

Data Path : Z:\HPCHEM1\BNA M\DATA\BM063016\
 Data File : BM006157.D
 Acq On : 30 Jun 2016 13:10
 Operator : UM/SJ
 Sample : H3780-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YF8

Manual Integrations
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 7/1/2016 7:15:12 PM

Quant Time: Jun 30 16:01:43 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	7.65	152	268453	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1173557	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	647749	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1262584	20.00	ng/ul	0.00
29) Chrysene-d12	21.25	240	921597	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	1015050	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.16	96	6081	1.05	ng/uL	0.00
3) Phenol-d5	6.83	99	344314	15.70	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	209892	16.23	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	260727	15.49	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	282399	16.00	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	134108	16.97	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	150449	16.63	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	270191	16.37	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	251098	19.25	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	822332	17.71	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1034717	18.36	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	116847	13.26	ng/ul	0.00
21) Fluorene-d10	15.30	176	699042	17.64	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	81408	18.20	ng/ul	0.00
26) Anthracene-d10	17.15	188	931141	18.38	ng/ul	0.00
30) Pyrene-d10	19.45	212	782839	21.09	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.33	264	741794	18.36	ng/ul	0.00

Target Compounds

						Ovalue
25) Phenanthrene	17.09	178	623322	10.43	ng/ul	99
27) Anthracene	17.19	178	134231	2.19	ng/ul	99
28) Fluoranthene	19.12	202	1313952	17.96	ng/ul	99
31) Pyrene	19.48	202	974638	20.05	ng/ul	98
32) Benzo(a)anthracene	21.23	228	535914	11.18	ng/ul	98
33) Chrysene	21.29	228	534141	12.11	ng/ul	97
35) Benzo(b)fluoranthene	22.80	252	804748	15.28	ng/ul	99
36) Benzo(k)fluoranthene	22.84	252	276082m	5.59	ng/ul	
38) Benzo(a)pyrene	23.37	252	529724	10.64	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.69	276	422568	8.17	ng/ul#	92
40) Dibenzo(a,h)anthracene	25.69	278	114086	2.67	ng/ul#	88
41) Benzo(g,h,i)perylene	26.37	276	394758	9.12	ng/ul	98

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

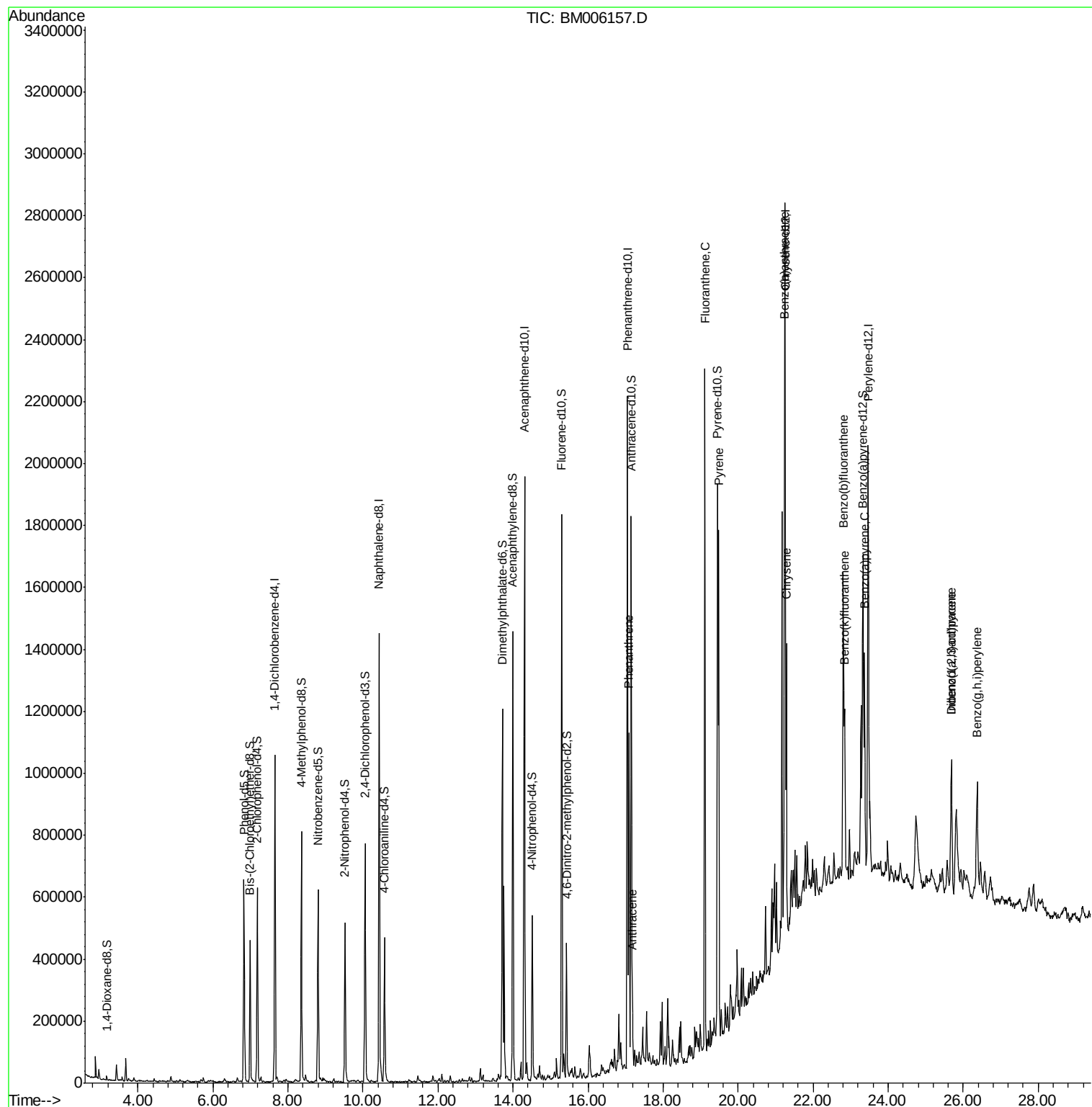
Data Path : Z:\HPCHEM1\BNA M\DATA\BM063016\
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Acq On : 30 Jun 2016 13:10
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Sample : H3780-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

