

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
 Data File : BM006057.D
 Acq On : 27 Jun 2016 01:47
 Operator : UM/SJ
 Sample : H3671-12MS 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YA5MS

Manual Integrations
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Quant Time: Jun 27 06:18:38 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 27 05:15:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	330849	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1568632	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	910824	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	2004873	20.00	ng/ul	0.00
29) Chrysene-d12	21.26	240	1446617	20.00	ng/ul	0.01
34) Perylene-d12	23.47	264	1351373	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	5029	0.68	ng/uL	0.00
3) Phenol-d5	6.83	99	294915	8.47	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	190591	9.84	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	239156	9.87	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	187550	6.38	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	127923	10.71	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	134172	10.10	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	260520	10.22	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	166866	6.03	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	820982	10.53	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1055269	11.67	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	102782	6.18	ng/ul	0.01
21) Fluorene-d10	15.30	176	742180	11.15	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	38722	3.48	ng/ul	0.01
26) Anthracene-d10	17.16	188	1109784	12.05	ng/ul	0.00
30) Pyrene-d10	19.46	212	1066997	16.84	ng/ul	0.01
37) Benzo(a)pyrene-d12	23.33	264	738129	12.10	ng/ul	0.01

Target Compounds

						Qvalue
11) Naphthalene	10.49	128	93905	1.20	ng/ul	99
18) Acenaphthylene	14.03	152	158635	1.66	ng/ul	99
19) Acenaphthene	14.37	153	858349	14.17	ng/ul	99
22) Fluorene	15.36	166	264522	3.63	ng/ul	98
25) Phenanthrene	17.10	178	5596714	51.90	ng/ul	99
27) Anthracene	17.19	178	1277461	11.47	ng/ul	100
28) Fluoranthene	19.13	202	8045126	58.24	ng/ul	97
31) Pyrene	19.49	202	7805966	94.26	ng/ul	97
32) Benzo(a)anthracene	21.24	228	2830832	32.94	ng/ul	98
33) Chrysene	21.29	228	2638152	33.61	ng/ul	97
35) Benzo(b)fluoranthene	22.82	252	3236316	41.22	ng/ul	98
36) Benzo(k)fluoranthene	22.85	252	1196326m	16.38	ng/ul	
38) Benzo(a)pyrene	23.38	252	2307333	30.65	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.70	276	1957010	21.81	ng/ul	98
40) Dibenzo(a,h)anthracene	25.70	278	408841m	5.48	ng/ul	
41) Benzo(g,h,i)perylene	26.38	276	2059876	26.54	ng/ul	99

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

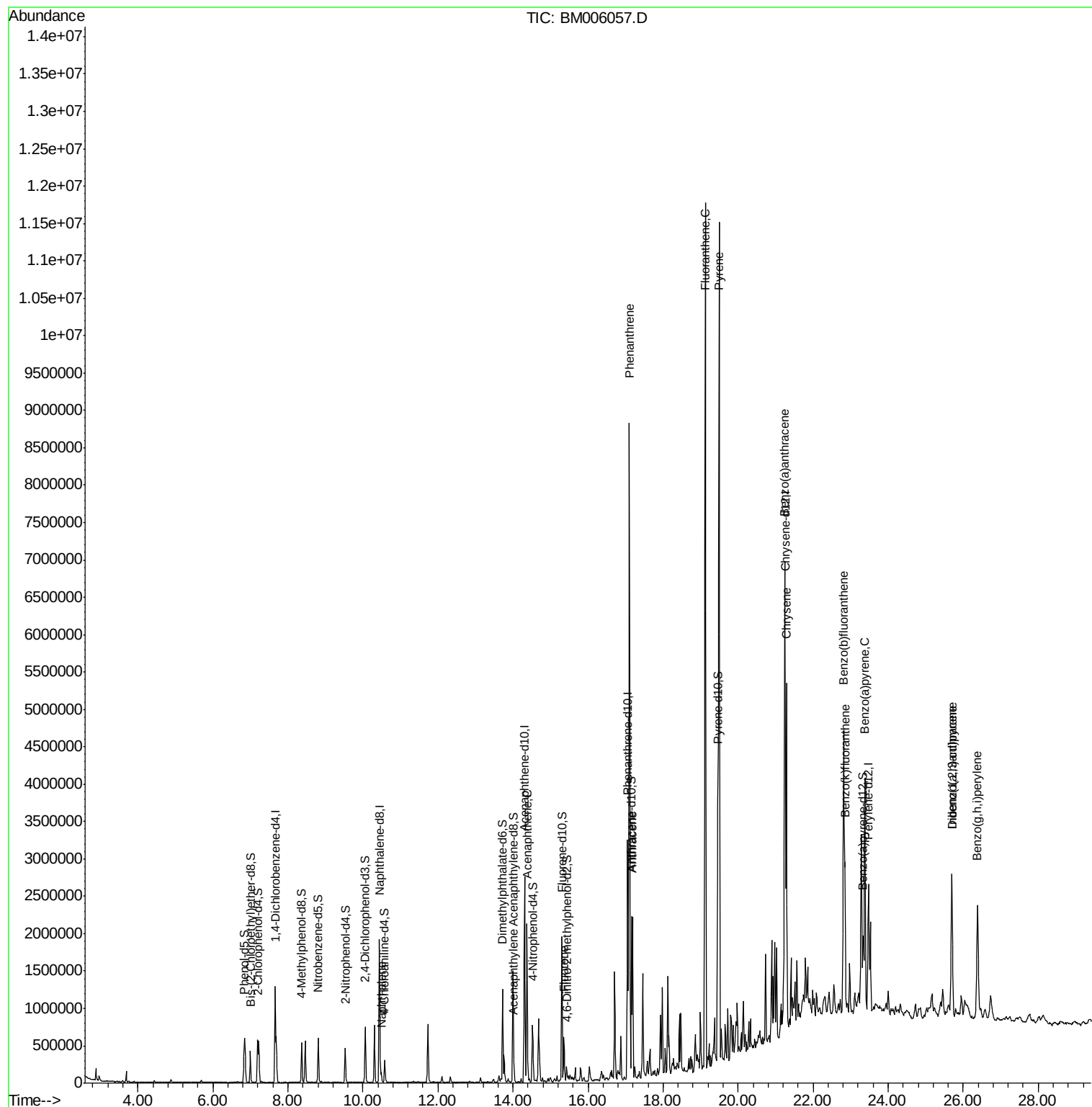
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
Data File : BM006057.D
Acq On : 27 Jun 2016 01:47
Operator : UM/SJ
Sample : H3671-12MS 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

