

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062916\
 Data File : BM006142.D
 Acq On : 30 Jun 2016 01:15
 Operator : UM/SJ
 Sample : H3777-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YB2

Manual Integrations

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 6/30/2016 7:44:25 PM

Quant Time: Jun 30 04:10:05 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	291080	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1346550	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	780906	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1680243	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1221667	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1223769	20.00	ng/ul	0.00

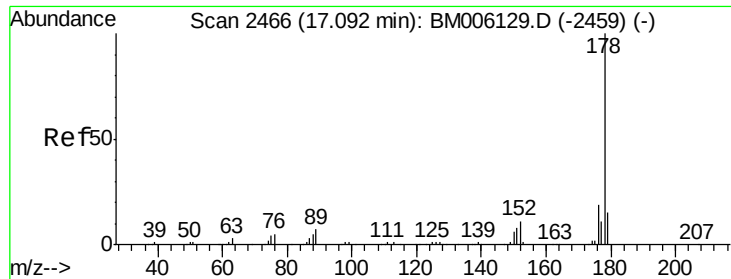
System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	9317	1.49	ng/uL	0.00
3) Phenol-d5	6.82	99	486290	20.45	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	312500	22.29	ng/ul	0.00
5) 2-Chlorophenol-d4	7.18	132	382156	20.94	ng/ul	0.00
6) 4-Methylphenol-d8	8.35	113	340638	17.80	ng/ul	-0.01
8) Nitrobenzene-d5	8.80	128	203497	22.44	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	225218	21.70	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.05	165	407816	21.53	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	344248	23.00	ng/ul	0.00
16) Dimethylphthalate-d6	13.71	166	1274207	22.76	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1592825	23.45	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	145673	13.72	ng/ul	0.00
21) Fluorene-d10	15.30	176	1079770	22.61	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	150748	25.33	ng/ul	0.00
26) Anthracene-d10	17.14	188	1549334	22.99	ng/ul	0.00
30) Pyrene-d10	19.45	212	1439075	29.25	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1135807	23.32	ng/ul	0.00

Target Compounds

						Qvalue
25) Phenanthrene	17.09	178	253843	3.19	ng/ul	99
28) Fluoranthene	19.11	202	651291	6.69	ng/ul	99
31) Pyrene	19.47	202	543070	8.43	ng/ul	97
32) Benzo(a)anthracene	21.23	228	297432	4.68	ng/ul	98
33) Chrysene	21.28	228	322713	5.52	ng/ul	96
35) Benzo(b)fluoranthene	22.80	252	474945	7.48	ng/ul	98
36) Benzo(k)fluoranthene	22.83	252	139436m	2.34	ng/ul	
38) Benzo(a)pyrene	23.36	252	291221	4.85	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.67	276	232961	3.74	ng/ul#	92
40) Dibenzo(a,h)anthracene	25.68	278	66079m	1.28	ng/ul	
41) Benzo(g,h,i)perylene	26.35	276	213748	4.09	ng/ul	96

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



#25

Phenanthrene

Concen: 3.19 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. 0.00 min

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Acq: 30 Jun 2016 01:15

Instrument :

BNA_M

ClientSampleId :

