

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
 Data File : BM010553.D
 Acq On : 13 Jun 2017 01:56
 Operator : SJ/MA
 Sample : I3522-18DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 F5C32DL

Manual Integrations
 APPROVED

mohammad
 6/13/2017 3:54:53 PM

Quant Time: Jun 13 05:01:33 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 13 03:33:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	115672	20.00	ng/ul	0.00
18) Naphthalene-d8	10.69	136	396929	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	299440	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	849094	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1343467	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1312044	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	1279	0.45	ng/uL	0.01
5) Phenol-d5	7.07	99	26541	3.03	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	16693	3.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	25497	3.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.61	113	24382	3.45	ng/ul	0.00
19) Nitrobenzene-d5	9.06	128	12262m	4.22	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.79	143	11487	3.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.32	165	29807	4.31	ng/ul	0.00
29) 4-Chloroaniline-d4	10.86	131	28957	4.34	ng/ul	0.00
43) Dimethylphthalate-d6	13.94	166	121308	4.88	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	122508	4.22	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	7420	1.99	ng/ul	0.00
57) Fluorene-d10	15.52	176	107730	4.93	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.66	200	12883	2.14	ng/ul	0.01
70) Anthracene-d10	17.37	188	190403	4.61	ng/ul	0.00
76) Pyrene-d10	19.66	212	266933	4.80	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.62	264	289813	4.74	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.74	128	41296	2.074	ng/ul	97
34) 2-Methylnaphthalene	12.34	142	420020	27.826	ng/ul	94
40) 1,1'-Biphenyl	13.35	154	225343	9.277	ng/ul	95
44) Dimethylphthalate	13.99	163	70242	2.871	ng/ul	99
47) Acenaphthylene	14.24	152	69169	2.439	ng/ul#	86
49) Acenaphthene	14.59	153	1874747	94.250	ng/ul	98
53) Dibenzofuran	14.93	168	2447431	83.209	ng/ul	93
58) Fluorene	15.57	166	2800746	116.084	ng/ul	99
69) Phenanthrene	17.32	178	14879161m	328.248	ng/ul	
71) Anthracene	17.41	178	1771088	37.426	ng/ul	98
72) Carbazole	17.69	167	66072	1.650	ng/ul#	82
74) Fluoranthene	19.33	202	11397606	204.471	ng/ul	99
77) Pyrene	19.69	202	7747565	111.911	ng/ul#	95
80) Benzo(a)anthracene	21.43	228	2816516	37.177	ng/ul	98
82) Chrysene	21.48	228	2011703	29.374	ng/ul	96
85) Benzo(b)fluoranthene	23.06	252	2253944	29.523	ng/ul#	99
86) Benzo(k)fluoranthene	23.10	252	545623m	7.481	ng/ul	
88) Benzo(a)pyrene	23.67	252	1354729m	17.902	ng/ul	
89) Indeno(1,2,3-cd)pyrene	26.14	276	553517	5.789	ng/ul#	93
90) Dibenzo(a,h)anthracene	26.15	278	171175m	2.079	ng/ul	
91) Benzo(g,h,i)perylene	26.88	276	404799	5.139	ng/ul	98

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Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C32DL

Manual Integrations
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Quant Time: Jun 13 05:01:33 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
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QLast Update : Tue Jun 13 03:33:28 2017
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

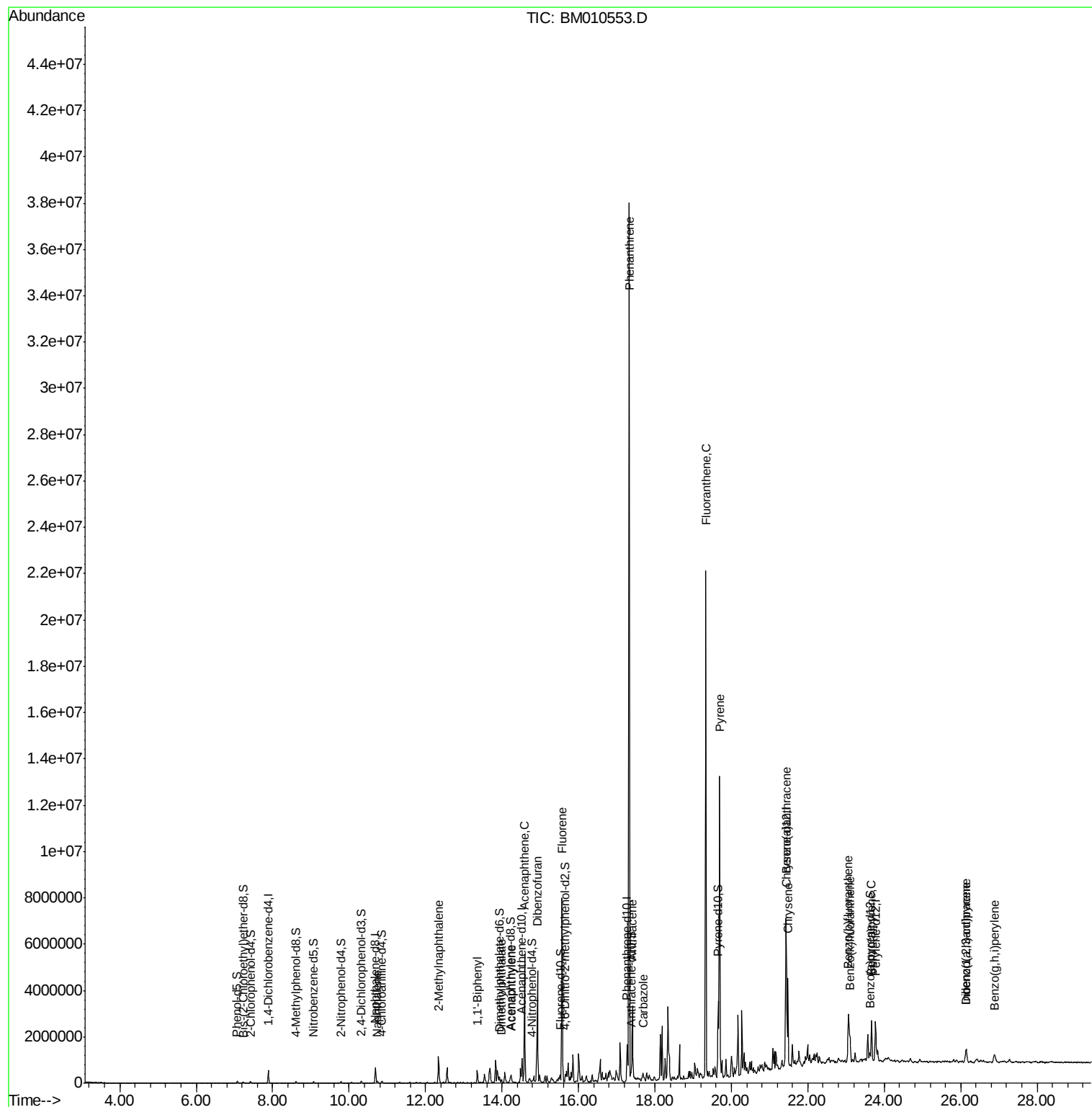
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
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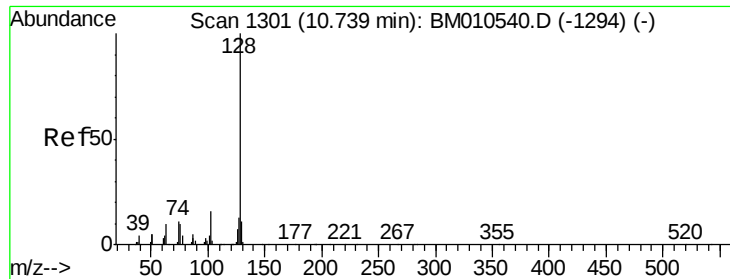
Instrument :
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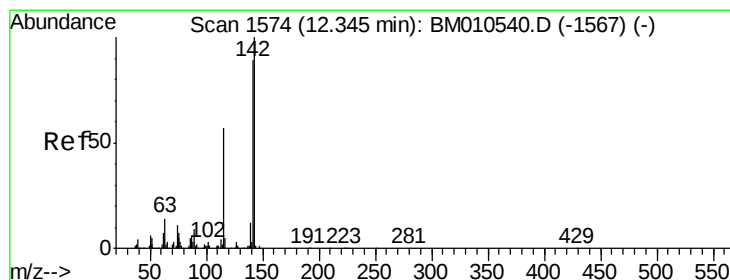
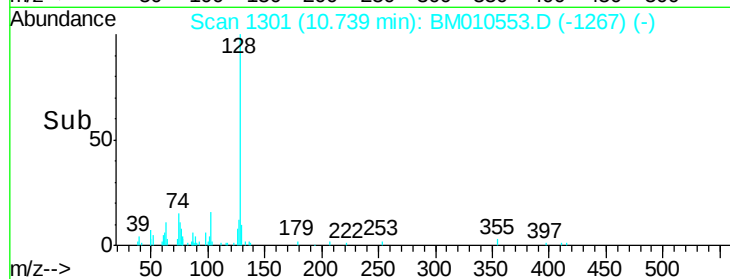
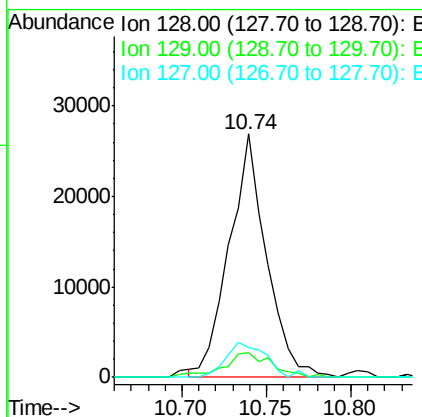
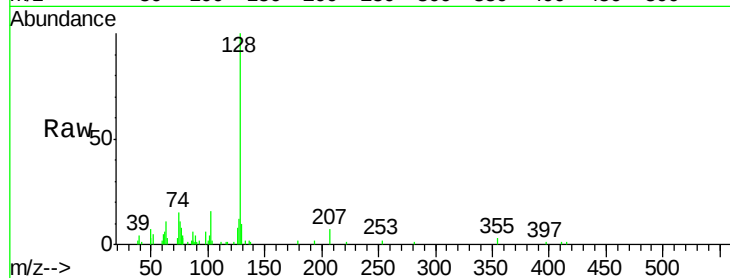
#28
Naphthalene
Concen: 2.074 ng/ul
RT: 10.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BM010553.D
Acq: 13 Jun 2017 01:56