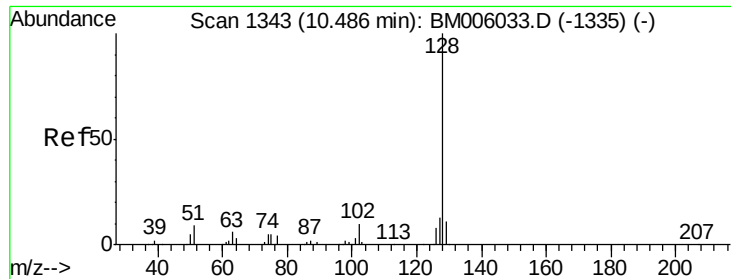
Instrument :
BNA_M
ClientSampleId :
D9YA5MS

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Quant Time: Jun 27 06:18:38 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
Quant Title : SVOA CALIBRATION
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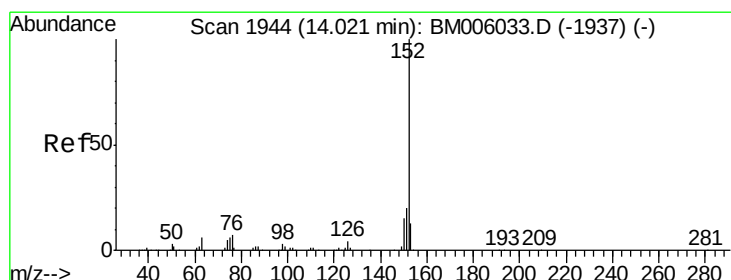
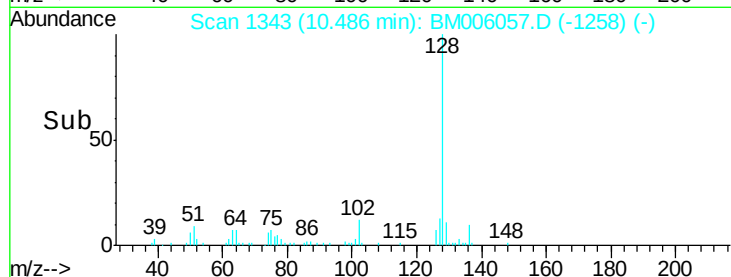
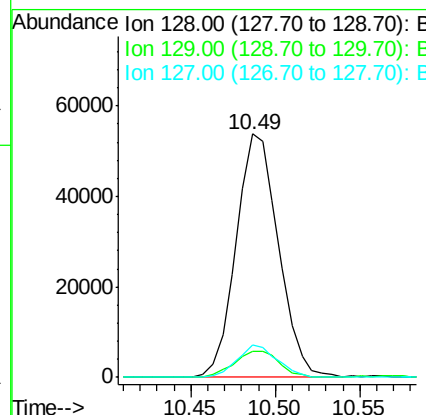
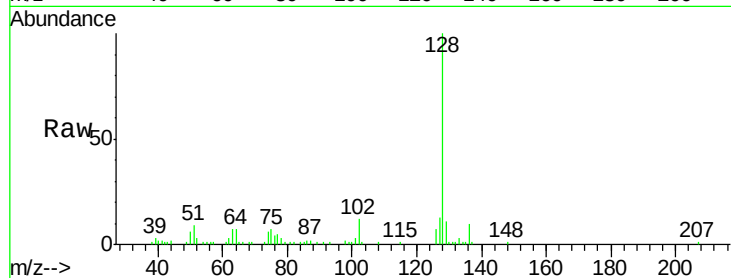
#11
Naphthalene
Concen: 1.20 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. 0.00 min
Lab File: BM006057.D
Acq: 27 Jun 2016 01:47

Instrument :
BNA_M
ClientSampleId :
D9YA5MS

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	13.0
127	13.4	10.2	15.4

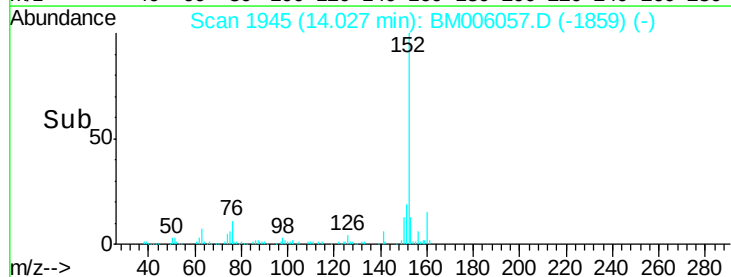
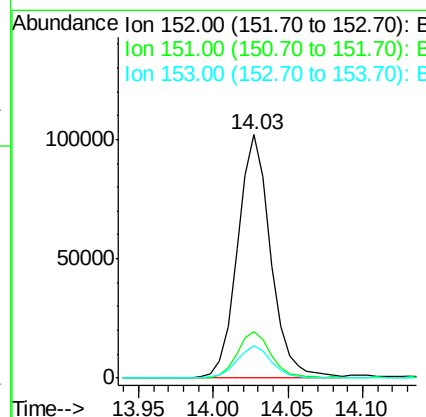
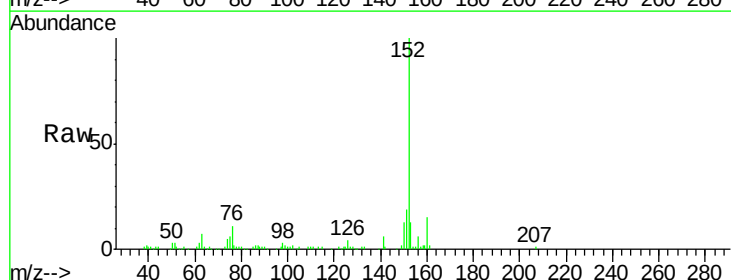
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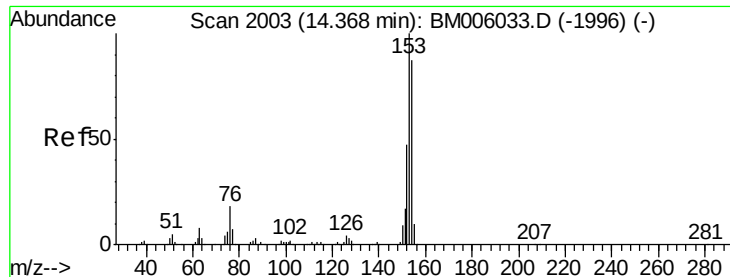
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#18
Acenaphthylene
Concen: 1.66 ng/ul
RT: 14.03 min Scan# 1945
Delta R.T. 0.01 min
Lab File: BM006057.D
Acq: 27 Jun 2016 01:47