D9YB2

Tgt Ion:178 Resp: 253843

Ion Ratio Lower Upper

178 100

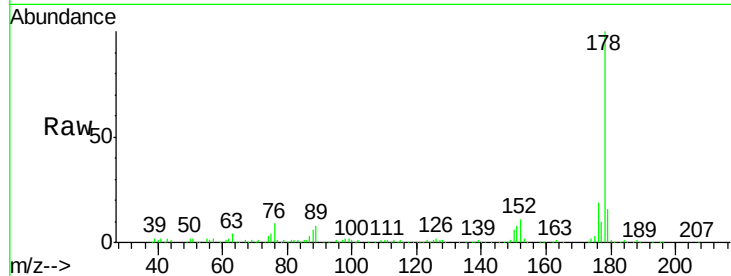
179 15.6 12.2 18.2

176 18.8 15.3 22.9

Manual Integrations

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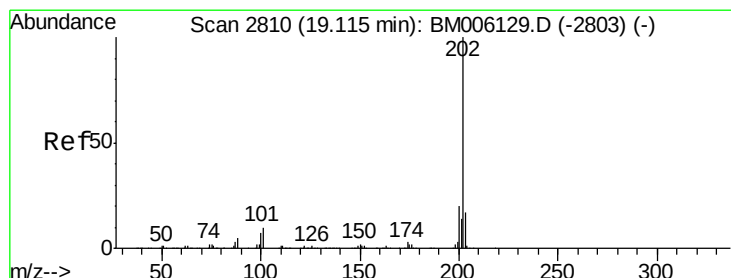
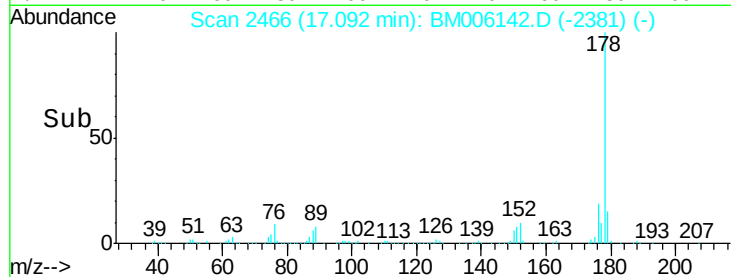
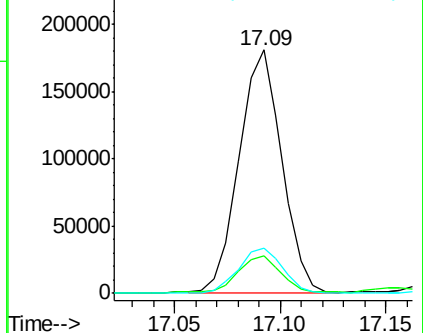
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#28

Fluoranthene

Concen: 6.69 ng/ul

RT: 19.11 min Scan# 2809

Delta R.T. -0.01 min

Lab File: BM006142.D

Acq: 30 Jun 2016 01:15

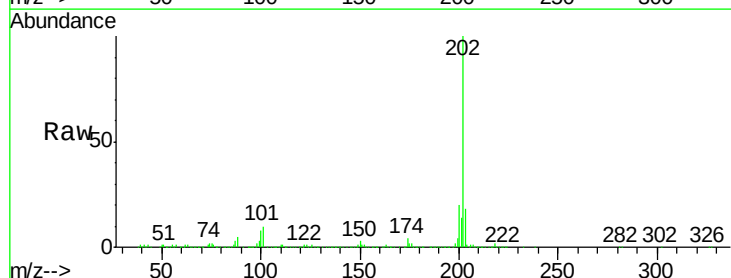
Tgt Ion:202 Resp: 651291

Ion Ratio Lower Upper

202 100

101 10.3 8.5 12.7

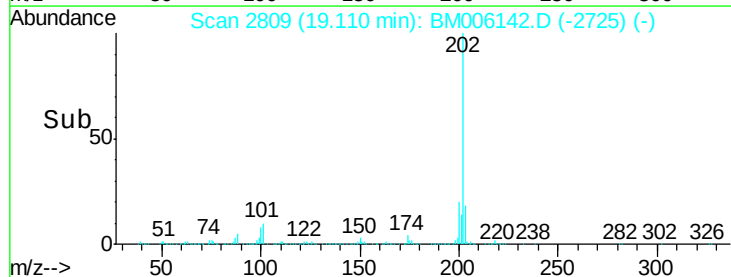
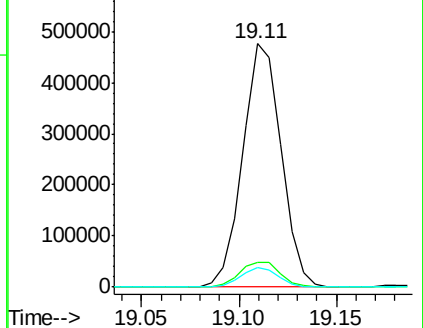
100 8.0 6.5 9.7

