

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061516\
 Data File : BM005805.D
 Acq On : 15 Jun 2016 03:31
 Operator : UM/SJ
 Sample : H3565-13MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y04MSD

Quant Time: Jun 15 05:53:18 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 15 01:42:36 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	89323	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	465354	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	292791	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	662682	20.00	ng/ul	0.00
29) Chrysene-d12	21.31	240	524591	20.00	ng/ul	0.00
34) Perylene-d12	23.57	264	514344	20.00	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.19	96	2683	1.39	ng/uL	0.00
3) Phenol-d5	6.92	99	104903	14.30	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	79892	18.30	ng/ul	0.00
5) 2-Chlorophenol-d4	7.27	132	101379	16.59	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	68359	11.03	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	53893	16.36	ng/ul	0.00
9) 2-Nitrophenol-d4	9.62	143	63062	17.22	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	112952	16.12	ng/ul	0.00
12) 4-Chloroaniline-d4	10.67	131	115479	15.00	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	399122	17.17	ng/ul	0.00
17) Acenaphthylene-d8	14.08	160	523508	17.73	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	29112	10.89	ng/ul	0.00
21) Fluorene-d10	15.38	176	363253	18.76	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	33508	11.30	ng/ul	0.00
26) Anthracene-d10	17.23	188	547081	17.80	ng/ul	0.00
30) Pyrene-d10	19.53	212	516563	20.23	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	406229	17.10	ng/ul	0.00

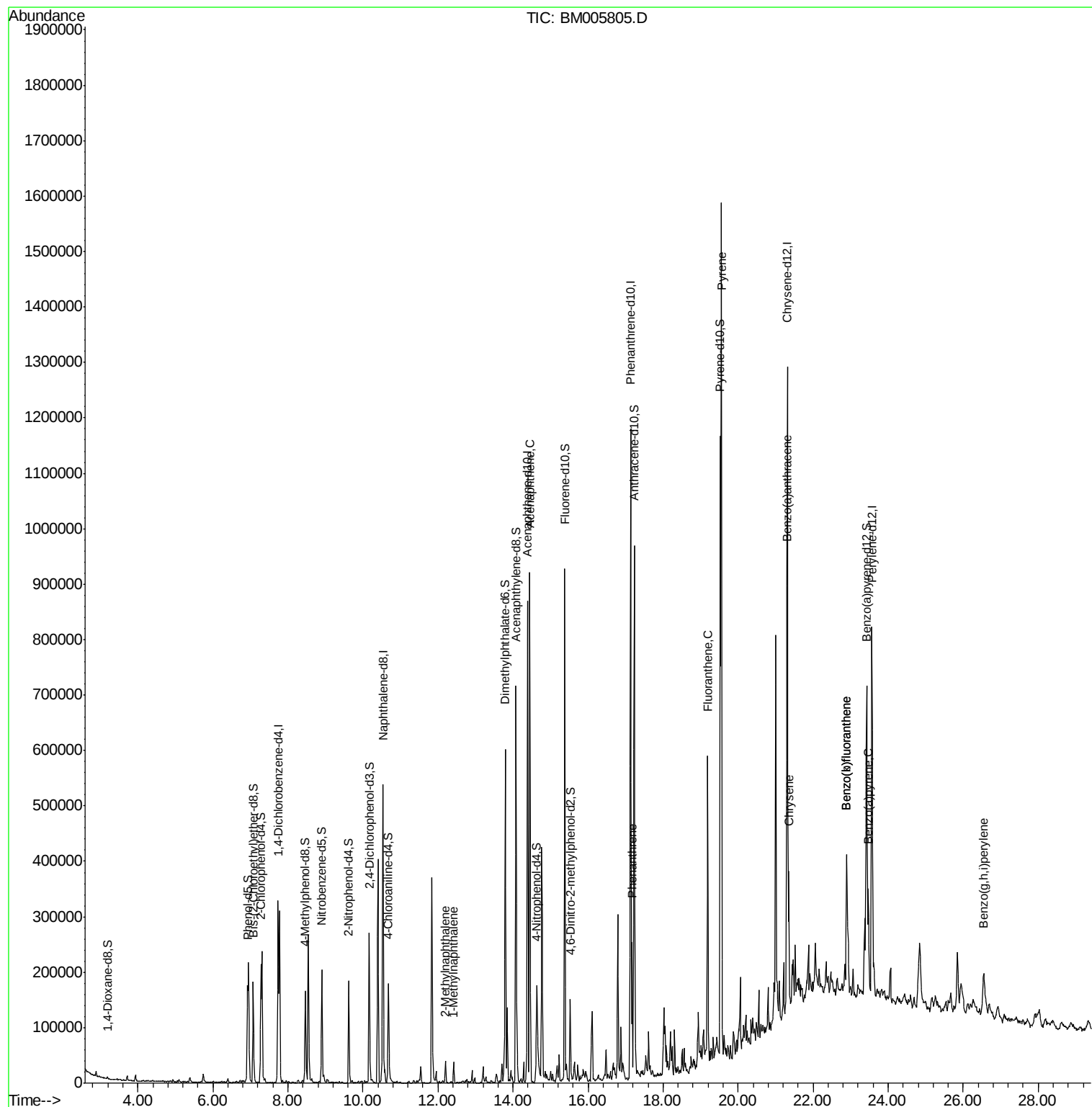
Target Compounds				Qvalue		
13) 2-Methylnaphthalene	12.20	142	21297	1.28	ng/ul	99
14) 1-Methylnaphthalene	12.42	142	19345	1.15	ng/ul	96
19) Acenaphthene	14.45	153	368485	18.90	ng/ul	99
25) Phenanthrene	17.17	178	141080	3.88	ng/ul	99
28) Fluoranthene	19.19	202	312410	8.07	ng/ul	100
31) Pyrene	19.56	202	928578	28.82	ng/ul	97
32) Benzo(a)anthracene	21.30	228	133558	4.40	ng/ul	98
33) Chrysene	21.35	228	151527	5.09	ng/ul	98
35) Benzo(b)fluoranthene	22.89	252	218472	7.11	ng/ul	96
36) Benzo(k)fluoranthene	22.89	252	218472	7.68	ng/ul	98
38) Benzo(a)pyrene	23.47	252	132981	4.53	ng/ul	98
41) Benzo(g,h,i)perylene	26.55	276	89812	3.08	ng/ul	97

