

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009616.D
 Acq On : 07 Apr 2017 04:35
 Operator : SJ/MA
 Sample : I2525-14
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB366

Quant Time: Apr 07 05:14:52 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	191890	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	752806	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	433078	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.24	188	968342	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1222744	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	1178503	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2,4-Dichlorophenol-d3	10.26	165	260729	22.52	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1418002	33.41	ng/ul	0.00
10) Fluorene-d10	15.48	176	977176	32.01	ng/ul	0.00
15) Anthracene-d10	17.24	188	968342	20.90	ng/ul	-0.09
19) Pyrene-d10	19.63	212	1805525	35.93	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.60	264	1769238	34.00	ng/ul	0.00

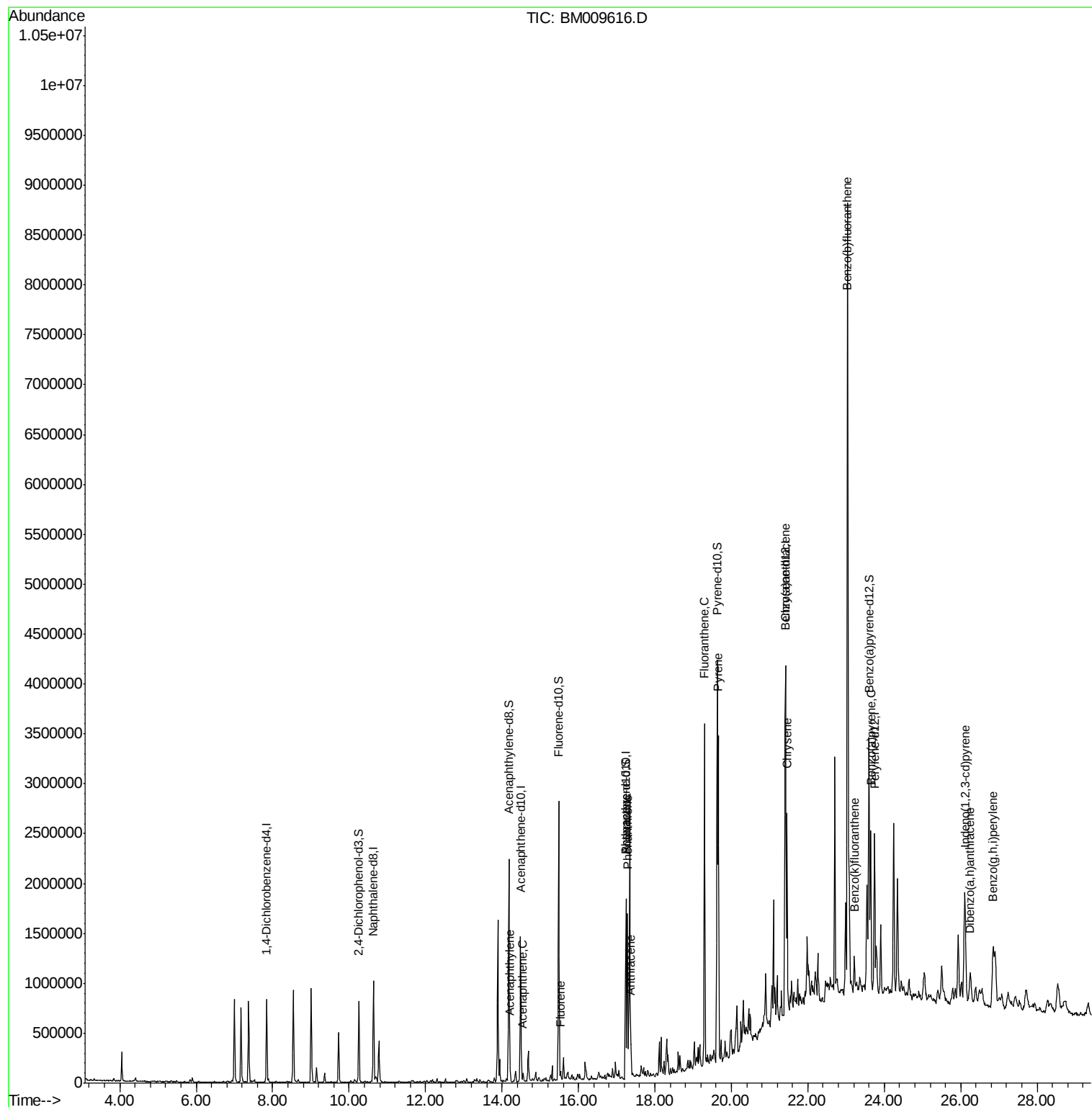
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Acenaphthylene	14.21	152	86676	2.04	ng/ul	94
9) Acenaphthene	14.55	153	32955	1.12	ng/ul#	90
11) Fluorene	15.53	166	36267	1.01	ng/ul	86
14) Phenanthrene	17.28	178	870442	15.99	ng/ul	97
16) Anthracene	17.37	178	205899	3.66	ng/ul	96
17) Fluoranthene	19.30	202	1950525	28.77	ng/ul	95
20) Pyrene	19.66	202	1902203	28.57	ng/ul	96
21) Benzo(a)anthracene	21.40	228	1152499	16.67	ng/ul	99
22) Chrysene	21.46	228	1113424	17.57	ng/ul	97
24) Benzo(b)fluoranthene	23.04	252	1675320	22.99	ng/ul#	93
25) Benzo(k)fluoranthene	23.22	252	235182	3.39	ng/ul	98
27) Benzo(a)pyrene	23.64	252	1120841	16.17	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	26.11	276	809585	10.42	ng/ul	96
29) Dibenzo(a,h)anthracene	26.23	278	67890	1.03	ng/ul	96
30) Benzo(a,h,i)perylene	26.84	276	775394	12.11	ng/ul#	92

