

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
 Data File : BM010551.D
 Acq On : 13 Jun 2017 00:45
 Operator : SJ/MA
 Sample : I3521-10DL 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 F5C58DL

Manual Integrations
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mohammad
 6/13/2017 3:54:49 PM

Quant Time: Jun 13 04:25:09 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	106541	20.00	ng/ul	0.00
18) Naphthalene-d8	10.69	136	388377	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	284380	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	780771	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1221395	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1235672	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
5) Phenol-d5	7.08	99	11614	1.44	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.23	67	7315	1.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	10108	1.57	ng/ul	0.00
13) 4-Methylphenol-d8	8.62	113	9457m	1.45	ng/ul	0.01
19) Nitrobenzene-d5	9.08	128	4621m	1.62	ng/ul	0.00
22) 2-Nitrophenol-d4	9.79	143	4536	1.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.32	165	11559	1.71	ng/ul	0.00
29) 4-Chloroaniline-d4	10.86	131	20111m	3.08	ng/ul	0.00
43) Dimethylphthalate-d6	13.94	166	47893	2.03	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	50984	1.85	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	486	0.14	ng/ul	-0.01
57) Fluorene-d10	15.51	176	45248	2.18	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.65	200	6757	1.22	ng/ul	0.00
70) Anthracene-d10	17.37	188	77467	2.04	ng/ul	0.00
76) Pyrene-d10	19.66	212	104900	2.08	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.62	264	109695	1.91	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.75	128	6122654	314.305	ng/ul	99
34) 2-Methylnaphthalene	12.35	142	1911771	129.441	ng/ul	97
40) 1,1'-Biphenyl	13.35	154	534547	23.171	ng/ul	99
44) Dimethylphthalate	13.99	163	40118	1.726	ng/ul#	97
47) Acenaphthylene	14.25	152	65390	2.428	ng/ul	96
49) Acenaphthene	14.59	153	1664526	88.113	ng/ul	98
53) Dibenzofuran	14.93	168	2173949	77.825	ng/ul	96
58) Fluorene	15.57	166	2286201	99.775	ng/ul	99
69) Phenanthrene	17.32	178	12120080m	290.778	ng/ul	
71) Anthracene	17.40	178	1036439	23.818	ng/ul	98
72) Carbazole	17.69	167	482102	13.090	ng/ul	97
74) Fluoranthene	19.33	202	7068318	137.901	ng/ul#	96
77) Pyrene	19.69	202	4365976	69.368	ng/ul#	93
80) Benzo(a)anthracene	21.42	228	1328841	19.293	ng/ul	97
82) Chrysene	21.47	228	1092052	17.540	ng/ul	97
85) Benzo(b)fluoranthene	23.06	252	708276	9.851	ng/ul	97
86) Benzo(k)fluoranthene	23.10	252	236576m	3.444	ng/ul	
88) Benzo(a)pyrene	23.67	252	416757m	5.848	ng/ul	
89) Indeno(1,2,3-cd)pyrene	26.14	276	140689	1.562	ng/ul#	92
91) Benzo(g,h,i)perylene	26.89	276	104062	1.403	ng/ul#	95

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

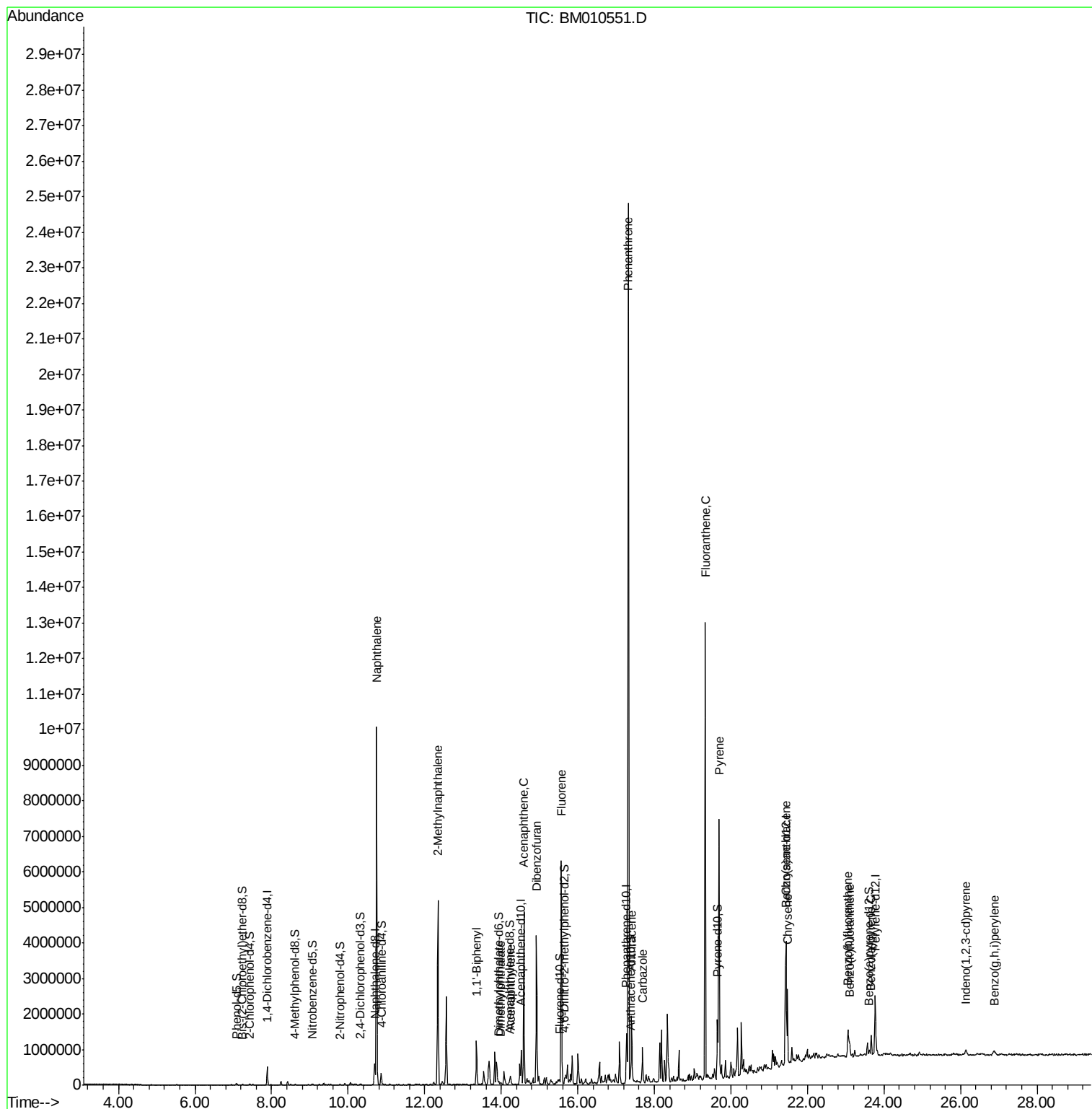
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010551.D
Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

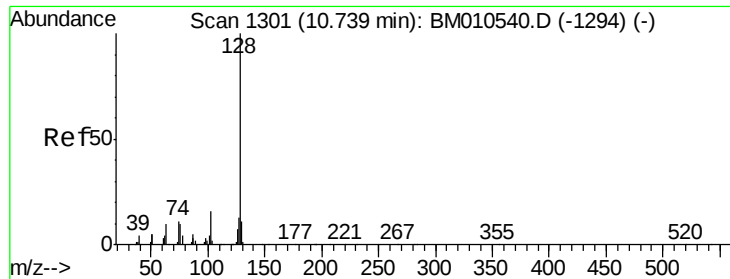
Instrument :
BNA_M
ClientSampleId :
F5C58DL

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Quant Time: Jun 13 04:25:09 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





#28

Naphthalene

Concen: 314.305 ng/ul

RT: 10.75 min Scan# 1302

Delta R.T. 0.01 min

Lab File: BM010551.D

Acq: 13 Jun 2017 00:45

Instrument :

