

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
 Data File : BM002470.D
 Acq On : 18 Aug 2015 02:41
 Operator : UM/IZ
 Sample : G3227-20
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DD9

Manual Integrations
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MMDadoda
 8/18/2015 5:19:19 PM

Quant Time: Aug 18 04:21:30 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 18 03:02:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.88	152	161175	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	701627	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	344549	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.17	188	596496	20.00	ng/ul	0.00
17) Chrysene-d12	22.25	240	403658	20.00	ng/ul	0.00
22) Perylene-d12	24.93	264	422316	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	989743	28.10	ng/ul	0.00
10) Fluorene-d10	16.43	176	637697	25.77	ng/ul	0.00
14) Anthracene-d10	18.27	188	803917	27.94	ng/ul	0.00
18) Pyrene-d10	20.49	212	622057	34.77	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.76	264	575862	25.96	ng/ul	0.00
Target Compounds						
3) Naphthalene	11.80	128	45963	1.28	ng/ul	Qvalue 98
4) 2-Methylnaphthalene	13.35	142	35919	1.34	ng/ul	96
5) 1-Methylnaphthalene	13.56	142	33569	1.27	ng/ul	99
8) Acenaphthylene	15.19	152	78536	2.13	ng/ul	99
13) Phenanthrene	18.21	178	1124921	32.66	ng/ul	100
15) Anthracene	18.30	178	102813	2.95	ng/ul	99
16) Fluoranthene	20.16	202	1597887	40.98	ng/ul	99
19) Pyrene	20.52	202	1257222	53.17	ng/ul	98
20) Benzo(a)anthracene	22.23	228	875279	36.26	ng/ul	98
21) Chrysene	22.29	228	1193081	52.84	ng/ul	98
23) Benzo(b)fluoranthene	24.11	252	2284933	89.50	ng/ul	97
24) Benzo(k)fluoranthene	24.16	252	682682m	28.22	ng/ul	
26) Benzo(a)pyrene	24.82	252	1274477	52.26	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.80	276	1241183	44.26	ng/ul	94
28) Dibenzo(a,h)anthracene	27.79	278	408561	17.43	ng/ul#	92
29) Benzo(g,h,i)perylene	28.69	276	1130840	48.44	ng/ul	99

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

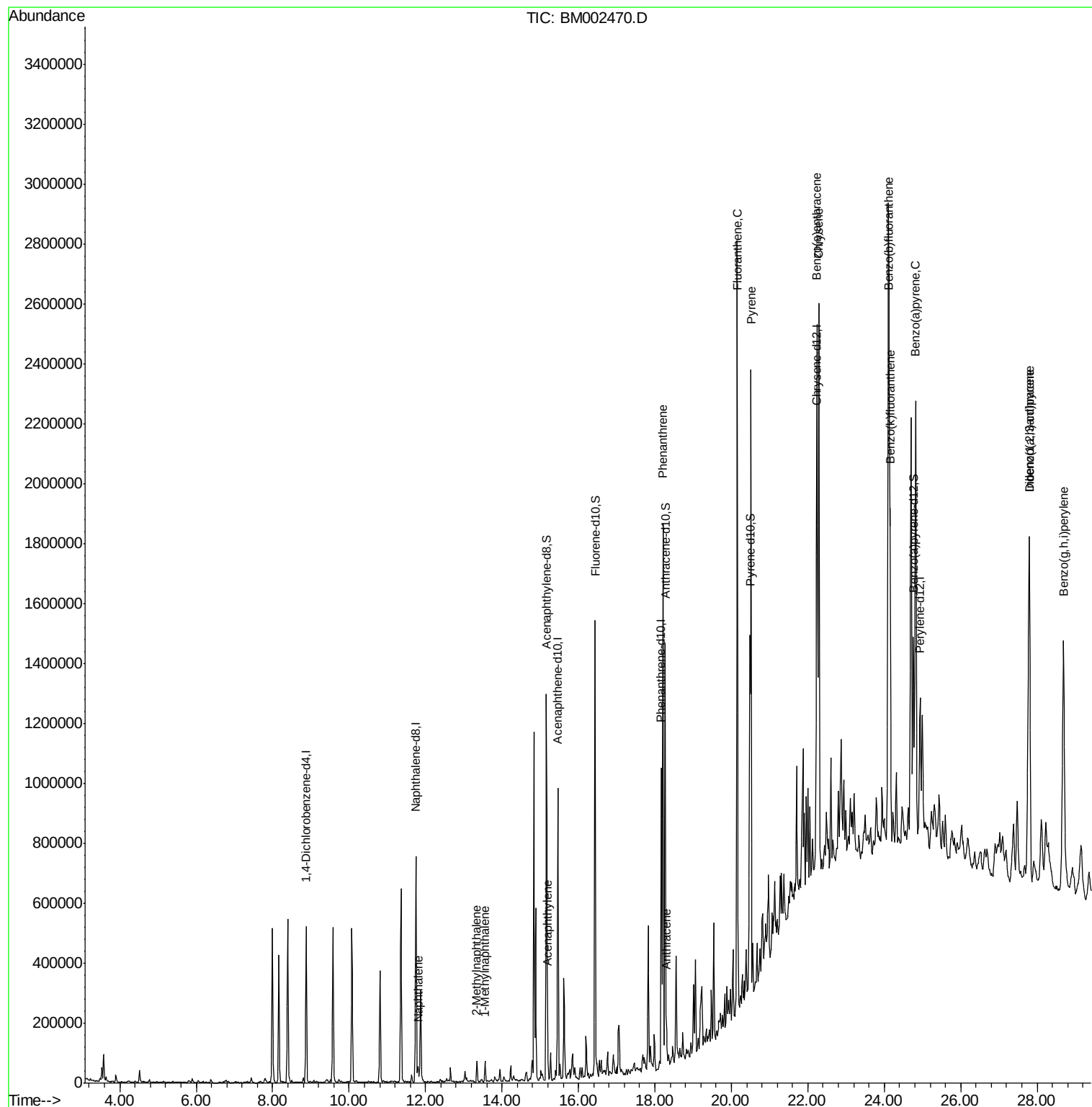
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
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ALS Vial : 27 Sample Multiplier: 1

