

Data File : BM010545.D
Acq On : 12 Jun 2017 21:09
Operator : SJ/MA
Sample : I3521-09DL 20X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 13 03:34:25 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	121336	20.00	ng/ul	0.00
18) Naphthalene-d8	10.69	136	460439	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.53	164	346522	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	946203	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1151512	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1091751	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.38	96	900	0.30	ng/uL	0.02
5) Phenol-d5	7.08	99	8515	0.93	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	5775	1.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	7968	1.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.62	113	7305	0.98	ng/ul	0.00
19) Nitrobenzene-d5	9.07	128	1413	0.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.78	143	2428	0.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.33	165	7465	0.93	ng/ul	0.02
29) 4-Chloroaniline-d4	10.86	131	4188	0.54	ng/ul	0.00
43) Dimethylphthalate-d6	13.94	166	38105	1.32	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	34789	1.04	ng/ul	0.00
51) 4-Nitrophenol-d4	14.80	143	2078	0.48	ng/ul	0.03
57) Fluorene-d10	15.52	176	35806	1.41	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.65	200	5076	0.76	ng/ul	0.00
70) Anthracene-d10	17.37	188	58039	1.26	ng/ul	0.00
76) Pyrene-d10	19.66	212	71599	1.50	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.62	264	65448	1.29	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.74	128	475352	20.58	ng/ul	97
30) 4-Chloroaniline	10.74	127	63904	8.55	ng/ul#	10
34) 2-Methylnaphthalene	12.35	142	166650	9.52	ng/ul	96
40) 1,1'-Biphenyl	13.36	154	57911	2.06	ng/ul	92
44) Dimethylphthalate	13.99	163	36693	1.30	ng/ul#	95
49) Acenaphthene	14.59	153	191667	8.33	ng/ul	92
53) Dibenzofuran	14.92	168	277340	8.15	ng/ul	89
58) Fluorene	15.57	166	305833	10.95	ng/ul	97
69) Phenanthrene	17.32	178	1380637	27.33	ng/ul	99
71) Anthracene	17.41	178	196482	3.73	ng/ul	98
72) Carbazole	17.69	167	71975	1.61	ng/ul#	93
74) Fluoranthene	19.32	202	774073	12.46	ng/ul#	96
77) Pyrene	19.69	202	491964	8.29	ng/ul#	93
80) Benzo(a)anthracene	21.42	228	144096	2.22	ng/ul	94
82) Chrysene	21.42	228	144096	2.45	ng/ul	97
85) Benzo(b)fluoranthene	23.06	252	72810	1.15	ng/ul#	94

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

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Sample : I3521-09DL 20X

Misc :

