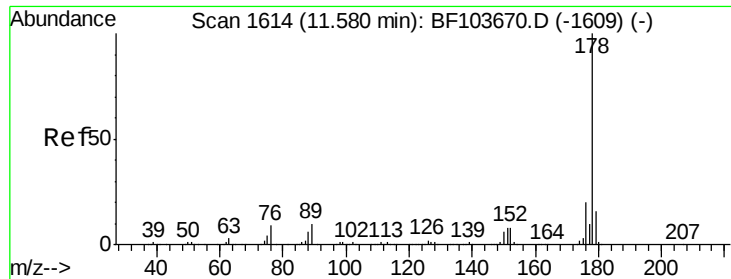


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





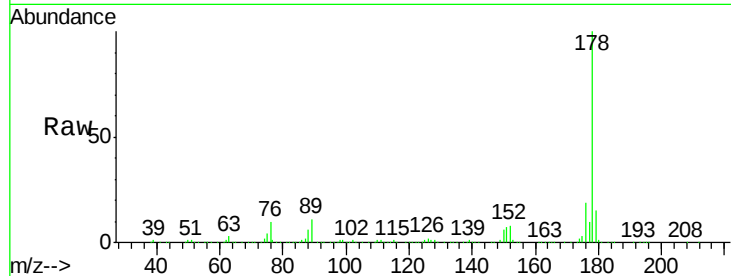
#71
 Anthracene
 Concen: 11.424 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.00 min
 Lab File: BF103834.D
 Acq: 21 Mar 2018 6:28

Instrument :
 BNA_F
 ClientSampleId :
 MW-105(3-4)DL

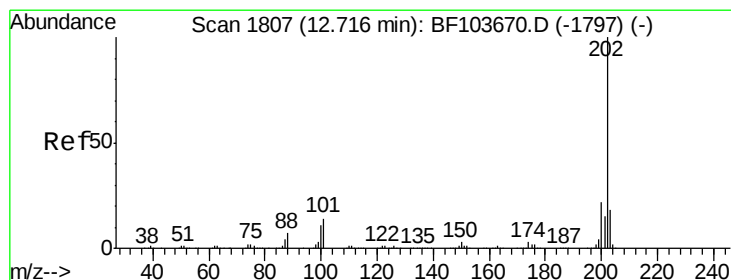
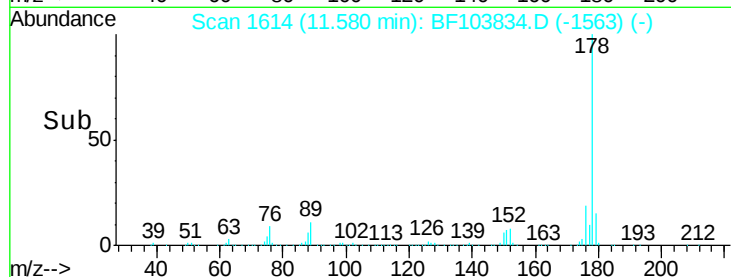
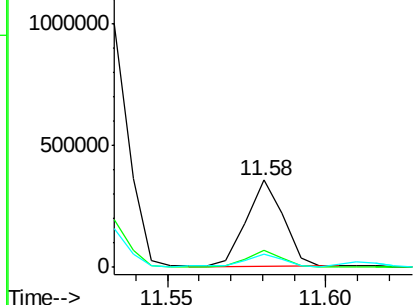
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.4	12.6	19.0

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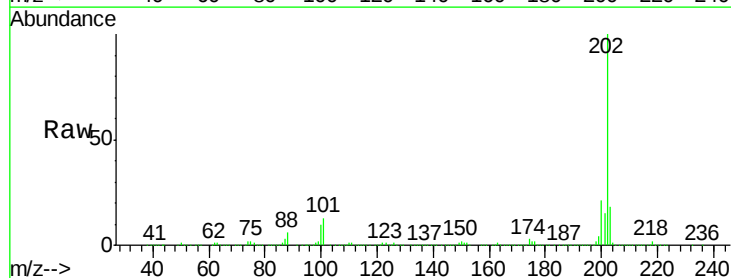


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

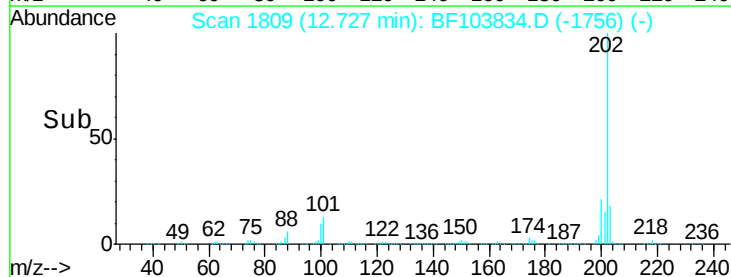
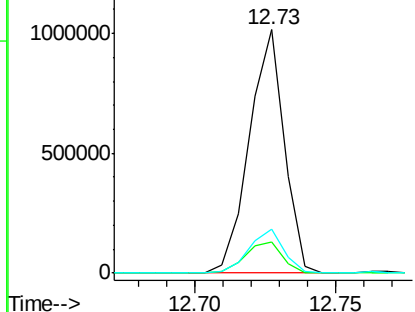