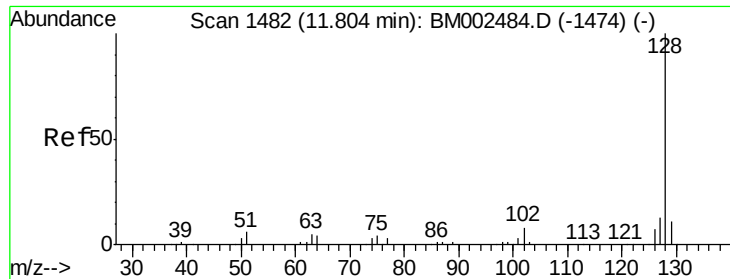
Instrument :
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D9DD9

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Quant Time: Aug 18 04:21:30 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
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Response via : Initial Calibration





#3

Naphthalene

Concen: 1.28 ng/ul

RT: 11.80 min Scan# 1481

Delta R.T. -0.01 min

Lab File: BM002470.D

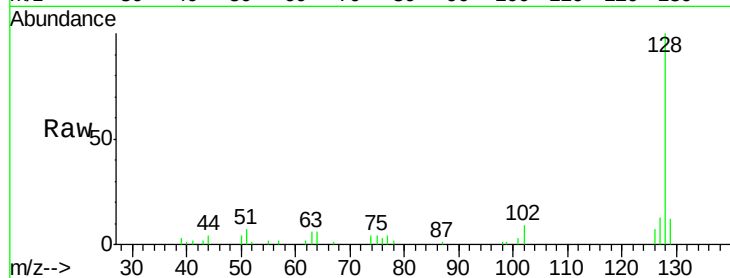
Acq: 18 Aug 2015 02:41

Instrument :

BNA_M

ClientSampleId :

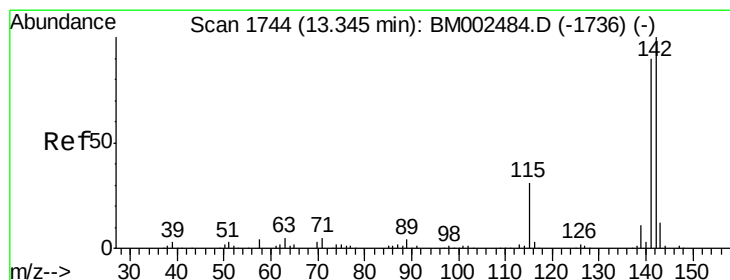
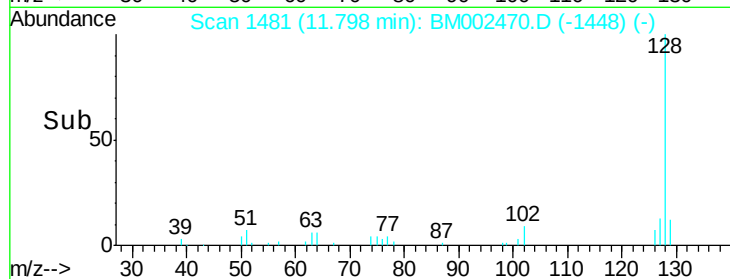
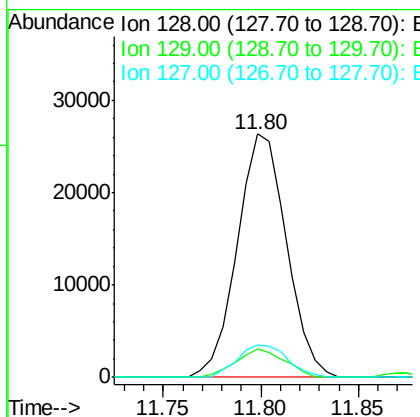
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Tgt Ion:	128	Resp:	45963
Ion Ratio	Lower	Upper	
128	100		
129	11.9	8.6	12.8
127	13.1	10.4	15.6

