

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072116\
 Data File : BM006600.D
 Acq On : 21 Jul 2016 22:50
 Operator : UM/SJ
 Sample : H4077-19
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YT3

Manual Integrations

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 7/22/2016 6:24:33 PM

Quant Time: Jul 22 03:45:00 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 22 01:56:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	142697	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	658384	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	389785	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	888596	20.00	ng/ul	0.00
29) Chrysene-d12	21.21	240	1025945	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	1071700	20.00	ng/ul	0.00

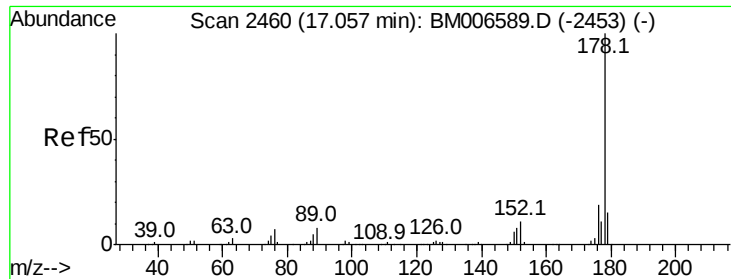
System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	4325	1.23	ng/uL	0.00
3) Phenol-d5	6.79	99	161163	13.28	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	110681	14.72	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	133926	13.81	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	115428	12.26	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	65772	13.20	ng/ul	0.00
9) 2-Nitrophenol-d4	9.48	143	70568	13.32	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	128988	12.88	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	165261	14.98	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	430220	14.08	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	530502	13.60	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	43551m	8.20	ng/ul	0.00
21) Fluorene-d10	15.26	176	384726	14.08	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	38287	8.30	ng/ul	0.00
26) Anthracene-d10	17.11	188	587368	13.92	ng/ul	0.00
30) Pyrene-d10	19.42	212	693153	14.83	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	719043	14.59	ng/ul	0.00

Target Compounds

						Ovalue
25) Phenanthrene	17.06	178	525010	10.51	ng/ul	99
27) Anthracene	17.14	178	66714	1.30	ng/ul	99
28) Fluoranthene	19.08	202	896229	15.27	ng/ul	97
31) Pyrene	19.44	202	728737	11.73	ng/ul#	97
32) Benzo(a)anthracene	21.20	228	332113	5.34	ng/ul	97
33) Chrysene	21.24	228	382649	6.67	ng/ul	98
35) Benzo(b)fluoranthene	22.75	252	560863	8.73	ng/ul	100
36) Benzo(k)fluoranthene	22.79	252	134863m	2.17	ng/ul	
38) Benzo(a)pyrene	23.31	252	328034	5.25	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.60	276	234010	3.23	ng/ul	99
40) Dibenzo(a,h)anthracene	25.61	278	63156m	1.05	ng/ul	
41) Benzo(g,h,i)perylene	26.27	276	183830	2.96	ng/ul	96

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



#25

Phenanthrene

Concen: 10.51 ng/ul

RT: 17.06 min Scan# 2460

Delta R.T. 0.00 min

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Instrument :

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Tot Ion:178 Resp: 525010

Ion Ratio Lower Upper

178 100

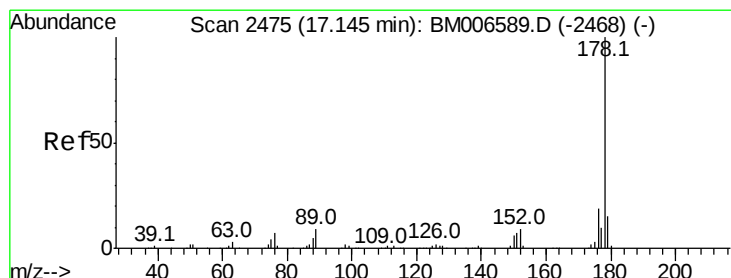
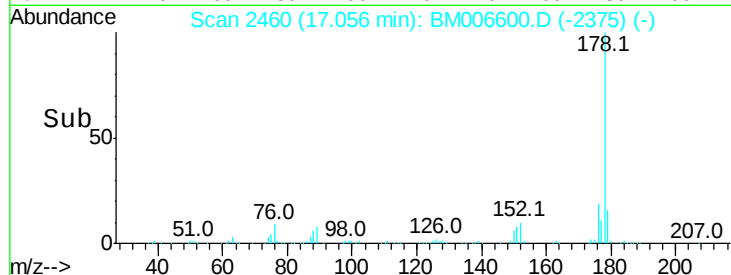
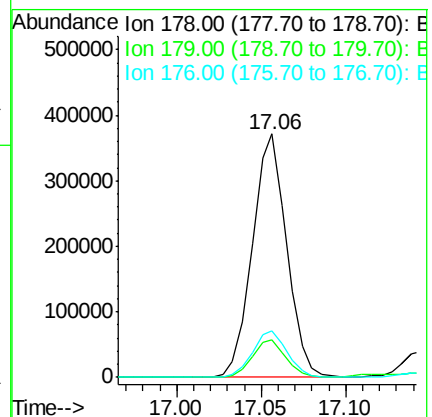
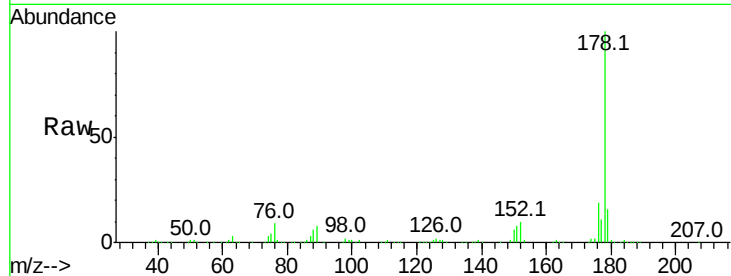
179 15.6 11.8 17.8