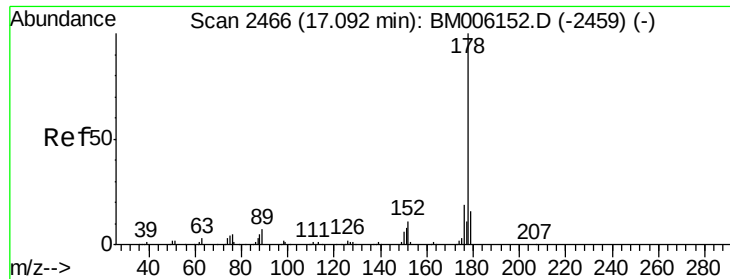
Instrument :
BNA_M
ClientSampleId :
D9YF8

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Quant Time: Jun 30 16:01:43 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





#25

Phenanthrene

Concen: 10.43 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BM006157.D

Acq: 30 Jun 2016 13:10

Instrument :

BNA_M

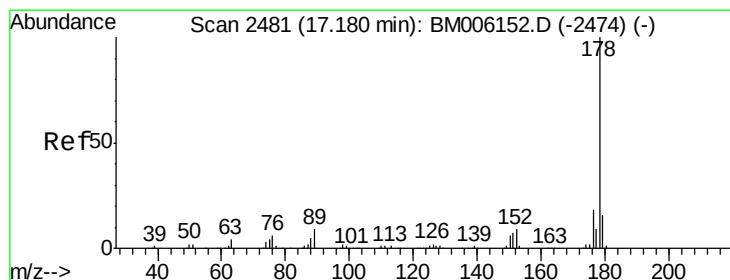
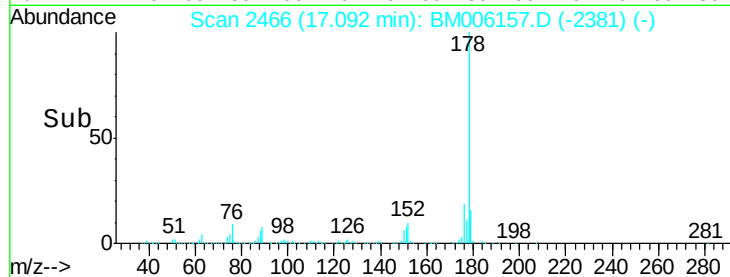
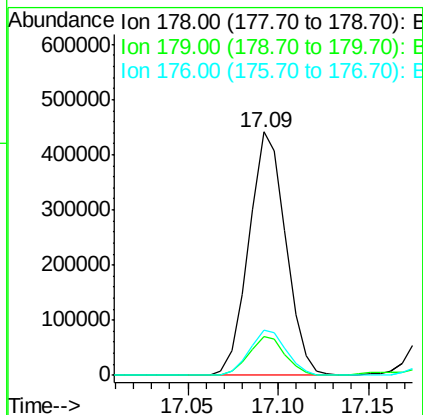
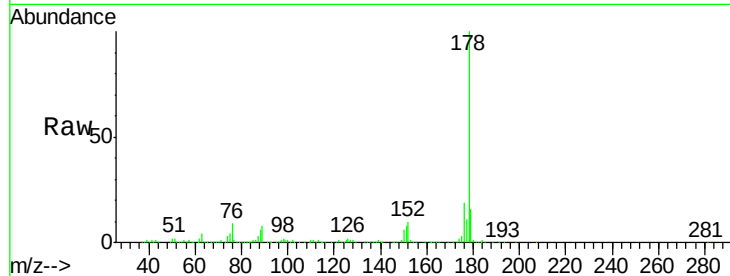
ClientSampleId :

D9YF8

Tot Ion:	178	Resp:	623322
Ion Ratio	Lower	Upper	
178	100		
179	15.8	12.2	18.2
176	18.7	15.3	22.9

