

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080616\
 Data File : BM006948.D
 Acq On : 06 Aug 2016 21:21
 Operator : UM/SJ
 Sample : H4301-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA0F4

Quant Time: Aug 08 04:06:06 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	179561	20.00	ng/ul	0.00
7) Naphthalene-d8	10.33	136	883185	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.20	164	594588	20.00	ng/ul	0.00
23) Phenanthrene-d10	16.97	188	1428208	20.00	ng/ul	0.00
29) Chrysene-d12	21.17	240	1442997	20.00	ng/ul	0.00
34) Perylene-d12	23.36	264	1100616	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.09	96	3408	0.87	ng/uL	0.00
3) Phenol-d5	6.77	99	185467	10.89	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.90	67	143062	13.40	ng/ul	0.00
5) 2-Chlorophenol-d4	7.10	132	155640	12.81	ng/ul	0.00
6) 4-Methylphenol-d8	8.30	113	139403	9.81	ng/ul	0.01
8) Nitrobenzene-d5	8.72	128	92166	14.05	ng/ul	0.00
9) 2-Nitrophenol-d4	9.44	143	104761	13.34	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	9.99	165	175519	11.79	ng/ul	0.01
12) 4-Chloroaniline-d4	10.50	131	215277	12.11	ng/ul	0.01
16) Dimethylphthalate-d6	13.63	166	779525	14.90	ng/ul	0.00
17) Acenaphthylene-d8	13.90	160	908632	15.01	ng/ul	0.00
20) 4-Nitrophenol-d4	14.54	143	45681	6.02	ng/ul	0.05
21) Fluorene-d10	15.21	176	683207	15.36	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.37	200	49855	8.45	ng/ul	0.00
26) Anthracene-d10	17.07	188	1049163	15.20	ng/ul	0.00
30) Pyrene-d10	19.37	212	1218714	17.72	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.22	264	799349	15.25	ng/ul	0.00

