

Data File : BM010737.D
Acq On : 24 Jun 2017 19:27
Operator : SJ/JU
Sample : I3653-09DL 2X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C52DL

Manual Integrations
APPROVED

mohammad
6/28/2017 7:43:04 AM

Quant Time: Jun 26 08:06:37 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 26 04:54:47 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	58467	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	268107	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	186588	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.86	188	461177	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	560445	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	426546	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	1280m	1.25	ng/uL	0.00
5) Phenol-d5	6.65	99	31115	5.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	18350	5.77	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	24575	6.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	27313	5.91	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	13336	6.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	15339	6.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	29689	6.40	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	15412	3.15	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	119464	7.29	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	130143	6.83	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	14019	4.86	ng/ul	-0.01
57) Fluorene-d10	15.11	176	100750	7.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	16822	5.94	ng/ul	0.00
70) Anthracene-d10	16.96	188	161999m	7.27	ng/ul	0.00
76) Pyrene-d10	19.27	212	212525	8.16	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.08	264	157358	7.63	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.27	128	215974	16.19	ng/ul	98
34) 2-Methylnaphthalene	11.89	142	72198	6.73	ng/ul	100
40) 1,1'-Biphenyl	12.93	154	35110	2.41	ng/ul#	90
44) Dimethylphthalate	13.58	163	27912	1.74	ng/ul	96
49) Acenaphthene	14.17	153	147614	12.06	ng/ul	97
53) Dibenzofuran	14.51	168	185601	10.01	ng/ul	89
58) Fluorene	15.16	166	151977	9.79	ng/ul	98
69) Phenanthrene	16.91	178	1000886	40.82	ng/ul	98
71) Anthracene	17.00	178	146917	5.82	ng/ul	97
72) Carbazole	17.27	167	34564	1.57	ng/ul	96
74) Fluoranthene	18.94	202	755594	23.91	ng/ul	99
77) Pyrene	19.30	202	527318	16.29	ng/ul	98
80) Benzo(a)anthracene	21.06	228	209053	6.41	ng/ul	99
82) Chrysene	21.12	228	156506	5.38	ng/ul	99
85) Benzo(b)fluoranthene	22.59	252	136229	4.92	ng/ul	97
86) Benzo(k)fluoranthene	22.62	252	48591m	1.85	ng/ul	
88) Benzo(a)pyrene	23.12	252	86805	3.41	ng/ul#	99
89) Indeno(1,2,3-cd)pyrene	25.33	276	33937	1.28	ng/ul	96
91) Benzo(g,h,i)perylene	25.96	276	23017	1.09	ng/ul#	92

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

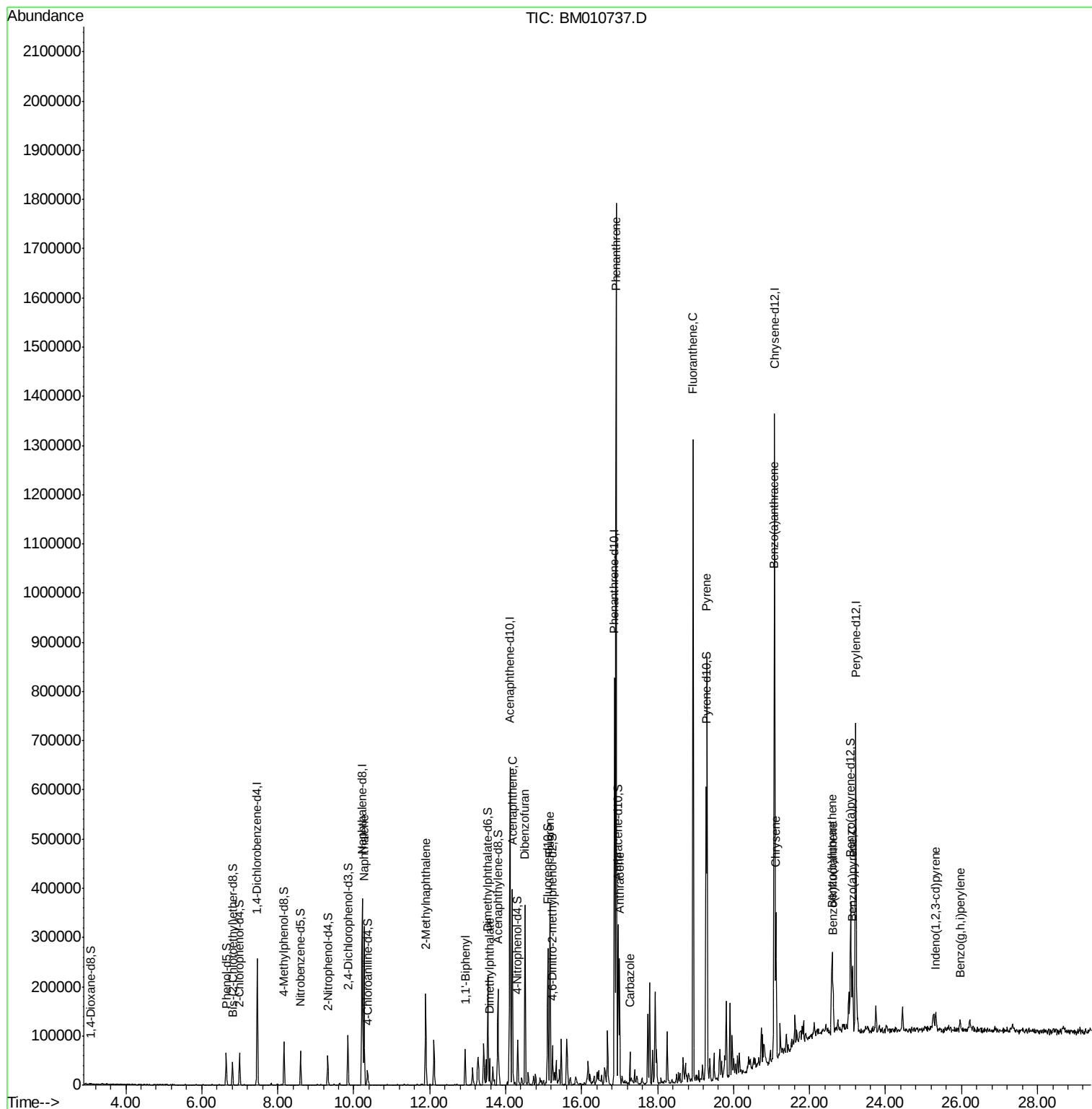
Data File : BM010737.D
Acq On : 24 Jun 2017 19:27
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Sample : I3653-09DL 2X
Misc :
ALS Vial : 52 Sample Multiplier: 1

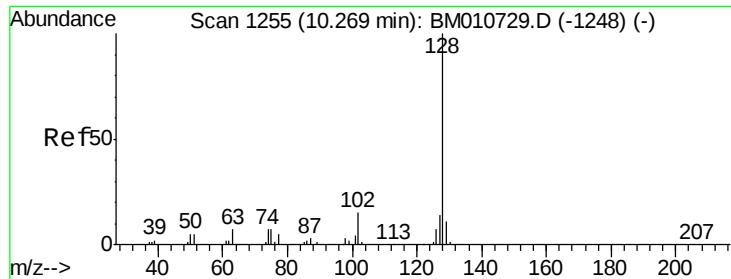
Instrument :
BNA_M
ClientSampleId :
F5C52DL

