

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061116\
 Data File : BM005729.D
 Acq On : 11 Jun 2016 16:31
 Operator : UM/SJ
 Sample : H3411-10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XQ8

Quant Time: Jun 11 23:26:19 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 11 23:08:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	87750	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	494880	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	318177	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	717129	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	659798	20.00	ng/ul	0.00
34) Perylene-d12	23.57	264	546085	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	2445	1.21	ng/uL	0.00
3) Phenol-d5	6.93	99	100979	13.33	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	71503	15.72	ng/ul	0.00
5) 2-Chlorophenol-d4	7.28	132	92013	15.03	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	68360	10.69	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	47298	13.26	ng/ul	0.00
9) 2-Nitrophenol-d4	9.63	143	52919	13.12	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	97563	13.34	ng/ul	0.00
12) 4-Chloroaniline-d4	10.68	131	71783	8.13	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	376170	14.33	ng/ul	0.00
17) Acenaphthylene-d8	14.08	160	488001	15.20	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	30730	8.00	ng/ul	0.01
21) Fluorene-d10	15.38	176	336509	15.14	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.52	200	36489	9.84	ng/ul	0.00
26) Anthracene-d10	17.23	188	496871	14.71	ng/ul	0.00
30) Pyrene-d10	19.53	212	551316	17.39	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	381643	15.32	ng/ul	0.00

Target Compounds

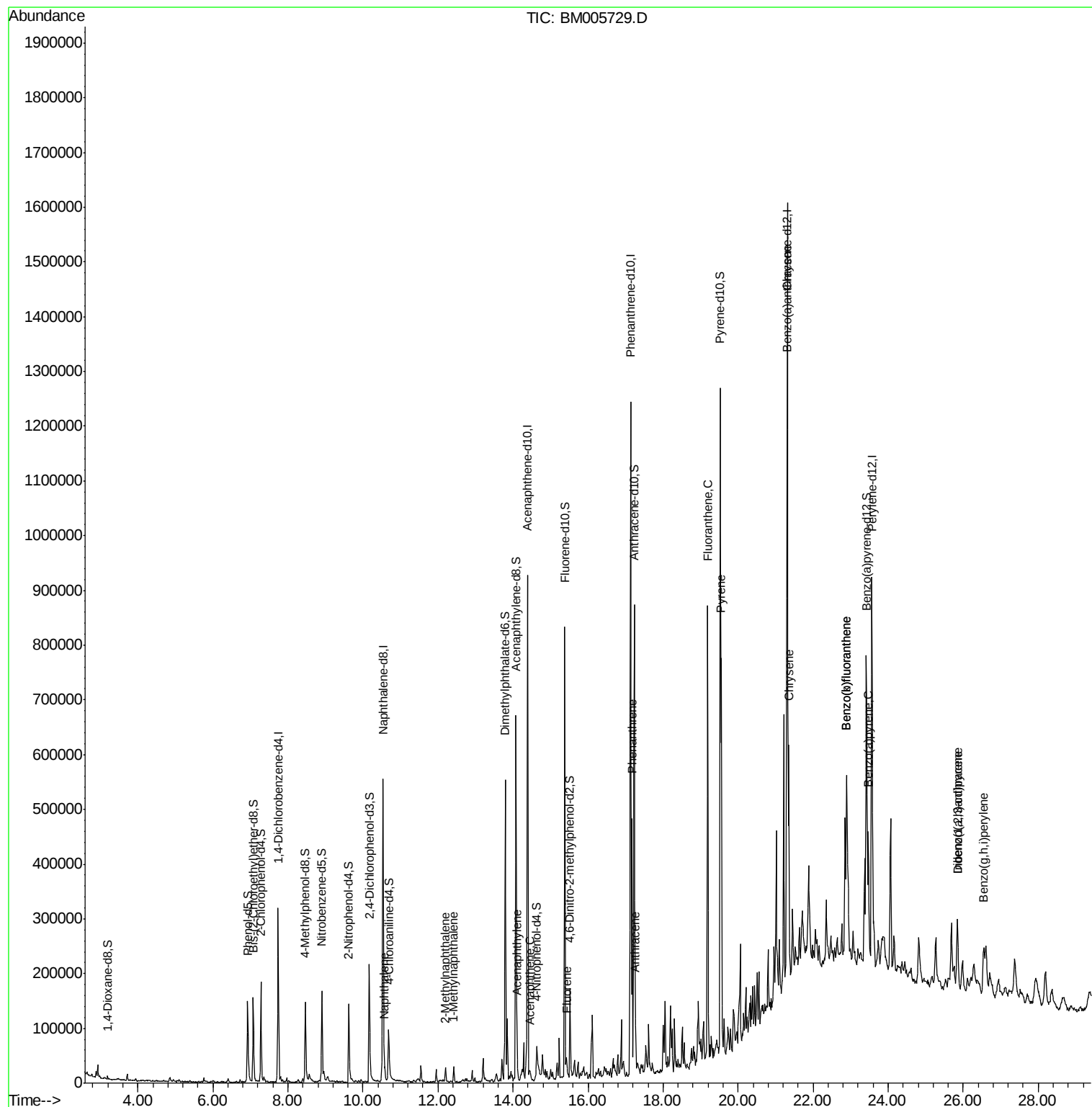
						Qvalue
11) Naphthalene	10.58	128	20798	0.84	ng/ul	98
13) 2-Methylnaphthalene	12.20	142	16712	0.90	ng/ul	99
14) 1-Methylnaphthalene	12.42	142	14806	0.80	ng/ul	96
18) Acenaphthylene	14.11	152	20647	0.63	ng/ul#	95
19) Acenaphthene	14.45	153	6614	0.31	ng/ul	95
22) Fluorene	15.44	166	10392	0.43	ng/ul#	95
25) Phenanthrene	17.17	178	268700	6.85	ng/ul	99
27) Anthracene	17.26	178	51246	1.29	ng/ul	98
28) Fluoranthene	19.19	202	490816	10.65	ng/ul	99
31) Pyrene	19.56	202	440307	10.97	ng/ul	99
32) Benzo(a)anthracene	21.30	228	223264	5.86	ng/ul	99
33) Chrysene	21.35	228	256013	6.81	ng/ul	97
35) Benzo(b)fluoranthene	22.89	252	269082	8.29	ng/ul	97
36) Benzo(k)fluoranthene	22.89	252	269082	8.21	ng/ul#	96
38) Benzo(a)pyrene	23.47	252	168628	5.47	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.85	276	110454	3.67	ng/ul	93
40) Dibenzo(a,h)anthracene	25.85	278	29599	1.18	ng/ul#	87
41) Benzo(g,h,i)perylene	26.55	276	100756	4.01	ng/ul	97

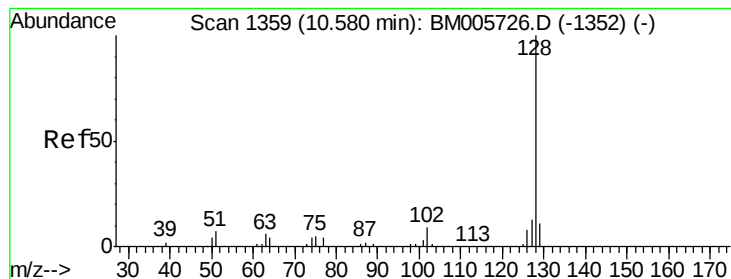
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