Instrument :
BNA_M
ClientSampleId :
F5C32DL

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	41296		
129	10.0		8.8	13.2
127	12.2		10.6	16.0

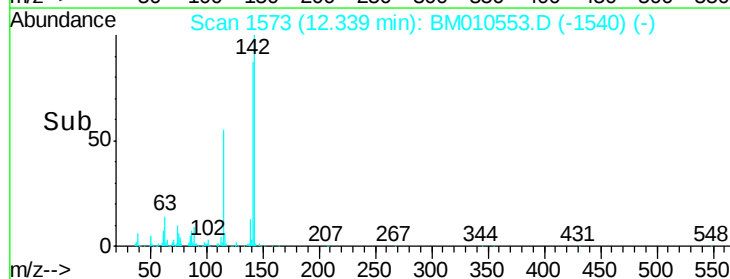
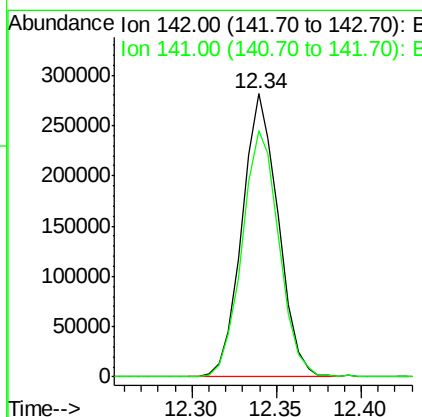
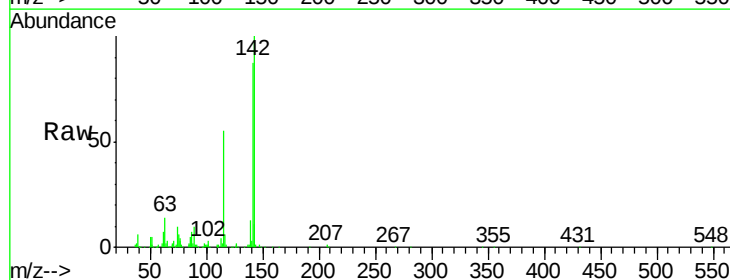
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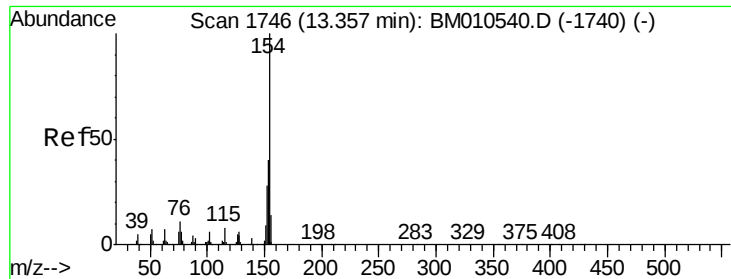
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#34
2-Methylnaphthalene
Concen: 27.826 ng/ul
RT: 12.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BM010553.D
Acq: 13 Jun 2017 01:56

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	420020		
141	86.9		74.1	111.1





#40

1,1'-Biphenyl

Concen: 9.277 ng/ul

RT: 13.35 min Scan# 1745

Delta R.T. -0.01 min

Lab File: BM010553.D

Acq: 13 Jun 2017 01:56

Instrument :

BNA_M

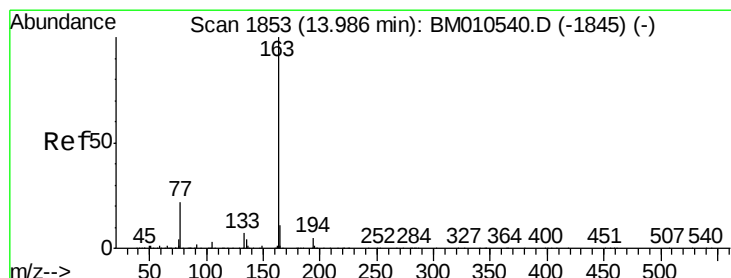
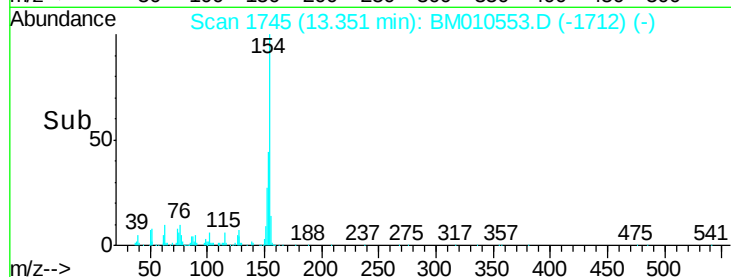
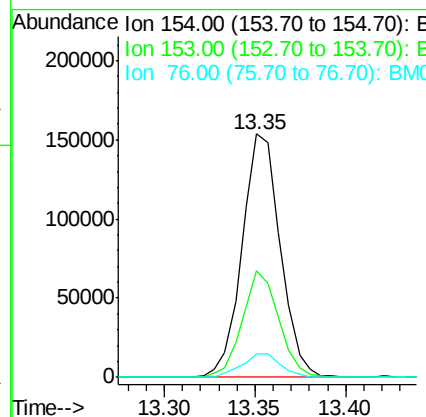
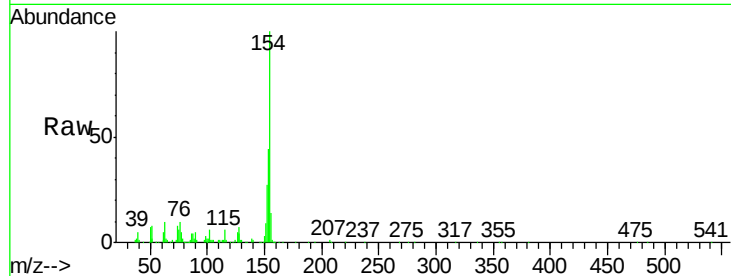
ClientSampleId :

F5C32DL

Tgt Ion:	154	Resp:	225343
Ion Ratio	Lower	Upper	
154	100		
153	44.1	32.6	48.8
76	9.6	8.5	12.7