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#4

2-Methylnaphthalene

Concen: 1.34 ng/ul

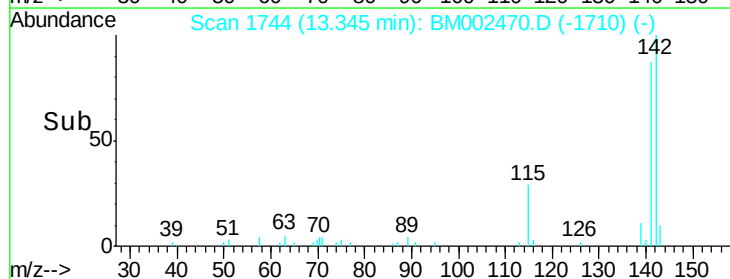
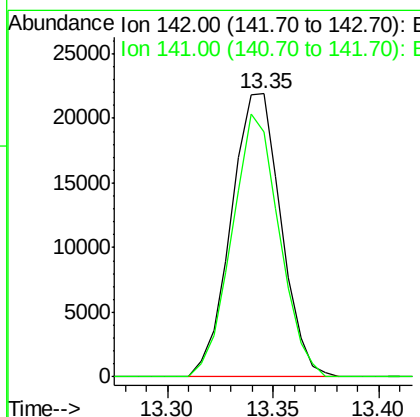
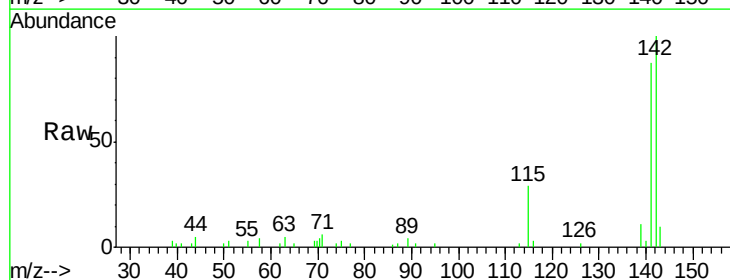
RT: 13.35 min Scan# 1744

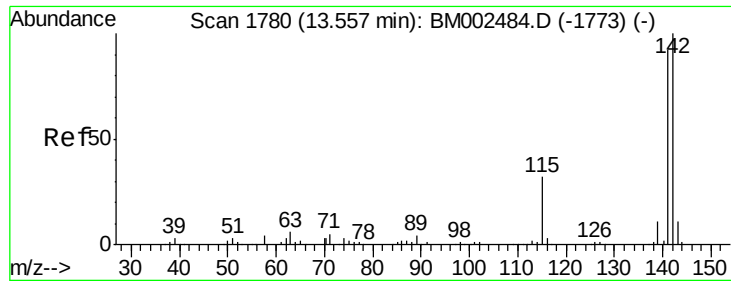
Delta R.T. 0.00 min

Lab File: BM002470.D

Acq: 18 Aug 2015 02:41

Tgt Ion:	142	Resp:	35919
Ion Ratio	Lower	Upper	
142	100		
141	86.7	72.2	108.2





#5

1-Methylnaphthalene

Concen: 1.27 ng/ul

RT: 13.56 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BM002470.D

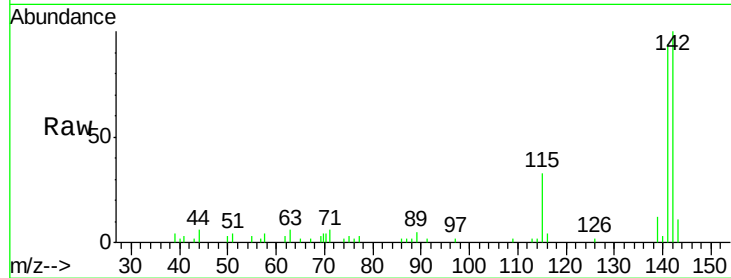
Acq: 18 Aug 2015 02:41

Instrument :

BNA_M

ClientSampleId :

