

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073116\
 Data File : BM006819.D
 Acq On : 01 Aug 2016 10:28
 Operator : UM/SJ
 Sample : H4189-14
 Misc :
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9ZQ3

Manual Integrations
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Quant Time: Aug 01 13:41:53 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 30 01:37:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	256101	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	1096495	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	597619	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	1303292	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	1300357	20.00	ng/ul	0.00
34) Perylene-d12	23.43	264	1452358	20.00	ng/ul	0.02

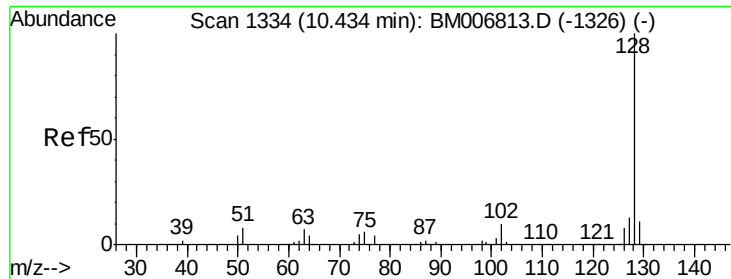
System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	13846	2.19	ng/uL	0.00
3) Phenol-d5	6.79	99	508425	23.33	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	363423	26.93	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	441791	25.38	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	321944	19.05	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	230406	27.76	ng/ul	0.00
9) 2-Nitrophenol-d4	9.48	143	255256	28.92	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	440716	26.42	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	434171	23.64	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	1361355	29.05	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	1733212	28.98	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	170490	20.95	ng/ul	0.02
21) Fluorene-d10	15.26	176	1200876	28.66	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.41	200	116201	17.18	ng/ul	0.01
26) Anthracene-d10	17.12	188	1800788	29.10	ng/ul	0.00
30) Pyrene-d10	19.42	212	1931872	32.60	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.29	264	1963187	29.39	ng/ul	0.01

Target Compounds

						Qvalue
11) Naphthalene	10.43	128	239656	4.24	ng/ul	99
13) 2-Methylnaphthalene	12.06	142	60078	1.45	ng/ul	96
14) 1-Methylnaphthalene	12.28	142	45258	1.14	ng/ul	99
18) Acenaphthylene	13.98	152	214216	3.34	ng/ul	98
19) Acenaphthene	14.32	153	116738	2.84	ng/ul	90
22) Fluorene	15.32	166	184256	3.97	ng/ul	97
25) Phenanthrene	17.06	178	3085530	42.10	ng/ul	98
27) Anthracene	17.15	178	387139	5.13	ng/ul	98
28) Fluoranthene	19.09	202	3843259	44.63	ng/ul	97
31) Pyrene	19.45	202	3096765	39.33	ng/ul	97
32) Benzo(a)anthracene	21.20	228	1335911	16.95	ng/ul	97
33) Chrysene	21.26	228	1476291	20.32	ng/ul	97
35) Benzo(b)fluoranthene	22.77	252	2090841	24.02	ng/ul	99
36) Benzo(k)fluoranthene	22.81	252	723044m	8.59	ng/ul	
38) Benzo(a)pyrene	23.34	252	1394060	16.45	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.64	276	1175570	11.98	ng/ul	98
40) Dibenzo(a,h)anthracene	25.64	278	278943m	3.43	ng/ul	
41) Benzo(g,h,i)perylene	26.32	276	1130290	13.44	ng/ul	98

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



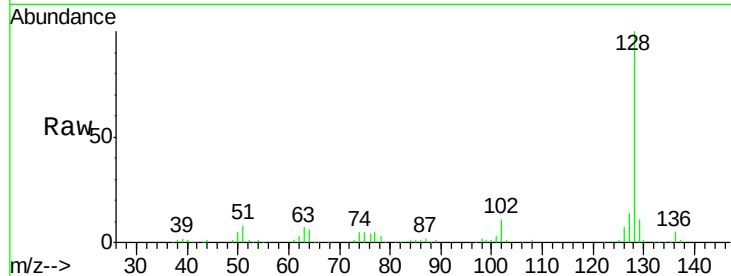
#11
Naphthalene
Concen: 4.24 ng/ul
RT: 10.43 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BM006819.D
Acq: 01 Aug 2016 10:28

Instrument :
BNA_M
ClientSampleId :
D9ZQ3

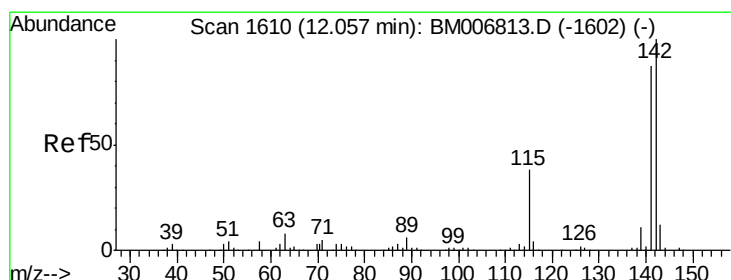
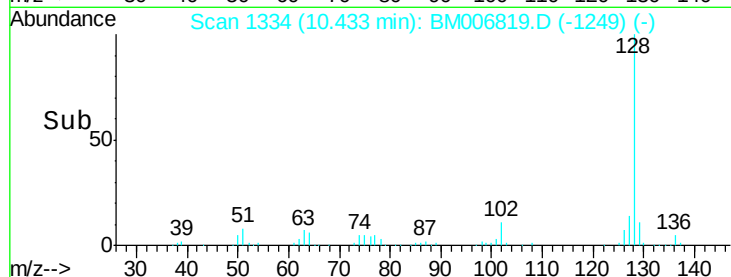
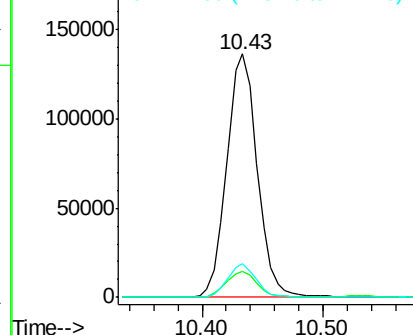
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	239656		
129	10.7		8.3	12.5
127	13.7		10.8	16.2

