

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062916\
 Data File : BM006139.D
 Acq On : 29 Jun 2016 23:27
 Operator : UM/SJ
 Sample : H3779-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YE6

Manual Integrations

sohil
 6/30/2016 7:44:17 PM

Quant Time: Jun 30 04:03:52 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	141106	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	706230	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	455346	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.04	188	1135525	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1413324	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1382173	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.16	96	3531	1.16	ng/uL	0.00
3) Phenol-d5	6.82	99	194161	16.84	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	121401	17.86	ng/ul	0.00
5) 2-Chlorophenol-d4	7.18	132	147413	16.66	ng/ul	0.00
6) 4-Methylphenol-d8	8.35	113	165752	17.87	ng/ul	-0.01
8) Nitrobenzene-d5	8.80	128	78869	16.58	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	86934	15.97	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.05	165	166062	16.72	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	180464	22.98	ng/ul	0.00
16) Dimethylphthalate-d6	13.71	166	553763	16.96	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	691569	17.46	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	82724	13.36	ng/ul	0.00
21) Fluorene-d10	15.30	176	499176	17.92	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	66377	16.50	ng/ul	0.00
26) Anthracene-d10	17.14	188	787493	17.29	ng/ul	0.00
30) Pyrene-d10	19.44	212	969246	17.03	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	952760	17.32	ng/ul	0.00

Target Compounds

					Qvalue
25) Phenanthrene	17.09	178	95284	1.77 ng/ul	99
28) Fluoranthene	19.11	202	291906	4.44 ng/ul	99
31) Pyrene	19.47	202	228294	3.06 ng/ul	98
32) Benzo(a)anthracene	21.23	228	141060	1.92 ng/ul	97
33) Chrysene	21.28	228	160608	2.37 ng/ul	98
35) Benzo(b)fluoranthene	22.80	252	226903	3.16 ng/ul	96
36) Benzo(k)fluoranthene	22.83	252	83437m	1.24 ng/ul	
38) Benzo(a)pyrene	23.36	252	137729	2.03 ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.67	276	91948	1.31 ng/ul#	94
41) Benzo(g,h,i)perylene	26.34	276	74713	1.27 ng/ul	96

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

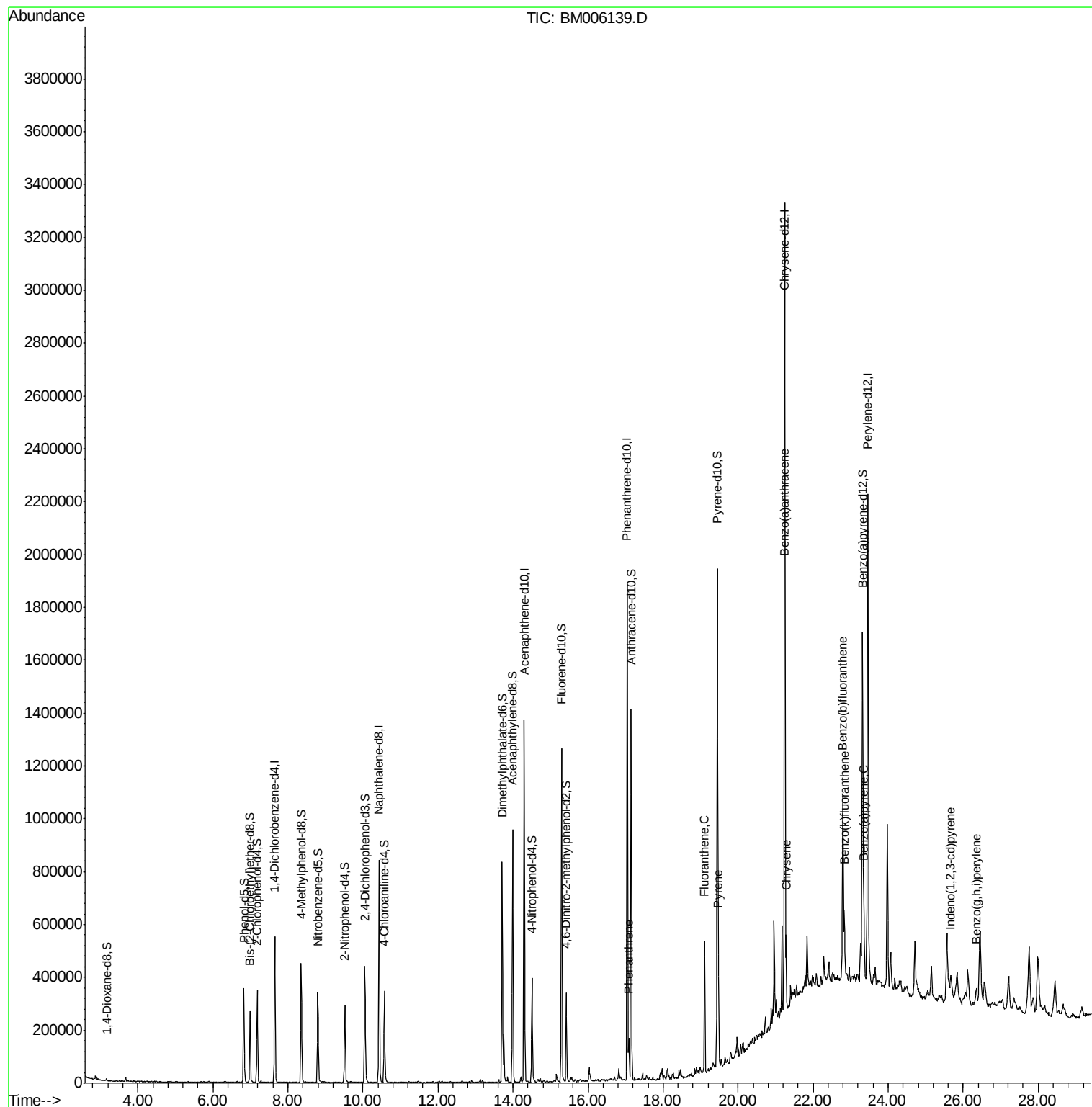
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062916\
Data File : BM006139.D
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Operator : UM/SJ
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ALS Vial : 23 Sample Multiplier: 1