ALS Vial : 19 Sample Multiplier: 1

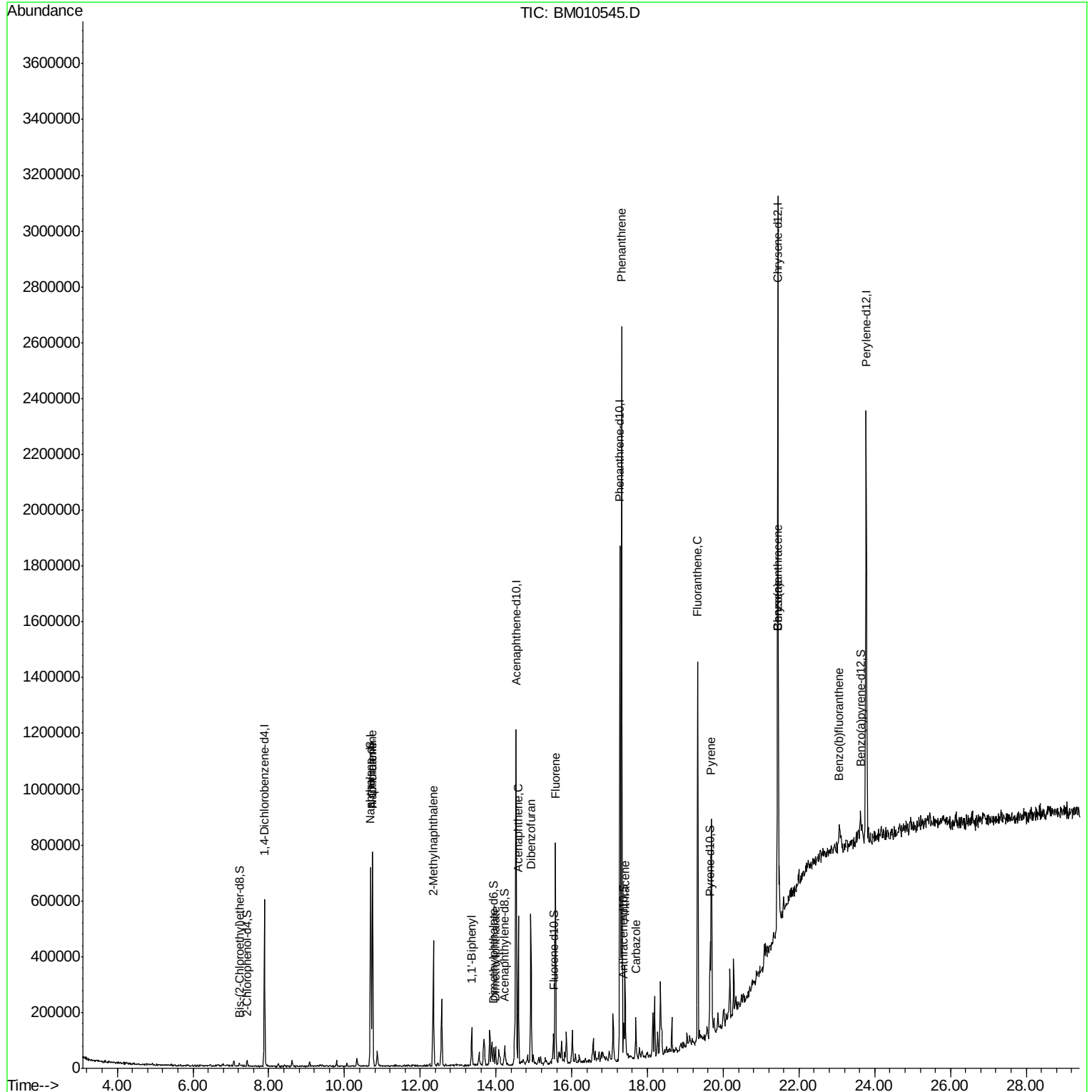
Quant Time: Jun 13 03:34:25 2017

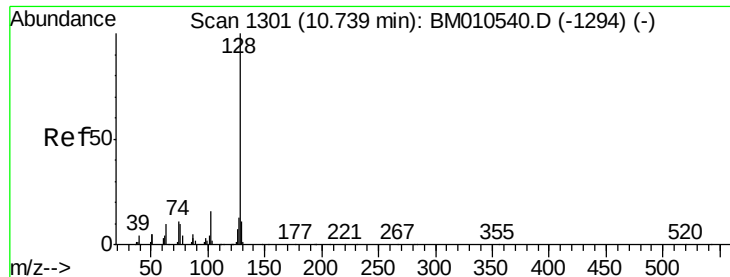
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 13 03:33:28 2017

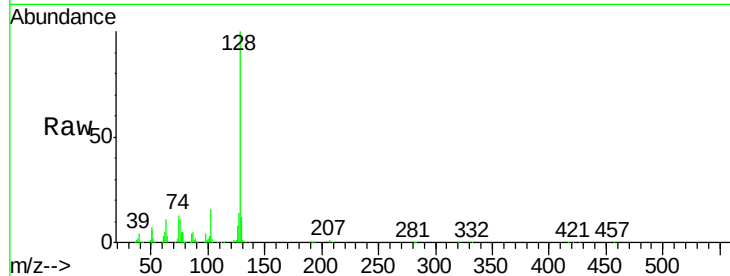
Response via : Initial Calibration



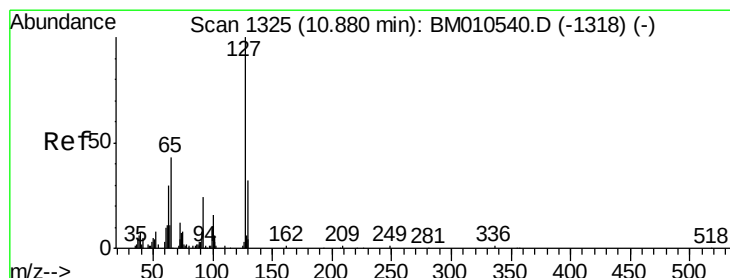
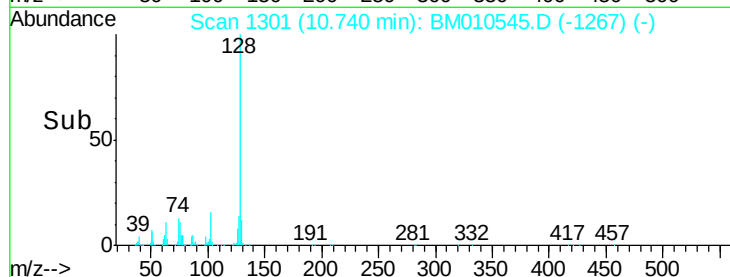
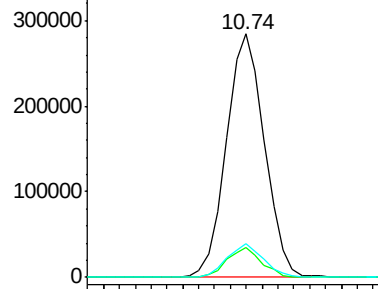


#28
Naphthalene
Concen: 20.58 ng/ul
RT: 10.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BM010545.D
Acq: 12 Jun 2017 21:09

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.4	8.8	13.2
127	14.1	10.6	16.0

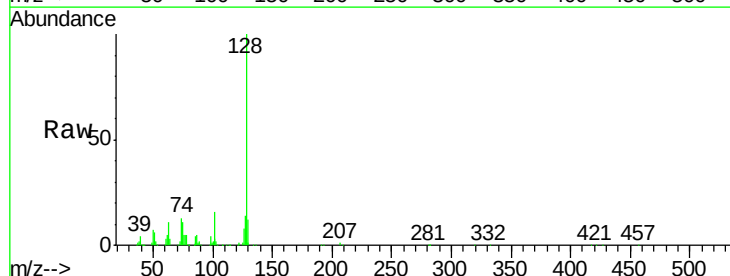


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

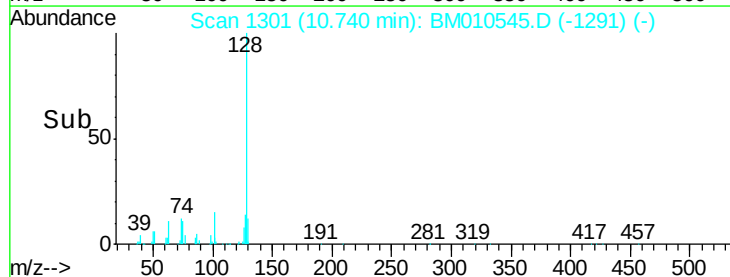
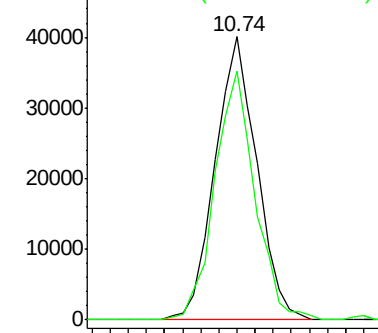


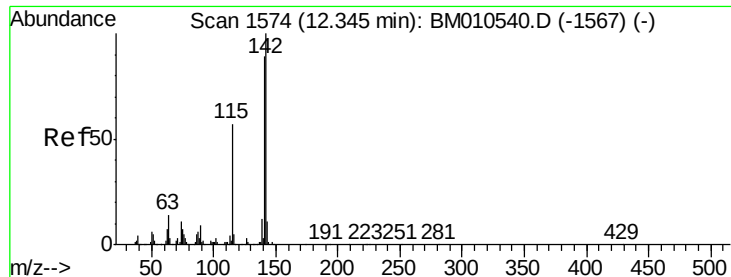
#30
4-Chloroaniline
Concen: 8.55 ng/ul
RT: 10.74 min Scan# 1301
Delta R.T. -0.14 min
Lab File: BM010545.D
Acq: 12 Jun 2017 21:09