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.5	23.3
153	13.4	10.5	15.7





#19

Acenaphthene

Concen: 14.17 ng/ul

RT: 14.37 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BM006057.D

Acq: 27 Jun 2016 01:47

Instrument :

BNA_M

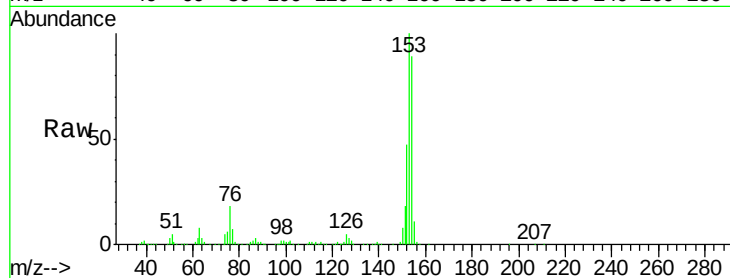
ClientSampleId :

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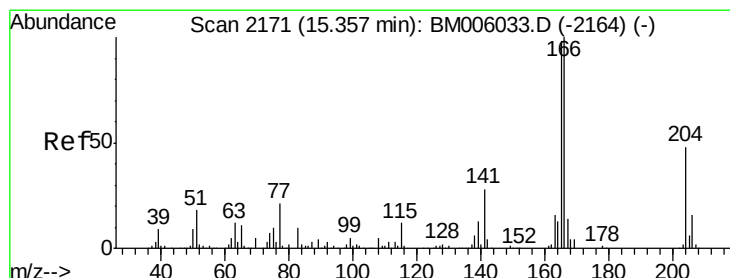
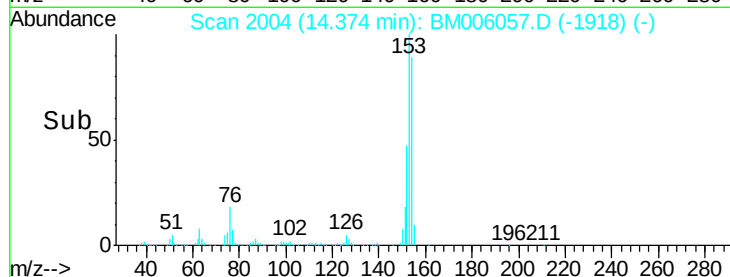
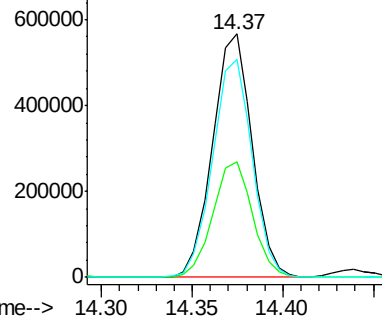
Tgt Ion:	153	Resp:	858349
Ion Ratio	Lower	Upper	
153	100		
152	47.4	38.6	57.8
154	89.4	70.7	106.1

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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



#22

Fluorene

Concen: 3.63 ng/ul

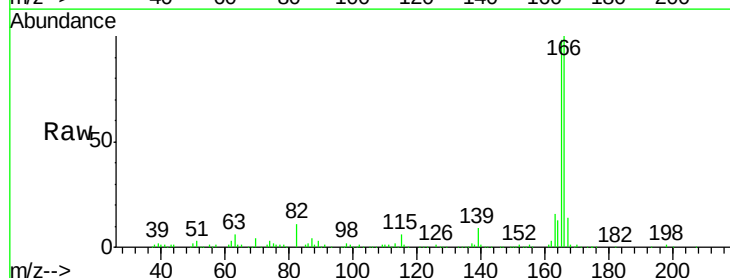
RT: 15.36 min Scan# 2172

Delta R.T. 0.01 min

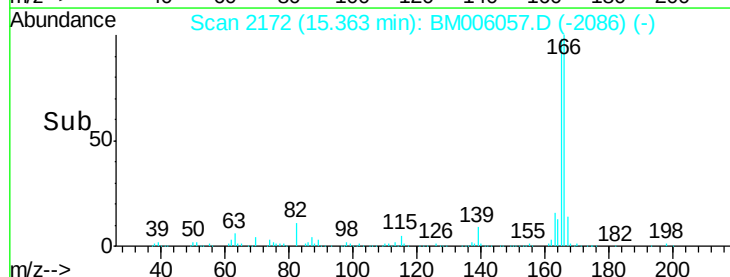
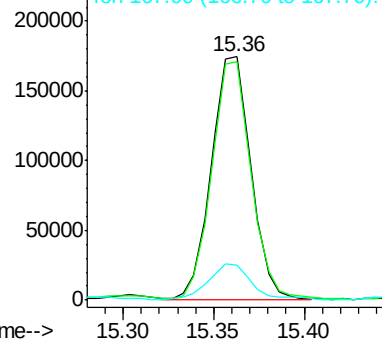
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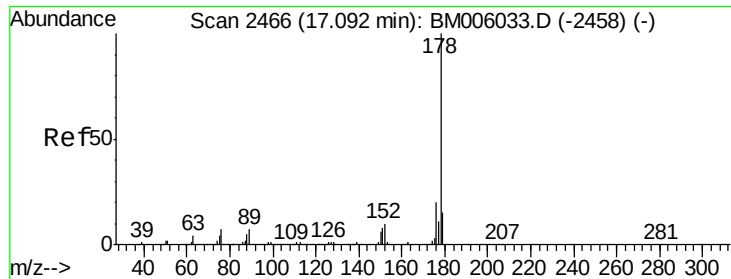
Acq: 27 Jun 2016 01:47

Tgt Ion:	166	Resp:	264522
Ion Ratio	Lower	Upper	
166	100		
165	97.8	76.8	115.2
167	14.1	10.8	16.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 51.90 ng/ul

RT: 17.10 min Scan# 2468

Delta R.T. 0.01 min

Lab File: BM006057.D

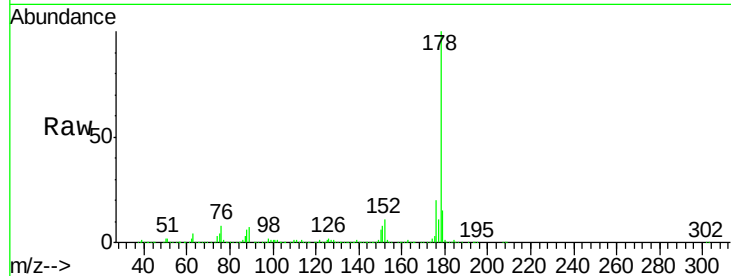
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Instrument :

