

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080616\
 Data File : BM006967.D
 Acq On : 07 Aug 2016 09:18
 Operator : UM/SJ
 Sample : H4302-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA0F5

Quant Time: Aug 08 03:55:24 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080616.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 08 03:51:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	214246	20.00	ng/ul	0.00
7) Naphthalene-d8	10.32	136	1035140	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.20	164	670062	20.00	ng/ul	0.00
23) Phenanthrene-d10	16.96	188	1550293	20.00	ng/ul	0.00
29) Chrysene-d12	21.17	240	1296659	20.00	ng/ul	0.00
34) Perylene-d12	23.36	264	1056617	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.09	96	6930	1.48	ng/uL	0.00
3) Phenol-d5	6.77	99	298090	14.67	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.90	67	229463	18.01	ng/ul	0.00
5) 2-Chlorophenol-d4	7.10	132	249190	17.18	ng/ul	0.00
6) 4-Methylphenol-d8	8.29	113	229388	13.53	ng/ul	0.00
8) Nitrobenzene-d5	8.72	128	137631	17.90	ng/ul	0.00
9) 2-Nitrophenol-d4	9.43	143	158633	17.23	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	9.98	165	286044	16.39	ng/ul	0.00
12) 4-Chloroaniline-d4	10.49	131	295368	14.17	ng/ul	0.00
16) Dimethylphthalate-d6	13.63	166	1065080	18.06	ng/ul	0.00
17) Acenaphthylene-d8	13.90	160	1287126	18.87	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	91195	10.66	ng/ul	0.03
21) Fluorene-d10	15.20	176	926842	18.49	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.37	200	116595	18.21	ng/ul	0.00
26) Anthracene-d10	17.06	188	1400267	18.70	ng/ul	0.00
30) Pyrene-d10	19.37	212	1477769	23.91	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.22	264	929117	18.46	ng/ul	0.00

Target Compounds

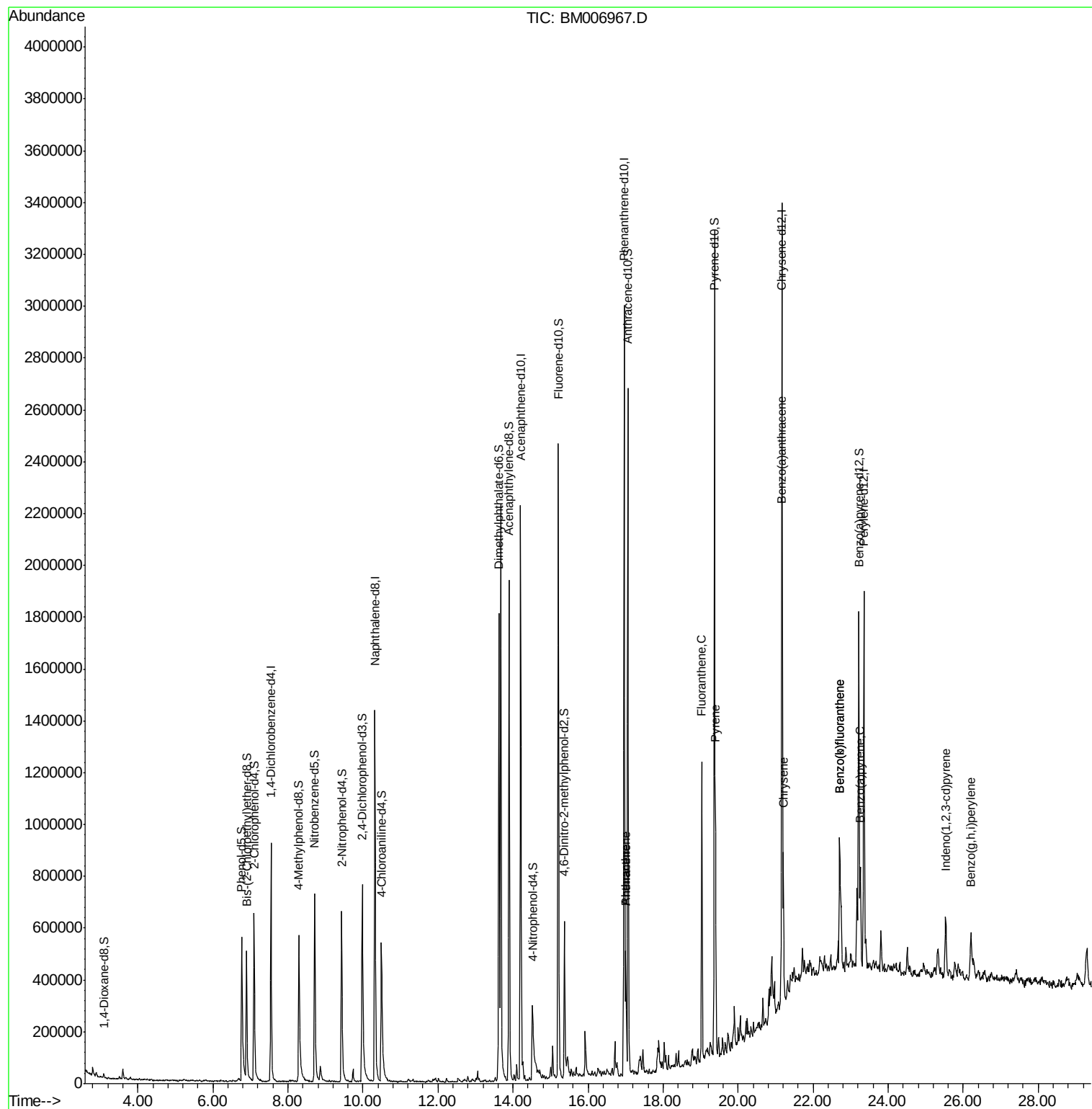
						Qvalue
25) Phenanthrene	17.00	178	260390	3.00	ng/ul	99
27) Anthracene	17.00	178	260390	2.87	ng/ul	98
28) Fluoranthene	19.03	202	664692	6.30	ng/ul#	98
31) Pyrene	19.40	202	589640	7.32	ng/ul	97
32) Benzo(a)anthracene	21.16	228	314966	4.09	ng/ul	95
33) Chrysene	21.21	228	306466	4.53	ng/ul	95
35) Benzo(b)fluoranthene	22.71	252	425312	6.17	ng/ul	98
36) Benzo(k)fluoranthene	22.71	252	425312	6.39	ng/ul	99
38) Benzo(a)pyrene	23.26	252	270740	4.33	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.53	276	202564	3.19	ng/ul	92
41) Benzo(g,h,i)perylene	26.20	276	190199	3.81	ng/ul	97