Target Compounds

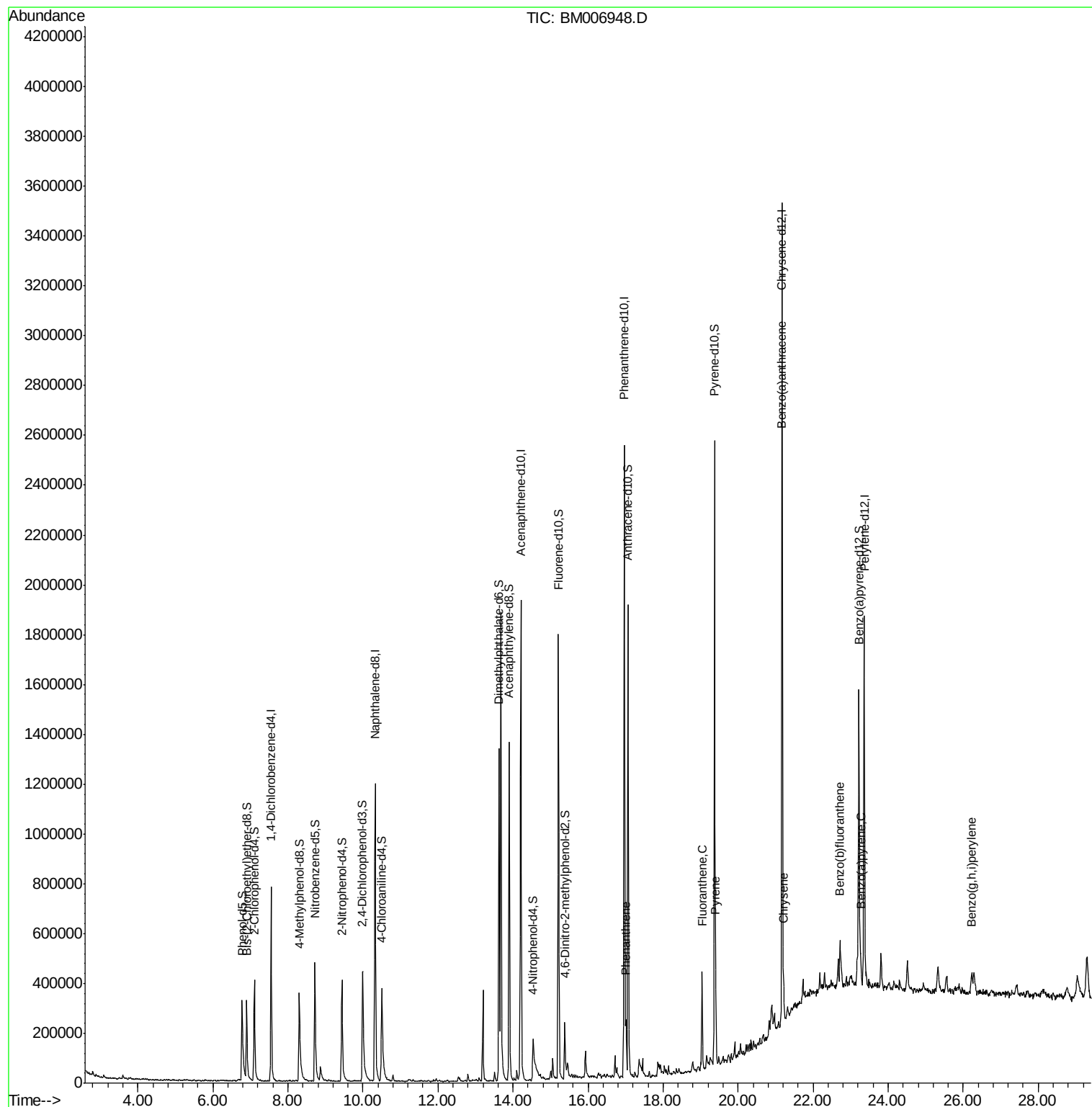
						Qvalue
25) Phenanthrene	17.01	178	111246	1.39	ng/ul	96
28) Fluoranthene	19.04	202	227523	2.34	ng/ul	98
31) Pyrene	19.40	202	197852	2.21	ng/ul	99
32) Benzo(a)anthracene	21.16	228	108770	1.27	ng/ul	97
33) Chrysene	21.22	228	114755	1.52	ng/ul	97
35) Benzo(b)fluoranthene	22.72	252	139335	1.94	ng/ul	98
38) Benzo(a)pyrene	23.27	252	89443	1.37	ng/ul	98
41) Benzo(g,h,i)perylene	26.22	276	66675	1.28	ng/ul	95

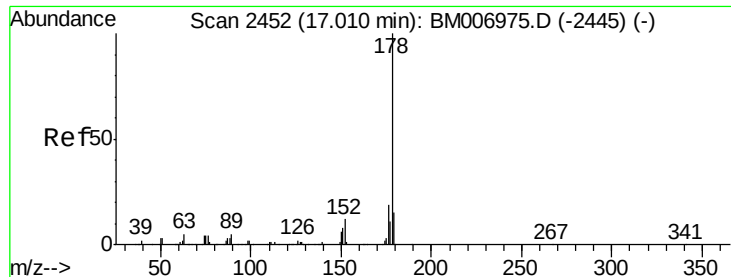
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080616\
Data File : BM006948.D
Acq On : 06 Aug 2016 21:21
Operator : UM/SJ
Sample : H4301-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA0F4

Quant Time: Aug 08 04:06:06 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





#25

Phenanthrene

Concen: 1.39 ng/ul

RT: 17.01 min Scan# 2452

Delta R.T. 0.00 min

Lab File: BM006948.D

Acq: 06 Aug 2016 21:21

Instrument :

BNA_M

ClientSampleId :