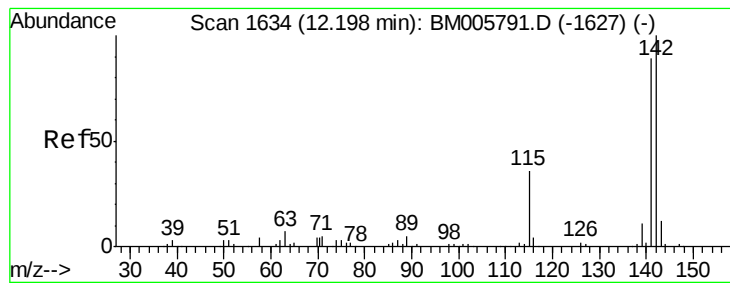
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

2-Methylnaphthalene

Concen: 1.28 ng/ul

RT: 12.20 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BM005805.D

Acq: 15 Jun 2016 03:31

Instrument :

BNA_M

ClientSampleId :

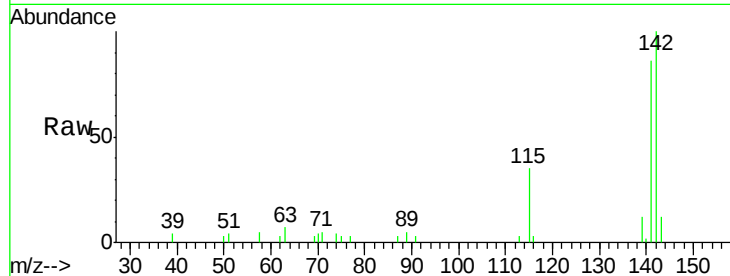
D9Y04MSD

Tgt Ion:142 Resp: 21297

Ion Ratio Lower Upper

142 100

141 85.7 69.0 103.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

15000

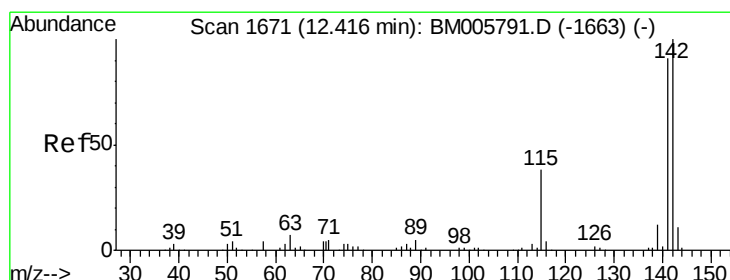
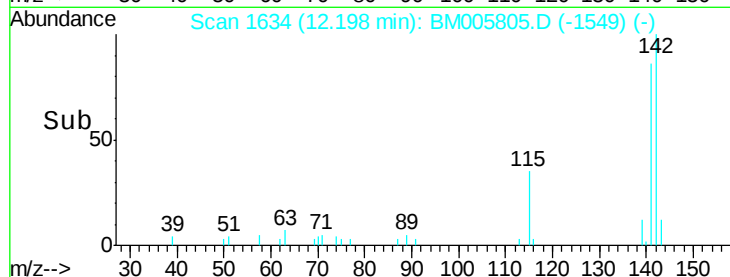
12.20

