

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070116\
 Data File : BM006181.D
 Acq On : 01 Jul 2016 14:14
 Operator : UM/SJ
 Sample : H3777-15MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YC4MS

Quant Time: Jul 01 17:32:38 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 29 00:57:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	353821	20.00	ng/ul	0.01
7) Naphthalene-d8	10.45	136	1595667	20.00	ng/ul	0.01
15) Acenaphthene-d10	14.32	164	897725	20.00	ng/ul	0.01
23) Phenanthrene-d10	17.07	188	1901639	20.00	ng/ul	0.02
29) Chrysene-d12	21.27	240	1427620	20.00	ng/ul	0.02
34) Perylene-d12	23.50	264	1456646	20.00	ng/ul	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	7790	1.02	ng/uL	0.00
3) Phenol-d5	6.85	99	464077	16.06	ng/ul	0.02
4) Bis-(2-Chloroethyl)ether-d	7.00	67	287555	16.87	ng/ul	0.00
5) 2-Chlorophenol-d4	7.20	132	363822	16.40	ng/ul	0.01
6) 4-Methylphenol-d8	8.38	113	325852	14.01	ng/ul	0.02
8) Nitrobenzene-d5	8.82	128	190923	17.76	ng/ul	0.01
9) 2-Nitrophenol-d4	9.53	143	219516	17.85	ng/ul	0.01
10) 2,4-Dichlorophenol-d3	10.07	165	384170	17.12	ng/ul	0.02
12) 4-Chloroaniline-d4	10.59	131	220479	12.43	ng/ul	0.01
16) Dimethylphthalate-d6	13.73	166	1138823	17.70	ng/ul	0.01
17) Acenaphthylene-d8	14.00	160	1445301	18.51	ng/ul	0.01
20) 4-Nitrophenol-d4	14.54	143	178890	14.65	ng/ul	0.04
21) Fluorene-d10	15.32	176	990104	18.03	ng/ul	0.01
24) 4,6-Dinitro-2-methylphenol	15.46	200	109392	16.24	ng/ul	0.03
26) Anthracene-d10	17.17	188	1434699	18.81	ng/ul	0.02
30) Pyrene-d10	19.47	212	1332573	23.18	ng/ul	0.02
37) Benzo(a)pyrene-d12	23.36	264	1076151	18.56	ng/ul	0.04

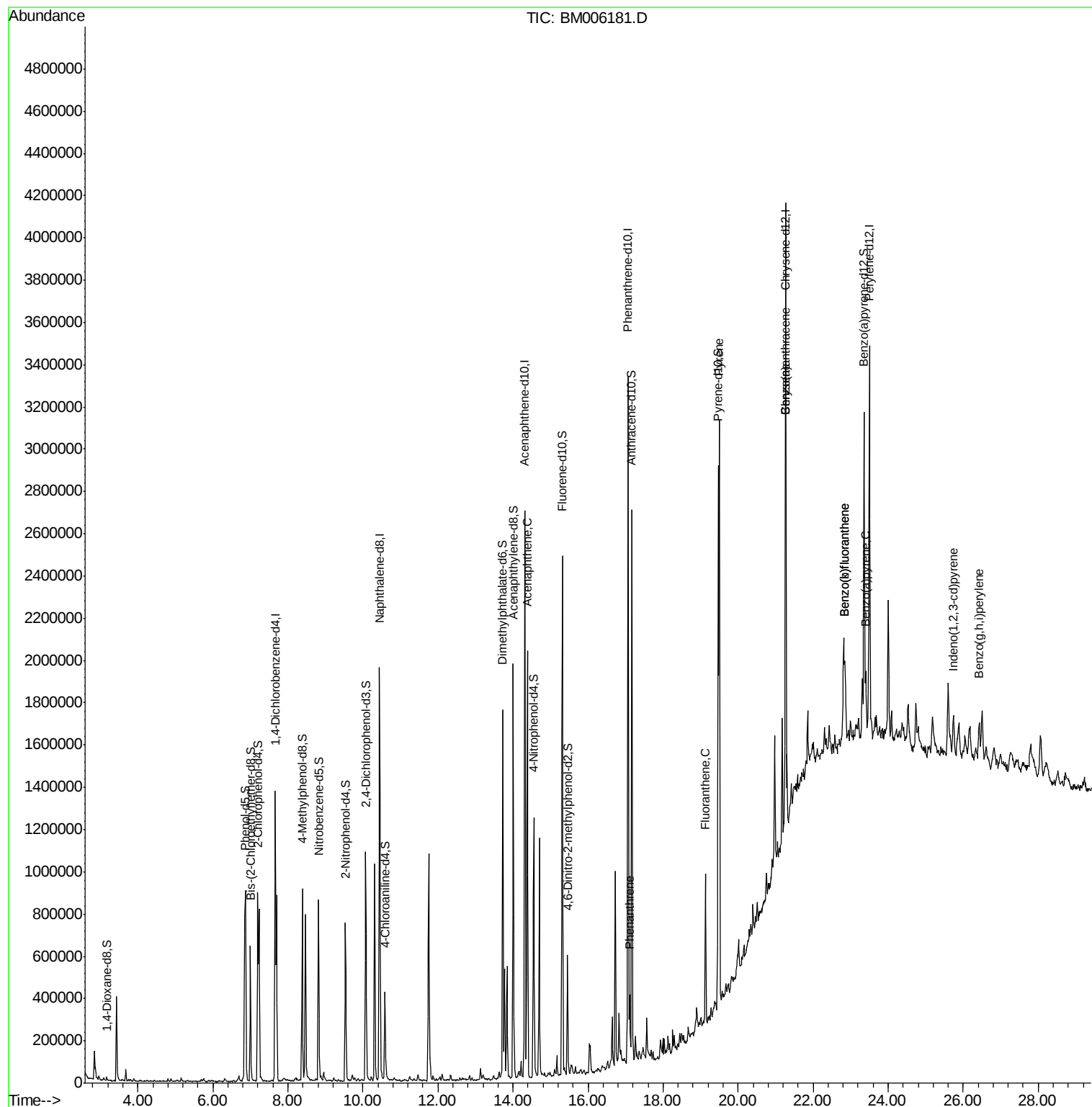
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) Acenaphthene	14.38	153	810388	15.53	ng/ul	99
25) Phenanthrene	17.11	178	174864	1.94	ng/ul	98
28) Fluoranthene	19.13	202	407811	3.70	ng/ul	99
31) Pyrene	19.50	202	1705952	22.65	ng/ul	97
32) Benzo(a)anthracene	21.25	228	171975	2.32	ng/ul	94
33) Chrysene	21.25	228	171975	2.52	ng/ul	97
35) Benzo(b)fluoranthene	22.83	252	270041	3.57	ng/ul#	91
36) Benzo(k)fluoranthene	22.83	252	270041	3.81	ng/ul#	92
38) Benzo(a)pyrene	23.40	252	188136	2.63	ng/ul#	92
39) Indeno(1,2,3-cd)pyrene	25.74	276	152808	2.06	ng/ul	96
41) Benzo(g,h,i)perylene	26.43	276	205708	3.31	ng/ul	95