BNA_M

ClientSampleId :

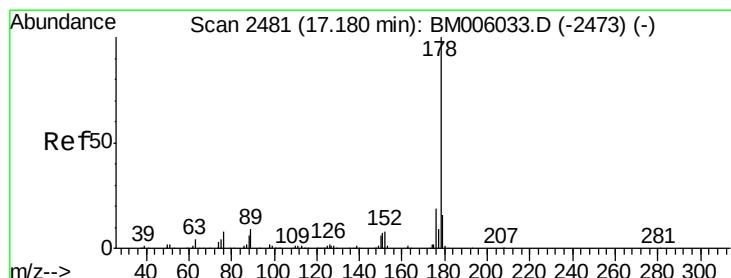
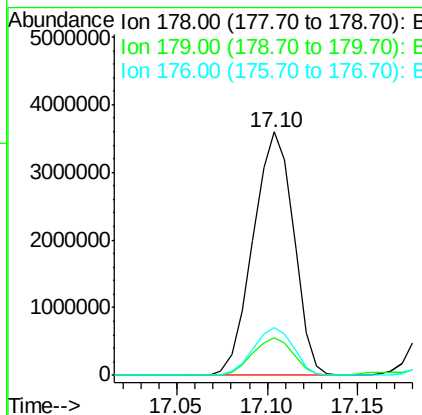
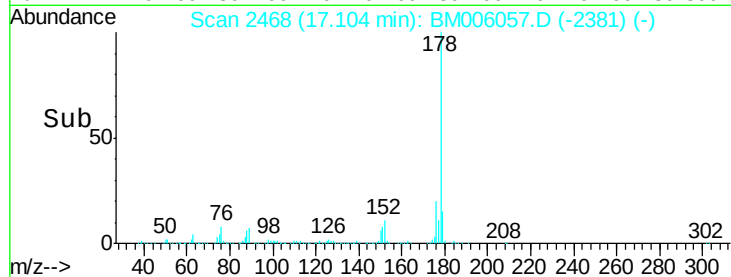
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Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.1	18.1
176	19.6	15.4	23.0

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#27

Anthracene

Concen: 11.47 ng/ul

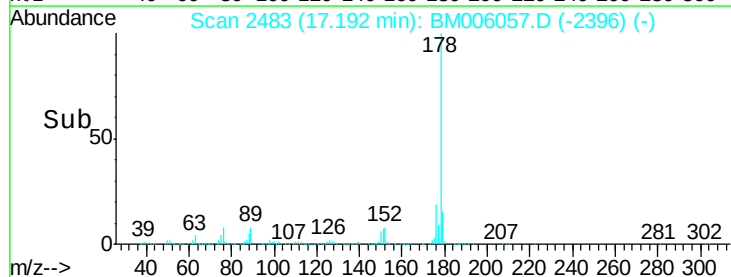
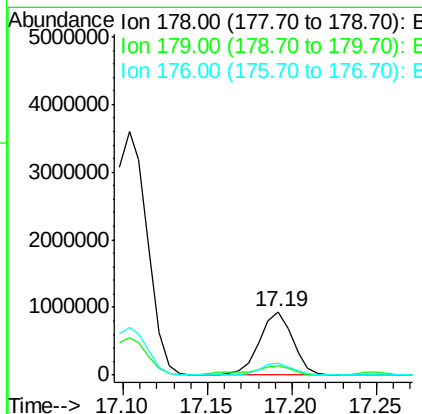
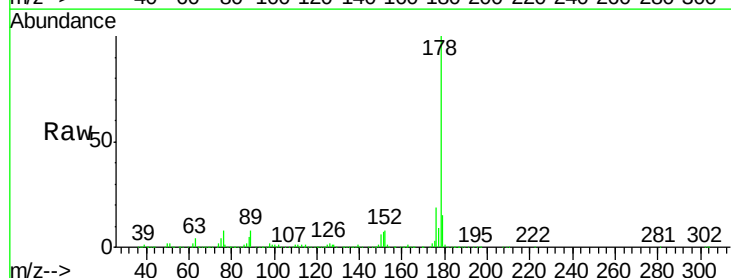
RT: 17.19 min Scan# 2483