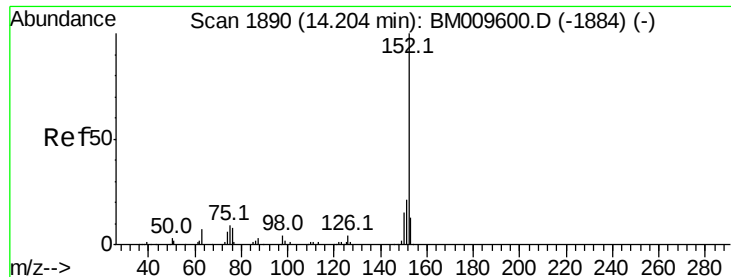
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 2.04 ng/ul

RT: 14.21 min Scan# 1891

Delta R.T. 0.01 min

Lab File: BM009616.D

Acq: 07 Apr 2017 04:35

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CB366

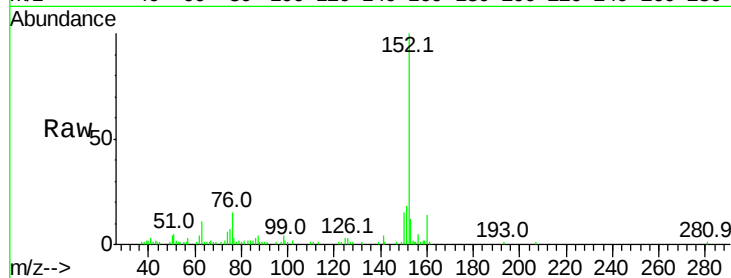
Tot Ion:152 Resp: 86676

Ion Ratio Lower Upper

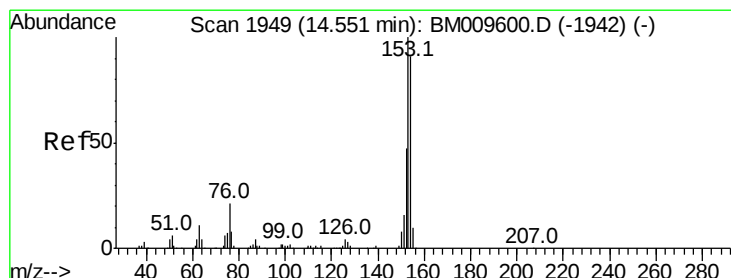
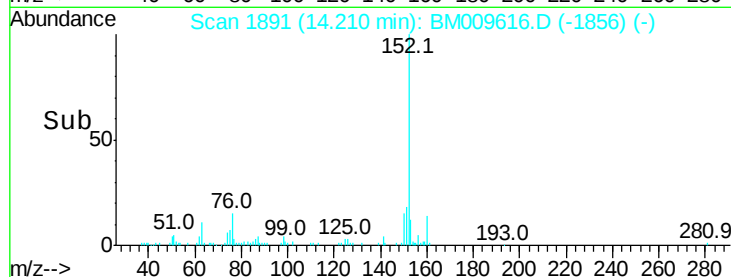
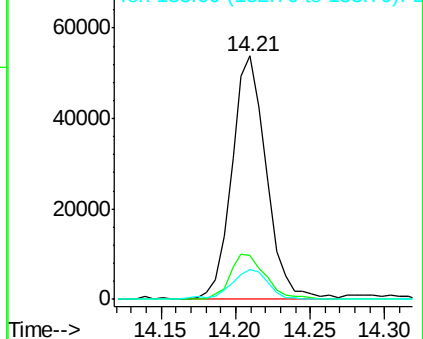
152 100

151 18.2 17.5 26.3

153 12.1 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#9

Acenaphthene

Concen: 1.12 ng/ul

RT: 14.55 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BM009616.D

Acq: 07 Apr 2017 04:35

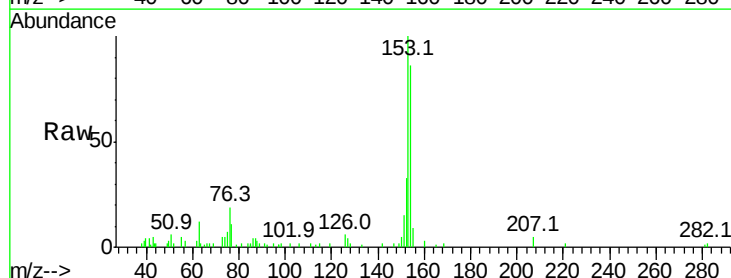
Tgt Ion:153 Resp: 32955

Ion Ratio Lower Upper

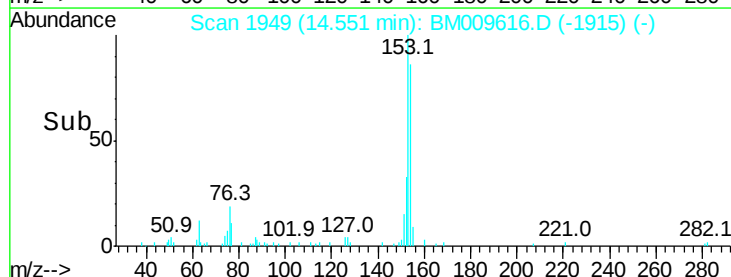
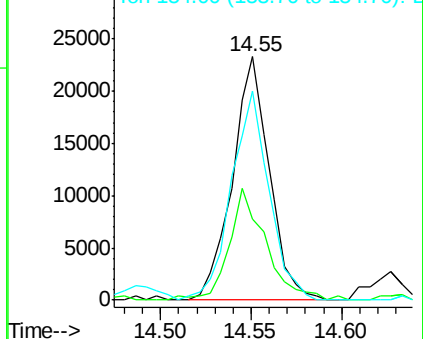
153 100

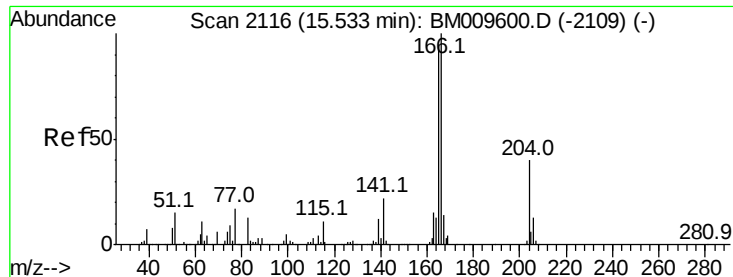
152 33.0 37.9 56.9#

154 86.1 71.6 107.4



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





#11

Fluorene

Concen: 1.01 ng/ul

RT: 15.53 min Scan# 2116

Delta R.T. 0.00 min

Lab File: BM009616.D

Acq: 07 Apr 2017 04:35

Instrument :