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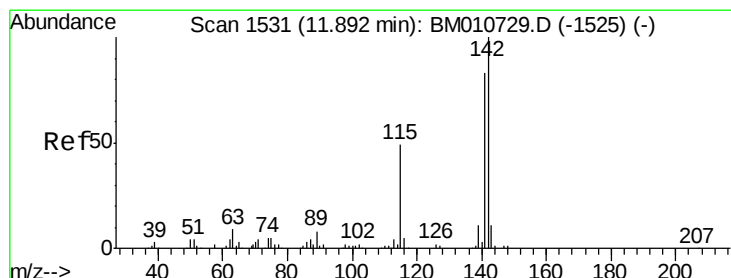
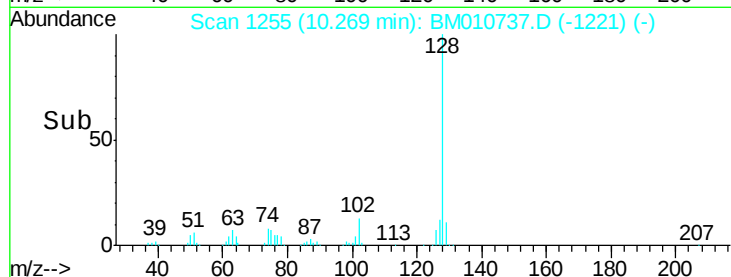
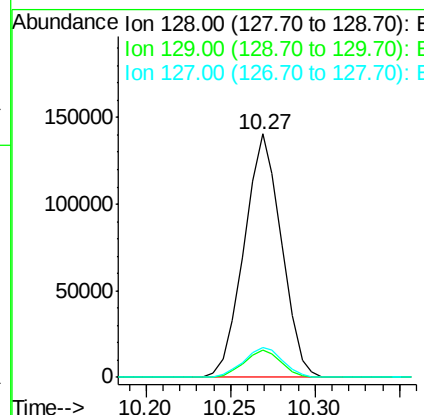
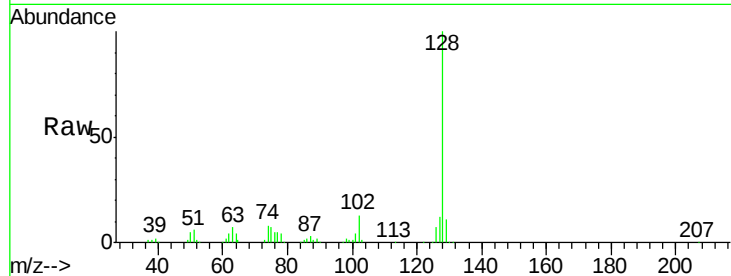
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Naphthalene
Concen: 16.19 ng/ul
RT: 10.27 min Scan# 1255
Delta R.T. 0.00 min
Lab File: BM010737.D
Acq: 24 Jun 2017 19:27

Instrument :
BNA_M
ClientSampleId :
F5C52DL

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	215974		
129	11.4		8.8	13.2
127	12.3		10.6	16.0

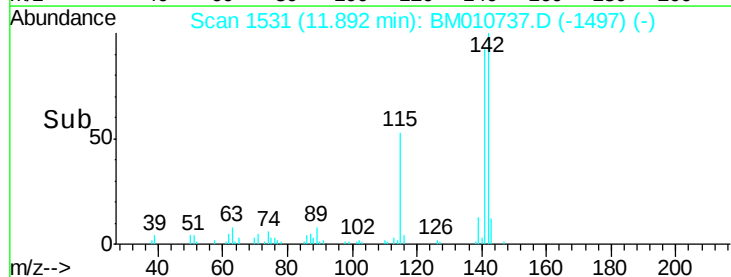
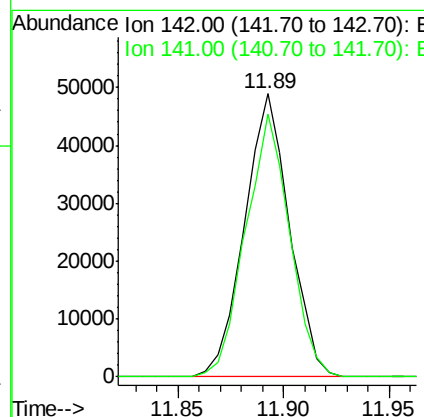
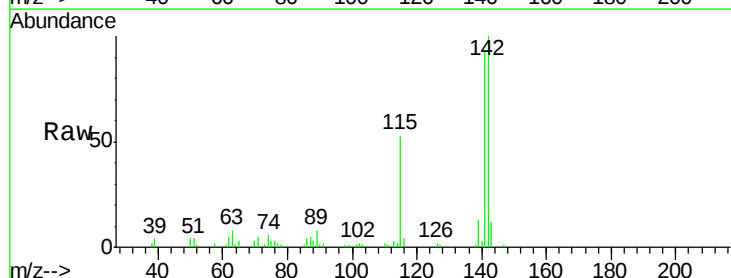
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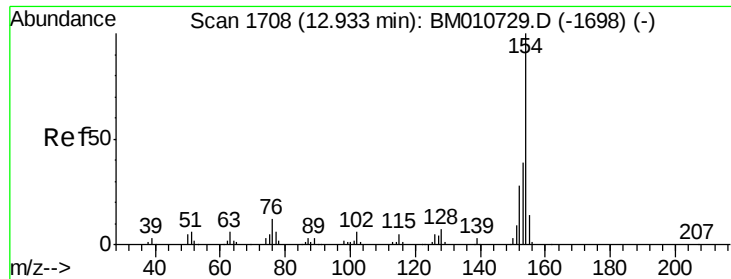
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#34
2-Methylnaphthalene
Concen: 6.73 ng/ul
RT: 11.89 min Scan# 1531
Delta R.T. 0.00 min
Lab File: BM010737.D
Acq: 24 Jun 2017 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	72198		
141	93.0		74.1	111.1





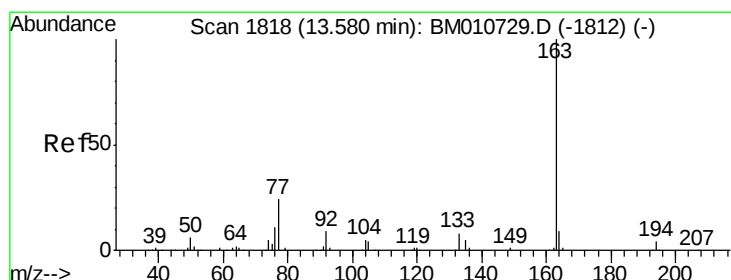
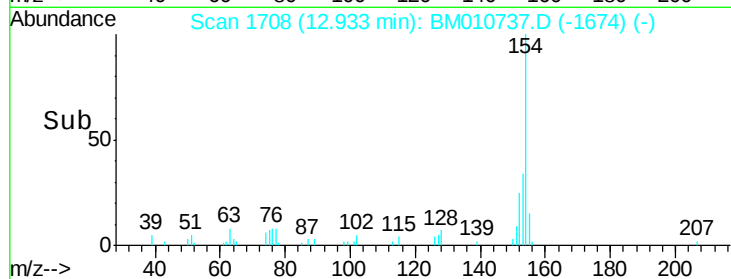
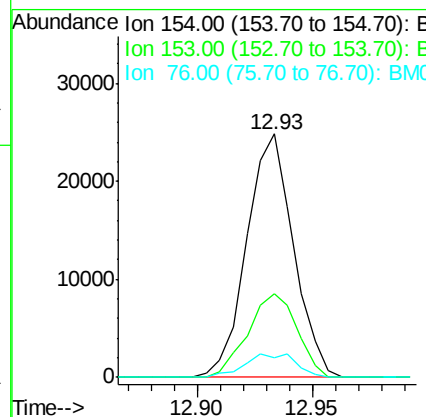
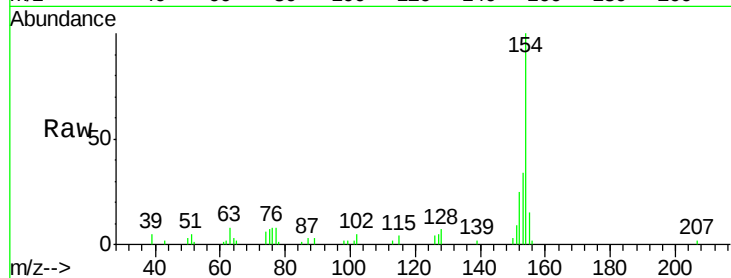
#40
 1,1'-Biphenyl
 Concen: 2.41 ng/ul
 RT: 12.93 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: BM010737.D
 Acq: 24 Jun 2017 19:27