Tgt Ion	Ratio	Lower	Upper
127	100		
129	88.0	28.4	42.6



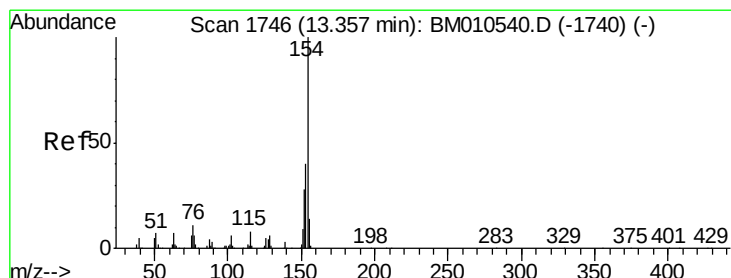
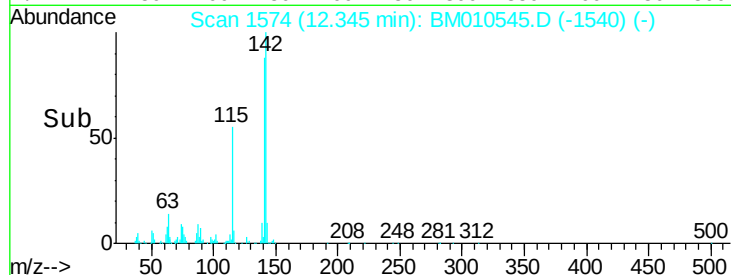
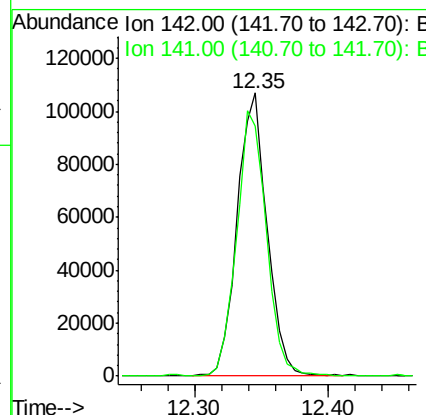
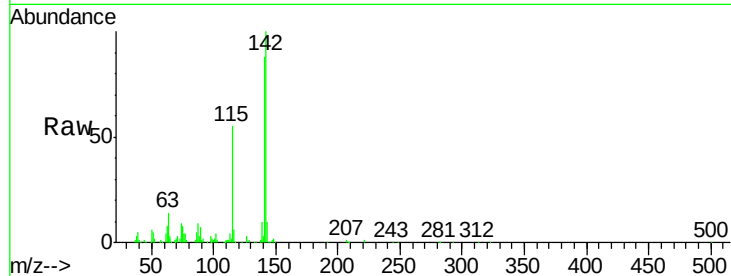
Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E





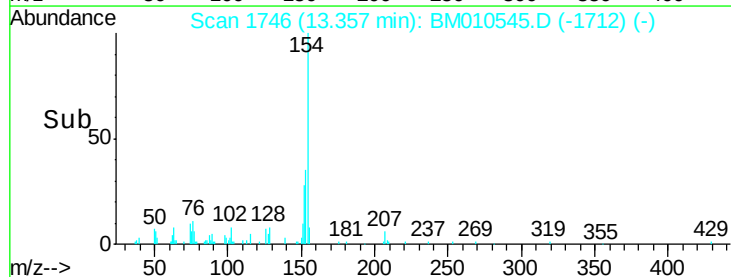
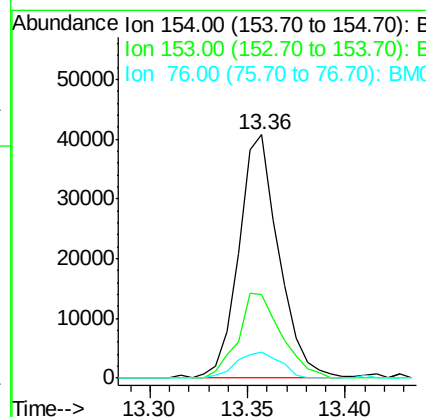
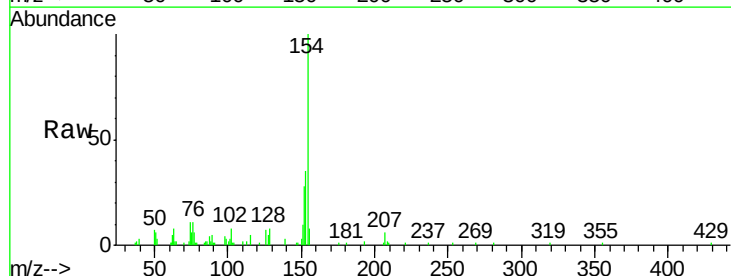
#34
 2-Methylnaphthalene
 Concen: 9.52 ng/ul
 RT: 12.35 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: BM010545.D
 Acq: 12 Jun 2017 21:09

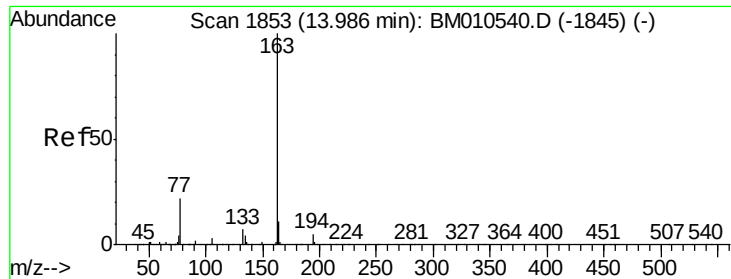
Tgt Ion:142 Resp: 166650
 Ion Ratio Lower Upper
 142 100
 141 88.3 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 2.06 ng/ul
 RT: 13.36 min Scan# 1746
 Delta R.T. 0.00 min
 Lab File: BM010545.D
 Acq: 12 Jun 2017 21:09