BNA_M

ClientSampleId :

CB366

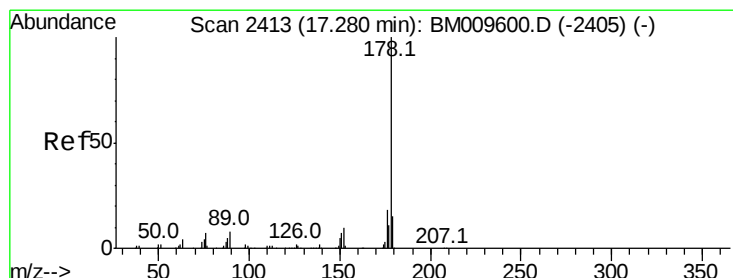
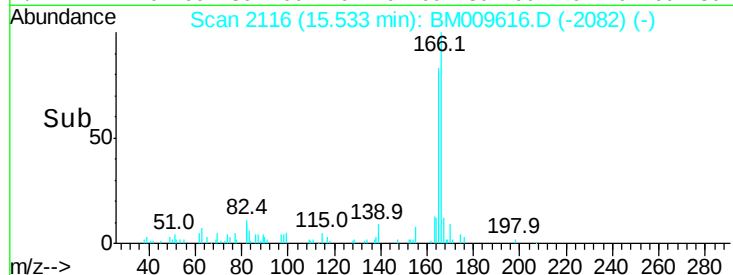
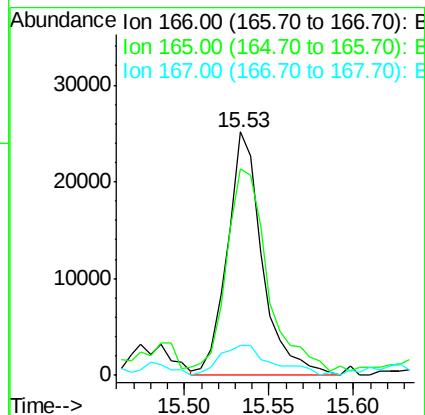
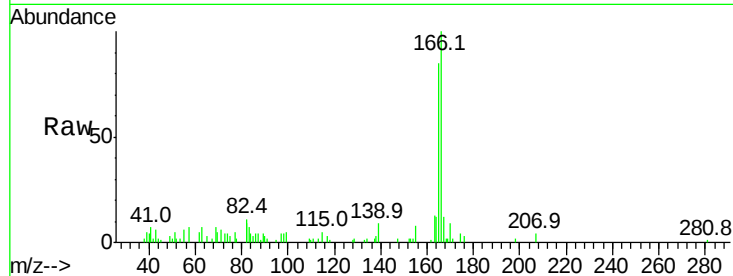
Tot Ion:166 Resp: 36267

Ion Ratio Lower Upper

166 100

165 85.0 80.0 120.0

167 12.2 11.6 17.4



#14

Phenanthrene

Concen: 15.99 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BM009616.D

Acq: 07 Apr 2017 04:35

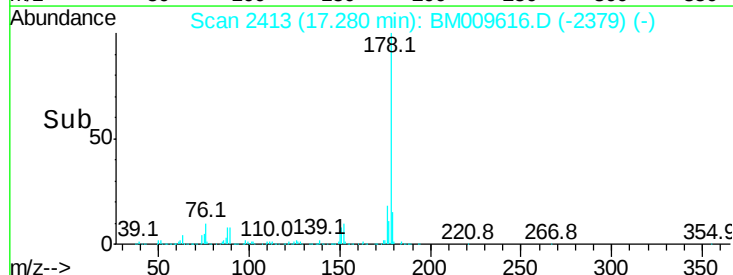
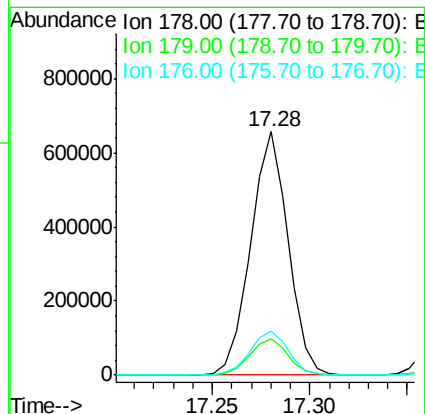
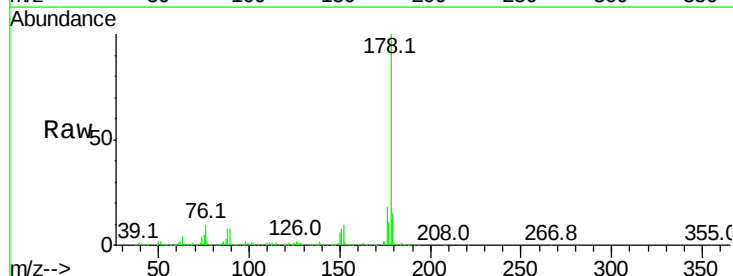
Tgt Ion:178 Resp: 870442

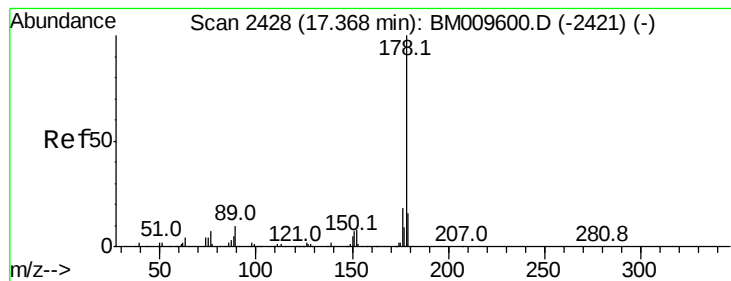
Ion Ratio Lower Upper

178 100

179 14.7 12.2 18.4

176 18.3 16.4 24.6





#16

Anthracene

Concen: 3.66 ng/ul

RT: 17.37 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BM009616.D

Acq: 07 Apr 2017 04:35

Instrument :