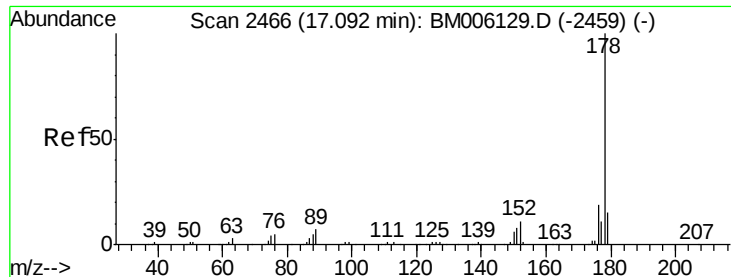
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 29 00:57:09 2016
Response via : Initial Calibration





#25

Phenanthrene

Concen: 1.77 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BM006139.D

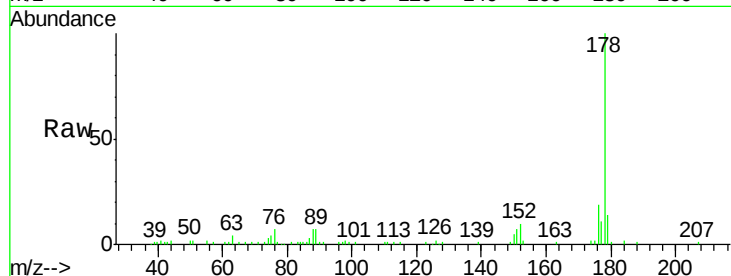
Acq: 29 Jun 2016 23:27

Instrument :

BNA_M

ClientSampleId :