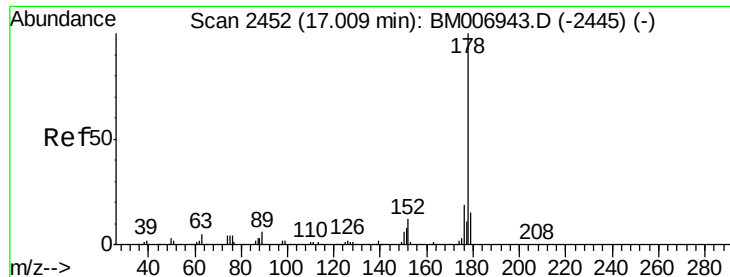
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 3.00 ng/ul

RT: 17.00 min Scan# 2451

Delta R.T. -0.01 min

Lab File: BM006967.D

Acq: 07 Aug 2016 09:18

Instrument :

BNA_M

ClientSampleId :

DA0F5

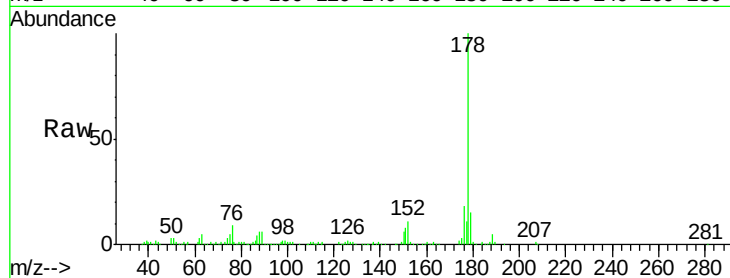
Tgt Ion:178 Resp: 260390

Ion Ratio Lower Upper

178 100

179 15.3 12.0 18.0

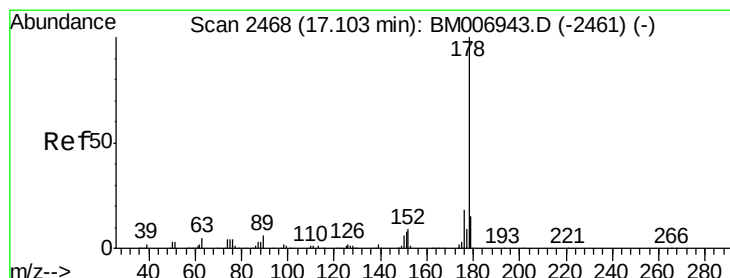
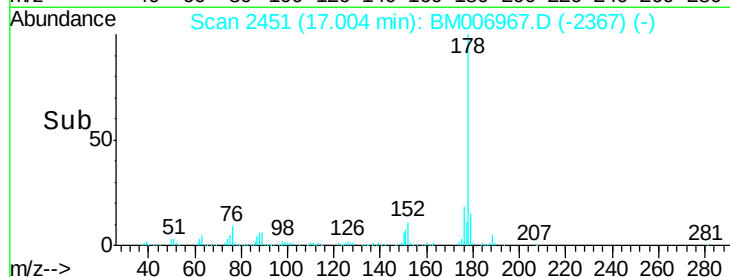
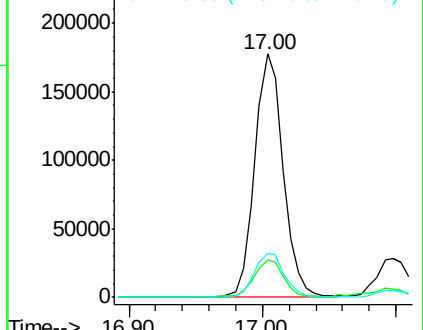
176 17.9 15.0 22.4



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: 2.87 ng/ul

RT: 17.00 min Scan# 2451

Delta R.T. -0.10 min

Lab File: BM006967.D

Acq: 07 Aug 2016 09:18

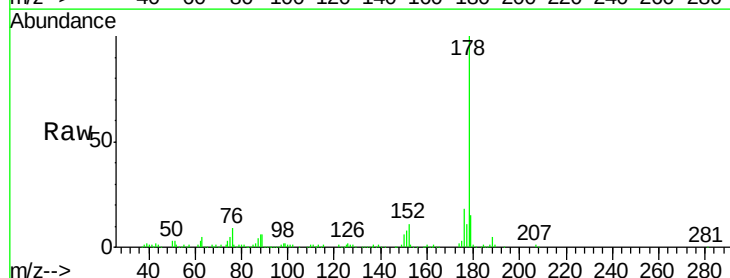
Tgt Ion:178 Resp: 260390

Ion Ratio Lower Upper

178 100

179 15.3 12.5 18.7

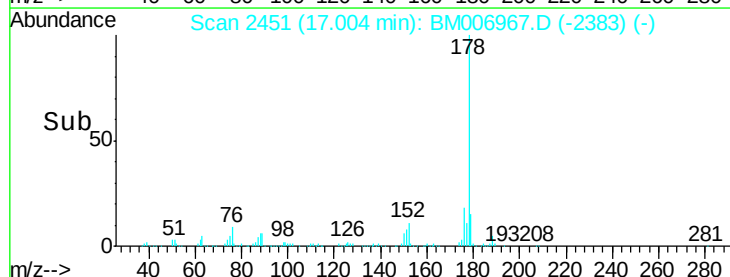
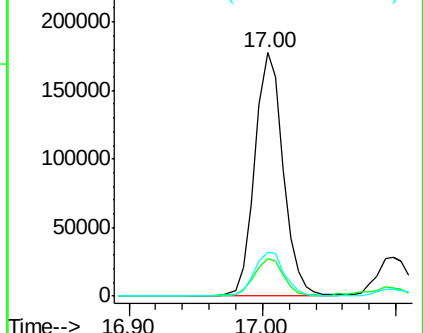
176 17.9 15.4 23.0