176 18.9 14.8 22.2

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#27

Anthracene

Concen: 1.30 ng/ul

RT: 17.14 min Scan# 2475

Delta R.T. 0.00 min

Lab File: BM006600.D

Acq: 21 Jul 2016 22:50

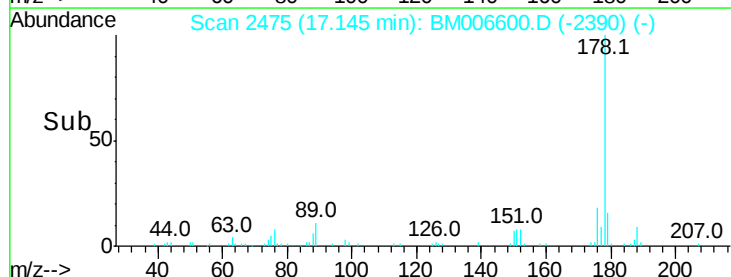
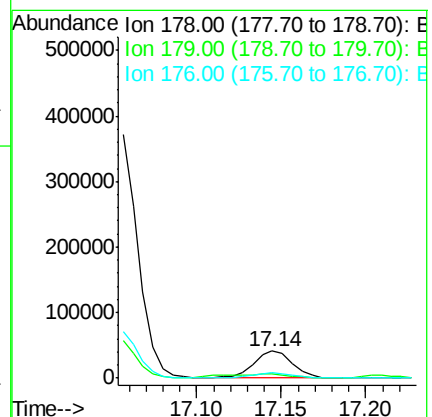
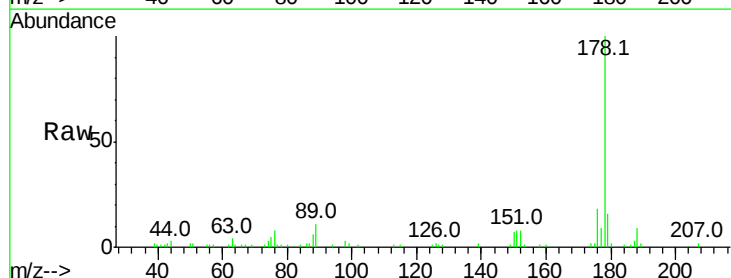
Tgt Ion:178 Resp: 66714

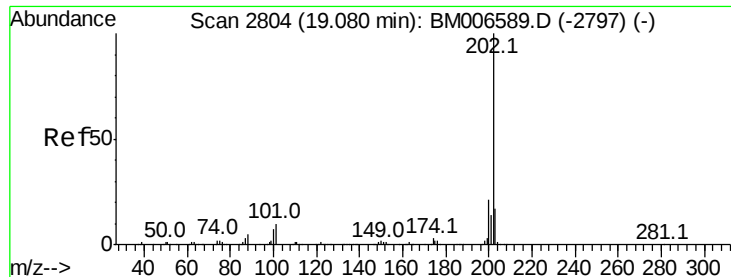
Ion Ratio Lower Upper

178 100

179 16.0 12.9 19.3

176 18.5 15.6 23.4





#28

Fluoranthene

Concen: 15.27 ng/ul

RT: 19.08 min Scan# 2804

Delta R.T. 0.00 min

Lab File: BM006600.D

Acq: 21 Jul 2016 22:50

Instrument :