Instrument :
 BNA_M
 ClientSampleId :
 F5C52DL

Tgt Ion	Ratio	Lower	Upper
154	100		
153	34.3	32.6	48.8
76	8.2	8.5	12.7

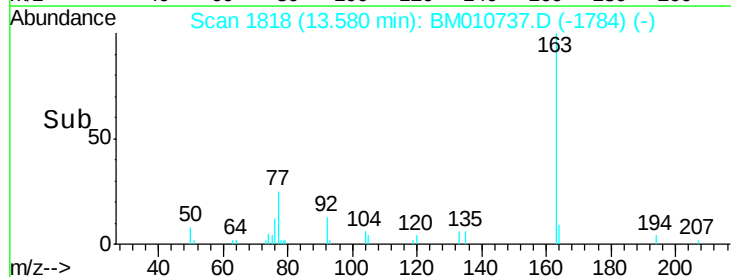
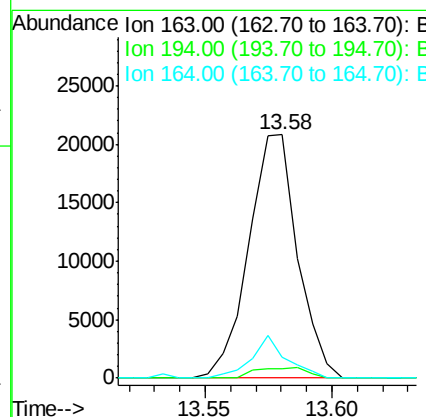
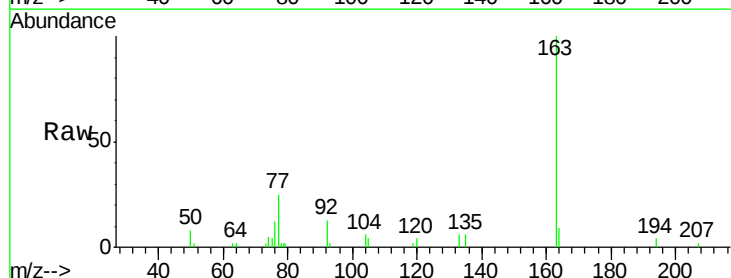
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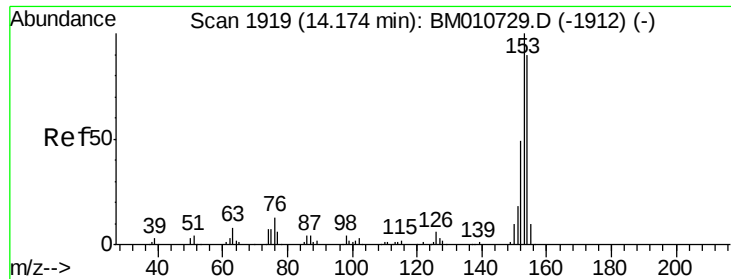
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#44
 Dimethylphthalate
 Concen: 1.74 ng/ul
 RT: 13.58 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: BM010737.D
 Acq: 24 Jun 2017 19:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.5	5.3
164	8.6	8.2	12.4





#49

Acenaphthene

Concen: 12.06 ng/ul

RT: 14.17 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BM010737.D

Acq: 24 Jun 2017 19:27

Instrument :

BNA_M

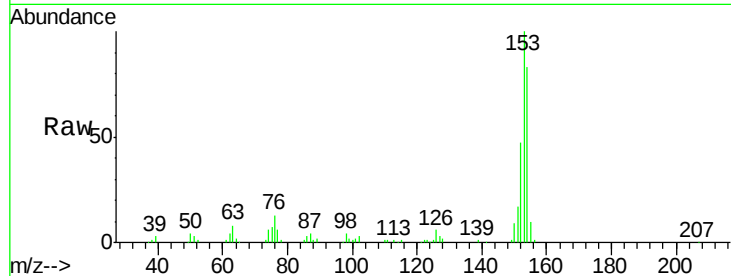
ClientSampleId :

F5C52DL

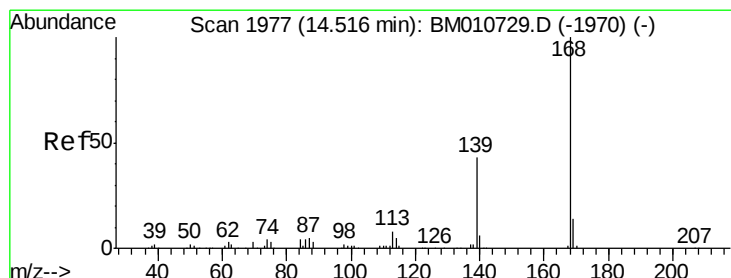
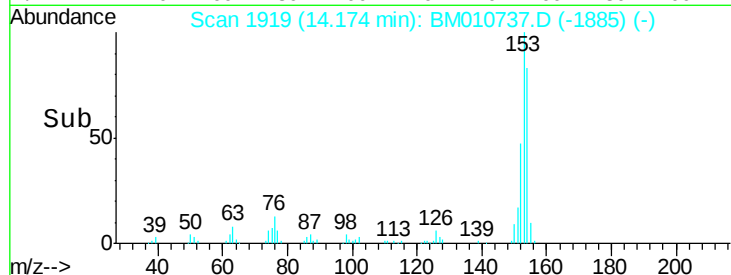
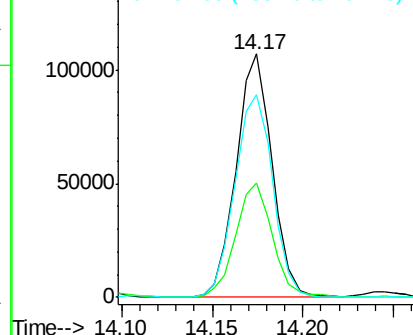
Tgt Ion:	153	Resp:	147614
Ion Ratio	Lower	Upper	
153	100		
152	46.8	37.6	56.4
154	83.3	70.4	105.6

Manual Integrations
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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 10.01 ng/ul