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#44

Dimethylphthalate

Concen: 2.871 ng/ul

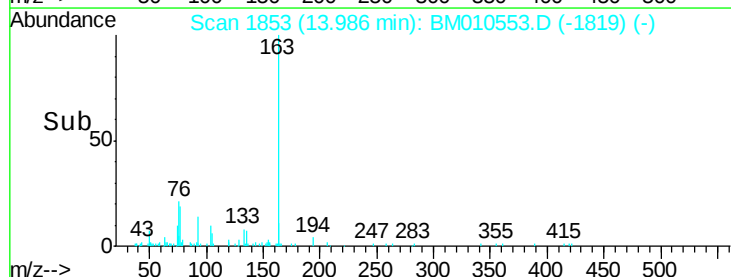
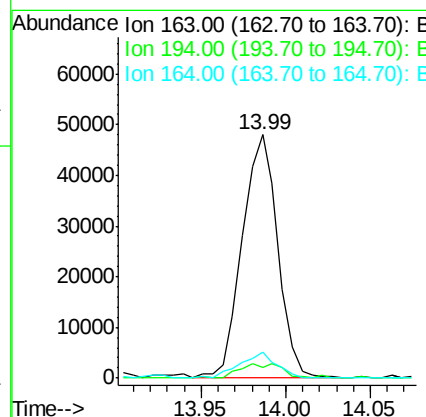
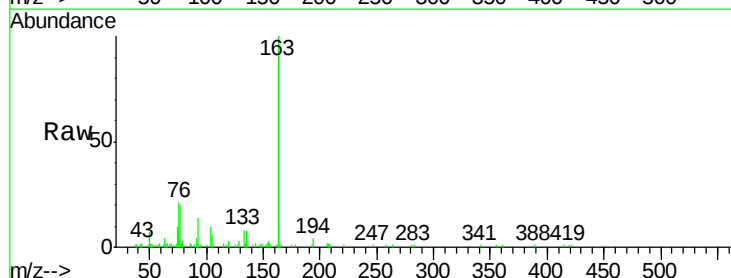
RT: 13.99 min Scan# 1853

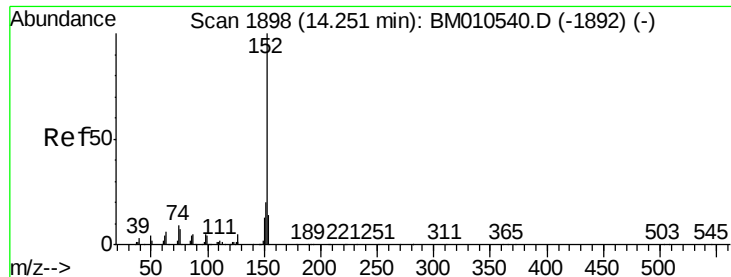
Delta R.T. 0.00 min

Lab File: BM010553.D

Acq: 13 Jun 2017 01:56

Tgt Ion:	163	Resp:	70242
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.5	5.3
164	10.9	8.2	12.4





#47

Acenaphthylene

Concen: 2.439 ng/ul

RT: 14.24 min Scan# 1897

Delta R.T. -0.01 min

Lab File: BM010553.D

Acq: 13 Jun 2017 01:56

Instrument :

BNA_M

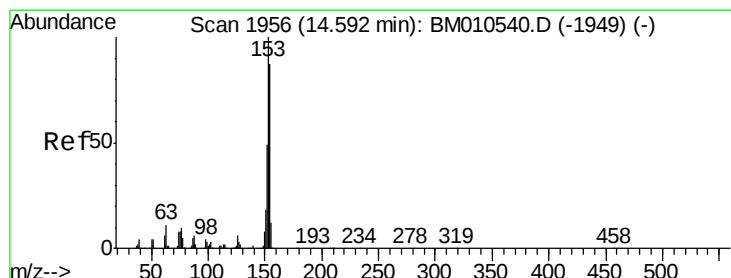
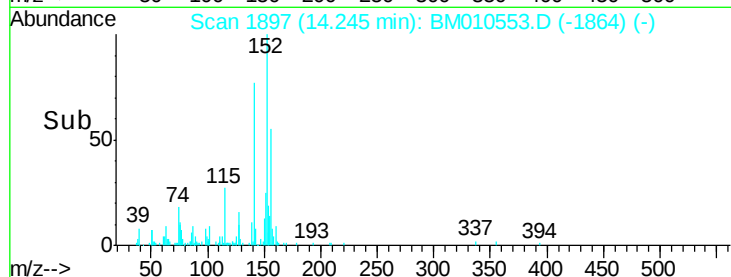
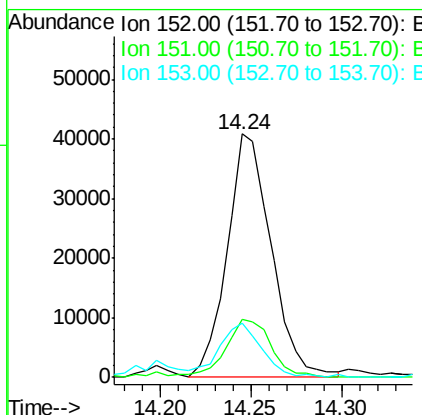
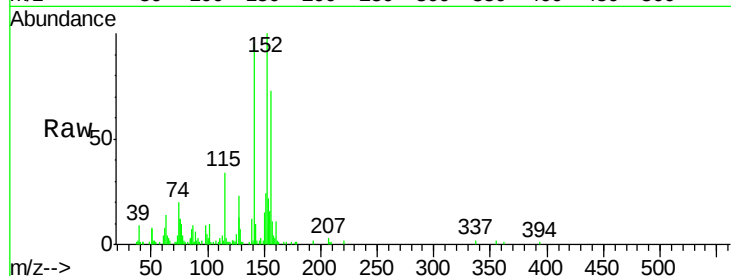
ClientSampled :

F5C32DL

Tgt Ion:	152	Resp:	69169
Ion Ratio	Lower	Upper	
152	100		
151	24.0	16.3	24.5
153	22.5	10.2	15.4

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#49

Acenaphthene

Concen: 94.250 ng/ul

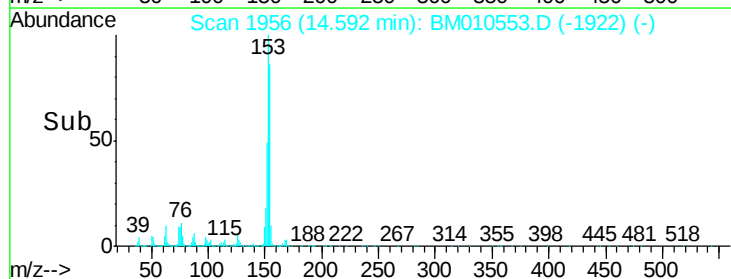
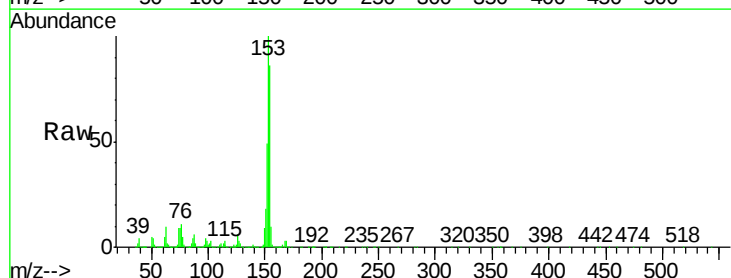
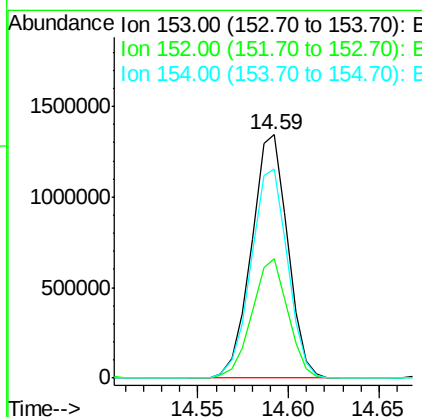
RT: 14.59 min Scan# 1956

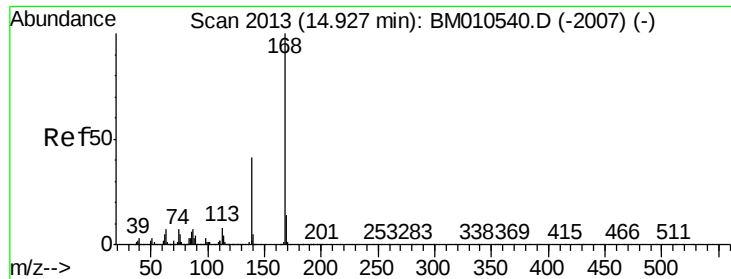
Delta R.T. 0.00 min

Lab File: BM010553.D

Acq: 13 Jun 2017 01:56

Tgt Ion:	153	Resp:	1874747
Ion Ratio	Lower	Upper	
153	100		
152	49.0	37.6	56.4
154	86.1	70.4	105.6





