

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042816\
 Data File : BM005129.D
 Acq On : 29 Apr 2016 00:29
 Operator : UM/SJ
 Sample : H2639-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC7J6

Quant Time: Apr 29 05:22:00 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 29 02:20:37 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	39268	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	185226	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	119879	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	283743	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	314776	20.00	ng/ul	-0.01
83) Perylene-d12	23.64	264	263018	20.00	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.29	96	4967	6.43	ng/uL	0.00
5) Phenol-d5	6.96	99	113682	35.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.12	67	66836	36.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.32	132	90392	35.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	97854	35.53	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	46001	35.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	53845	37.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	95875	35.26	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	205318	64.43	ng/ul	0.00
43) Dimethylphthalate-d6	13.84	166	328268	34.67	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	391083	34.69	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	53969	32.61	ng/ul	0.00
57) Fluorene-d10	15.42	176	284267	34.17	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	44704	27.70	ng/ul	0.00
70) Anthracene-d10	17.27	188	451664	35.50	ng/ul	0.00
76) Pyrene-d10	19.57	212	517387	36.10	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.50	264	435803	36.98	ng/ul	-0.01

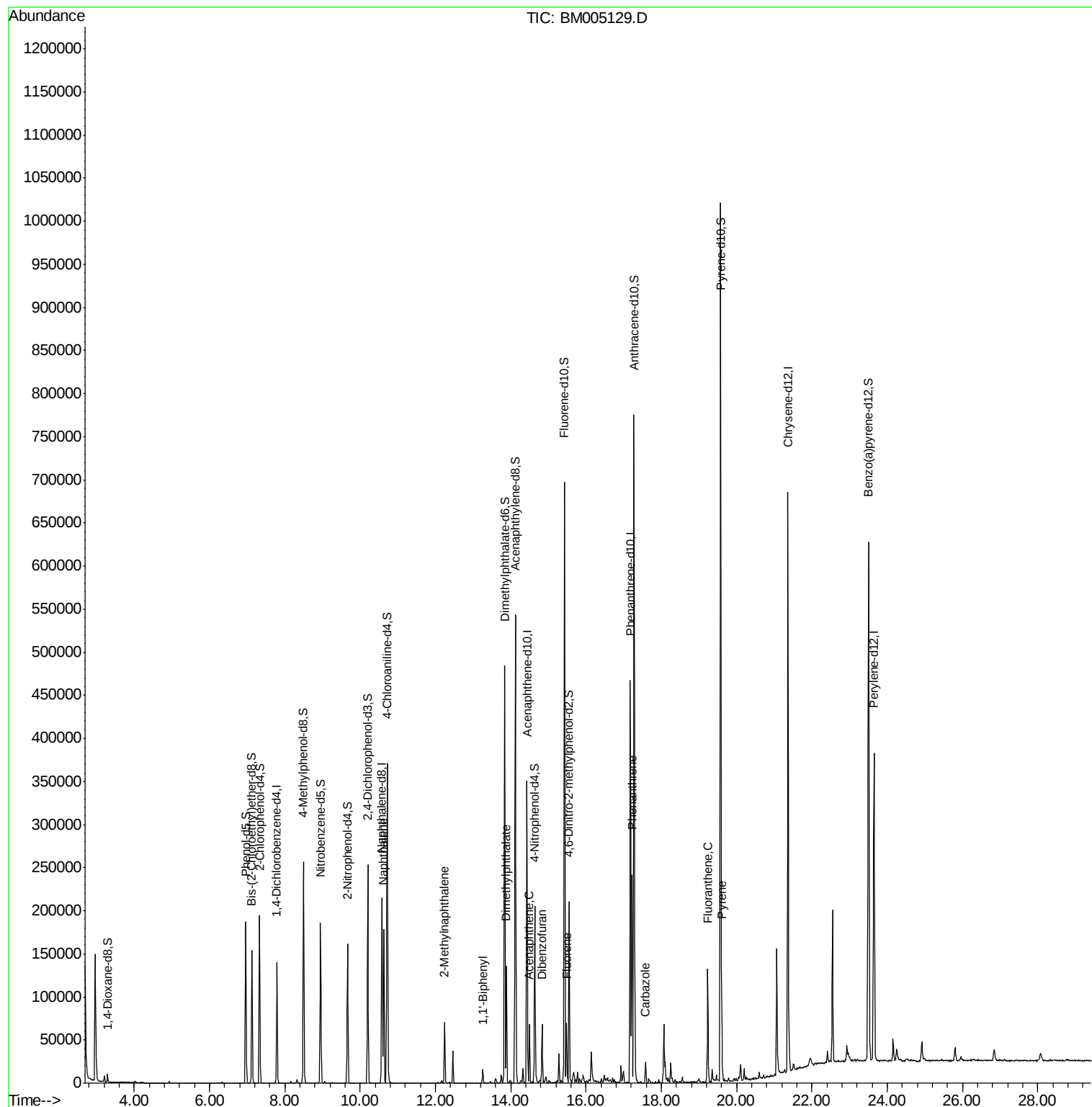
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
28) Naphthalene	10.63	128	148437	15.89	ng/ul	100
34) 2-Methylnaphthalene	12.24	142	36116	5.22	ng/ul	98
40) 1,1'-Biphenyl	13.26	154	9991	1.05	ng/ul	98
44) Dimethylphthalate	13.88	163	86839	9.15	ng/ul	100
49) Acenaphthene	14.49	153	28342	3.61	ng/ul	98
53) Dibenzofuran	14.83	168	43228	3.73	ng/ul	99
58) Fluorene	15.48	166	32667	3.64	ng/ul	99
69) Phenanthrene	17.22	178	144426	9.56	ng/ul	99
72) Carbazole	17.58	167	18996	1.46	ng/ul	99
74) Fluoranthene	19.23	202	77464	4.66	ng/ul	99
77) Pyrene	19.60	202	55618	3.06	ng/ul	99