D9YE6



Tgt Ion:178 Resp: 95284

Ion Ratio Lower Upper

178 100

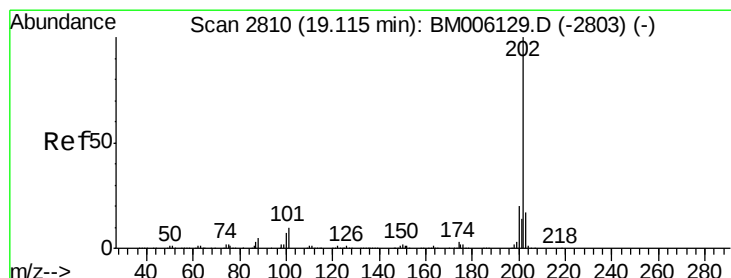
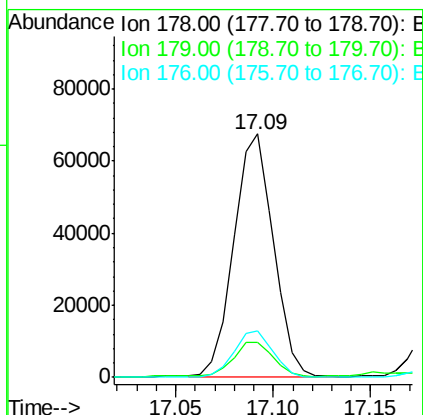
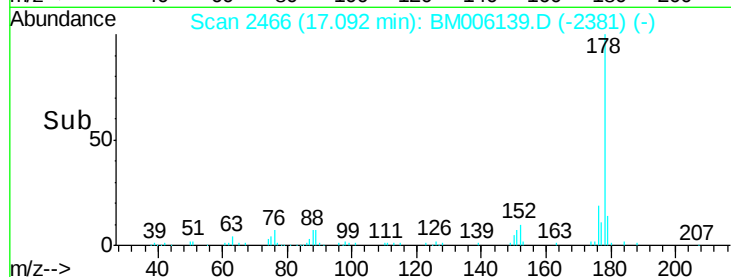
179 14.4 12.2 18.2

176 19.0 15.3 22.9

Manual Integrations

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#28

Fluoranthene

Concen: 4.44 ng/ul

RT: 19.11 min Scan# 2809

Delta R.T. -0.01 min

Lab File: BM006139.D

Acq: 29 Jun 2016 23:27

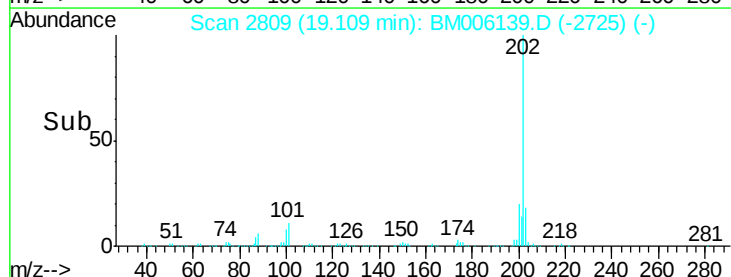
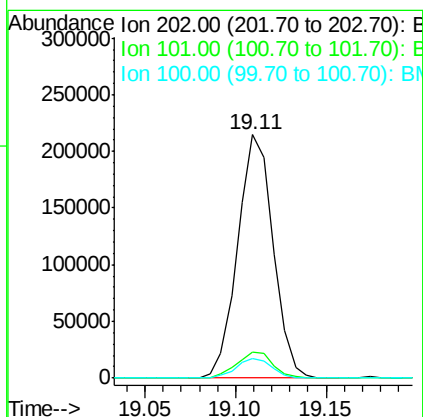
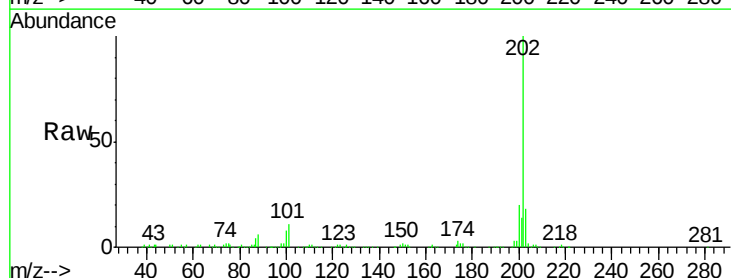
Tgt Ion:202 Resp: 291906