Naphthalene

Concen: 0.84 ng/ul

RT: 10.58 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BM005729.D

Acq: 11 Jun 2016 16:31

Instrument :

BNA_M

ClientSampleId :

D9XQ8

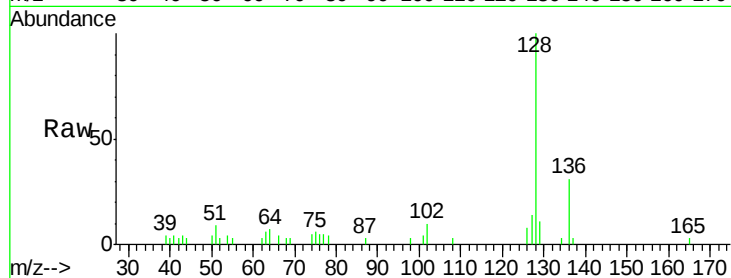
Tgt Ion:128 Resp: 20798

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

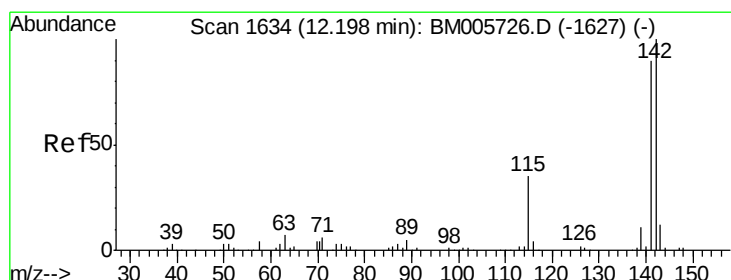
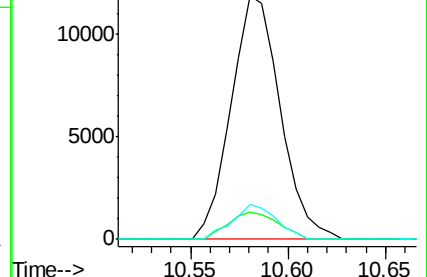
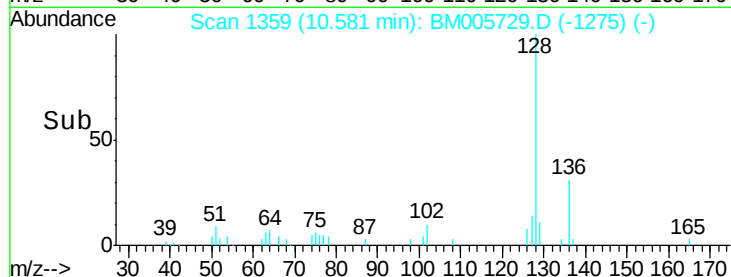
127 14.3 10.3 15.5



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



#13

2-Methylnaphthalene

Concen: 0.90 ng/ul

RT: 12.20 min Scan# 1634

Delta R.T. -0.01 min

Lab File: BM005729.D

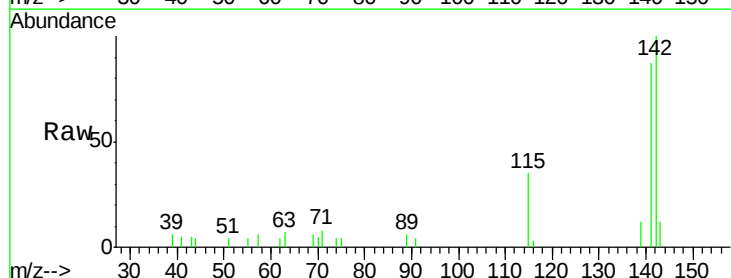
Acq: 11 Jun 2016 16:31

Tgt Ion:142 Resp: 16712

Ion Ratio Lower Upper

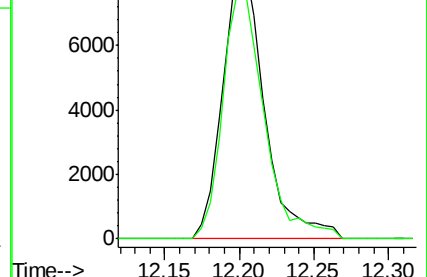
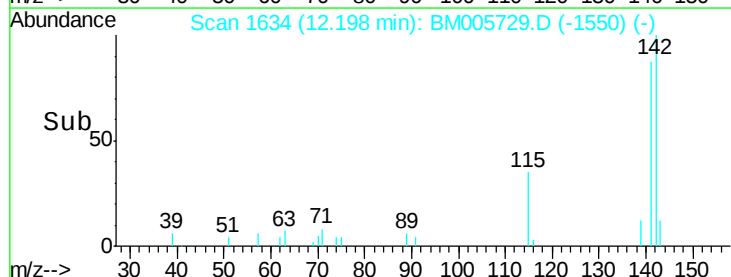
142 100

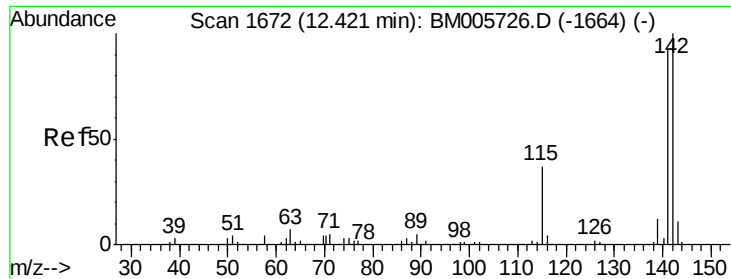
141 87.1 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

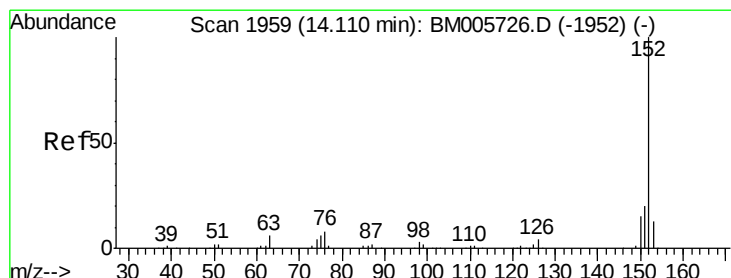
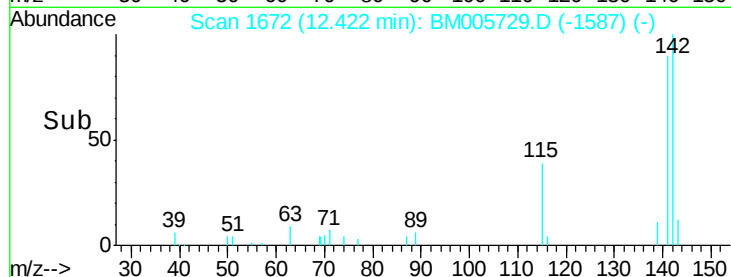
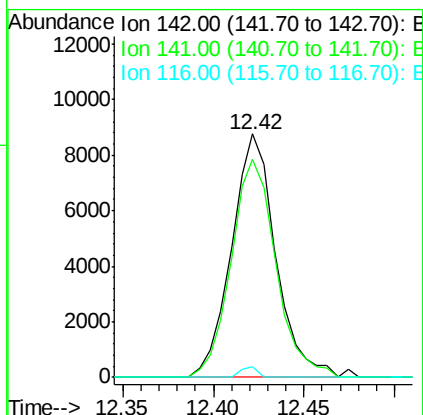
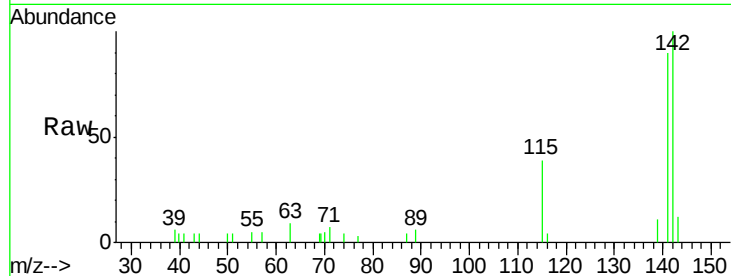