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#27

Anthracene

Concen: 2.19 ng/ul

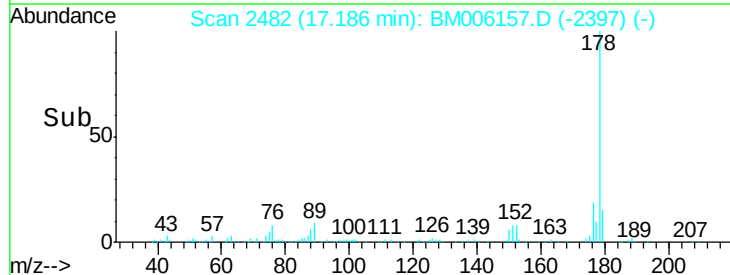
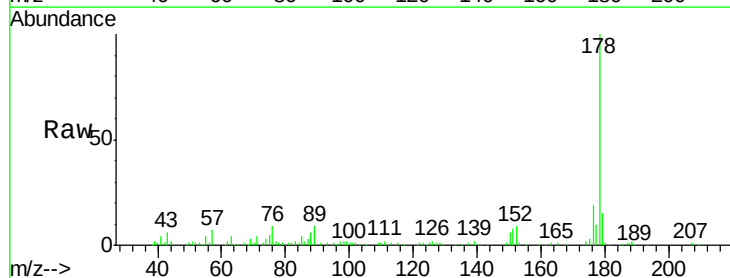
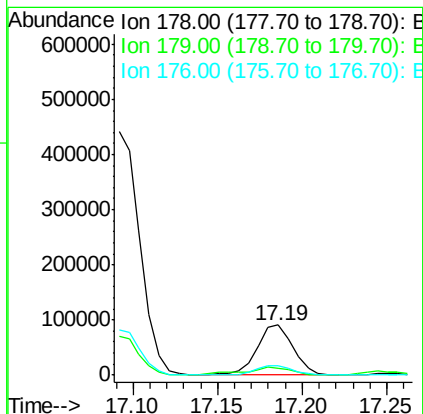
RT: 17.19 min Scan# 2482

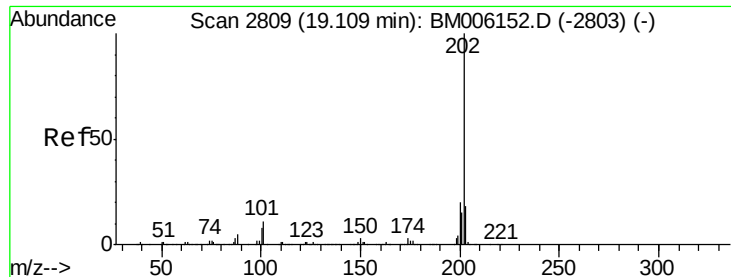
Delta R.T. -0.00 min

Lab File: BM006157.D

Acq: 30 Jun 2016 13:10

Tgt Ion:	178	Resp:	134231
Ion Ratio	Lower	Upper	
178	100		
179	15.0	12.3	18.5
176	19.0	14.6	22.0





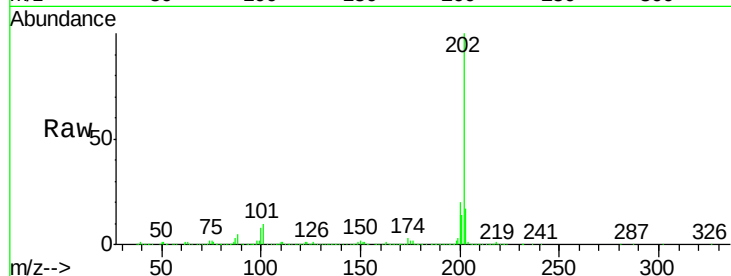
#28
Fluoranthene
Concen: 17.96 ng/ul
RT: 19.12 min Scan# 2810
Delta R.T. -0.00 min
Lab File: BM006157.D
Acq: 30 Jun 2016 13:10

Instrument :
BNA_M
ClientSampleId :
D9YF8

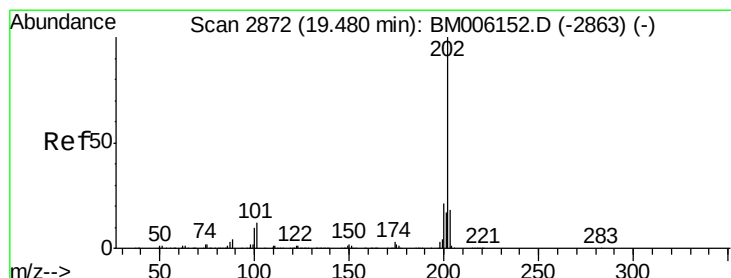
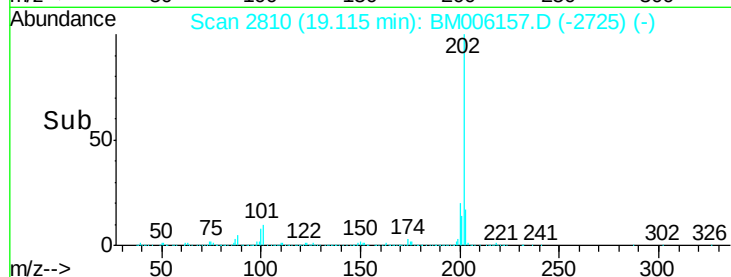
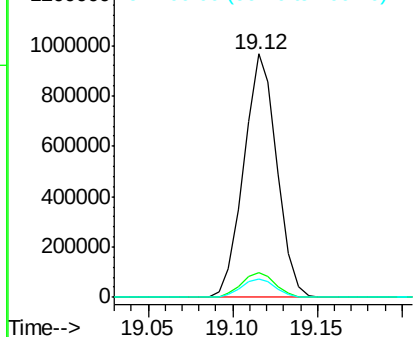
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.5	12.7
100	7.7	6.5	9.7