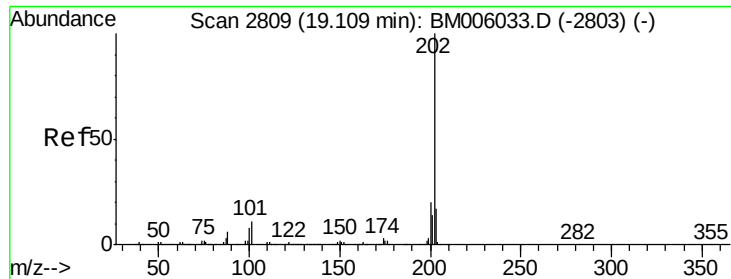
Delta R.T. 0.01 min

Lab File: BM006057.D

Acq: 27 Jun 2016 01:47

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.2	18.4
176	18.5	14.9	22.3





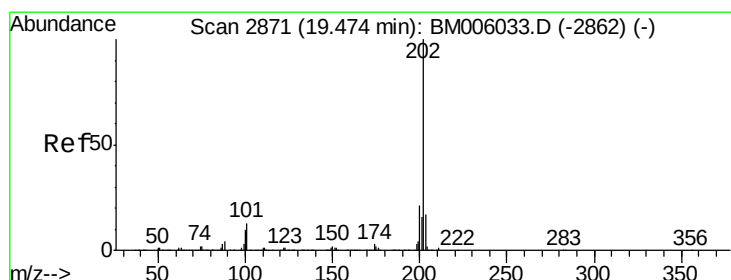
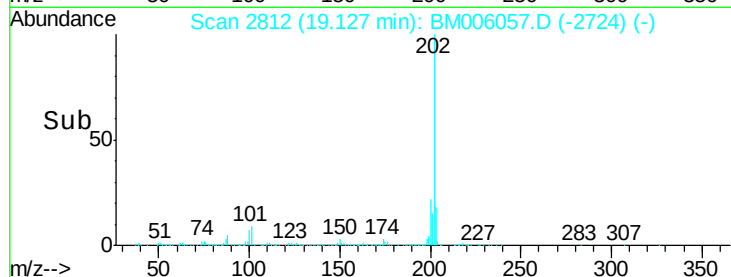
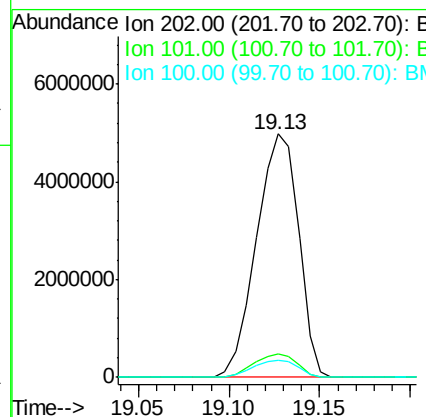
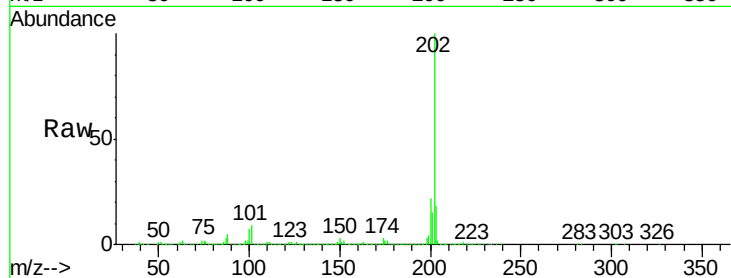
#28
Fluoranthene
Concen: 58.24 ng/ul
RT: 19.13 min Scan# 2812
Delta R.T. 0.02 min
Lab File: BM006057.D
Acq: 27 Jun 2016 01:47

Instrument :
BNA_M
ClientSampleId :
D9YA5MS

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	8.2	12.4
100	6.9	6.3	9.5

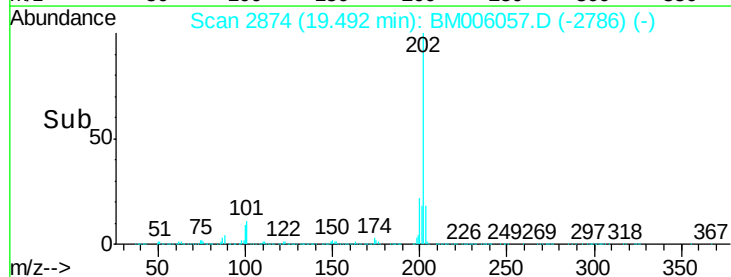
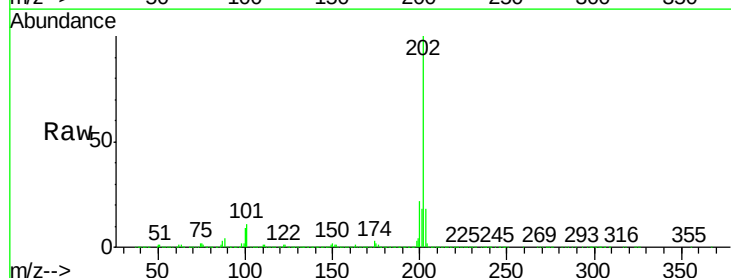
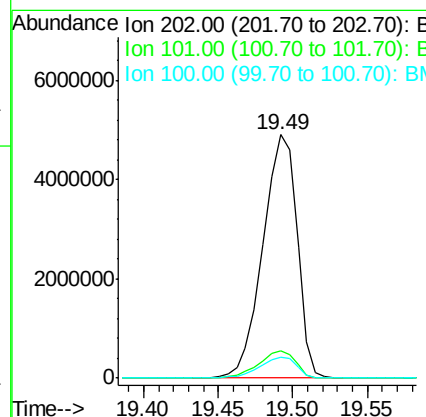
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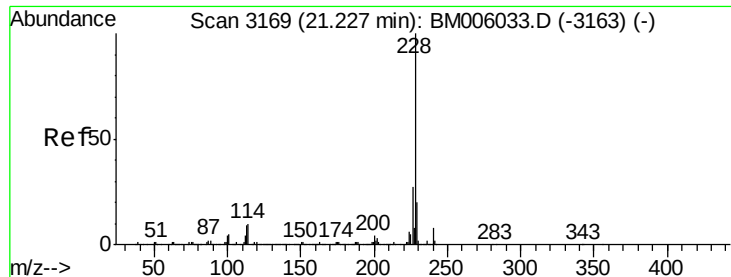
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#31
Pyrene
Concen: 94.26 ng/ul
RT: 19.49 min Scan# 2874
Delta R.T. 0.02 min
Lab File: BM006057.D
Acq: 27 Jun 2016 01:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.8	14.6
100	8.8	8.2	12.2





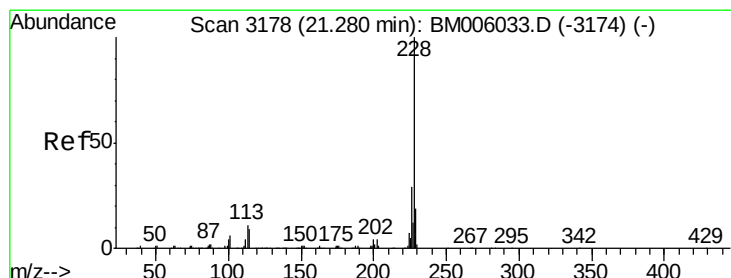
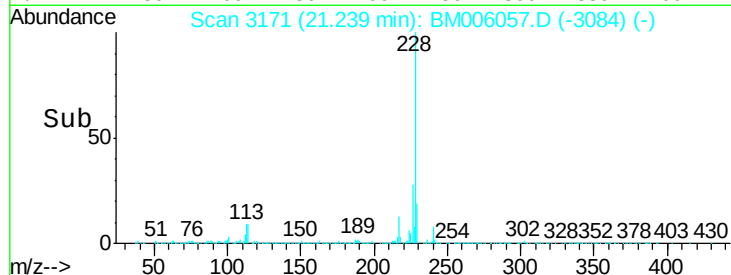
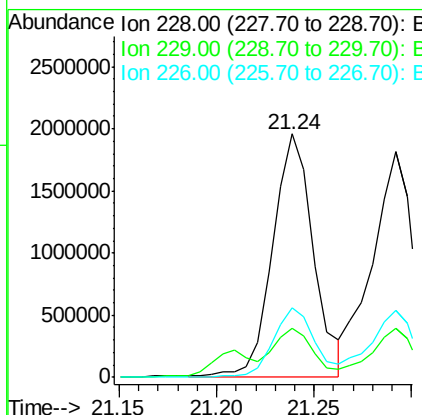
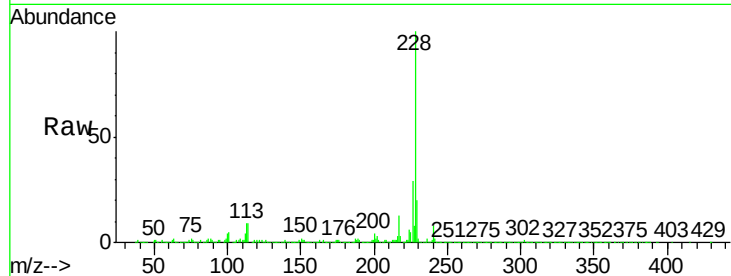
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Benzo(a)anthracene
Concen: 32.94 ng/ul
RT: 21.24 min Scan# 3171
Delta R.T. 0.01 min
Lab File: BM006057.D
Acq: 27 Jun 2016 01:47

