

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
 Data File : BM002418.D
 Acq On : 15 Aug 2015 10:57
 Operator : UM/IZ
 Sample : G3219-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DA7

Manual Integrations
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 8/17/2015 2:45:13 PM

Quant Time: Aug 17 04:30:10 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 02:54:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	154146	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	720582	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.44	164	382177	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.15	188	782806	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	623086	20.00	ng/ul	0.00
22) Perylene-d12	24.90	264	516907	20.00	ng/ul	0.02

System Monitoring Compounds						
7) Acenaphthylene-d8	15.15	160	762024	19.50	ng/ul	0.00
10) Fluorene-d10	16.42	176	511990	18.66	ng/ul	0.00
14) Anthracene-d10	18.25	188	718426	19.03	ng/ul	0.00
18) Pyrene-d10	20.47	212	676651	24.50	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.72	264	467955	17.23	ng/ul	0.01

Target Compounds				Qvalue		
3) Naphthalene	11.79	128	182843	4.97	ng/ul	100
4) 2-Methylnaphthalene	13.33	142	58111	2.11	ng/ul	97
5) 1-Methylnaphthalene	13.54	142	36379	1.33	ng/ul	100
8) Acenaphthylene	15.18	152	147470	3.61	ng/ul	99
11) Fluorene	16.47	166	32672	1.06	ng/ul#	94
13) Phenanthrene	18.20	178	522043	11.55	ng/ul	99
15) Anthracene	18.29	178	242825	5.30	ng/ul	99
16) Fluoranthene	20.14	202	1574421	30.76	ng/ul	100
19) Pyrene	20.50	202	1332904	36.52	ng/ul	100
20) Benzo(a)anthracene	22.21	228	764384	20.51	ng/ul	98
21) Chrysene	22.27	228	779079	22.35	ng/ul	97
23) Benzo(b)fluoranthene	24.07	252	1042033	33.35	ng/ul	98
24) Benzo(k)fluoranthene	24.12	252	288327m	9.74	ng/ul	
26) Benzo(a)pyrene	24.78	252	601273	20.14	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.71	276	441636	12.87	ng/ul	94
28) Dibenzo(a,h)anthracene	27.70	278	127163	4.43	ng/ul#	90
29) Benzo(g,h,i)perylene	28.59	276	391351	13.70	ng/ul	98

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

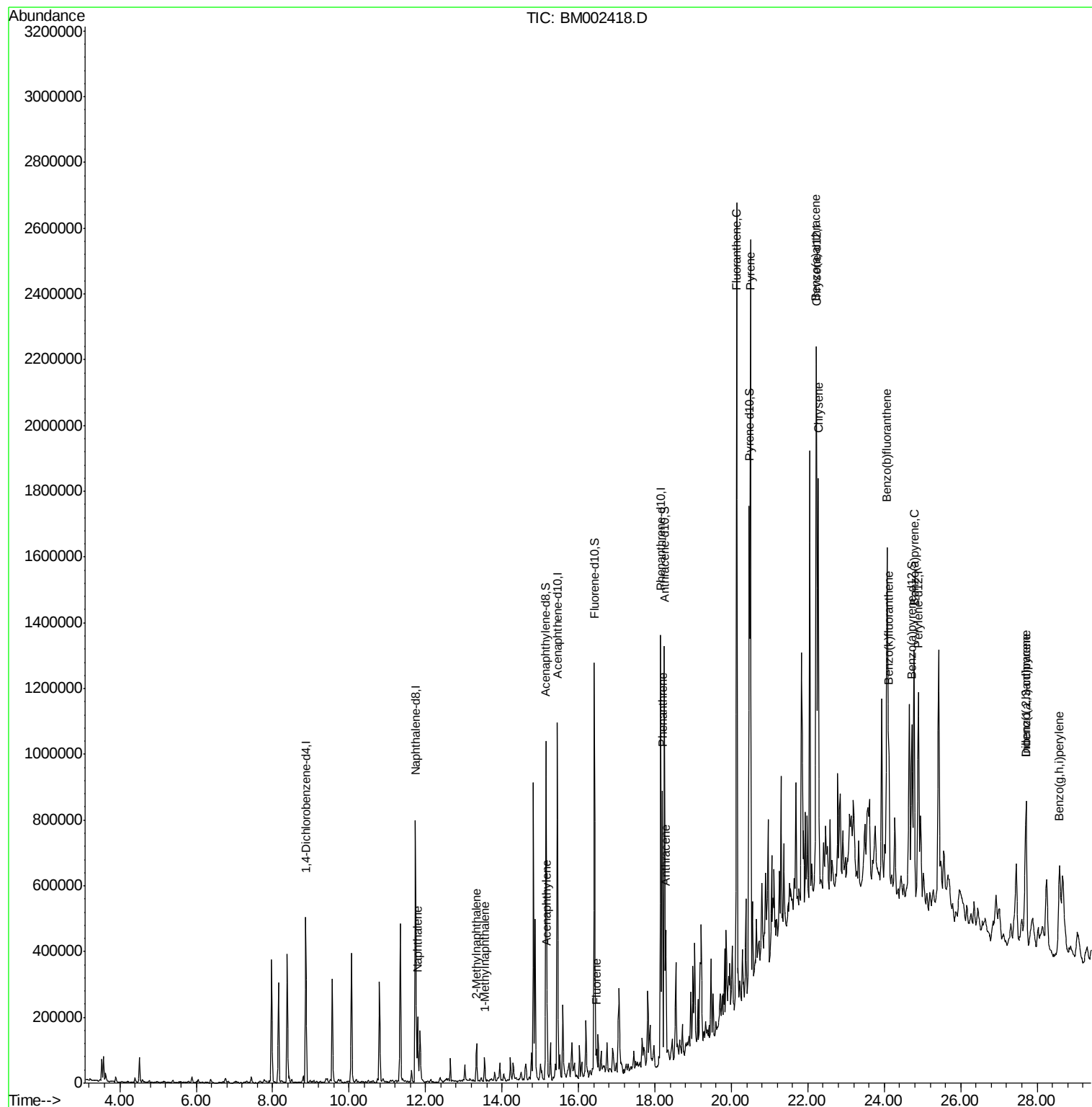
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
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ALS Vial : 25 Sample Multiplier: 1

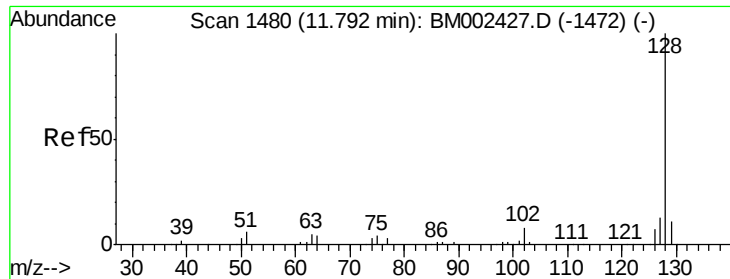
Instrument :
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 02:54:04 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 4.97 ng/ul