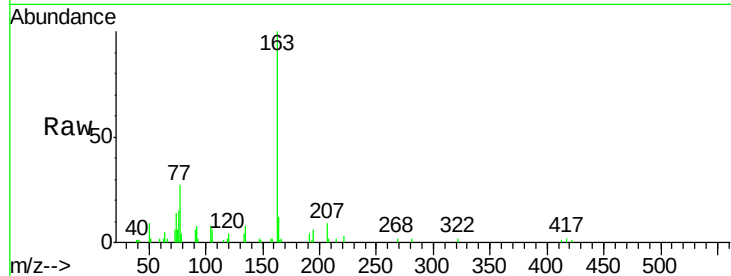
Tgt Ion:154 Resp: 57911
 Ion Ratio Lower Upper
 154 100
 153 34.6 32.6 48.8
 76 10.7 8.5 12.7



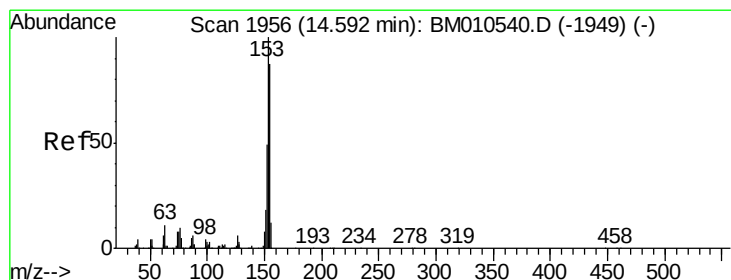
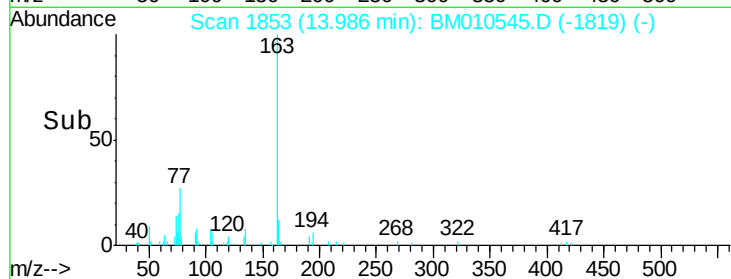
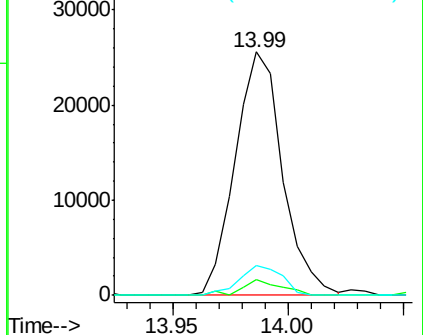


#44
Dimethylphthalate
Concen: 1.30 ng/ul
RT: 13.99 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BM010545.D
Acq: 12 Jun 2017 21:09

Tgt Ion	Resp	Lower	Upper
163	36693		
194	6.4	3.5	5.3#
164	12.2	8.2	12.4

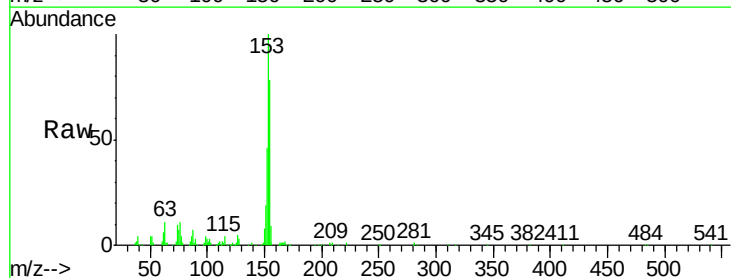


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

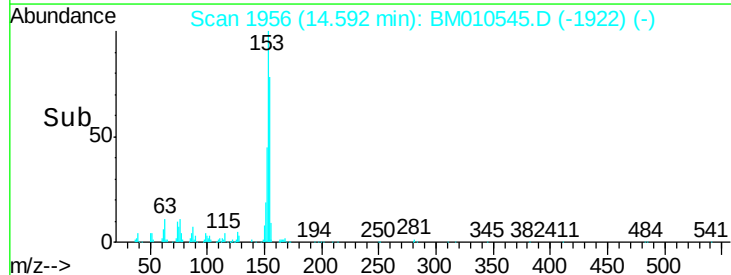
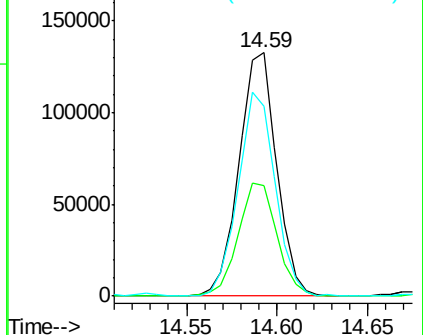


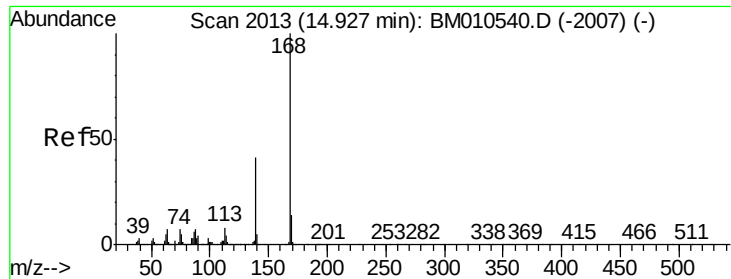
#49
Acenaphthene
Concen: 8.33 ng/ul
RT: 14.59 min Scan# 1956
Delta R.T. 0.00 min
Lab File: BM010545.D
Acq: 12 Jun 2017 21:09