Instrument :
BNA_M
ClientSampleId :
D9YA5MS

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.8	23.6
226	28.6	21.5	32.3

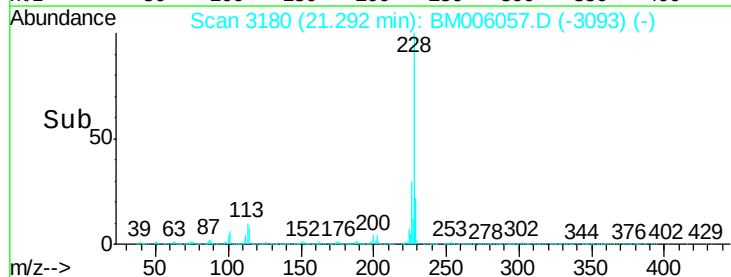
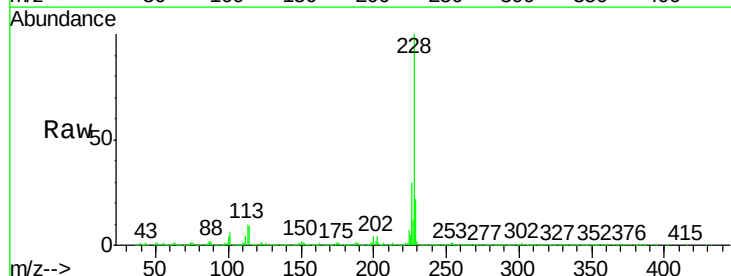
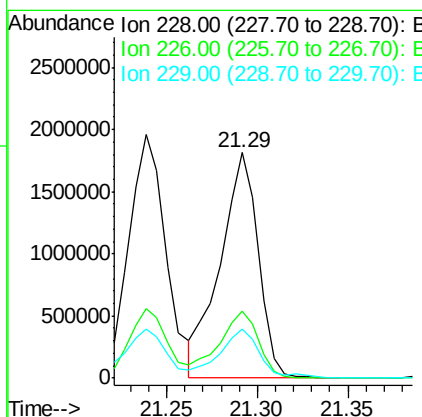
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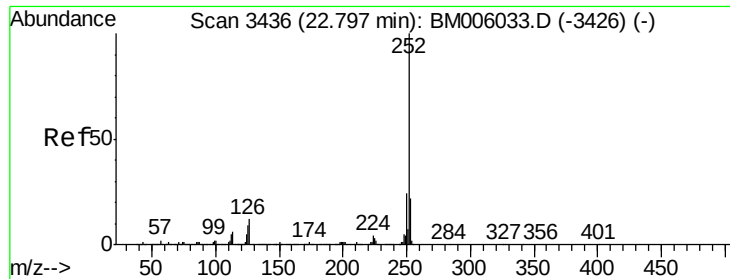
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#33
Chrysene
Concen: 33.61 ng/ul
RT: 21.29 min Scan# 3180
Delta R.T. 0.01 min
Lab File: BM006057.D
Acq: 27 Jun 2016 01:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5
229	21.9	15.4	23.2





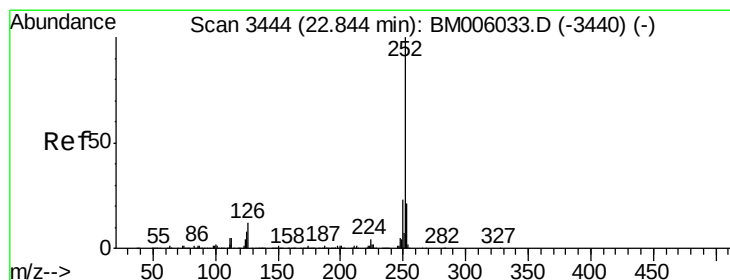
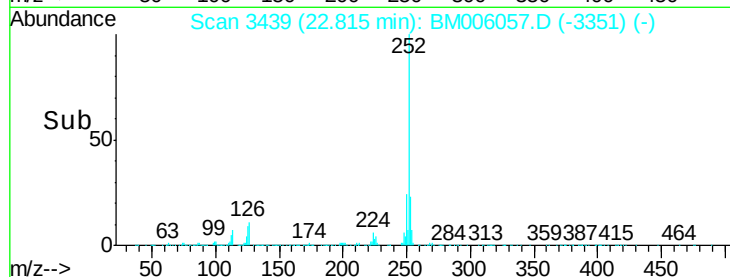
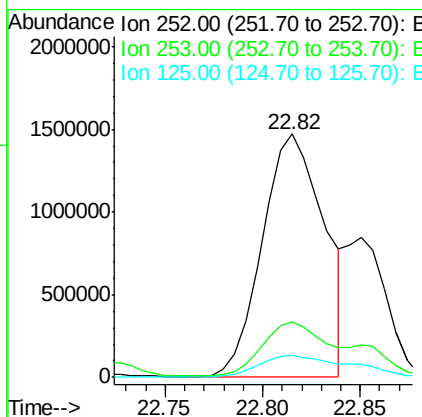
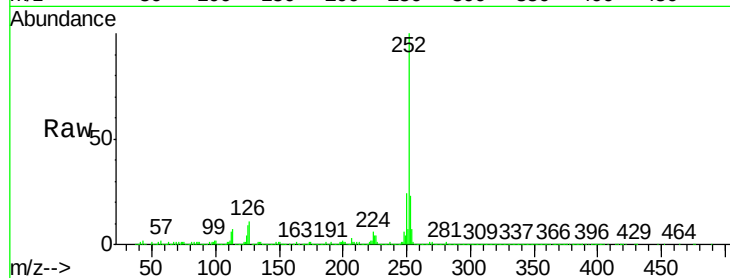
#35
Benzo(b)fluoranthene
Concen: 41.22 ng/ul
RT: 22.82 min Scan# 3439
Delta R.T. 0.02 min
Lab File: BM006057.D
Acq: 27 Jun 2016 01:47