RT: 11.79 min Scan# 1480

Delta R.T. 0.01 min

Lab File: BM002418.D

Acq: 15 Aug 2015 10:57

Instrument :

BNA_M

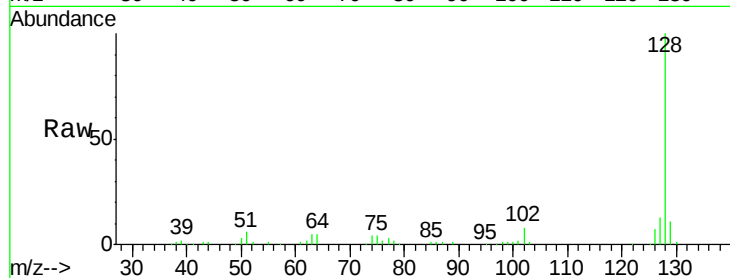
ClientSampleId :

D9DA7

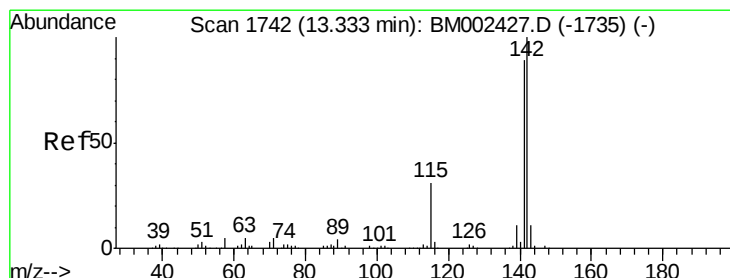
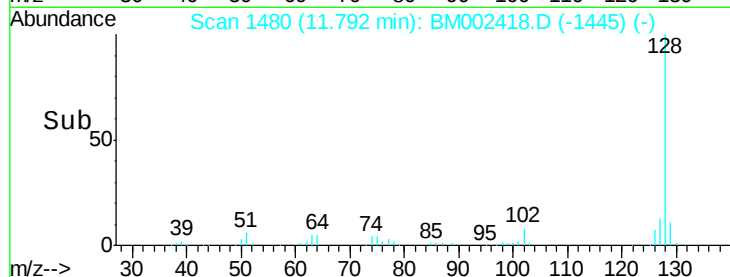
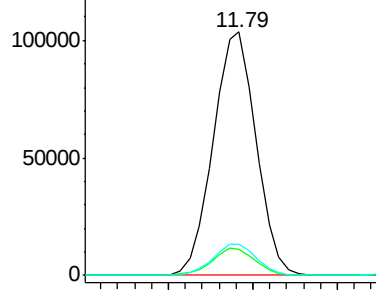
Tgt Ion:	128	Resp:	182843
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.6	12.8
127	13.0	10.4	15.6

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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



#4

2-Methylnaphthalene

Concen: 2.11 ng/ul

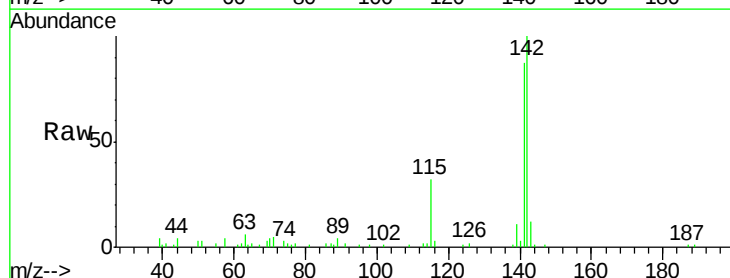
RT: 13.33 min Scan# 1742

Delta R.T. 0.01 min

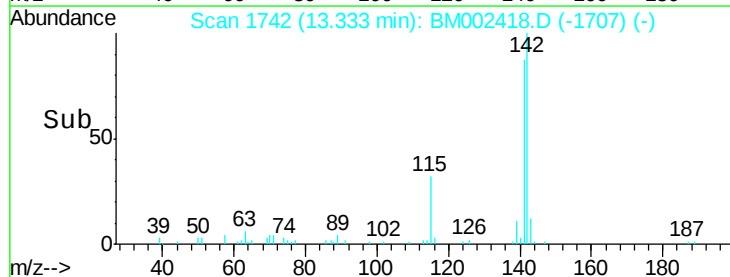
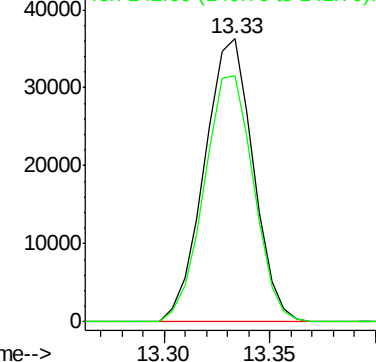
Lab File: BM002418.D

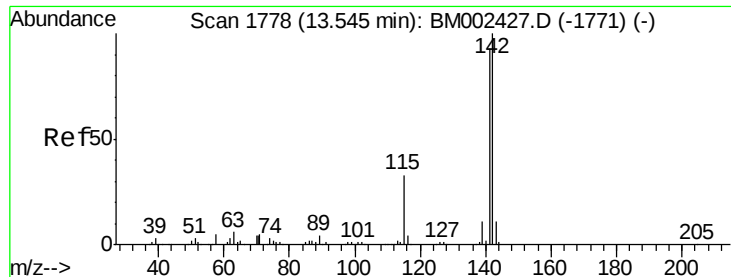
Acq: 15 Aug 2015 10:57

Tgt Ion:	142	Resp:	58111
Ion Ratio	Lower	Upper	
142	100		
141	87.1	72.2	108.2



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





#5

1-Methylnaphthalene

Concen: 1.33 ng/ul

RT: 13.54 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BM002418.D

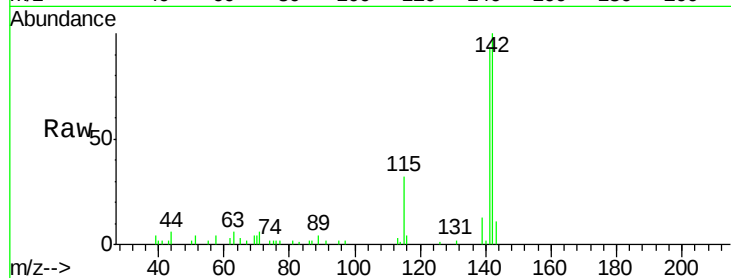
Acq: 15 Aug 2015 10:57

Instrument :

BNA_M

ClientSampleId :