BNA_M

ClientSampleId :

F5C58DL

Tgt Ion:128 Resp: 6122654

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

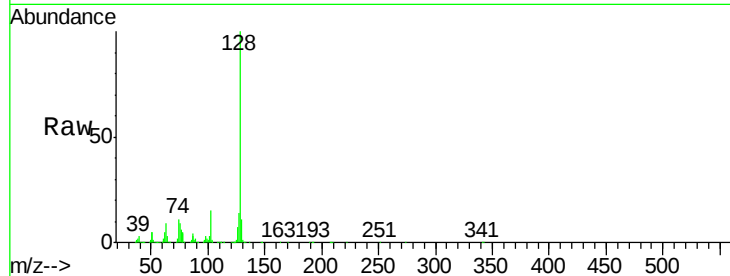
127 13.5 10.6 16.0

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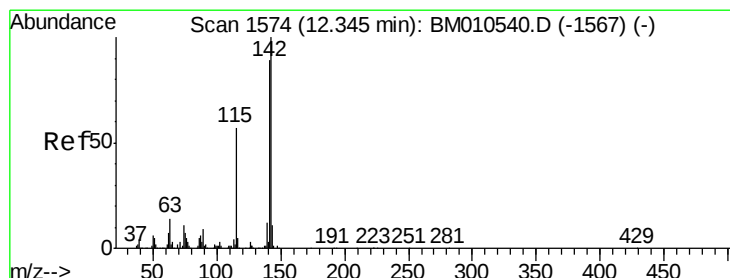
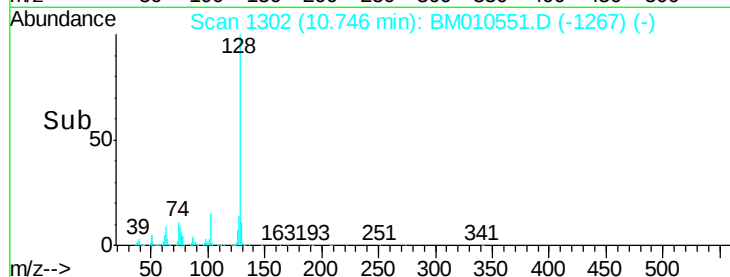
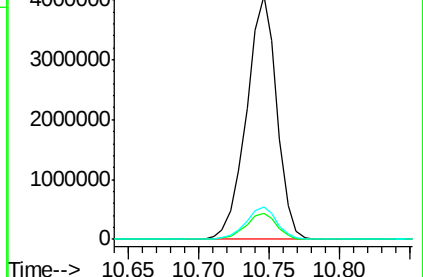
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 129.441 ng/ul

RT: 12.35 min Scan# 1574

Delta R.T. 0.00 min

Lab File: BM010551.D

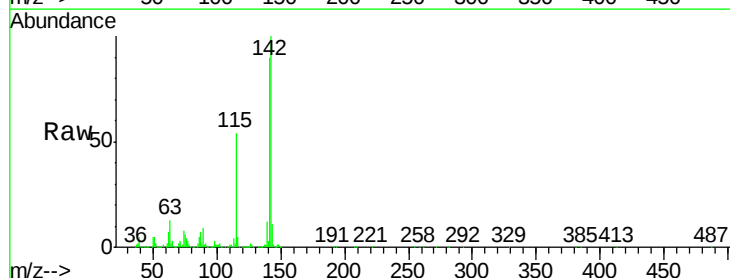
Acq: 13 Jun 2017 00:45

Tgt Ion:142 Resp: 1911771

Ion Ratio Lower Upper

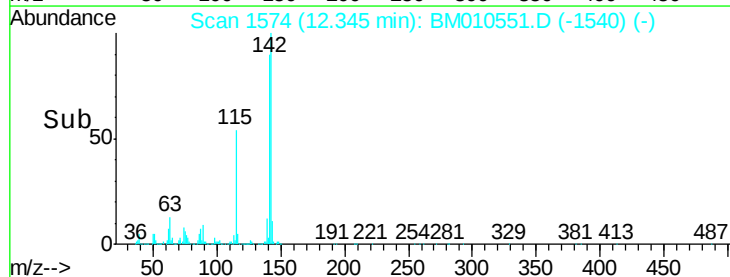
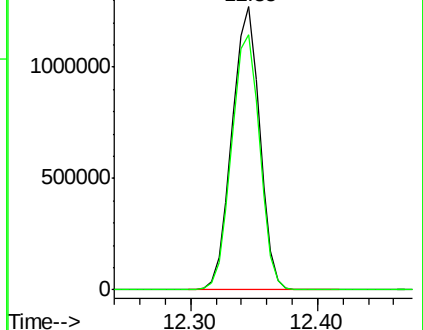
142 100

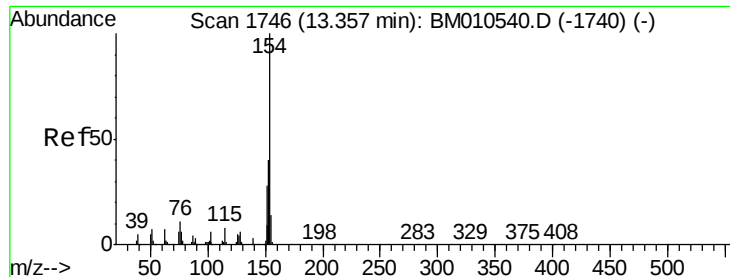
141 90.1 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





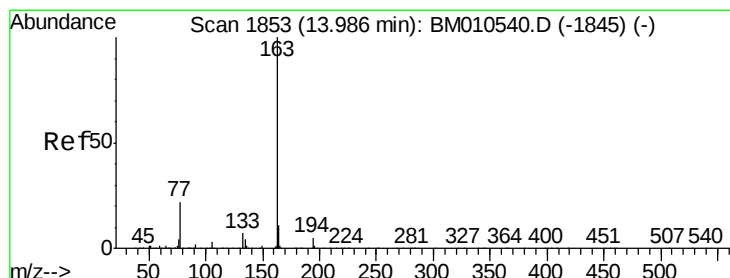
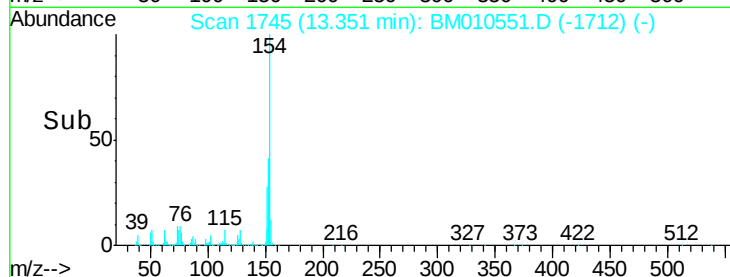
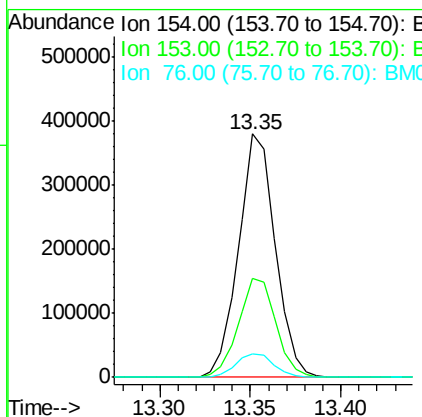
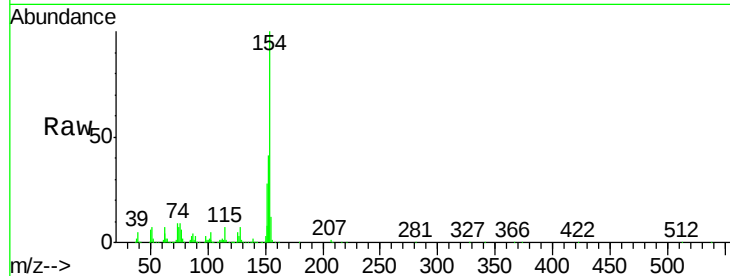
#40
 1,1'-Biphenyl
 Concen: 23.171 ng/ul
 RT: 13.35 min Scan# 1745
 Delta R.T. -0.01 min
 Lab File: BM010551.D
 Acq: 13 Jun 2017 00:45