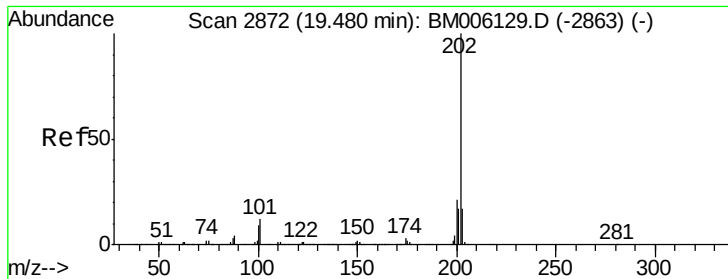


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





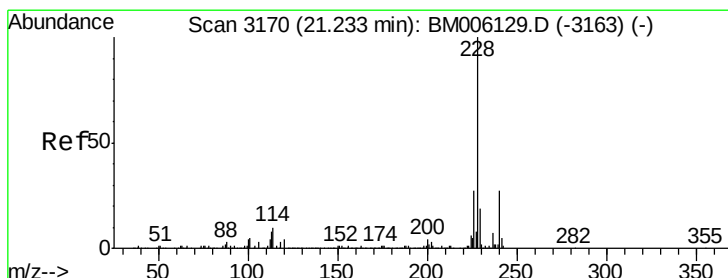
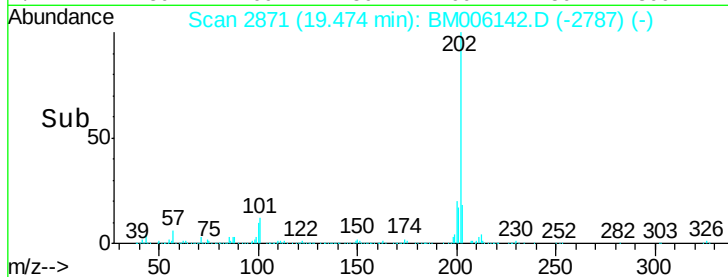
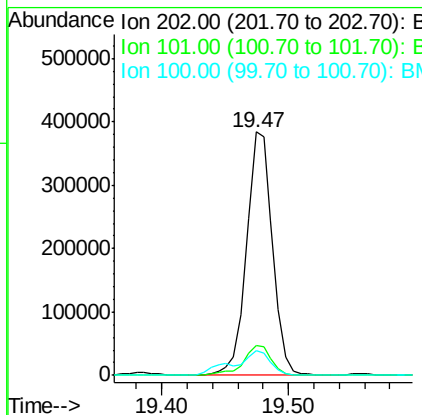
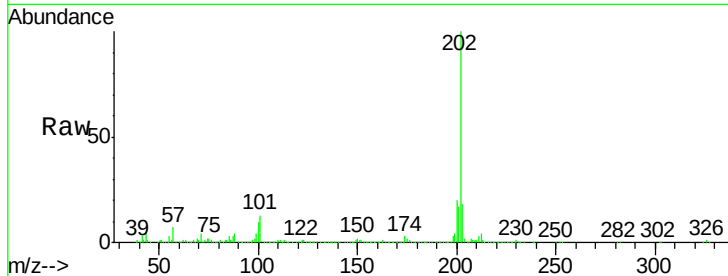
#31
 Pyrene
 Concen: 8.43 ng/ul
 RT: 19.47 min Scan# 2871
 Delta R.T. -0.01 min
 Lab File: BM006142.D
 Acq: 30 Jun 2016 01:15

Instrument :
 BNA_M
 ClientSampleId :
 D9YB2

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	543070		
101	12.5		11.0	16.4
100	10.0		8.9	13.3

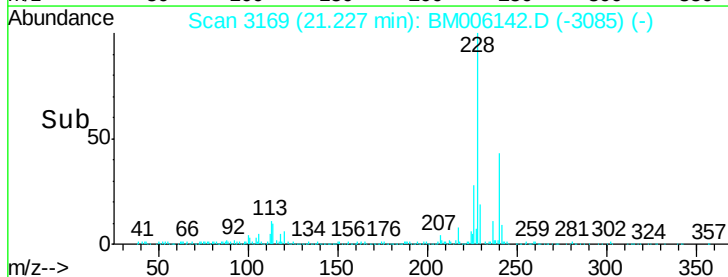
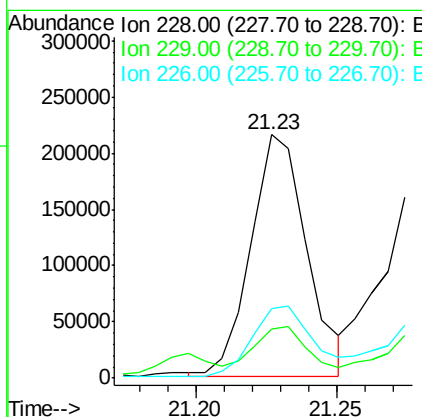
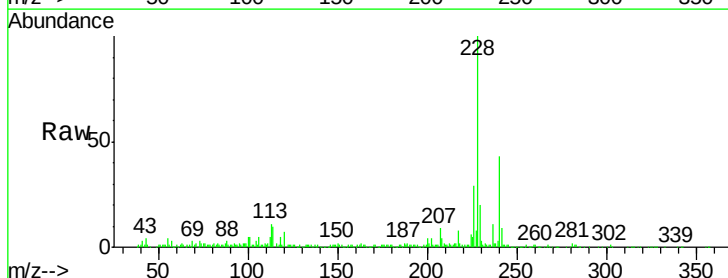
Manual Integrations