BNA_M

ClientSampleId :

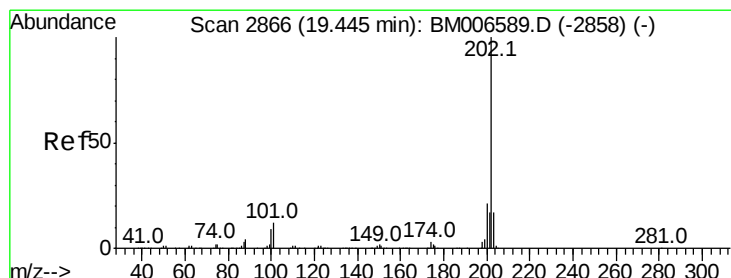
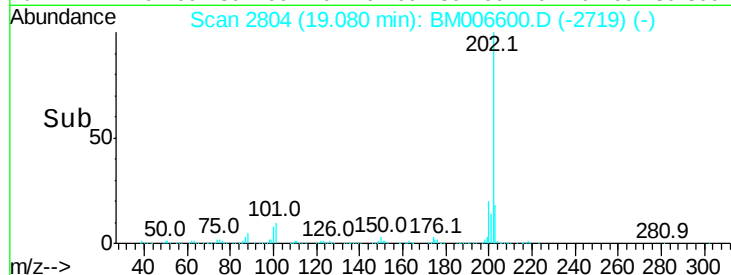
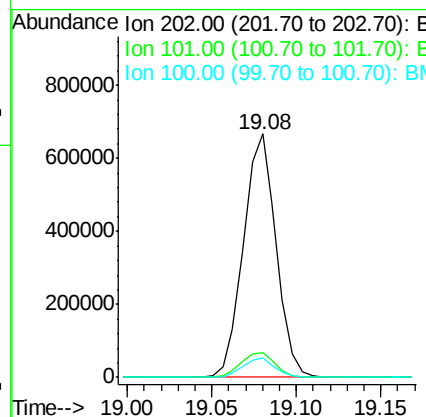
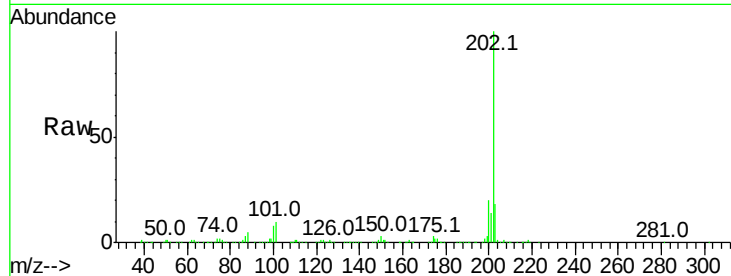
D9YT3

Tot Ion:	202	Resp:	896229
Ion Ratio	Lower	Upper	
202	100		
101	10.0	8.9	13.3
100	7.8	7.0	10.4

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#31

Pyrene

Concen: 11.73 ng/ul

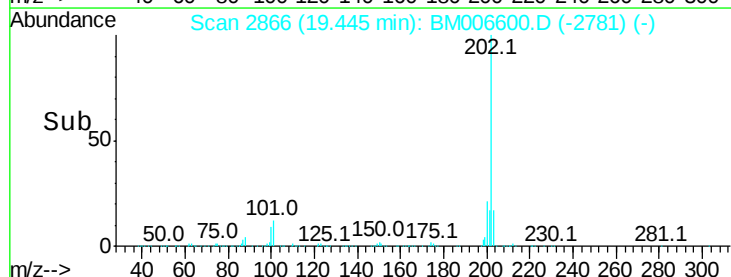
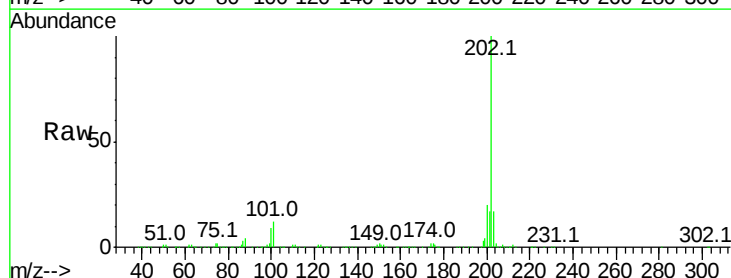
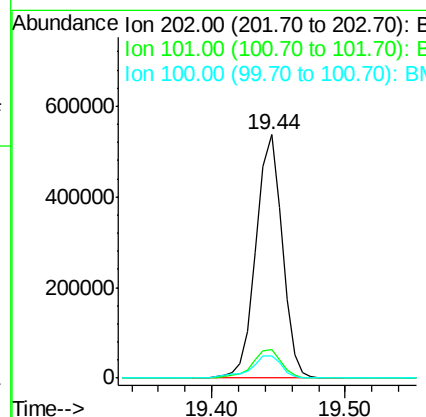
RT: 19.44 min Scan# 2866