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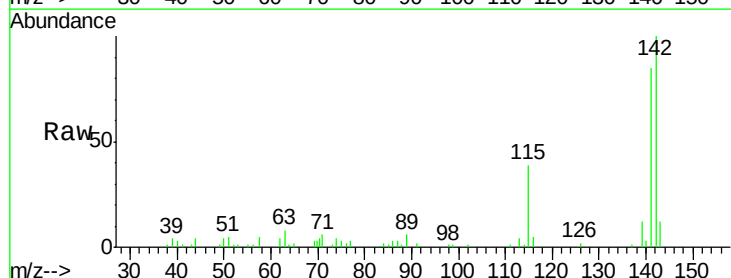


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

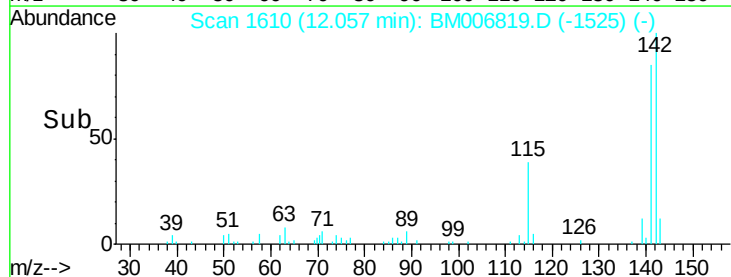
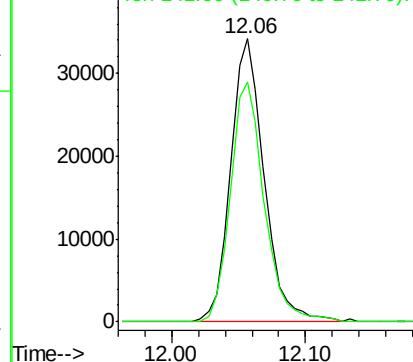


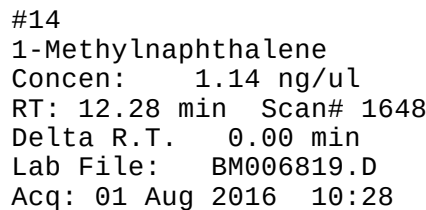
#13
2-Methylnaphthalene
Concen: 1.45 ng/ul
RT: 12.06 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BM006819.D
Acq: 01 Aug 2016 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	60078		
141	85.0		71.3	106.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E



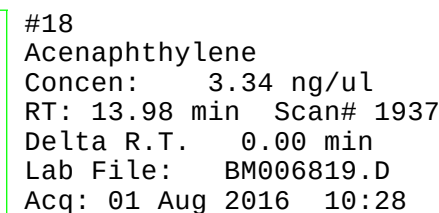
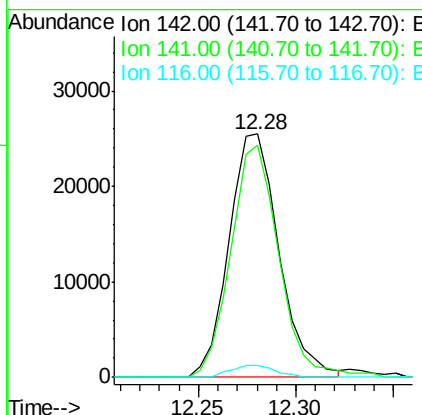


Instrument :
BNA_M
ClientSampleId :
D9ZO3

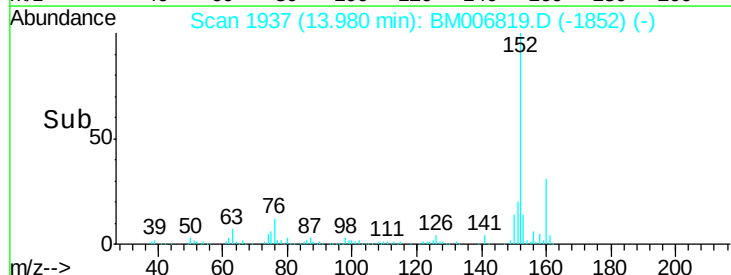
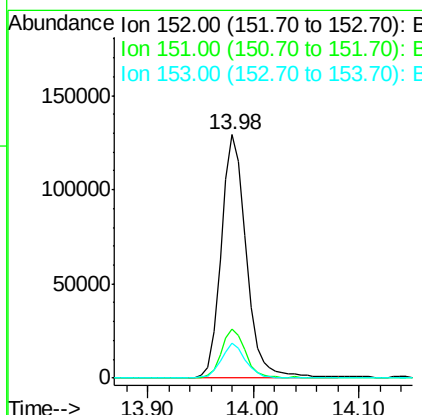
Manual Integrations

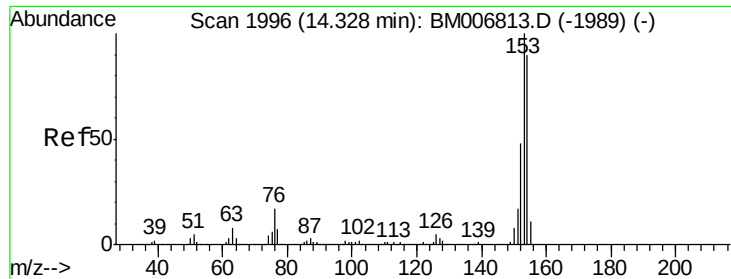
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Tgt	Ion:142	Resp:	45258
Ion	Ratio	Lower	Upper
142	100		
141	95.5	77.0	115.4
116	4.9	4.2	6.4



Tgt	Ion:152	Resp:	214216
Ion	Ratio	Lower	Upper
152	100		
151	20.1	17.3	25.9
153	14.2	11.1	16.7





#19

Acenaphthene

Concen: 2.84 ng/ul

RT: 14.32 min Scan# 1995

Delta R.T. 0.00 min

Lab File: BM006819.D

Acq: 01 Aug 2016 10:28

Instrument :