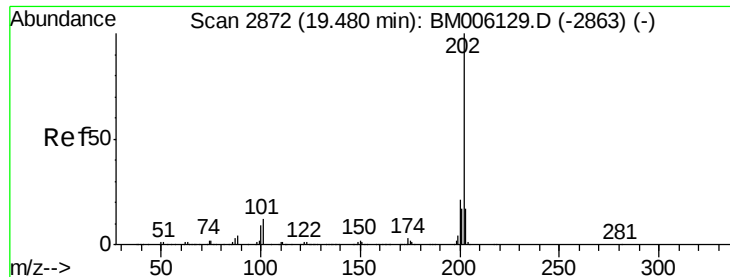
Ion Ratio Lower Upper

202 100

101 10.8 8.5 12.7

100 7.8 6.5 9.7





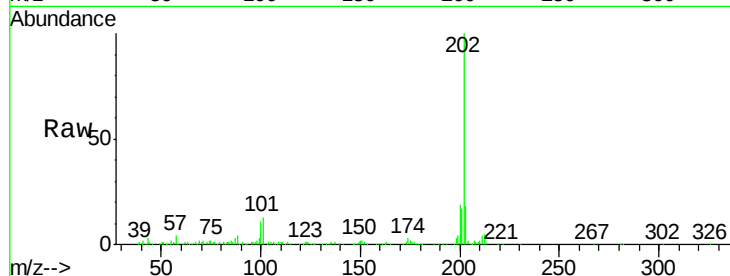
#31
 Pyrene
 Concen: 3.06 ng/ul
 RT: 19.47 min Scan# 2871
 Delta R.T. -0.01 min
 Lab File: BM006139.D
 Acq: 29 Jun 2016 23:27

Instrument :
 BNA_M
 ClientSampleId :
 D9YE6

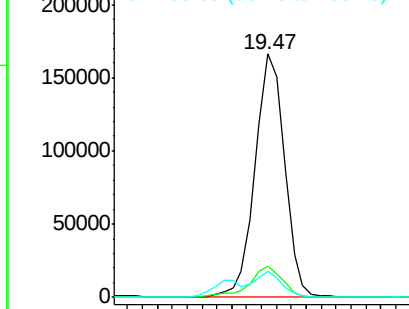
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	228294		
101	12.6	11.0	16.4	
100	10.6	8.9	13.3	

Manual Integrations

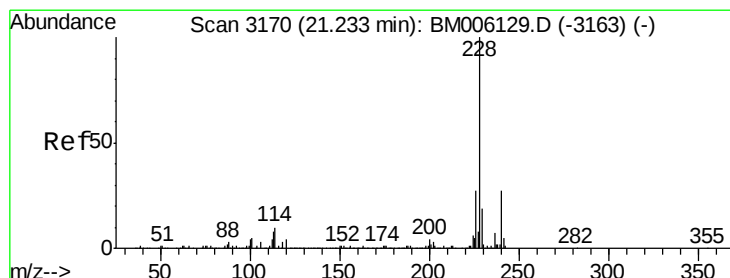
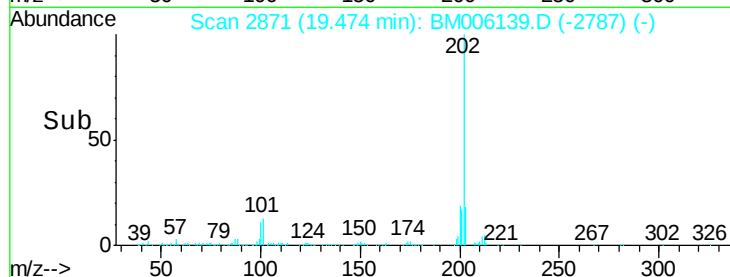
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Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B