DA0F4

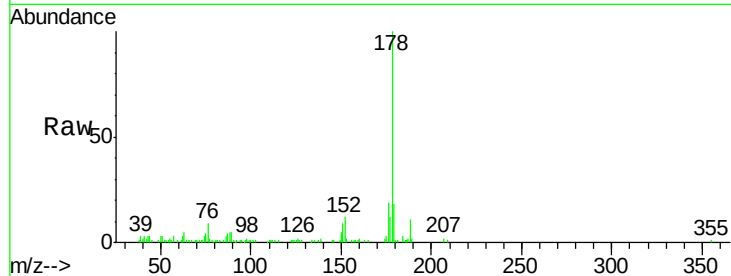
Tgt Ion:178 Resp: 111246

Ion Ratio Lower Upper

178 100

179 17.7 12.0 18.0

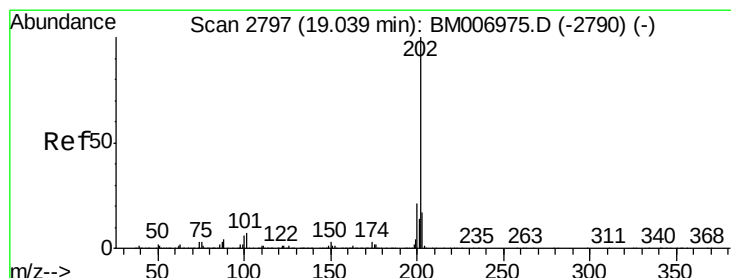
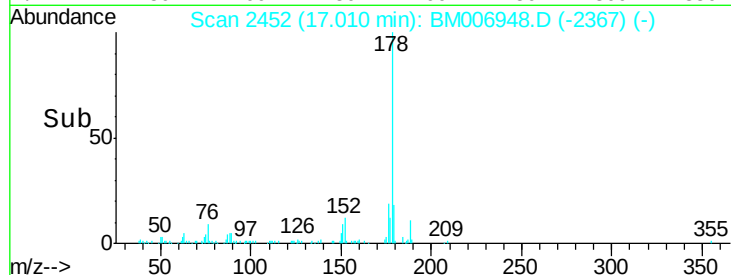
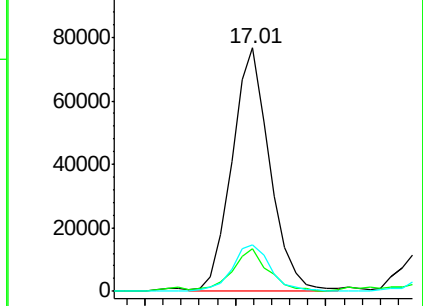
176 19.2 15.0 22.4



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



#28

Fluoranthene

Concen: 2.34 ng/ul

RT: 19.04 min Scan# 2797

Delta R.T. 0.00 min

Lab File: BM006948.D

Acq: 06 Aug 2016 21:21

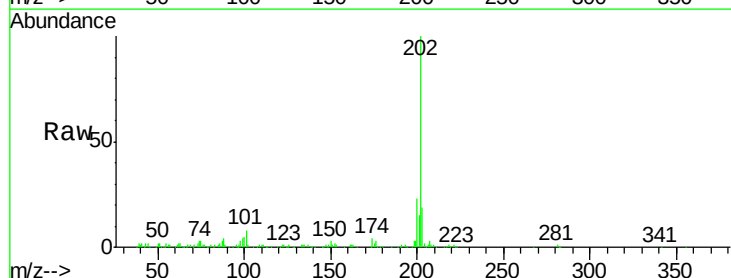
Tgt Ion:202 Resp: 227523

Ion Ratio Lower Upper

202 100

101 8.0 5.6 8.4

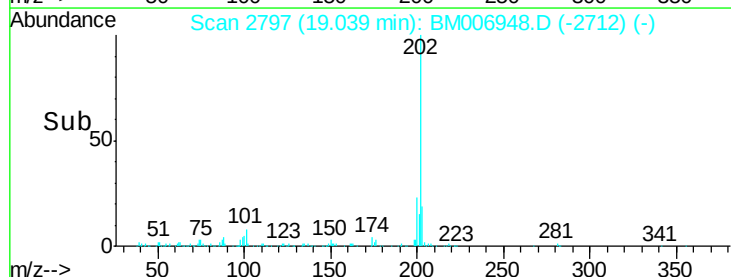
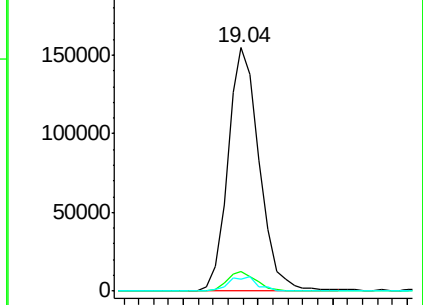
100 5.1 4.2 6.4