BNA_M

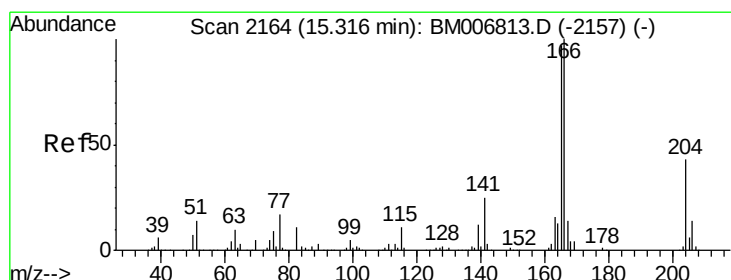
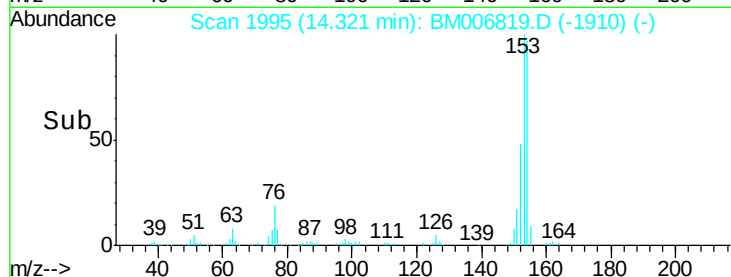
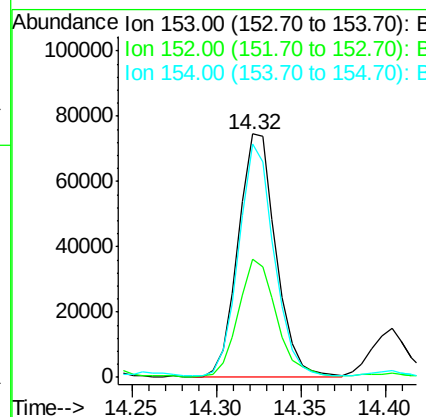
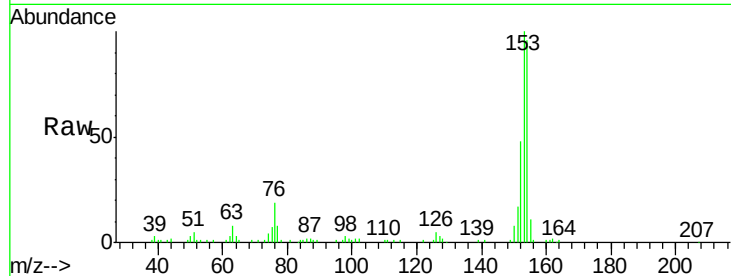
ClientSampled :

D9ZQ3

Tgt Ion:	153	Resp:	116738
Ion Ratio	Lower	Upper	
153	100		
152	48.3	36.5	54.7
154	95.8	67.3	100.9

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#22

Fluorene

Concen: 3.97 ng/ul

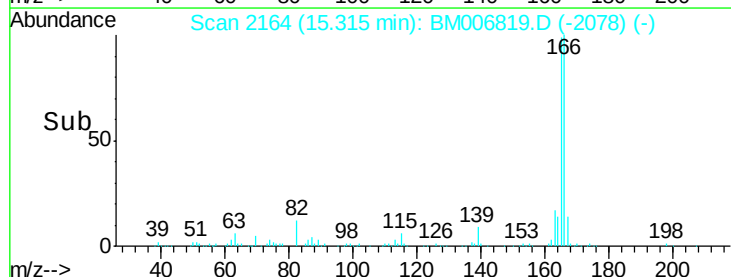
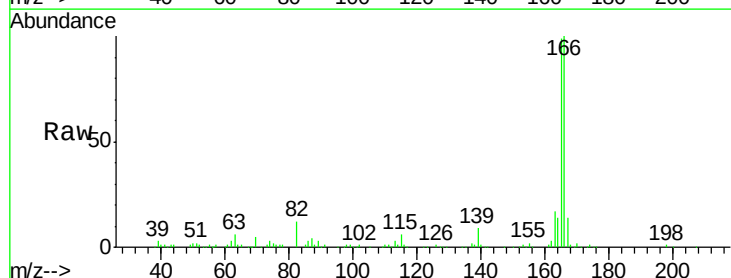
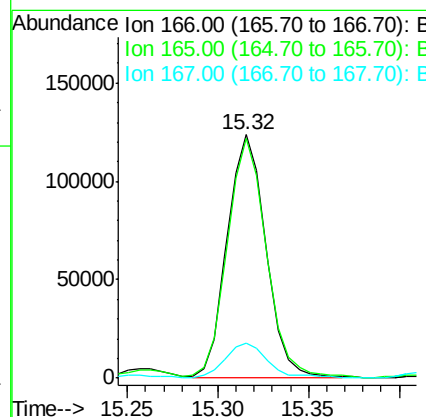
RT: 15.32 min Scan# 2164

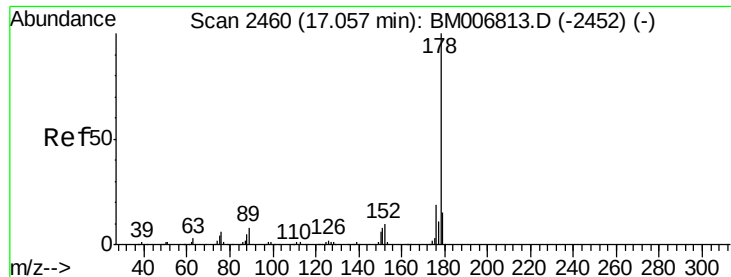
Delta R.T. 0.01 min

Lab File: BM006819.D

Acq: 01 Aug 2016 10:28

Tgt Ion:	166	Resp:	184256
Ion Ratio	Lower	Upper	
166	100		
165	98.5	81.1	121.7
167	14.2	10.6	16.0





#25

Phenanthrene

Concen: 42.10 ng/ul

RT: 17.06 min Scan# 2461

Delta R.T. 0.01 min

Lab File: BM006819.D

Acq: 01 Aug 2016 10:28

Instrument :

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ClientSampleId :