Instrument :
BNA_M
ClientSampleId :
D9YA5MS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	9.0	6.8	10.2

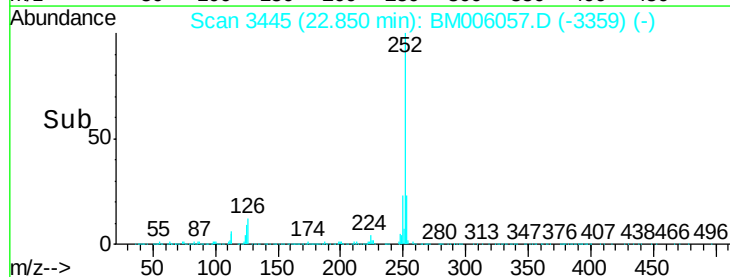
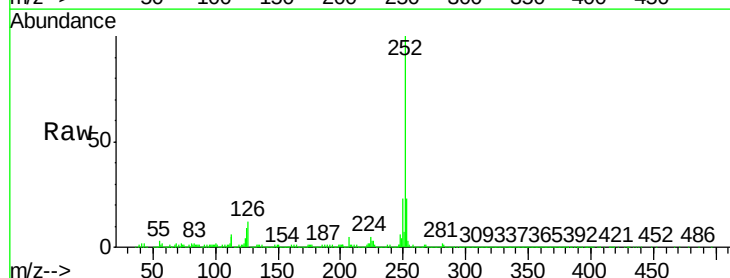
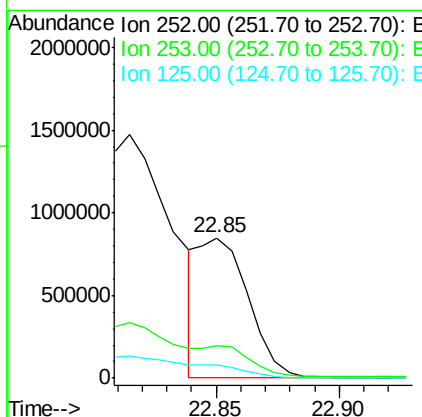
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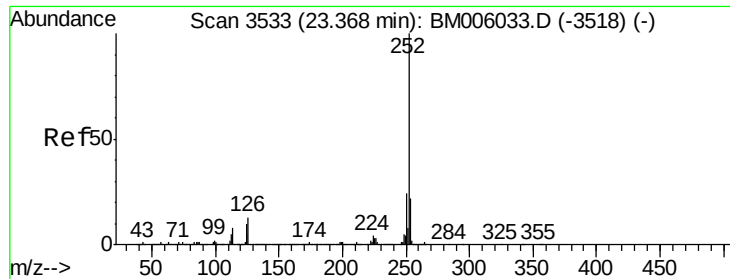
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#36
Benzo(k)fluoranthene
Concen: 16.38 ng/ul m
RT: 22.85 min Scan# 3445
Delta R.T. 0.01 min
Lab File: BM006057.D
Acq: 27 Jun 2016 01:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	9.0	7.0	10.4





#38

Benzo(a)pyrene

Concen: 30.65 ng/ul

RT: 23.38 min Scan# 3535

Delta R.T. 0.01 min

Lab File: BM006057.D

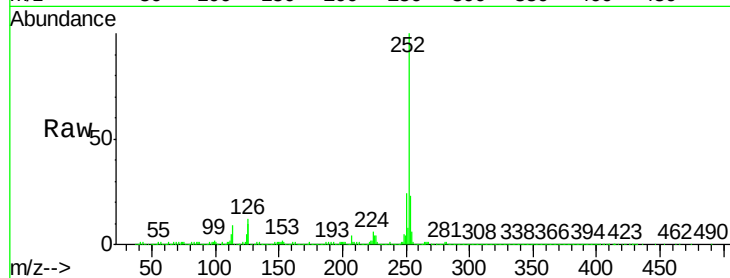
Acq: 27 Jun 2016 01:47

Instrument :

BNA_M

ClientSampleId :

D9YA5MS



Tgt Ion:252 Resp: 2307333

Ion Ratio Lower Upper

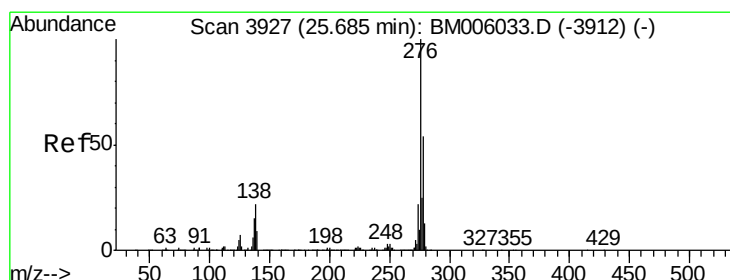
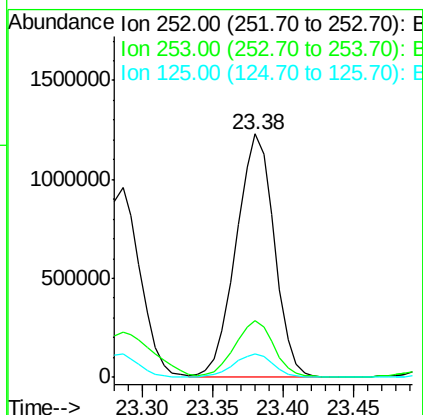
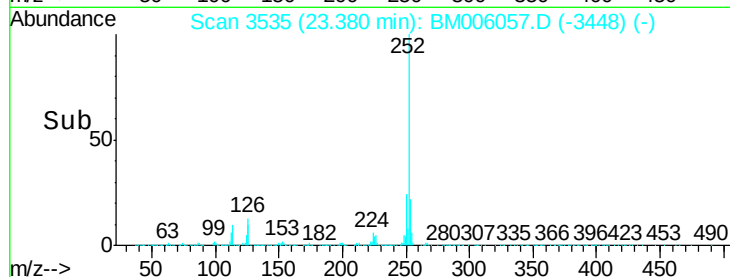
252 100