Tgt Ion	Resp	Lower	Upper
153	191667		
152	45.6	37.6	56.4
154	77.9	70.4	105.6



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

Dibenzenofuran

Concen: 8.15 ng/ul

RT: 14.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BM010545.D

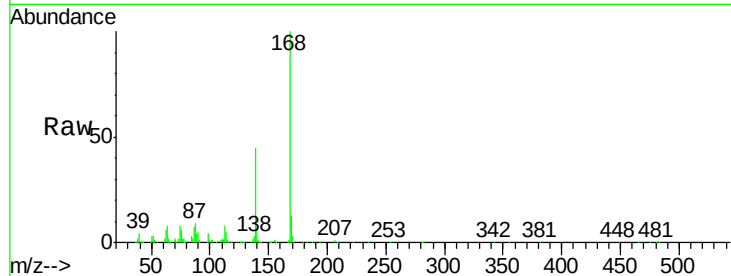
Acq: 12 Jun 2017 21:09

Tgt Ion:168 Resp: 277340

Ion Ratio Lower Upper

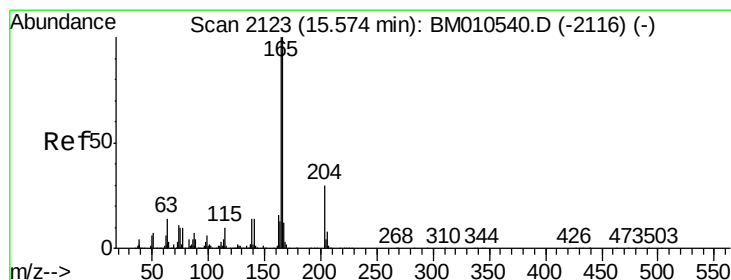
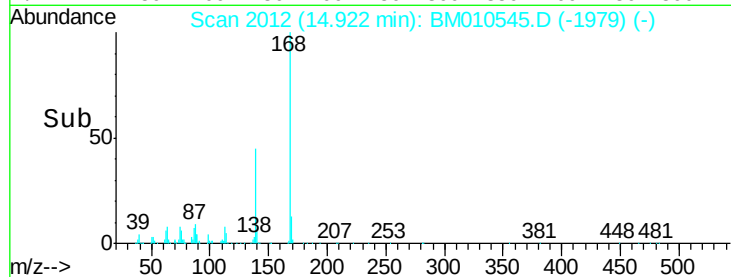
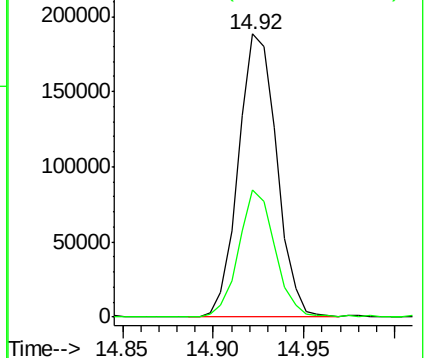
168 100

139 45.0 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: 10.95 ng/ul

RT: 15.57 min Scan# 2123

Delta R.T. 0.00 min

Lab File: BM010545.D

Acq: 12 Jun 2017 21:09

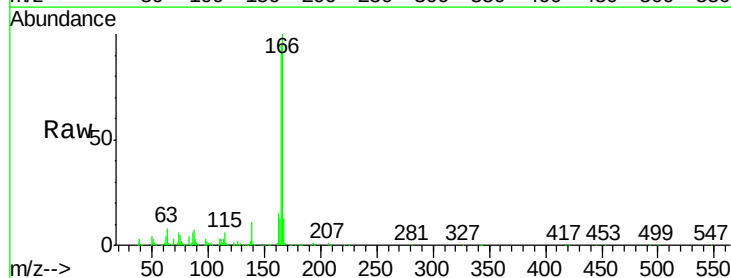
Tgt Ion:166 Resp: 305833

Ion Ratio Lower Upper

166 100

165 94.8 77.9 116.9

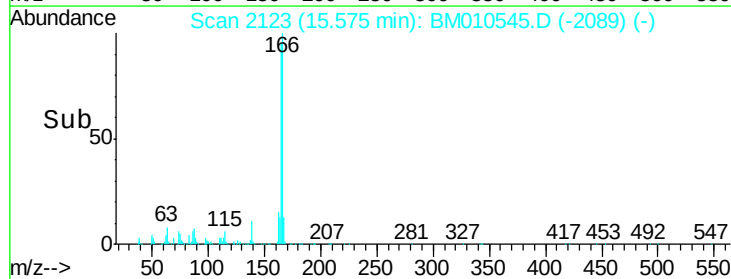
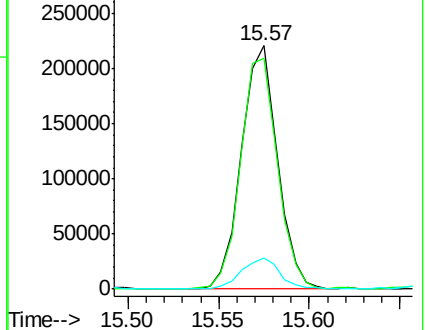
167 12.8 10.6 16.0