D9ZQ3

Tgt Ion:178 Resp: 3085530

Ion Ratio Lower Upper

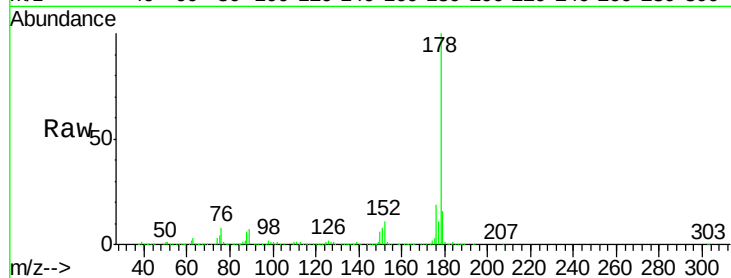
178 100

179 15.5 11.8 17.8

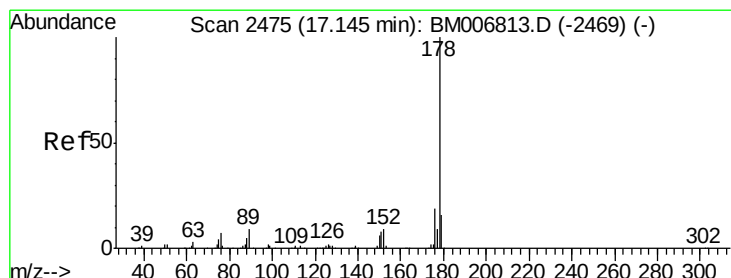
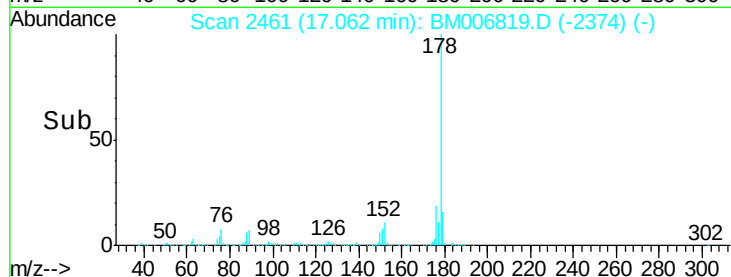
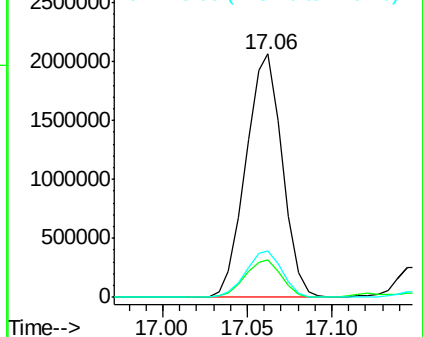
176 19.3 14.8 22.2

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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



#27

Anthracene

Concen: 5.13 ng/ul

RT: 17.15 min Scan# 2476

Delta R.T. 0.01 min

Lab File: BM006819.D

Acq: 01 Aug 2016 10:28

Tgt Ion:178 Resp: 387139

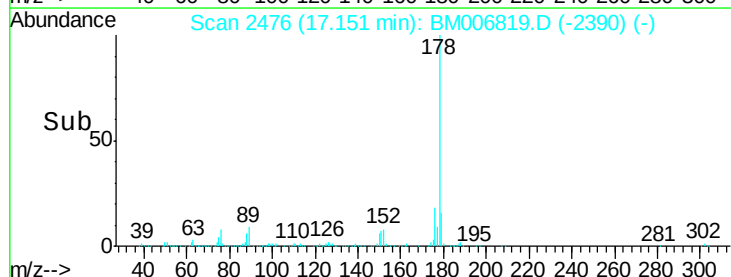
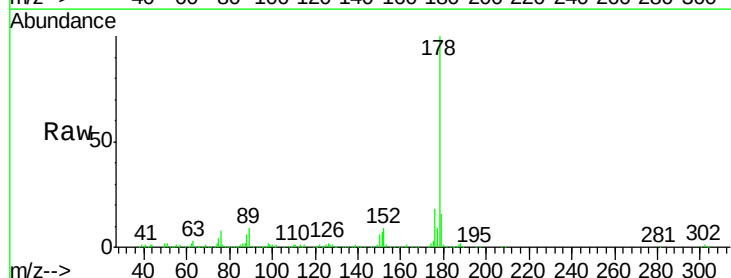
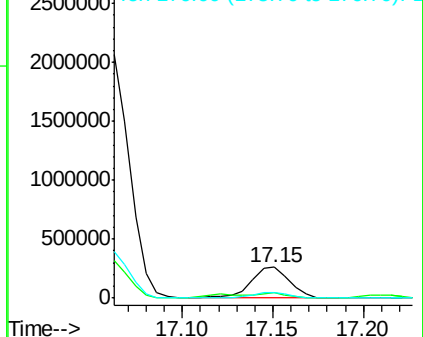
Ion Ratio Lower Upper

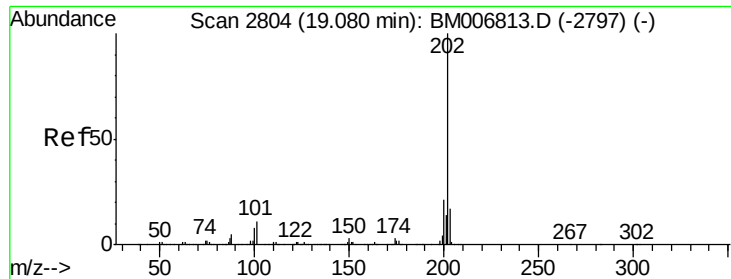
178 100

179 15.8 12.9 19.3

176 18.3 15.6 23.4

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: 44.63 ng/ul

RT: 19.09 min Scan# 2805

Delta R.T. 0.01 min

Lab File: BM006819.D

Acq: 01 Aug 2016 10:28

Instrument :

BNA_M

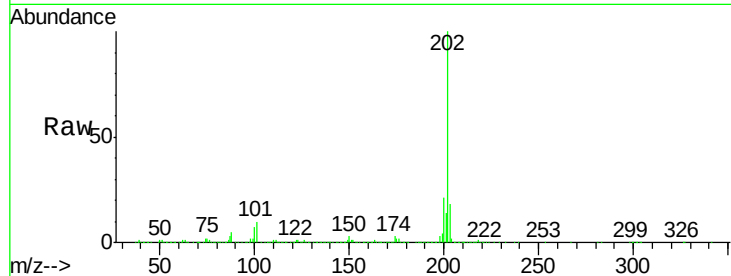
ClientSampleId :

D9ZQ3

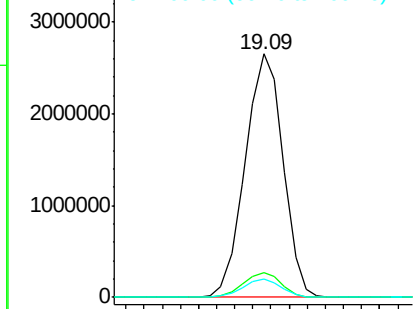
Tgt Ion:	202	Resp:	3843259
Ion	Ratio	Lower	Upper
202	100		
101	10.0	8.9	13.3
100	7.3	7.0	10.4