253 23.1 17.6 26.4

125 9.8 7.8 11.6

Manual Integrations
APPROVED

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#39

Indeno(1,2,3-cd)pyrene

Concen: 21.81 ng/ul

RT: 25.70 min Scan# 3929

Delta R.T. 0.01 min

Lab File: BM006057.D

Acq: 27 Jun 2016 01:47

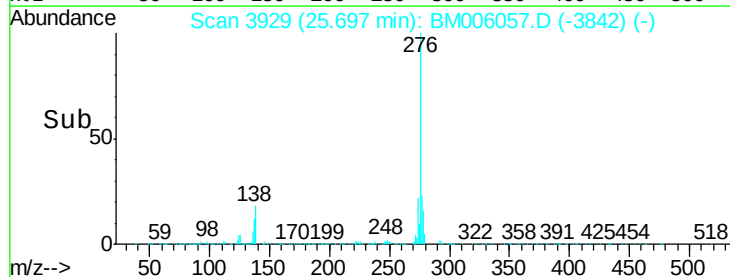
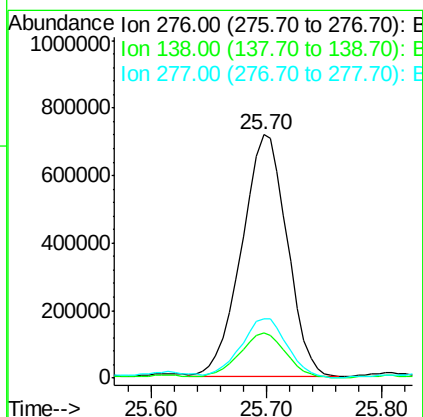
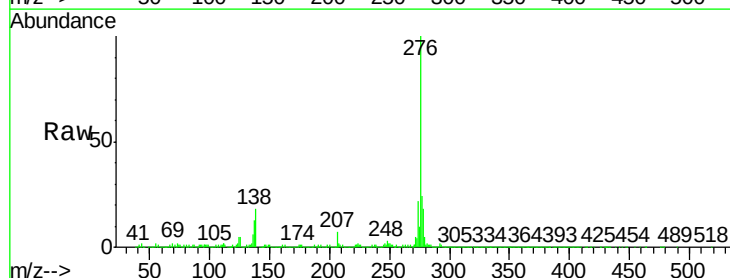
Tgt Ion:276 Resp: 1957010

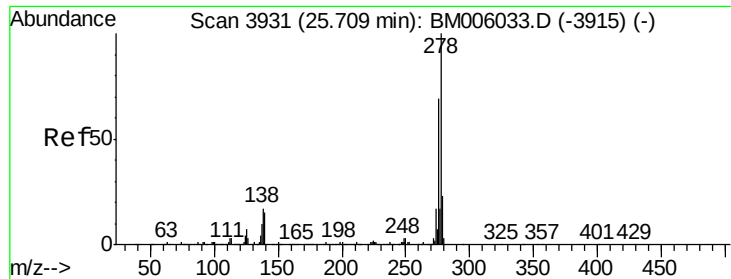
Ion Ratio Lower Upper

276 100

138 18.5 16.6 25.0

277 24.4 19.6 29.4





#40

Dibenzo(a,h)anthracene

Concen: 5.48 ng/ul m

RT: 25.70 min Scan# 3930

Delta R.T. -0.01 min

Lab File: BM006057.D

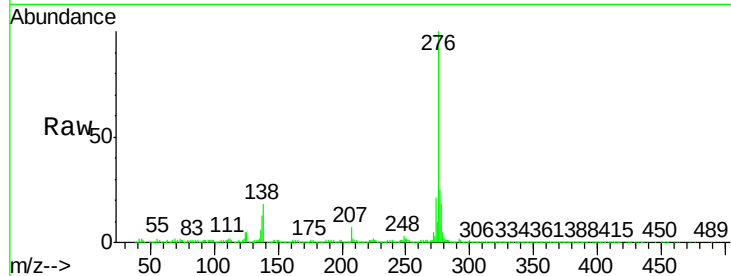
Acq: 27 Jun 2016 01:47

Instrument :

BNA_M

ClientSampleId :

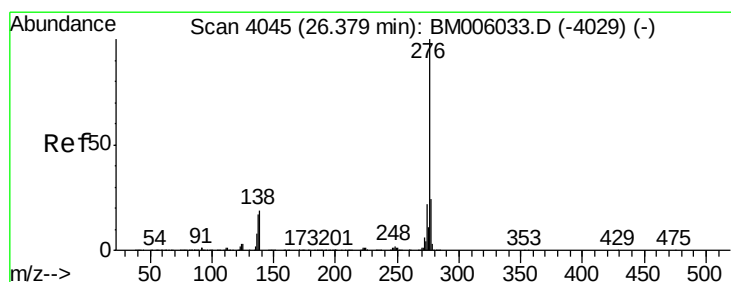
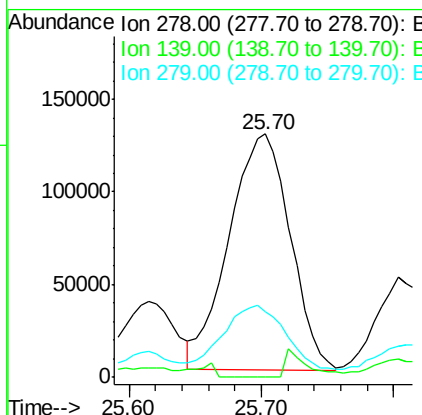
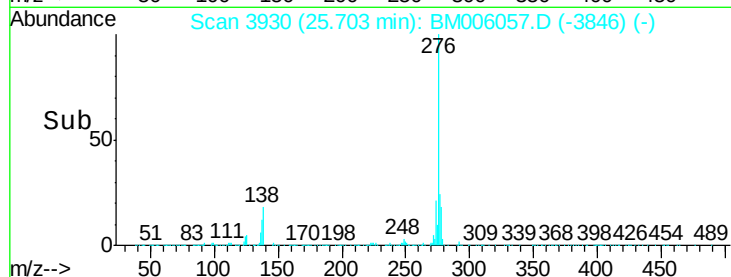
D9YA5MS



Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.4	17.2#
279	26.8	18.8	28.2

Manual Integrations
APPROVED

sohil
6/27/2016 8:06:21 PM



#41

Benzo(g,h,i)perylene

Concen: 26.54 ng/ul

RT: 26.38 min Scan# 4045

Delta R.T. 0.00 min

Lab File: BM006057.D

Acq: 27 Jun 2016 01:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.2	15.9	23.9
277	23.8	19.2	28.8