Instrument :
 BNA_M
 ClientSampleId :
 F5C58DL

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	534547		
153	40.6	32.6	48.8	
76	9.5	8.5	12.7	

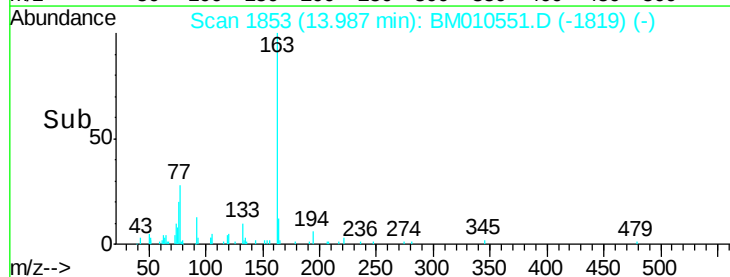
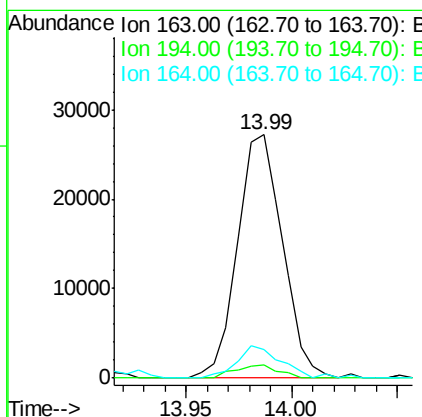
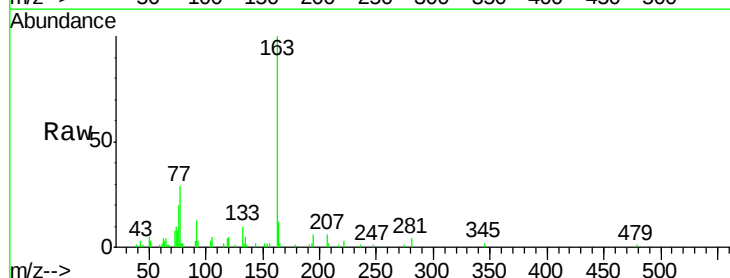
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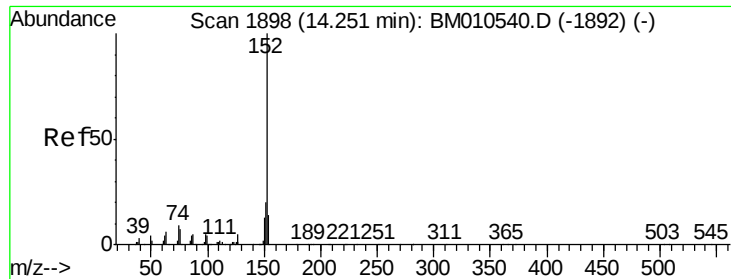
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#44
 Dimethylphthalate
 Concen: 1.726 ng/ul
 RT: 13.99 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: BM010551.D
 Acq: 13 Jun 2017 00:45

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	40118		
194	5.5	3.5	5.3#	
164	11.5	8.2	12.4	





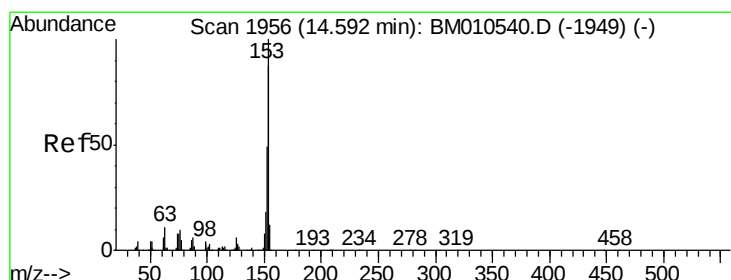
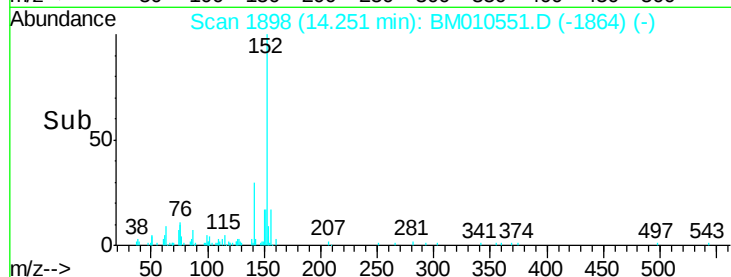
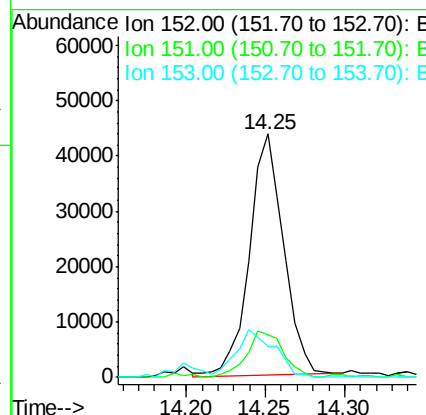
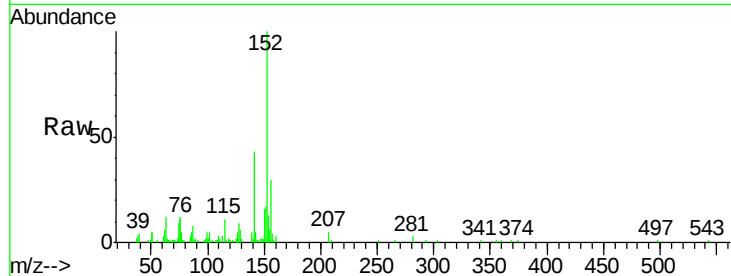
#47
Acenaphthylene
Concen: 2.428 ng/ul
RT: 14.25 min Scan# 1898
Delta R.T. 0.00 min
Lab File: BM010551.D
Acq: 13 Jun 2017 00:45

Instrument :
BNA_M
ClientSampleId :
F5C58DL

Tgt Ion	Ratio	Lower	Upper
152	100		
151	17.4	16.3	24.5
153	12.7	10.2	15.4

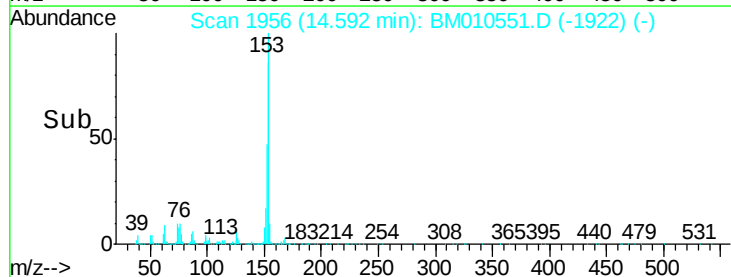
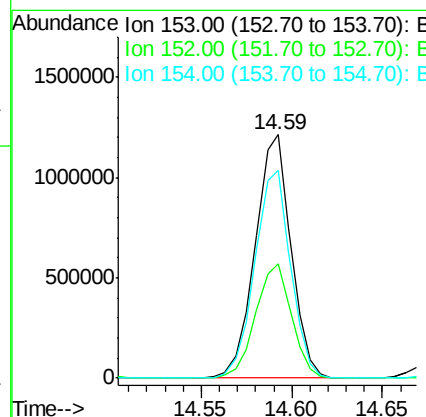
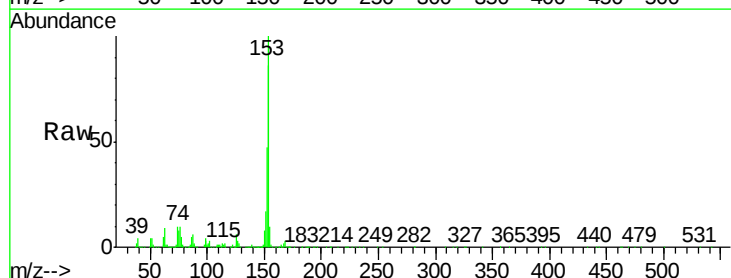
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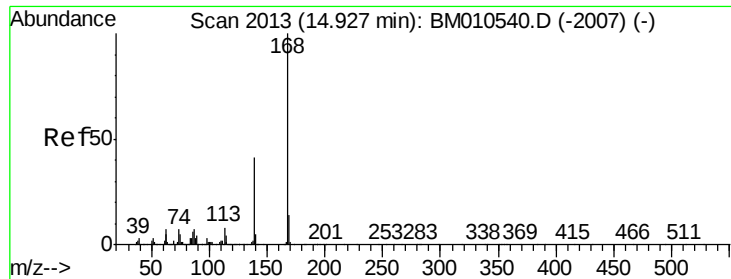
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#49
Acenaphthene
Concen: 88.113 ng/ul
RT: 14.59 min Scan# 1956
Delta R.T. 0.00 min
Lab File: BM010551.D
Acq: 13 Jun 2017 00:45