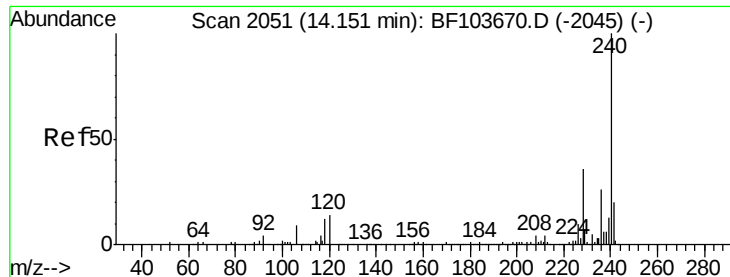
#74
 Fluoranthene
 Concen: 34.197 ng
 RT: 12.73 min Scan# 1809
 Delta R.T. 0.01 min
 Lab File: BF103834.D
 Acq: 21 Mar 2018 6:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.1
203	17.8	0.0	38.1



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: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BF103834.D

Acq: 21 Mar 2018 6:28

Instrument :

BNA_F

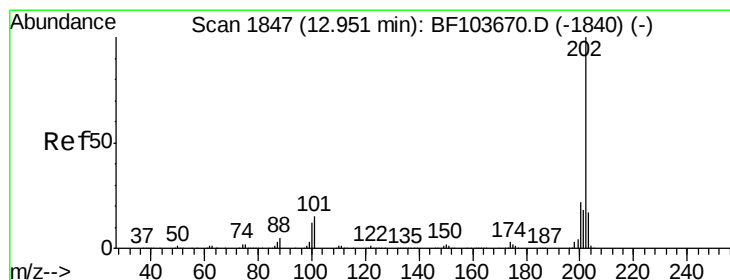
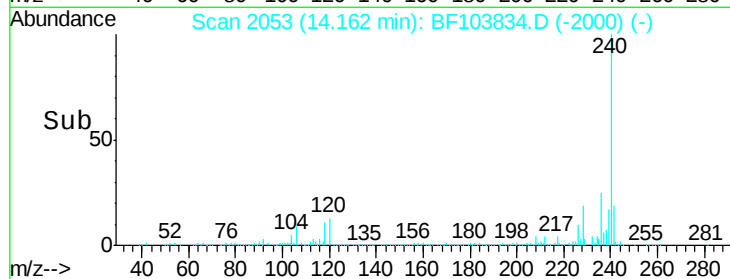
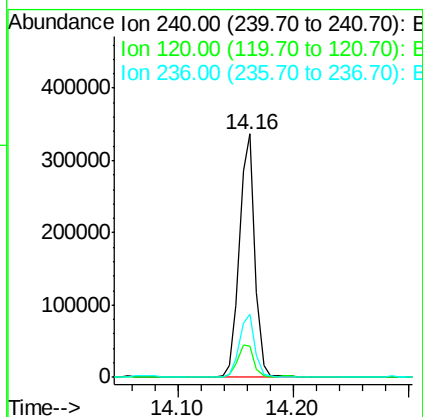
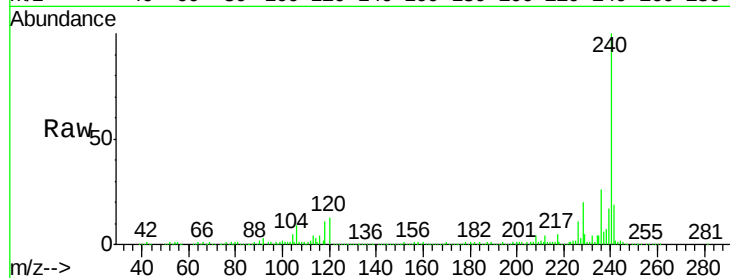
ClientSampled :

MW-105(3-4)DL

Tot Ion:	240	Resp:	311747
Ion Ratio	Lower	Upper	
240	100		
120	12.5	9.5	14.3
236	25.9	20.7	31.1