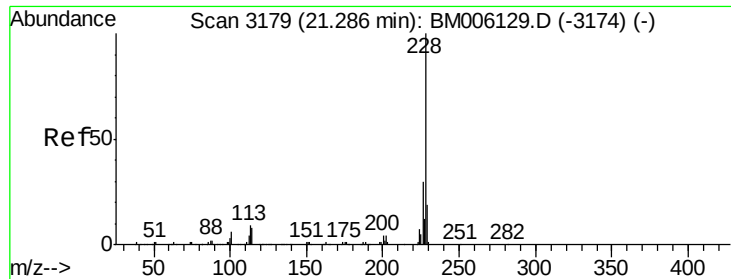
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#32
 Benzo(a)anthracene
 Concen: 4.68 ng/ul
 RT: 21.23 min Scan# 3169
 Delta R.T. -0.01 min
 Lab File: BM006142.D
 Acq: 30 Jun 2016 01:15

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	297432		
229	20.1		15.6	23.4
226	28.6		21.6	32.4





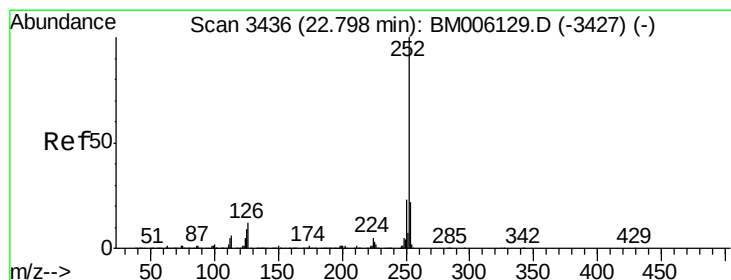
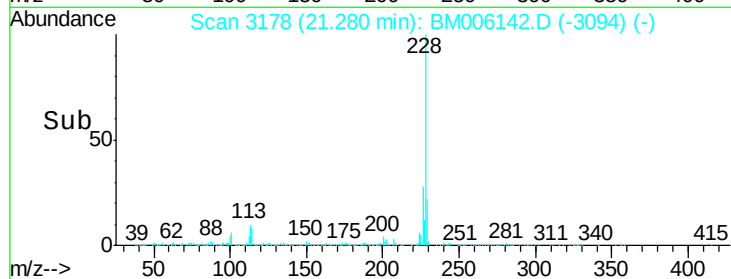
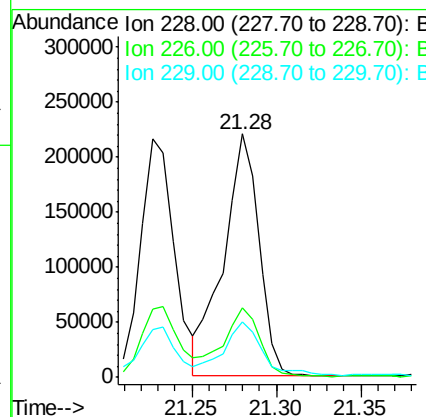
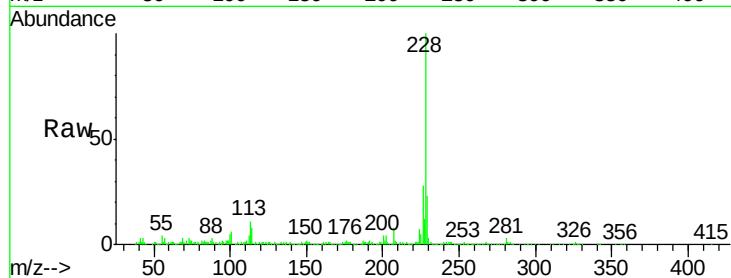
#33
Chrysene
 Concen: 5.52 ng/ul
 RT: 21.28 min Scan# 3178
 Delta R.T. -0.01 min
 Lab File: BM006142.D
 Acq: 30 Jun 2016 01:15