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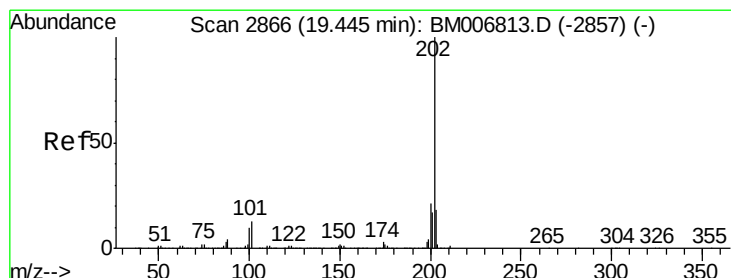
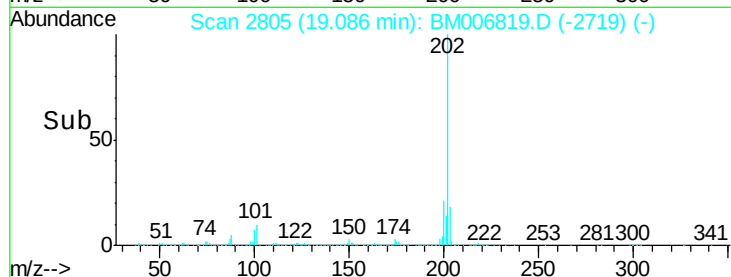
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->



#31

Pyrene

Concen: 39.33 ng/ul

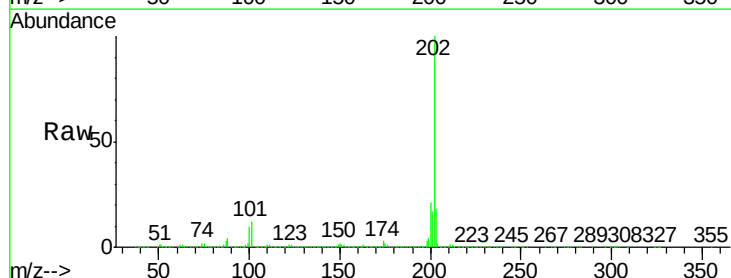
RT: 19.45 min Scan# 2867

Delta R.T. 0.01 min

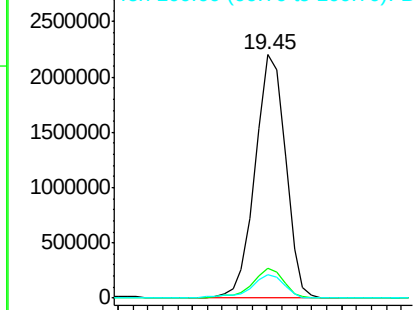
Lab File: BM006819.D

Acq: 01 Aug 2016 10:28

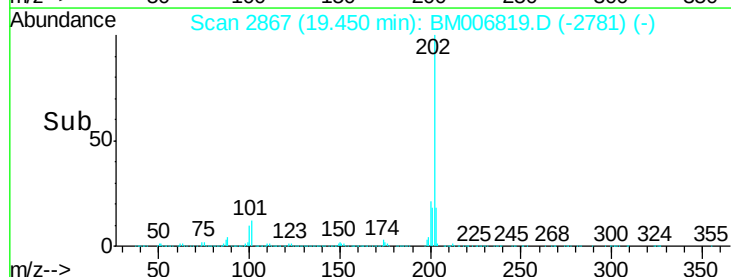
Tgt Ion:	202	Resp:	3096765
Ion	Ratio	Lower	Upper
202	100		
101	12.4	9.8	14.8
100	9.6	9.3	13.9

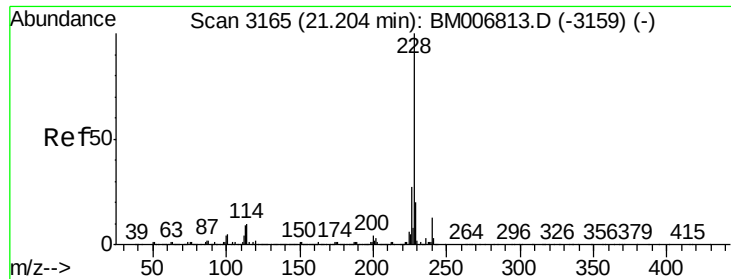


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->





#32

Benzo(a)anthracene

Concen: 16.95 ng/ul

RT: 21.20 min Scan# 3165

Delta R.T. 0.01 min

Lab File: BM006819.D

Acq: 01 Aug 2016 10:28

Instrument :

BNA_M

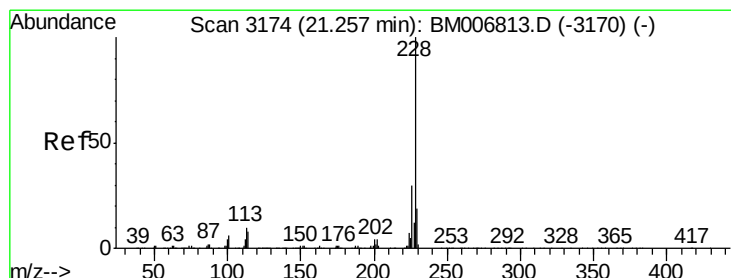
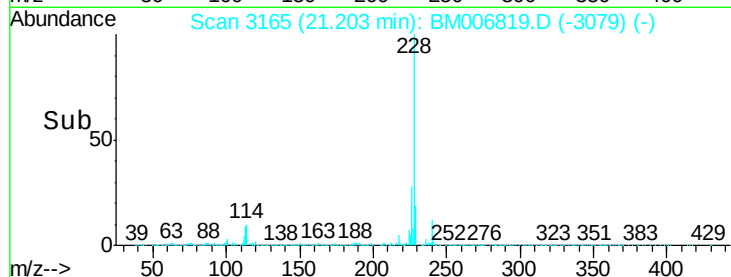
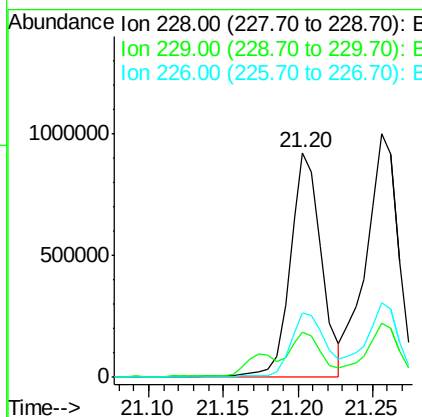
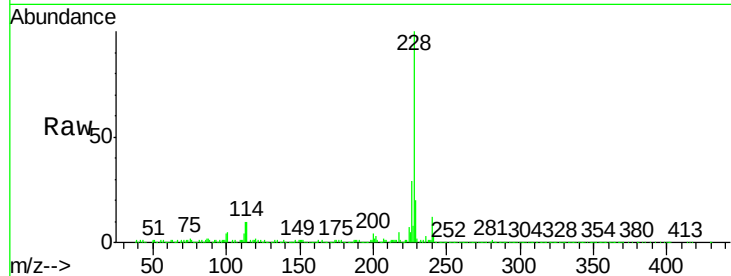
ClientSampleId :