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#77

Pyrene

Concen: 40.376 ng

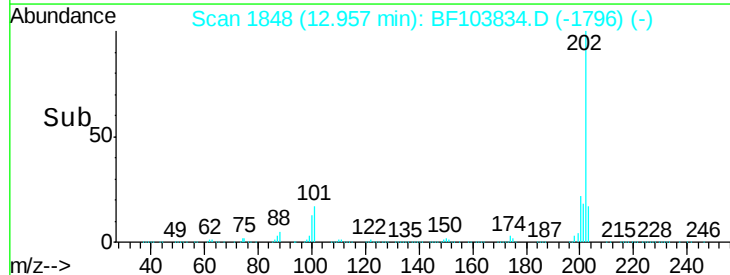
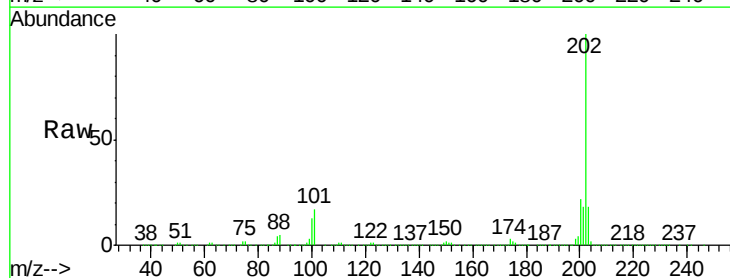
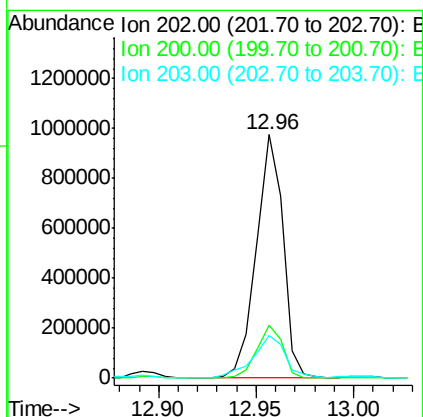
RT: 12.96 min Scan# 1848

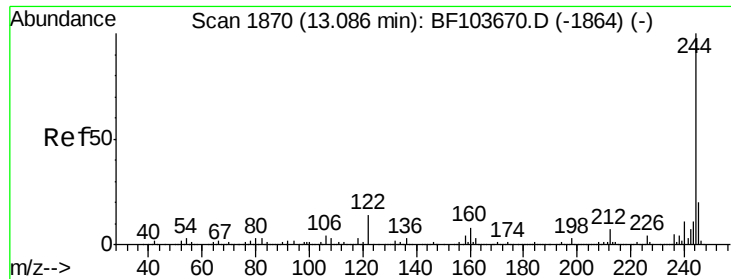
Delta R.T. 0.01 min

Lab File: BF103834.D

Acq: 21 Mar 2018 6:28

Tgt Ion:	202	Resp:	924381
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	17.7	14.3	21.5





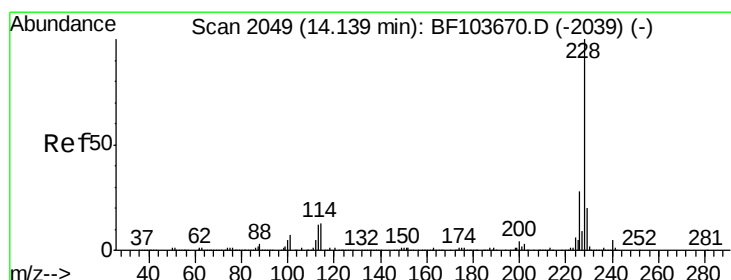
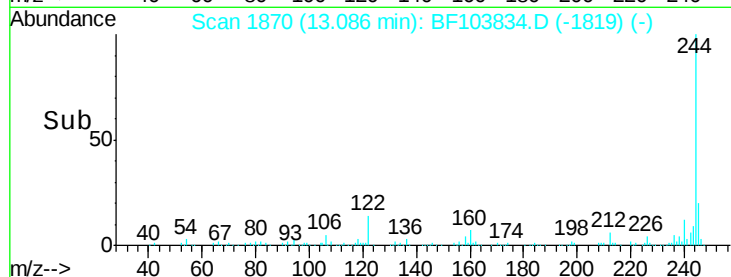
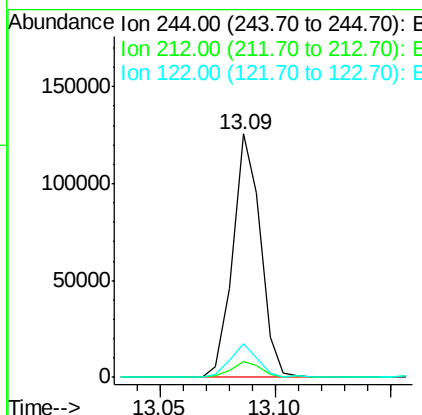
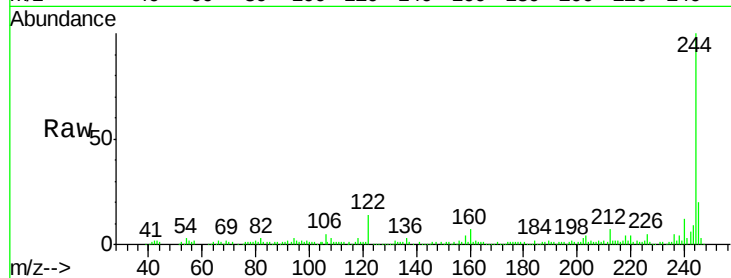
#78
 Terphenyl-d14
 Concen: 7.782 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: BF103834.D
 Acq: 21 Mar 2018 6:28