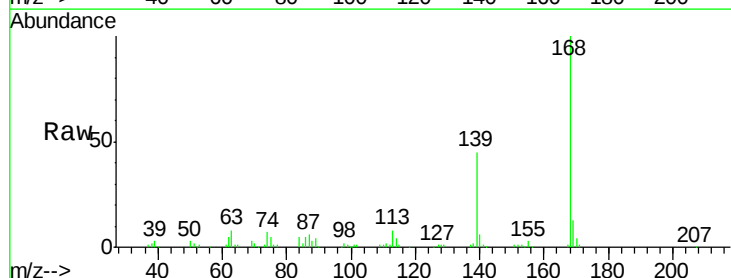
RT: 14.51 min Scan# 1976

Delta R.T. -0.01 min

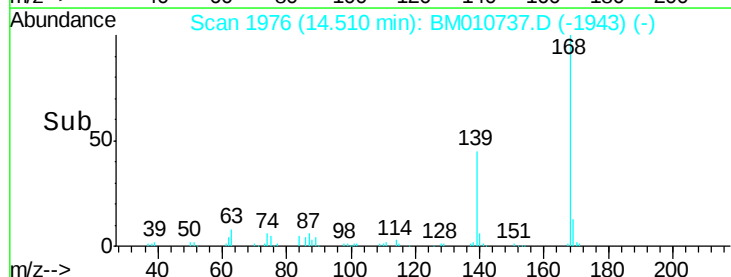
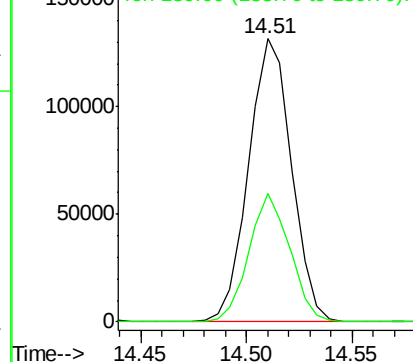
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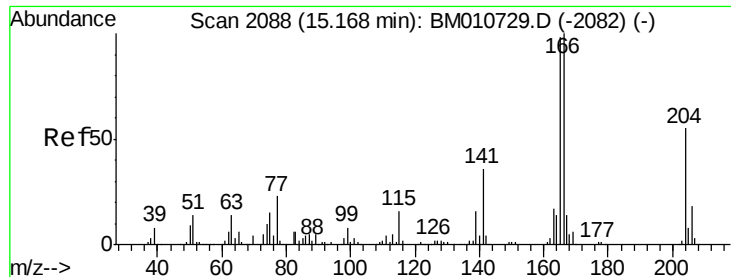
Acq: 24 Jun 2017 19:27

Tgt Ion:	168	Resp:	185601
Ion Ratio	Lower	Upper	
168	100		
139	45.4	30.8	46.2



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





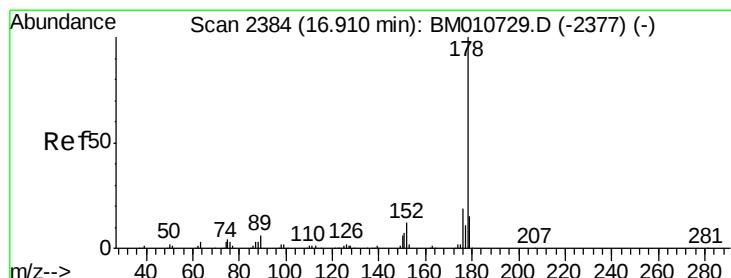
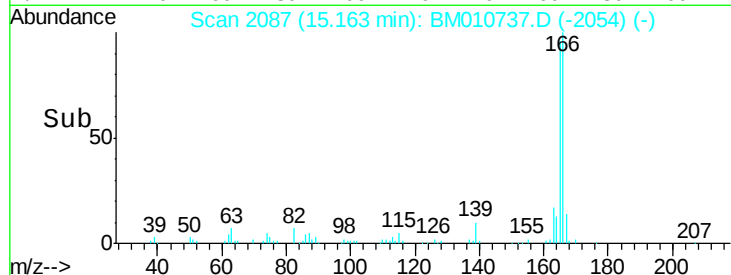
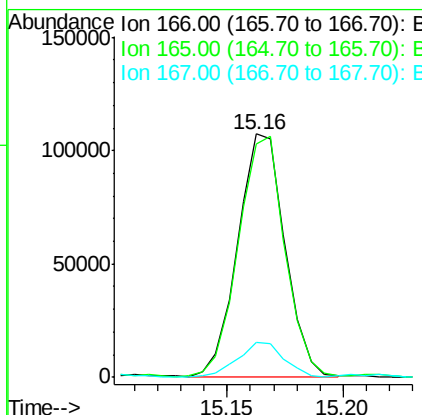
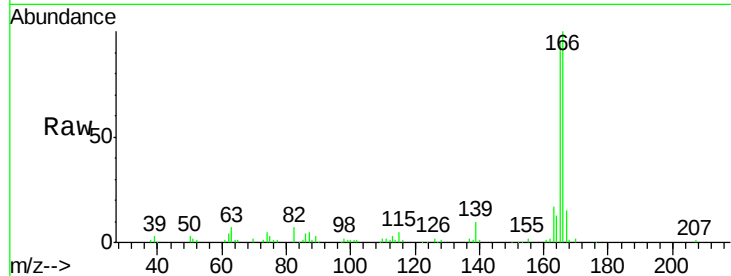
#58
 Fluorene
 Concen: 9.79 ng/ul
 RT: 15.16 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: BM010737.D
 Acq: 24 Jun 2017 19:27

Instrument :
 BNA_M
 ClientSampled :
 F5C52DL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	151977		
165	95.9	77.9	116.9	
167	14.6	10.6	16.0	

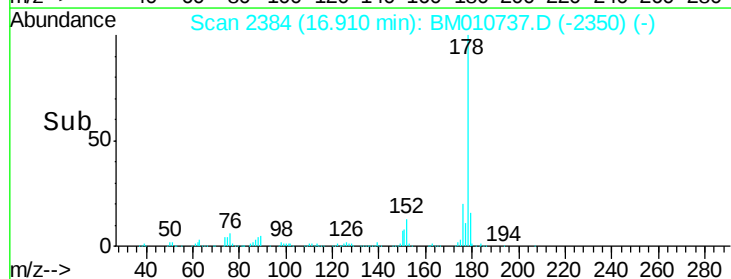
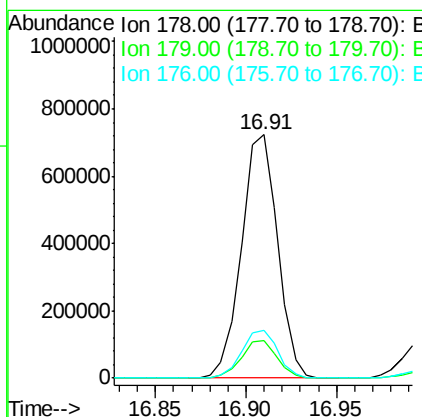
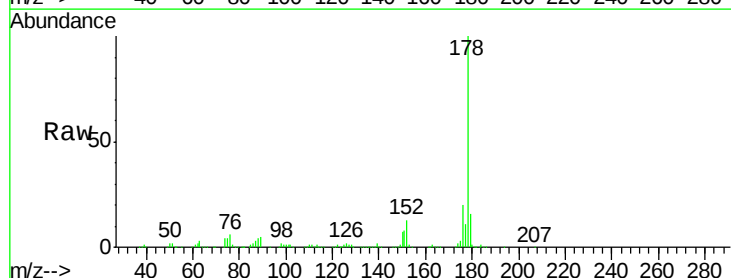
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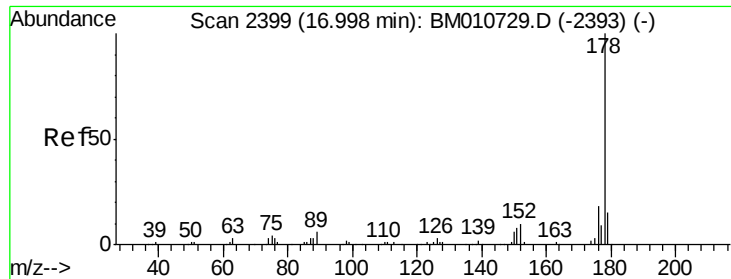
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#69
 Phenanthrene
 Concen: 40.82 ng/ul
 RT: 16.91 min Scan# 2384
 Delta R.T. 0.00 min
 Lab File: BM010737.D
 Acq: 24 Jun 2017 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1000886		
179	15.5	12.6	19.0	
176	19.7	14.9	22.3	