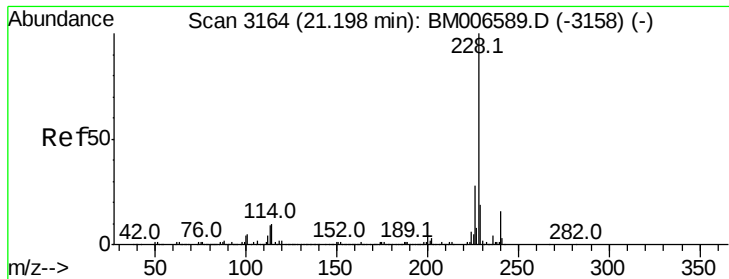
Delta R.T. 0.00 min

Lab File: BM006600.D

Acq: 21 Jul 2016 22:50

Tgt Ion:	202	Resp:	728737
Ion Ratio	Lower	Upper	
202	100		
101	11.9	9.8	14.8
100	9.2	9.3	13.9#





#32

Benzo(a)anthracene

Concen: 5.34 ng/ul

RT: 21.20 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BM006600.D

Acq: 21 Jul 2016 22:50

Instrument :

BNA_M

ClientSampleId :

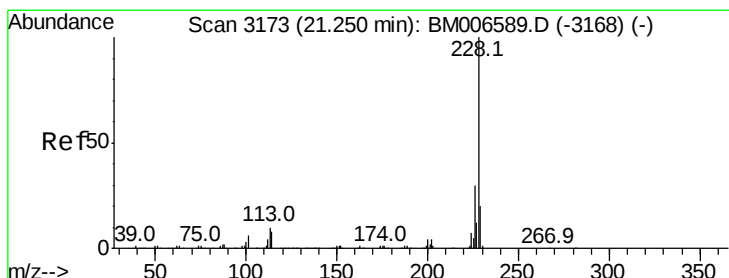
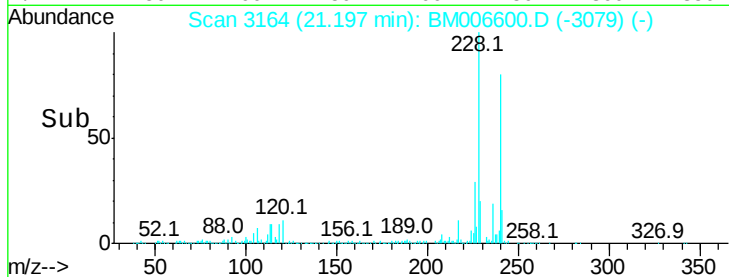
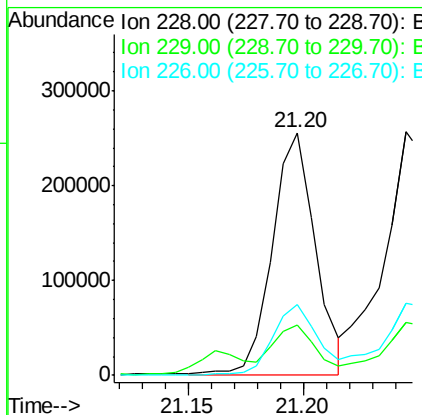
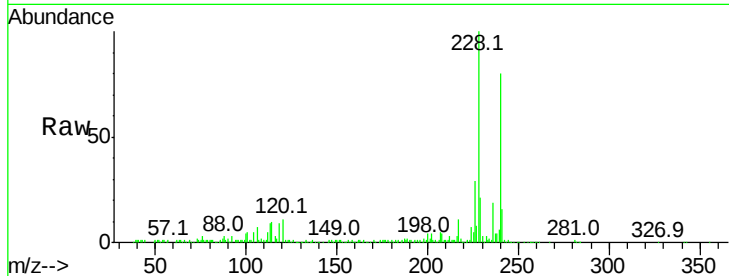
D9YT3

Tot Ion:	228	Resp:	332113
Ion Ratio	Lower	Upper	
228	100		
229	20.8	16.6	25.0
226	29.3	21.0	31.4