Instrument :
 BNA_F
 ClientSampleId :
 MW-105(3-4)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	14.0	11.0	16.4

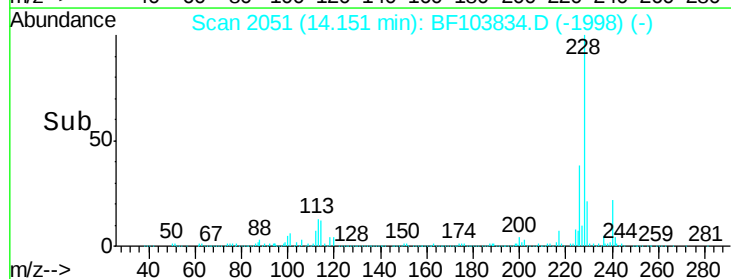
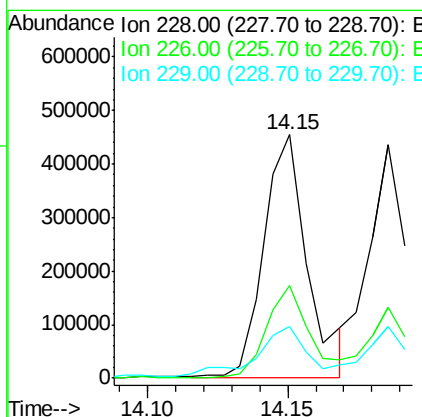
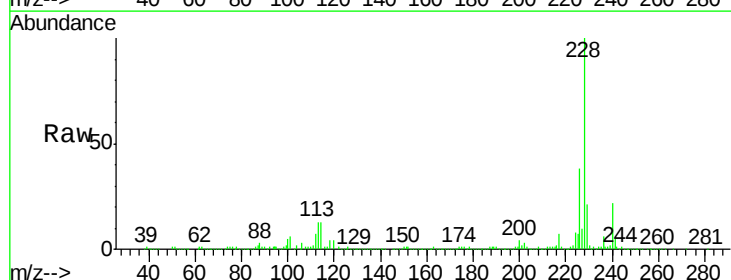
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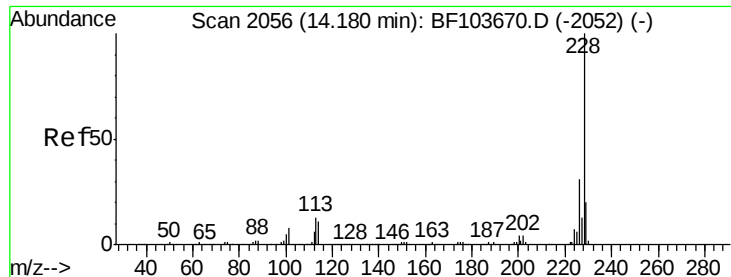
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#80
 Benzo(a)anthracene
 Concen: 24.645 ng m
 RT: 14.15 min Scan# 2051
 Delta R.T. 0.01 min
 Lab File: BF103834.D
 Acq: 21 Mar 2018 6:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.9	22.6	33.8#
229	21.2	15.8	23.6





#82

Chrysene

Concen: 22.494 ng/mL

RT: 14.19 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BF103834.D

Acq: 21 Mar 2018 6:28

Instrument:

BNA_F

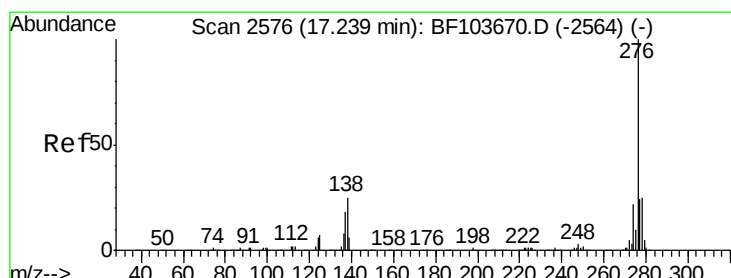
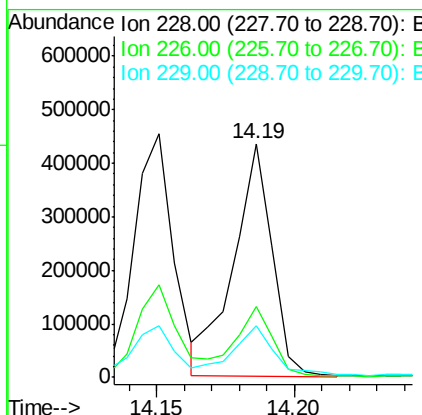
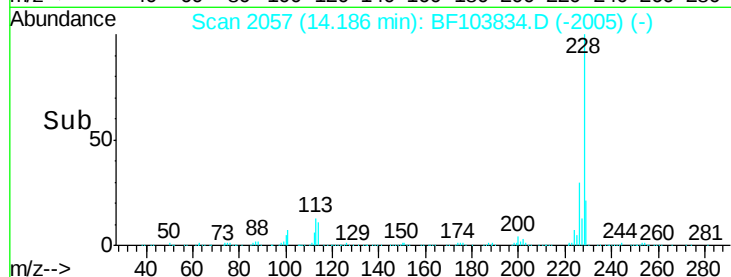
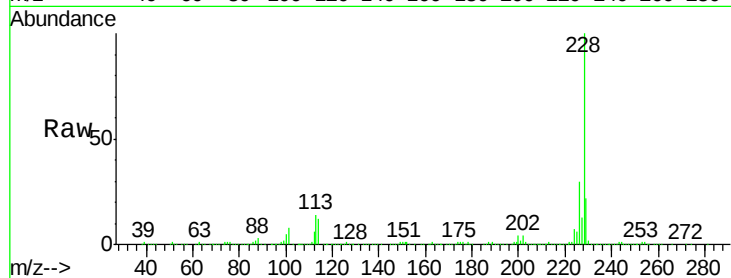
ClientSampleID:

MW-105(3-4)DL

Tot Ion:	228	Resp:	423130
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.6
229	22.2	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 10.560 ng

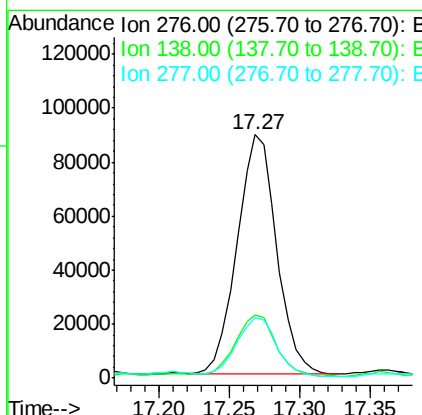
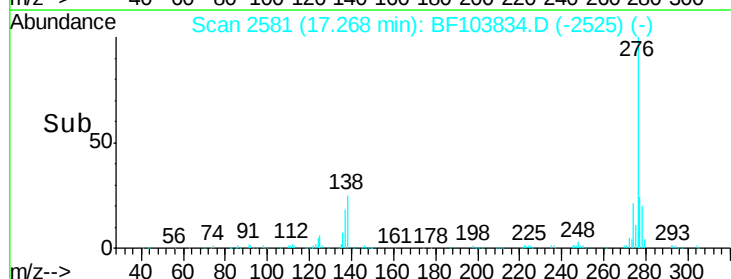
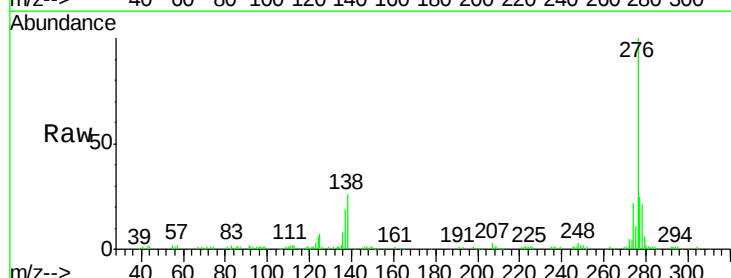
RT: 17.27 min Scan# 2581

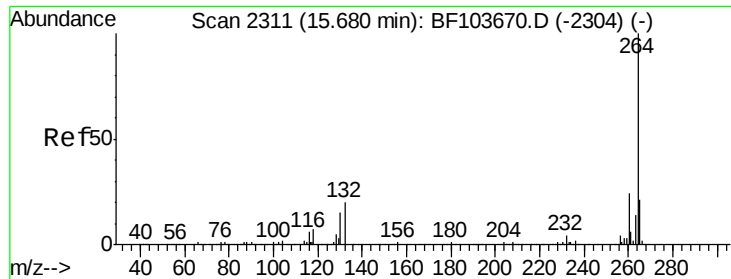
Delta R.T. 0.03 min

Lab File: BF103834.D

Acq: 21 Mar 2018 6:28

Tgt Ion:	276	Resp:	173468
Ion Ratio	Lower	Upper	
276	100		
138	26.3	25.0	37.6
277	24.9	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2315

Delta R.T. 0.02 min

Lab File: BF103834.D

Acq: 21 Mar 2018 6:28

Instrument :