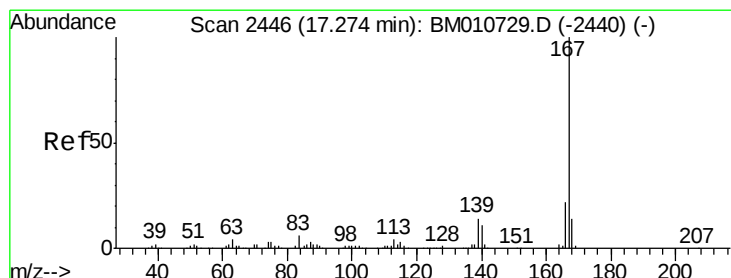
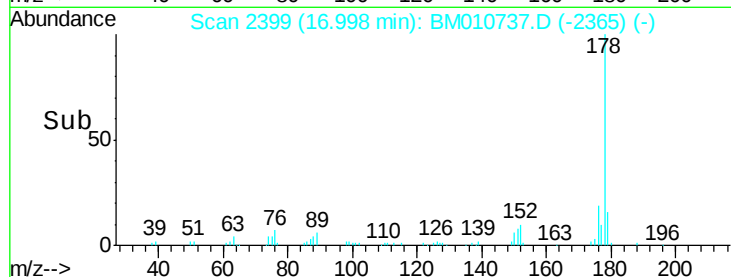
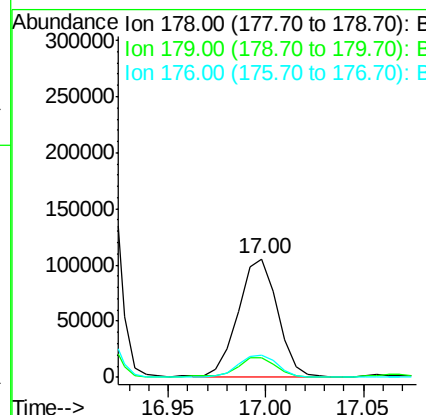
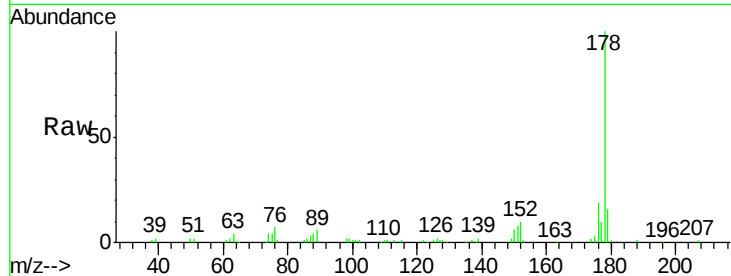
#71
 Anthracene
 Concen: 5.82 ng/ul
 RT: 17.00 min Scan# 2399
 Delta R.T. 0.00 min
 Lab File: BM010737.D
 Acq: 24 Jun 2017 19:27

Instrument :
 BNA_M
 ClientSampleId :
 F5C52DL

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.4	11.7	17.5
176	18.9	14.6	21.8

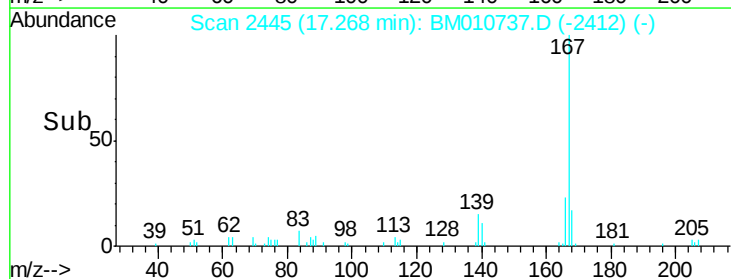
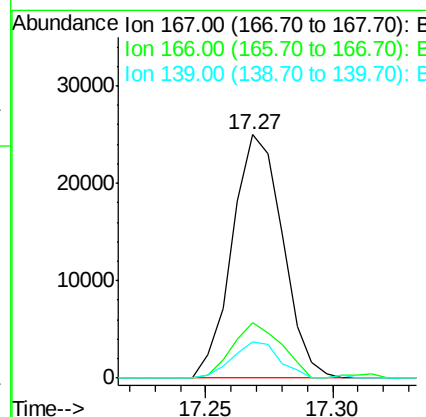
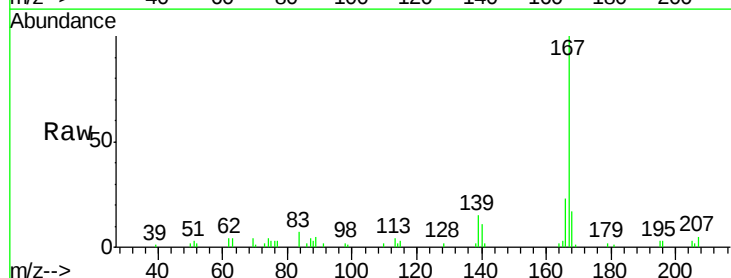
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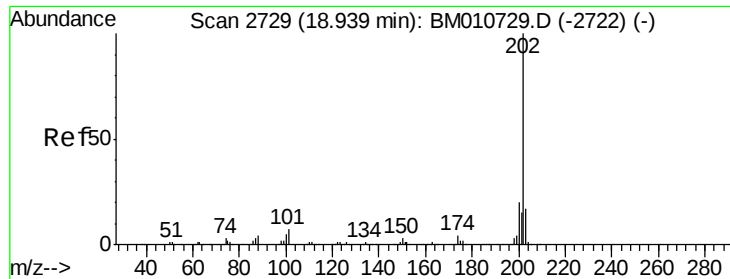
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#72
 Carbazole
 Concen: 1.57 ng/ul
 RT: 17.27 min Scan# 2445
 Delta R.T. -0.01 min
 Lab File: BM010737.D
 Acq: 24 Jun 2017 19:27

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.1	25.7
139	15.0	10.0	15.0





#74

Fluoranthene

Concen: 23.91 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM010737.D

Acq: 24 Jun 2017 19:27

Instrument :

BNA_M

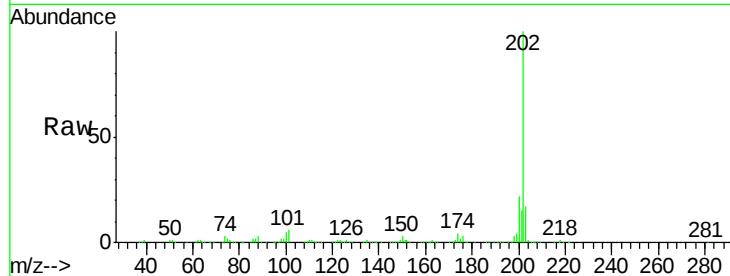
ClientSampleId :

F5C52DL

Tgt	Ion	202	Resp:	755594
Ion	Ratio	Lower	Upper	
202	100			
101	6.1	4.6	7.0	
100	5.1	3.4	5.2	