10000

5000

0

Time-->



#14

1-Methylnaphthalene

Concen: 1.15 ng/ul

RT: 12.42 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BM005805.D

Acq: 15 Jun 2016 03:31

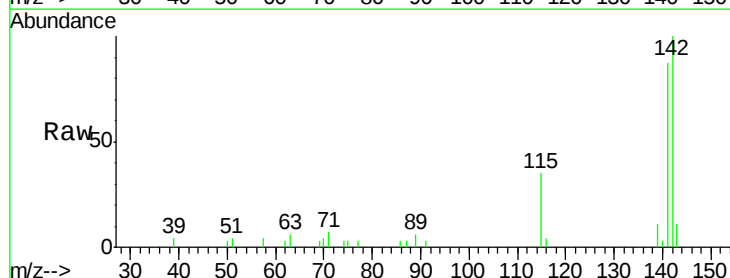
Tgt Ion:142 Resp: 19345

Ion Ratio Lower Upper

142 100

141 87.0 73.0 109.4

116 3.8 3.0 4.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

15000

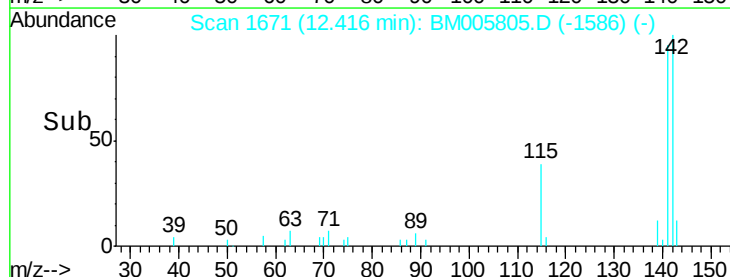
12.42

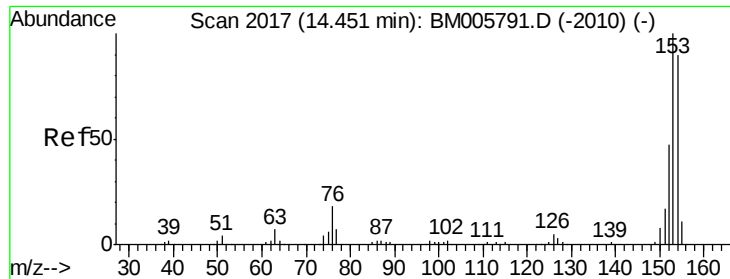
10000

5000

0

Time-->





#19

Acenaphthene

Concen: 18.90 ng/ul

RT: 14.45 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BM005805.D

Acq: 15 Jun 2016 03:31

Instrument :

BNA_M

ClientSampleId :

D9Y04MSD

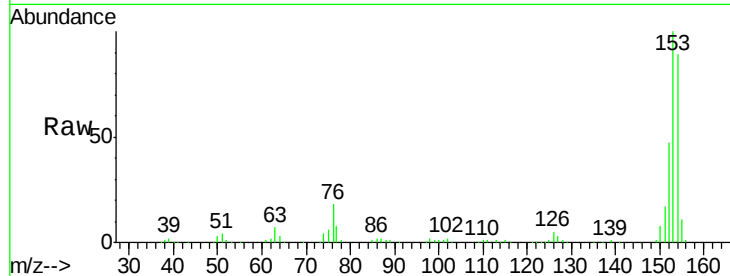
Tgt Ion:153 Resp: 368485

Ion Ratio Lower Upper

153 100

152 47.3 38.1 57.1

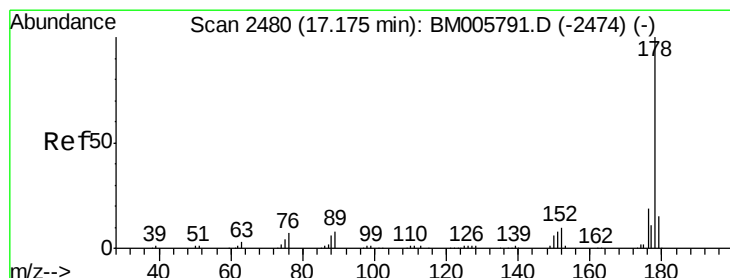
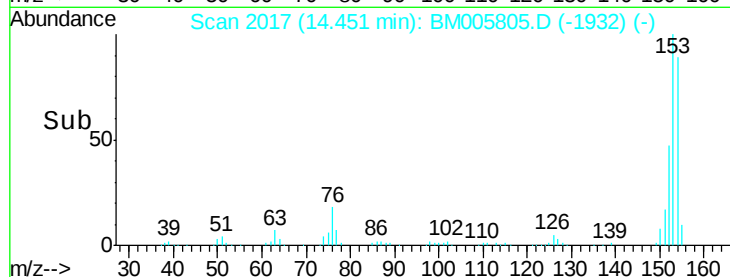
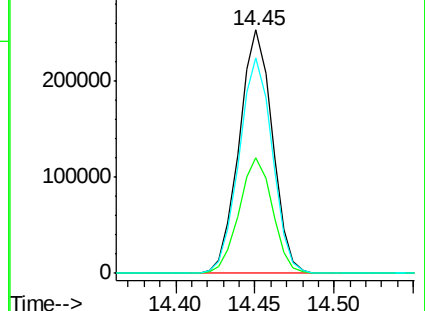
154 88.5 71.6 107.4