D9DA7



Tgt Ion:142 Resp: 36379

Ion Ratio Lower Upper

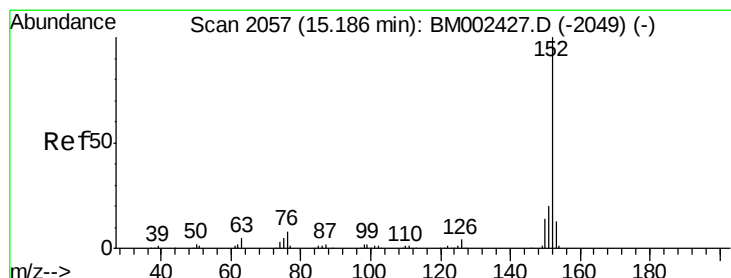
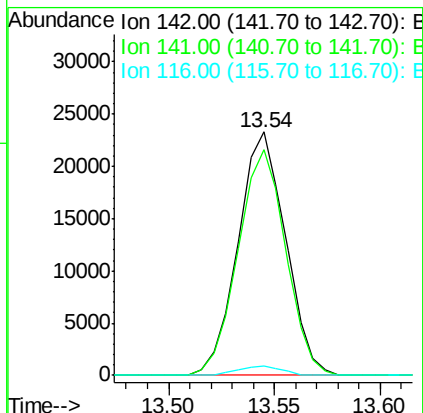
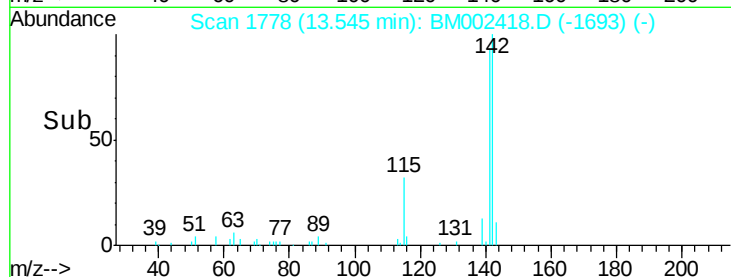
142 100

141 92.8 73.9 110.9

116 3.8 3.0 4.4

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#8

Acenaphthylene

Concen: 3.61 ng/ul

RT: 15.18 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BM002418.D

Acq: 15 Aug 2015 10:57

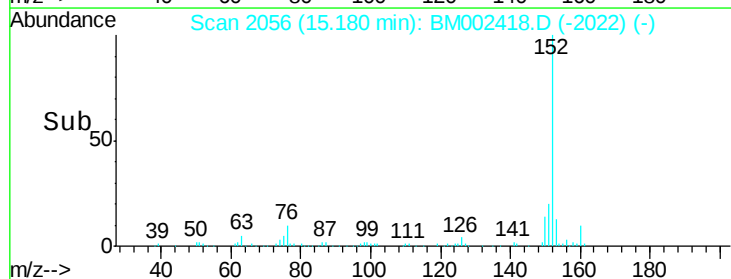
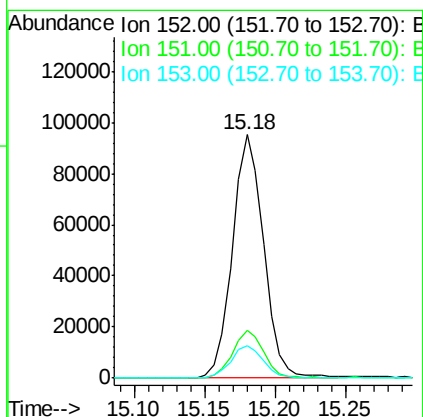
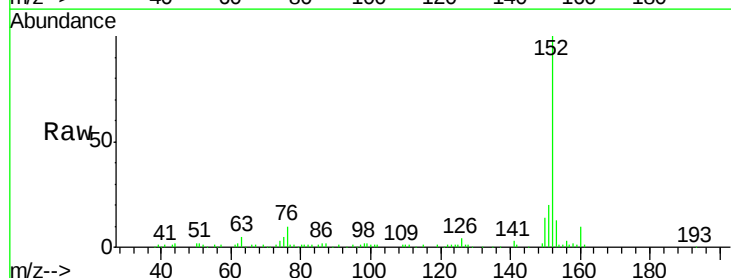
Tgt Ion:152 Resp: 147470

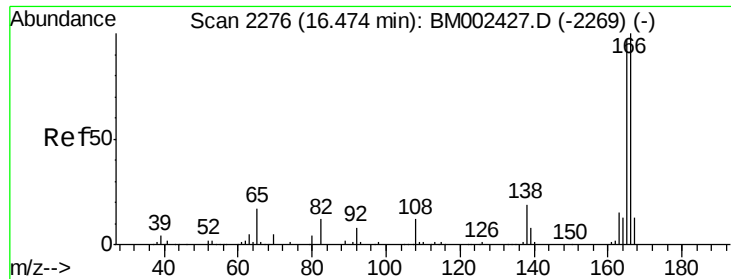
Ion Ratio Lower Upper

152 100

151 19.8 15.7 23.5

153 13.4 10.2 15.4





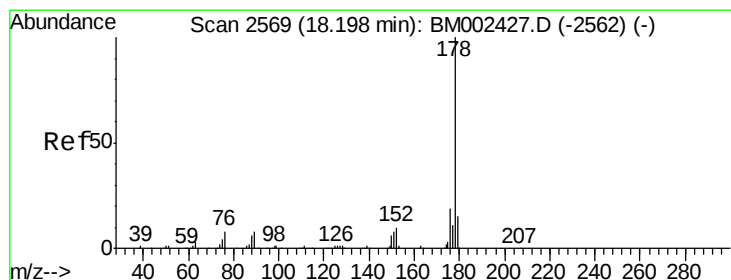
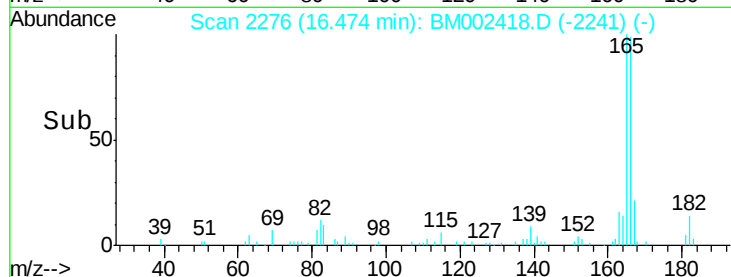
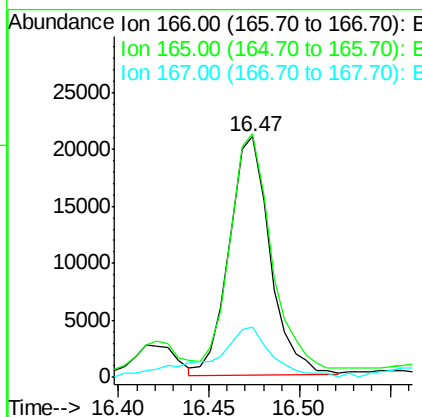
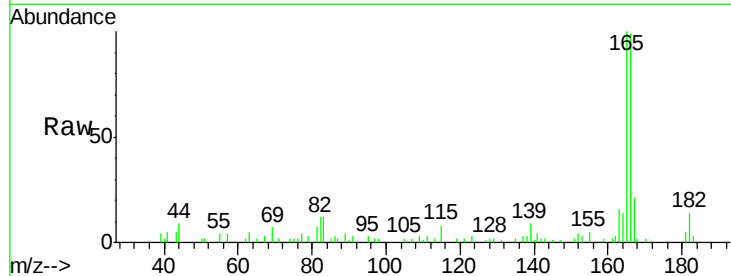
#11
Fluorene
 Concen: 1.06 ng/ul
 RT: 16.47 min Scan# 2276
 Delta R.T. 0.01 min
 Lab File: BM002418.D
 Acq: 15 Aug 2015 10:57