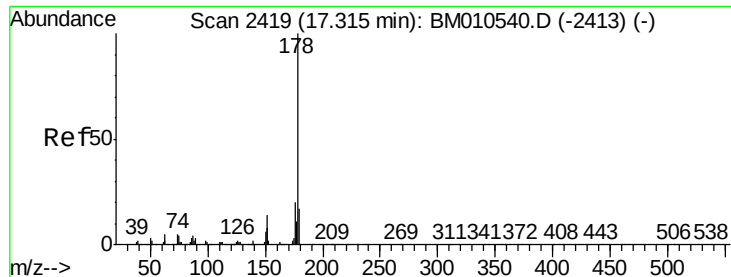


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 27.33 ng/ul

RT: 17.32 min Scan# 2419

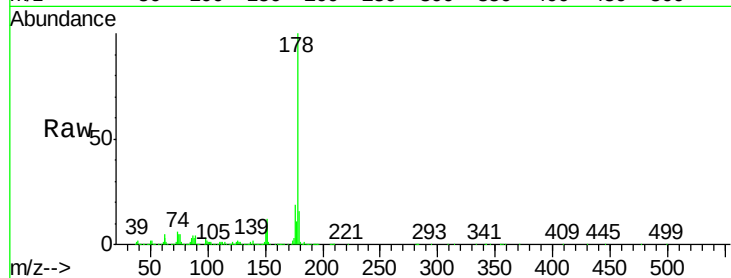
Delta R.T. 0.00 min

Lab File: BM010545.D

Acq: 12 Jun 2017 21:09

Tgt Ion:178 Resp: 1380637

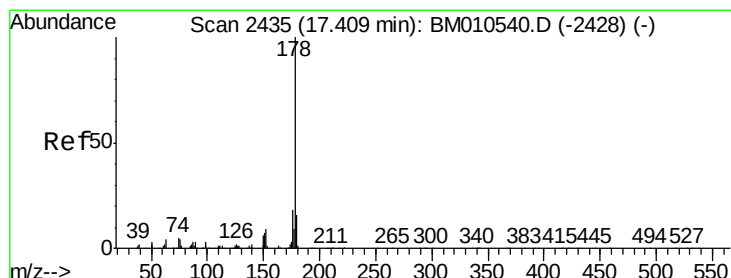
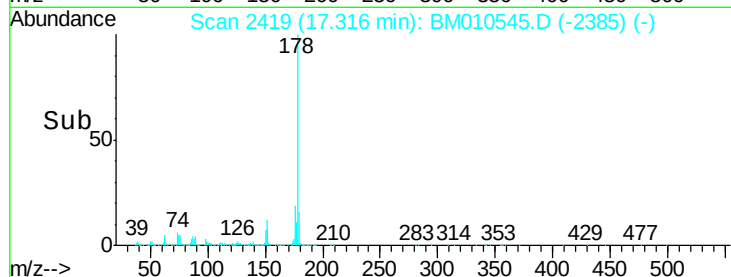
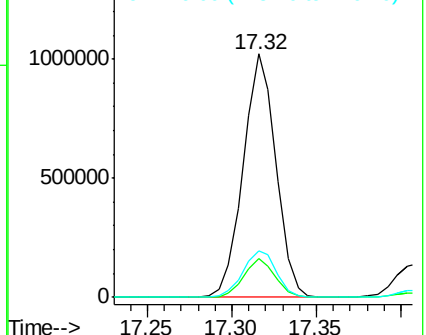
Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	19.0
176	19.2	14.9	22.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 3.73 ng/ul

RT: 17.41 min Scan# 2435

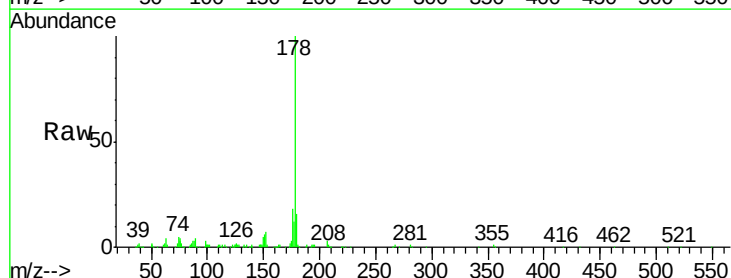
Delta R.T. 0.00 min

Lab File: BM010545.D

Acq: 12 Jun 2017 21:09

Tgt Ion:178 Resp: 196482

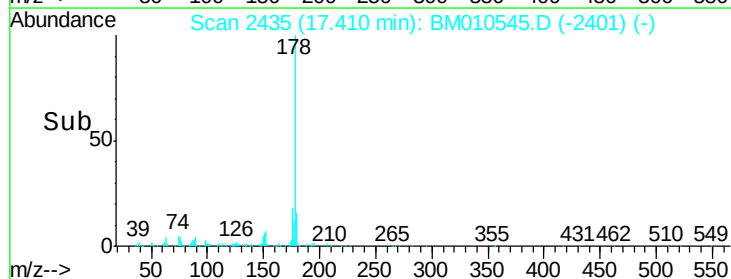
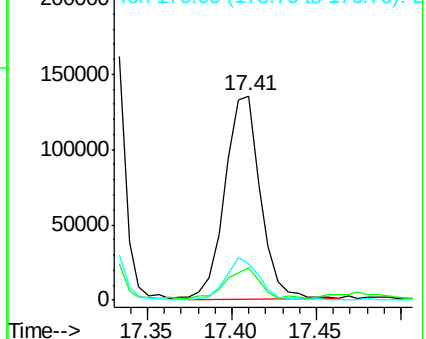
Ion	Ratio	Lower	Upper
178	100		
179	16.0	11.7	17.5
176	18.0	14.6	21.8

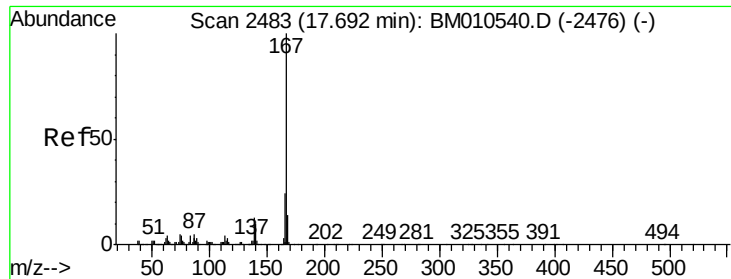


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.61 ng/ul

RT: 17.69 min Scan# 2483

Delta R.T. 0.00 min

Lab File: BM010545.D

Acq: 12 Jun 2017 21:09

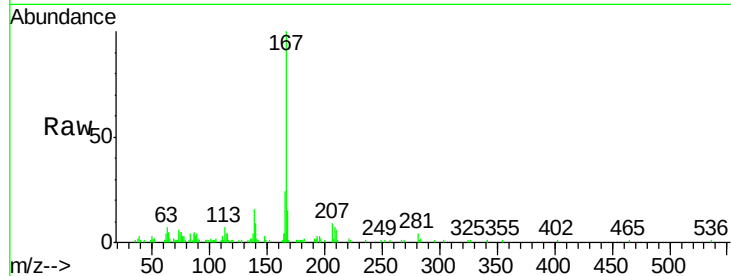
Tgt Ion:167 Resp: 71975

Ion Ratio Lower Upper

167 100

166 23.9 17.1 25.7

139 16.4 10.0 15.0#



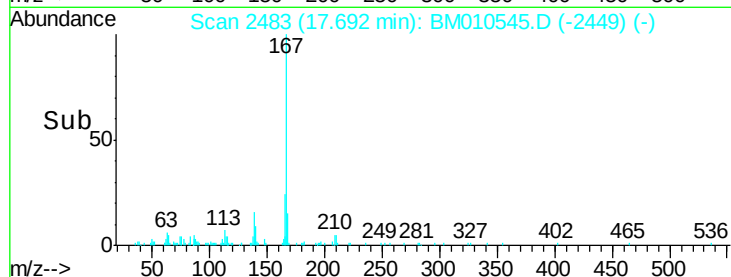
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