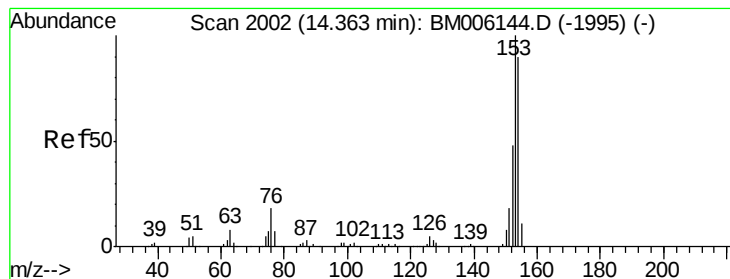
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#19

Acenaphthene

Concen: 15.53 ng/ul

RT: 14.38 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BM006181.D

Acq: 01 Jul 2016 14:14

Instrument :

BNA_M

ClientSampleId :

D9YC4MS

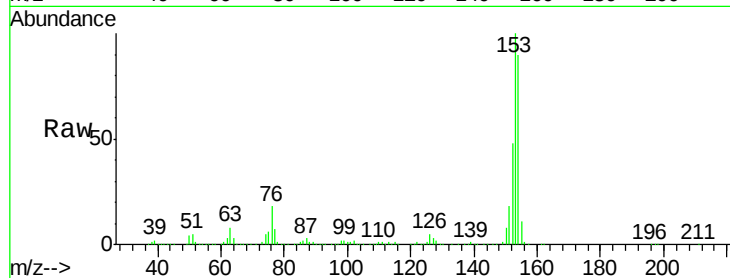
Tgt Ion:153 Resp: 810388

Ion Ratio Lower Upper

153 100

152 48.4 38.1 57.1

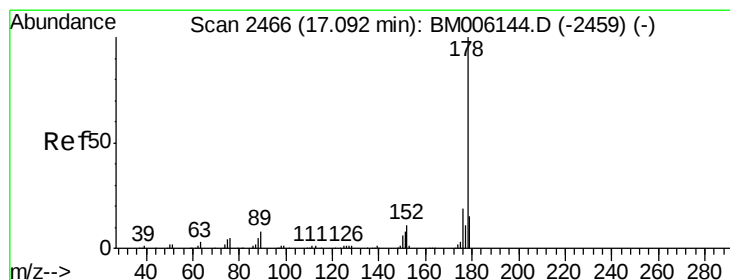
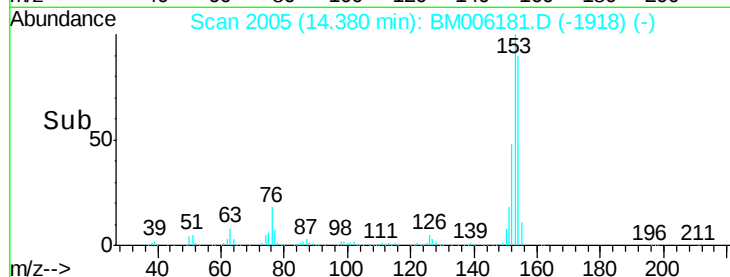
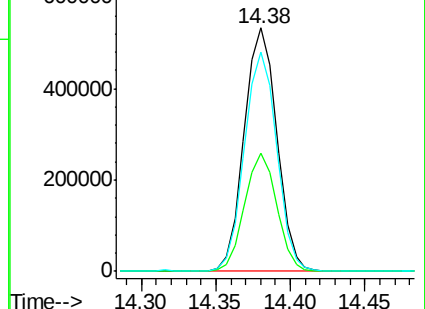
154 89.9 71.6 107.4



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: 1.94 ng/ul