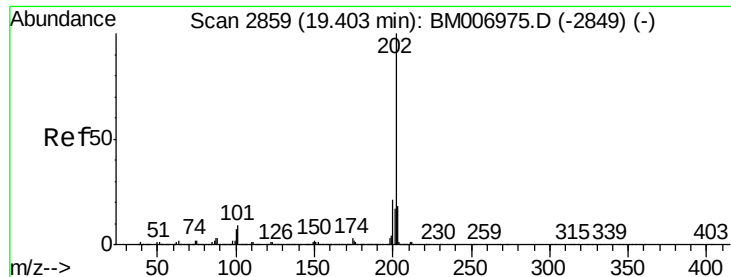


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pyrene

Concen: 2.21 ng/ul

RT: 19.40 min Scan# 2859

Delta R.T. 0.00 min

Lab File: BM006948.D

Acq: 06 Aug 2016 21:21

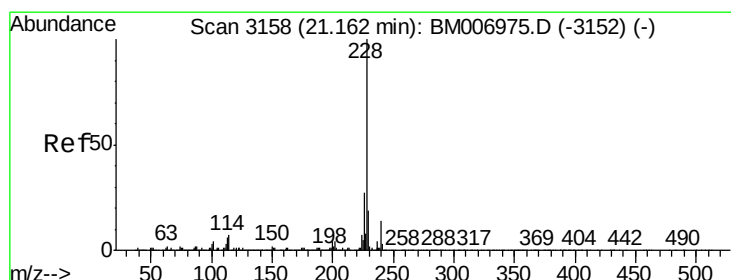
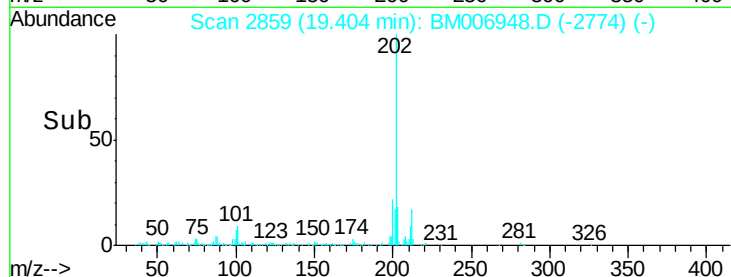
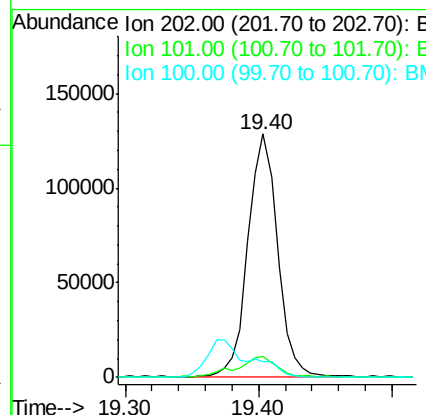
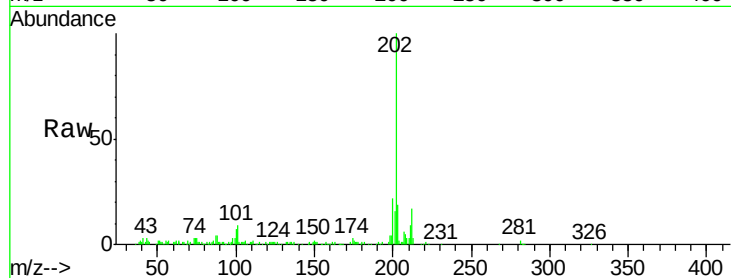
Instrument :

BNA_M

ClientSampleId :

DA0F4

Tgt Ion:	202	Resp:	197852
Ion Ratio	Lower	Upper	
202	100		
101	8.7	6.4	9.6
100	6.7	5.4	8.2