Instrument :
 BNA_M
 ClientSampleId :
 D9YB2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.8	35.6
229	22.7	15.8	23.6

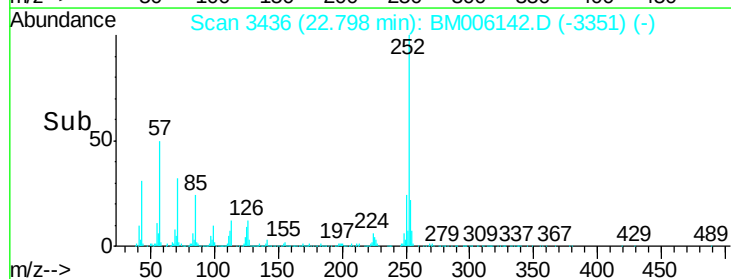
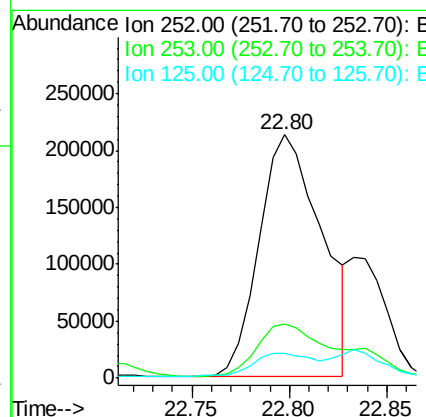
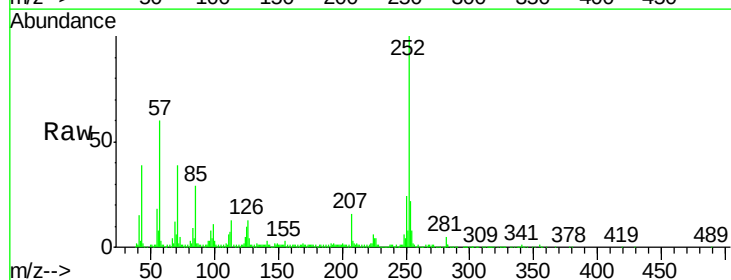
Manual Integrations

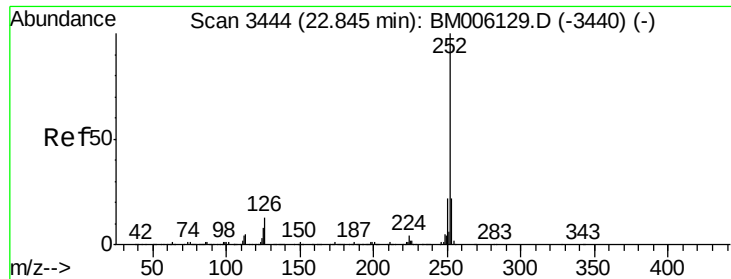
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#35
Benzo(b)fluoranthene
 Concen: 7.48 ng/ul
 RT: 22.80 min Scan# 3436
 Delta R.T. 0.00 min
 Lab File: BM006142.D
 Acq: 30 Jun 2016 01:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	10.2	7.8	11.6