BNA_M

ClientSampleId :

CB366

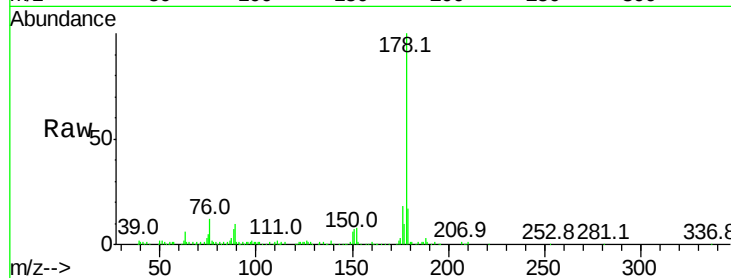
Tot Ion:178 Resp: 205899

Ion Ratio Lower Upper

178 100

179 17.1 12.7 19.1

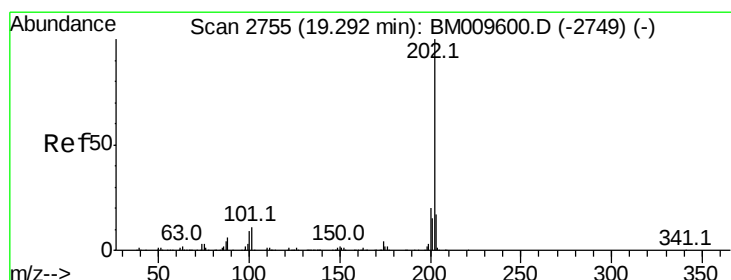
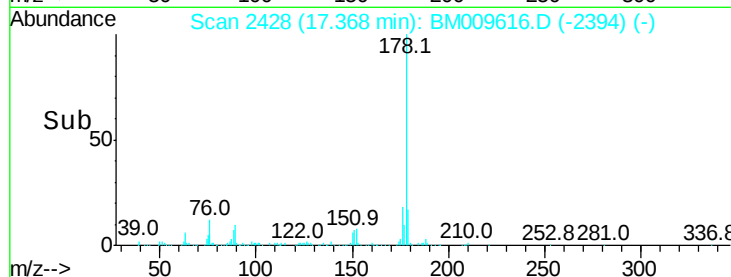
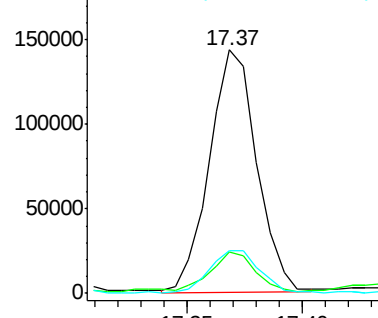
176 17.6 15.8 23.8



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



#17

Fluoranthene

Concen: 28.77 ng/ul

RT: 19.30 min Scan# 2756

Delta R.T. 0.01 min

Lab File: BM009616.D

Acq: 07 Apr 2017 04:35

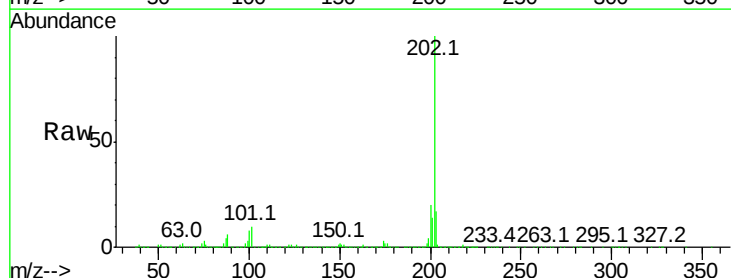
Tgt Ion:202 Resp: 1950525

Ion Ratio Lower Upper

202 100

101 9.9 9.8 14.8

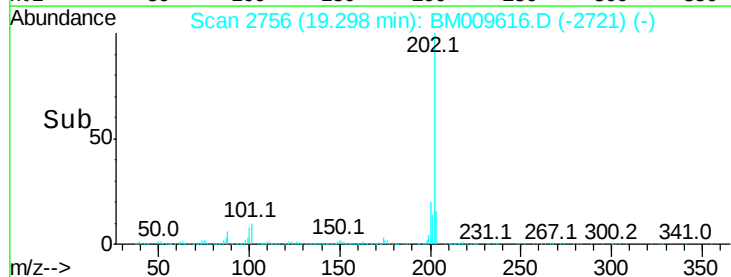
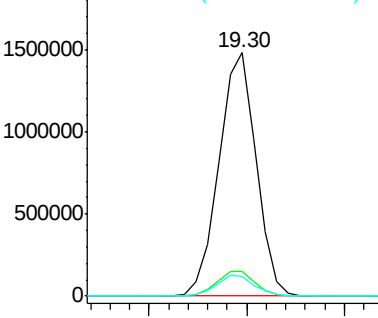
100 7.9 7.5 11.3