17.69

Time-->



Abundance

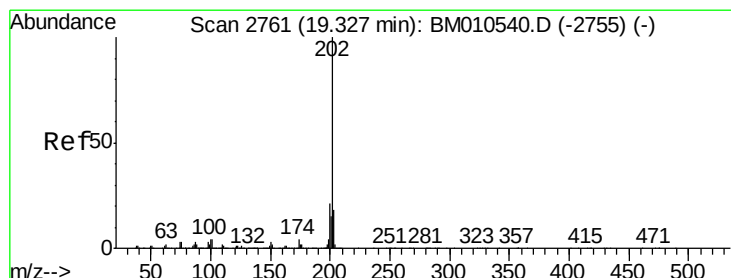
Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

17.69

Time-->



#74

Fluoranthene

Concen: 12.46 ng/ul

RT: 19.32 min Scan# 2760

Delta R.T. -0.01 min

Lab File: BM010545.D

Acq: 12 Jun 2017 21:09

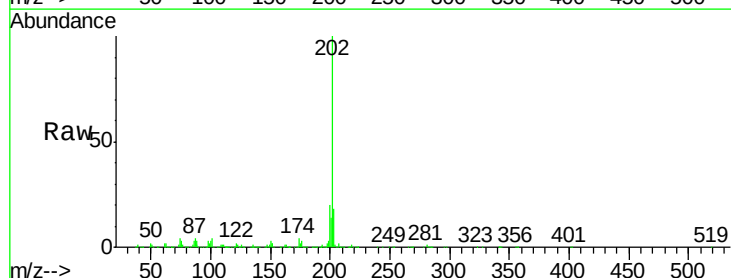
Tgt Ion:202 Resp: 774073

Ion Ratio Lower Upper

202 100

101 3.9 4.6 7.0#

100 3.3 3.4 5.2#



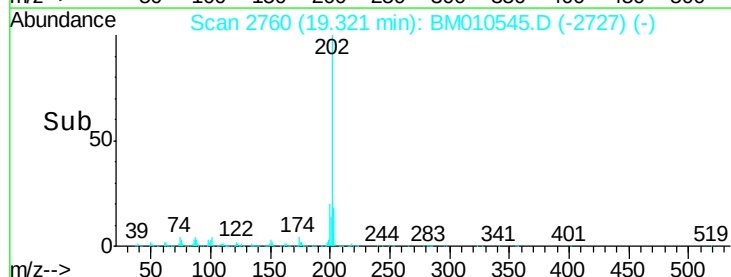
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

19.32

Time-->



Abundance

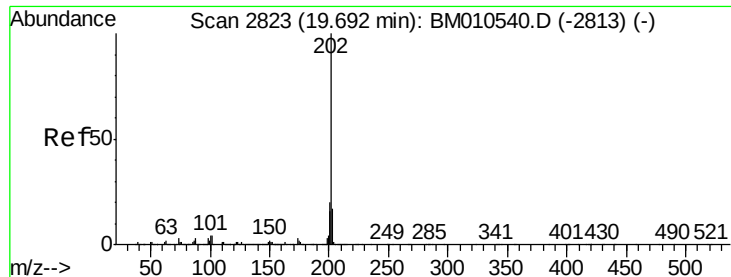
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

19.32

Time-->



#77

Pyrene

Concen: 8.29 ng/ul

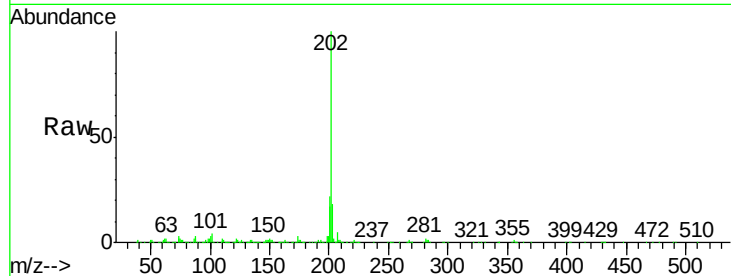
RT: 19.69 min Scan# 2823

Delta R.T. 0.00 min

Lab File: BM010545.D

Acq: 12 Jun 2017 21:09

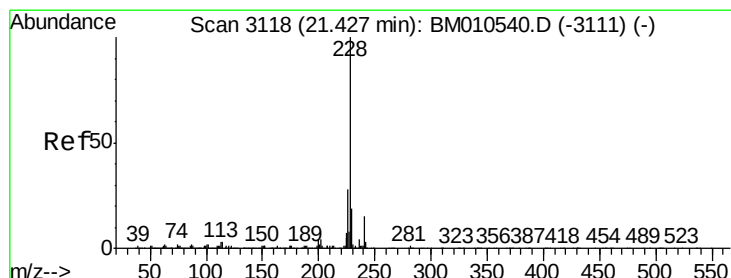
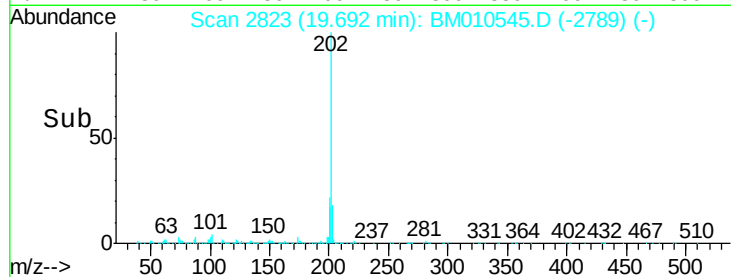
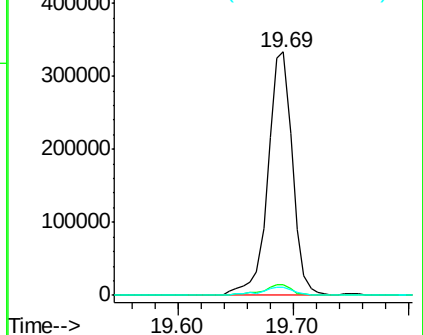
Tgt Ion:	202	Resp:	491964
Ion Ratio	Lower	Upper	
202	100		
101	4.4	5.1	7.7#
100	3.3	4.9	7.3#