#53

Dibenzenofuran

Concen: 83.209 ng/ul

RT: 14.93 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BM010553.D

Acq: 13 Jun 2017 01:56

Instrument :

BNA_M

ClientSampleId :

F5C32DL

Tgt Ion:168 Resp: 2447431

Ion Ratio Lower Upper

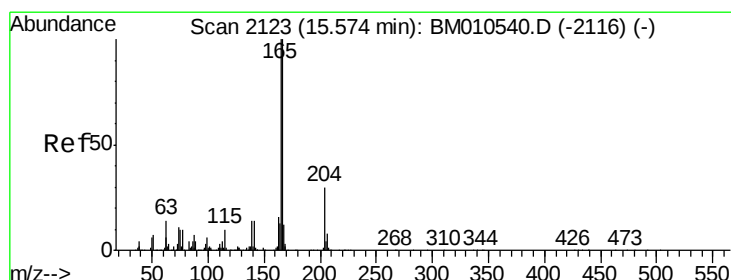
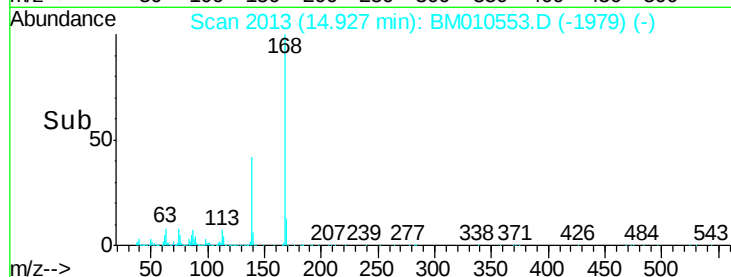
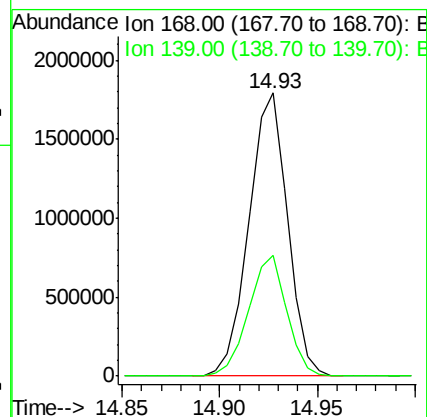
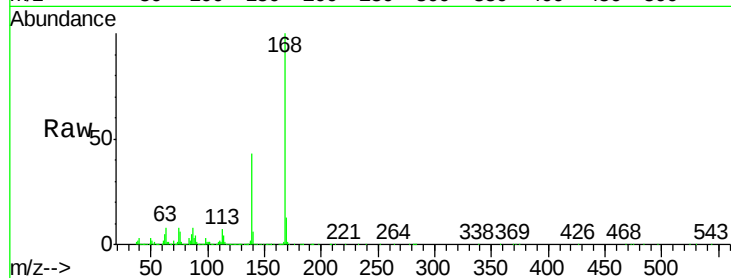
168 100

139 42.6 30.8 46.2

Manual Integrations
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#58

Fluorene

Concen: 116.084 ng/ul

RT: 15.57 min Scan# 2123

Delta R.T. 0.00 min

Lab File: BM010553.D

Acq: 13 Jun 2017 01:56

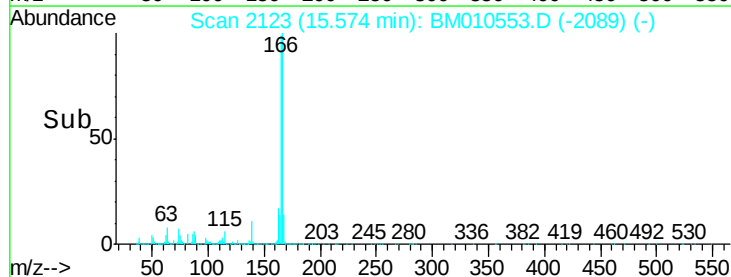
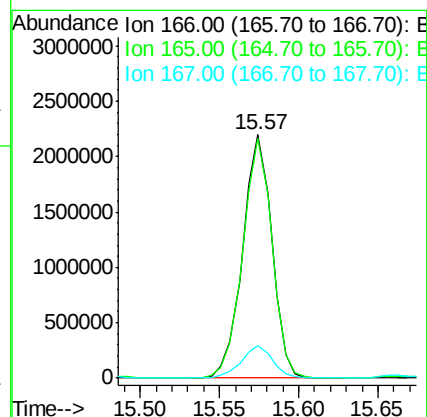
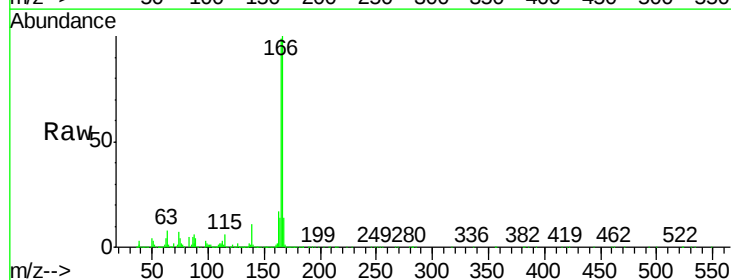
Tgt Ion:166 Resp: 2800746

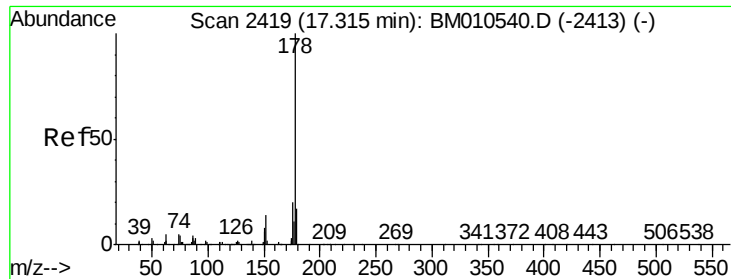
Ion Ratio Lower Upper

166 100

165 98.6 77.9 116.9

167 13.5 10.6 16.0





#69

Phenanthrene

Concen: 328.248 ng/ul m

RT: 17.32 min Scan# 2420

Delta R.T. 0.01 min

Lab File: BM010553.D

Acq: 13 Jun 2017 01:56

Instrument :

BNA_M

ClientSampleId :

F5C32DL

Tgt Ion:178 Resp:14879161

Ion Ratio Lower Upper

178 100

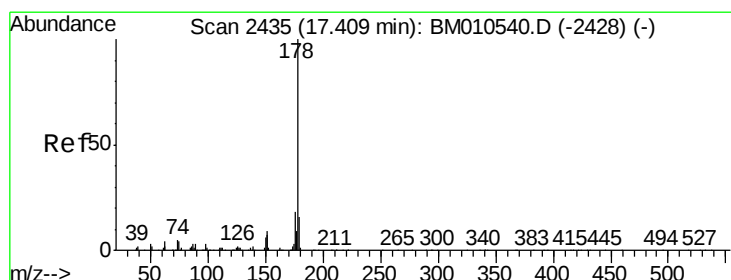
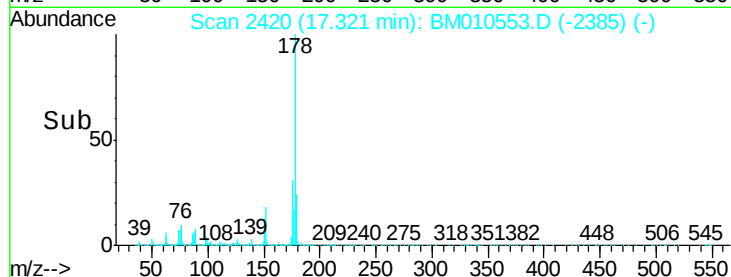
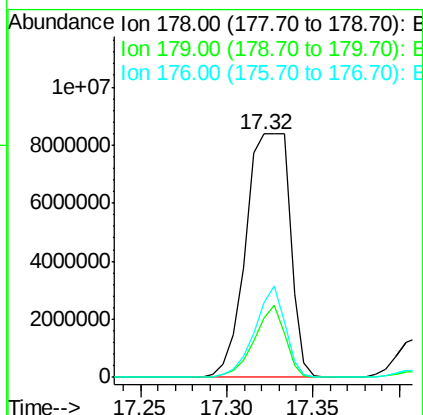
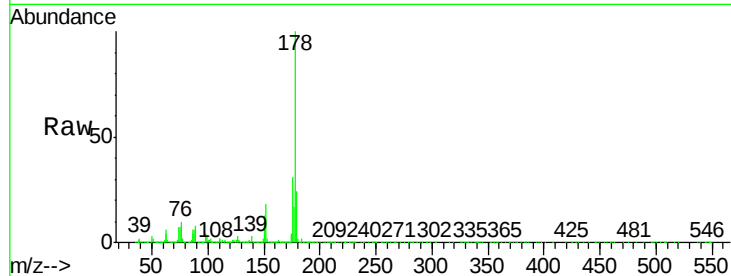
179 24.5 12.6 19.0#