BNA_F

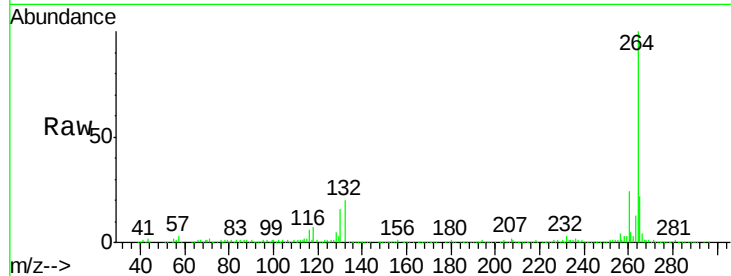
ClientSampleId :

MW-105(3-4)DL

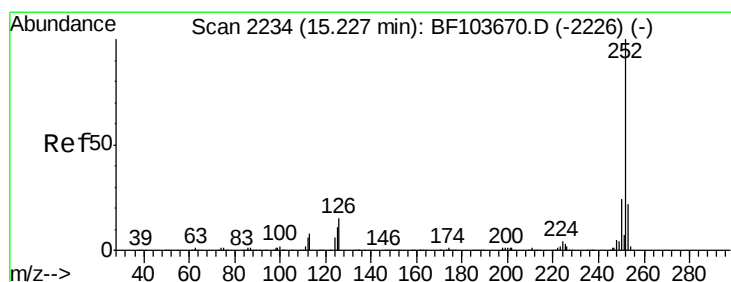
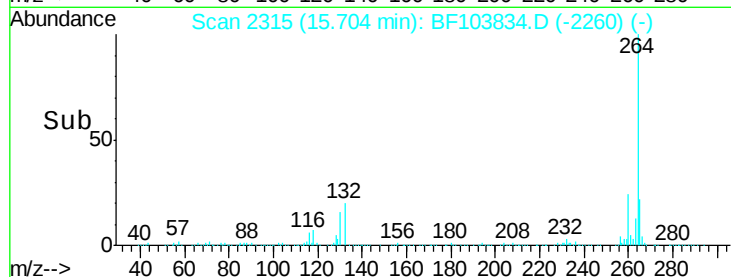
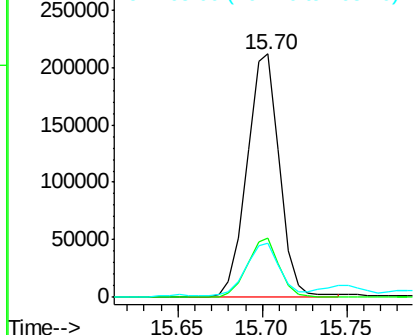
Tot Ion:	264	Resp:	281238
Ion Ratio		Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.1	17.5	26.3

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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: 25.815 ng m

RT: 15.24 min Scan# 2237

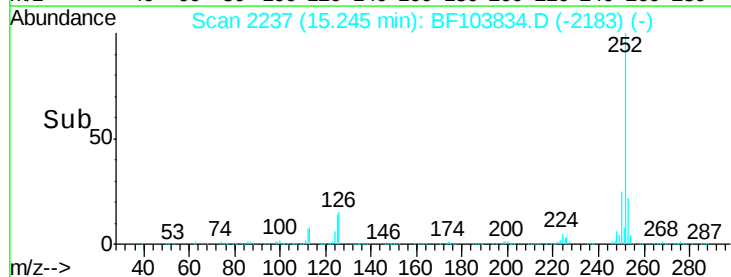
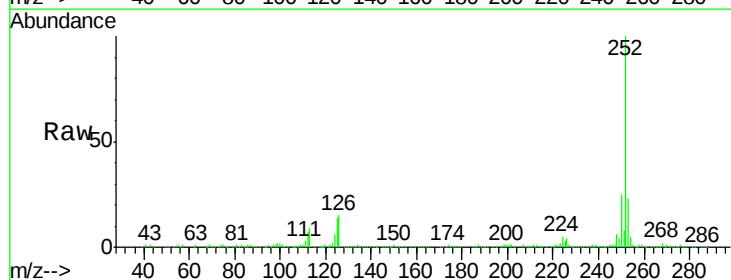
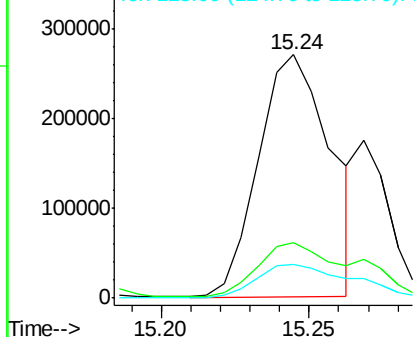
Delta R.T. 0.02 min