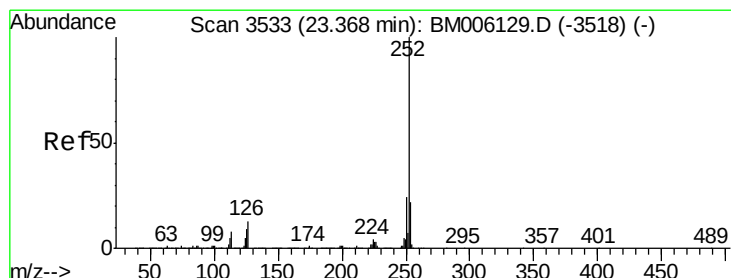
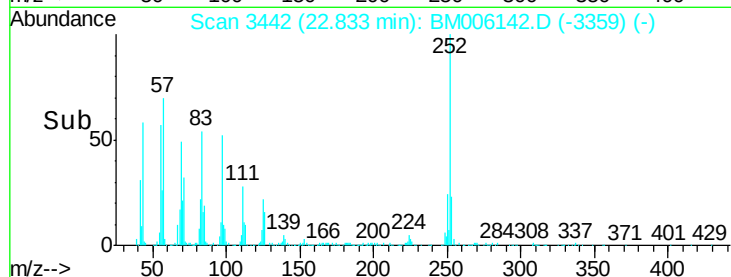
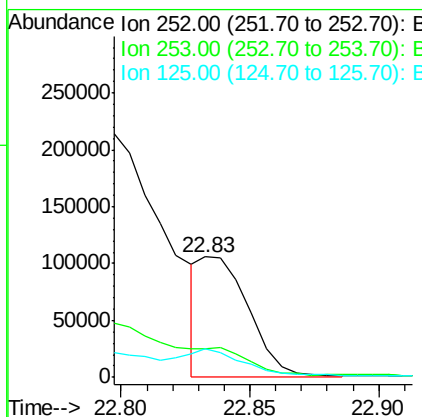
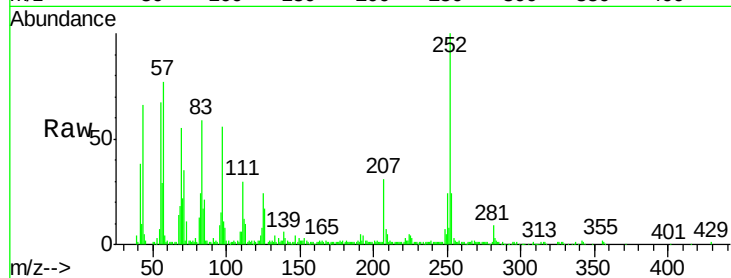
#36
Benzo(k)fluoranthene
Concen: 2.34 ng/ul m
RT: 22.83 min Scan# 3442
Delta R.T. -0.01 min
Lab File: BM006142.D
Acq: 30 Jun 2016 01:15

Instrument :
BNA_M
ClientSampled :
D9YB2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	23.6	8.1	12.1#

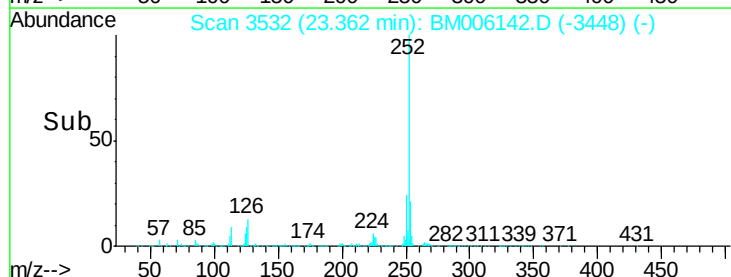
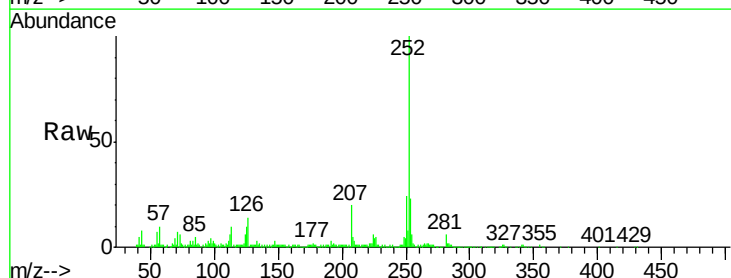
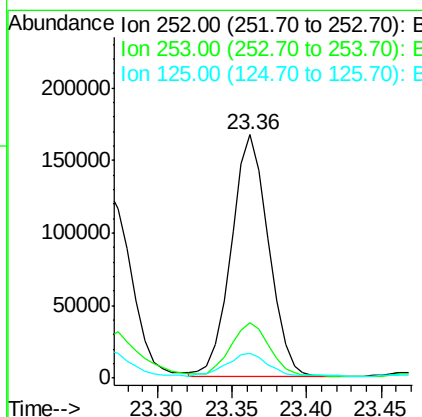
Manual Integrations