176 30.7 14.9 22.3#

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#71

Anthracene

Concen: 37.426 ng/ul

RT: 17.41 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BM010553.D

Acq: 13 Jun 2017 01:56

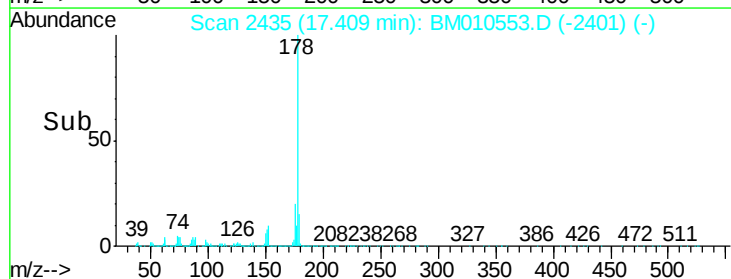
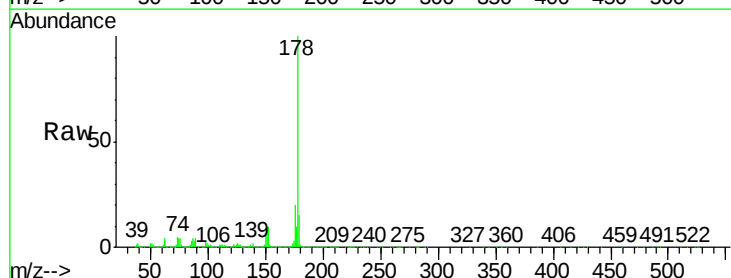
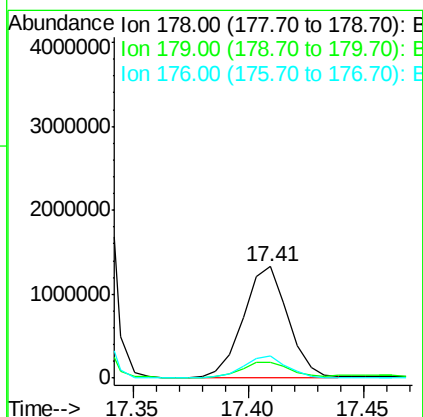
Tgt Ion:178 Resp: 1771088

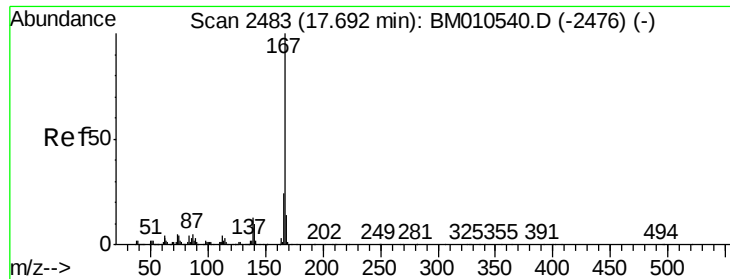
Ion Ratio Lower Upper

178 100

179 14.7 11.7 17.5

176 19.6 14.6 21.8





#72

Carbazole

Concen: 1.650 ng/ul

RT: 17.69 min Scan# 2483

Delta R.T. 0.00 min

Lab File: BM010553.D

Acq: 13 Jun 2017 01:56

Instrument :

BNA_M

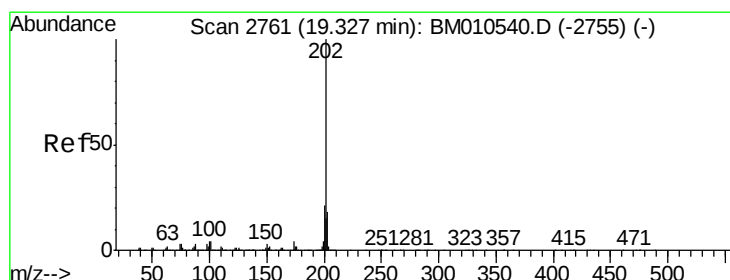
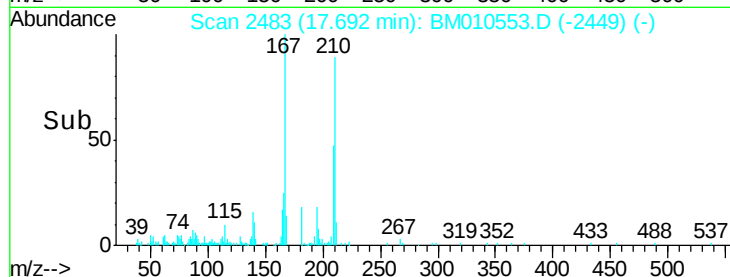
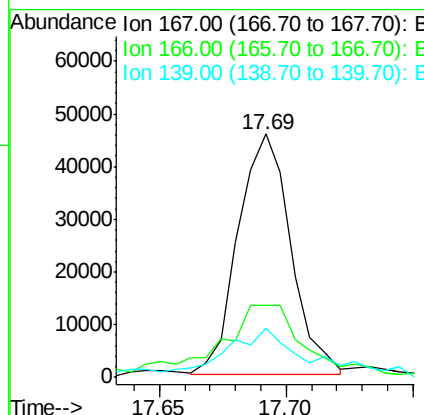
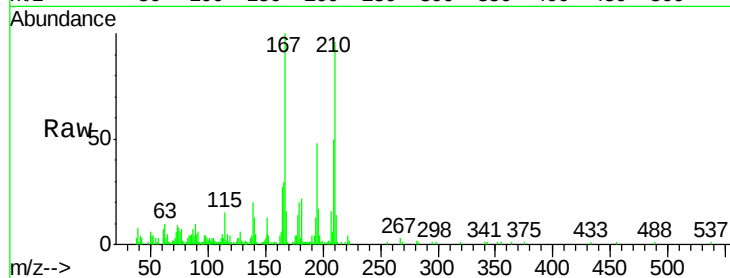
ClientSampleId :

F5C32DL

Tgt Ion:	167	Resp:	66072
Ion Ratio		Lower	Upper
167	100		
166	29.5	17.1	25.7#
139	19.9	10.0	15.0#

Manual Integrations
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#74

Fluoranthene

Concen: 204.471 ng/ul

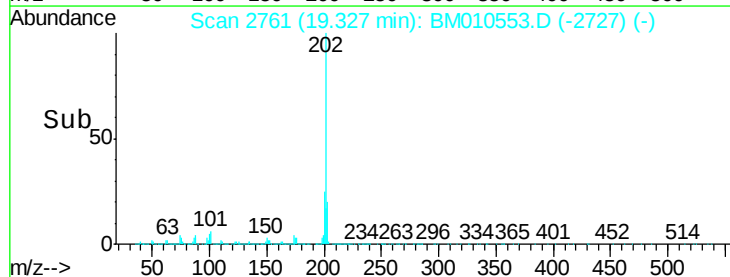
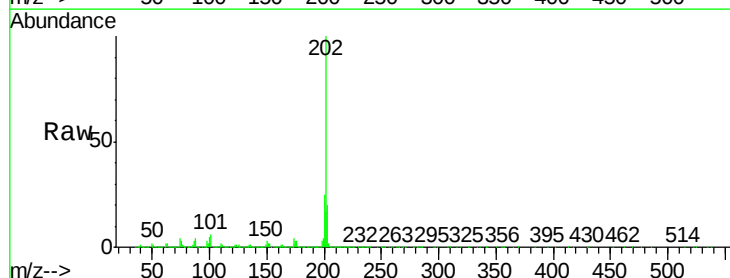
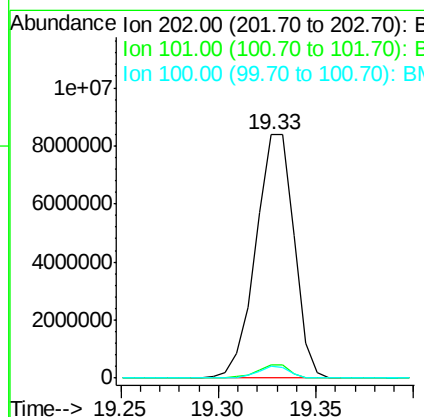
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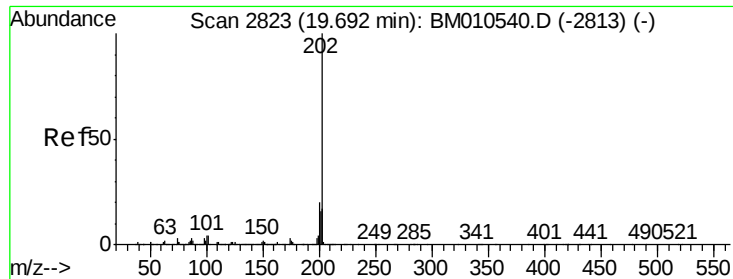
Delta R.T. 0.00 min