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#33

Chrysene

Concen: 6.67 ng/ul

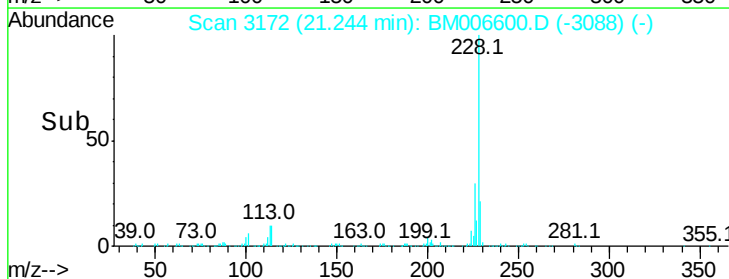
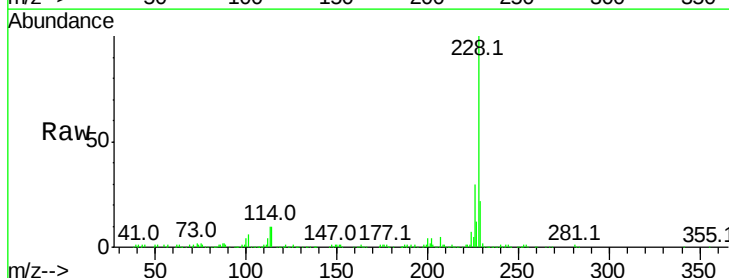
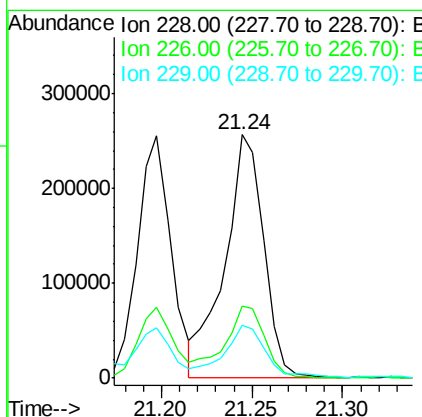
RT: 21.24 min Scan# 3172

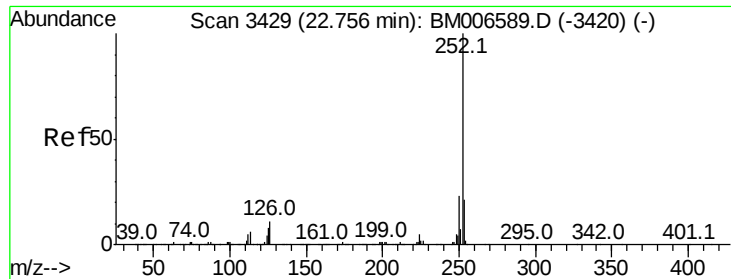
Delta R.T. -0.01 min

Lab File: BM006600.D

Acq: 21 Jul 2016 22:50

Tgt Ion:	228	Resp:	382649
Ion Ratio	Lower	Upper	
228	100		
226	29.7	23.4	35.2
229	21.6	16.2	24.2





#35

Benzo(b)fluoranthene

Concen: 8.73 ng/ul

RT: 22.75 min Scan# 3428

Delta R.T. -0.01 min

Lab File: BM006600.D

Acq: 21 Jul 2016 22:50

Instrument :

BNA_M

ClientSampleId :