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.9	37.6	56.4
154	85.5	70.4	105.6





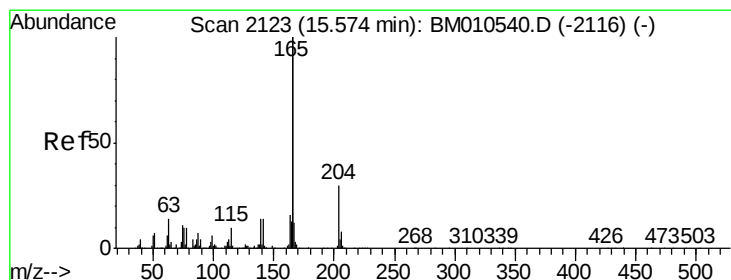
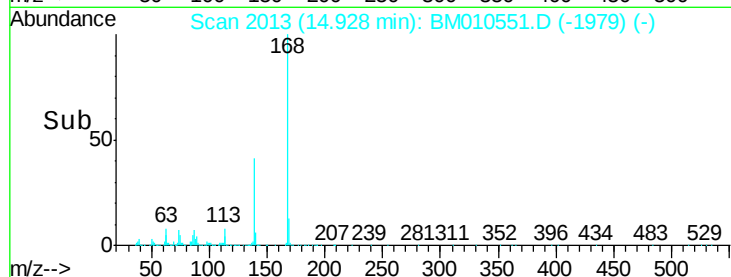
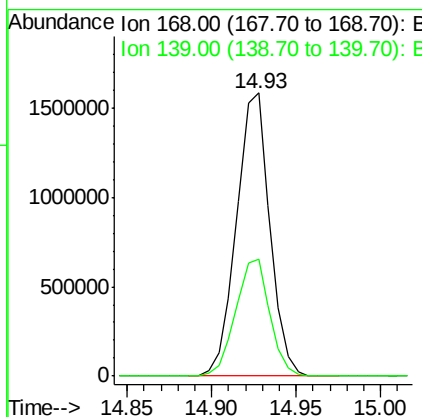
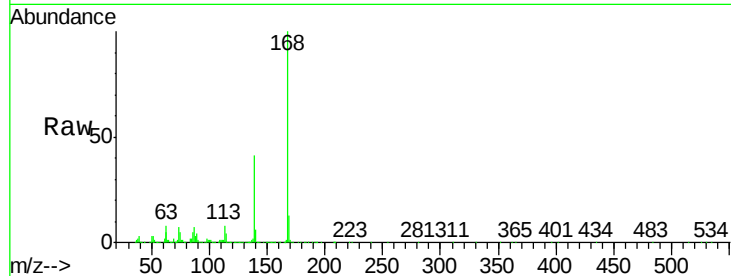
#53
Dibenzenofuran
Concen: 77.825 ng/ul
RT: 14.93 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BM010551.D
Acq: 13 Jun 2017 00:45

Instrument :
BNA_M
ClientSampleId :
F5C58DL

Tgt Ion:168 Resp: 2173949
Ion Ratio Lower Upper
168 100
139 41.2 30.8 46.2

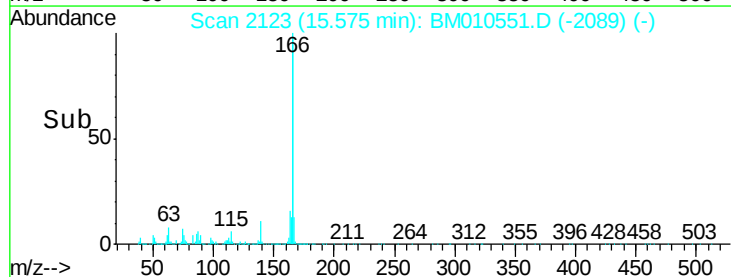
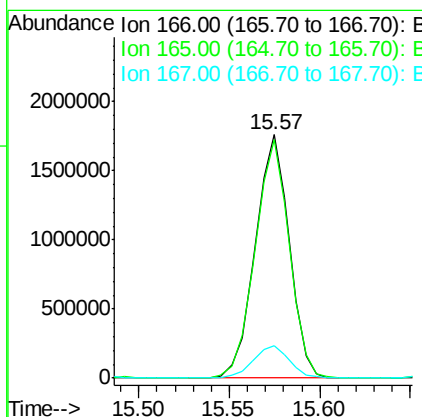
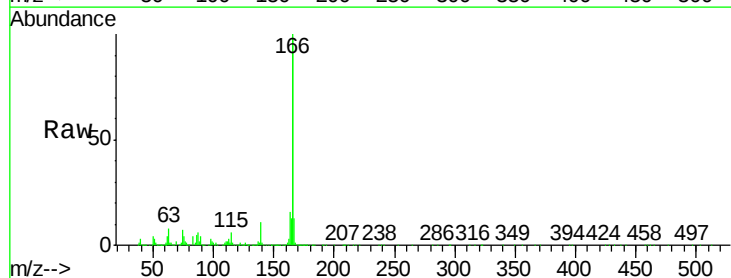
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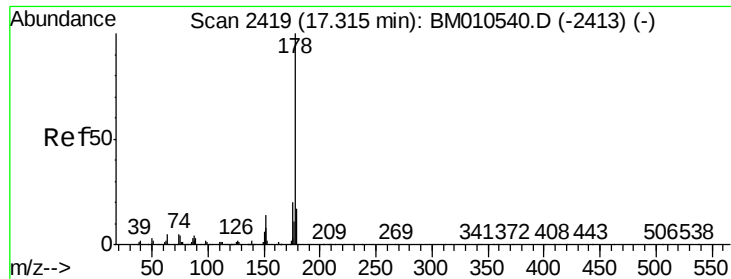
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#58
Fluorene
Concen: 99.775 ng/ul
RT: 15.57 min Scan# 2123
Delta R.T. 0.00 min
Lab File: BM010551.D
Acq: 13 Jun 2017 00:45

Tgt Ion:166 Resp: 2286201
Ion Ratio Lower Upper
166 100
165 98.1 77.9 116.9
167 13.5 10.6 16.0