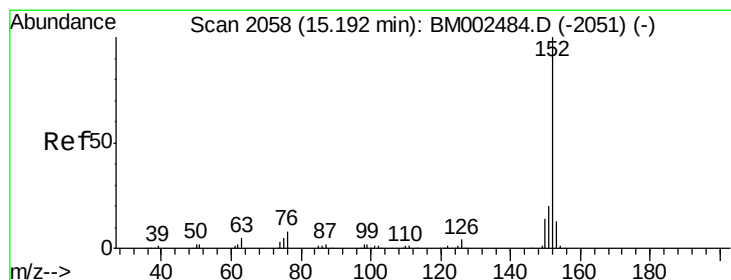
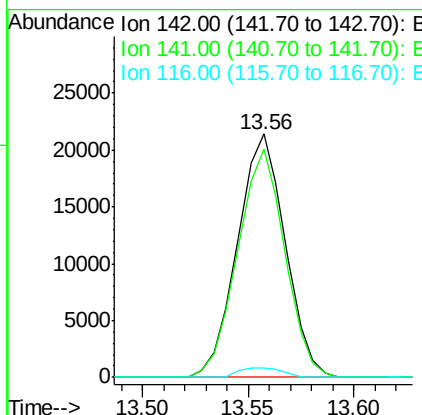
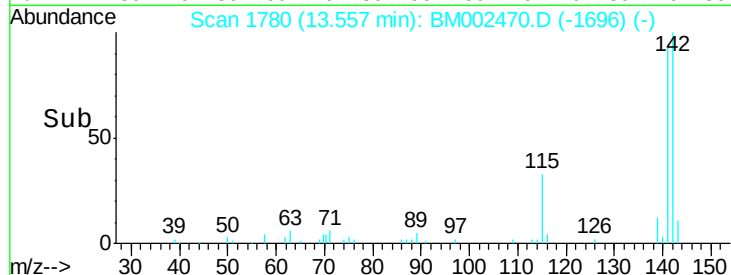
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Tgt Ion:	142	Resp:	33569
Ion Ratio	Lower	Upper	
142	100		
141	93.5	73.9	110.9
116	3.6	3.0	4.4

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#8

Acenaphthylene

Concen: 2.13 ng/ul

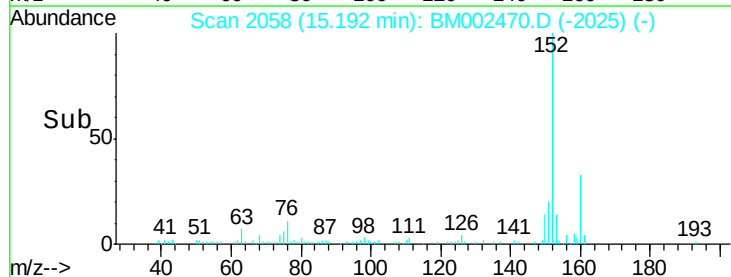
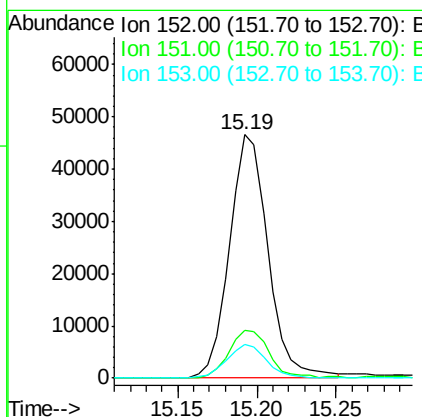
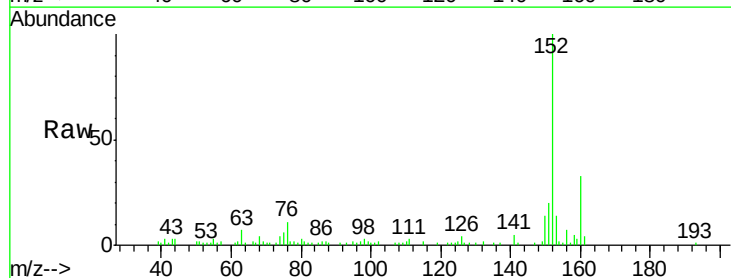
RT: 15.19 min Scan# 2058

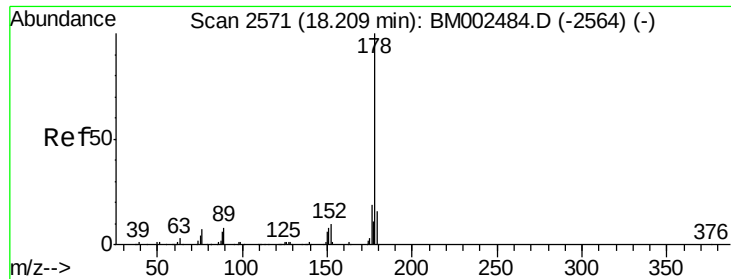
Delta R.T. -0.01 min

Lab File: BM002470.D

Acq: 18 Aug 2015 02:41

Tgt Ion:	152	Resp:	78536
Ion Ratio	Lower	Upper	
152	100		
151	19.7	15.7	23.5
153	13.8	10.2	15.4