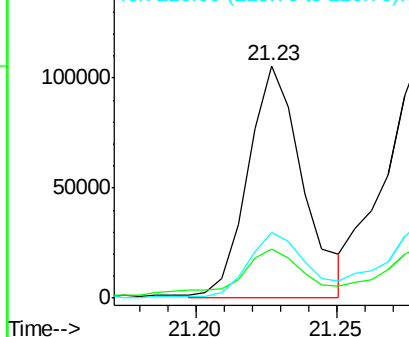
Time-->



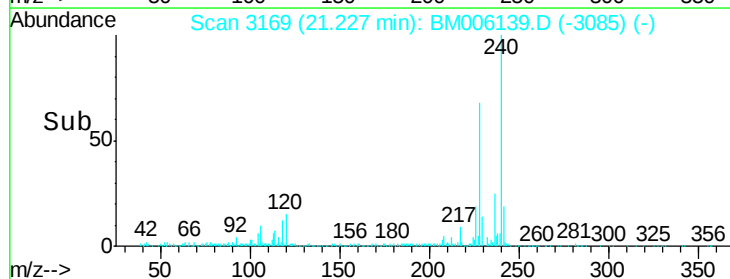
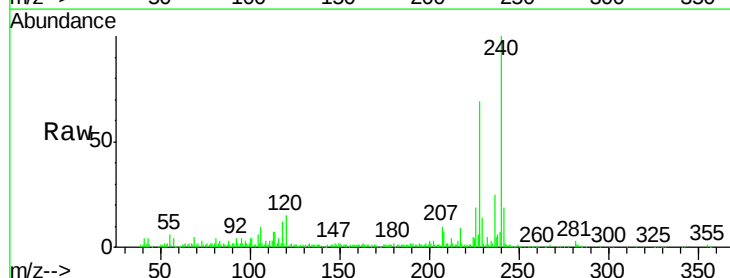
#32
 Benzo(a)anthracene
 Concen: 1.92 ng/ul
 RT: 21.23 min Scan# 3169
 Delta R.T. -0.01 min
 Lab File: BM006139.D
 Acq: 29 Jun 2016 23:27

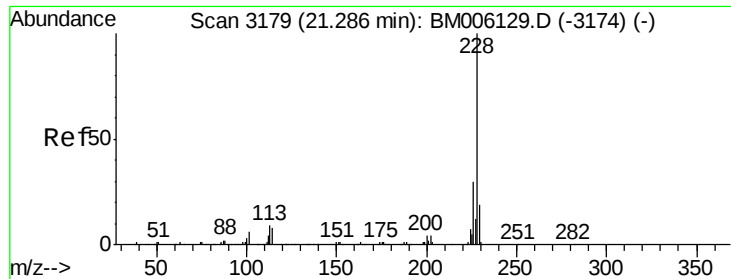
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	141060		
229	21.0	15.6	23.4	
226	28.1	21.6	32.4	

Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 229.00 (228.70 to 229.70): E
 Ion 226.00 (225.70 to 226.70): E



Time-->





#33

Chrysene

Concen: 2.37 ng/ul

RT: 21.28 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BM006139.D

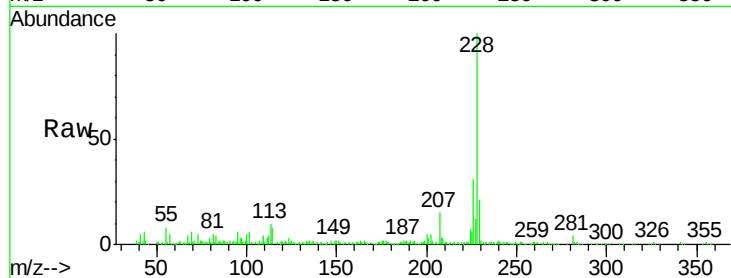
Acq: 29 Jun 2016 23:27

Instrument :

BNA_M

ClientSampled :

D9YE6



Tgt Ion:228 Resp: 160608

Ion Ratio Lower Upper

228 100

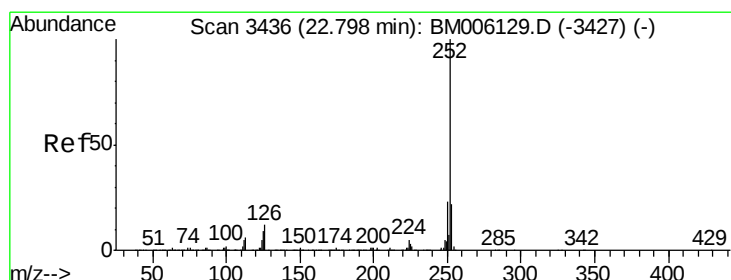
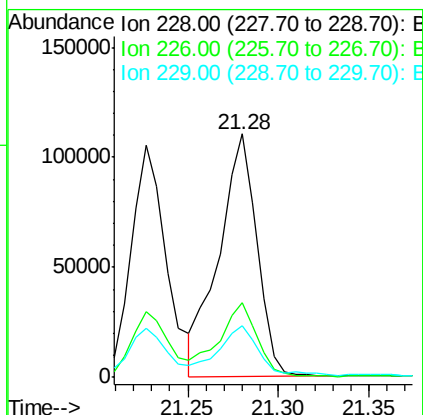
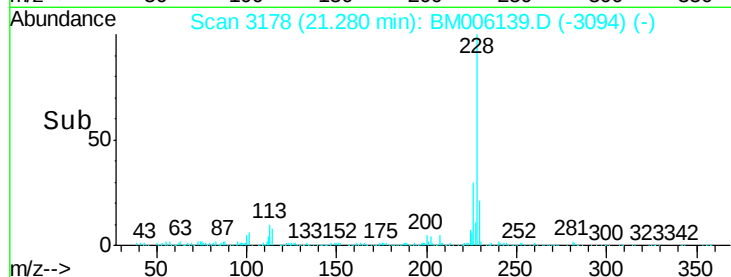
226 30.6 23.8 35.6