D9ZQ3

Tgt Ion:	228	Resp:	1335911
Ion Ratio	Lower	Upper	
228	100		
229	20.2	16.6	25.0
226	28.7	21.0	31.4

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#33

Chrysene

Concen: 20.32 ng/ul

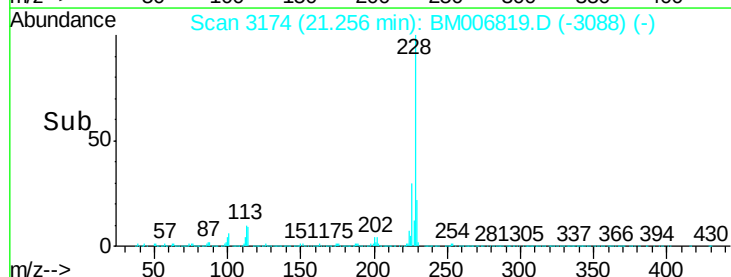
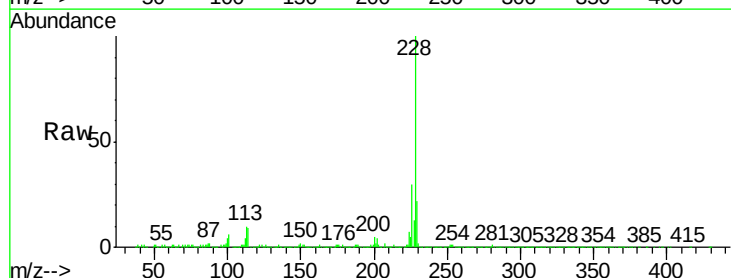
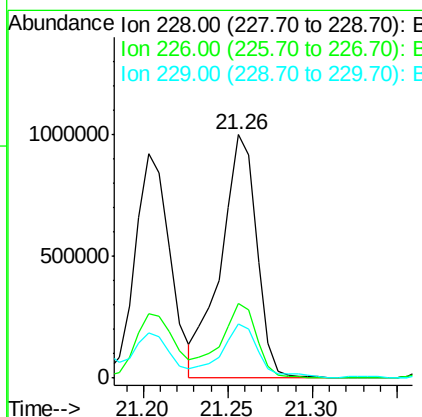
RT: 21.26 min Scan# 3174

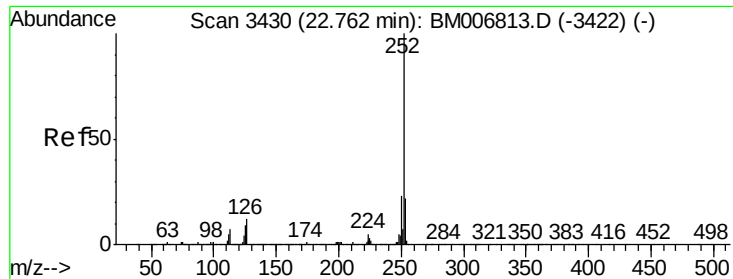
Delta R.T. 0.01 min

Lab File: BM006819.D

Acq: 01 Aug 2016 10:28

Tgt Ion:	228	Resp:	1476291
Ion Ratio	Lower	Upper	
228	100		
226	30.5	23.4	35.2
229	22.0	16.2	24.2





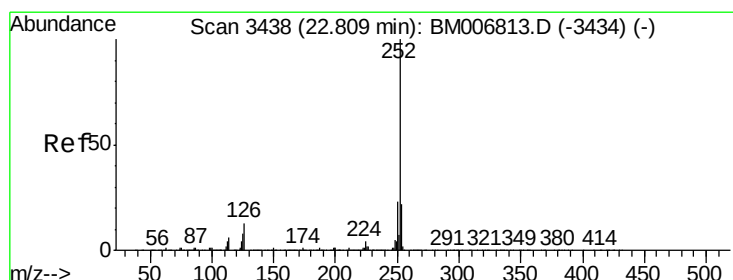
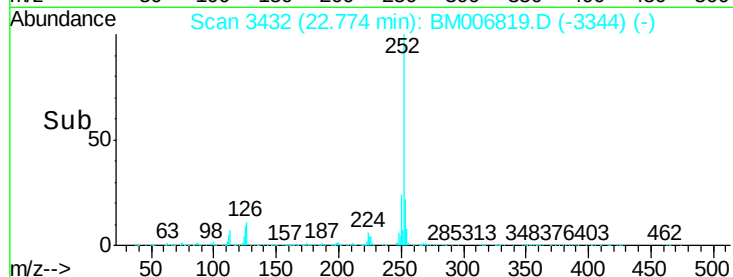
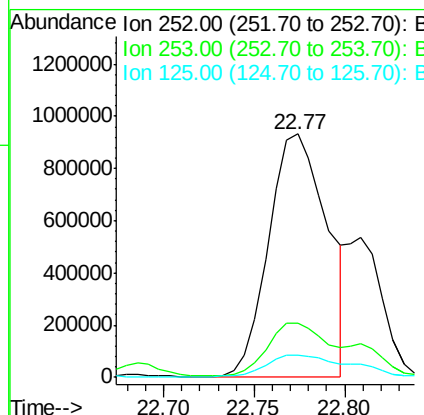
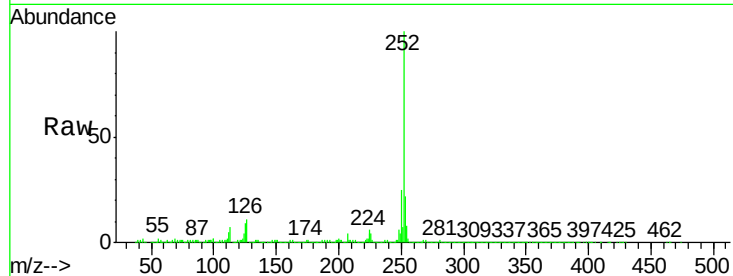
#35
Benzo(b)fluoranthene
Concen: 24.02 ng/ul
RT: 22.77 min Scan# 3432
Delta R.T. 0.02 min
Lab File: BM006819.D
Acq: 01 Aug 2016 10:28