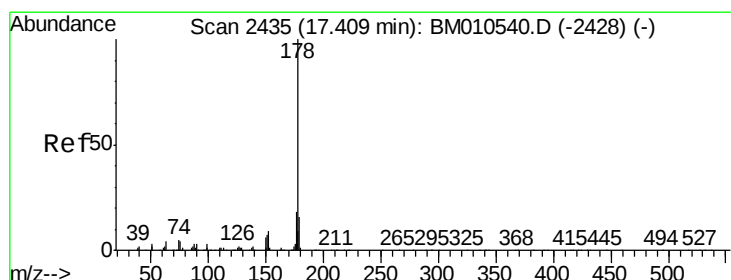
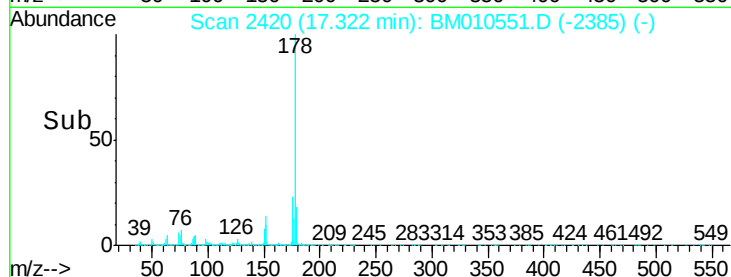
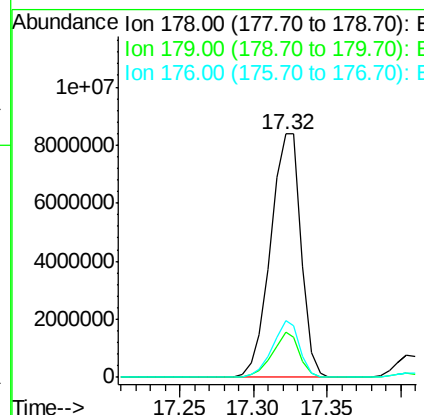
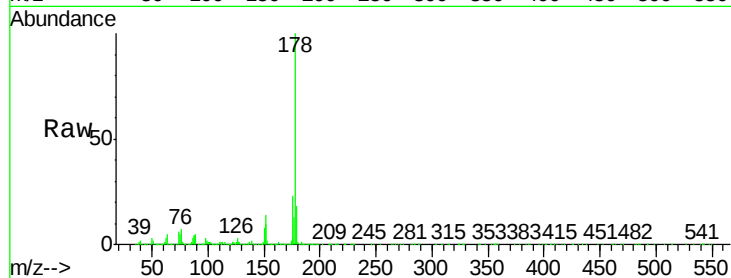
#69
Phenanthrene
Concen: 290.778 ng/ul m
RT: 17.32 min Scan# 2420
Delta R.T. 0.01 min
Lab File: BM010551.D
Acq: 13 Jun 2017 00:45

Instrument :
BNA_M
ClientSampleId :
F5C58DL

Tgt Ion:178 Resp:12120080
Ion Ratio Lower Upper
178 100
179 18.4 12.6 19.0
176 23.1 14.9 22.3#

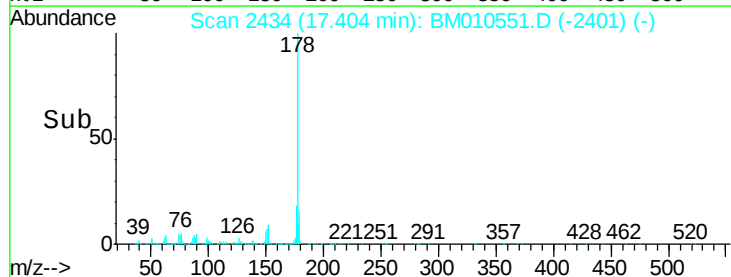
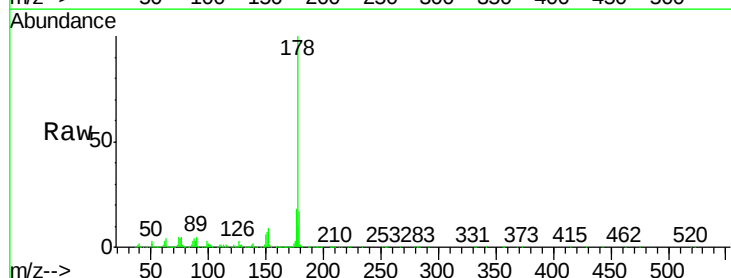
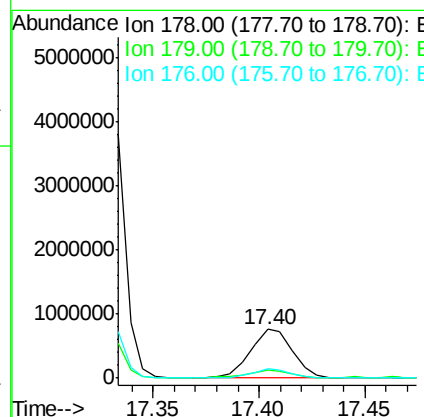
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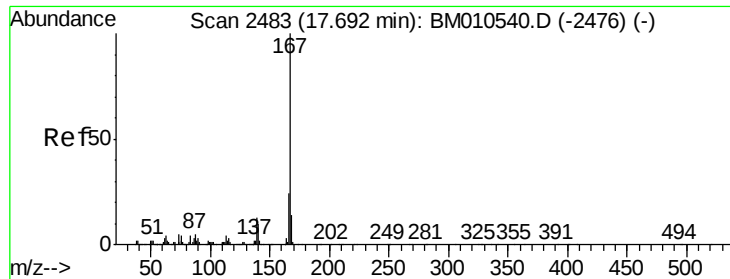
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#71
Anthracene
Concen: 23.818 ng/ul
RT: 17.40 min Scan# 2434
Delta R.T. -0.01 min
Lab File: BM010551.D
Acq: 13 Jun 2017 00:45

Tgt Ion:178 Resp: 1036439
Ion Ratio Lower Upper
178 100
179 16.6 11.7 17.5
176 18.1 14.6 21.8





#72

Carbazole

Concen: 13.090 ng/ul

RT: 17.69 min Scan# 2483

Delta R.T. 0.00 min

Lab File: BM010551.D

Acq: 13 Jun 2017 00:45

Instrument :

BNA_M

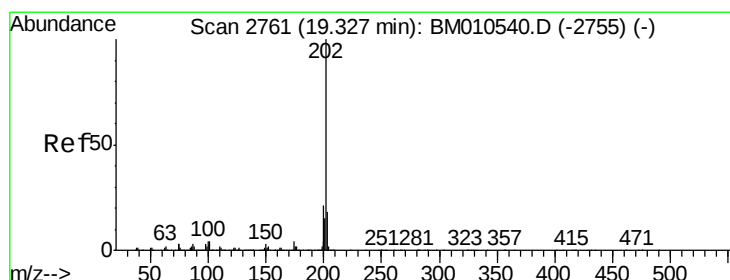
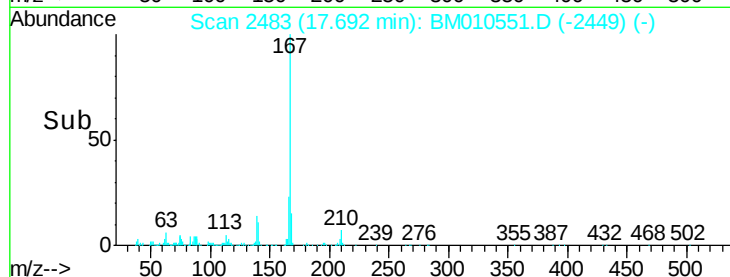
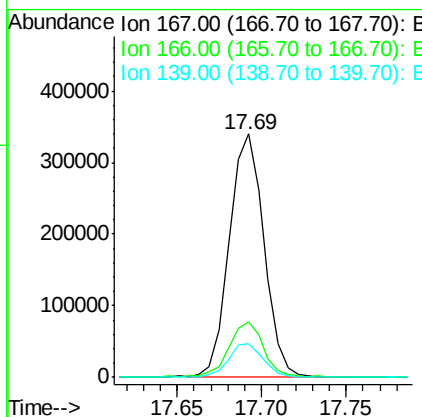
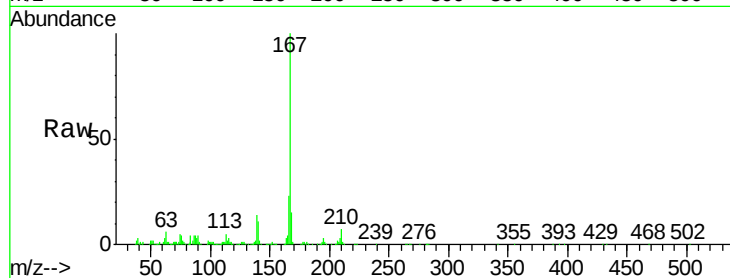
ClientSampleId :