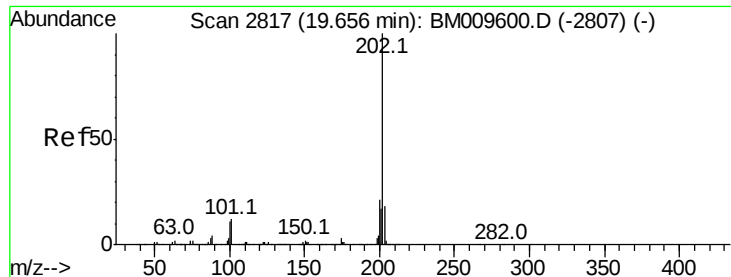


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

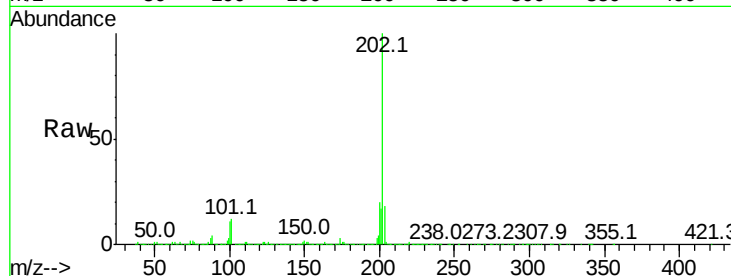




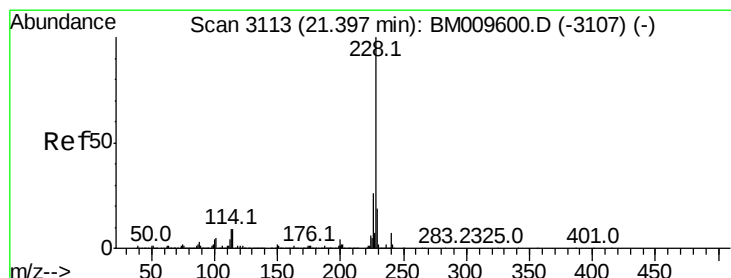
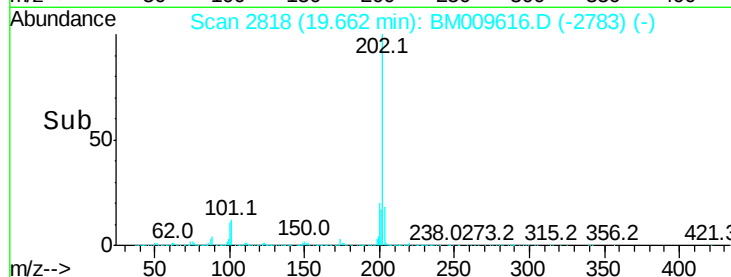
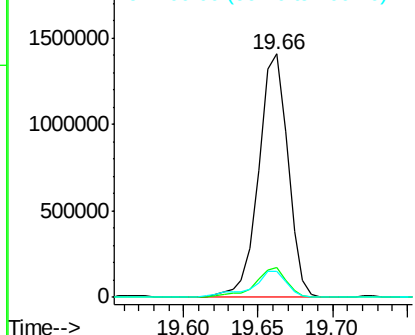
#20
Pvrene
Concen: 28.57 ng/ul
RT: 19.66 min Scan# 2818
Delta R.T. 0.01 min
Lab File: BM009616.D
Acq: 07 Apr 2017 04:35

Instrument :
BNA_M
ClientSampleId :
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Tot Ion:202 Resp: 1902203
Ion Ratio Lower Upper
202 100
101 12.1 11.2 16.8
100 10.8 9.8 14.6

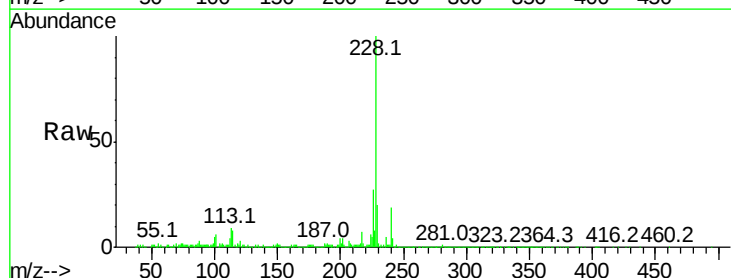


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

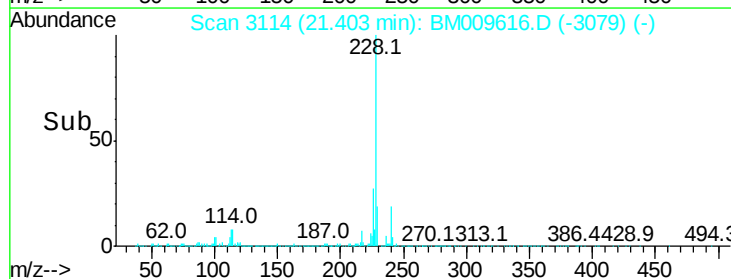
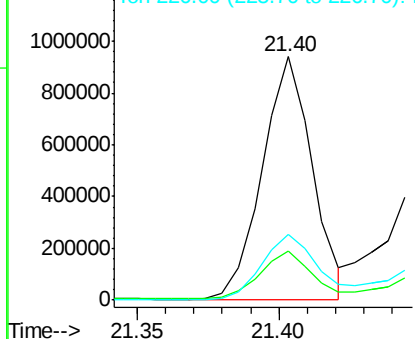


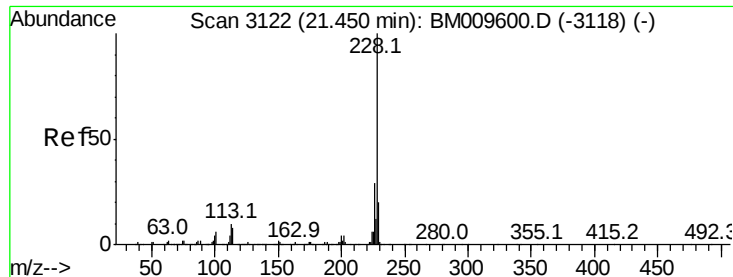
#21
Benzo(a)anthracene
Concen: 16.67 ng/ul
RT: 21.40 min Scan# 3114
Delta R.T. 0.01 min
Lab File: BM009616.D
Acq: 07 Apr 2017 04:35

Tgt Ion:228 Resp: 1152499
Ion Ratio Lower Upper
228 100
229 20.0 15.9 23.9
226 27.0 22.1 33.1



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





#22

Chrysene

Concen: 17.57 ng/ul

RT: 21.46 min Scan# 3123

Delta R.T. 0.01 min

Lab File: BM009616.D

Acq: 07 Apr 2017 04:35

Instrument :