#14
1-Methylnaphthalene
Concen: 0.80 ng/ul
RT: 12.42 min Scan# 1672
Delta R.T. -0.00 min
Lab File: BM005729.D
Acq: 11 Jun 2016 16:31

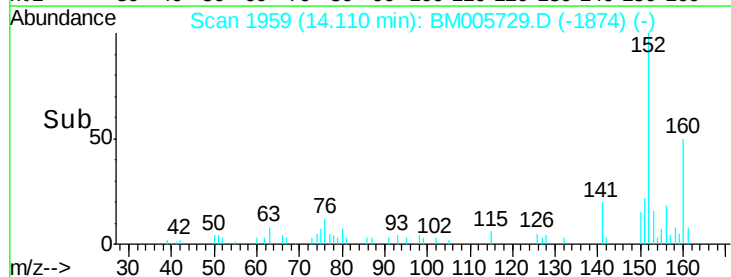
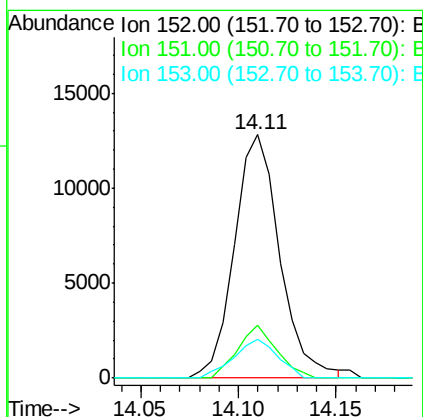
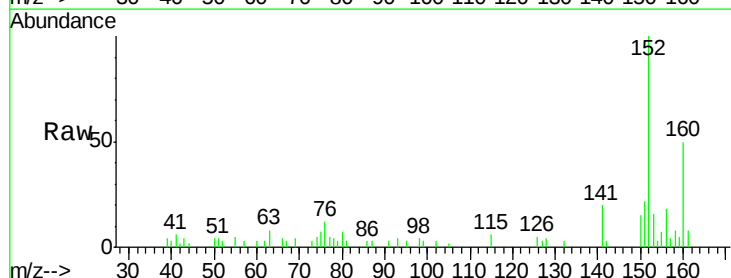
Instrument :
BNA_M
ClientSampleId :
D9XQ8

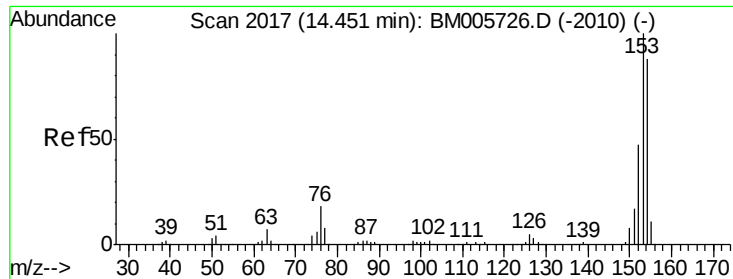
Tgt Ion:142 Resp: 14806
Ion Ratio Lower Upper
142 100
141 89.6 74.6 111.8
116 4.3 3.0 4.6



#18
Acenaphthylene
Concen: 0.63 ng/ul
RT: 14.11 min Scan# 1959
Delta R.T. -0.00 min
Lab File: BM005729.D
Acq: 11 Jun 2016 16:31

Tgt Ion:152 Resp: 20647
Ion Ratio Lower Upper
152 100
151 21.5 16.3 24.5
153 16.2 10.4 15.6#





#19

Acenaphthene

Concen: 0.31 ng/u1

RT: 14.45 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BM005729.D

Acq: 11 Jun 2016 16:31

Instrument :

BNA_M

ClientSampleId :

D9XQ8

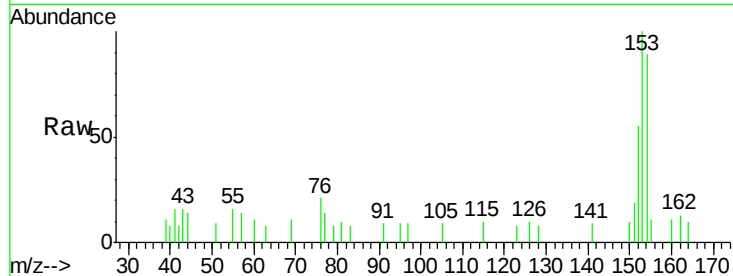
Tgt Ion:153 Resp: 6614

Ion Ratio Lower Upper

153 100

152 54.9 38.8 58.2

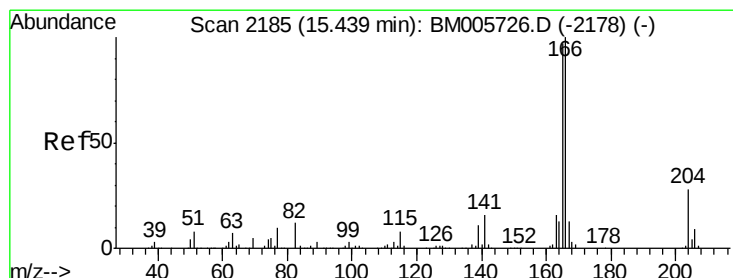
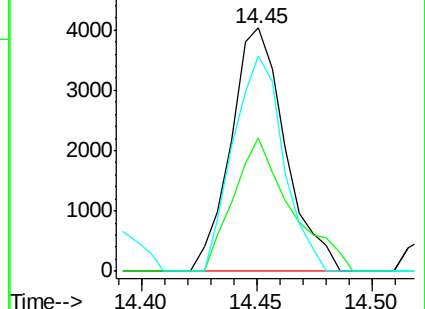
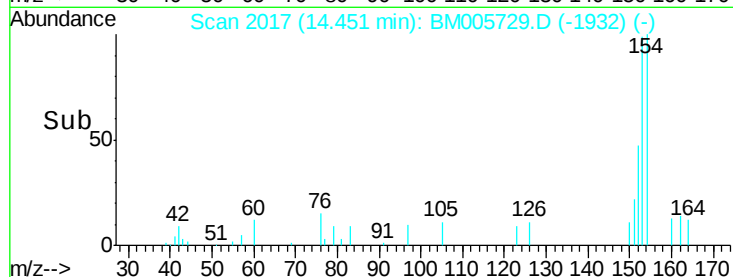
154 88.6 72.5 108.7