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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

18.94

600000

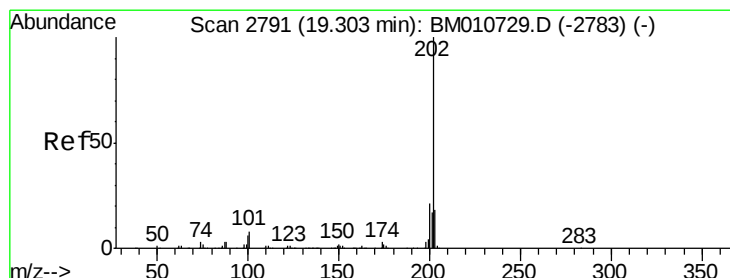
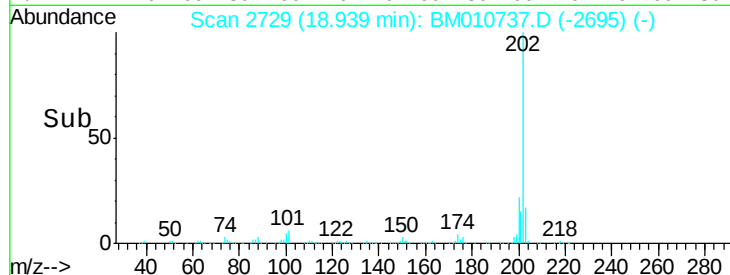
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200000

0

18.90 18.95 19.00

Time-->



#77

Pyrene

Concen: 16.29 ng/ul

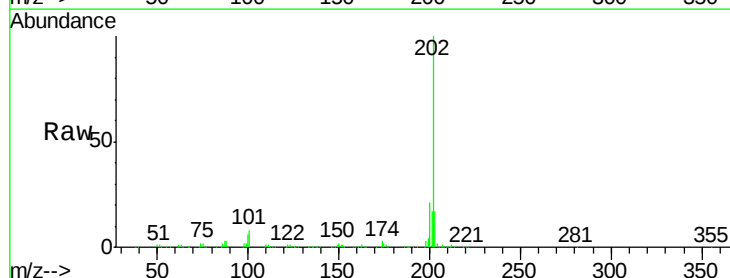
RT: 19.30 min Scan# 2790

Delta R.T. -0.01 min

Lab File: BM010737.D

Acq: 24 Jun 2017 19:27

Tgt	Ion	202	Resp:	527318
Ion	Ratio	Lower	Upper	
202	100			
101	7.6	5.1	7.7	
100	5.9	4.9	7.3	



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

19.30

500000

400000

300000

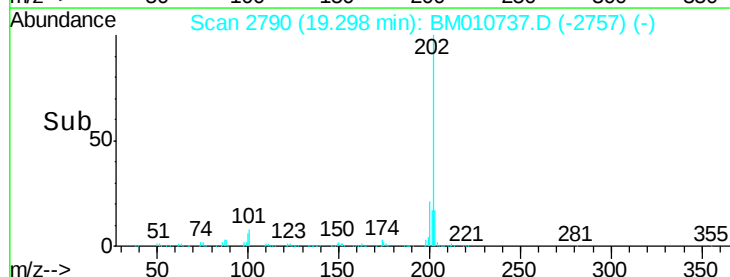
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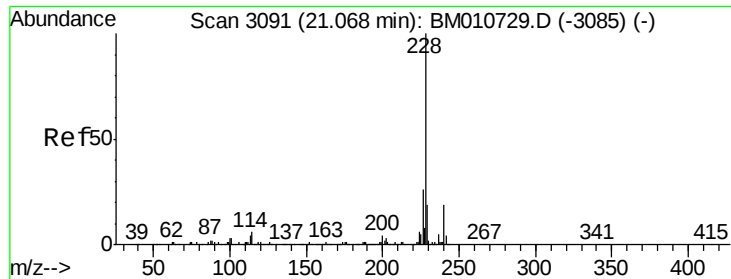
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0

19.25 19.30 19.35

Time-->





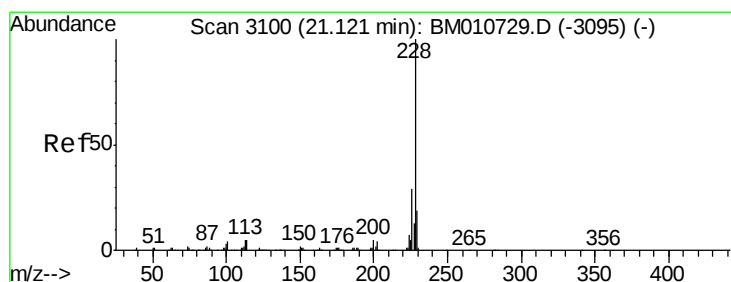
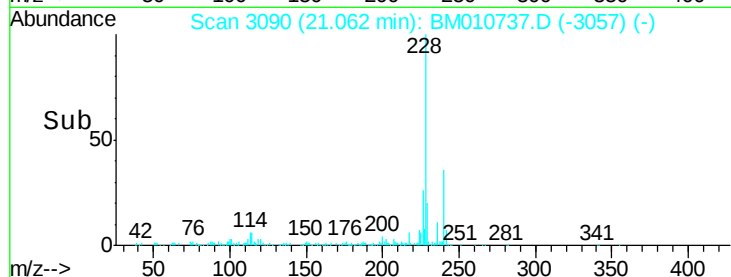
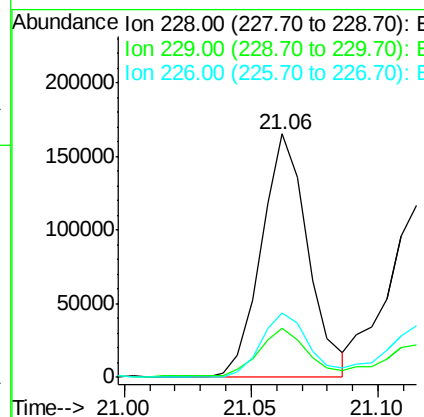
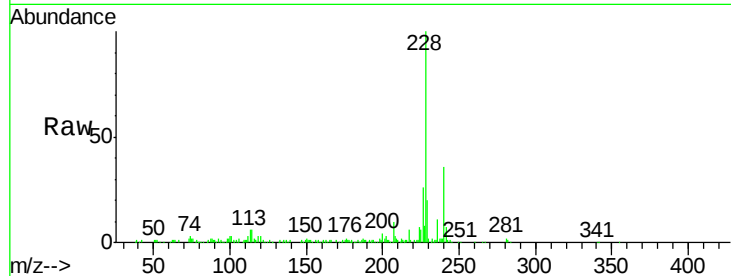
#80
Benzo(a)anthracene
Concen: 6.41 ng/ul
RT: 21.06 min Scan# 3090
Delta R.T. -0.01 min
Lab File: BM010737.D
Acq: 24 Jun 2017 19:27

Instrument :
BNA_M
ClientSampleId :
F5C52DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.4	15.4	23.0
226	26.3	21.4	32.0