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



#25

Phenanthrene

Concen: 3.88 ng/ul

RT: 17.17 min Scan# 2480

Delta R.T. -0.00 min

Lab File: BM005805.D

Acq: 15 Jun 2016 03:31

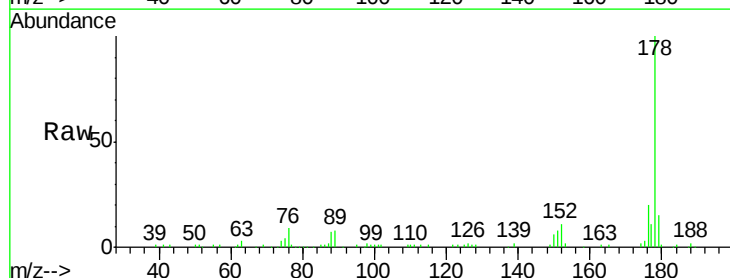
Tgt Ion:178 Resp: 141080

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

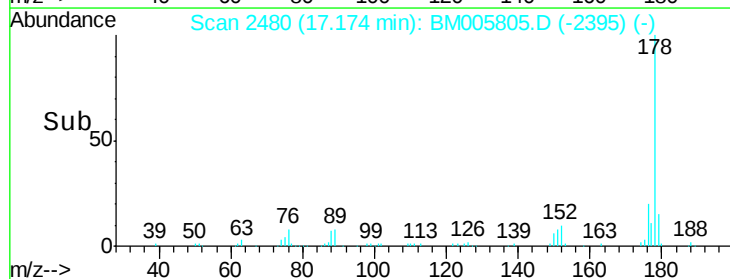
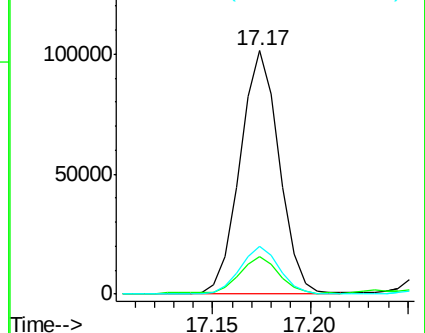
176 19.6 15.3 22.9

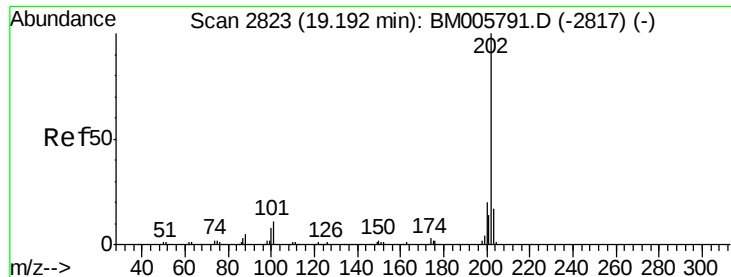


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 8.07 ng/ul

RT: 19.19 min Scan# 2823

Delta R.T. -0.00 min

Lab File: BM005805.D

Acq: 15 Jun 2016 03:31

Instrument :

BNA_M

ClientSampleId :