Instrument :
 BNA_M
 ClientSampleId :
 D9DA7

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	32672		
165	101.1	77.6	116.4	
167	20.8	10.7	16.1#	

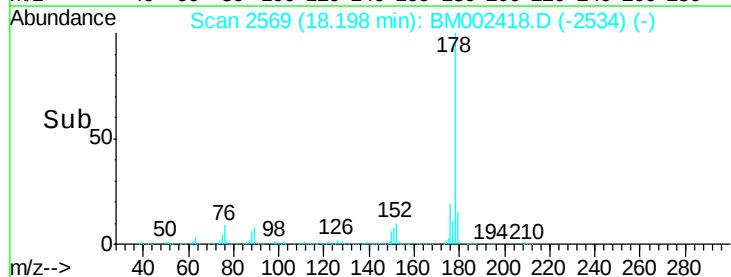
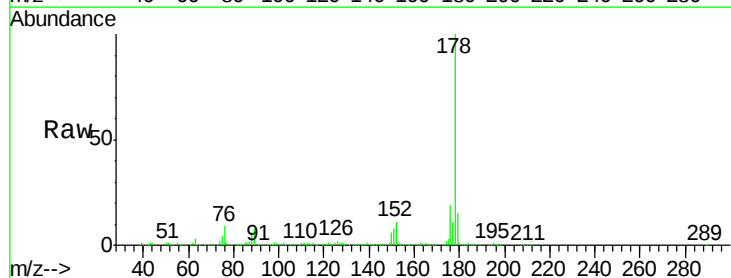
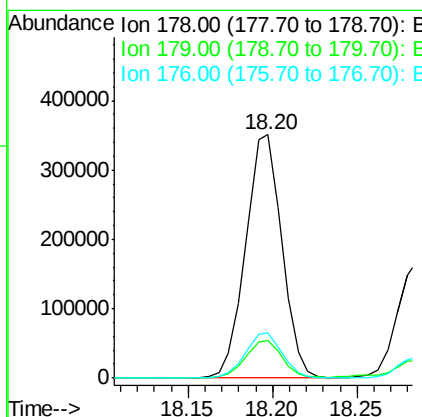
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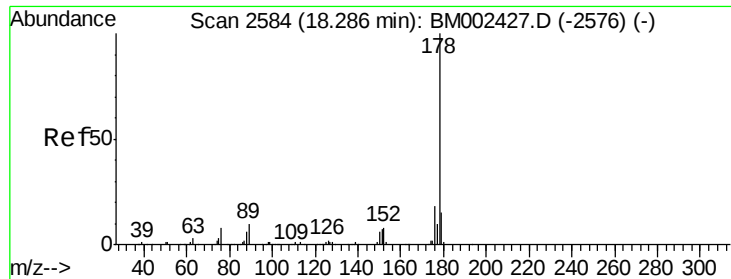
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#13
Phenanthrene
 Concen: 11.55 ng/ul
 RT: 18.20 min Scan# 2569
 Delta R.T. 0.01 min
 Lab File: BM002418.D
 Acq: 15 Aug 2015 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	522043		
179	15.3	12.4	18.6	
176	18.5	15.1	22.7	





#15

Anthracene

Concen: 5.30 ng/ul

RT: 18.29 min Scan# 2584

Delta R.T. 0.01 min

Lab File: BM002418.D

Acq: 15 Aug 2015 10:57

Instrument :

BNA_M

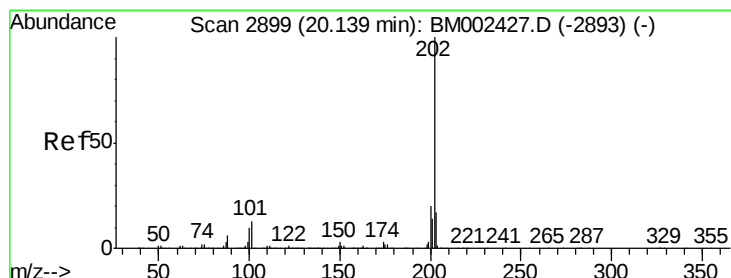
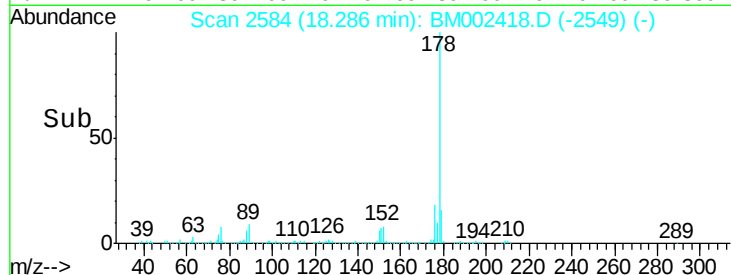
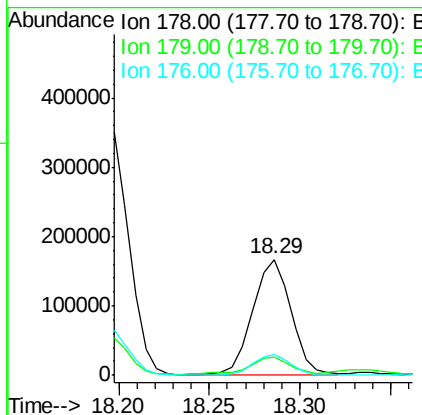
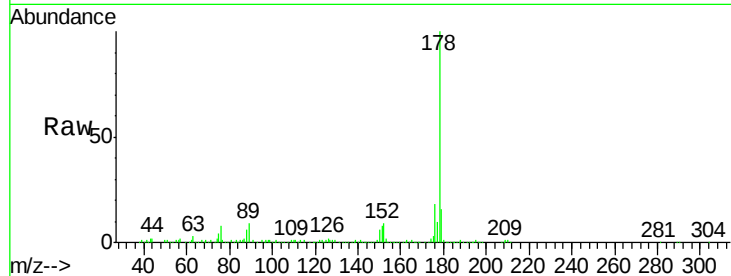
ClientSampleId :

D9DA7

Tgt Ion:	178	Resp:	242825
Ion Ratio	Lower	Upper	
178	100		
179	16.0	12.6	18.8
176	17.9	14.5	21.7