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



#22

Fluorene

Concen: 0.43 ng/u1

RT: 15.44 min Scan# 2185

Delta R.T. -0.00 min

Lab File: BM005729.D

Acq: 11 Jun 2016 16:31

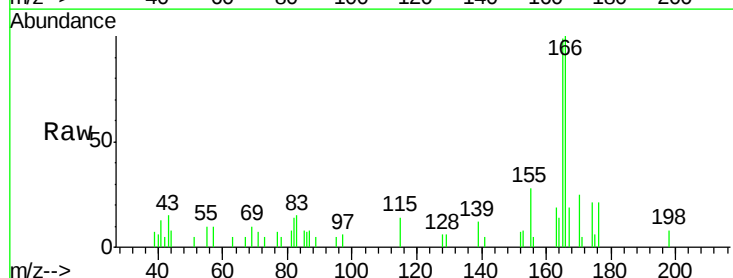
Tgt Ion:166 Resp: 10392

Ion Ratio Lower Upper

166 100

165 99.2 76.4 114.6

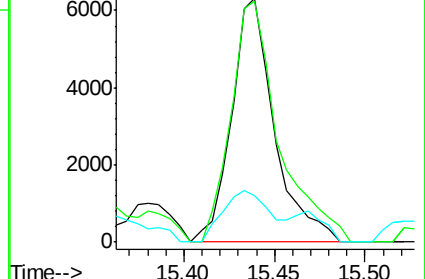
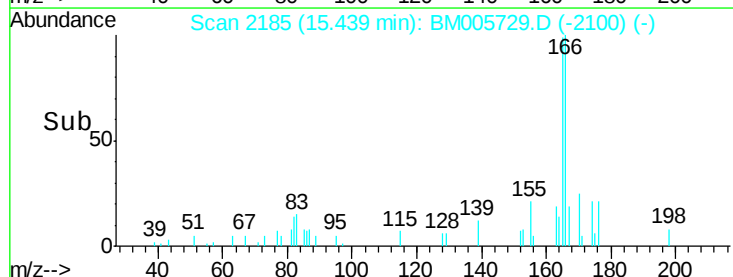
167 19.0 10.6 16.0#

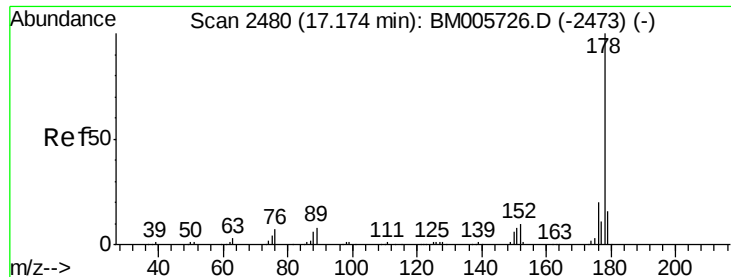


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 6.85 ng/ul

RT: 17.17 min Scan# 2480

Delta R.T. -0.00 min

Lab File: BM005729.D

Acq: 11 Jun 2016 16:31

Instrument :

BNA_M

ClientSampleId :

D9XQ8

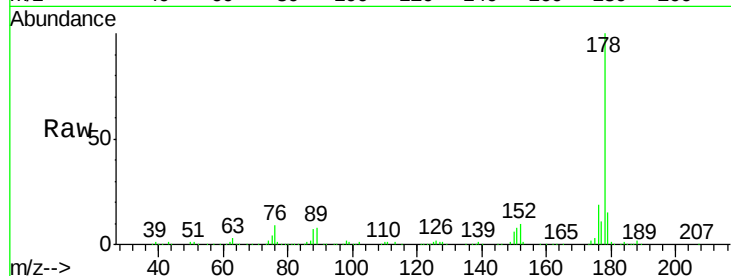
Tgt Ion:178 Resp: 268700

Ion Ratio Lower Upper

178 100

179 15.1 12.4 18.6

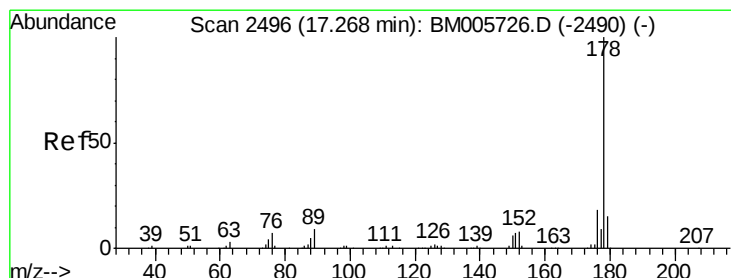
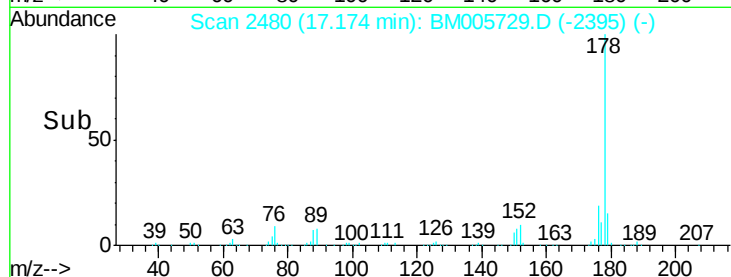
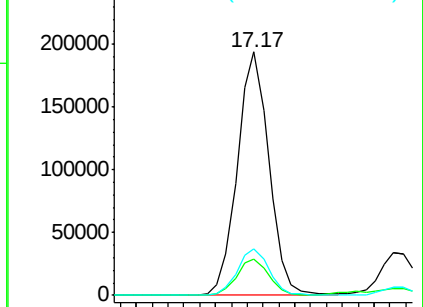
176 19.0 15.8 23.6