Instrument :
BNA_M
ClientSampleId :
D9ZQ3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	9.3	7.6	11.4

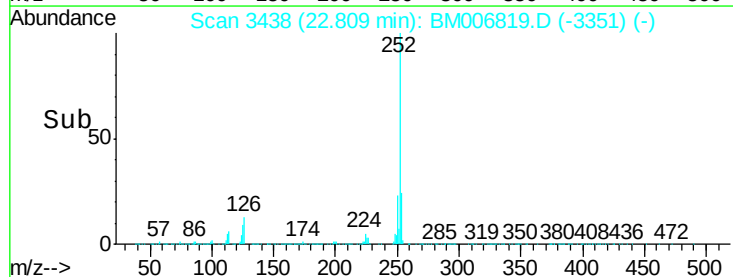
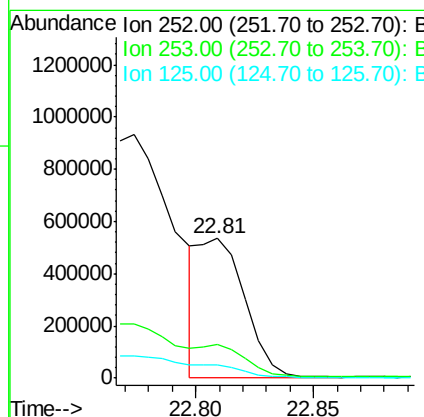
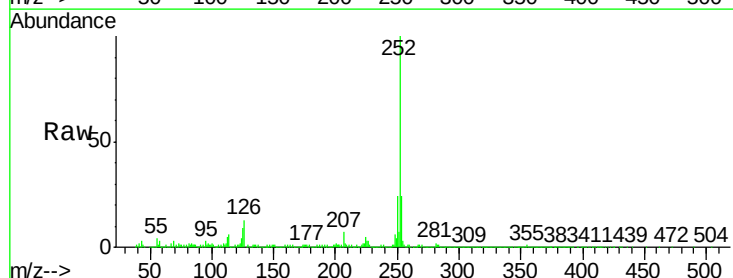
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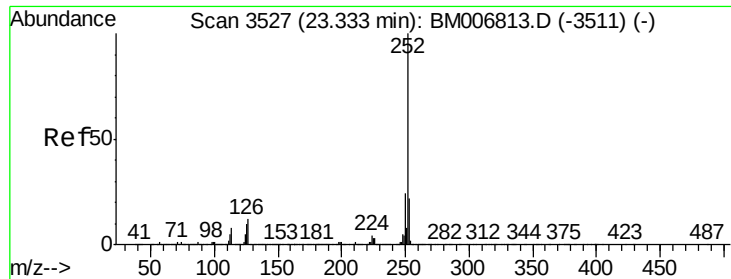
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#36
Benzo(k)fluoranthene
Concen: 8.59 ng/ul m
RT: 22.81 min Scan# 3438
Delta R.T. 0.01 min
Lab File: BM006819.D
Acq: 01 Aug 2016 10:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.8
125	9.5	7.7	11.5





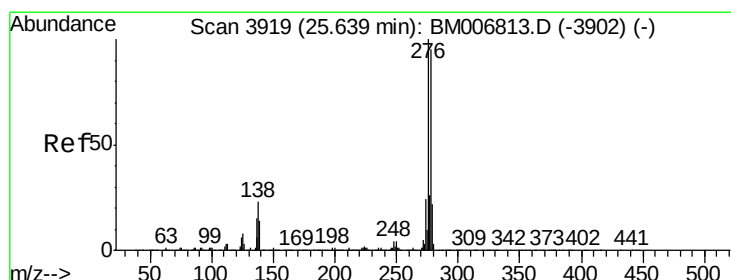
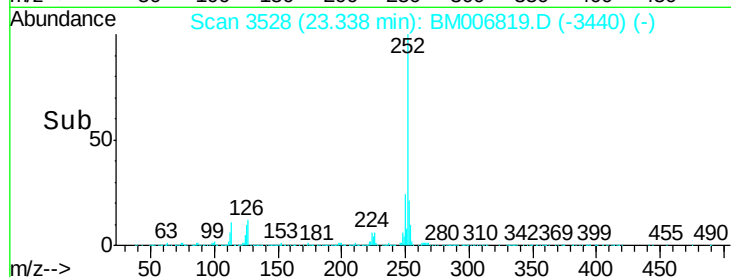
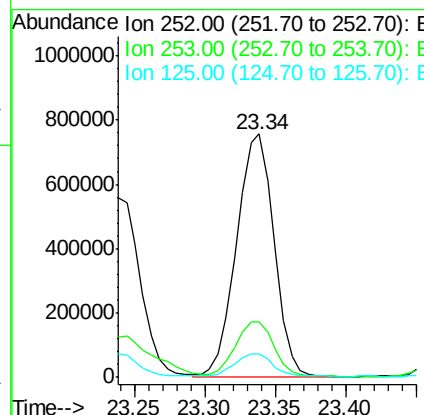
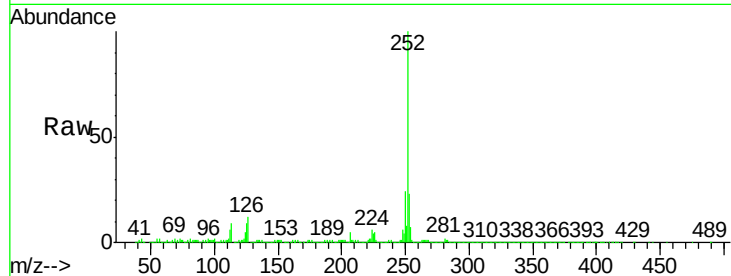
#38
Benzo(a)pyrene
Concen: 16.45 ng/ul
RT: 23.34 min Scan# 3528
Delta R.T. 0.02 min
Lab File: BM006819.D
Acq: 01 Aug 2016 10:28

Instrument :
BNA_M
ClientSampleId :
D9ZQ3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	9.5	8.2	12.2