RT: 17.11 min Scan# 2469

Delta R.T. 0.02 min

Lab File: BM006181.D

Acq: 01 Jul 2016 14:14

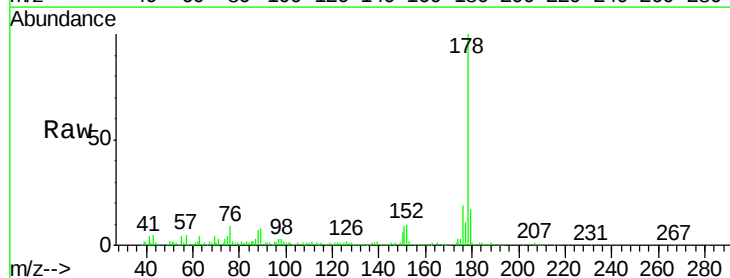
Tgt Ion:178 Resp: 174864

Ion Ratio Lower Upper

178 100

179 16.6 12.2 18.2

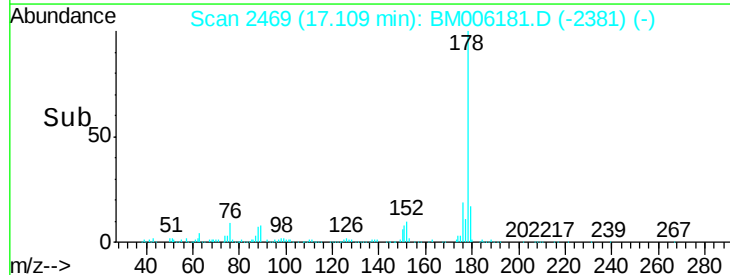
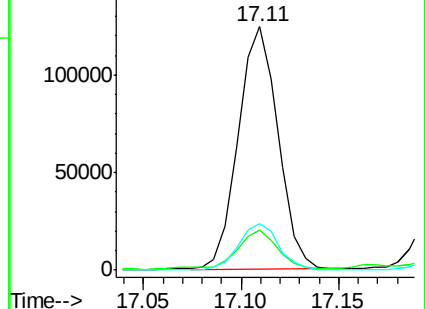
176 19.2 15.3 22.9

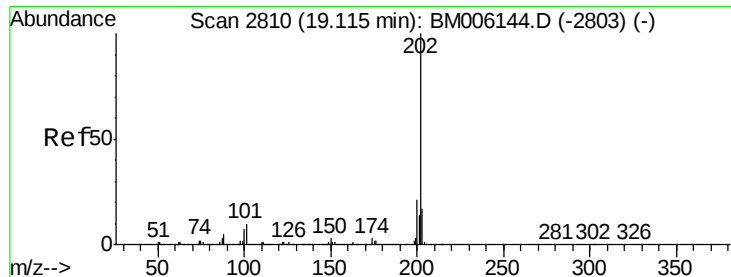


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 3.70 ng/ul

RT: 19.13 min Scan# 2813

Delta R.T. 0.02 min

Lab File: BM006181.D

Acq: 01 Jul 2016 14:14

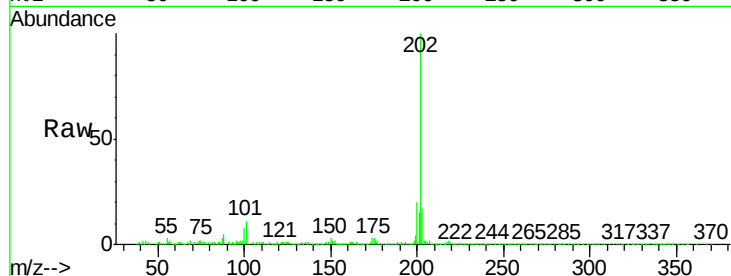
Instrument :