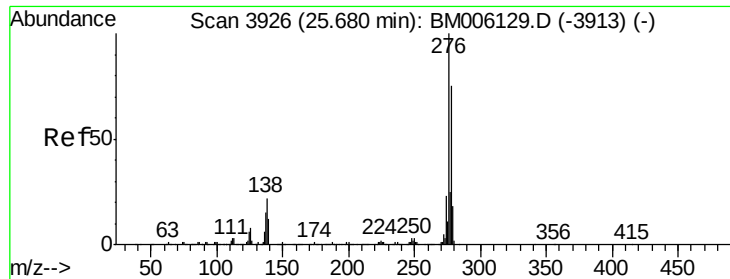
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#38
Benzo(a)pyrene
Concen: 4.85 ng/ul
RT: 23.36 min Scan# 3532
Delta R.T. -0.01 min
Lab File: BM006142.D
Acq: 30 Jun 2016 01:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	10.4	8.7	13.1





#39

Indeno(1,2,3-cd)pyrene

Concen: 3.74 ng/ul

RT: 25.67 min Scan# 3925

Delta R.T. -0.01 min

Lab File: BM006142.D

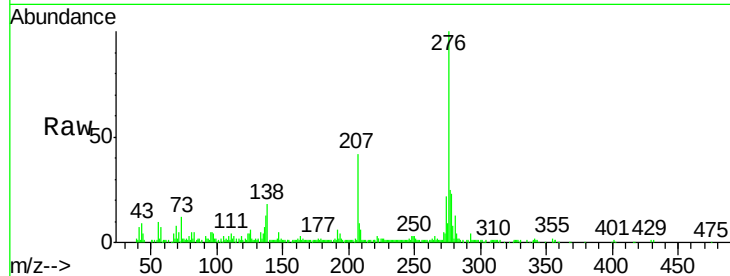
Acq: 30 Jun 2016 01:15

Instrument :

BNA_M

ClientSampleId :

D9YB2



Tgt Ion: 276 Resp: 232961

Ion Ratio Lower Upper

276 100

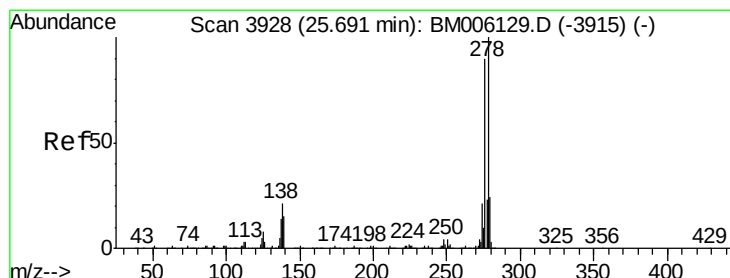
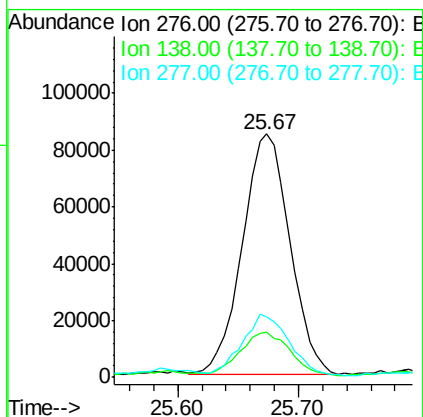
138 18.4 20.4 30.6#