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



#27

Anthracene

Concen: 1.29 ng/ul

RT: 17.26 min Scan# 2495

Delta R.T. -0.01 min

Lab File: BM005729.D

Acq: 11 Jun 2016 16:31

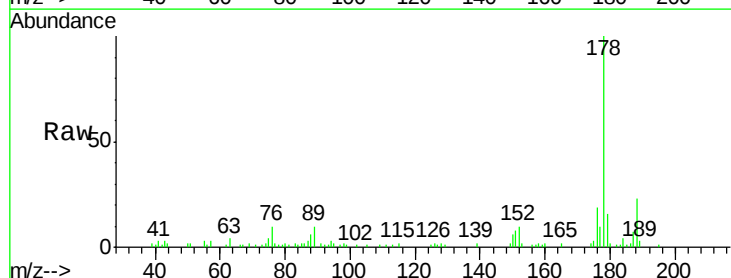
Tgt Ion:178 Resp: 51246

Ion Ratio Lower Upper

178 100

179 16.4 12.1 18.1

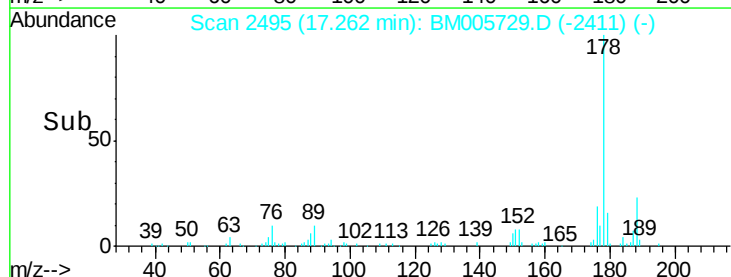
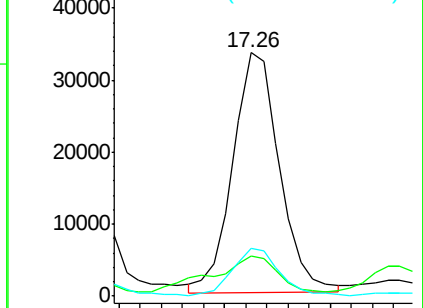
176 19.4 15.0 22.6

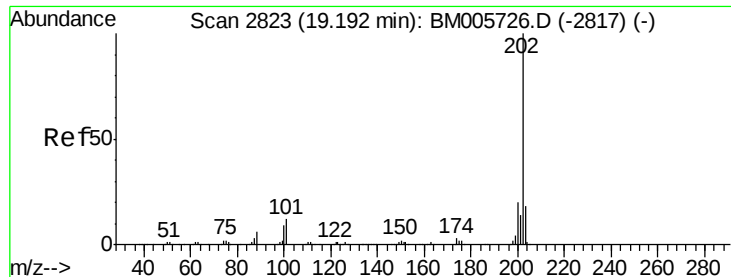


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 10.65 ng/ul

RT: 19.19 min Scan# 2823

Delta R.T. -0.00 min

Lab File: BM005729.D

Acq: 11 Jun 2016 16:31

Instrument :

BNA_M

ClientSampleId :

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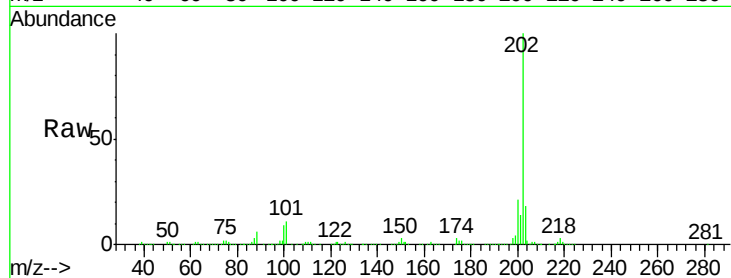
Tgt Ion:202 Resp: 490816

Ion Ratio Lower Upper

202 100

101 11.5 9.4 14.2

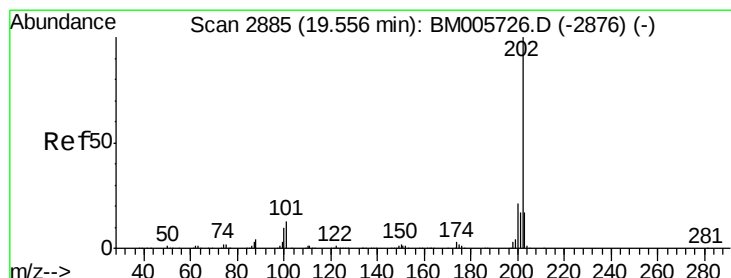
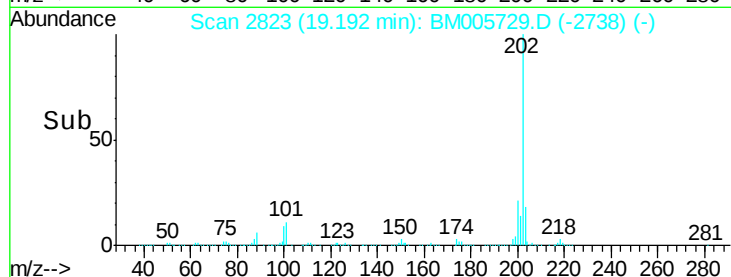
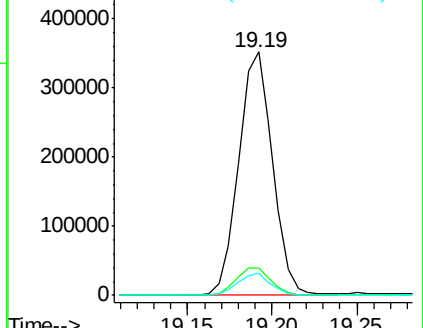
100 8.9 6.9 10.3



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



#31

Pyrene

Concen: 10.97 ng/ul

RT: 19.56 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BM005729.D

Acq: 11 Jun 2016 16:31

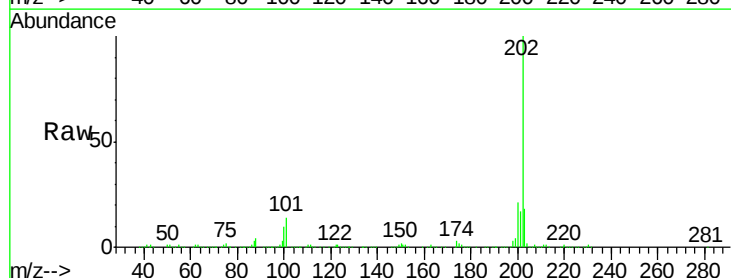
Tgt Ion:202 Resp: 440307

Ion Ratio Lower Upper

202 100

101 13.7 10.6 15.8

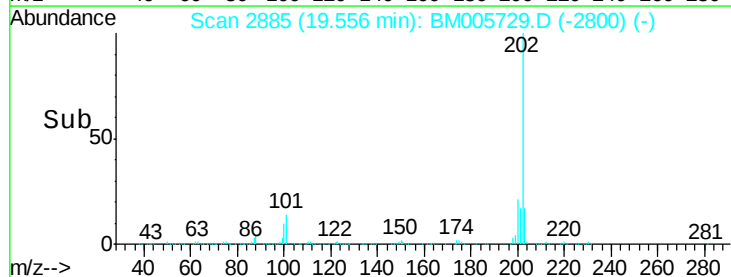
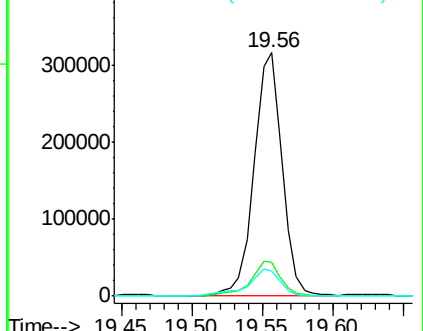
100 10.3 8.4 12.6