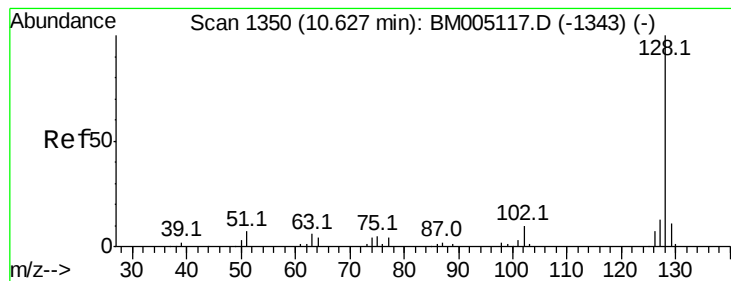
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 15.89 ng/ul

RT: 10.63 min Scan# 1350

Delta R.T. -0.00 min

Lab File: BM005129.D

Acq: 29 Apr 2016 00:29

Instrument :

BNA_M

ClientSampleId :

BC7J6

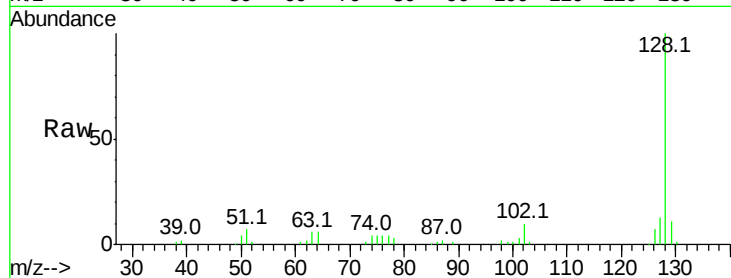
Tot Ion:128 Resp: 148437

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

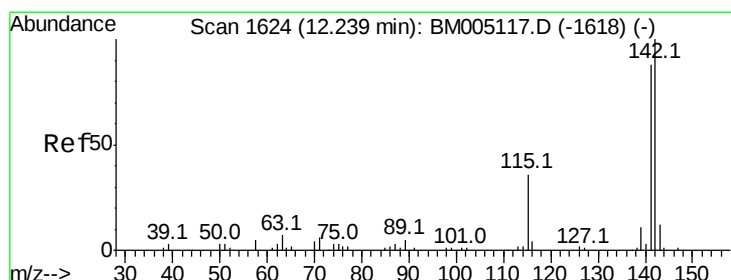
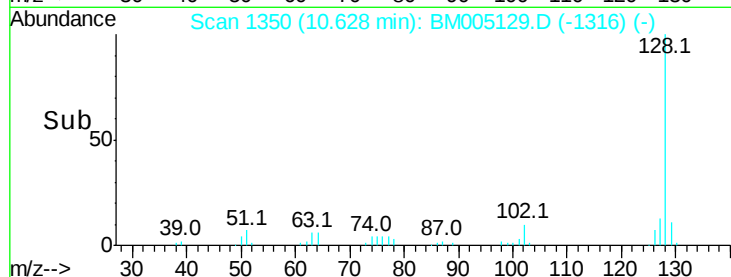
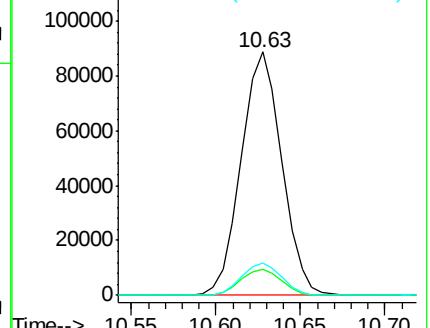
127 13.1 10.6 15.8