BNA_M

ClientSampleId :

D9YC4MS

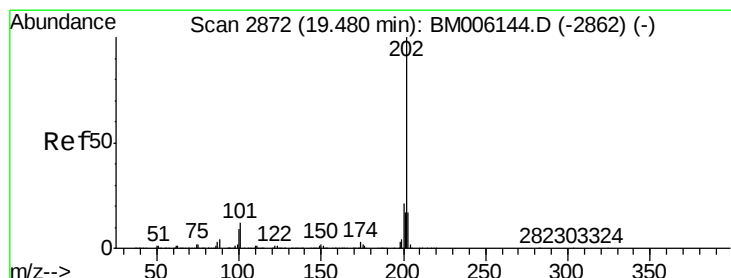
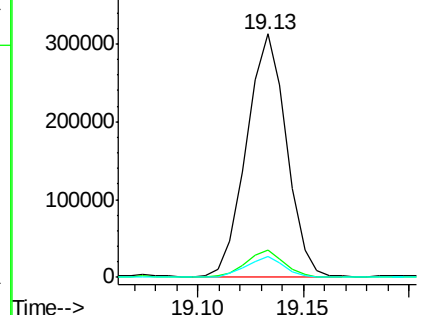
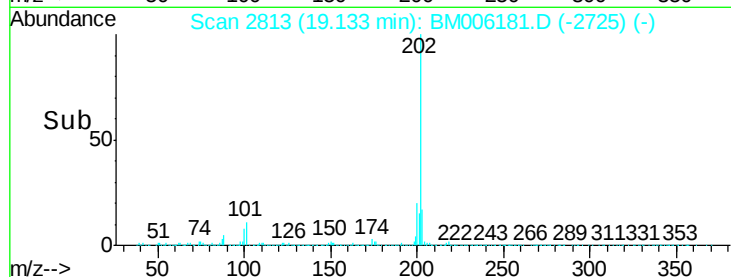
Tgt Ion:	202	Resp:	407811
Ion Ratio	Lower	Upper	
202	100		
101	11.2	8.5	12.7
100	8.4	6.5	9.7



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: 22.65 ng/ul

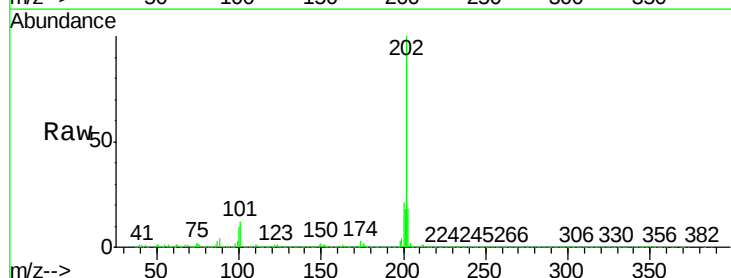
RT: 19.50 min Scan# 2875

Delta R.T. 0.02 min

Lab File: BM006181.D

Acq: 01 Jul 2016 14:14

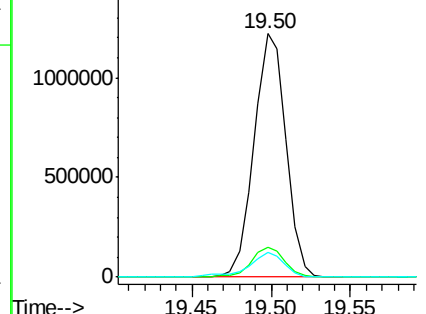
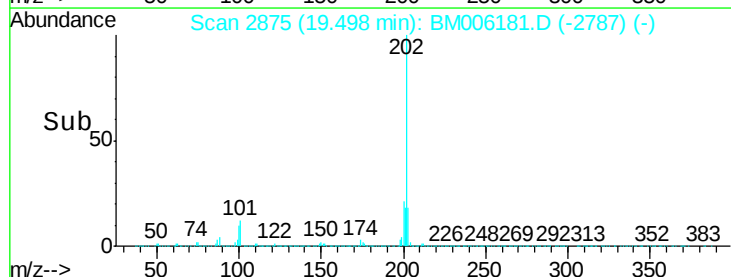
Tgt Ion:	202	Resp:	1705952
Ion Ratio	Lower	Upper	
202	100		
101	12.4	11.0	16.4
100	10.0	8.9	13.3