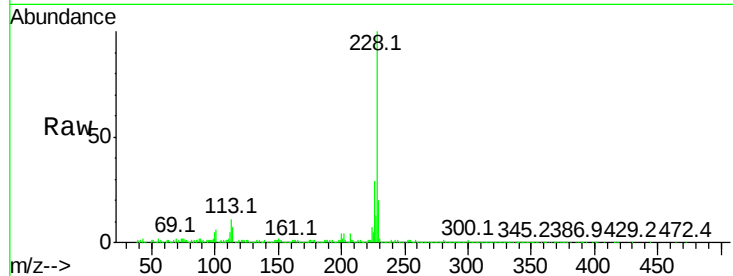
BNA_M

ClientSampleId :

CB366

Tot Ion:228 Resp: 1113424

Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.0	37.6
229	20.0	16.6	25.0

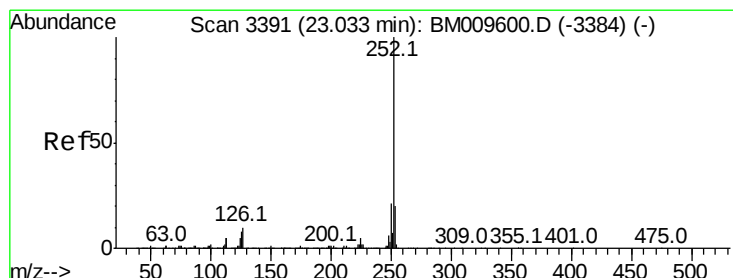
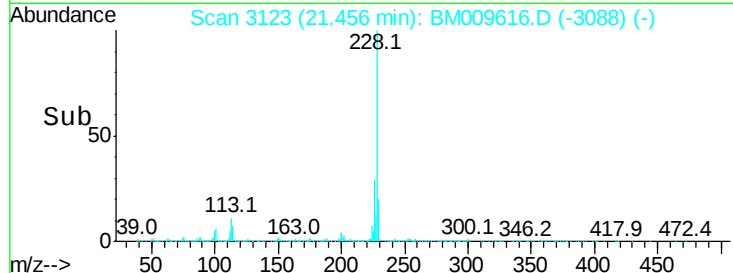
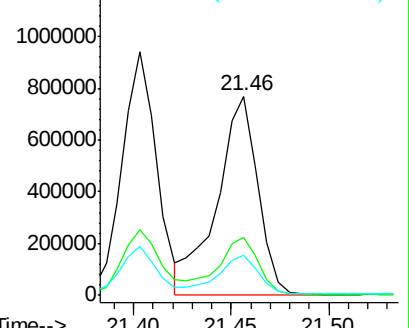


Abundance

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



#24

Benzo(b)fluoranthene

Concen: 22.99 ng/ul

RT: 23.04 min Scan# 3393

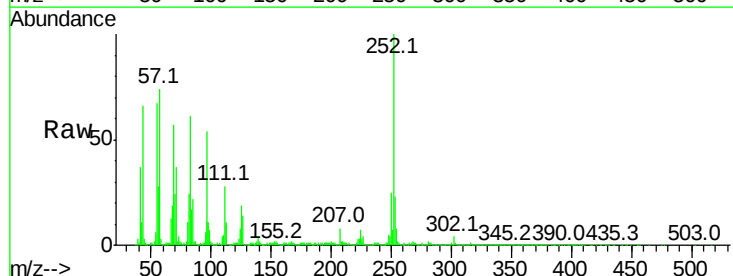
Delta R.T. 0.01 min

Lab File: BM009616.D

Acq: 07 Apr 2017 04:35

Tgt Ion:252 Resp: 1675320

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	19.3	9.4	14.0

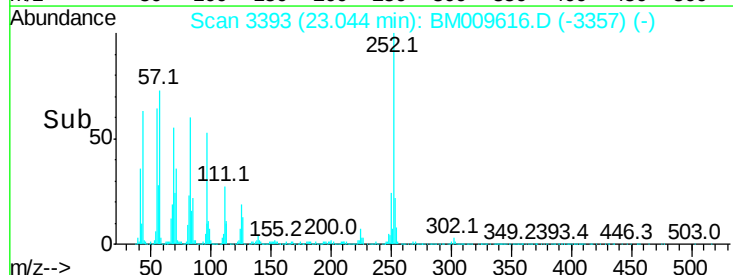
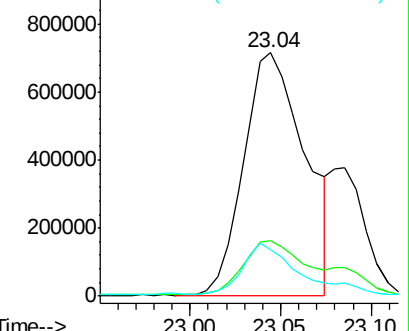


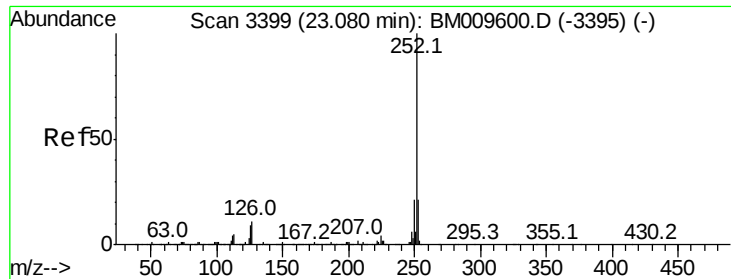
Abundance

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





#25

Benzo(k)fluoranthene

Concen: 3.39 ng/ul

RT: 23.22 min Scan# 3422

Delta R.T. 0.14 min

Lab File: BM009616.D

Acq: 07 Apr 2017 04:35

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BNA_M

ClientSampleId :