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: 5.22 ng/ul

RT: 12.24 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BM005129.D

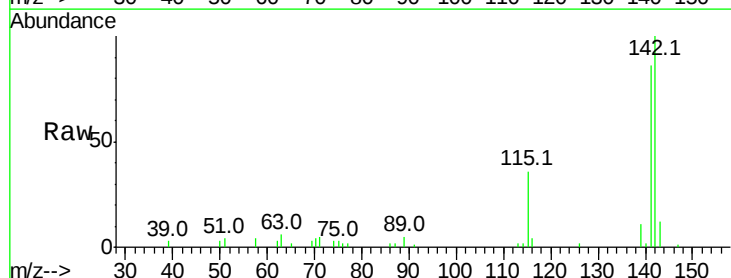
Acq: 29 Apr 2016 00:29

Tgt Ion:142 Resp: 36116

Ion Ratio Lower Upper

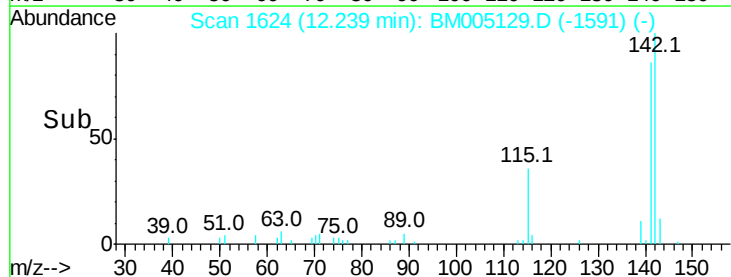
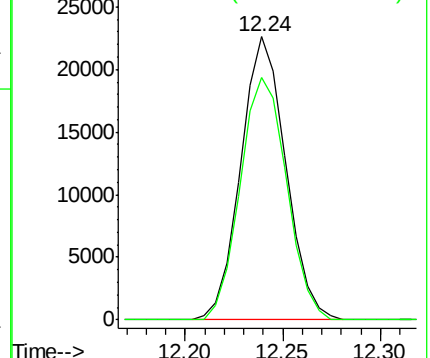
142 100

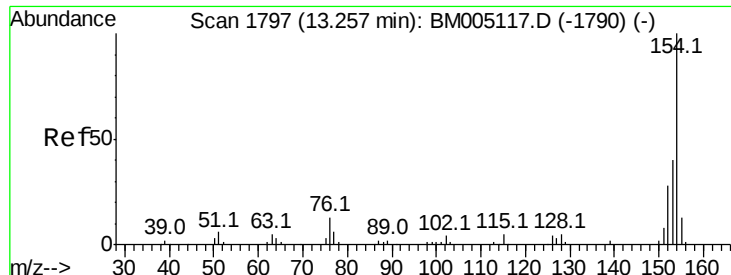
141 85.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

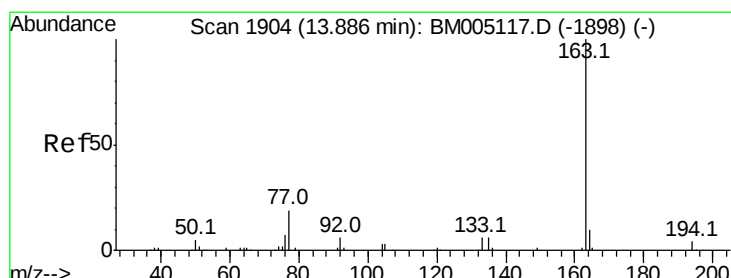
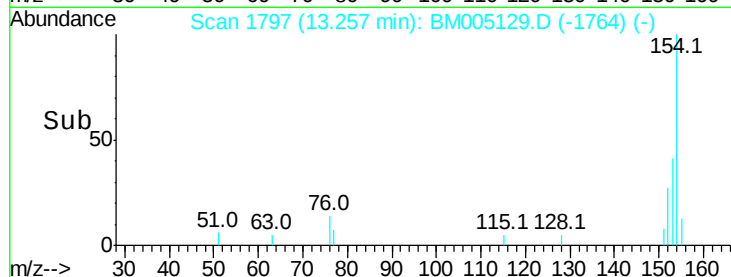
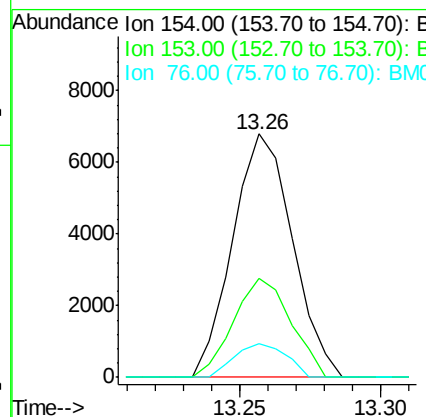
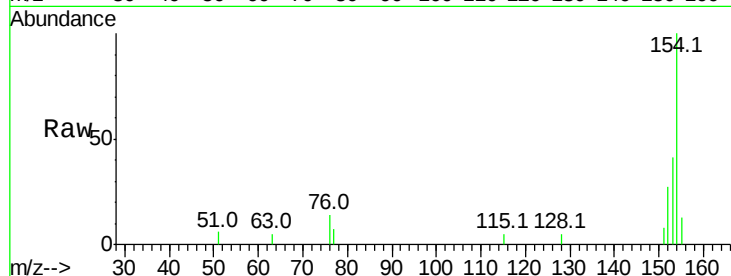