#13

Phenanthrene

Concen: 32.66 ng/ul

RT: 18.21 min Scan# 2571

Delta R.T. -0.01 min

Lab File: BM002470.D

Acq: 18 Aug 2015 02:41

Instrument :

BNA_M

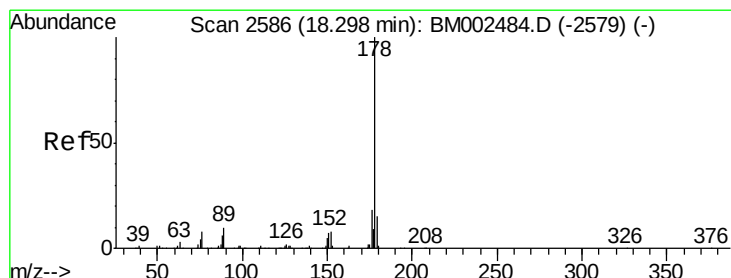
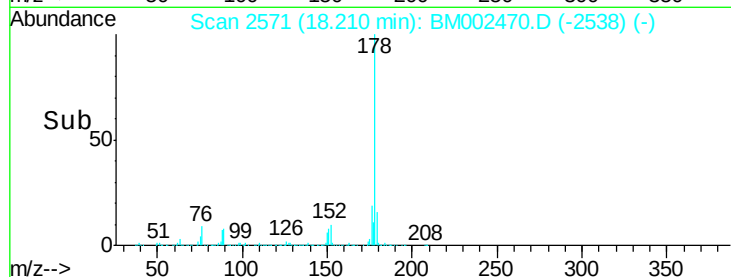
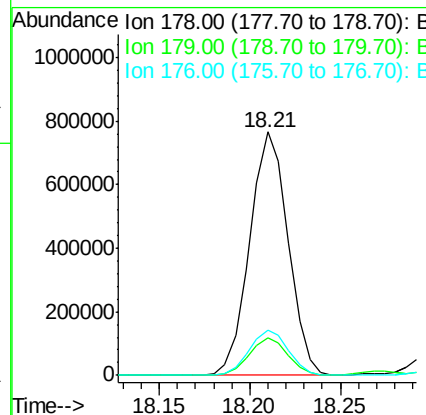
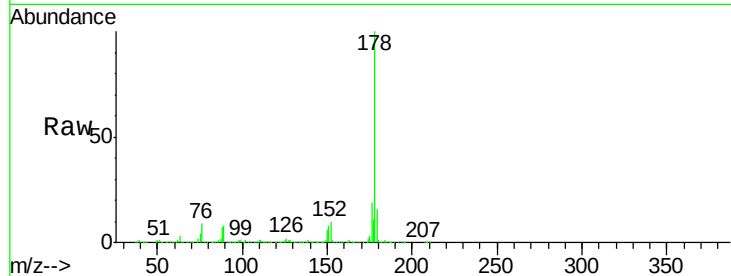
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6
176	18.8	15.1	22.7



#15

Anthracene

Concen: 2.95 ng/ul

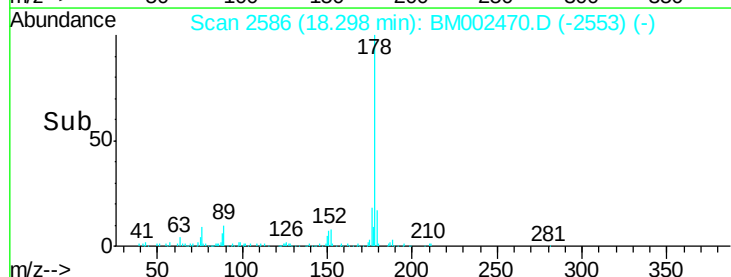
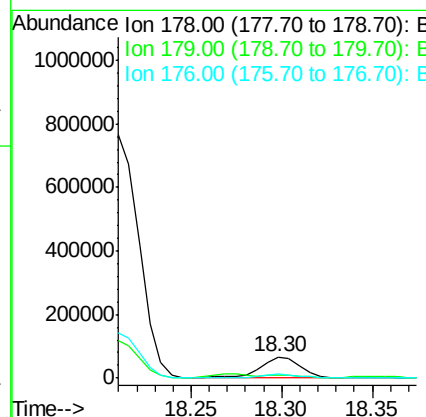
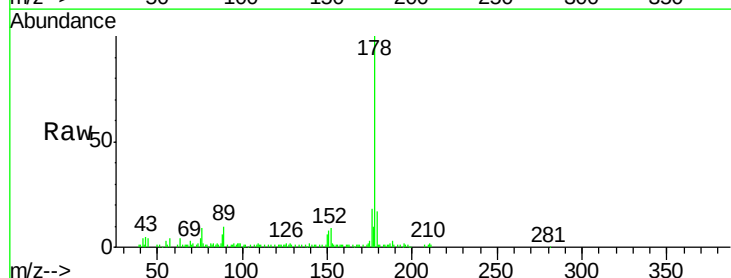
RT: 18.30 min Scan# 2586