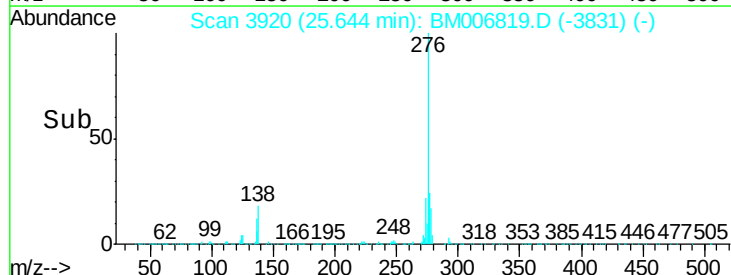
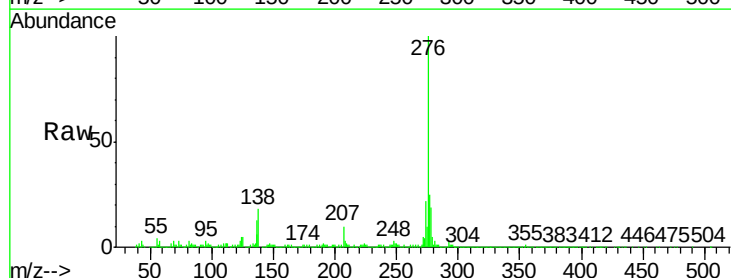
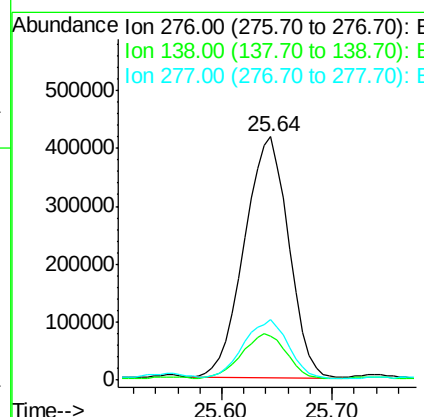
Manual Integrations
APPROVED

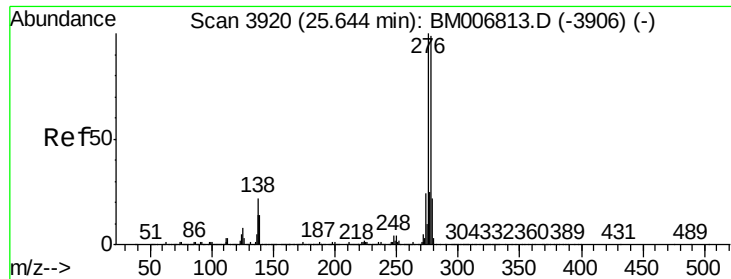
sohil
8/1/2016 7:09:37 PM



#39
Indeno(1,2,3-cd)pyrene
Concen: 11.98 ng/ul
RT: 25.64 min Scan# 3920
Delta R.T. 0.02 min
Lab File: BM006819.D
Acq: 01 Aug 2016 10:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.3	15.8	23.6
277	24.8	19.0	28.6





#40

Dibenzo(a,h)anthracene

Concen: 3.43 ng/ul m

RT: 25.64 min Scan# 3920

Delta R.T. 0.02 min

Lab File: BM006819.D

Acq: 01 Aug 2016 10:28

Instrument :

BNA_M

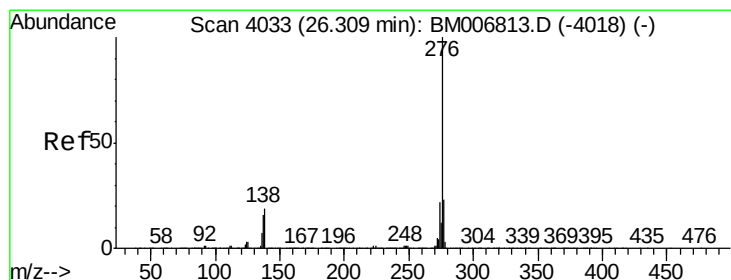
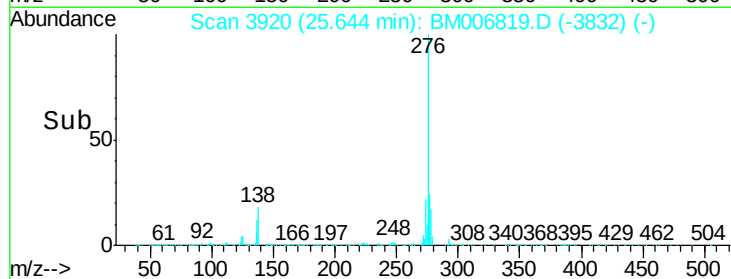
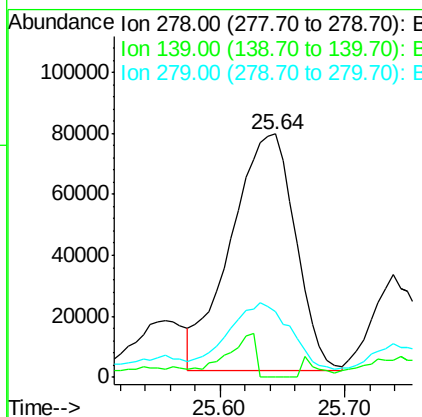
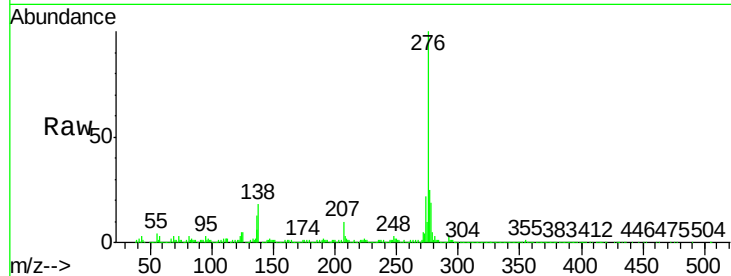
ClientSampleId :

D9ZQ3

Tgt Ion:	278	Resp:	278943
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.1	18.1#
279	27.0	19.8	29.8

Manual Integrations
APPROVED

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#41

Benzo(g,h,i)perylene

Concen: 13.44 ng/ul

RT: 26.32 min Scan# 4035

Delta R.T. 0.03 min

Lab File: BM006819.D

Acq: 01 Aug 2016 10:28

Tgt Ion:	276	Resp:	1130290
Ion Ratio	Lower	Upper	
276	100		
138	19.4	13.9	20.9
277	24.6	19.8	29.6