277 24.9 20.6 30.8

Manual Integrations

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#40

Dibenzo(a,h)anthracene

Concen: 1.28 ng/ul m

RT: 25.68 min Scan# 3926

Delta R.T. -0.01 min

Lab File: BM006142.D

Acq: 30 Jun 2016 01:15

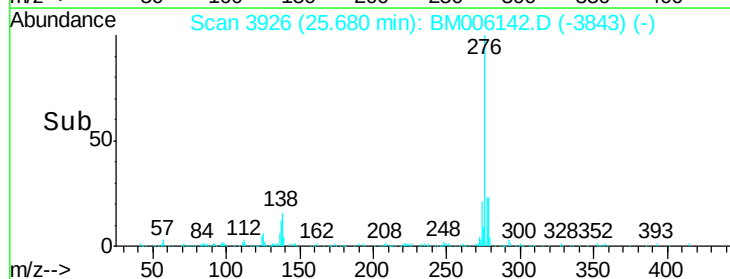
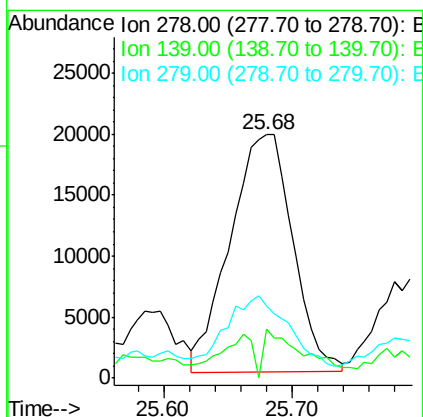
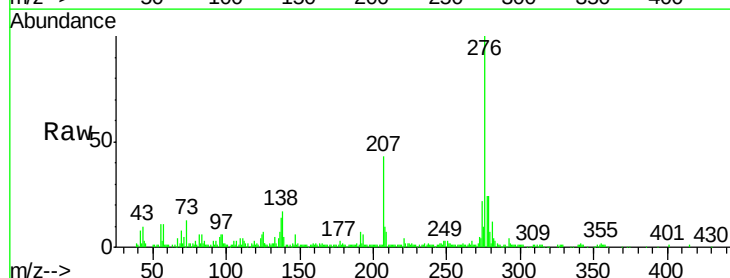
Tgt Ion: 278 Resp: 66079

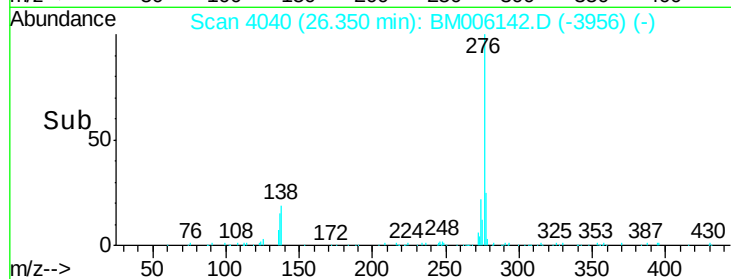
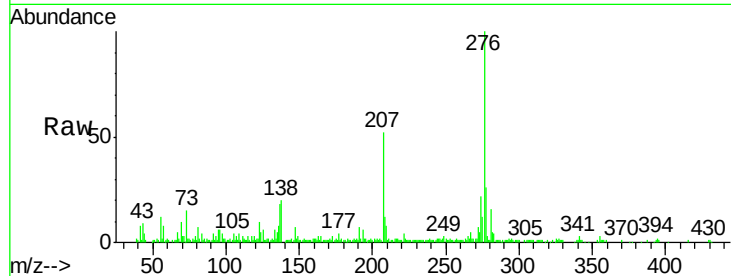
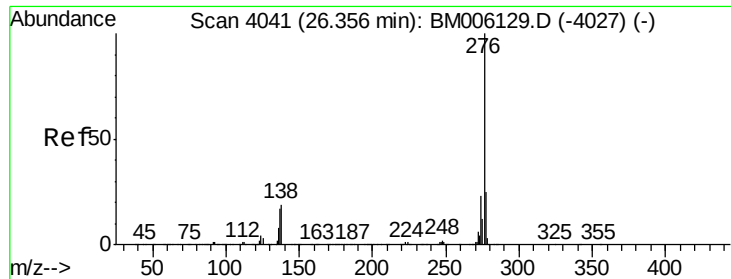
Ion Ratio Lower Upper

278 100

139 20.3 13.0 19.4#

279 29.6 18.8 28.2#





#41

Benzo(g,h,i)perylene

Concen: 4.09 ng/ul

RT: 26.35 min Scan# 4040

Delta R.T. -0.01 min

Lab File: BM006142.D

Acq: 30 Jun 2016 01:15

Instrument :

BNA_M

ClientSampleId :

D9YB2

Tgt Ion: 276 Resp: 213748

Ion Ratio Lower Upper

276 100

138 20.2 16.6 25.0

277 26.4 18.9 28.3

Manual Integrations

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