CB366

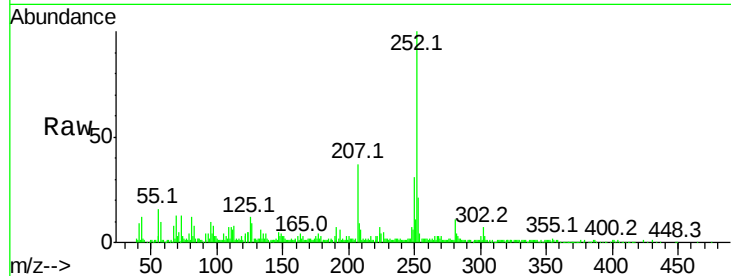
Tot Ion:252 Resp: 235182

Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.2

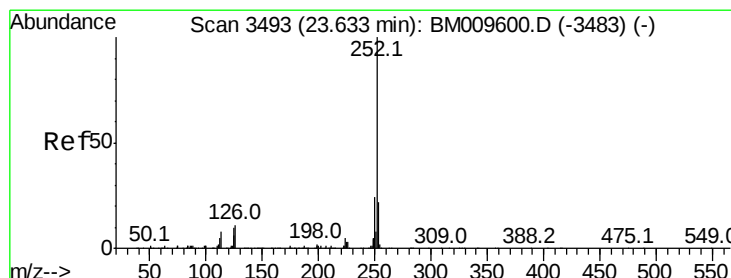
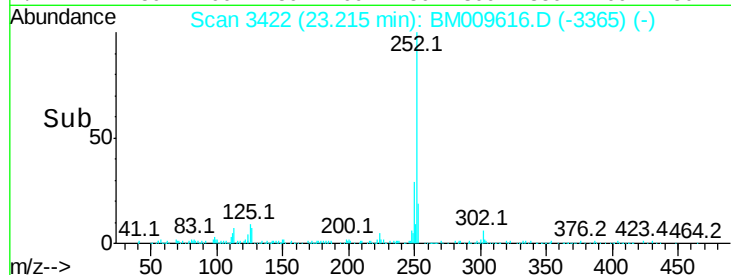
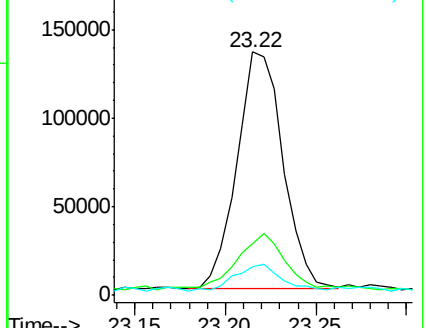
125 11.9 8.8 13.2



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



#27

Benzo(a)pyrene

Concen: 16.17 ng/ul

RT: 23.64 min Scan# 3495

Delta R.T. 0.01 min

Lab File: BM009616.D

Acq: 07 Apr 2017 04:35

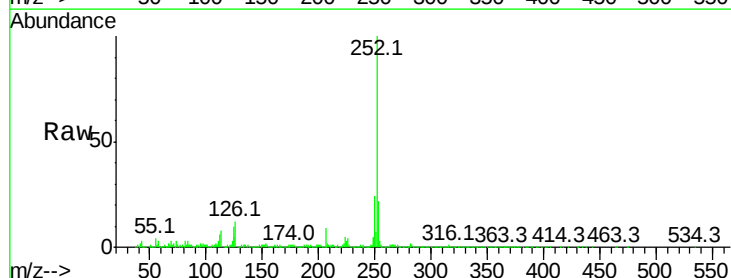
Tgt Ion:252 Resp: 1120841

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

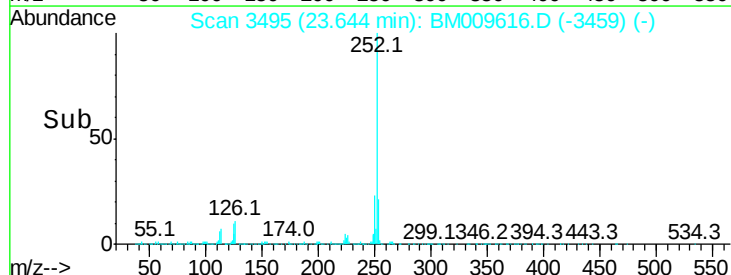
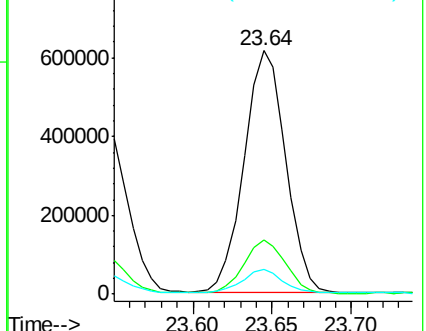
125 10.0 9.4 14.2