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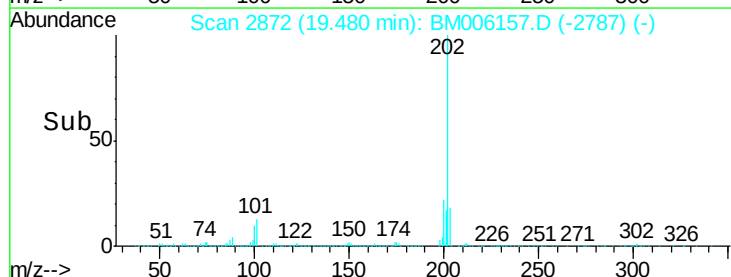
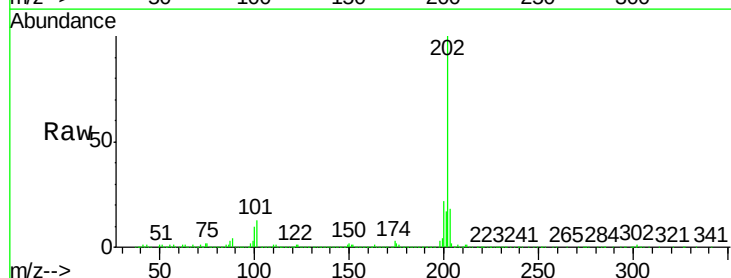
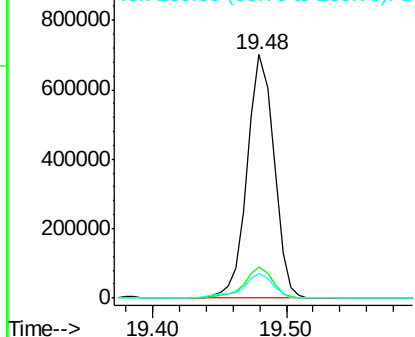
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

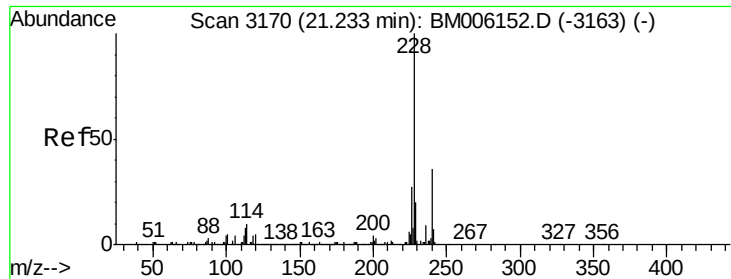


#31
Pyrene
Concen: 20.05 ng/ul
RT: 19.48 min Scan# 2872
Delta R.T. -0.00 min
Lab File: BM006157.D
Acq: 30 Jun 2016 13:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	11.0	16.4
100	10.3	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: 11.18 ng/ul

RT: 21.23 min Scan# 3170

Delta R.T. -0.00 min

Lab File: BM006157.D

Acq: 30 Jun 2016 13:10

Instrument :

BNA_M

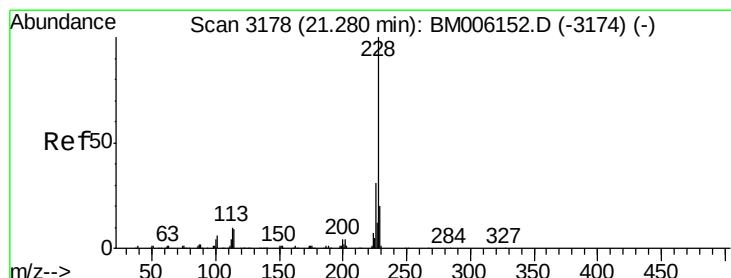
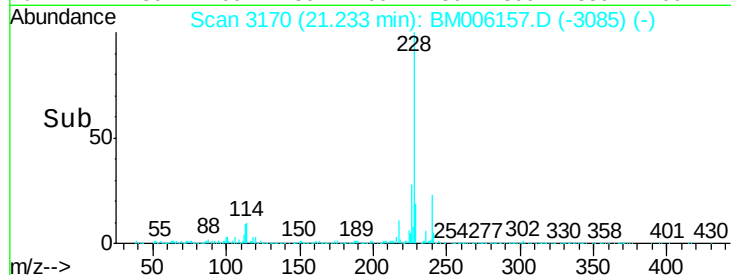
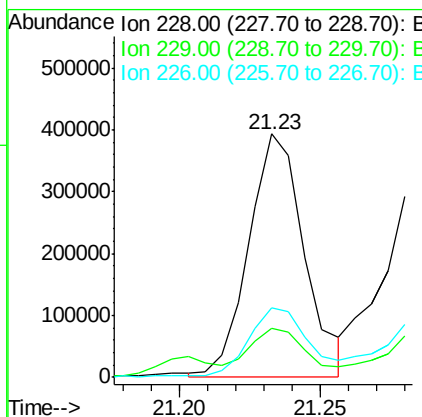
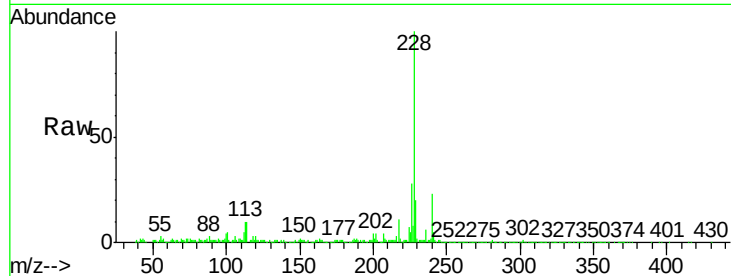
ClientSampleId :