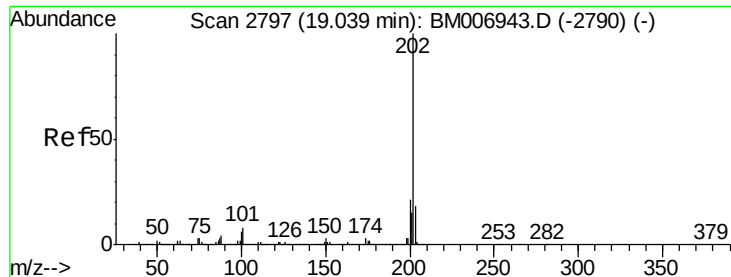


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

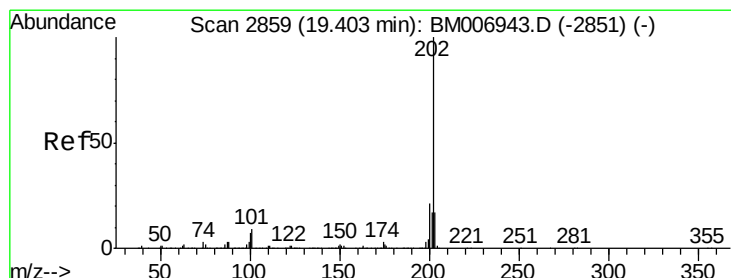
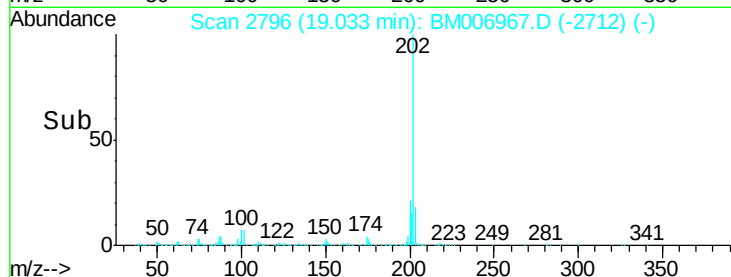
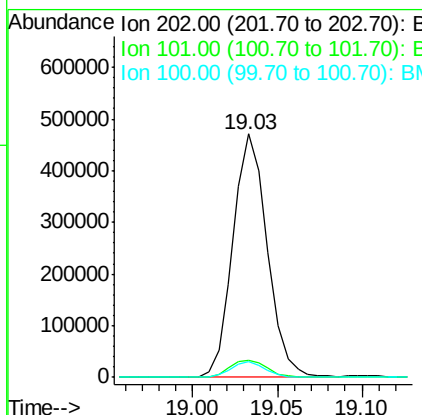
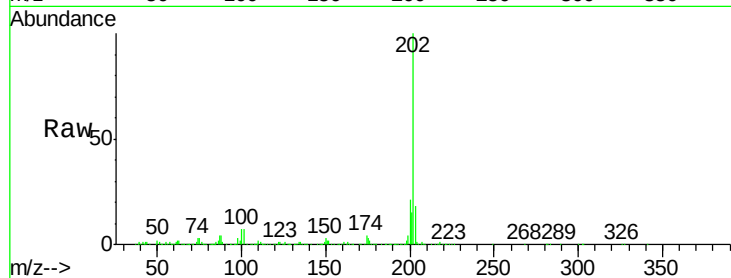




#28
 Fluoranthene
 Concen: 6.30 ng/ul
 RT: 19.03 min Scan# 2796
 Delta R.T. -0.01 min
 Lab File: BM006967.D
 Acq: 07 Aug 2016 09:18

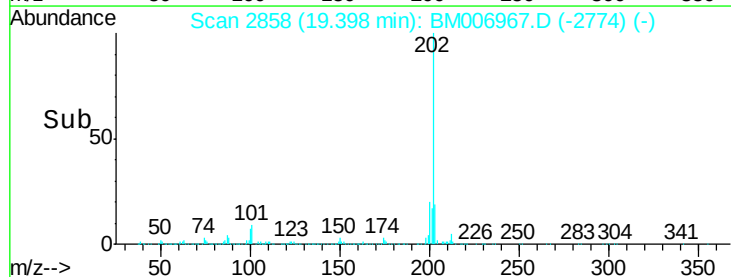
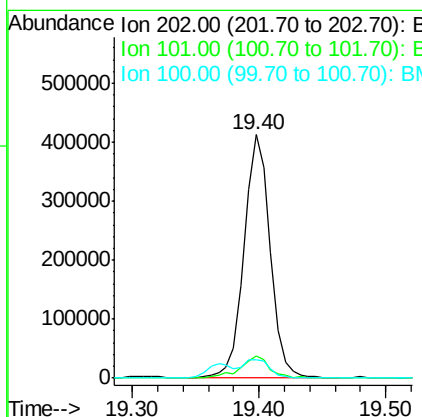
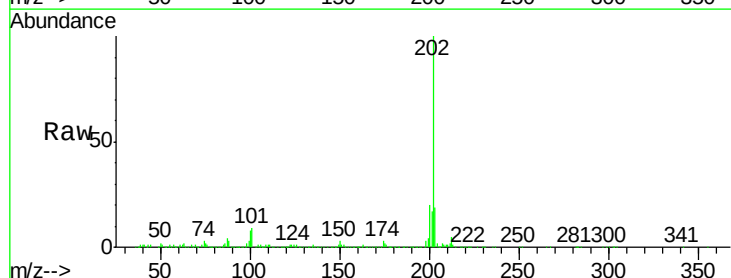
Instrument :
 BNA_M
 ClientSampleId :
 DA0F5

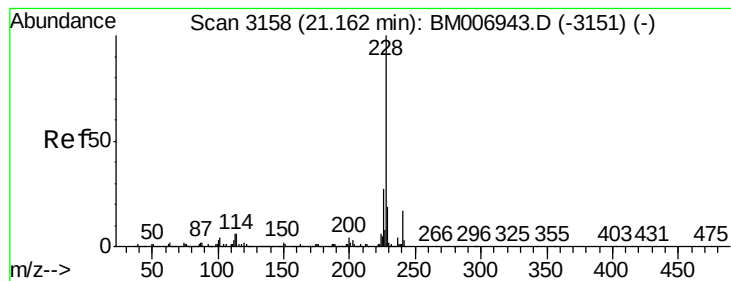
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.2	5.6	8.4
100	6.6	4.2	6.4