#40
 1,1'-Biphenyl
 Concen: 1.05 ng/ul
 RT: 13.26 min Scan# 1797
 Delta R.T. -0.01 min
 Lab File: BM005129.D
 Acq: 29 Apr 2016 00:29

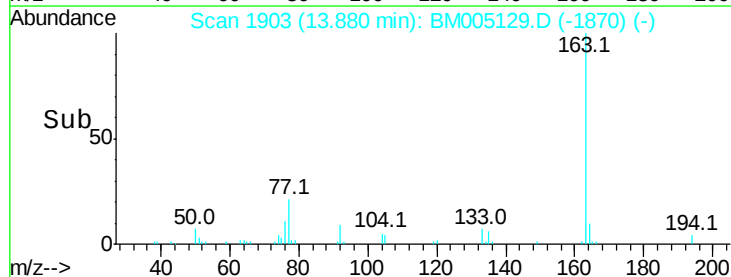
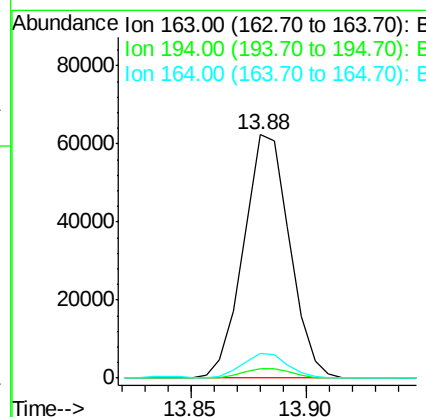
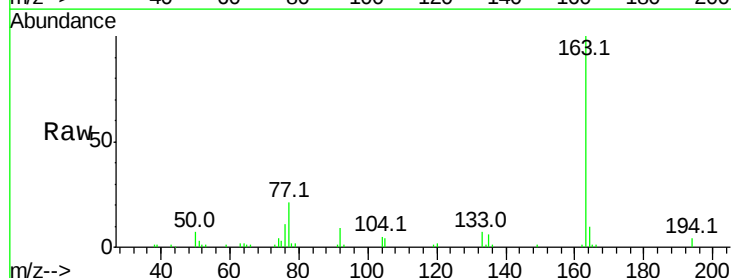
Instrument :
 BNA_M
 ClientSampleId :
 BC7J6

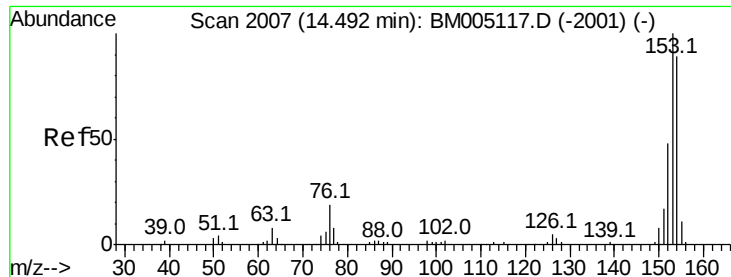
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.6	31.5	47.3
76	13.7	10.1	15.1



#44
 Dimethylphthalate
 Concen: 9.15 ng/ul
 RT: 13.88 min Scan# 1903
 Delta R.T. -0.01 min
 Lab File: BM005129.D
 Acq: 29 Apr 2016 00:29