229 21.2 15.8 23.6

Manual Integrations

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#35

Benzo(b)fluoranthene

Concen: 3.16 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. 0.00 min

Lab File: BM006139.D

Acq: 29 Jun 2016 23:27

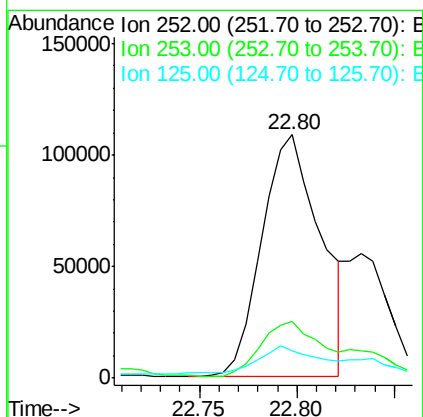
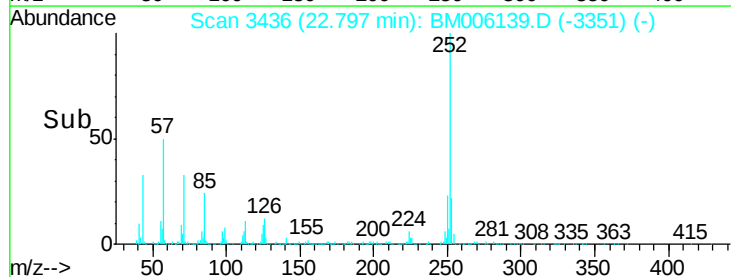
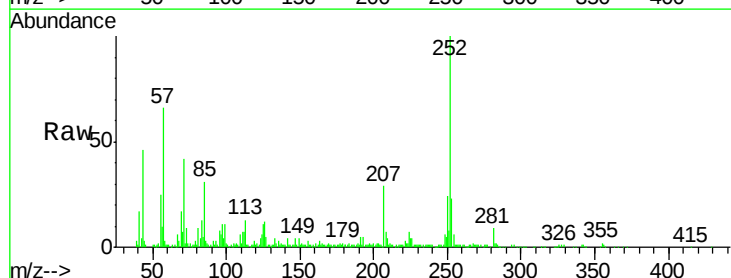
Tgt Ion:252 Resp: 226903

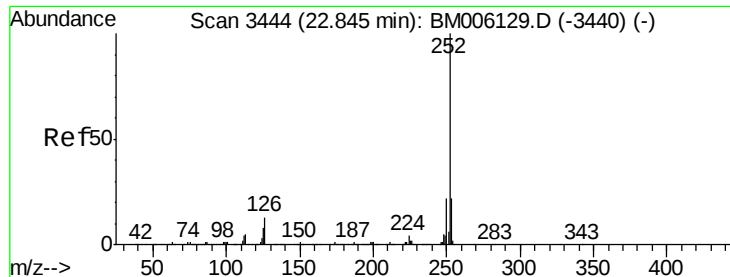
Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

125 11.4 7.8 11.6





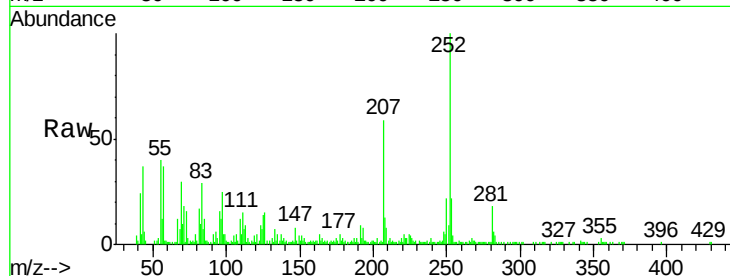
#36
Benzo(k)fluoranthene
Concen: 1.24 ng/ul m
RT: 22.83 min Scan# 3442
Delta R.T. -0.01 min
Lab File: BM006139.D
Acq: 29 Jun 2016 23:27