#31
 Pyrene
 Concen: 7.32 ng/ul
 RT: 19.40 min Scan# 2858
 Delta R.T. -0.01 min
 Lab File: BM006967.D
 Acq: 07 Aug 2016 09:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	6.4	9.6
100	7.6	5.4	8.2





#32

Benzo(a)anthracene

Concen: 4.09 ng/ul

RT: 21.16 min Scan# 3157

Delta R.T. -0.01 min

Lab File: BM006967.D

Acq: 07 Aug 2016 09:18

Instrument :

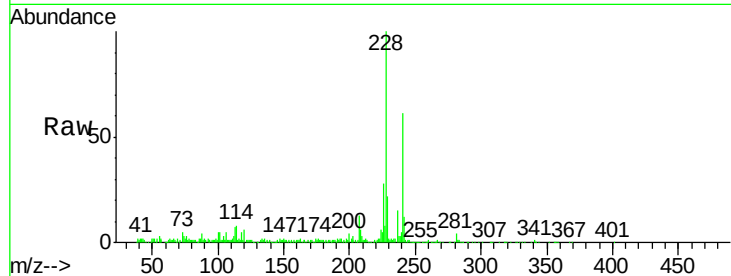
BNA_M

ClientSampleId :

DA0F5

Tgt Ion:228 Resp: 314966

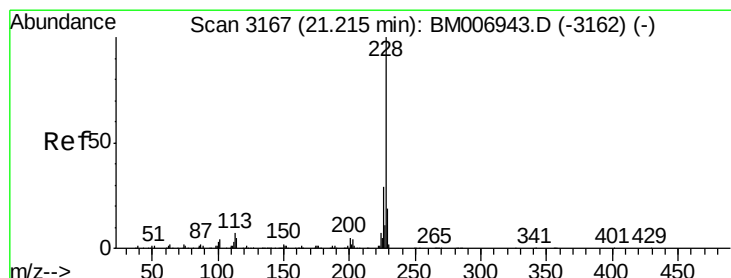
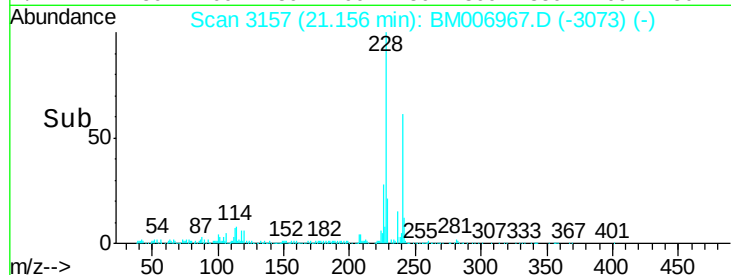
Ion	Ratio	Lower	Upper
228	100		
229	22.2	15.2	22.8
226	28.1	21.3	31.9



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: 4.53 ng/ul

RT: 21.21 min Scan# 3166

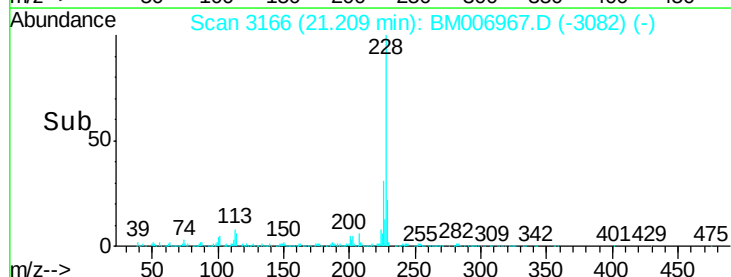
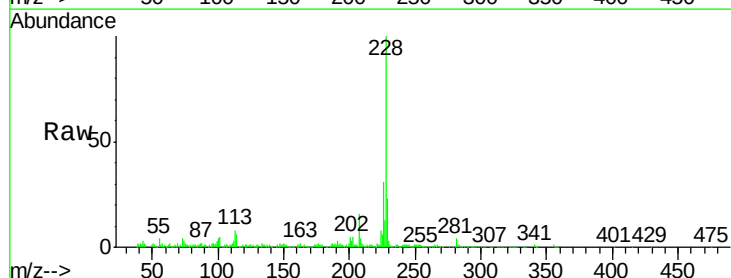
Delta R.T. -0.01 min