#32

Benzo(a)anthracene

Concen: 1.27 ng/ul

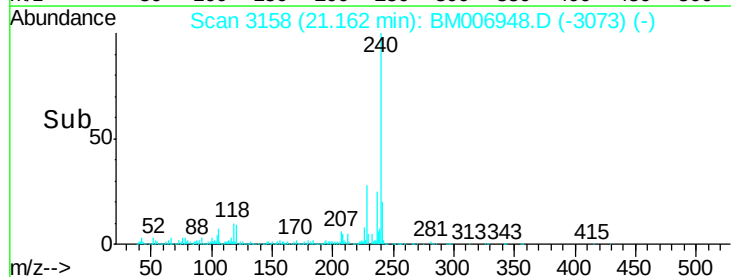
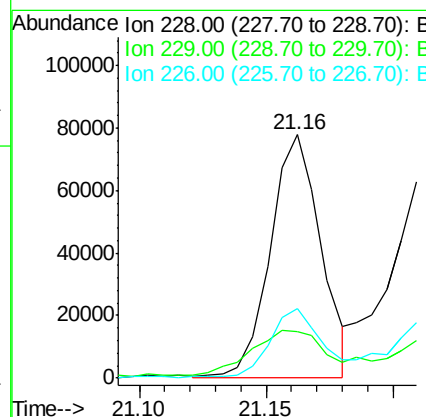
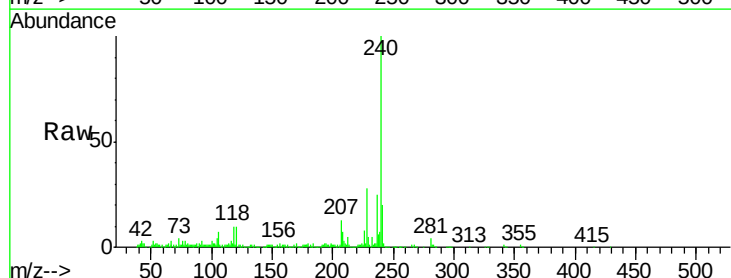
RT: 21.16 min Scan# 3158

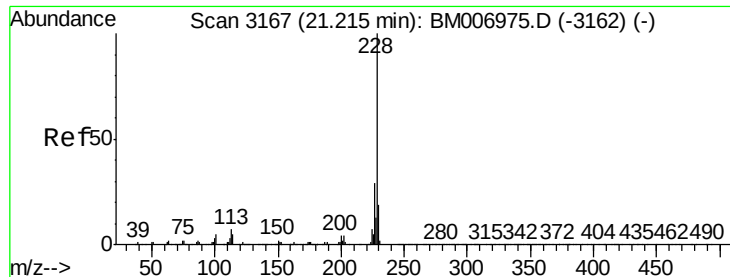
Delta R.T. 0.00 min

Lab File: BM006948.D

Acq: 06 Aug 2016 21:21

Tgt Ion:	228	Resp:	108770
Ion Ratio	Lower	Upper	
228	100		
229	19.1	15.2	22.8
226	28.8	21.3	31.9





#33

Chrysene

Concen: 1.52 ng/ul

RT: 21.22 min Scan# 3167

Delta R.T. 0.00 min

Lab File: BM006948.D

Acq: 06 Aug 2016 21:21

Instrument :

BNA_M

ClientSampleId :