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#16

Fluoranthene

Concen: 30.76 ng/ul

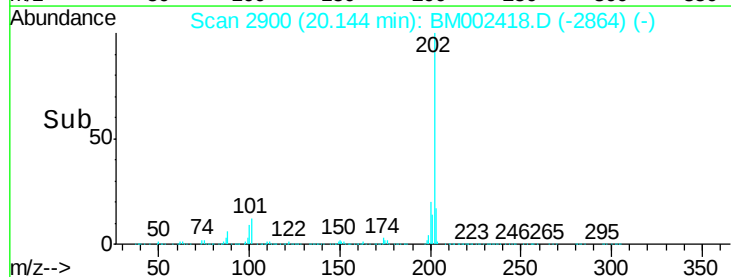
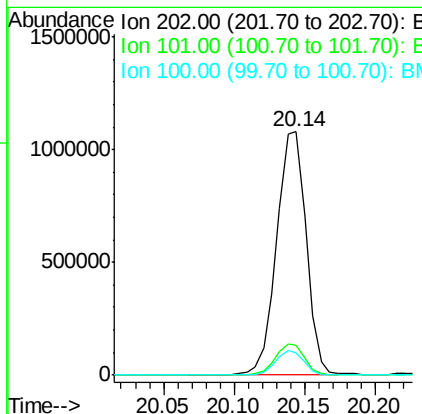
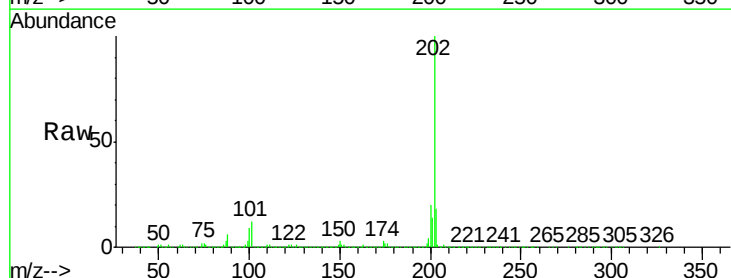
RT: 20.14 min Scan# 2900

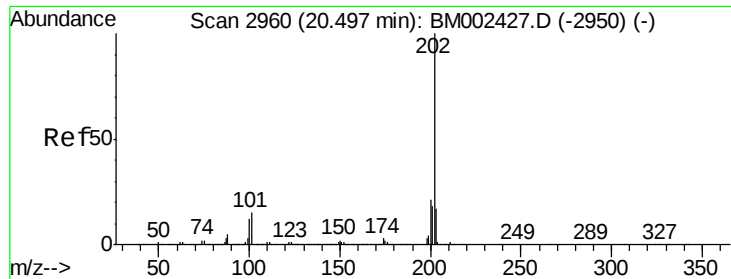
Delta R.T. 0.01 min

Lab File: BM002418.D

Acq: 15 Aug 2015 10:57

Tgt Ion:	202	Resp:	1574421
Ion Ratio	Lower	Upper	
202	100		
101	12.1	9.7	14.5
100	9.1	7.4	11.2





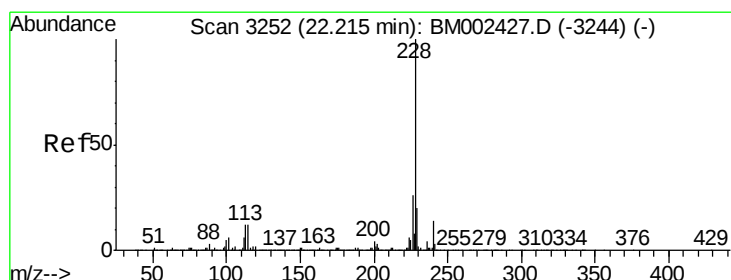
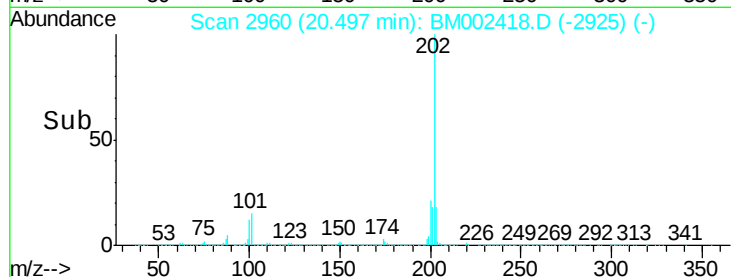
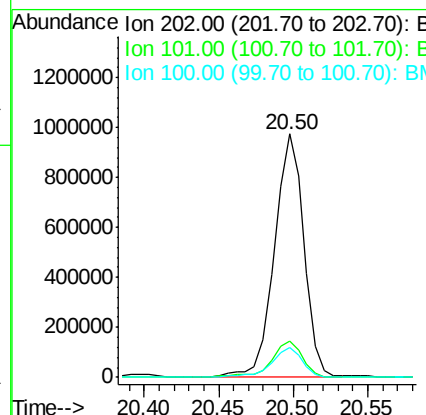
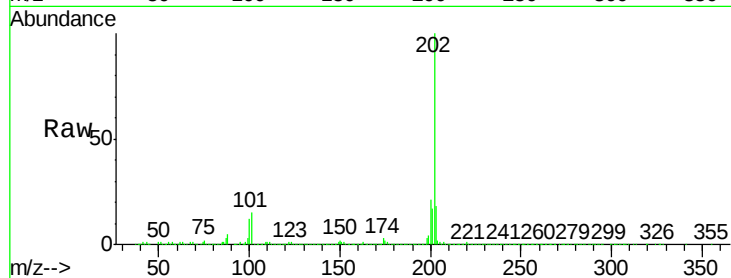
#19
 Pyrene
 Concen: 36.52 ng/ul
 RT: 20.50 min Scan# 2960
 Delta R.T. 0.01 min
 Lab File: BM002418.D
 Acq: 15 Aug 2015 10:57

Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.1	12.0	18.0
100	12.1	9.7	14.5