D9Y04MSD

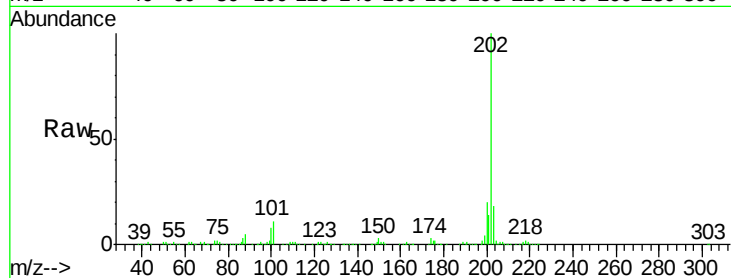
Tgt Ion:202 Resp: 312410

Ion Ratio Lower Upper

202 100

101 10.5 8.5 12.7

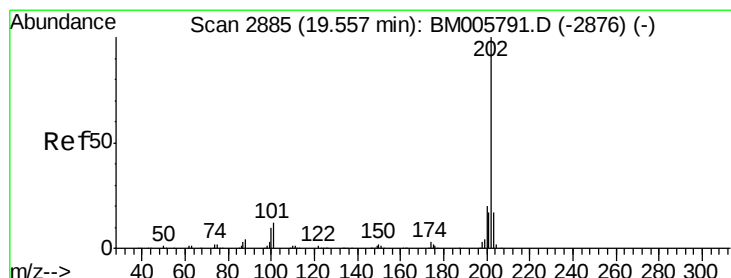
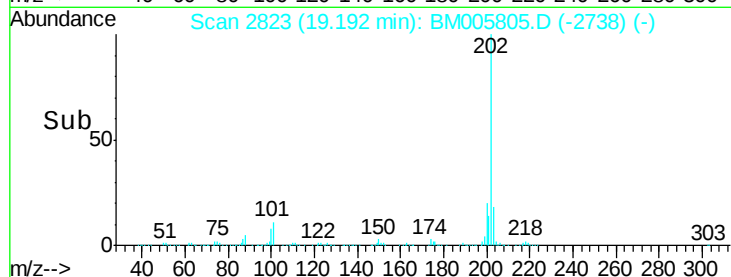
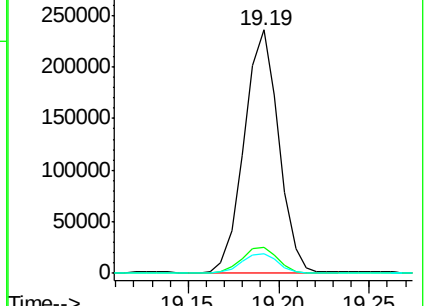
100 7.8 6.5 9.7



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: 28.82 ng/ul

RT: 19.56 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BM005805.D

Acq: 15 Jun 2016 03:31

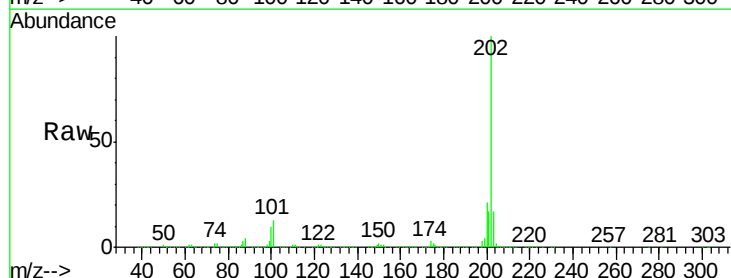
Tgt Ion:202 Resp: 928578

Ion Ratio Lower Upper

202 100

101 12.7 11.0 16.4

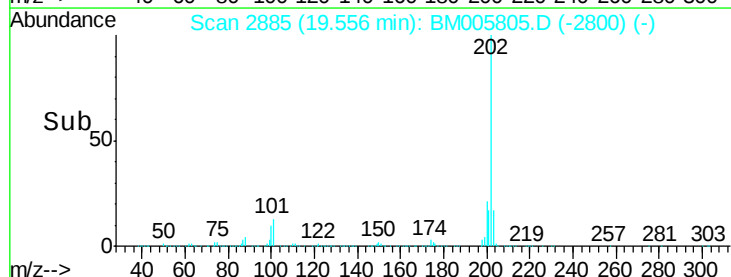
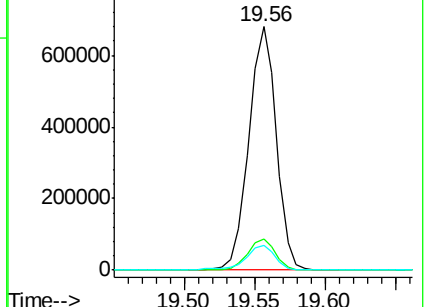
100 9.9 8.9 13.3