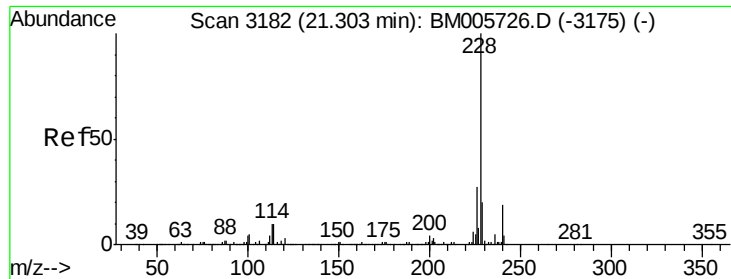


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

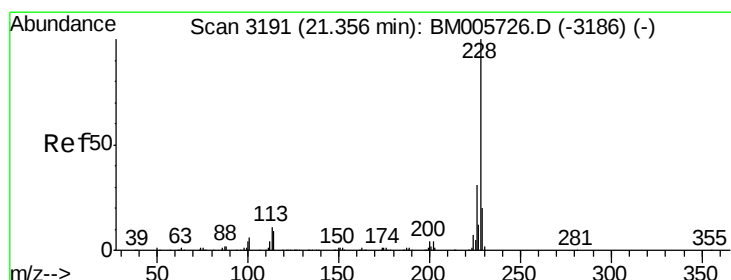
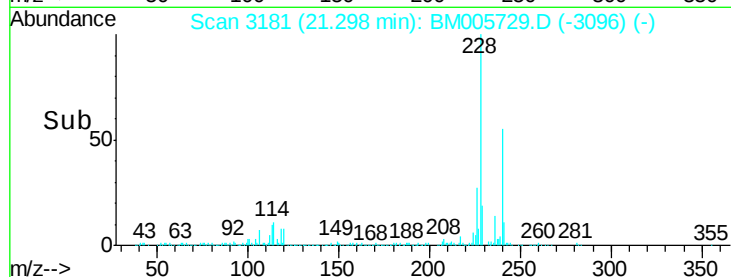
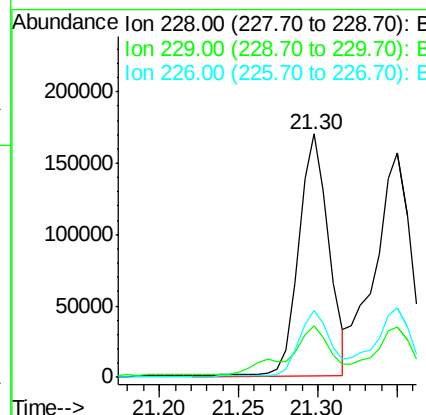
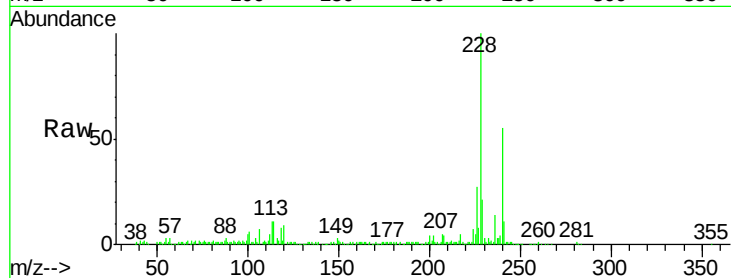




#32
Benzo(a)anthracene
Concen: 5.86 ng/ul
RT: 21.30 min Scan# 3181
Delta R.T. -0.00 min
Lab File: BM005729.D
Acq: 11 Jun 2016 16:31

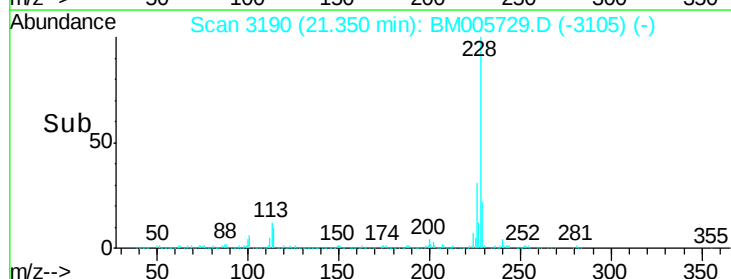
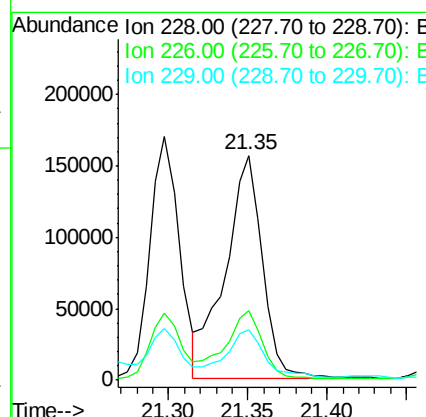
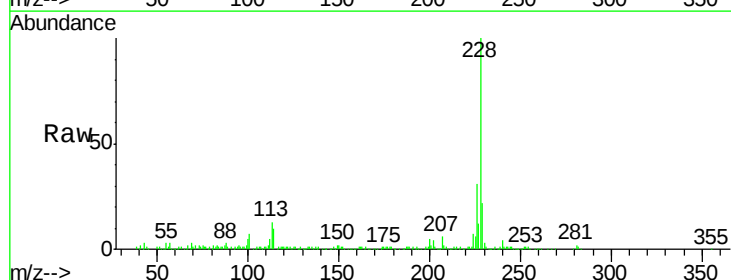
Instrument :
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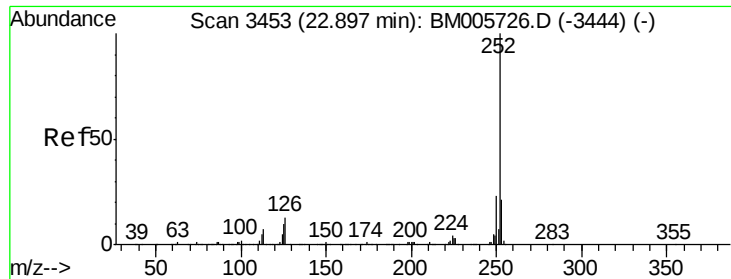
Tgt Ion:228 Resp: 223264
Ion Ratio Lower Upper
228 100
229 21.3 16.1 24.1
226 27.4 22.1 33.1



#33
Chrysene
Concen: 6.81 ng/ul
RT: 21.35 min Scan# 3190
Delta R.T. -0.00 min
Lab File: BM005729.D
Acq: 11 Jun 2016 16:31

Tgt Ion:228 Resp: 256013
Ion Ratio Lower Upper
228 100
226 31.2 24.2 36.2
229 22.1 15.8 23.8





#35

Benzo(b)fluoranthene

Concen: 8.29 ng/ul

RT: 22.89 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM005729.D

Acq: 11 Jun 2016 16:31

Instrument :

BNA_M

ClientSampleId :