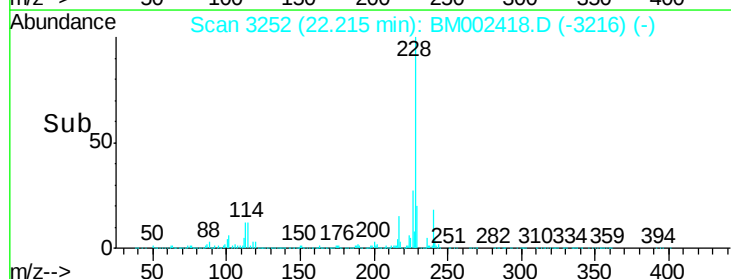
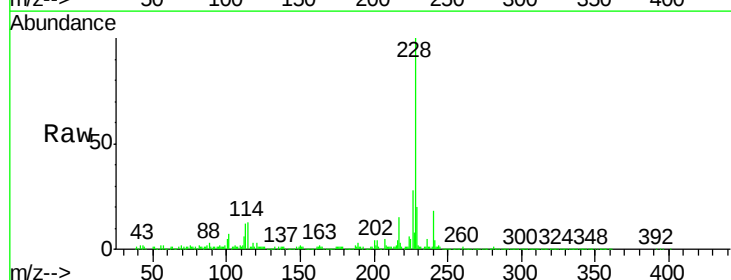
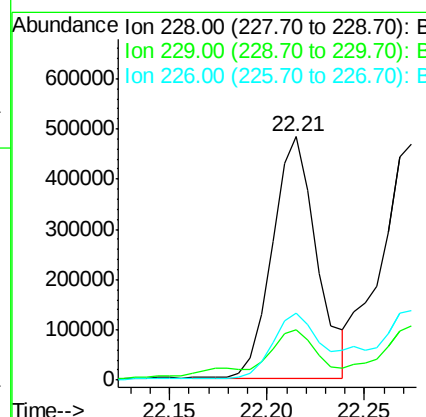
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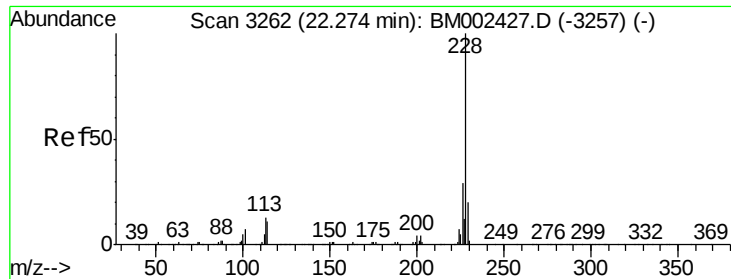
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#20
 Benzo(a)anthracene
 Concen: 20.51 ng/ul
 RT: 22.21 min Scan# 3252
 Delta R.T. 0.01 min
 Lab File: BM002418.D
 Acq: 15 Aug 2015 10:57

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.8	23.6
226	27.6	21.1	31.7





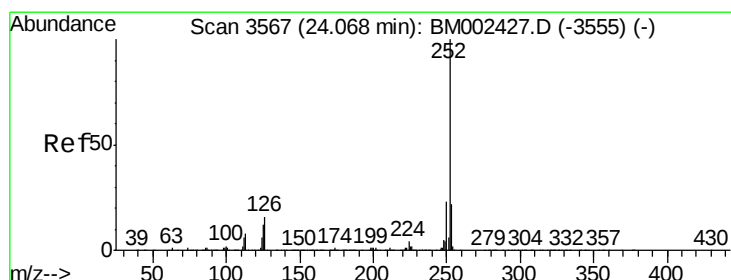
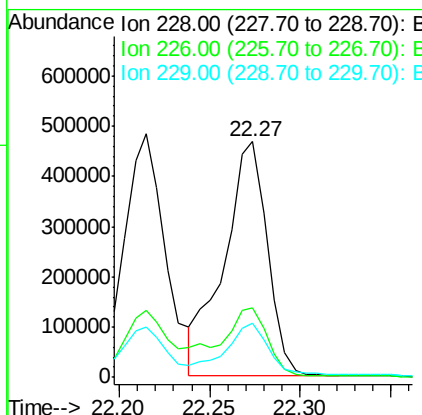
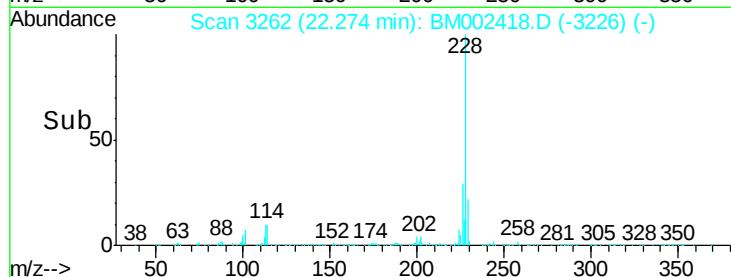
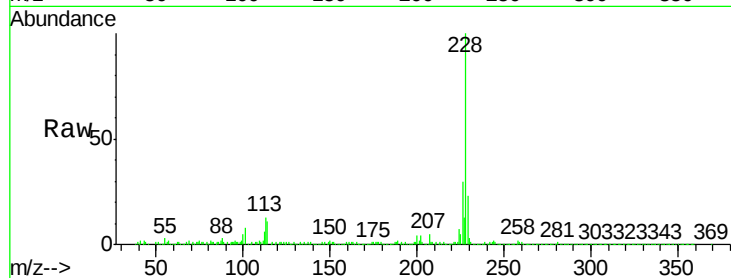
#21
Chrysene
Concen: 22.35 ng/ul
RT: 22.27 min Scan# 3262
Delta R.T. 0.01 min
Lab File: BM002418.D
Acq: 15 Aug 2015 10:57

Instrument :
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ClientSampleId :
D9DA7

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.4	35.2
229	22.9	15.7	23.5

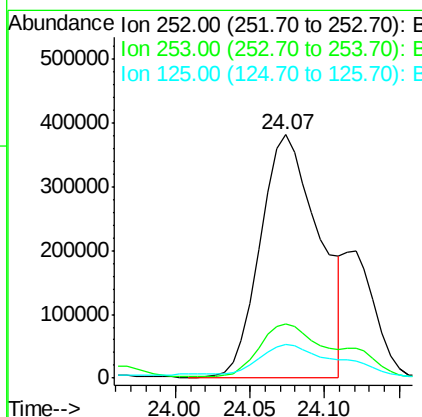
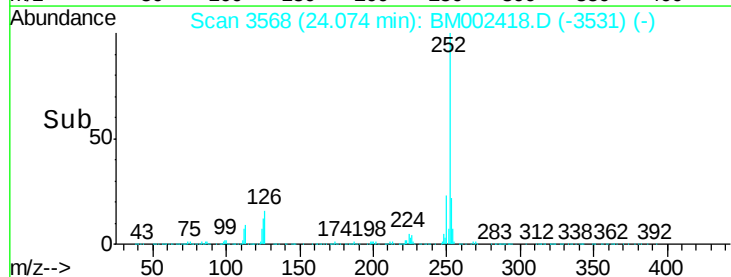
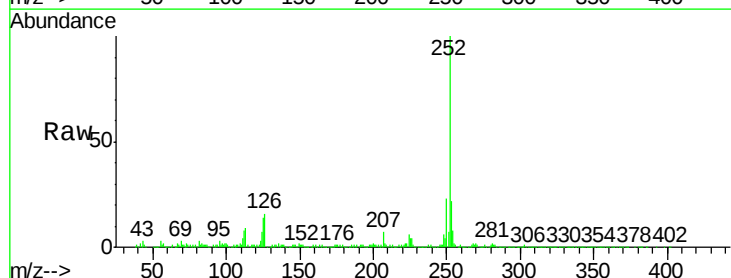
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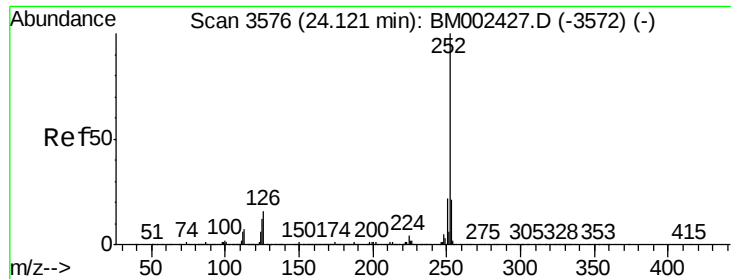
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#23
Benzo(b)fluoranthene
Concen: 33.35 ng/ul
RT: 24.07 min Scan# 3568
Delta R.T. 0.02 min
Lab File: BM002418.D
Acq: 15 Aug 2015 10:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	13.8	10.0	15.0