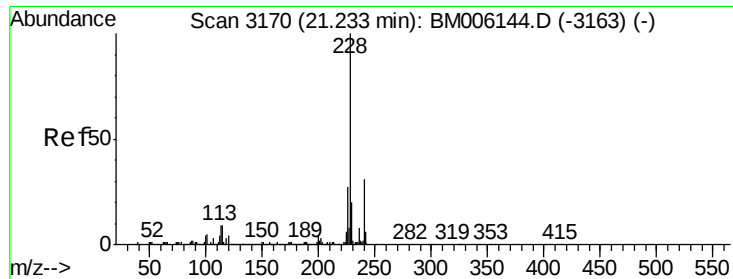


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 2.32 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. 0.02 min

Lab File: BM006181.D

Acq: 01 Jul 2016 14:14

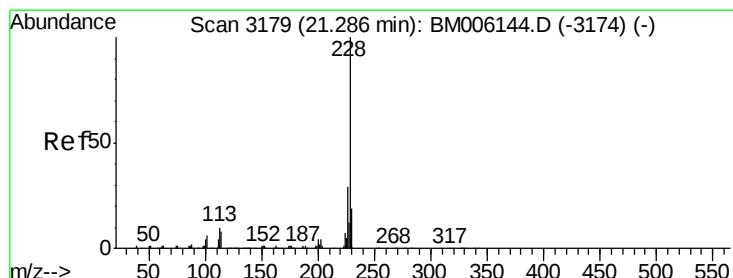
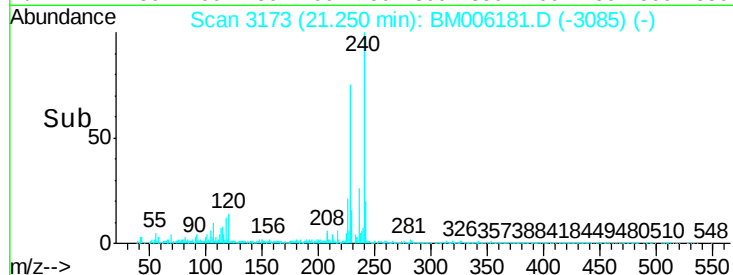
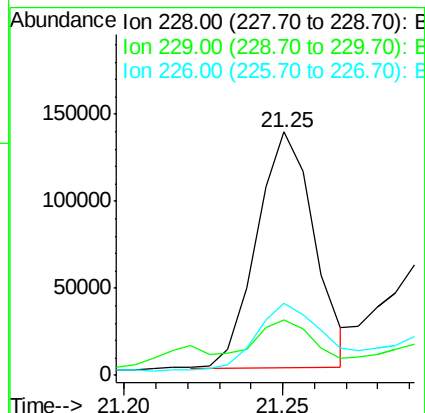
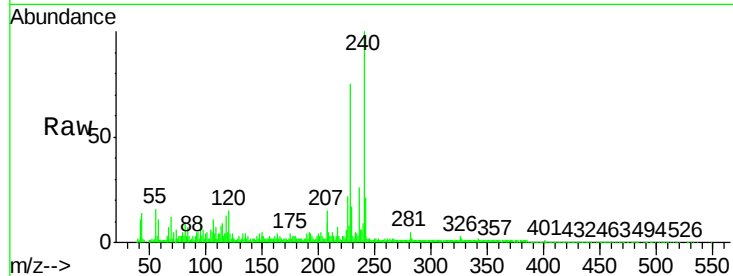
Instrument :

BNA_M

ClientSampleId :

D9YC4MS

Tgt Ion:	228	Resp:	171975
Ion	Ratio	Lower	Upper
228	100		
229	22.8	15.6	23.4
226	29.8	21.6	32.4



#33

Chrysene

Concen: 2.52 ng/ul

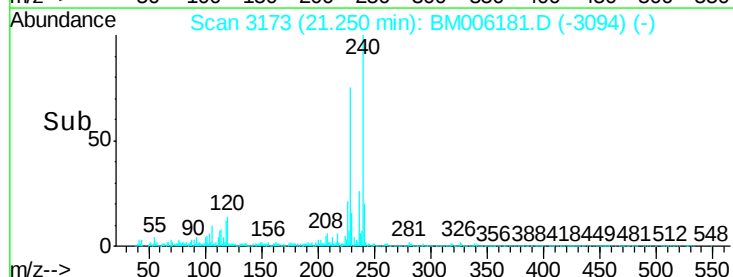
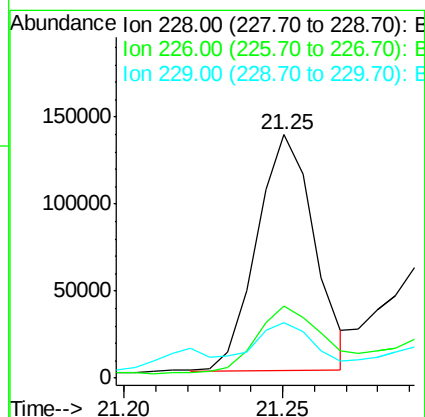
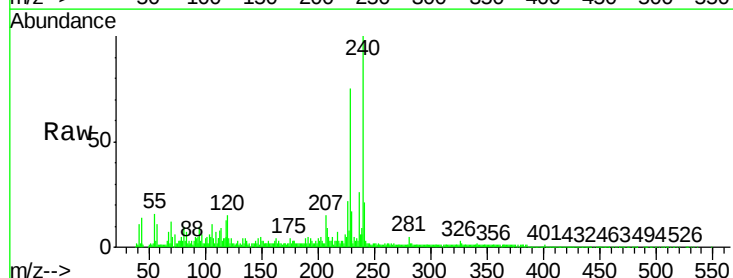
RT: 21.25 min Scan# 3173