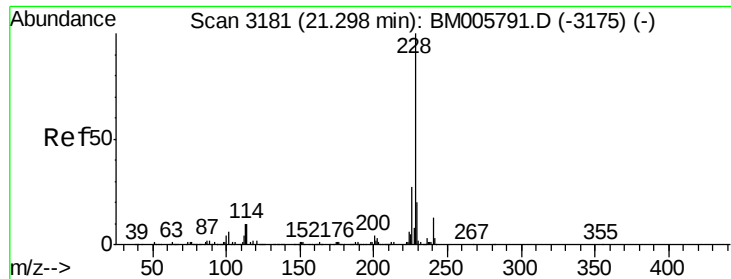


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

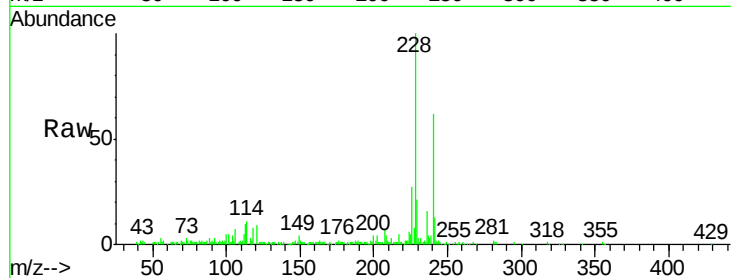




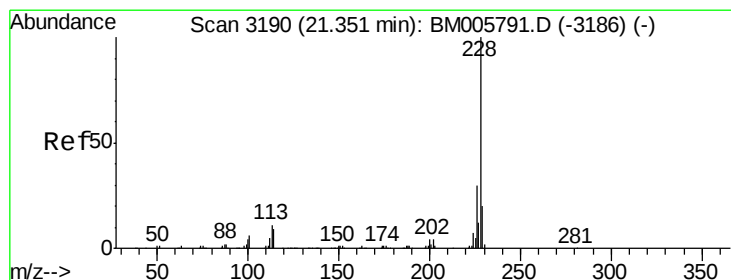
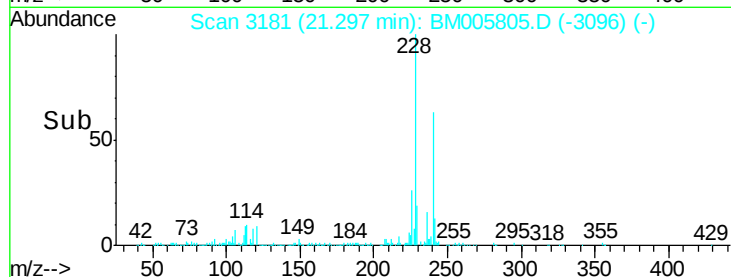
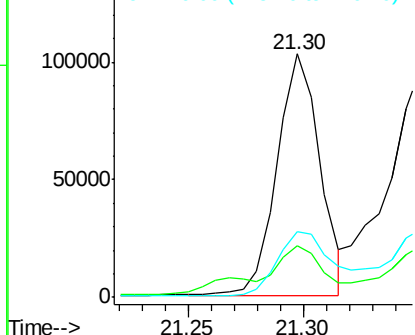
#32
Benzo(a)anthracene
Concen: 4.40 ng/ul
RT: 21.30 min Scan# 3181
Delta R.T. -0.00 min
Lab File: BM005805.D
Acq: 15 Jun 2016 03:31

Instrument :
BNA_M
ClientSampleId :
D9Y04MSD

Tgt Ion:228 Resp: 133558
Ion Ratio Lower Upper
228 100
229 21.2 15.6 23.4
226 26.9 21.6 32.4

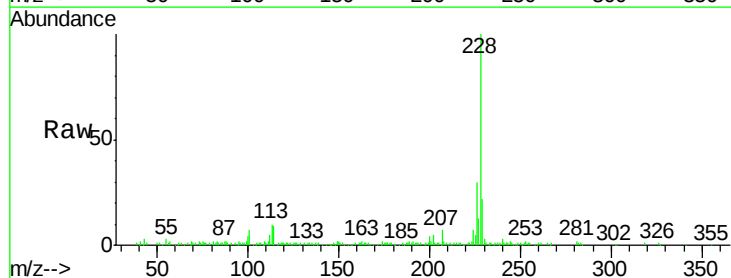


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

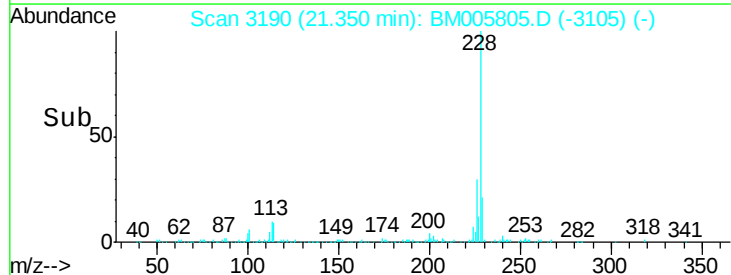
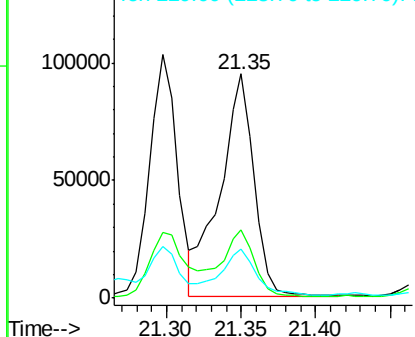


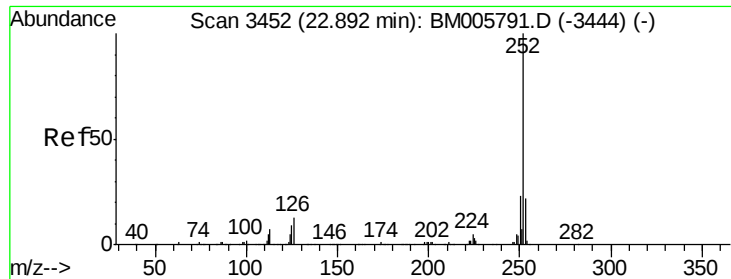
#33
Chrysene
Concen: 5.09 ng/ul
RT: 21.35 min Scan# 3190
Delta R.T. -0.00 min
Lab File: BM005805.D
Acq: 15 Jun 2016 03:31