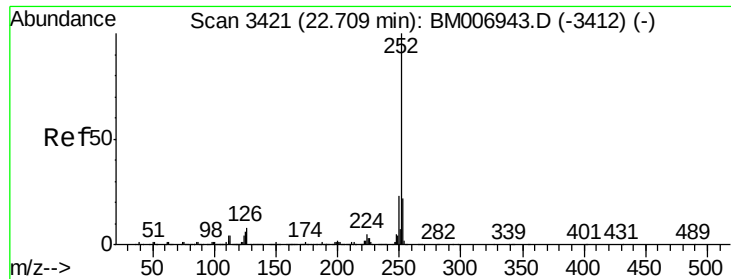
Lab File: BM006967.D

Acq: 07 Aug 2016 09:18

Tgt Ion:228 Resp: 306466

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.8	35.6
229	22.5	15.1	22.7





#35

Benzo(b)fluoranthene

Concen: 6.17 ng/ul

RT: 22.71 min Scan# 3421

Delta R.T. 0.00 min

Lab File: BM006967.D

Acq: 07 Aug 2016 09:18

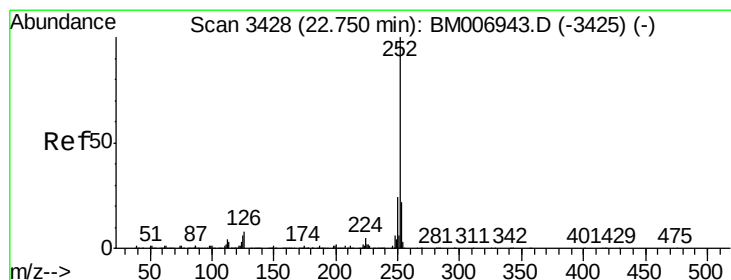
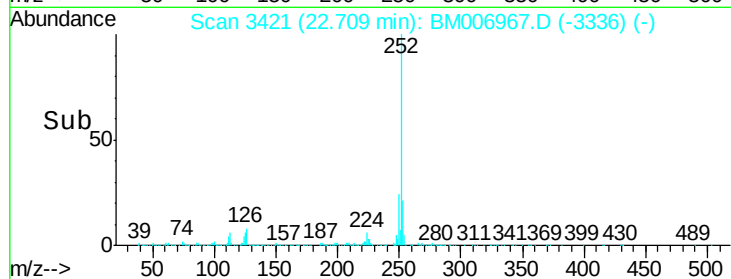
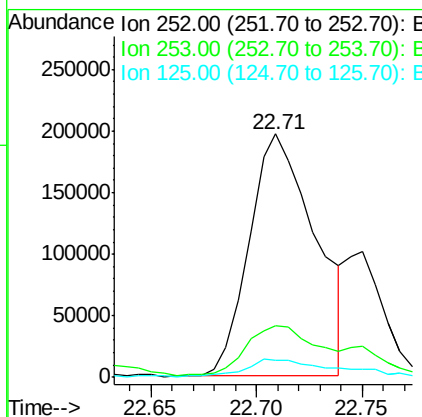
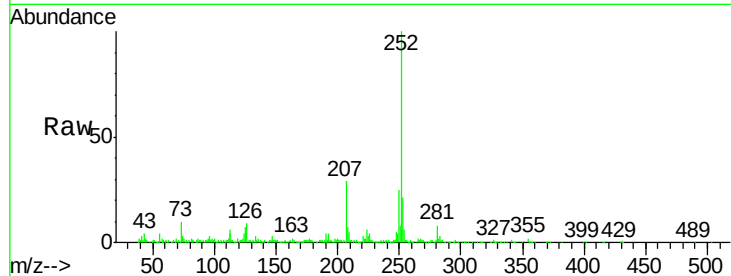
Instrument :

BNA_M

ClientSampleId :

DA0F5

Tgt Ion:	252	Resp:	425312
Ion Ratio	Lower	Upper	
252	100		
253	21.0	17.6	26.4
125	7.0	5.1	7.7