Lab File: BM010553.D

Acq: 13 Jun 2017 01:56

Tgt Ion:	202	Resp:	11397606
Ion Ratio		Lower	Upper
202	100		
101	5.7	4.6	7.0
100	4.8	3.4	5.2





#77

Pyrene

Concen: 111.911 ng/ul

RT: 19.69 min Scan# 2823

Delta R.T. 0.00 min

Lab File: BM010553.D

Acq: 13 Jun 2017 01:56

Instrument :

BNA_M

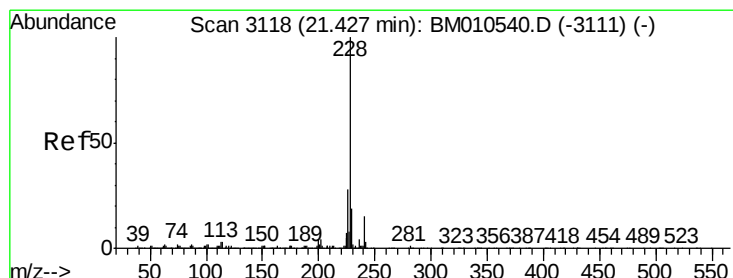
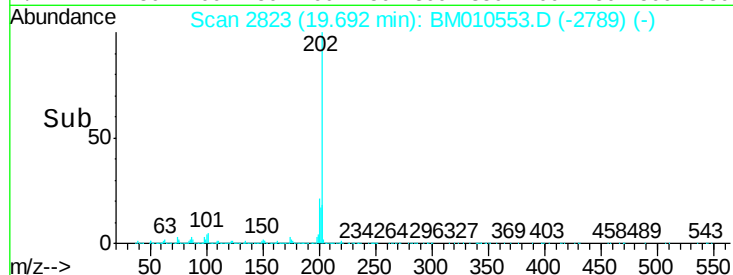
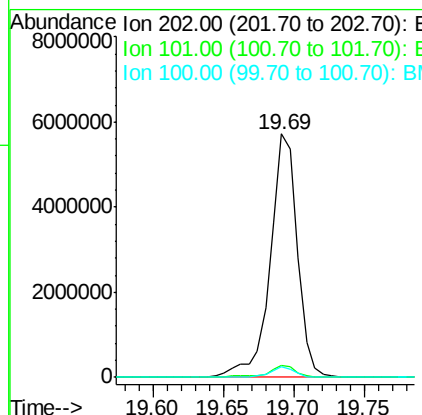
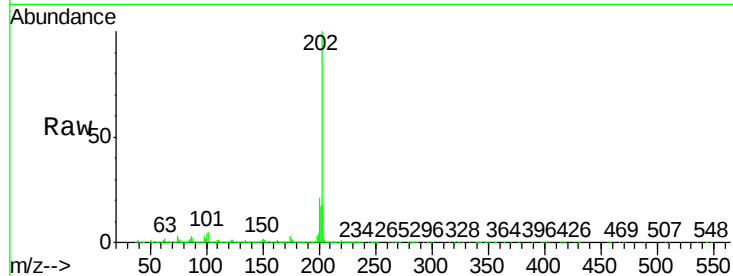
ClientSampleId :

F5C32DL

Tgt Ion:	202	Resp:	7747565
Ion Ratio	Lower	Upper	
202	100		
101	4.8	5.1	7.7#
100	4.3	4.9	7.3#

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#80

Benzo(a)anthracene

Concen: 37.177 ng/ul

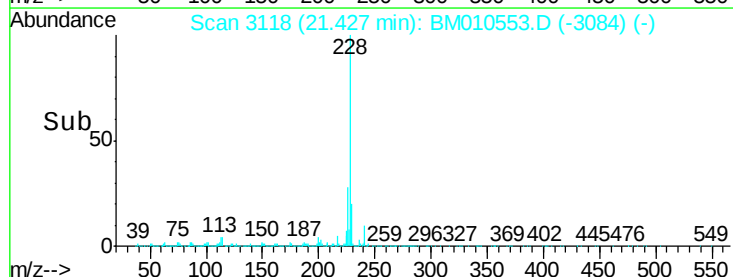
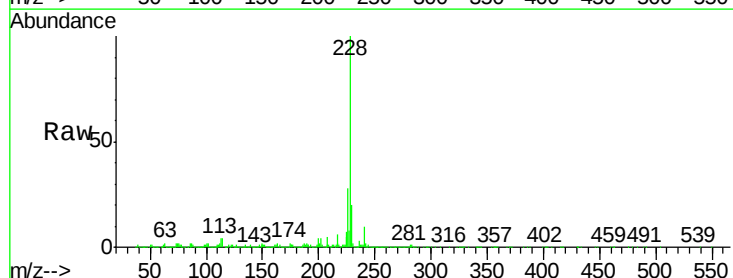
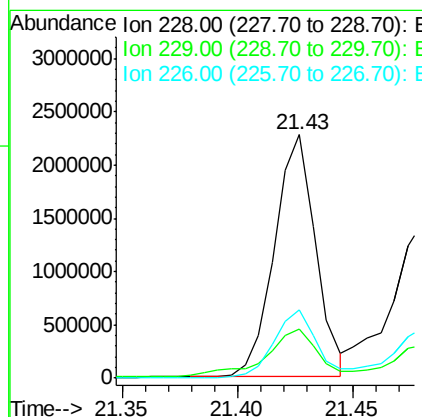
RT: 21.43 min Scan# 3118

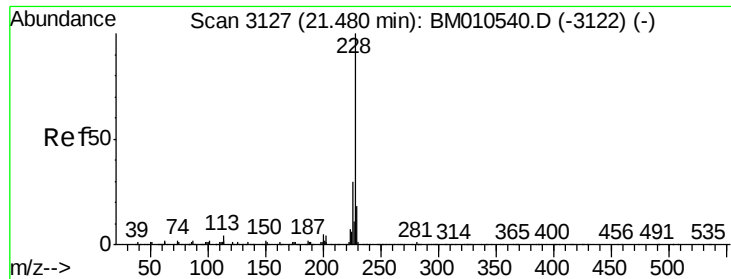
Delta R.T. 0.00 min

Lab File: BM010553.D

Acq: 13 Jun 2017 01:56

Tgt Ion:	228	Resp:	2816516
Ion Ratio	Lower	Upper	
228	100		
229	20.0	15.4	23.0
226	28.1	21.4	32.0





#82

Chrysene

Concen: 29.374 ng/u1

RT: 21.48 min Scan# 3127

Delta R.T. 0.00 min

Lab File: BM010553.D

Acq: 13 Jun 2017 01:56

Instrument :

BNA_M

ClientSampled :