D9XQ8

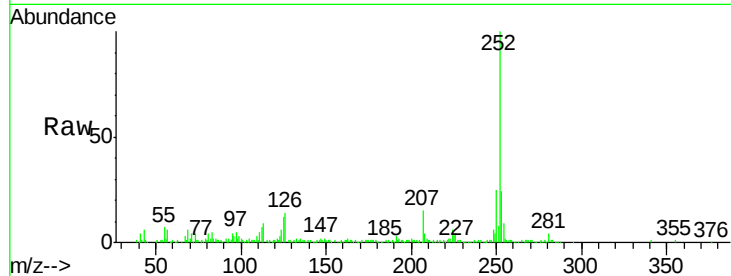
Tgt Ion:252 Resp: 269082

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.2

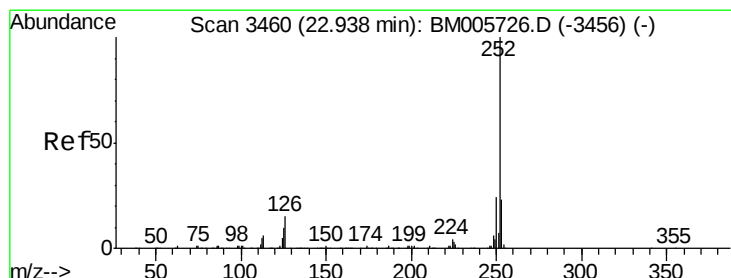
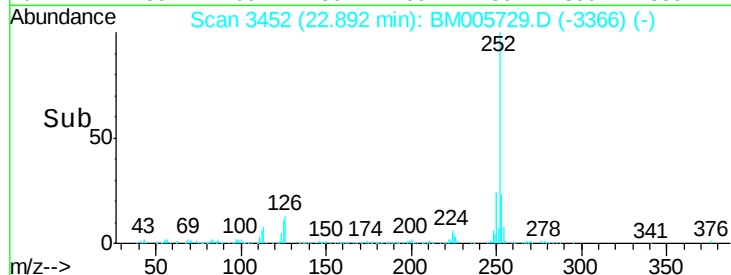
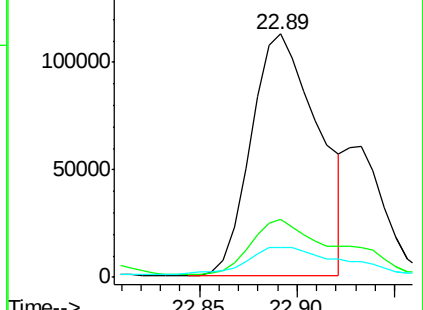
125 12.5 8.4 12.6



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



#36

Benzo(k)fluoranthene

Concen: 8.21 ng/ul

RT: 22.89 min Scan# 3452

Delta R.T. -0.04 min

Lab File: BM005729.D

Acq: 11 Jun 2016 16:31

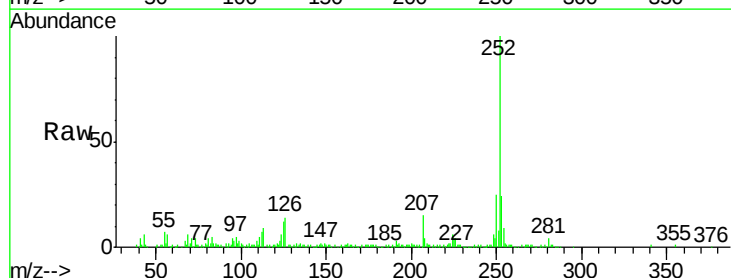
Tgt Ion:252 Resp: 269082

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

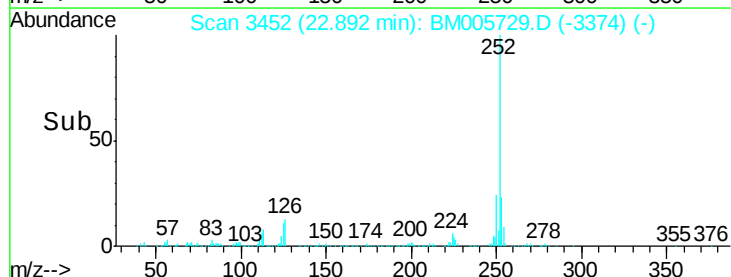
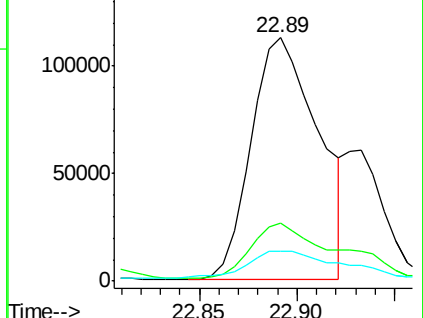
125 12.5 8.2 12.2#

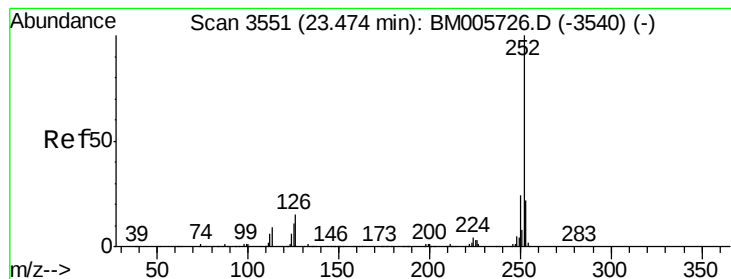


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 5.47 ng/u1

RT: 23.47 min Scan# 3550

Delta R.T. -0.01 min

Lab File: BM005729.D

Acq: 11 Jun 2016 16:31

Instrument :

BNA_M

ClientSampleId :

D9XQ8

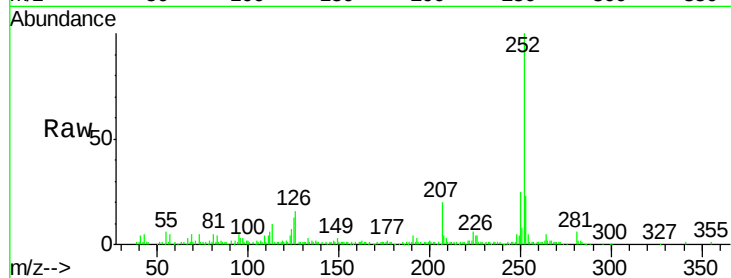
Tgt Ion:252 Resp: 168628

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

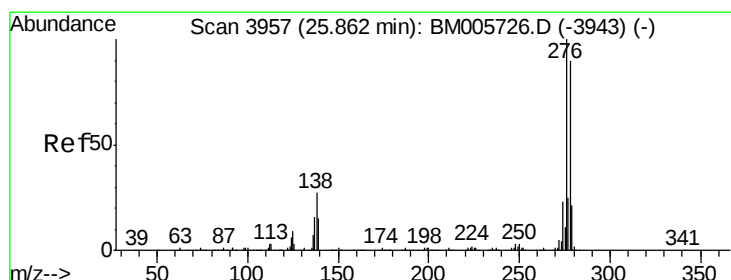
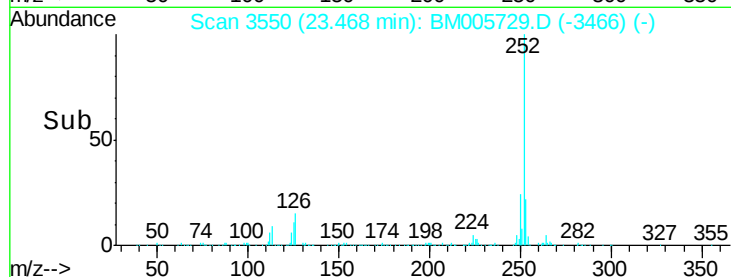
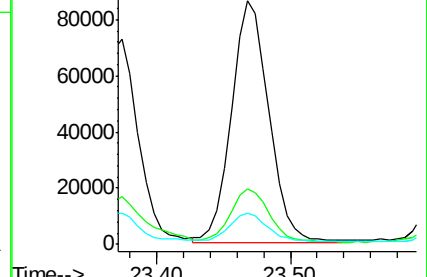
125 12.7 9.1 13.7