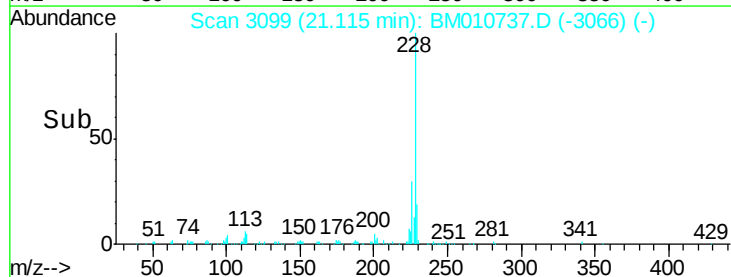
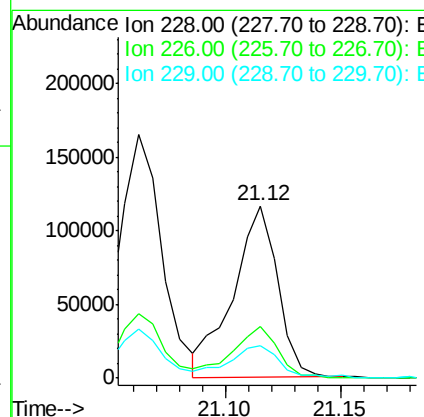
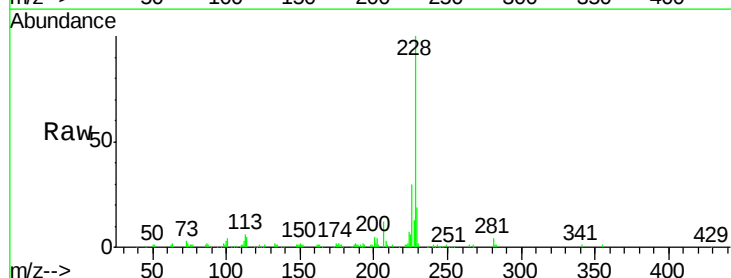
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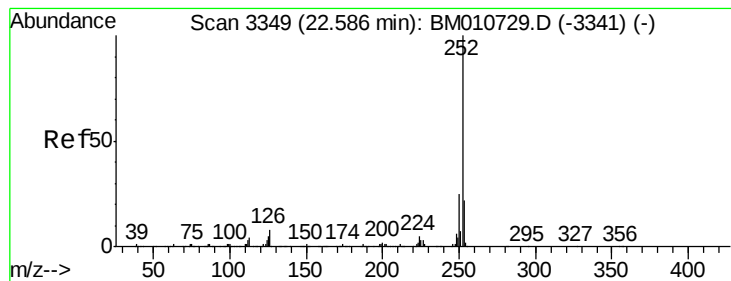
mohammad
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#82
Chrysene
Concen: 5.38 ng/ul
RT: 21.12 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM010737.D
Acq: 24 Jun 2017 19:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.0	23.4	35.2
229	18.9	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 4.92 ng/ul

RT: 22.59 min Scan# 3349

Delta R.T. 0.00 min

Lab File: BM010737.D

Acq: 24 Jun 2017 19:27

Instrument :

BNA_M

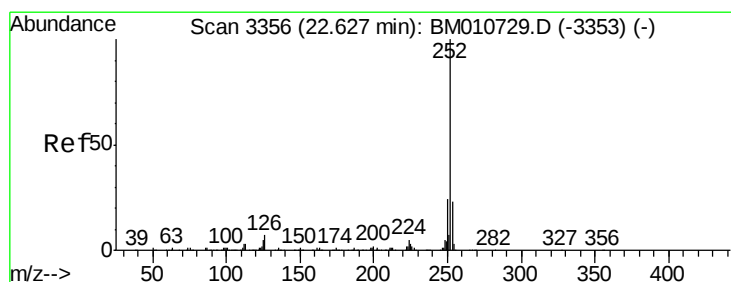
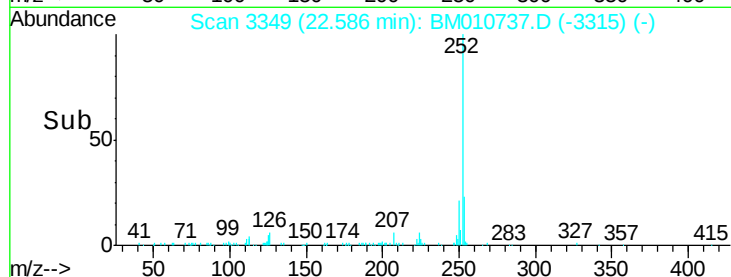
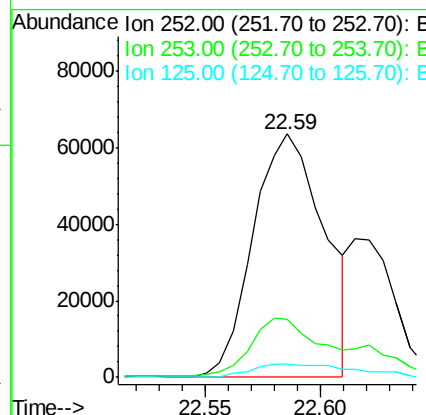
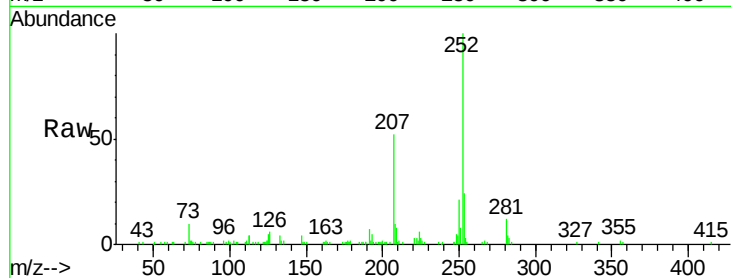
ClientSampleId :

F5C52DL

Tgt Ion:	252	Resp:	136229
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.9	26.9
125	5.3	3.6	5.4

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#86

Benzo(k)fluoranthene

Concen: 1.85 ng/ul m

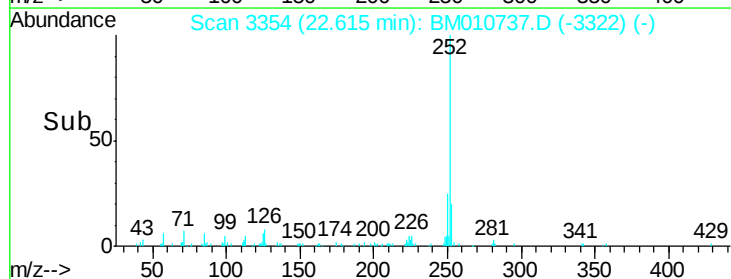
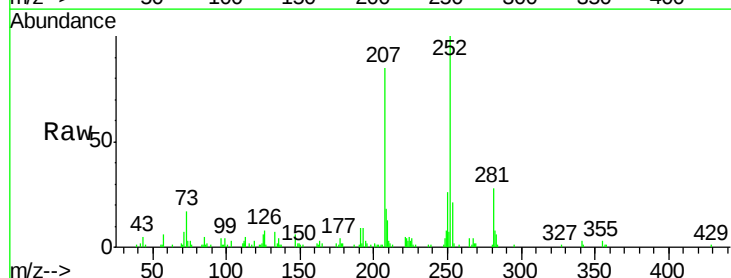
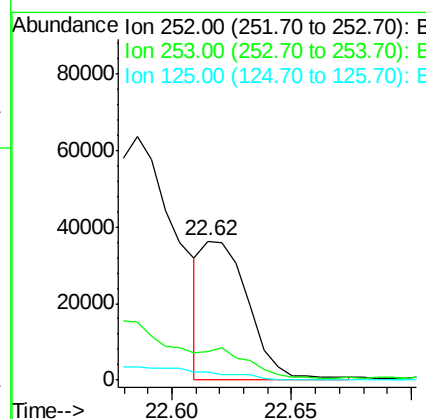
RT: 22.62 min Scan# 3354