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.0	8.2	12.2





#49

Acenaphthene

Concen: 3.61 ng/ul

RT: 14.49 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BM005129.D

Acq: 29 Apr 2016 00:29

Instrument :

BNA_M

ClientSampleId :

BC7J6

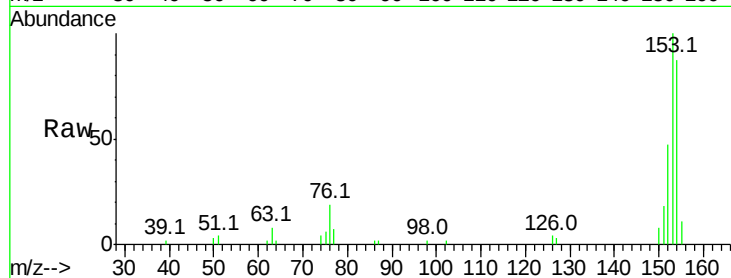
Tot Ion:153 Resp: 28342

Ion Ratio Lower Upper

153 100

152 47.2 37.7 56.5

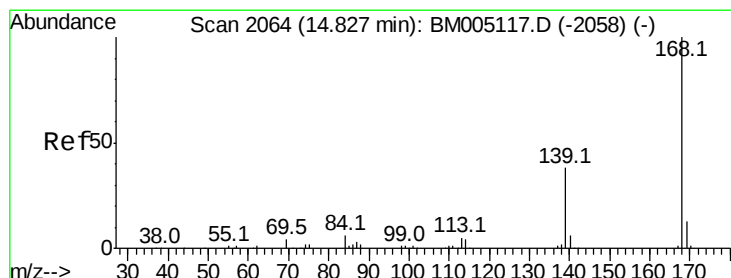
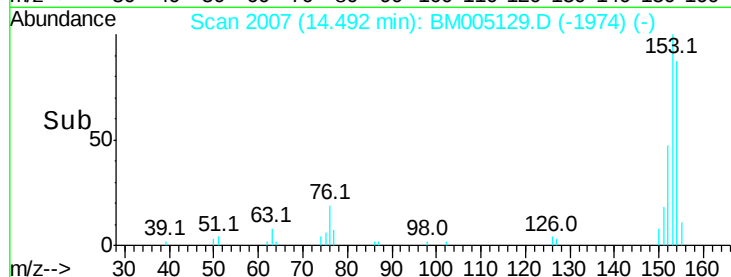
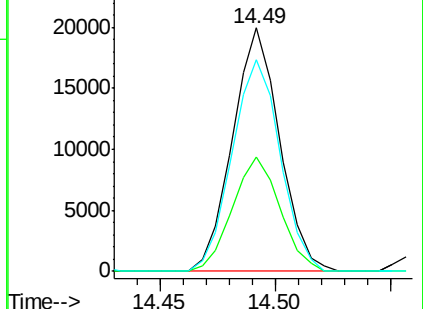
154 87.1 71.4 107.2



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: 3.73 ng/ul

RT: 14.83 min Scan# 2064

Delta R.T. -0.01 min

Lab File: BM005129.D

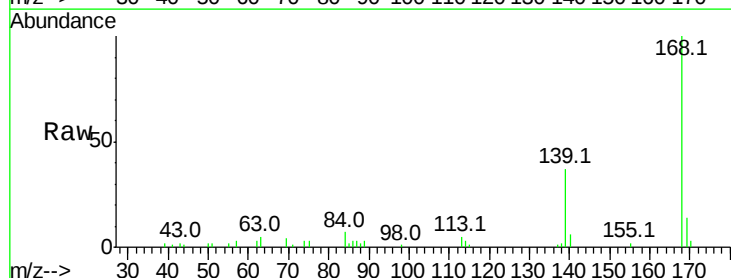
Acq: 29 Apr 2016 00:29

Tgt Ion:168 Resp: 43228

Ion Ratio Lower Upper

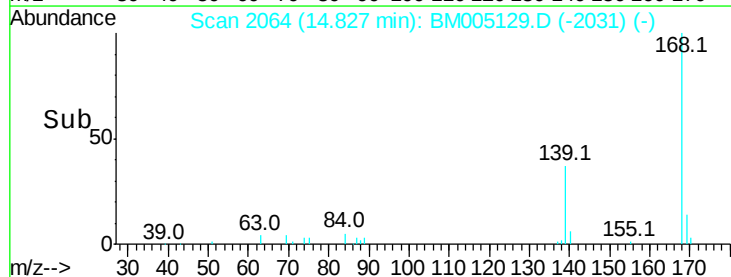
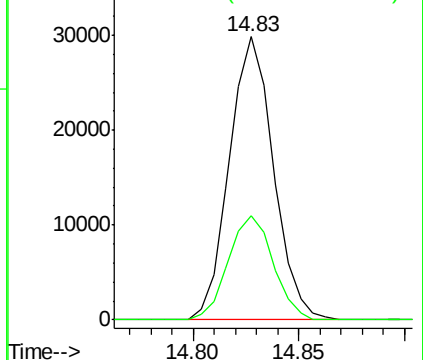
168 100