F5C32DL

Tgt Ion:228 Resp: 2011703

Ion Ratio Lower Upper

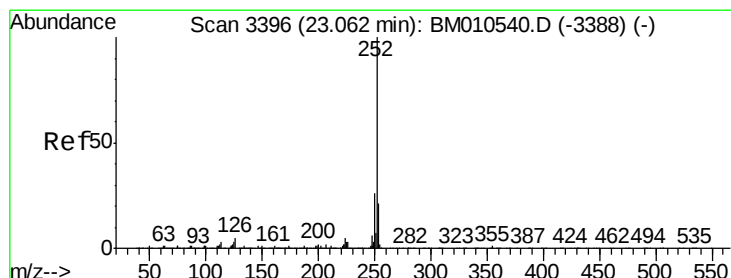
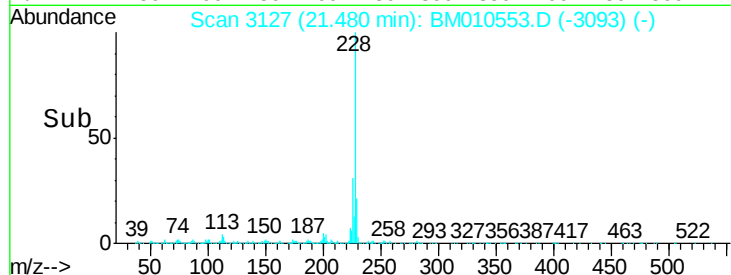
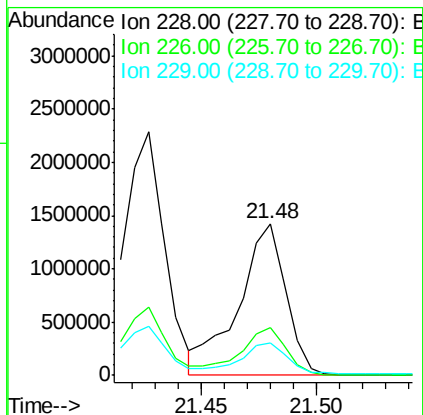
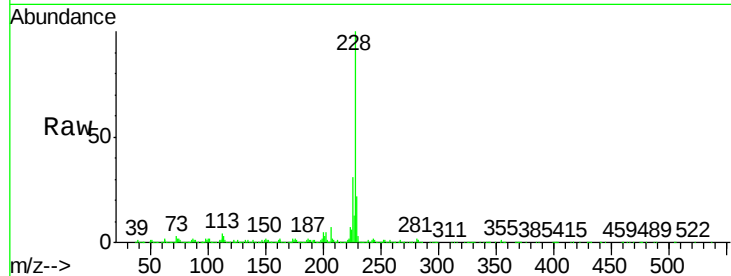
228 100

226 31.4 23.4 35.2

229 21.7 15.5 23.3

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#85

Benzo(b)fluoranthene

Concen: 29.523 ng/u1

RT: 23.06 min Scan# 3396

Delta R.T. 0.00 min

Lab File: BM010553.D

Acq: 13 Jun 2017 01:56

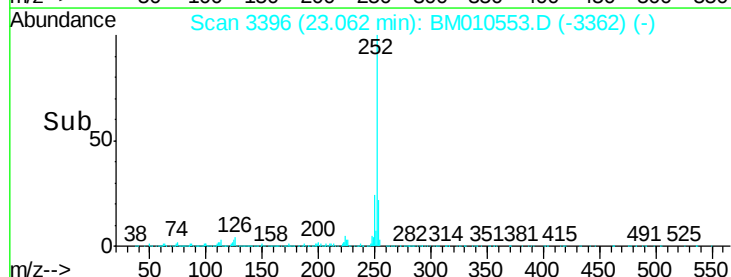
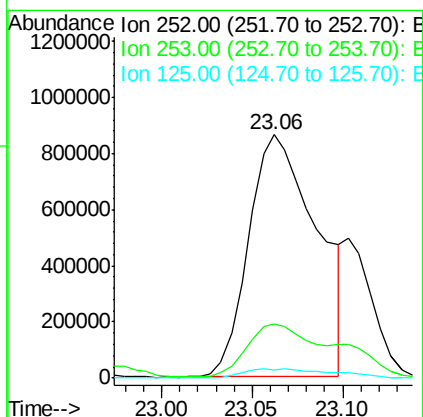
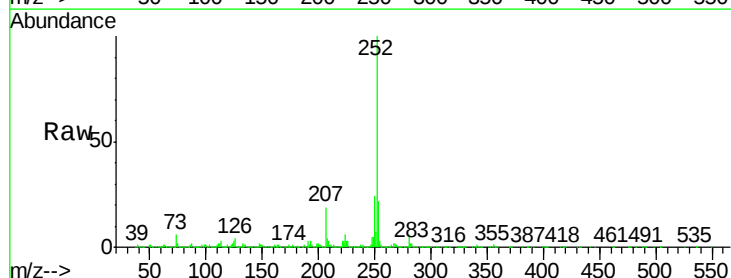
Tgt Ion:252 Resp: 2253944

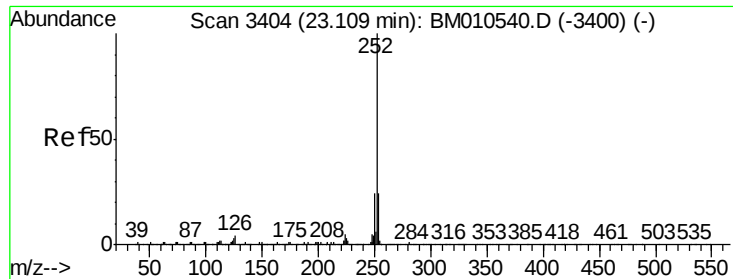
Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

125 3.4 3.6 5.4#





#86

Benzo(k)fluoranthene

Concen: 7.481 ng/ul m

RT: 23.10 min Scan# 3403

Delta R.T. -0.01 min

Lab File: BM010553.D

Acq: 13 Jun 2017 01:56

Instrument :

BNA_M

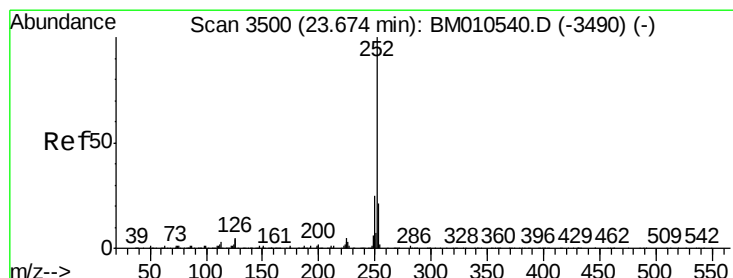
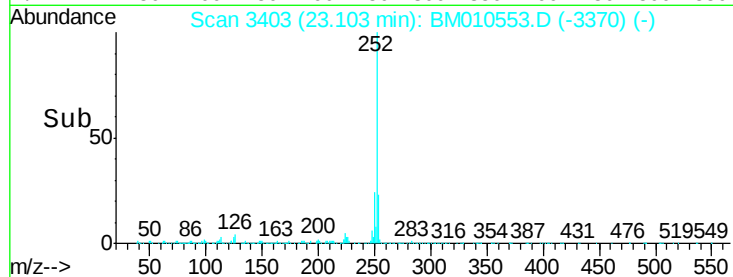
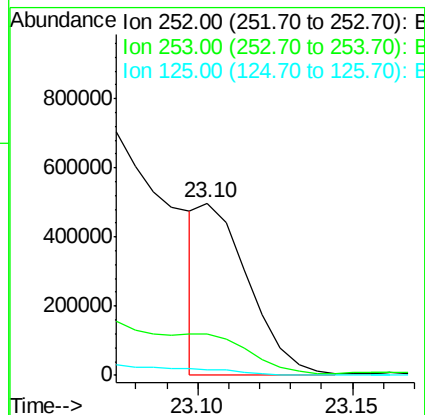
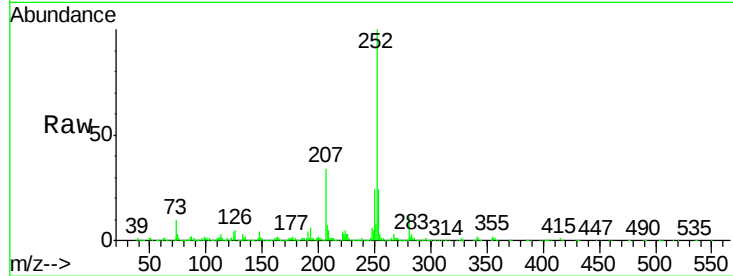
ClientSampleId :

F5C32DL

Tgt Ion:	252	Resp:	545623
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.1	25.7
125	3.5	3.4	5.2