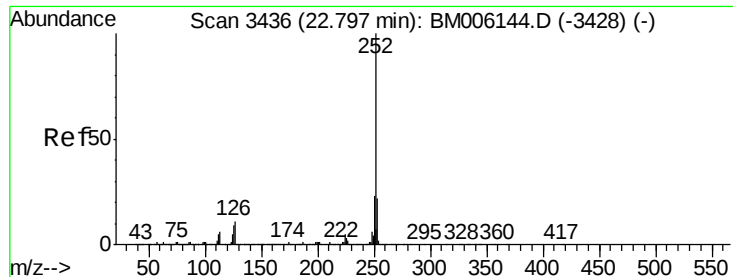
Delta R.T. -0.04 min

Lab File: BM006181.D

Acq: 01 Jul 2016 14:14

Tgt Ion:	228	Resp:	171975
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.6
229	22.8	15.8	23.6





#35

Benzo(b)fluoranthene

Concen: 3.57 ng/ul

RT: 22.83 min Scan# 3442

Delta R.T. 0.04 min

Lab File: BM006181.D

Acq: 01 Jul 2016 14:14

Instrument :

BNA_M

ClientSampleId :

D9YC4MS

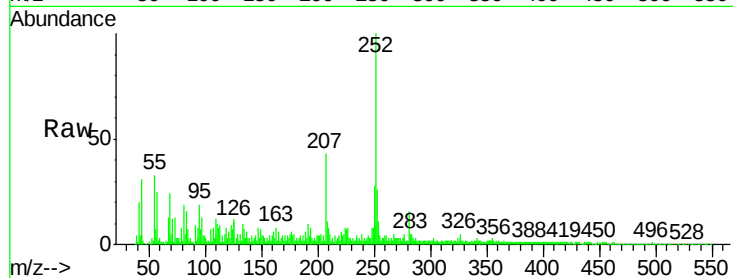
Tgt Ion:252 Resp: 270041

Ion Ratio Lower Upper

252 100

253 26.3 17.2 25.8#

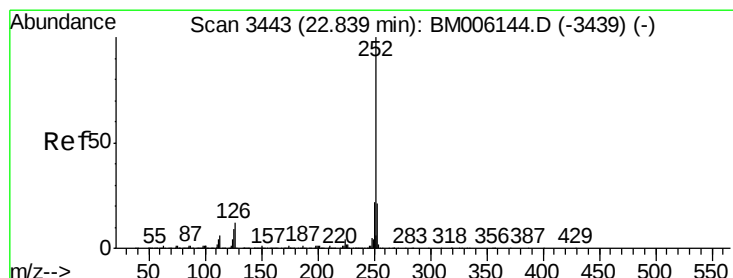
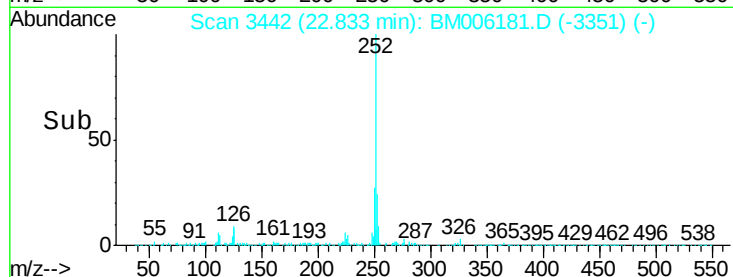
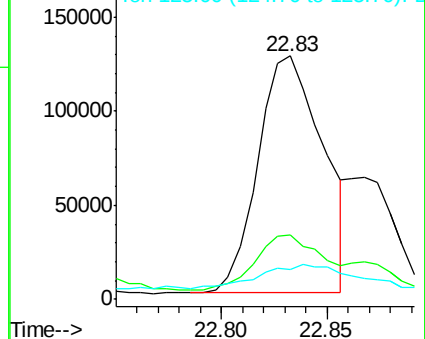
125 12.3 7.8 11.6#