D9YF8

Tot Ion:	228	Resp:	535914
Ion Ratio	Lower	Upper	
228	100		
229	20.4	15.6	23.4
226	28.4	21.6	32.4

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#33

Chrysene

Concen: 12.11 ng/ul

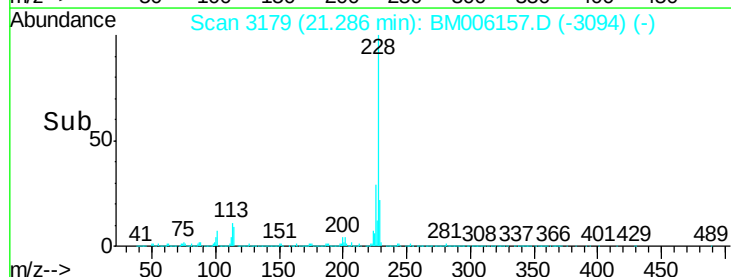
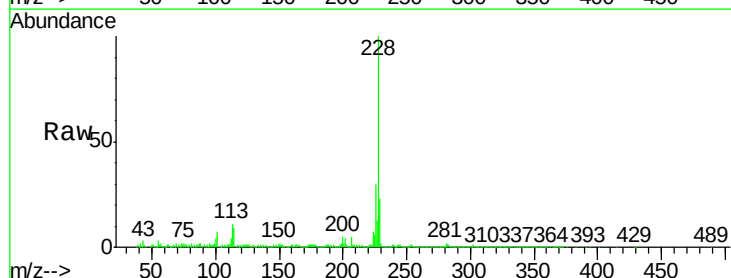
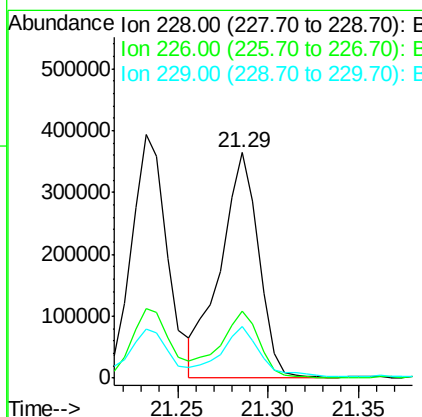
RT: 21.29 min Scan# 3179

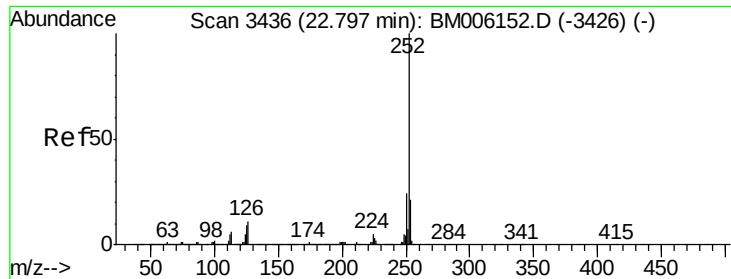
Delta R.T. -0.00 min

Lab File: BM006157.D

Acq: 30 Jun 2016 13:10

Tgt Ion:	228	Resp:	534141
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.8	35.6
229	22.7	15.8	23.6