F5C58DL

Tgt Ion:	167	Resp:	482102
Ion Ratio		Lower	Upper
167	100		
166	22.8	17.1	25.7
139	13.8	10.0	15.0

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#74

Fluoranthene

Concen: 137.901 ng/ul

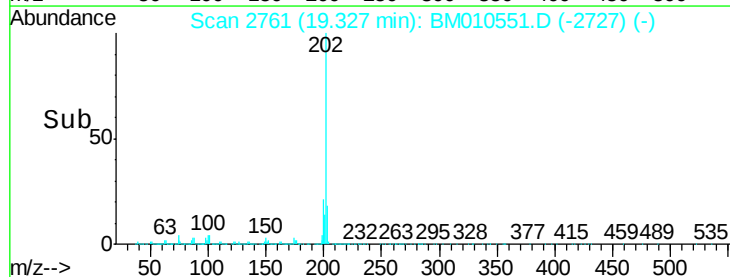
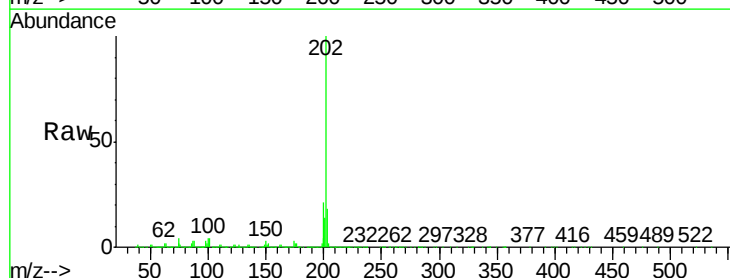
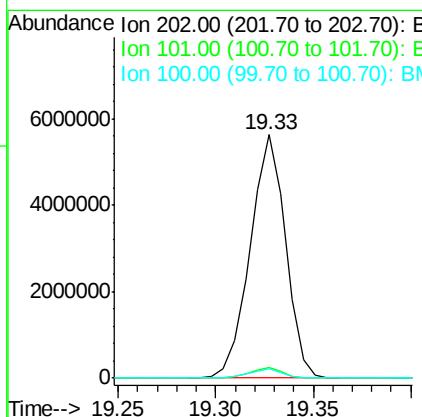
RT: 19.33 min Scan# 2761

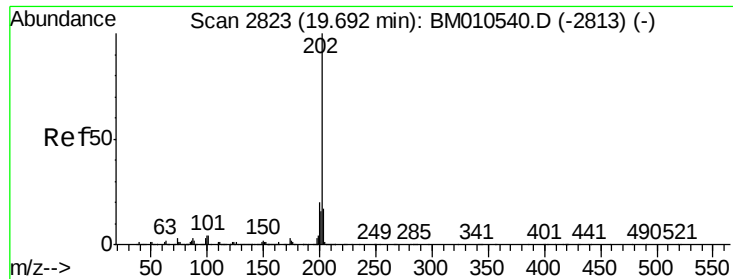
Delta R.T. 0.00 min

Lab File: BM010551.D

Acq: 13 Jun 2017 00:45

Tgt Ion:	202	Resp:	7068318
Ion Ratio		Lower	Upper
202	100		
101	4.2	4.6	7.0#
100	3.6	3.4	5.2





#77

Pyrene

Concen: 69.368 ng/ul

RT: 19.69 min Scan# 2823

Delta R.T. 0.00 min

Lab File: BM010551.D

Acq: 13 Jun 2017 00:45

Instrument :

BNA_M

ClientSampleId :

F5C58DL

Tgt Ion:202 Resp: 4365976

Ion Ratio Lower Upper

202 100

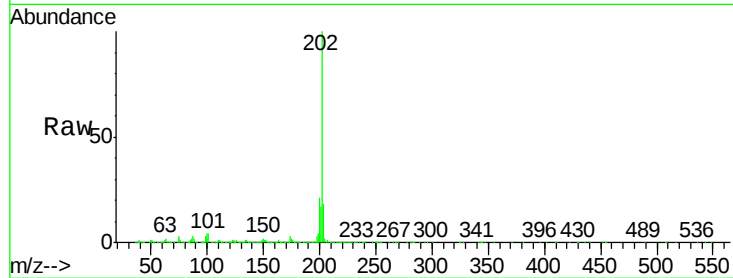
101 4.1 5.1 7.7#

100 3.7 4.9 7.3#

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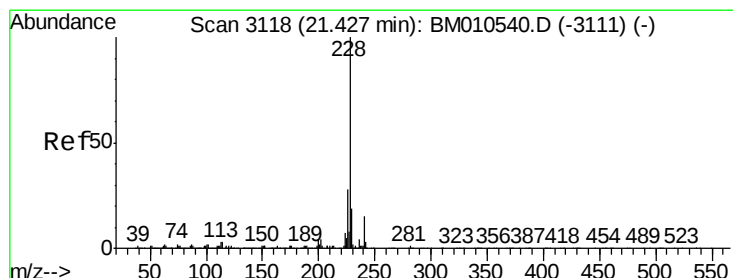
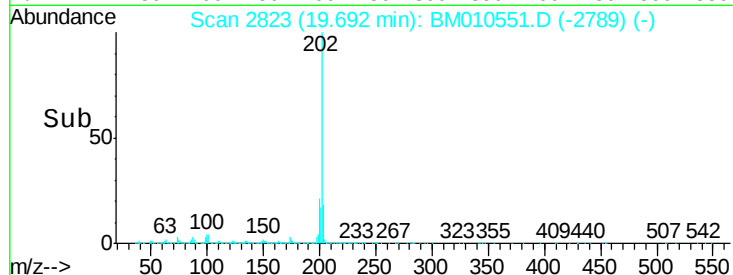
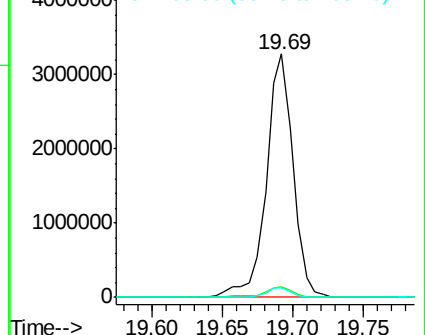
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 19.293 ng/ul

RT: 21.42 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BM010551.D

Acq: 13 Jun 2017 00:45

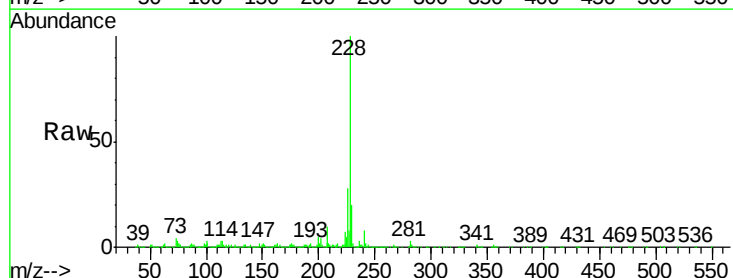
Tgt Ion:228 Resp: 1328841

Ion Ratio Lower Upper

228 100

229 20.2 15.4 23.0

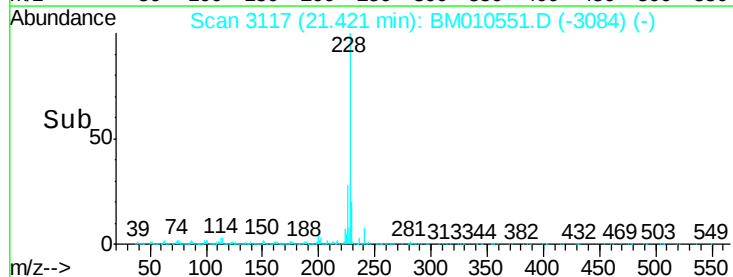
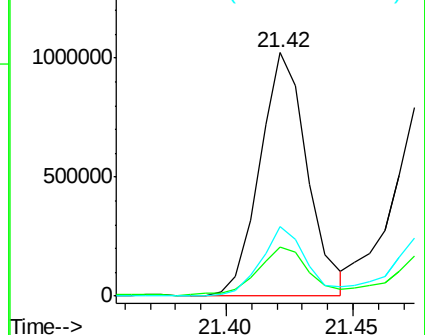
226 28.5 21.4 32.0