Tgt Ion:228 Resp: 151527
Ion Ratio Lower Upper
228 100
226 30.2 23.8 35.6
229 21.9 15.8 23.6



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





#35

Benzo(b)fluoranthene

Concen: 7.11 ng/ul

RT: 22.89 min Scan# 3452

Delta R.T. -0.00 min

Lab File: BM005805.D

Acq: 15 Jun 2016 03:31

Instrument :

BNA_M

ClientSampleId :

D9Y04MSD

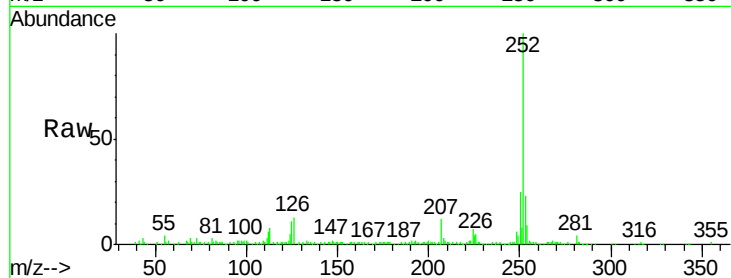
Tgt Ion:252 Resp: 218472

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

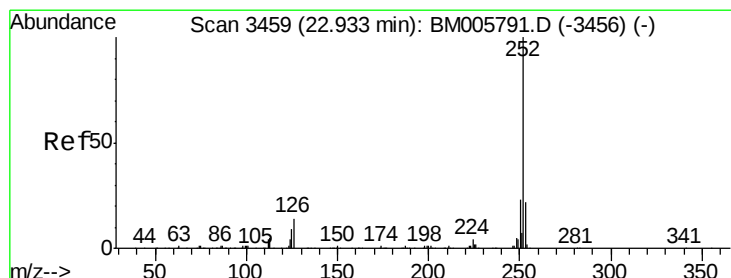
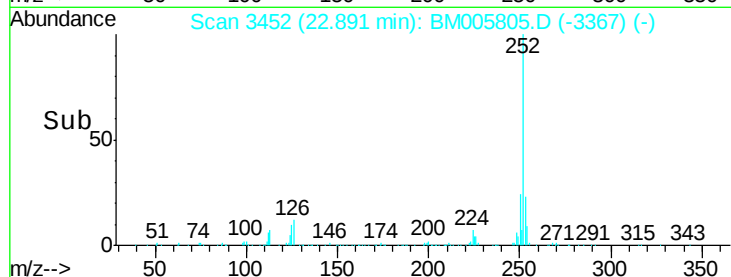
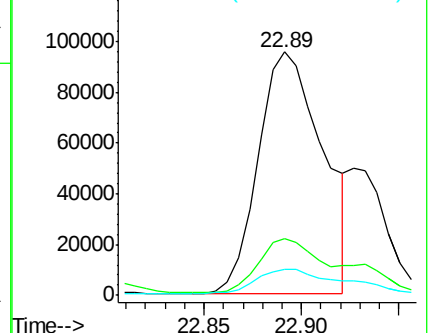
125 10.6 7.8 11.6



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: 7.68 ng/ul

RT: 22.89 min Scan# 3452

Delta R.T. -0.04 min

Lab File: BM005805.D

Acq: 15 Jun 2016 03:31

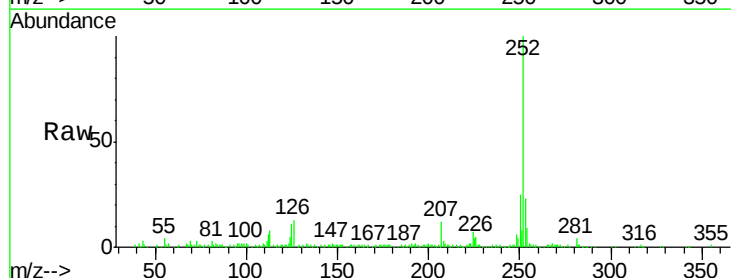
Tgt Ion:252 Resp: 218472

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

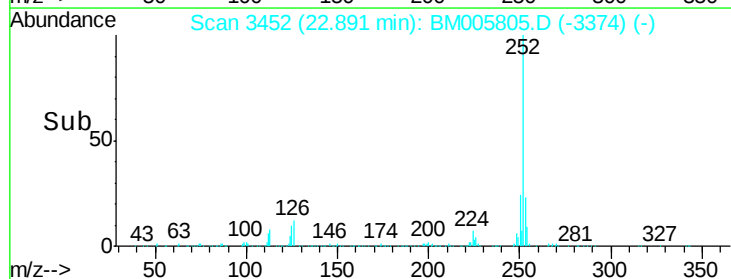
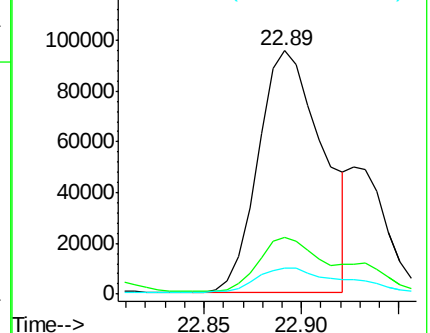
125 10.6 8.1 12.1