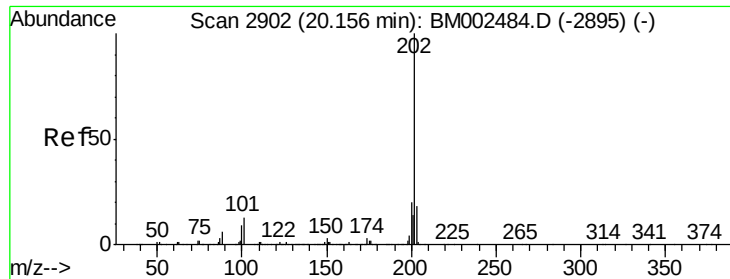
Delta R.T. -0.01 min

Lab File: BM002470.D

Acq: 18 Aug 2015 02:41

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.6	18.8
176	18.1	14.5	21.7





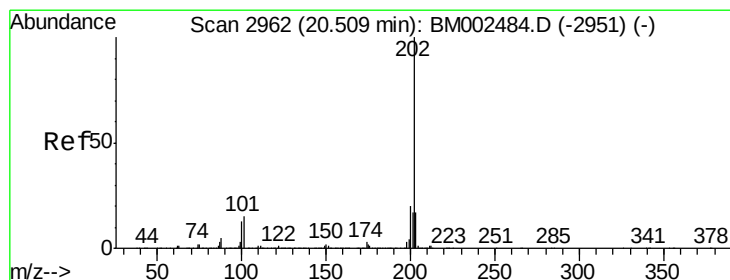
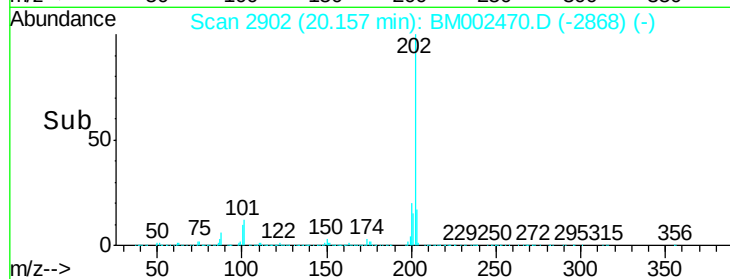
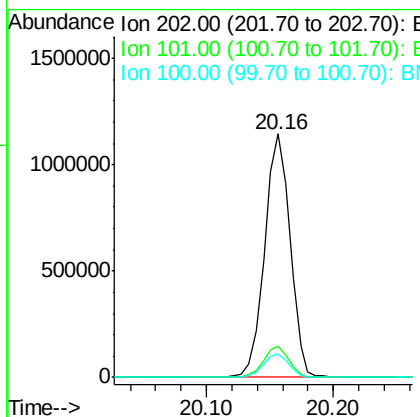
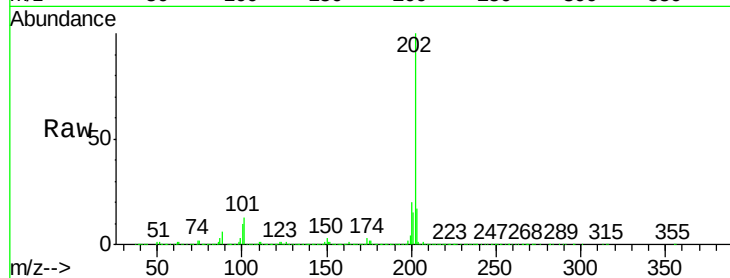
#16
 Fluoranthene
 Concen: 40.98 ng/ul
 RT: 20.16 min Scan# 2902
 Delta R.T. 0.00 min
 Lab File: BM002470.D
 Acq: 18 Aug 2015 02:41

Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	9.7	14.5
100	9.6	7.4	11.2

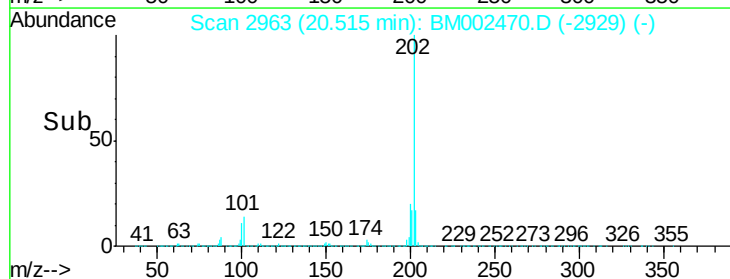
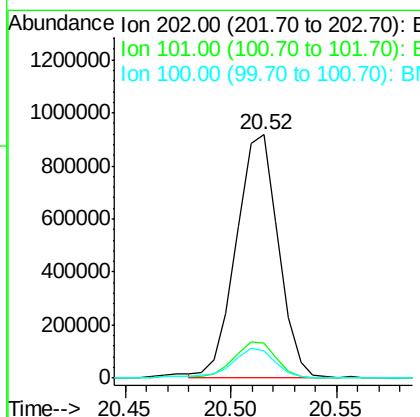
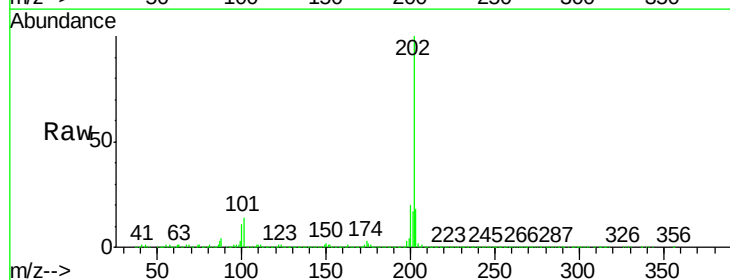
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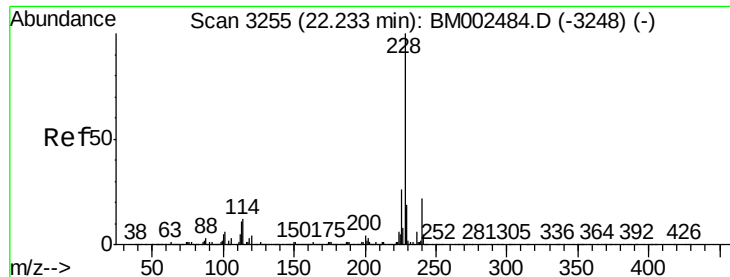
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#19
 Pyrene
 Concen: 53.17 ng/ul
 RT: 20.52 min Scan# 2963
 Delta R.T. 0.00 min
 Lab File: BM002470.D
 Acq: 18 Aug 2015 02:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.3	12.0	18.0
100	11.3	9.7	14.5





#20

Benzo(a)anthracene

Concen: 36.26 ng/ul

RT: 22.23 min Scan# 3255

Delta R.T. 0.00 min

Lab File: BM002470.D

Acq: 18 Aug 2015 02:41

Instrument :

BNA_M

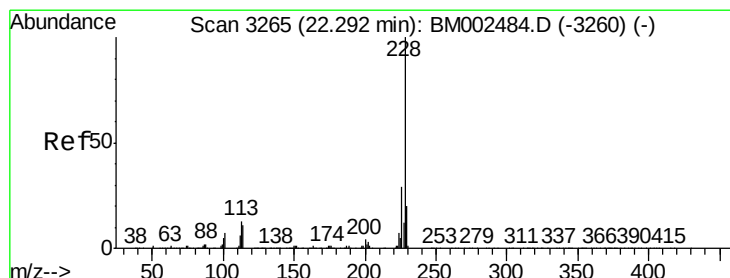
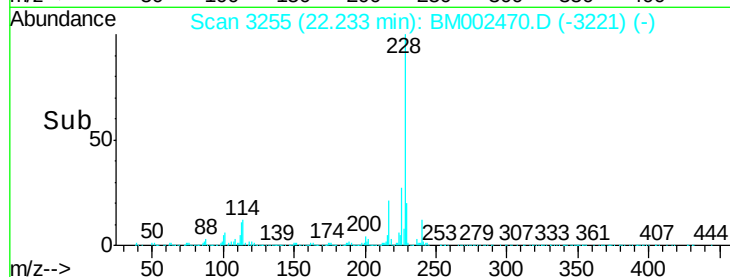
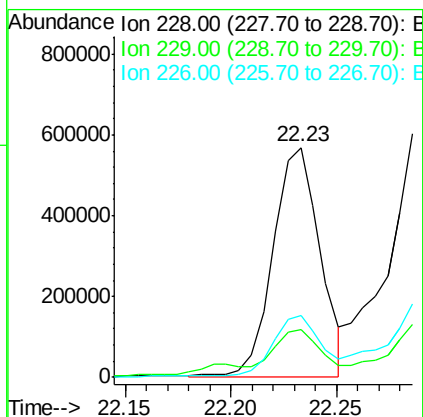
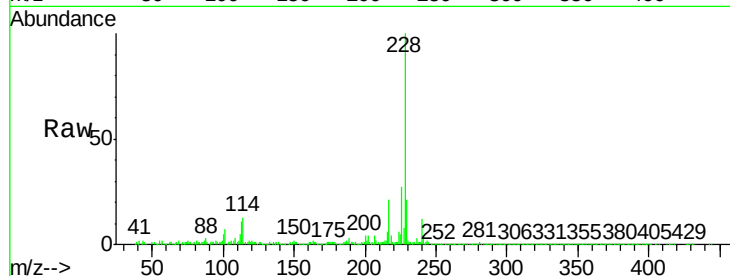
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.8	23.6
226	26.9	21.1	31.7