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 3.67 ng/u1

RT: 25.85 min Scan# 3955

Delta R.T. -0.00 min

Lab File: BM005729.D

Acq: 11 Jun 2016 16:31

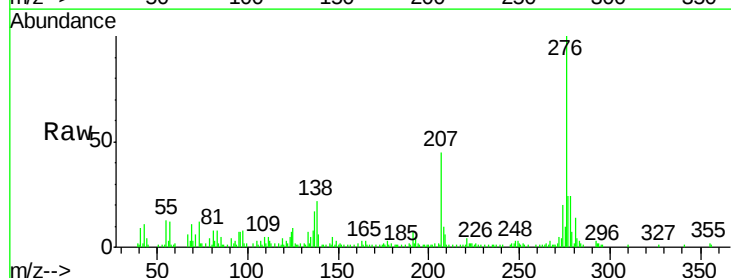
Tgt Ion:276 Resp: 110454

Ion Ratio Lower Upper

276 100

138 22.2 21.4 32.2

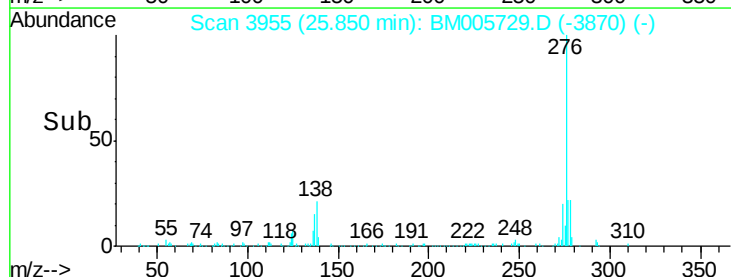
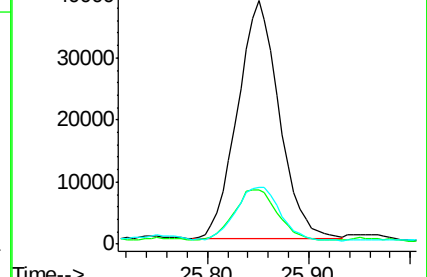
277 23.6 20.5 30.7

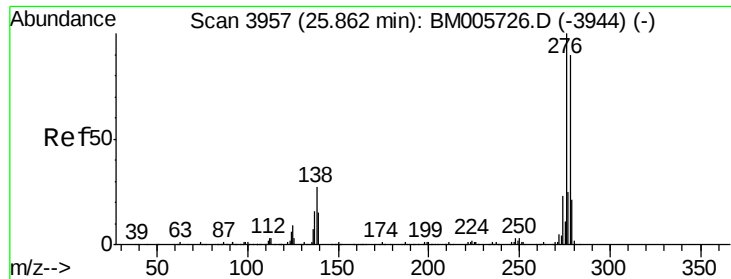


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 1.18 ng/ul

RT: 25.85 min Scan# 3955

Delta R.T. -0.01 min

Lab File: BM005729.D

Acq: 11 Jun 2016 16:31

Instrument :

BNA_M

ClientSampleId :

D9XQ8

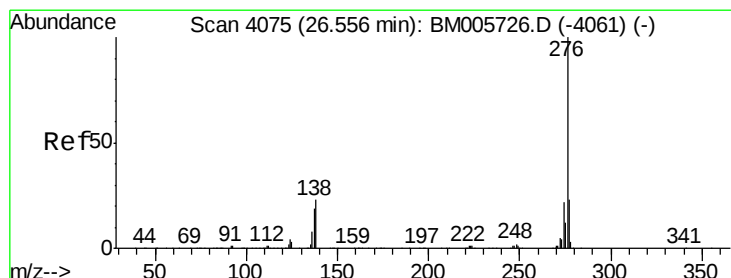
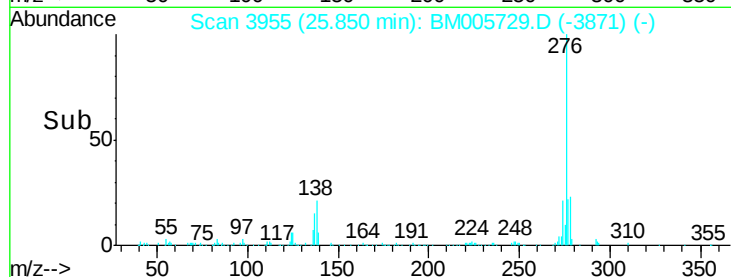
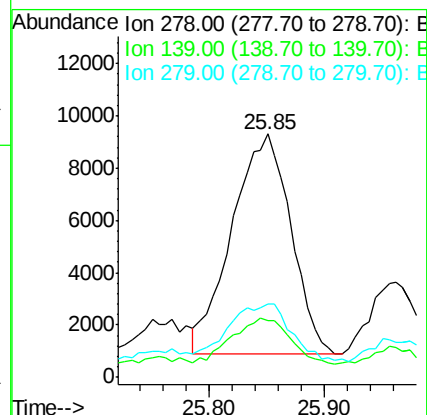
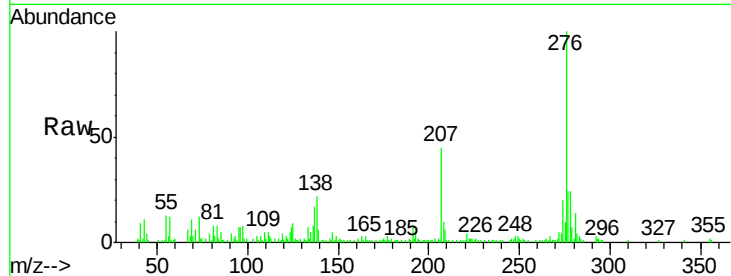
Tgt Ion:278 Resp: 29599

Ion Ratio Lower Upper

278 100

139 23.3 14.2 21.4#

279 30.0 18.8 28.2#



#41

Benzo(g,h,i)perylene

Concen: 4.01 ng/ul

RT: 26.55 min Scan# 4074

Delta R.T. -0.00 min

Lab File: BM005729.D

Acq: 11 Jun 2016 16:31

Tgt Ion:276 Resp: 100756

Ion Ratio Lower Upper

276 100

138 24.8 18.2 27.4

277 25.2 19.5 29.3