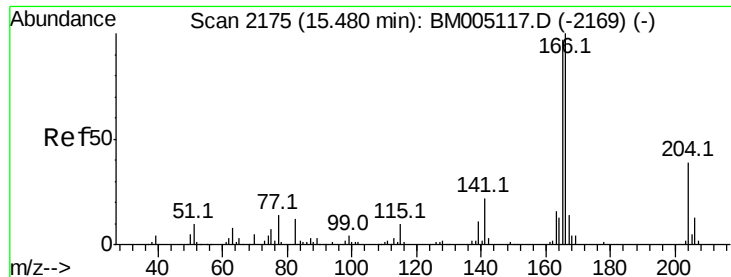
139 37.0 29.9 44.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 3.64 ng/ul

RT: 15.48 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BM005129.D

Acq: 29 Apr 2016 00:29

Instrument :

BNA_M

ClientSampleId :

BC7J6

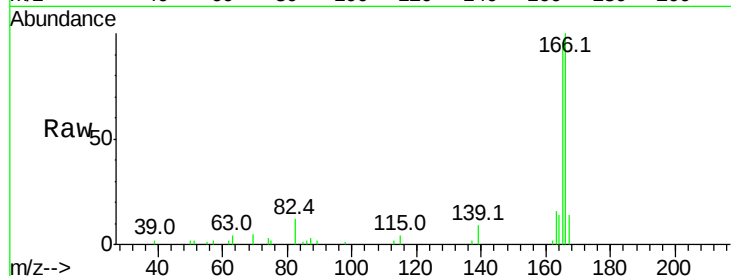
Tot Ion:166 Resp: 32667

Ion Ratio Lower Upper

166 100

165 96.1 77.7 116.5

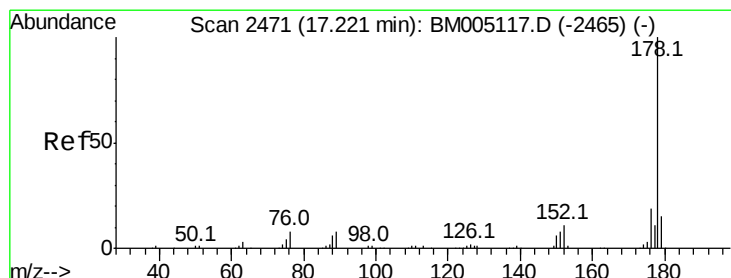
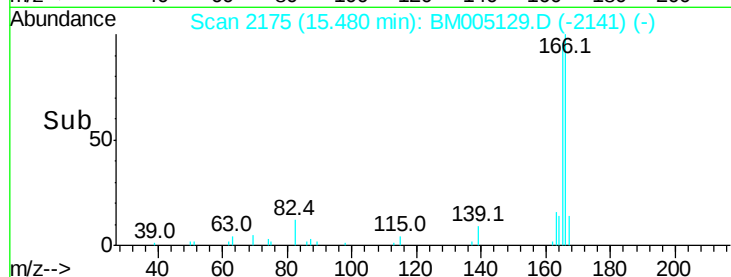
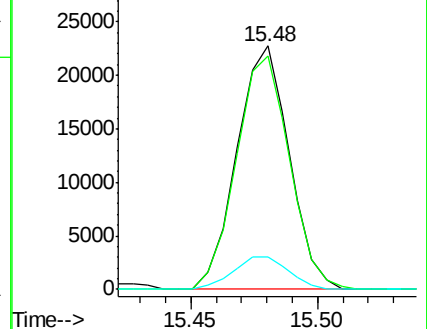
167 13.6 10.9 16.3