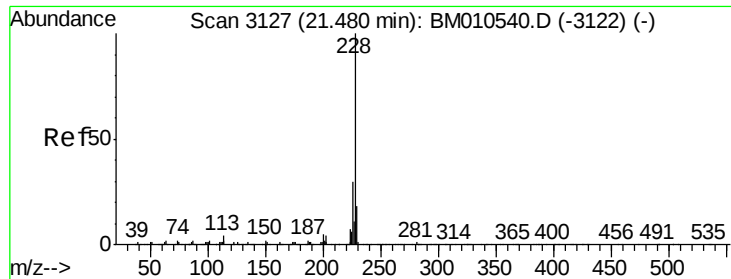


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 17.540 ng/u1

RT: 21.47 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BM010551.D

Acq: 13 Jun 2017 00:45

Instrument :

BNA_M

ClientSampleId :

F5C58DL

Tgt Ion:228 Resp: 1092052

Ion Ratio Lower Upper

228 100

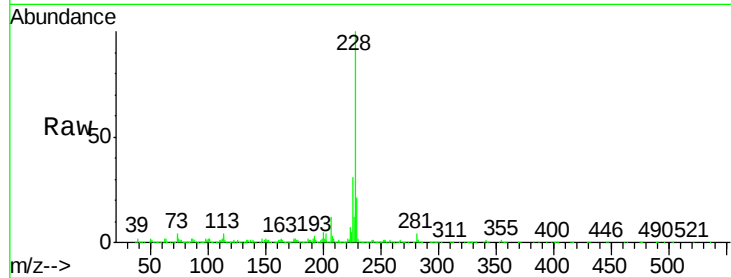
226 30.7 23.4 35.2

229 21.3 15.5 23.3

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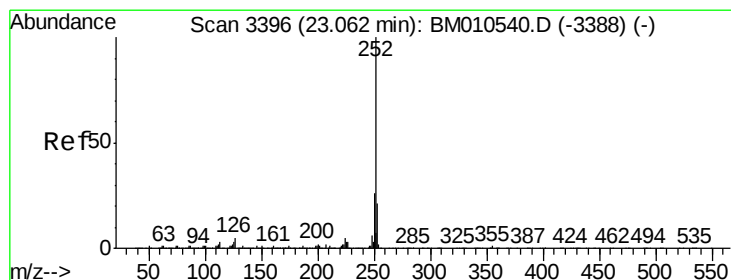
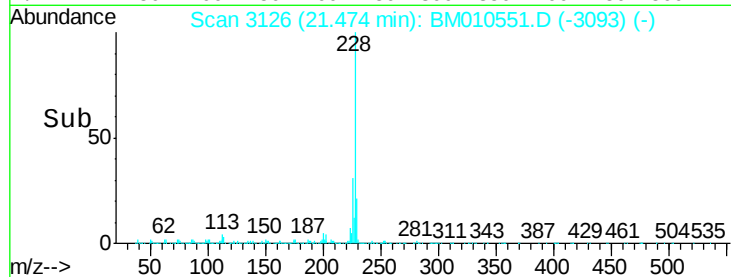
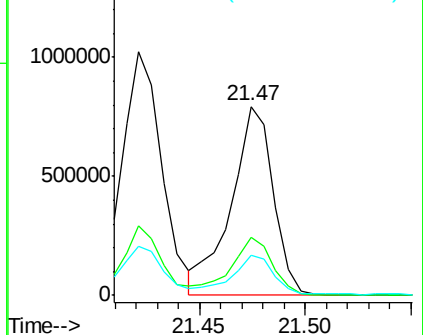
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 9.851 ng/u1

RT: 23.06 min Scan# 3395

Delta R.T. -0.01 min

Lab File: BM010551.D

Acq: 13 Jun 2017 00:45

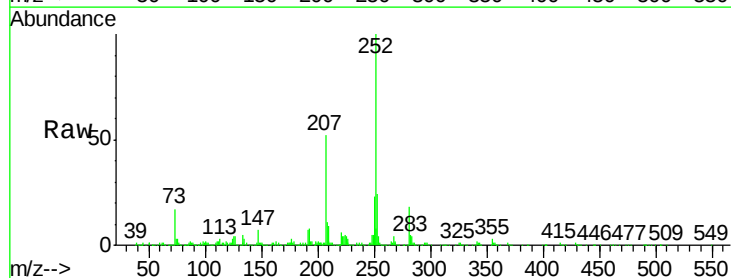
Tgt Ion:252 Resp: 708276

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

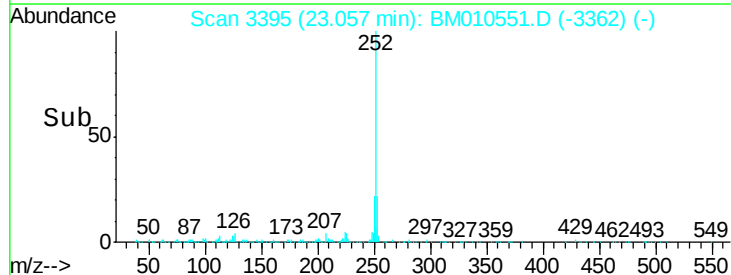
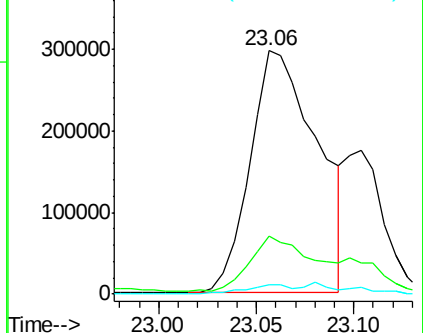
125 3.6 3.6 5.4

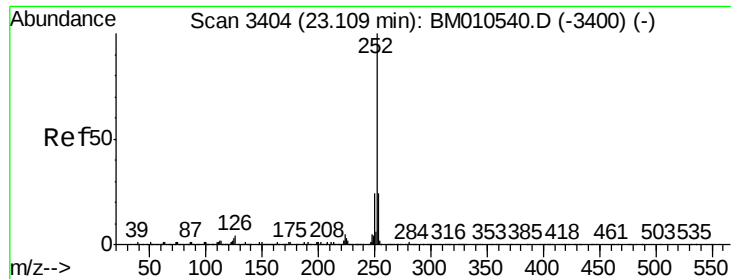


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 3.444 ng/ul m

RT: 23.10 min Scan# 3403

Delta R.T. -0.01 min

Lab File: BM010551.D

Acq: 13 Jun 2017 00:45

Instrument :