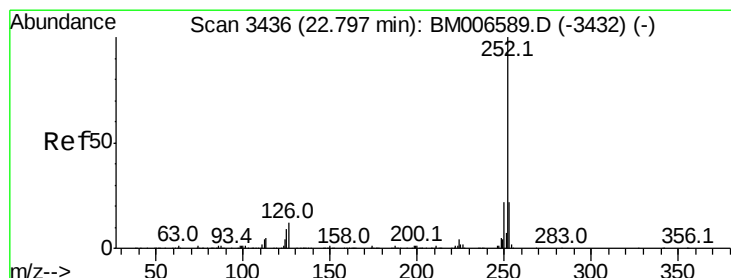
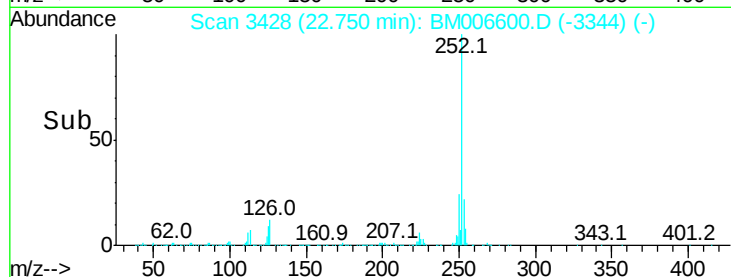
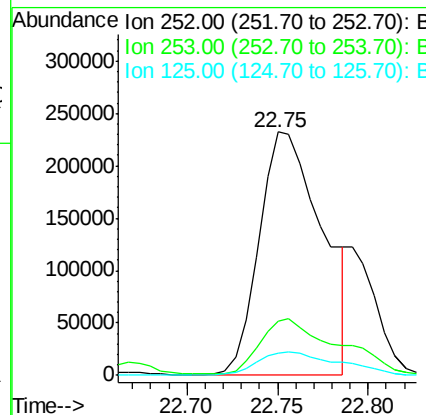
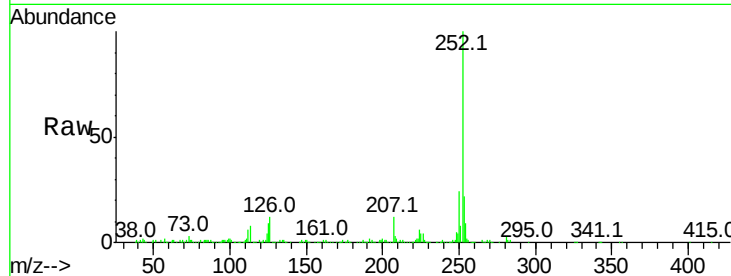
D9YT3

Tot Ion:	252	Resp:	560863
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.1	27.1
125	9.2	7.6	11.4

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#36

Benzo(k)fluoranthene

Concen: 2.17 ng/ul m

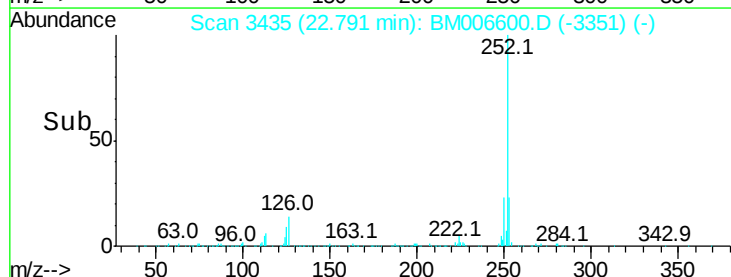
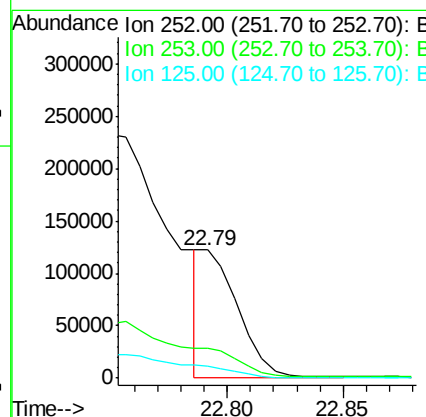
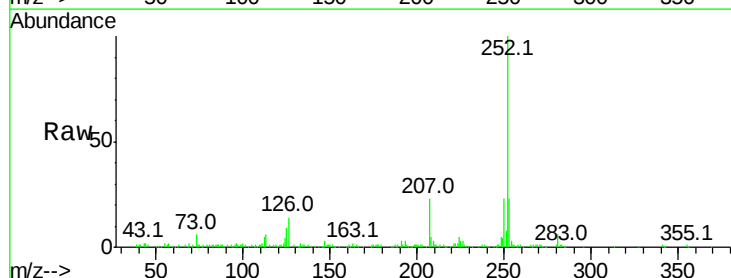
RT: 22.79 min Scan# 3435

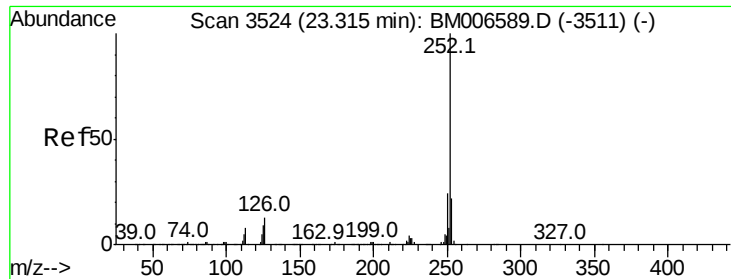
Delta R.T. -0.01 min

Lab File: BM006600.D

Acq: 21 Jul 2016 22:50

Tgt Ion:	252	Resp:	134863
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.8	26.8
125	9.2	7.7	11.5