#36

Benzo(k)fluoranthene

Concen: 6.39 ng/ul

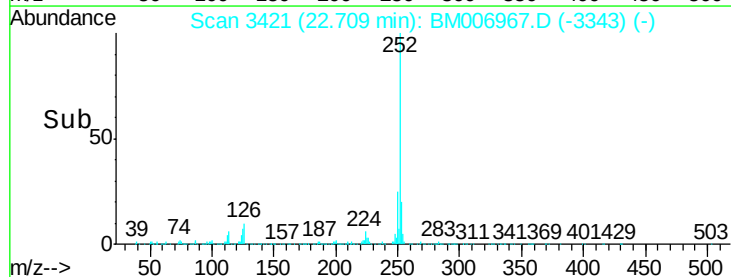
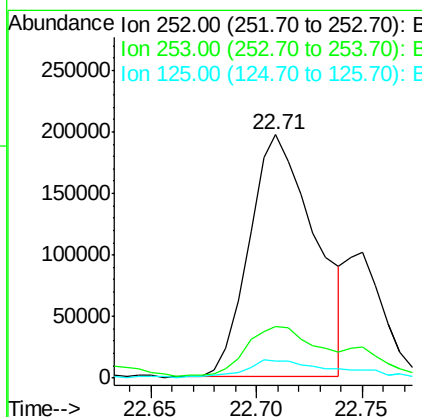
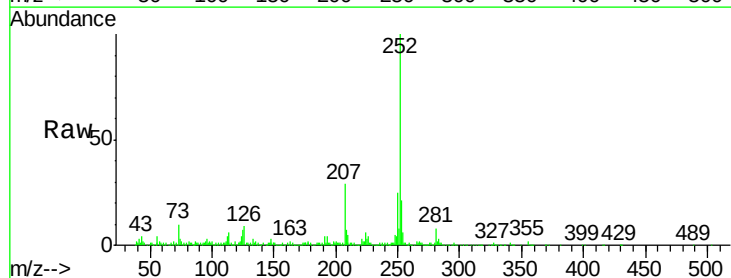
RT: 22.71 min Scan# 3421

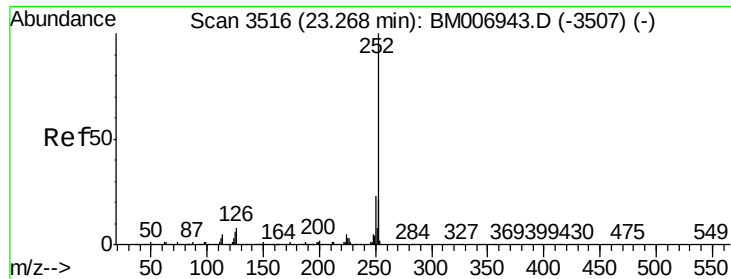
Delta R.T. -0.04 min

Lab File: BM006967.D

Acq: 07 Aug 2016 09:18

Tgt Ion:	252	Resp:	425312
Ion Ratio	Lower	Upper	
252	100		
253	21.0	17.2	25.8
125	7.0	5.1	7.7





#38

Benzo(a)pyrene

Concen: 4.33 ng/ul

RT: 23.26 min Scan# 3515

Delta R.T. -0.01 min

Lab File: BM006967.D

Acq: 07 Aug 2016 09:18

Instrument :

BNA_M

ClientSampleId :

DA0F5

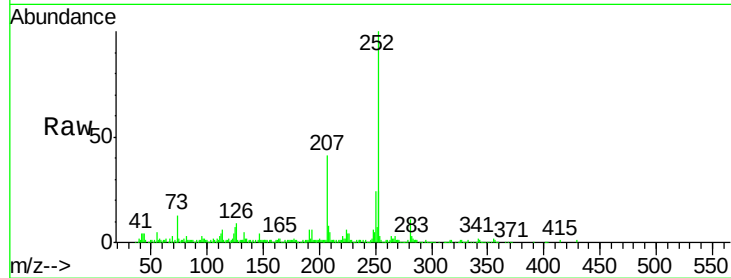
Tgt Ion:252 Resp: 270740

Ion Ratio Lower Upper

252 100

253 24.3 18.2 27.2

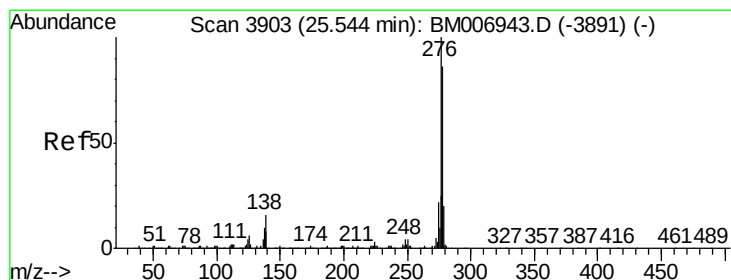
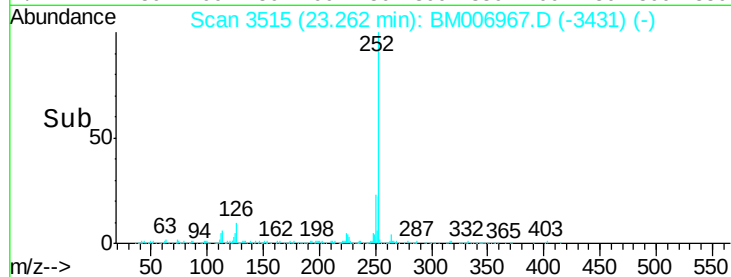
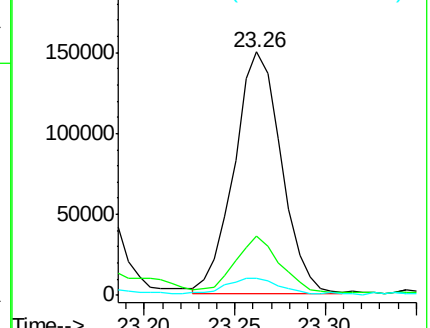
125 6.9 5.6 8.4