BNA_M

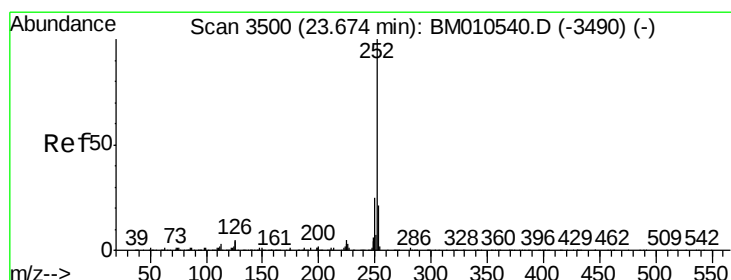
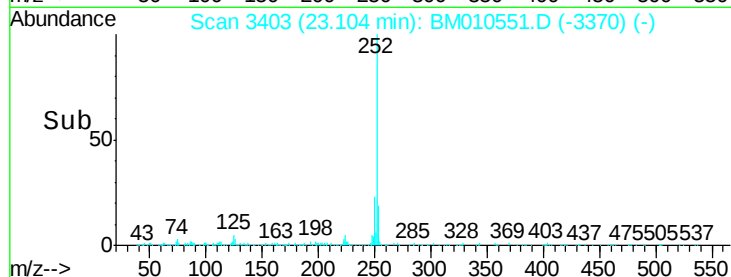
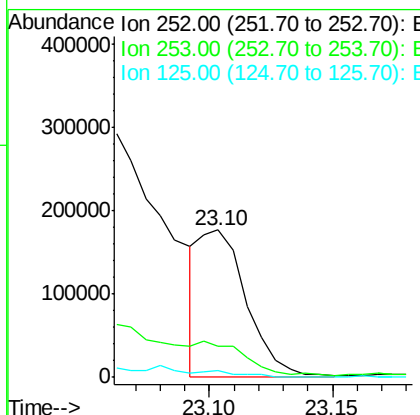
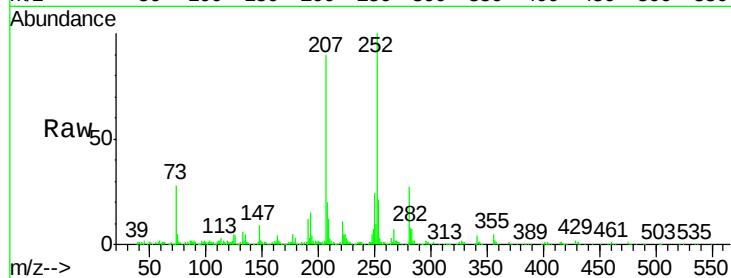
ClientSampleId :

F5C58DL

Tgt Ion:	252	Resp:	236576
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.1	25.7
125	4.9	3.4	5.2

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#88

Benzo(a)pyrene

Concen: 5.848 ng/ul m

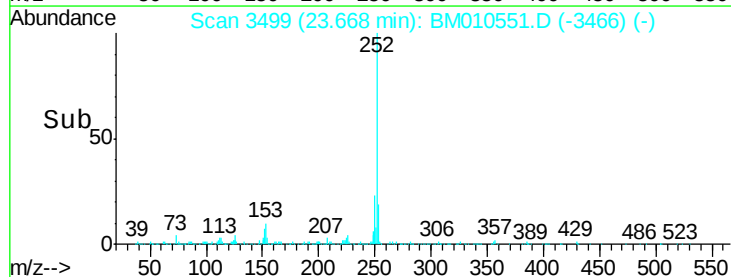
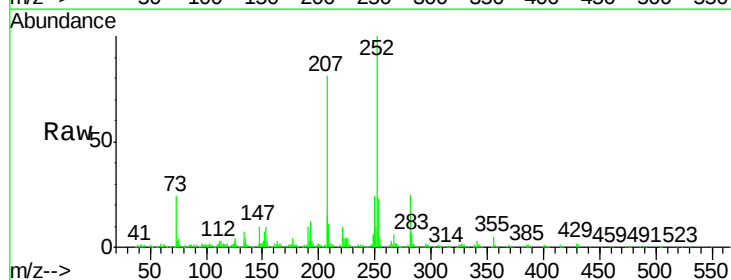
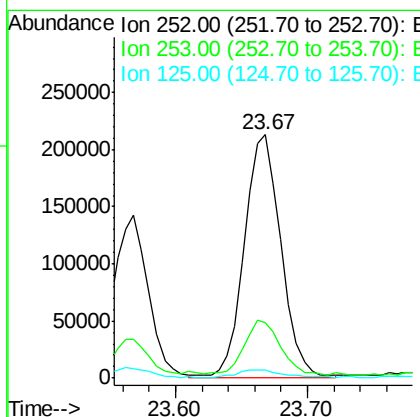
RT: 23.67 min Scan# 3499

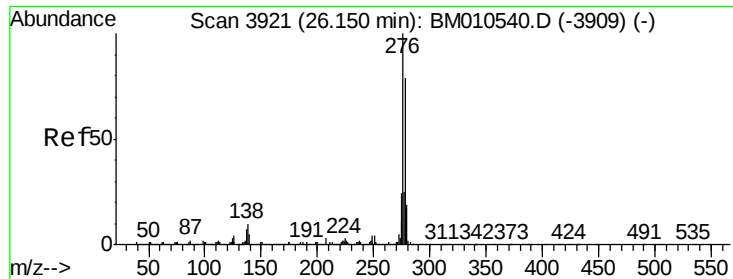
Delta R.T. -0.01 min

Lab File: BM010551.D

Acq: 13 Jun 2017 00:45

Tgt Ion:	252	Resp:	416757
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.2	27.2
125	3.2	4.0	6.0#





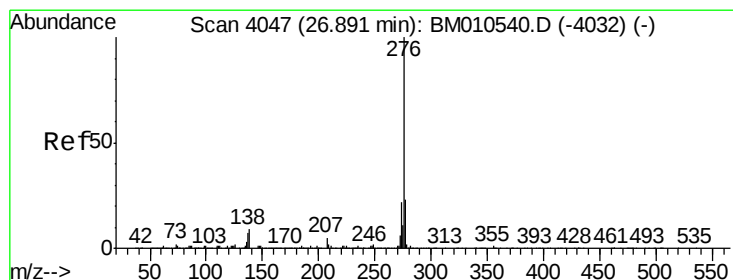
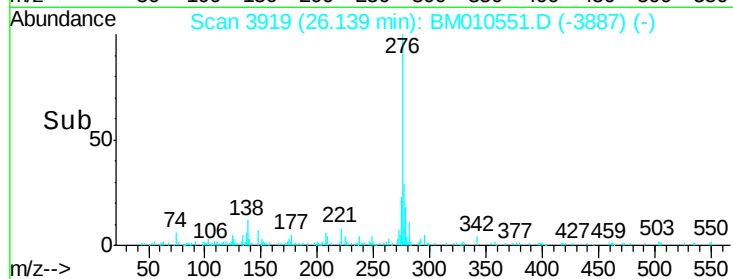
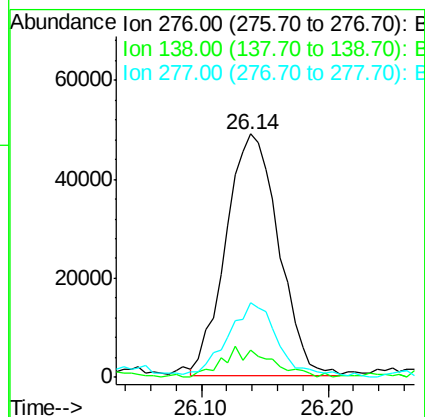
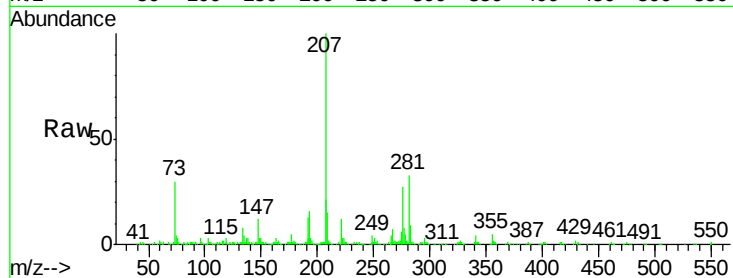
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 1.562 ng/ul
 RT: 26.14 min Scan# 3919
 Delta R.T. -0.01 min
 Lab File: BM010551.D
 Acq: 13 Jun 2017 00:45

Instrument :
 BNA_M
 ClientSampleId :
 F5C58DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.3	9.3	13.9
277	30.4	19.9	29.9#

Manual Integrations
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#91
 Benzo(g,h,i)perylene
 Concen: 1.403 ng/ul
 RT: 26.89 min Scan# 4046
 Delta R.T. -0.01 min
 Lab File: BM010551.D
 Acq: 13 Jun 2017 00:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.3	8.5	12.7#
277	23.6	18.6	28.0