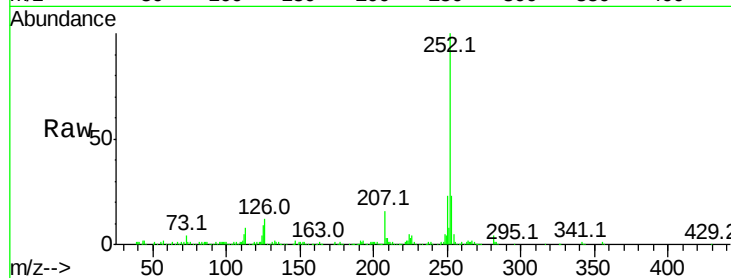
#38
Benzo(a)pyrene
Concen: 5.25 ng/ul
RT: 23.31 min Scan# 3524
Delta R.T. 0.00 min
Lab File: BM006600.D
Acq: 21 Jul 2016 22:50

Instrument :
BNA_M
ClientSampleID :
D9YT3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	9.5	8.2	12.2

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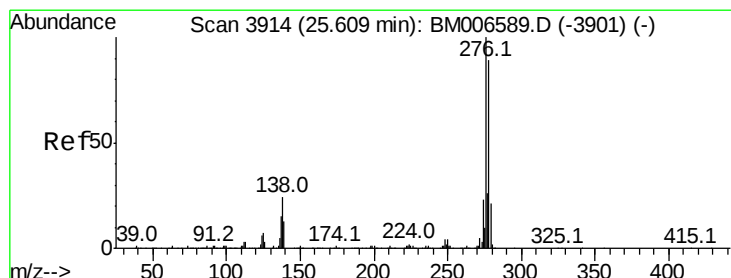
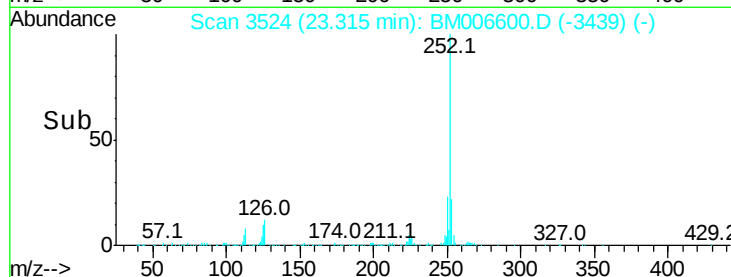
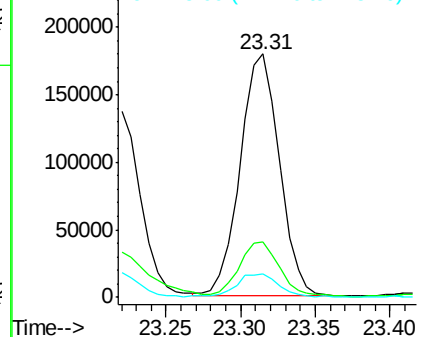


Abundance

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: 3.23 ng/ul
RT: 25.60 min Scan# 3912
Delta R.T. -0.01 min
Lab File: BM006600.D
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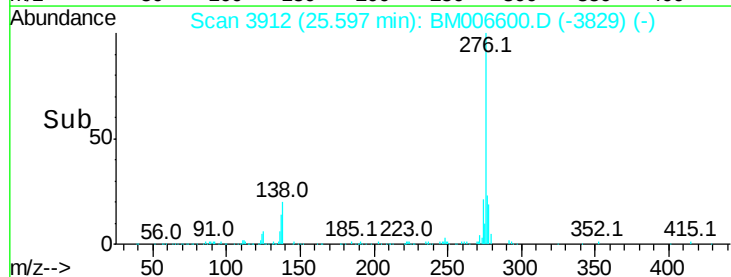
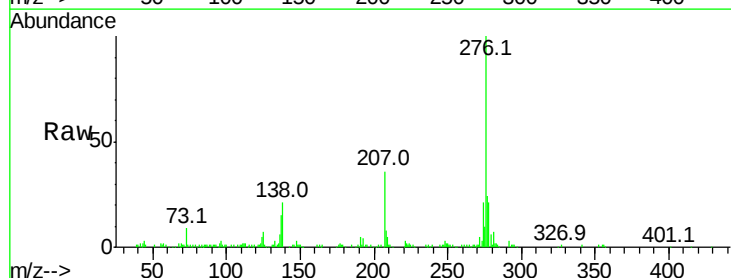
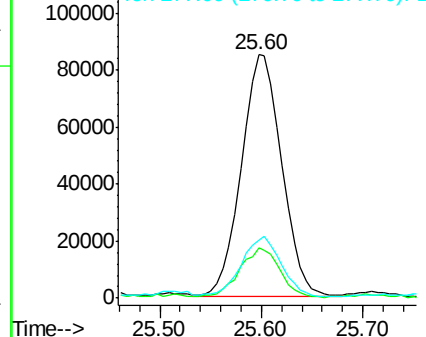
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.7	15.8	23.6
277	24.1	19.0	28.6