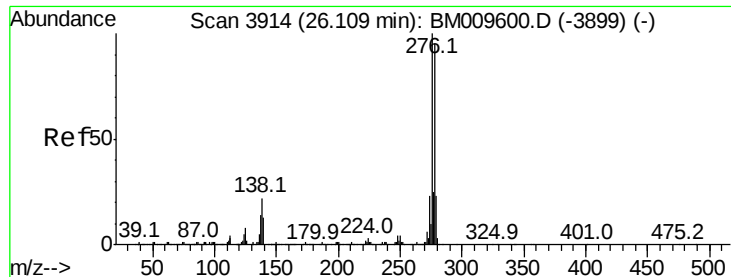


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#28

Indeno(1,2,3-cd)pyrene

Concen: 10.42 ng/ul

RT: 26.11 min Scan# 3914

Delta R.T. 0.00 min

Lab File: BM009616.D

Acq: 07 Apr 2017 04:35

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CB366

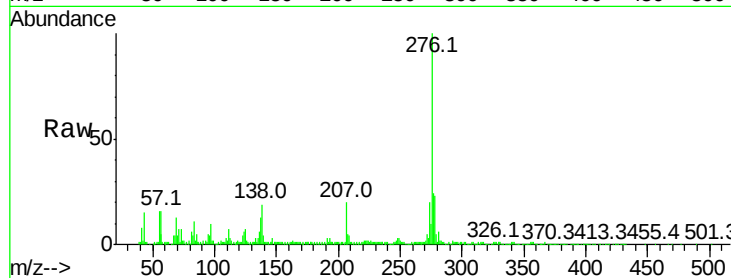
Tot Ion:276 Resp: 809585

Ion Ratio Lower Upper

276 100

138 19.0 17.8 26.6

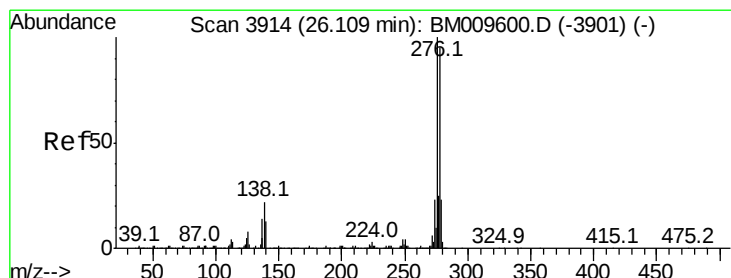
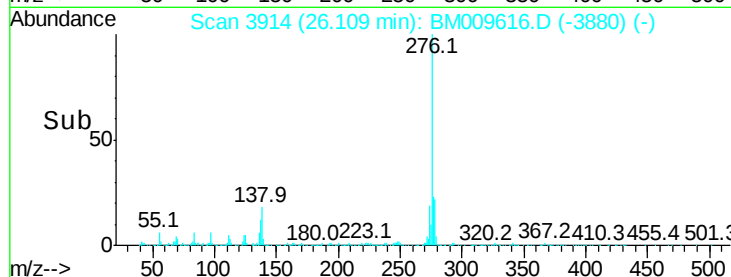
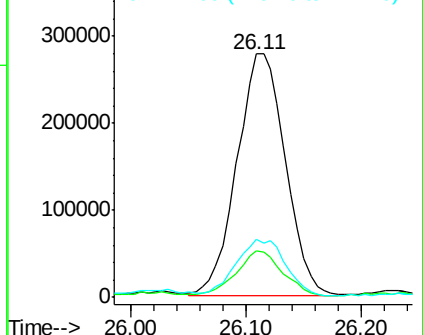
277 23.8 19.4 29.0



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



#29

Dibenzo(a,h)anthracene

Concen: 1.03 ng/ul

RT: 26.23 min Scan# 3934

Delta R.T. 0.12 min

Lab File: BM009616.D

Acq: 07 Apr 2017 04:35

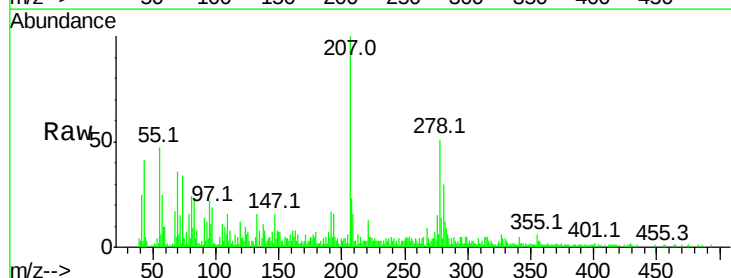
Tgt Ion:278 Resp: 67890

Ion Ratio Lower Upper

278 100

139 15.2 14.0 21.0

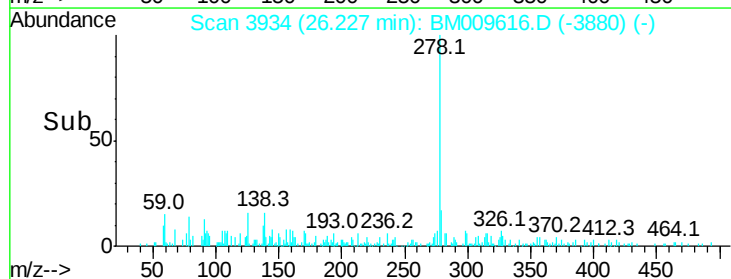
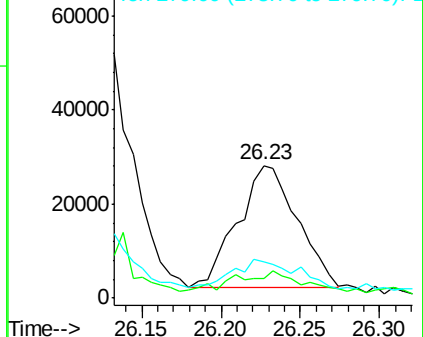
279 27.2 20.6 31.0

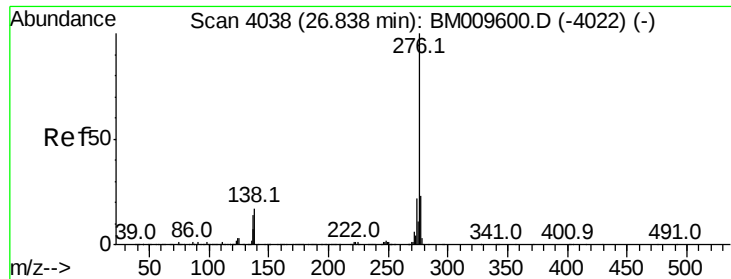


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#30

Benzo(a,h,i)perylene

Concen: 12.11 ng/ul

RT: 26.84 min Scan# 4039

Delta R.T. 0.01 min

Lab File: BM009616.D

Acq: 07 Apr 2017 04:35

Instrument :

BNA_M

ClientSampleId :

CB366

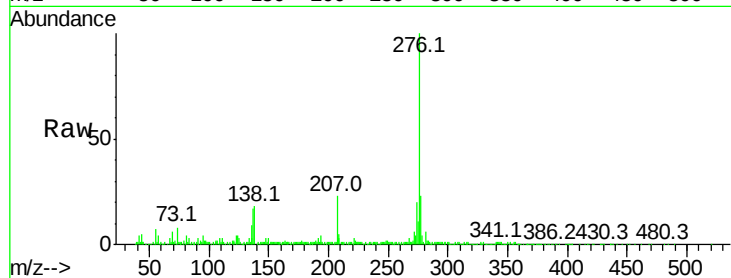
Tot Ion:276 Resp: 775394

Ion Ratio Lower Upper

276 100

138 17.6 19.0 28.4#

277 23.0 19.7 29.5



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