DA0F4

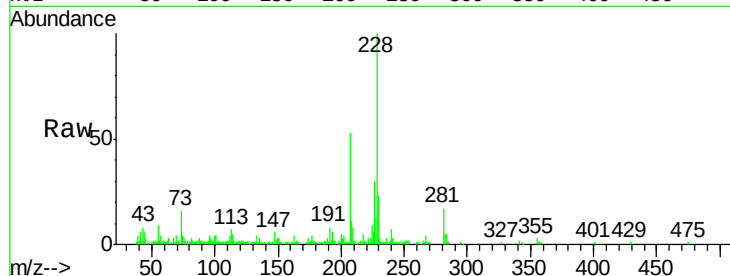
Tgt Ion: 228 Resp: 114755

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.6

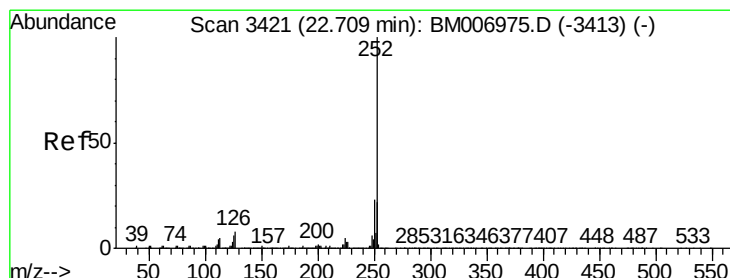
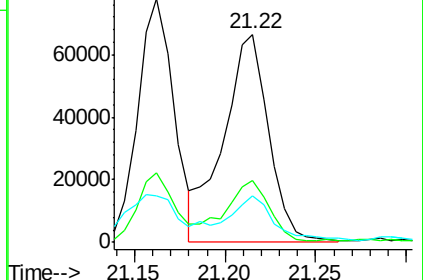
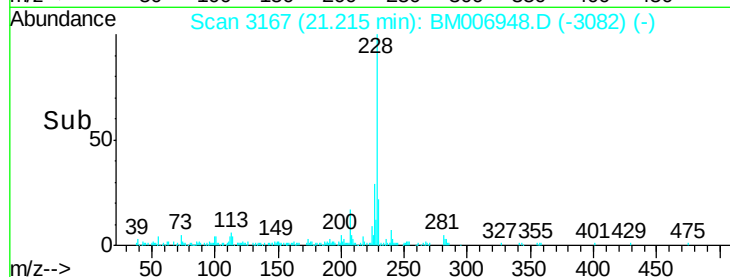
229 22.5 15.1 22.7



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: 1.94 ng/ul

RT: 22.72 min Scan# 3422

Delta R.T. 0.01 min

Lab File: BM006948.D

Acq: 06 Aug 2016 21:21

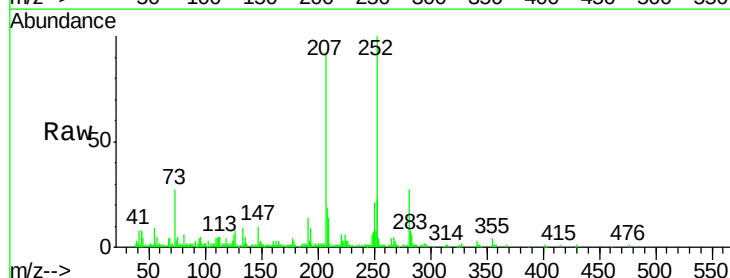
Tgt Ion: 252 Resp: 139335

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

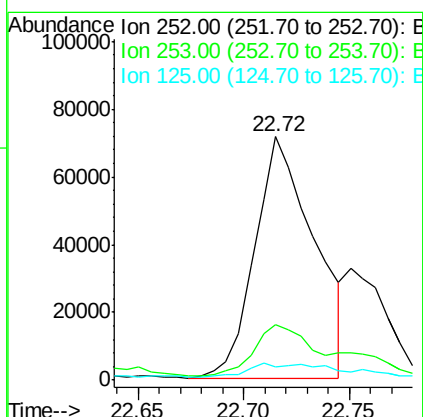
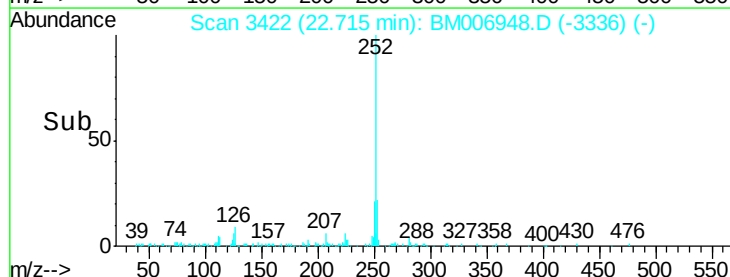
125 5.6 5.1 7.7