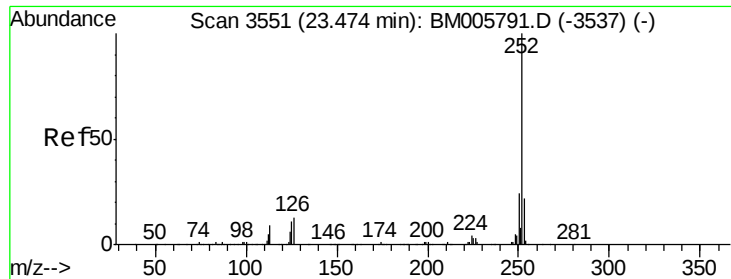


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 4.53 ng/ul

RT: 23.47 min Scan# 3550

Delta R.T. -0.01 min

Lab File: BM005805.D

Acq: 15 Jun 2016 03:31

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ClientSampleId :

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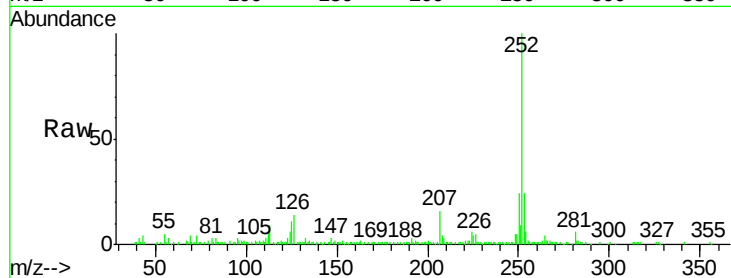
Tgt Ion:252 Resp: 132981

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

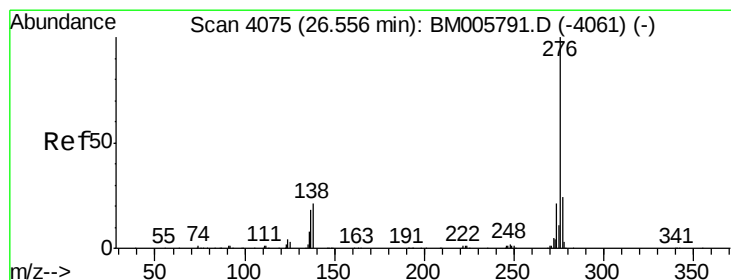
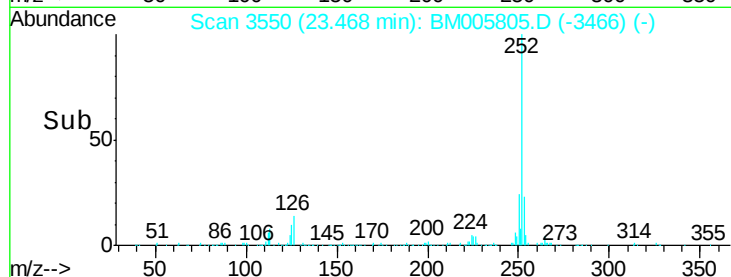
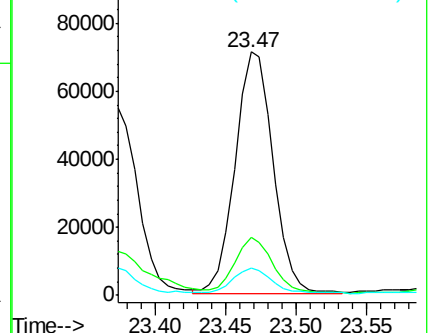
125 11.0 8.7 13.1



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



#41

Benzo(g,h,i)perylene

Concen: 3.08 ng/ul

RT: 26.55 min Scan# 4074

Delta R.T. -0.01 min

Lab File: BM005805.D

Acq: 15 Jun 2016 03:31

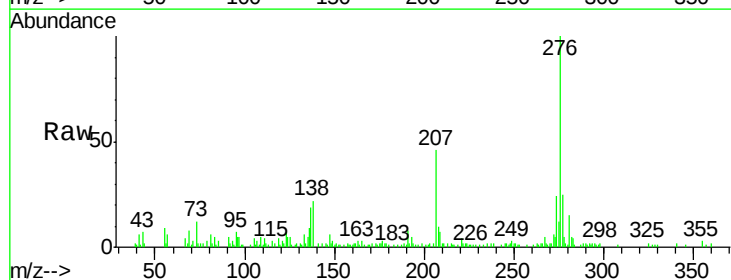
Tgt Ion:276 Resp: 89812

Ion Ratio Lower Upper

276 100

138 22.3 16.6 25.0

277 25.0 18.9 28.3



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