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#88

Benzo(a)pyrene

Concen: 17.902 ng/ul m

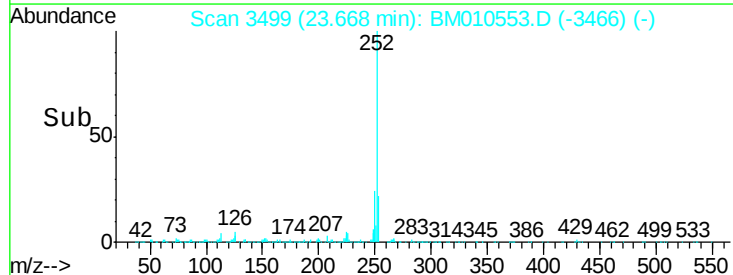
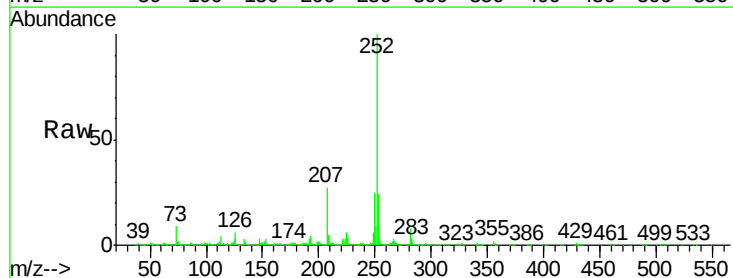
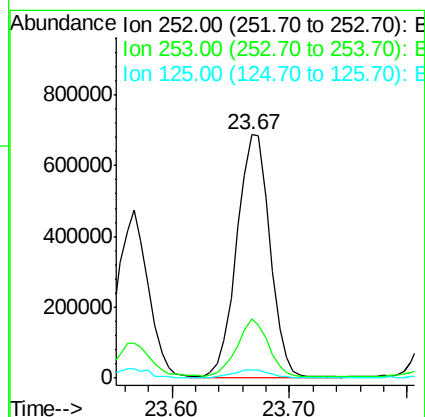
RT: 23.67 min Scan# 3499

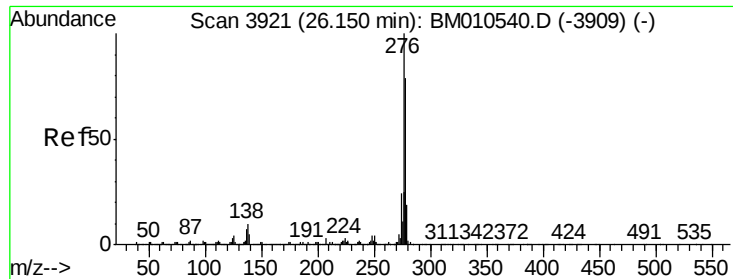
Delta R.T. -0.01 min

Lab File: BM010553.D

Acq: 13 Jun 2017 01:56

Tgt Ion:	252	Resp:	1354729
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.2	27.2
125	3.5	4.0	6.0





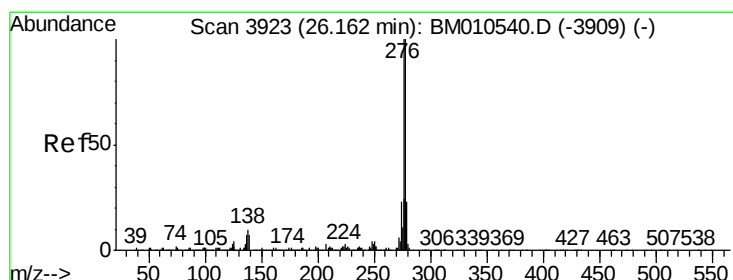
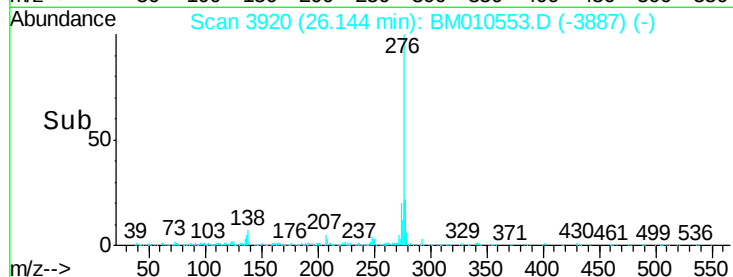
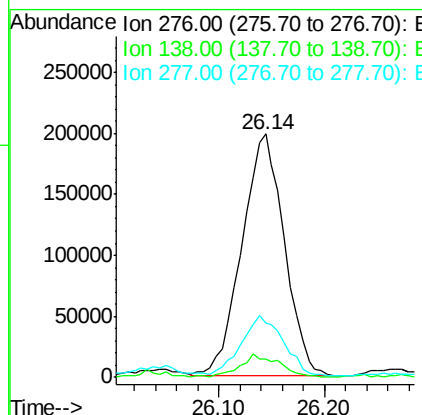
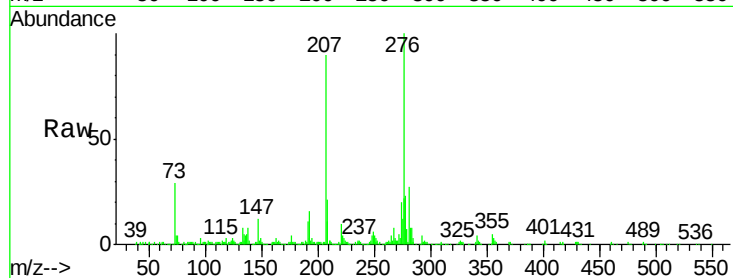
#89
Indeno(1,2,3-cd)pyrene
Concen: 5.789 ng/ul
RT: 26.14 min Scan# 3920
Delta R.T. -0.01 min
Lab File: BM010553.D
Acq: 13 Jun 2017 01:56

Instrument :
BNA_M
ClientSampleId :
F5C32DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	7.5	9.3	13.9#
277	22.4	19.9	29.9

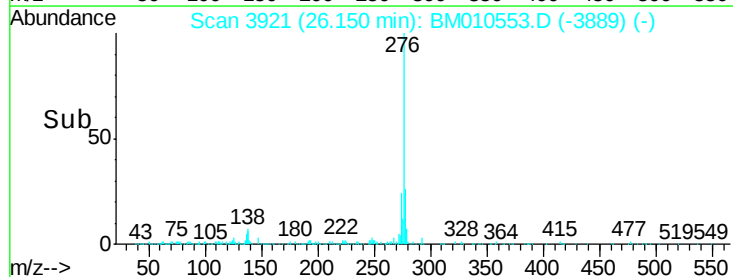
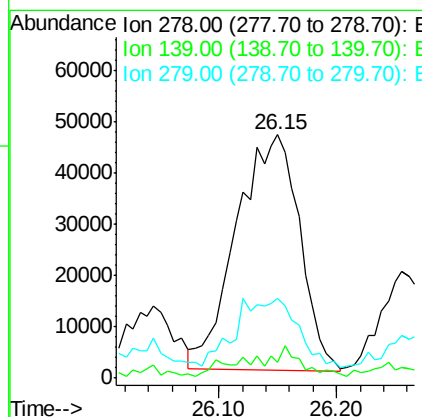
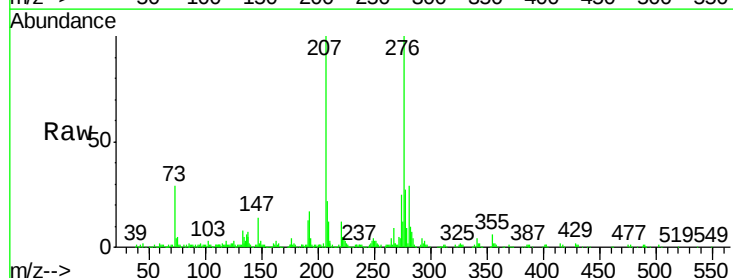
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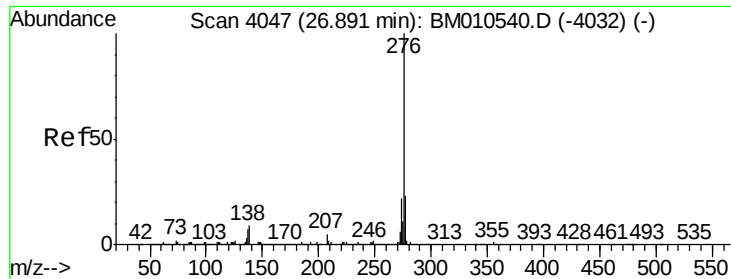
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#90
Dibenzo(a,h)anthracene
Concen: 2.079 ng/ul m
RT: 26.15 min Scan# 3921
Delta R.T. -0.01 min
Lab File: BM010553.D
Acq: 13 Jun 2017 01:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	6.6	5.8	8.8
279	33.0	18.6	27.8#





#91
 Benzo(g,h,i)perylene
 Concen: 5.139 ng/ul
 RT: 26.88 min Scan# 4045
 Delta R.T. -0.01 min
 Lab File: BM010553.D
 Acq: 13 Jun 2017 01:56

Instrument :
 BNA_M
 ClientSampleId :
 F5C32DL

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		404799		
138	10.2	8.5	12.7		
277	24.7	18.6	28.0		

Manual Integrations
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