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: 9.56 ng/ul

RT: 17.22 min Scan# 2470

Delta R.T. -0.01 min

Lab File: BM005129.D

Acq: 29 Apr 2016 00:29

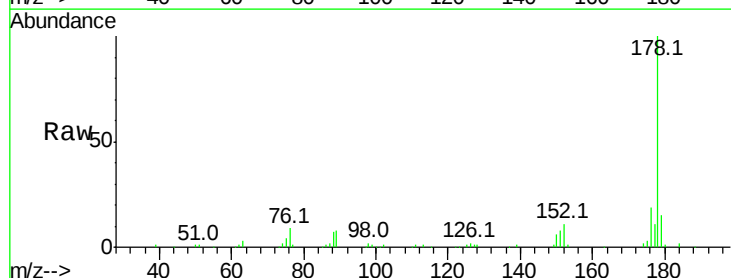
Tgt Ion:178 Resp: 144426

Ion Ratio Lower Upper

178 100

179 15.4 11.8 17.8

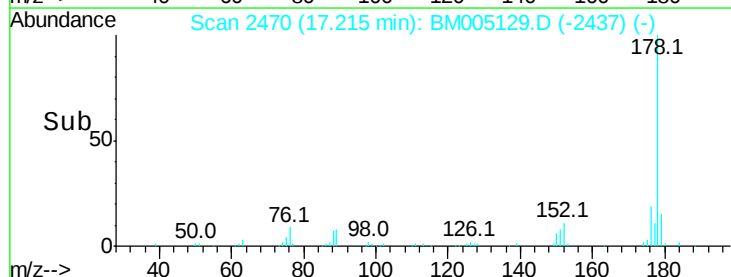
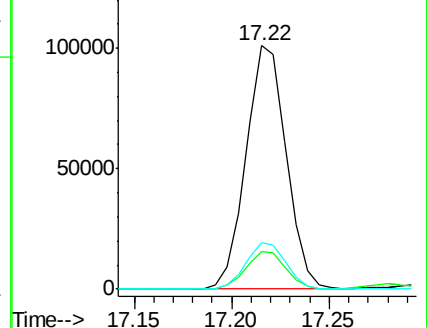
176 19.0 15.2 22.8

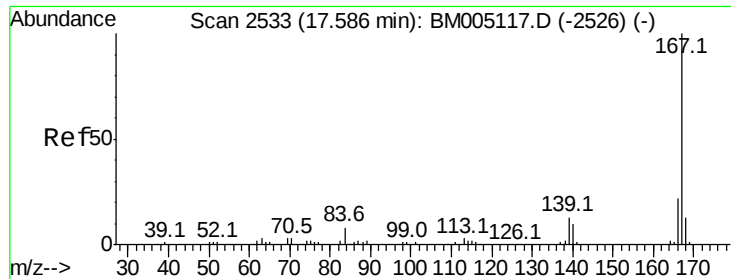


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.46 ng/ul

RT: 17.58 min Scan# 2532

Delta R.T. -0.01 min

Lab File: BM005129.D

Acq: 29 Apr 2016 00:29

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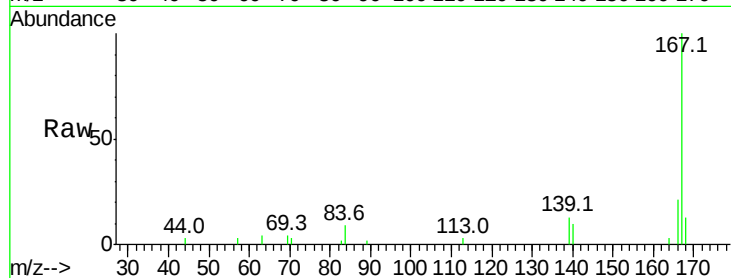
Tot Ion:167 Resp: 18996

Ion Ratio Lower Upper

167 100

166 21.3 16.6 25.0

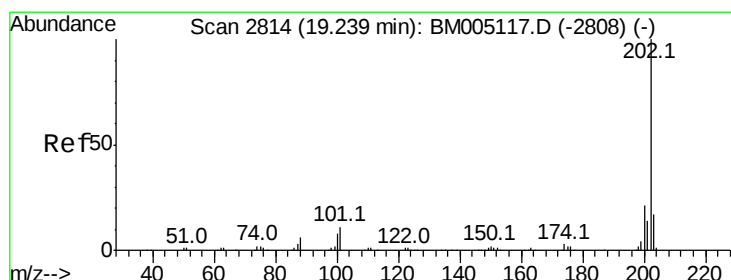
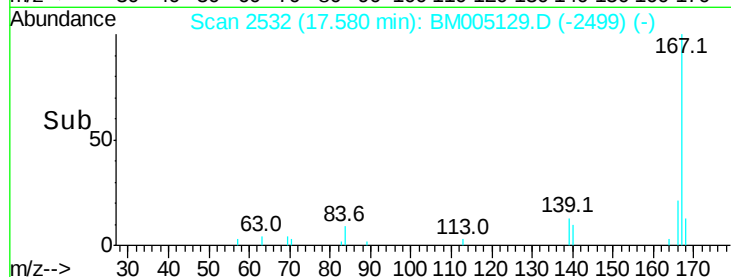
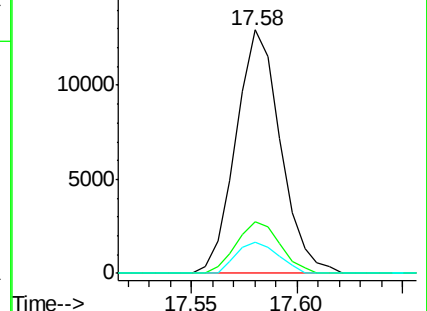
139 13.0 10.2 15.4