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: 3.81 ng/ul

RT: 22.83 min Scan# 3442

Delta R.T. -0.01 min

Lab File: BM006181.D

Acq: 01 Jul 2016 14:14

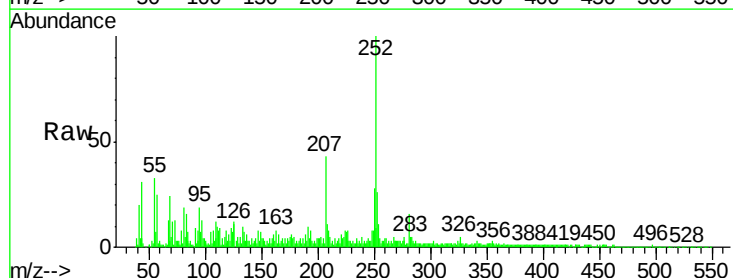
Tgt Ion:252 Resp: 270041

Ion Ratio Lower Upper

252 100

253 26.3 17.6 26.4

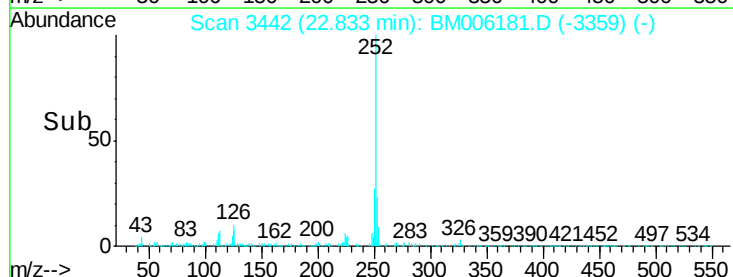
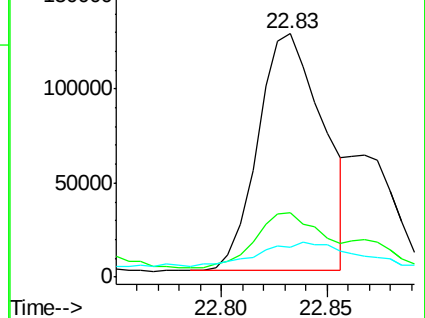
125 12.3 8.1 12.1#

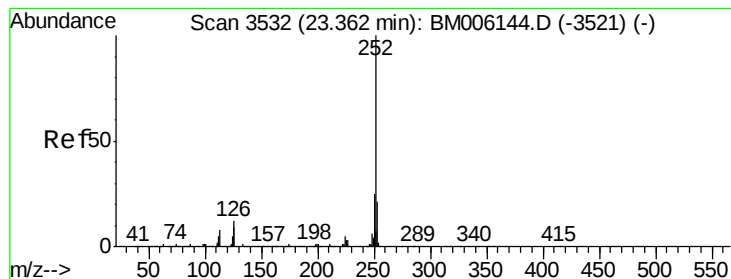


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 2.63 ng/ul

RT: 23.40 min Scan# 3539

Delta R.T. 0.04 min

Lab File: BM006181.D

Acq: 01 Jul 2016 14:14

Instrument :

BNA_M

ClientSampleId :

D9YC4MS

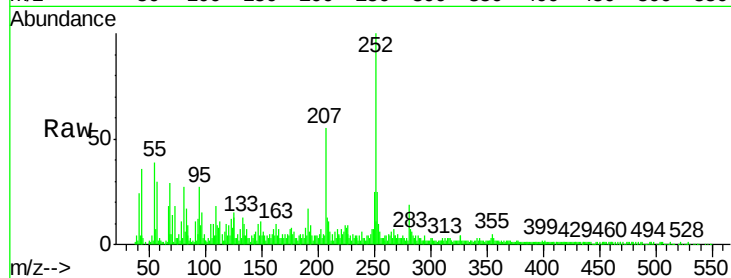
Tgt Ion:252 Resp: 188136

Ion Ratio Lower Upper

252 100

253 25.2 17.8 26.6

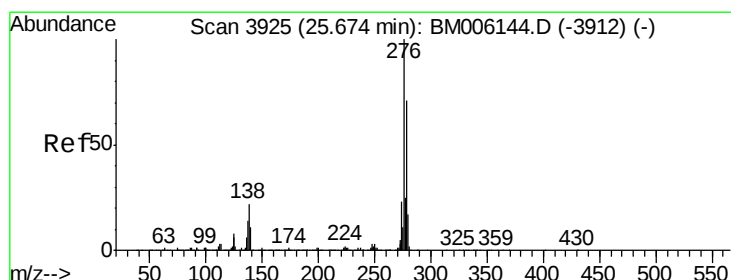
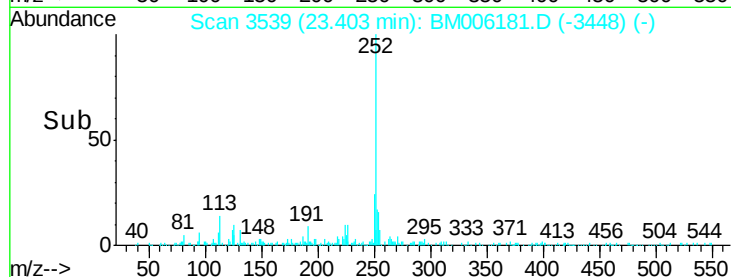
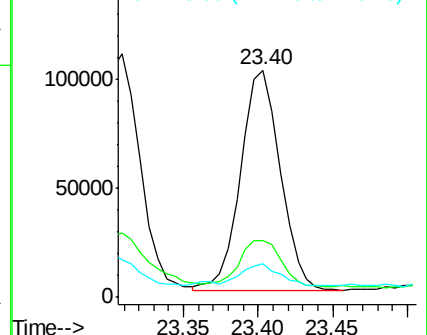
125 14.7 8.7 13.1#