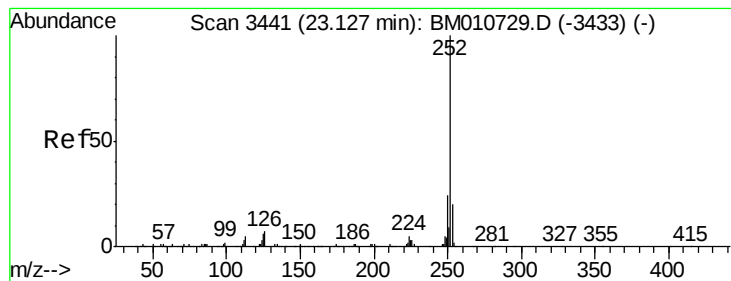
Delta R.T. -0.01 min

Lab File: BM010737.D

Acq: 24 Jun 2017 19:27

Tgt Ion:	252	Resp:	48591
Ion Ratio	Lower	Upper	
252	100		
253	20.6	17.1	25.7
125	6.1	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 3.41 ng/ul

RT: 23.12 min Scan# 3440

Delta R.T. -0.01 min

Lab File: BM010737.D

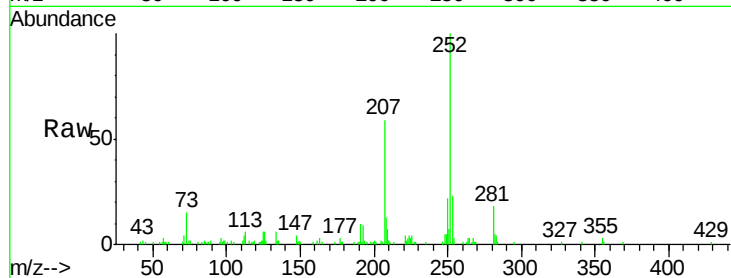
Acq: 24 Jun 2017 19:27

Instrument :

BNA_M

ClientSampleId :

F5C52DL



Tgt Ion: 252 Resp: 86805

Ion Ratio Lower Upper

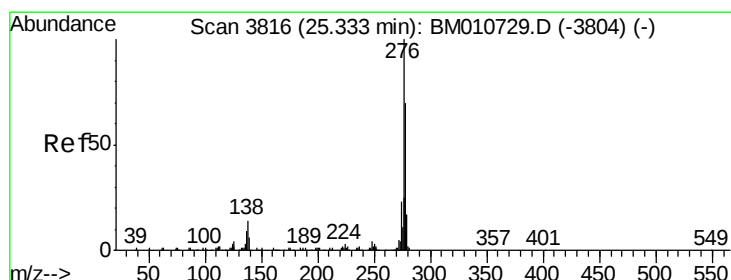
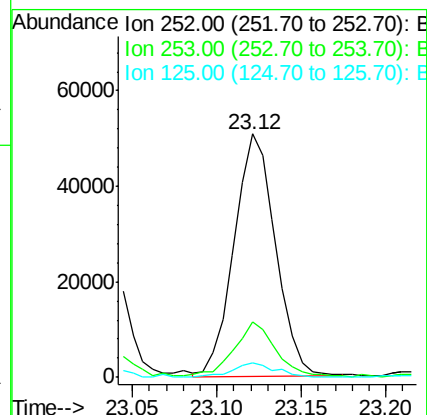
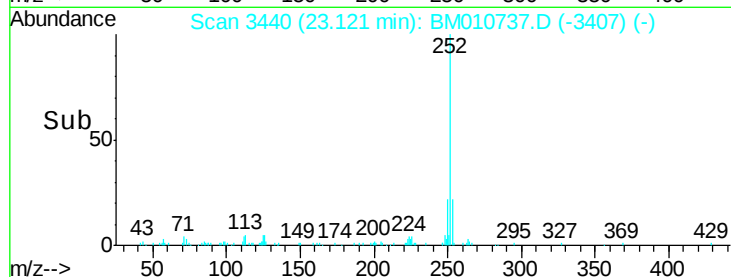
252 100

253 22.8 18.2 27.2

125 6.1 4.0 6.0#

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#89

Indeno(1,2,3-cd)pyrene

Concen: 1.28 ng/ul

RT: 25.33 min Scan# 3815

Delta R.T. -0.01 min

Lab File: BM010737.D

Acq: 24 Jun 2017 19:27

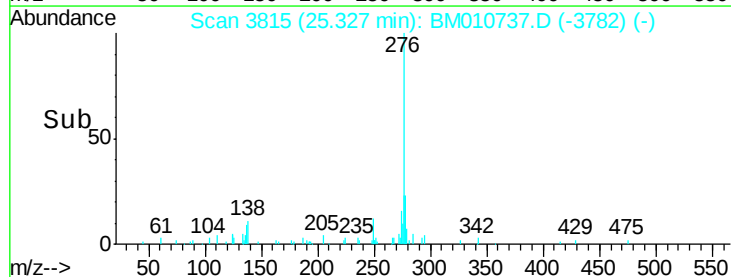
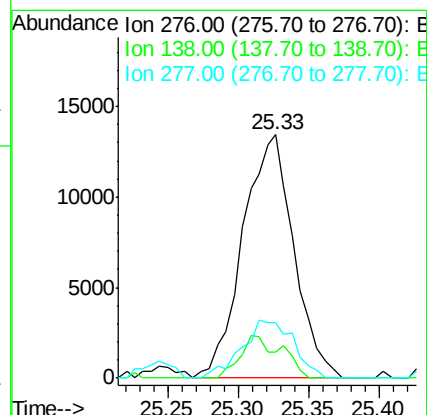
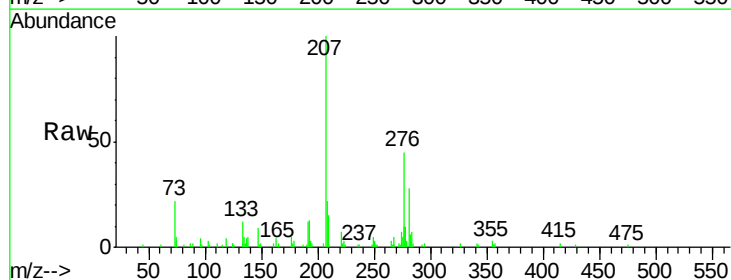
Tgt Ion: 276 Resp: 33937

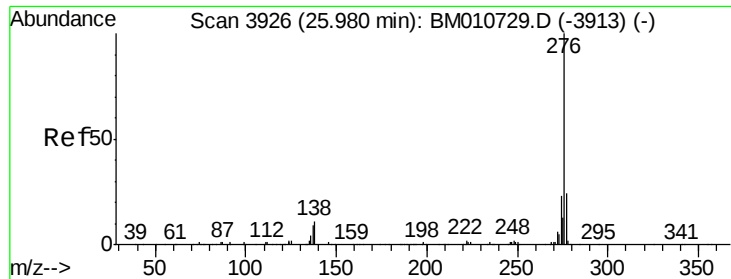
Ion Ratio Lower Upper

276 100

138 10.5 9.3 13.9

277 22.6 19.9 29.9





#91
 Benzo(g,h,i)perylene
 Concen: 1.09 ng/ul
 RT: 25.96 min Scan# 3922
 Delta R.T. -0.02 min
 Lab File: BM010737.D
 Acq: 24 Jun 2017 19:27

Instrument :
 BNA_M
 ClientSampleId :
 F5C52DL

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	16.5	8.5	12.7#
277	20.9	18.6	28.0

Manual Integrations
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mohammad
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