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



#74

Fluoranthene

Concen: 4.66 ng/ul

RT: 19.23 min Scan# 2813

Delta R.T. -0.01 min

Lab File: BM005129.D

Acq: 29 Apr 2016 00:29

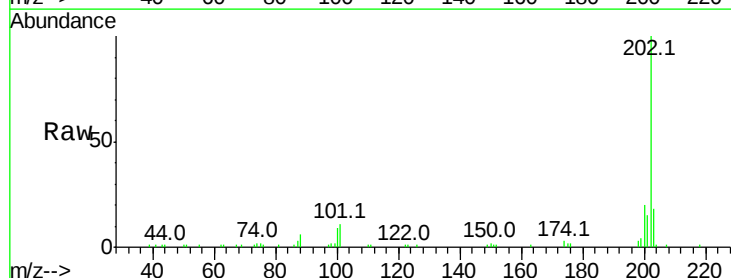
Tgt Ion:202 Resp: 77464

Ion Ratio Lower Upper

202 100

101 11.1 9.0 13.4

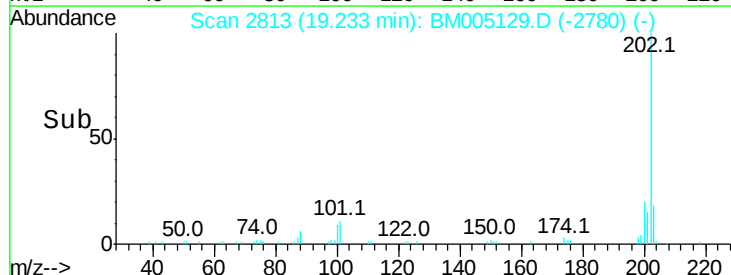
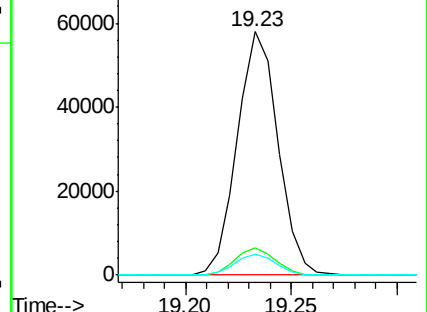
100 8.6 6.6 10.0

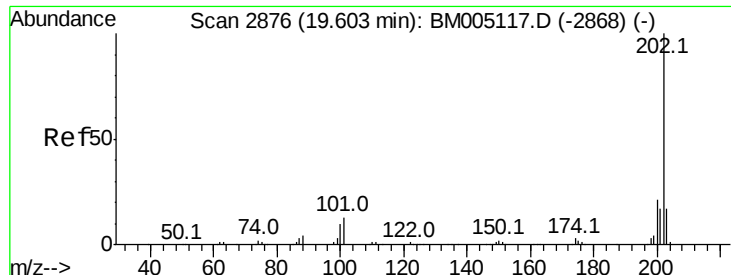


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 3.06 ng/ul

RT: 19.60 min Scan# 2875

Delta R.T. -0.01 min

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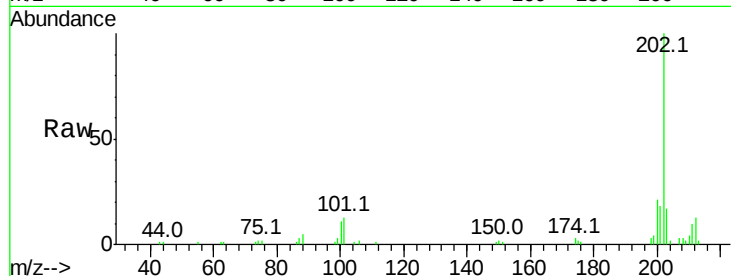
Tot Ion:202 Resp: 55618

Ion Ratio Lower Upper

202 100

101 13.0 10.5 15.7

100 11.0 8.2 12.2



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): B