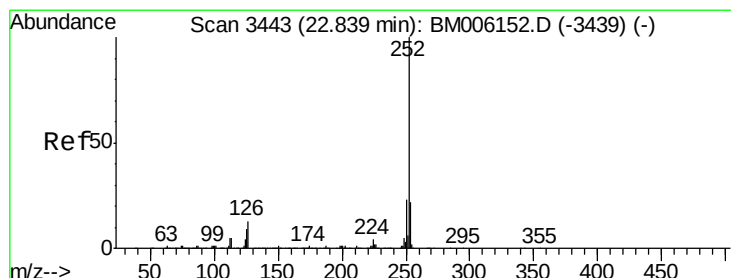
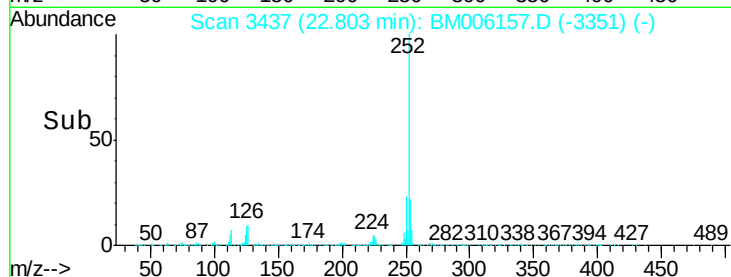
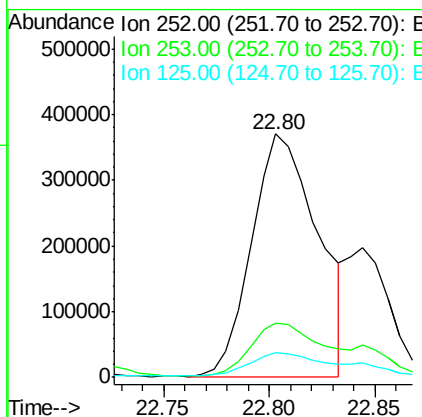
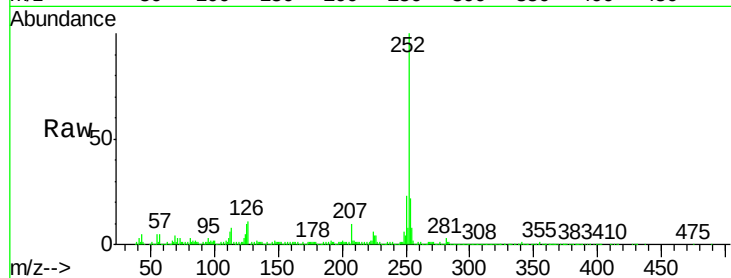
#35
Benzo(b)fluoranthene
Concen: 15.28 ng/ul
RT: 22.80 min Scan# 3437
Delta R.T. 0.01 min
Lab File: BM006157.D
Acq: 30 Jun 2016 13:10

Instrument :
BNA_M
ClientSampleId :
D9YF8

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	10.1	7.8	11.6

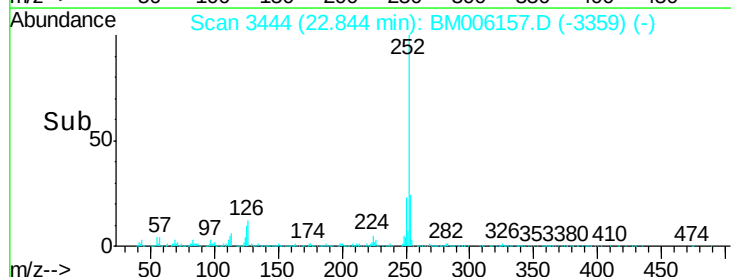
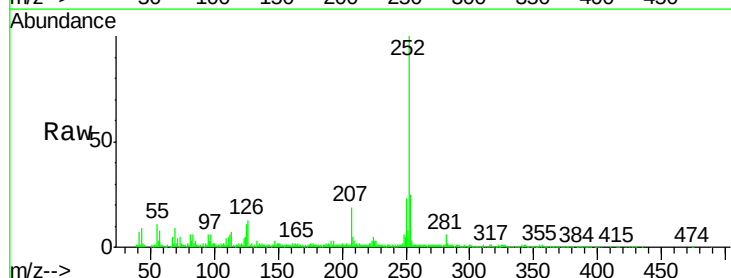
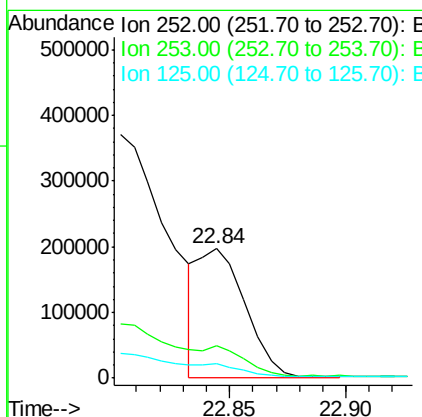
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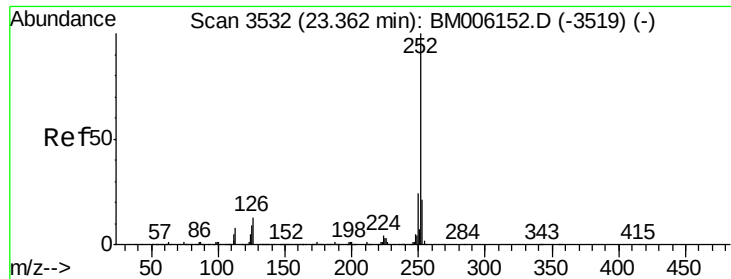
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#36
Benzo(k)fluoranthene
Concen: 5.59 ng/ul m
RT: 22.84 min Scan# 3444
Delta R.T. -0.00 min
Lab File: BM006157.D
Acq: 30 Jun 2016 13:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.6	26.4
125	10.8	8.1	12.1