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 2.06 ng/ul

RT: 25.74 min Scan# 3937

Delta R.T. 0.06 min

Lab File: BM006181.D

Acq: 01 Jul 2016 14:14

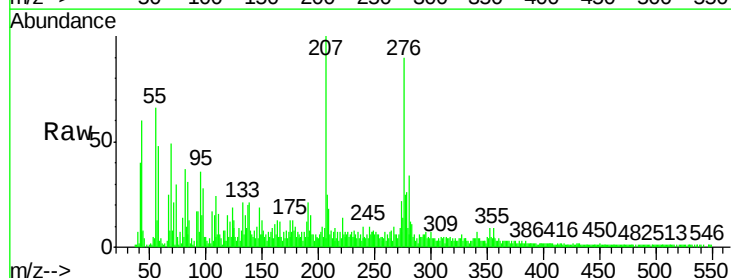
Tgt Ion:276 Resp: 152808

Ion Ratio Lower Upper

276 100

138 23.1 20.4 30.6

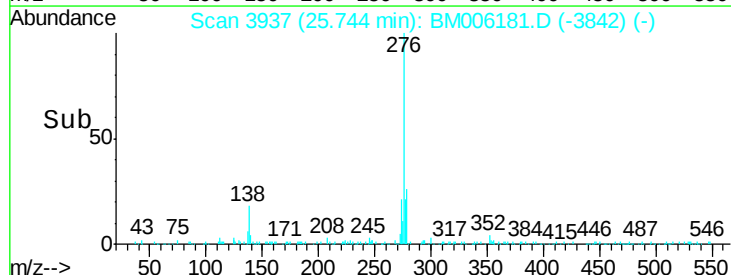
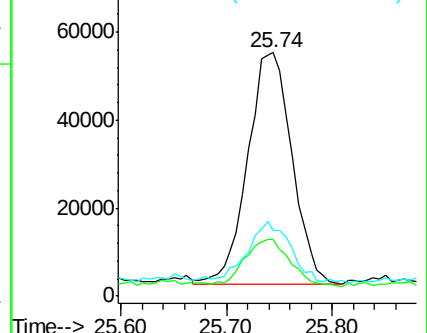
277 27.2 20.6 30.8

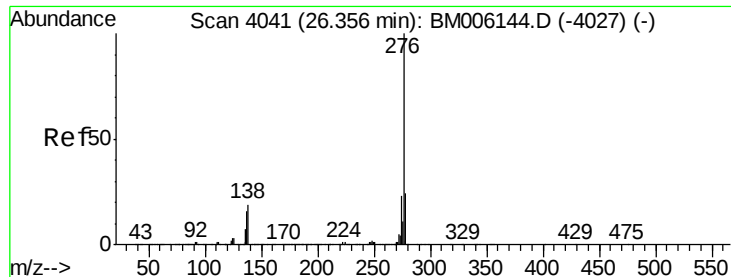


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#41

Benzo(g,h,i)perylene

Concen: 3.31 ng/ul

RT: 26.43 min Scan# 4054

Delta R.T. 0.08 min

Lab File: BM006181.D

Acq: 01 Jul 2016 14:14

Instrument :

BNA_M

ClientSampleId :

D9YC4MS

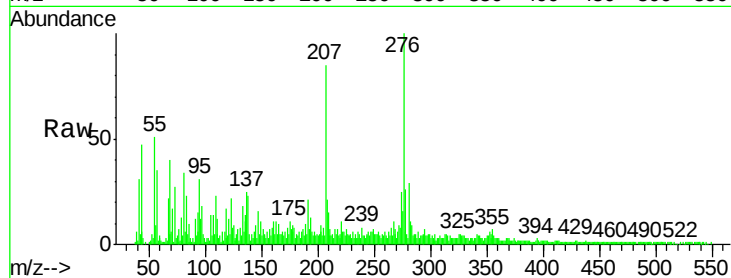
Tgt Ion: 276 Resp: 205708

Ion Ratio Lower Upper

276 100

138 22.8 16.6 25.0

277 26.2 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