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: 3.19 ng/ul

RT: 25.53 min Scan# 3901

Delta R.T. -0.01 min

Lab File: BM006967.D

Acq: 07 Aug 2016 09:18

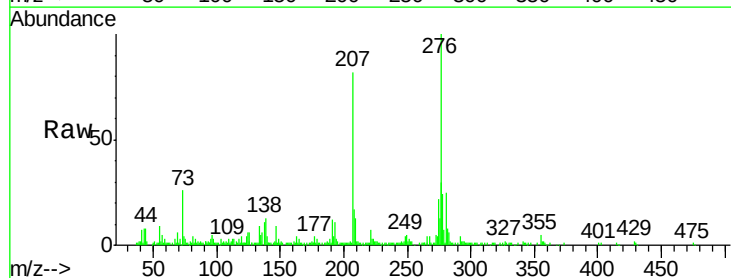
Tgt Ion:276 Resp: 202564

Ion Ratio Lower Upper

276 100

138 13.2 12.6 19.0

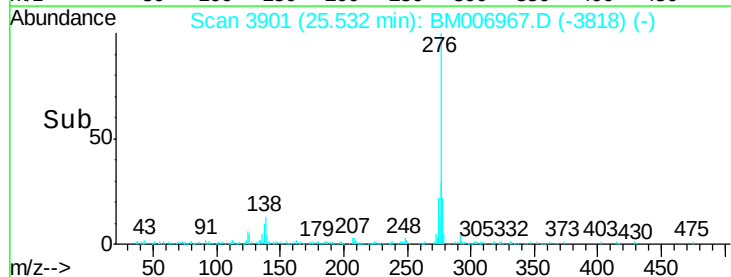
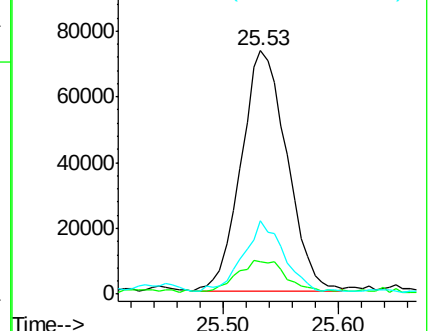
277 30.4 20.3 30.5

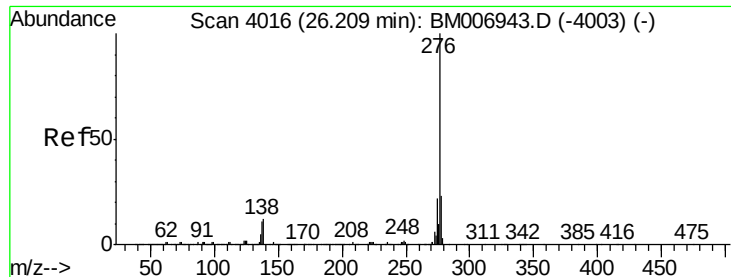


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#41

Benzo(g,h,i)perylene

Concen: 3.81 ng/ul

RT: 26.20 min Scan# 4015

Delta R.T. -0.01 min

Lab File: BM006967.D

Acq: 07 Aug 2016 09:18

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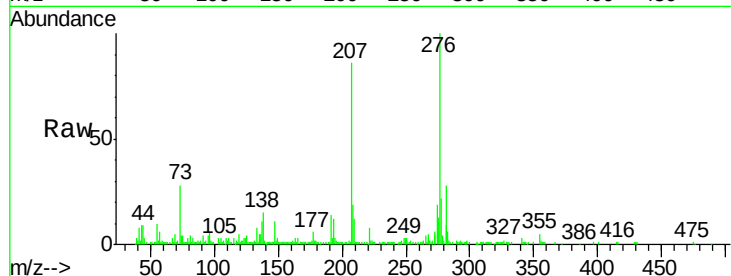
Tgt Ion: 276 Resp: 190199

Ion Ratio Lower Upper

276 100

138 14.6 10.9 16.3

277 21.7 18.6 27.8



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