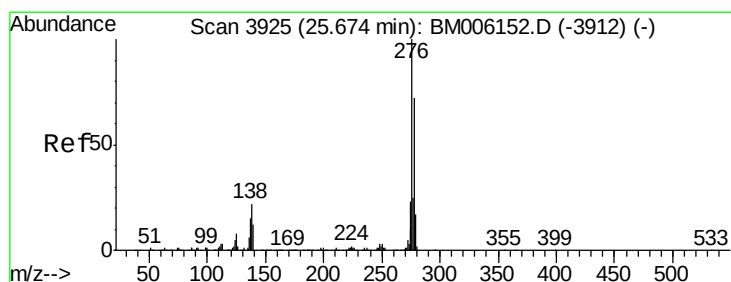
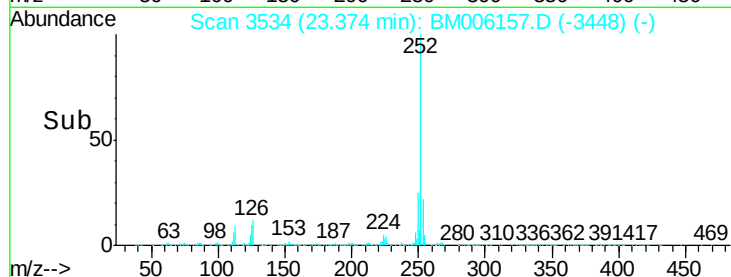
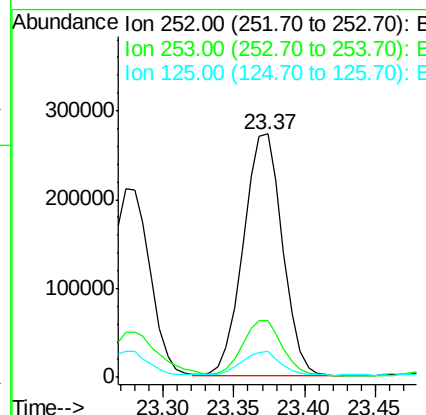
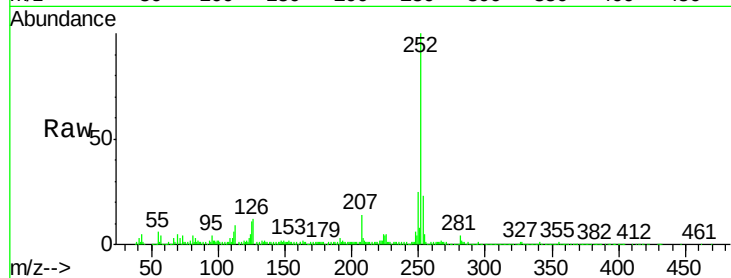
#38
Benzo(a)pyrene
Concen: 10.64 ng/ul
RT: 23.37 min Scan# 3534
Delta R.T. 0.01 min
Lab File: BM006157.D
Acq: 30 Jun 2016 13:10

Instrument :
BNA_M
ClientSampleId :
D9YF8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	10.6	8.7	13.1

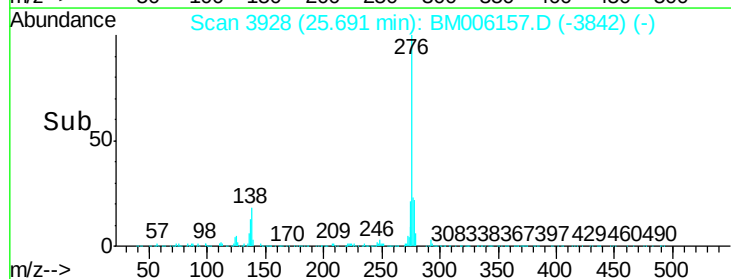
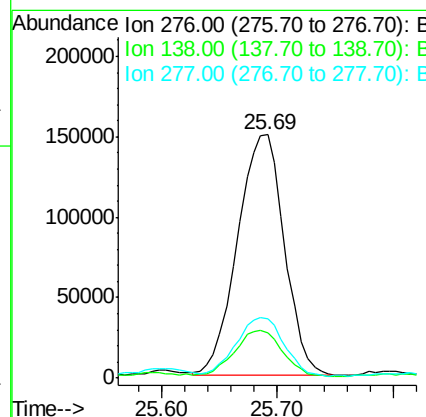
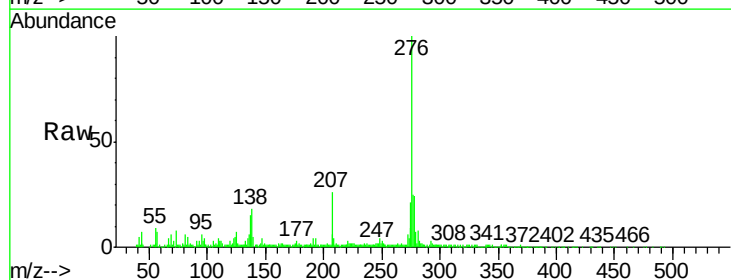
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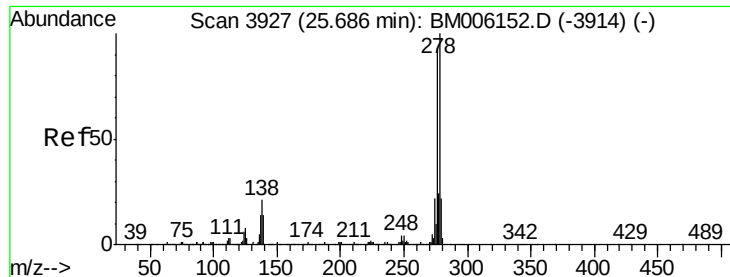
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#39
Indeno(1,2,3-cd)pyrene
Concen: 8.17 ng/ul
RT: 25.69 min Scan# 3928
Delta R.T. 0.01 min
Lab File: BM006157.D
Acq: 30 Jun 2016 13:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.4	20.4	30.6#
277	24.5	20.6	30.8