Instrument :
BNA_M
ClientSampled :
D9YE6

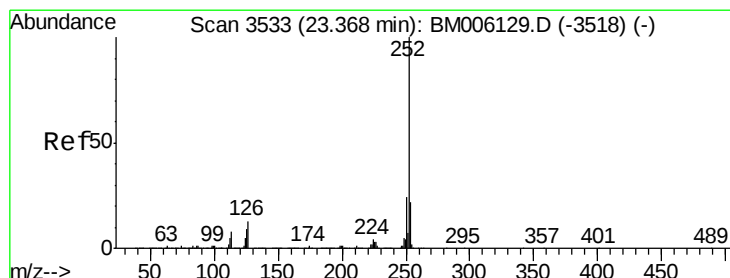
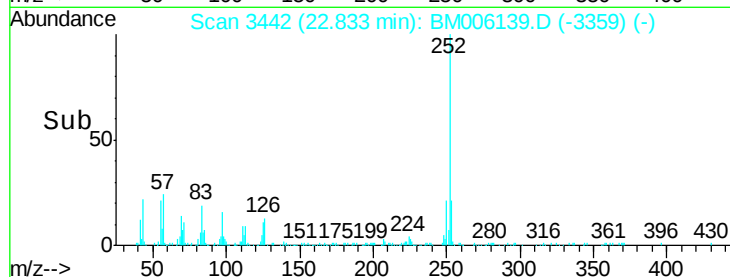
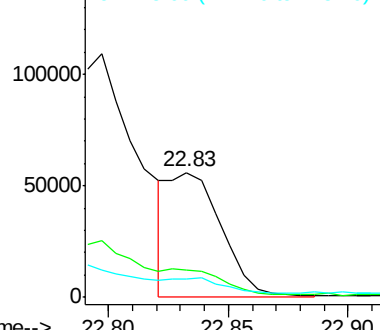
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	14.3	8.1	12.1

Manual Integrations

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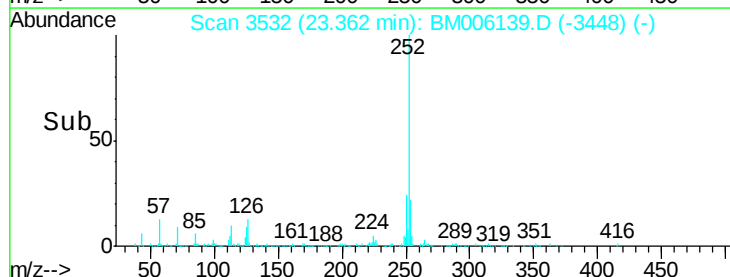
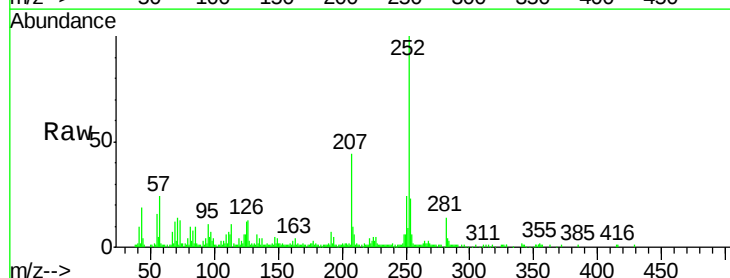
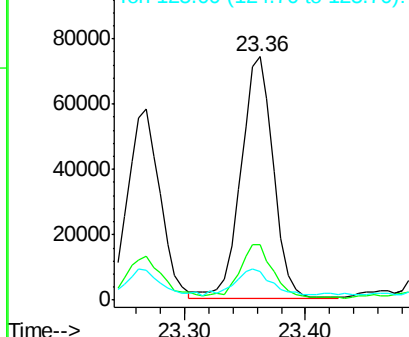
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