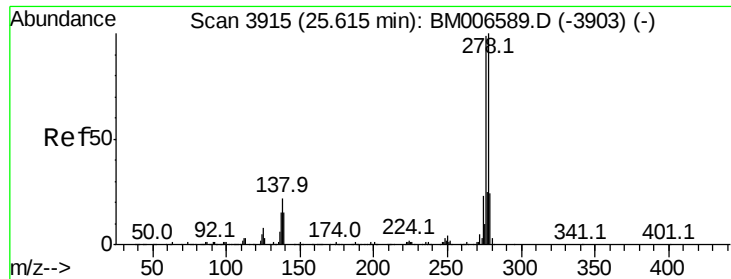
Abundance

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





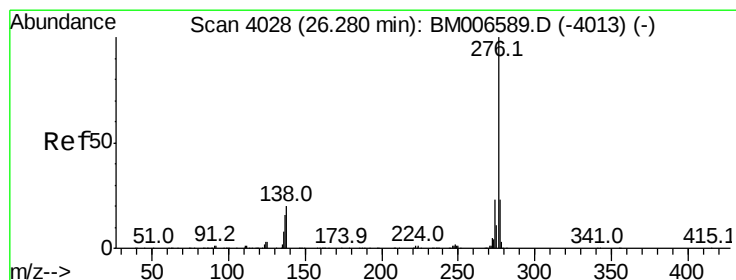
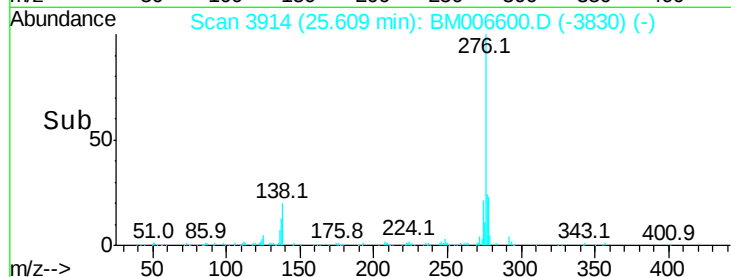
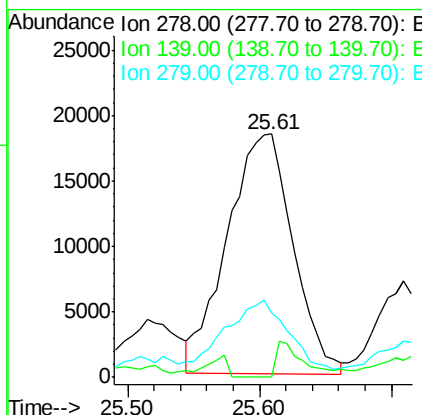
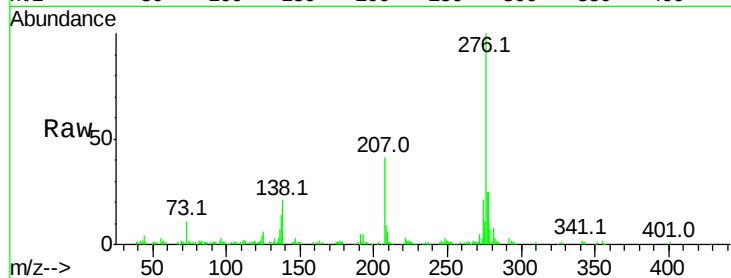
#40
Dibenzo(a,h)anthracene
Concen: 1.05 ng/ul m
RT: 25.61 min Scan# 3914
Delta R.T. -0.01 min
Lab File: BM006600.D
Acq: 21 Jul 2016 22:50

Instrument :
BNA_M
ClientSampled :
D9YT3

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.1	18.1#
279	26.7	19.8	29.8

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#41
Benzo(g,h,i)perylene
Concen: 2.96 ng/ul
RT: 26.27 min Scan# 4027
Delta R.T. -0.01 min
Lab File: BM006600.D
Acq: 21 Jul 2016 22:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.8	13.9	20.9
277	25.7	19.8	29.6