#40

Dibenzo(a,h)anthracene

Concen: 2.67 ng/ul

RT: 25.69 min Scan# 3928

Delta R.T. -0.00 min

Lab File: BM006157.D

Acq: 30 Jun 2016 13:10

Instrument :

BNA_M

ClientSampleId :

D9YF8

Tot Ion:278 Resp: 114086

Ion Ratio Lower Upper

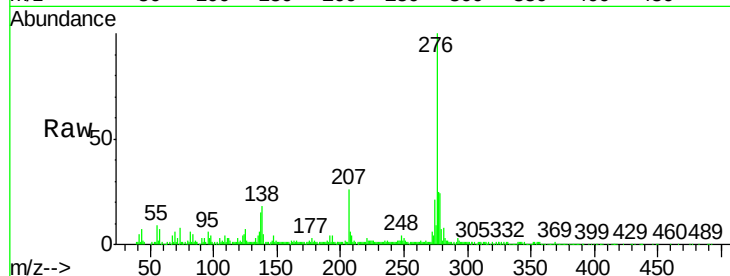
278 100

139 19.6 13.0 19.4#

279 30.8 18.8 28.2#

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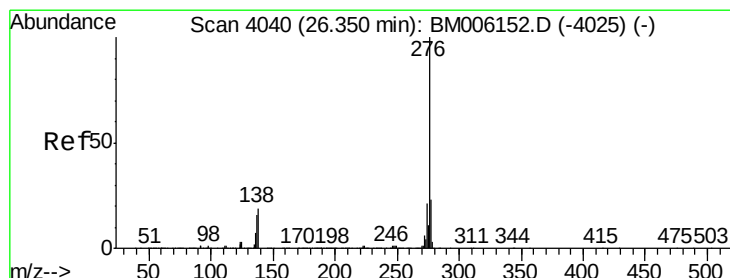
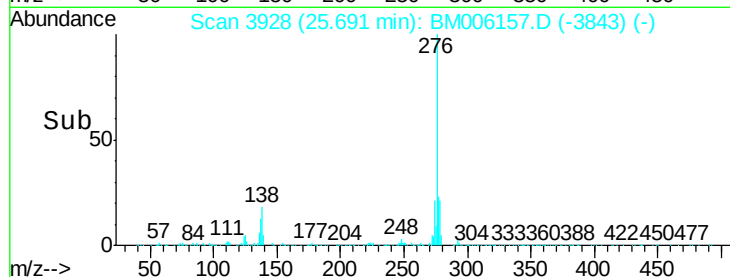
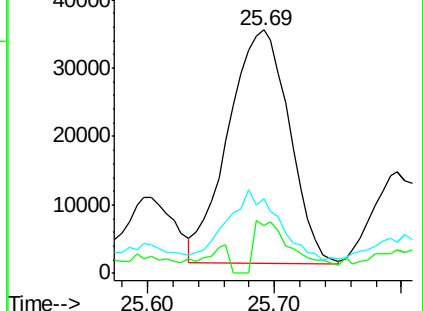
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Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#41

Benzo(g,h,i)perylene

Concen: 9.12 ng/ul

RT: 26.37 min Scan# 4043

Delta R.T. 0.01 min

Lab File: BM006157.D

Acq: 30 Jun 2016 13:10

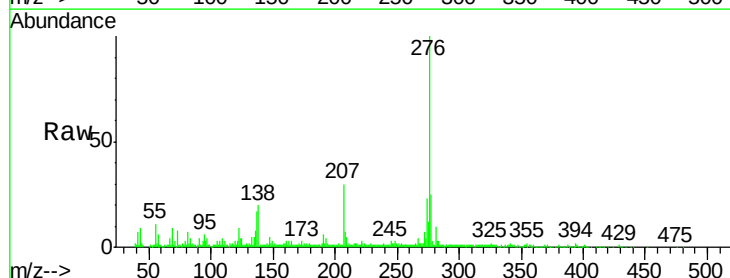
Tgt Ion:276 Resp: 394758

Ion Ratio Lower Upper

276 100

138 19.7 16.6 25.0

277 24.6 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