#24

Benzo(k)fluoranthene

Concen: 9.74 ng/ul m

RT: 24.12 min Scan# 3576

Delta R.T. 0.01 min

Lab File: BM002418.D

Acq: 15 Aug 2015 10:57

Instrument :

BNA_M

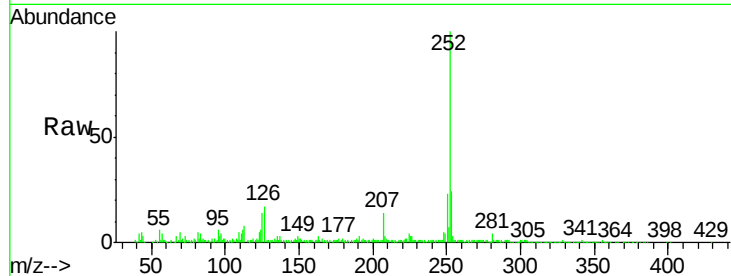
ClientSampleId :

D9DA7

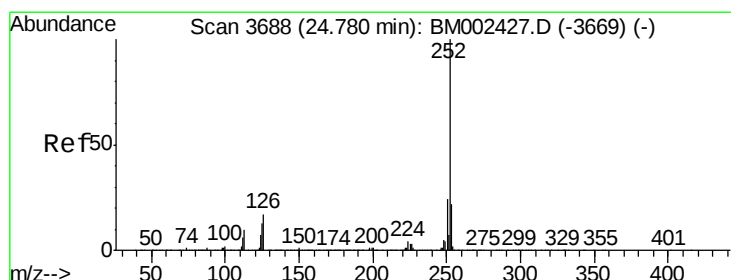
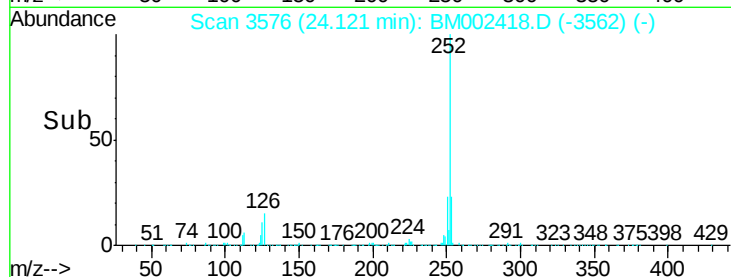
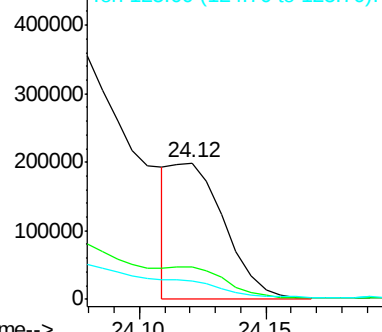
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	288327		
253	23.6	17.8	26.6	
125	13.7	9.8	14.8	

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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



#26

Benzo(a)pyrene

Concen: 20.14 ng/ul

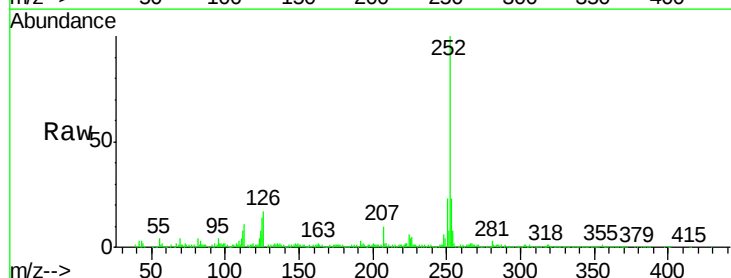
RT: 24.78 min Scan# 3688

Delta R.T. 0.02 min

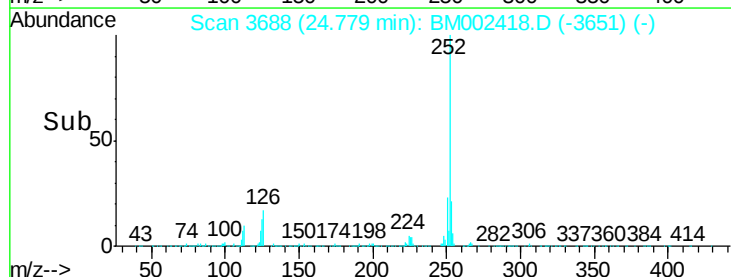
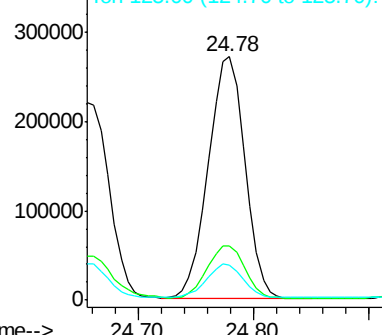
Lab File: BM002418.D

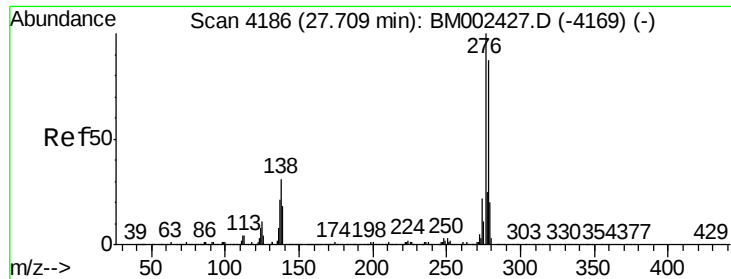
Acq: 15 Aug 2015 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	601273		
253	22.5	17.6	26.4	
125	14.3	10.7	16.1	