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



#80

Benzo(a)anthracene

Concen: 2.22 ng/ul

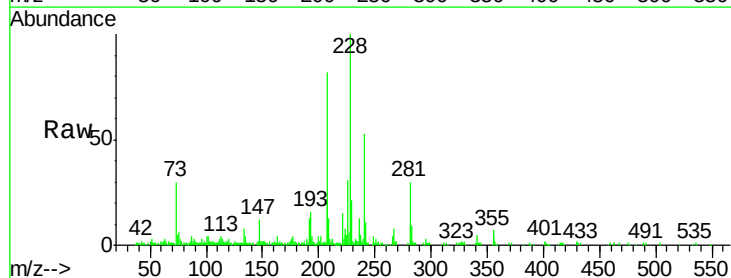
RT: 21.42 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BM010545.D

Acq: 12 Jun 2017 21:09

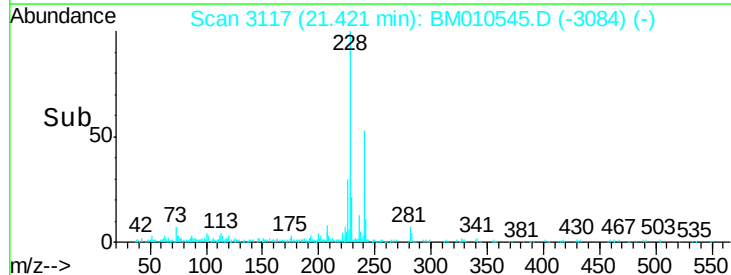
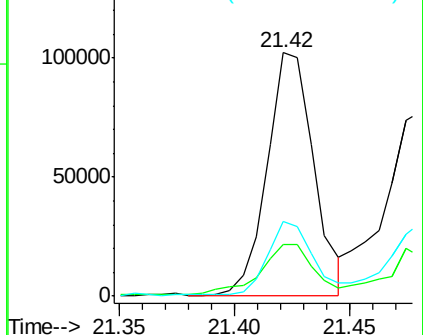
Tgt Ion:	228	Resp:	144096
Ion Ratio	Lower	Upper	
228	100		
229	21.3	15.4	23.0
226	30.7	21.4	32.0

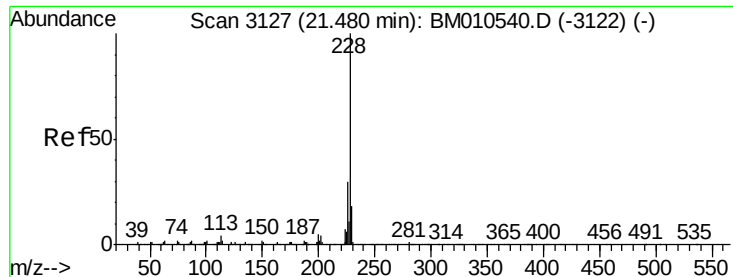


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

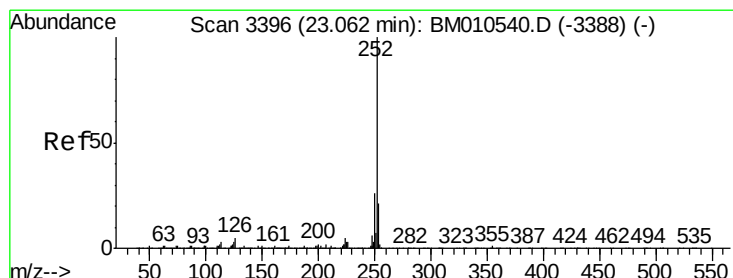
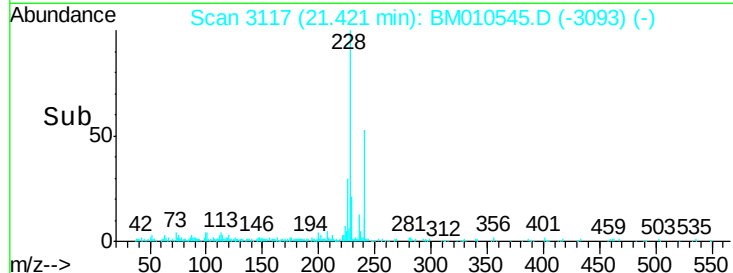
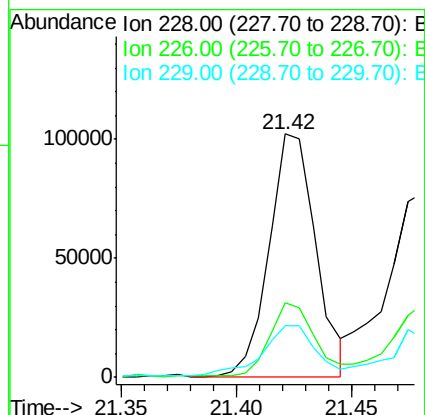
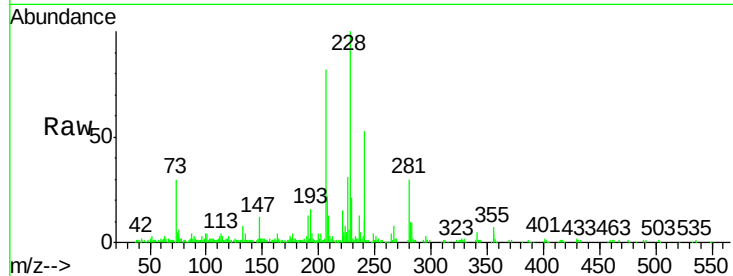
Ion 226.00 (225.70 to 226.70): E





#82
Chrysene
Concen: 2.45 ng/ul
RT: 21.42 min Scan# 3117
Delta R.T. -0.06 min
Lab File: BM010545.D
Acq: 12 Jun 2017 21:09

Tgt Ion: 228 Resp: 144096
Ion Ratio Lower Upper
228 100
226 30.7 23.4 35.2
229 21.3 15.5 23.3



#85
Benzo(b)fluoranthene
Concen: 1.15 ng/ul
RT: 23.06 min Scan# 3395
Delta R.T. -0.01 min
Lab File: BM010545.D
Acq: 12 Jun 2017 21:09

Tgt Ion: 252 Resp: 72810
Ion Ratio Lower Upper
252 100
253 25.2 17.9 26.9
125 6.4 3.6 5.4#