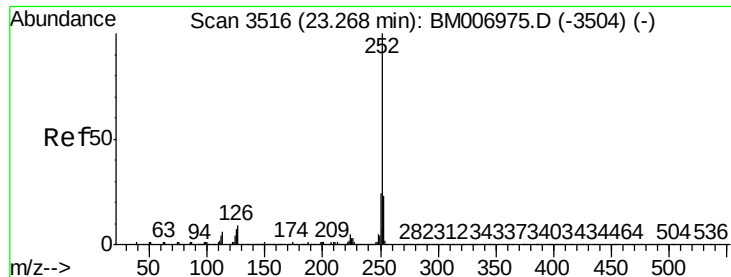


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 1.37 ng/ul

RT: 23.27 min Scan# 3516

Delta R.T. 0.00 min

Lab File: BM006948.D

Acq: 06 Aug 2016 21:21

Instrument :

BNA_M

ClientSampleId :

DA0F4

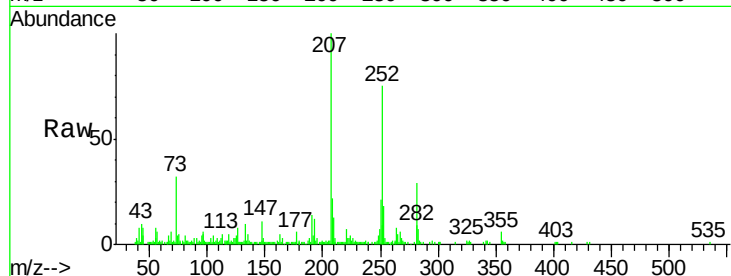
Tgt Ion:252 Resp: 89443

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.2

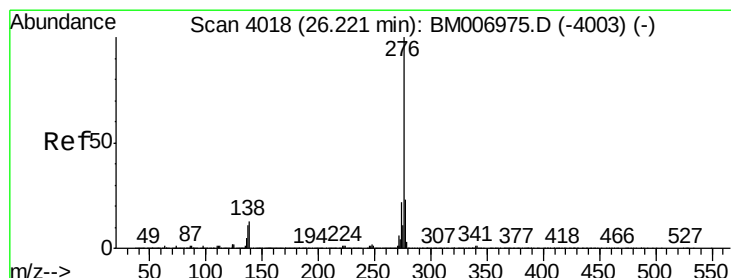
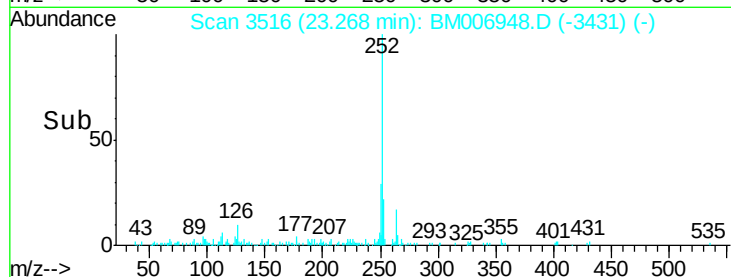
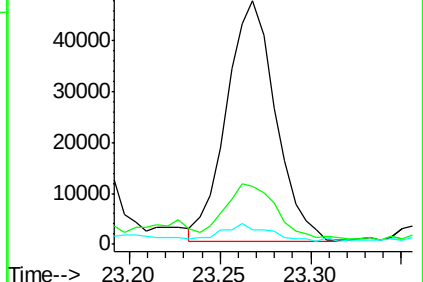
125 5.8 5.6 8.4



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



#41

Benzo(g,h,i)perylene

Concen: 1.28 ng/ul

RT: 26.22 min Scan# 4018

Delta R.T. 0.01 min

Lab File: BM006948.D

Acq: 06 Aug 2016 21:21

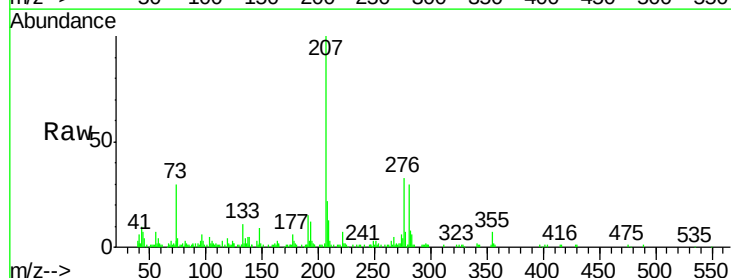
Tgt Ion:276 Resp: 66675

Ion Ratio Lower Upper

276 100

138 15.4 10.9 16.3

277 20.9 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