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





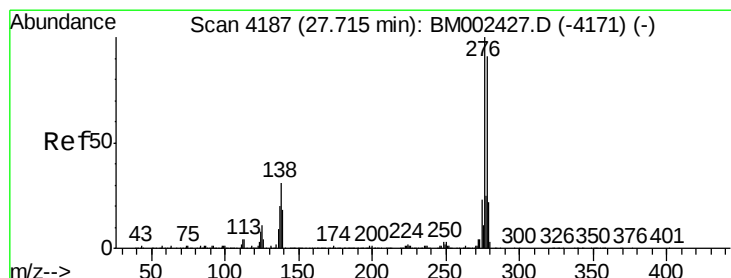
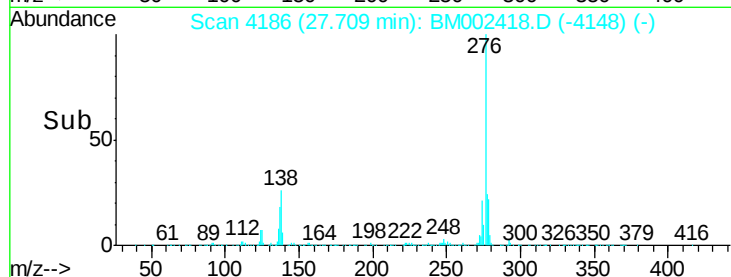
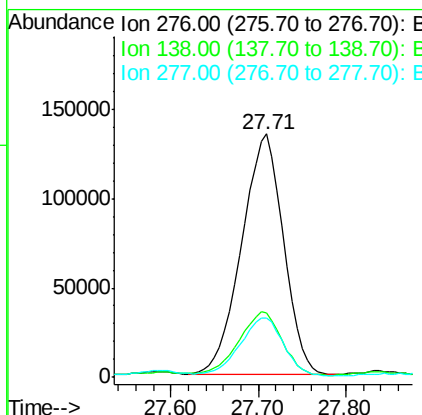
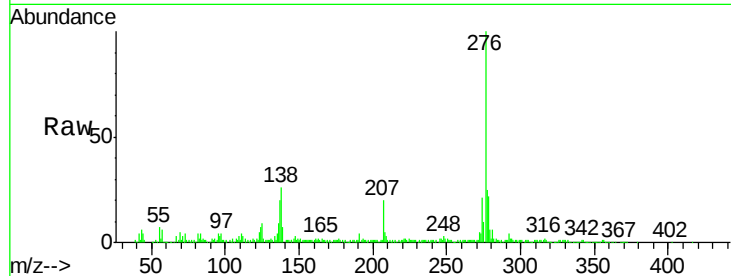
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 12.87 ng/ul
 RT: 27.71 min Scan# 4186
 Delta R.T. 0.02 min
 Lab File: BM002418.D
 Acq: 15 Aug 2015 10:57

Instrument :
 BNA_M
 ClientSampleId :
 D9DA7

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	441636		
138	26.4	25.3	37.9	
277	24.6	20.2	30.2	

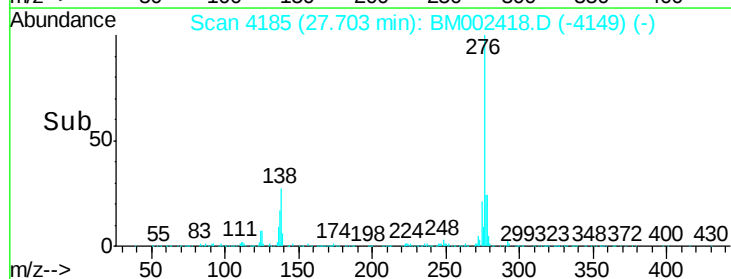
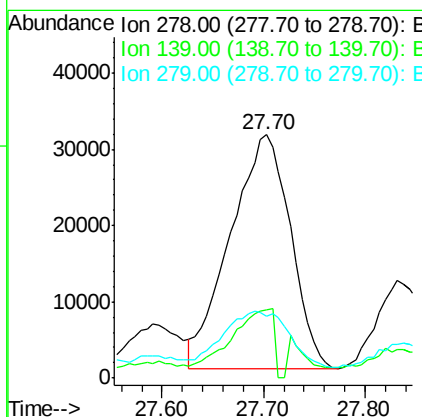
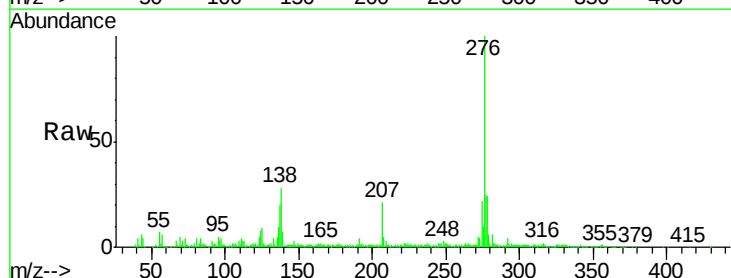
Manual Integrations
 APPROVED

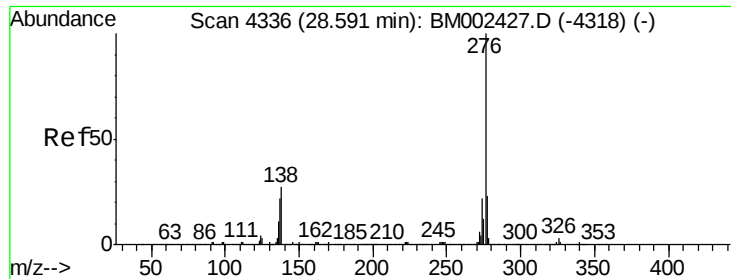
MMDadoda
 8/17/2015 2:45:13 PM



#28
 Dibenzo(a,h)anthracene
 Concen: 4.43 ng/ul
 RT: 27.70 min Scan# 4185
 Delta R.T. 0.01 min
 Lab File: BM002418.D
 Acq: 15 Aug 2015 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	127163		
139	27.9	16.5	24.7#	
279	25.5	18.8	28.2	





#29

Benzo(g,h,i)perylene

Concen: 13.70 ng/ul

RT: 28.59 min Scan# 4335

Delta R.T. 0.02 min

Lab File: BM002418.D

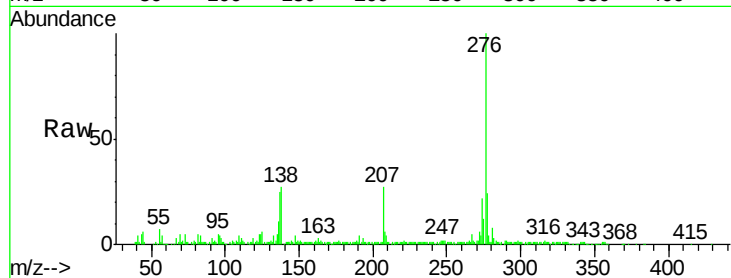
Acq: 15 Aug 2015 10:57

Instrument :

BNA_M

ClientSampleId :

D9DA7



Tgt	Ion	Ratio	Lower	Upper
276	100			
138	27.4	21.0	31.6	
277	24.5	19.2	28.8	

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:45:13 PM