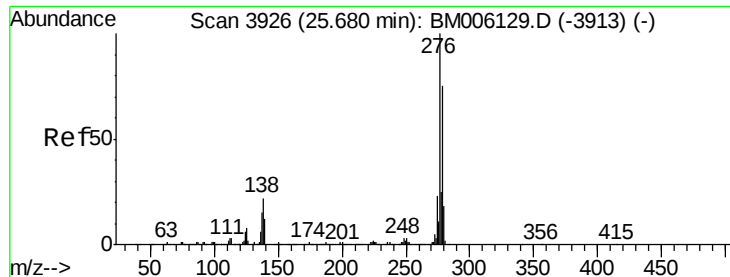


#38
Benzo(a)pyrene
Concen: 2.03 ng/ul
RT: 23.36 min Scan# 3532
Delta R.T. -0.01 min
Lab File: BM006139.D
Acq: 29 Jun 2016 23:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	11.7	8.7	13.1

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: 1.31 ng/ul

RT: 25.67 min Scan# 3924

Delta R.T. -0.02 min

Lab File: BM006139.D

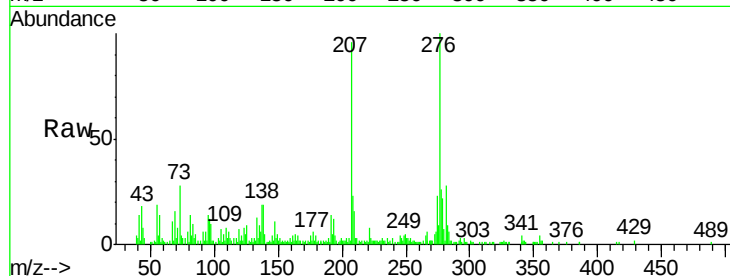
Acq: 29 Jun 2016 23:27

Instrument :

BNA_M

ClientSampleId :

D9YE6



Tgt Ion:276 Resp: 91948

Ion Ratio Lower Upper

276 100

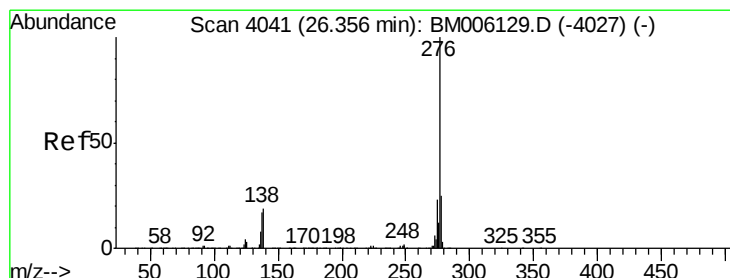
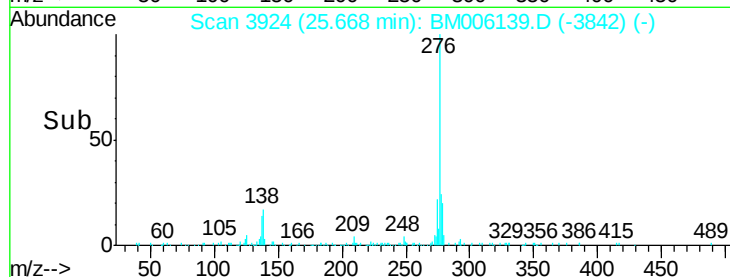
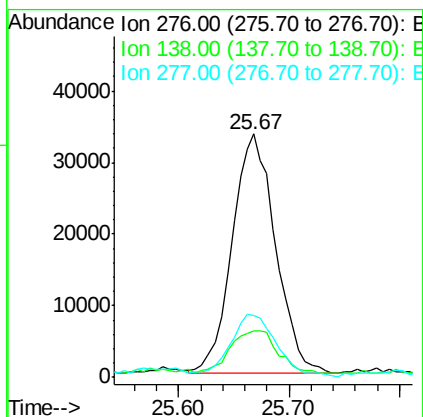
138 19.1 20.4 30.6#

277 25.7 20.6 30.8

Manual Integrations

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#41

Benzo(g,h,i)perylene

Concen: 1.27 ng/ul

RT: 26.34 min Scan# 4039

Delta R.T. -0.01 min

Lab File: BM006139.D

Acq: 29 Jun 2016 23:27

Tgt Ion:276 Resp: 74713

Ion Ratio Lower Upper

276 100

138 22.8 16.6 25.0

277 25.7 18.9 28.3