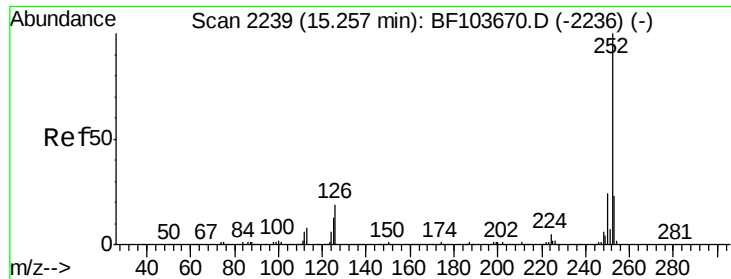
Lab File: BF103834.D

Acq: 21 Mar 2018 6:28

Tgt Ion:	252	Resp:	458681
Ion Ratio		Lower	Upper
252	100		
253	22.7	17.0	25.6
125	13.8	9.0	13.6#

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





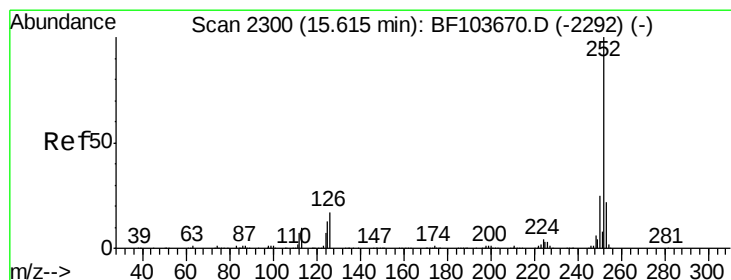
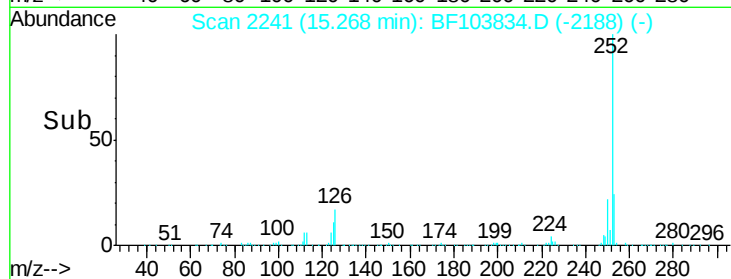
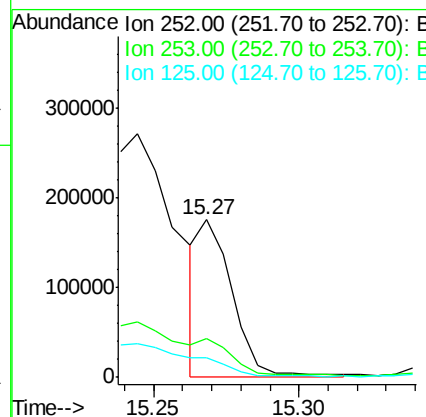
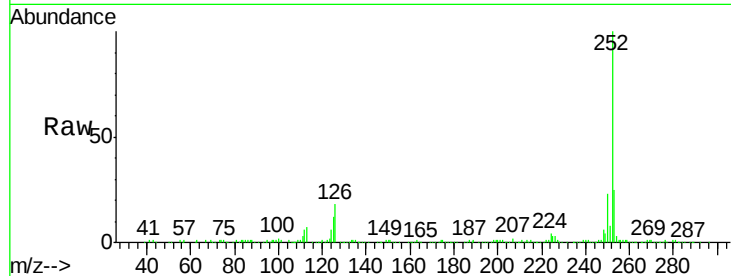
#88
Benzo(k)fluoranthene
Concen: 8.270 ng m
RT: 15.27 min Scan# 2241
Delta R.T. 0.01 min
Lab File: BF103834.D
Acq: 21 Mar 2018 6:28

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	12.2	10.2	15.2

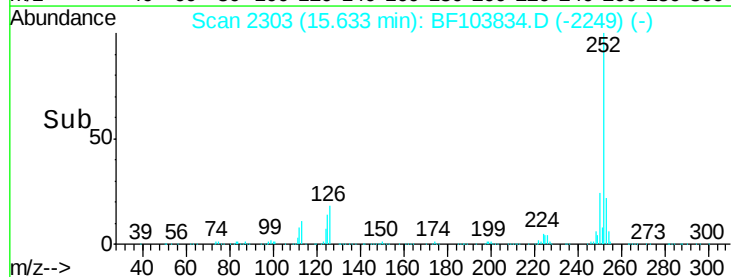
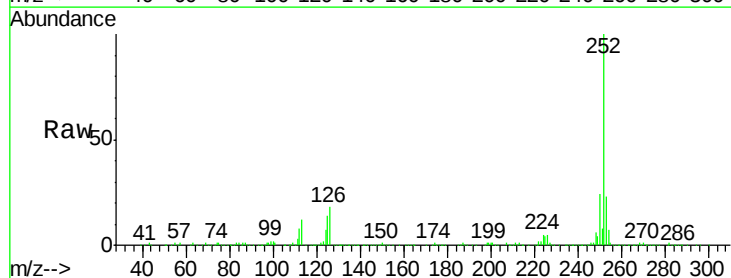
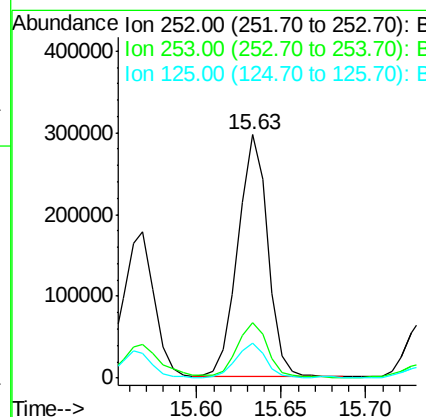
Manual Integrations
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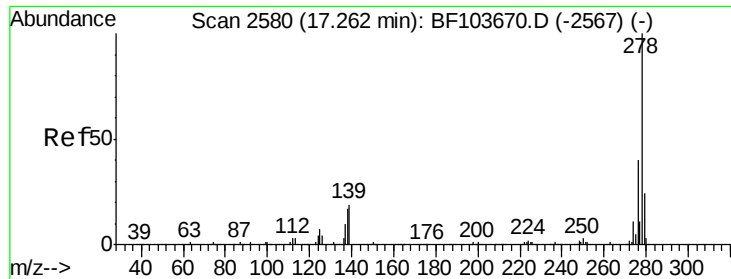
Sohil
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#89
Benzo(a)pyrene
Concen: 22.573 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.02 min
Lab File: BF103834.D
Acq: 21 Mar 2018 6:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	14.1	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 3.441 ng

RT: 17.27 min Scan# 2582

Delta R.T. 0.01 min

Lab File: BF103834.D

Acq: 21 Mar 2018 6:28

Instrument :

BNA_F

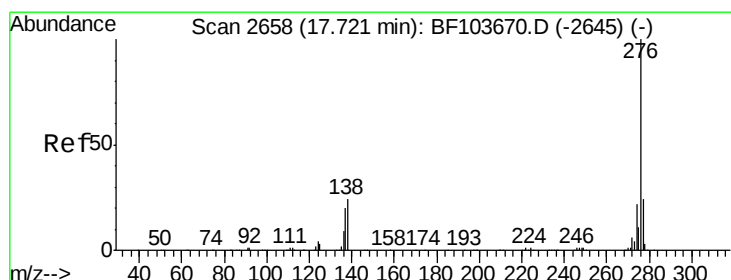
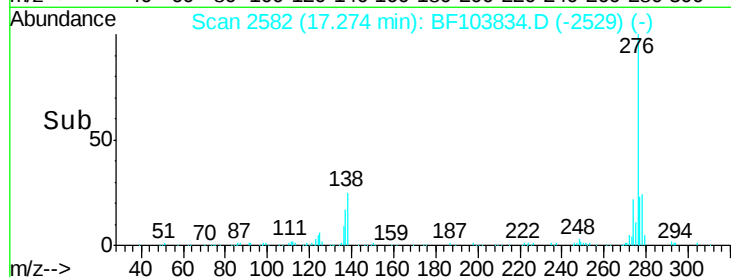
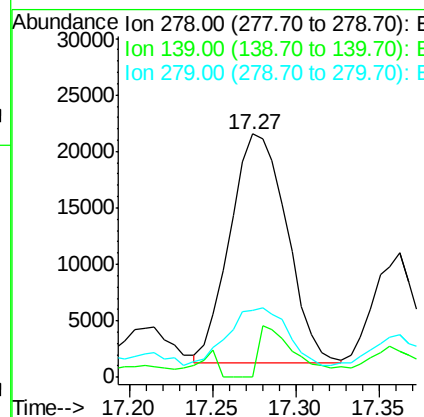
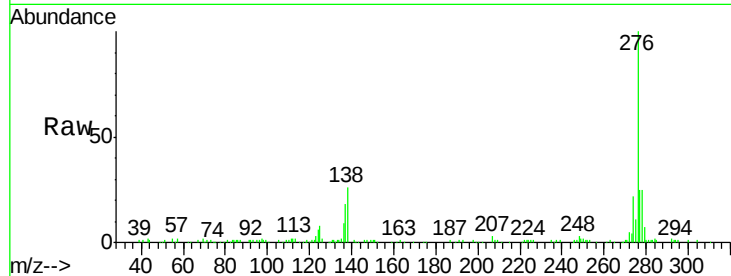
ClientSampleId :

MW-105(3-4)DL

Tot Ion:	278	Resp:	48019
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9#
279	27.4	19.0	28.4

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 12.688 ng

RT: 17.75 min Scan# 2663

Delta R.T. 0.03 min

Lab File: BF103834.D

Acq: 21 Mar 2018 6:28

Tgt Ion:	276	Resp:	172246
Ion Ratio	Lower	Upper	
276	100		
277	23.4	17.9	26.9
138	25.3	21.8	32.8