Manual Integrations
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#21

Chrysene

Concen: 52.84 ng/ul

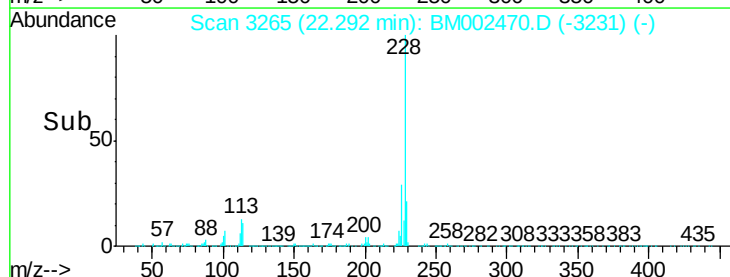
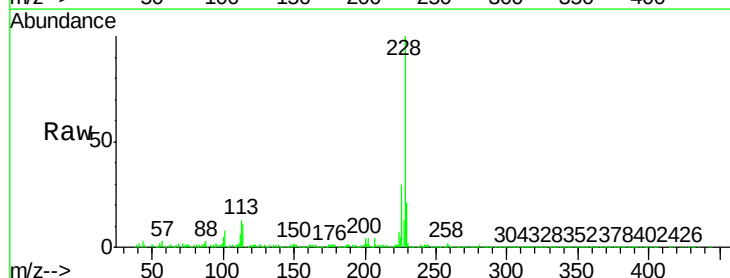
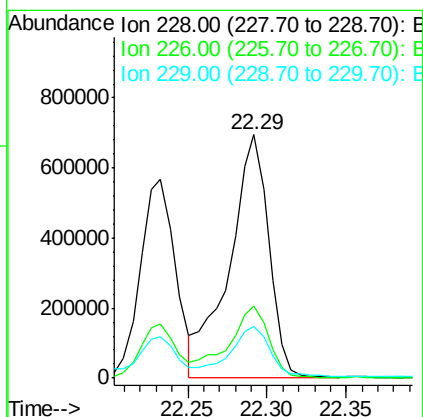
RT: 22.29 min Scan# 3265

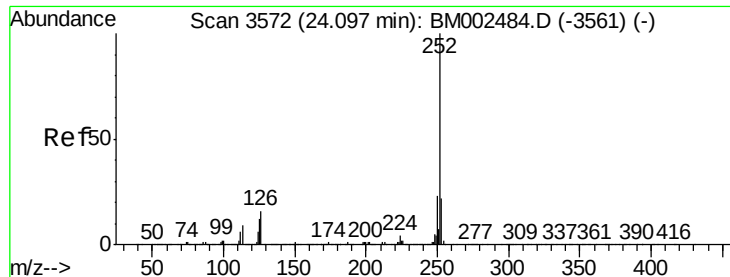
Delta R.T. 0.00 min

Lab File: BM002470.D

Acq: 18 Aug 2015 02:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.4	35.2
229	21.4	15.7	23.5





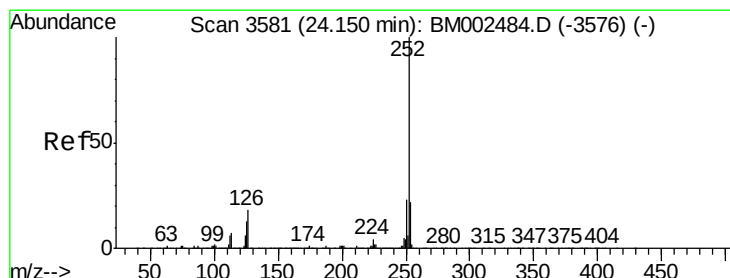
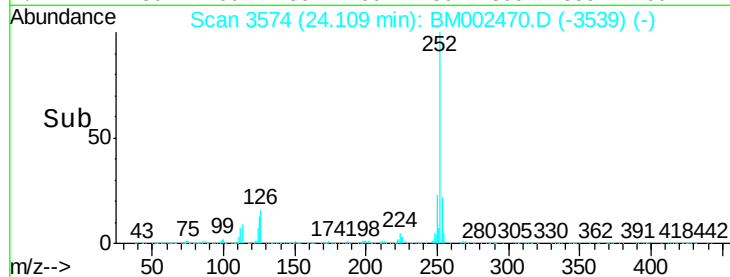
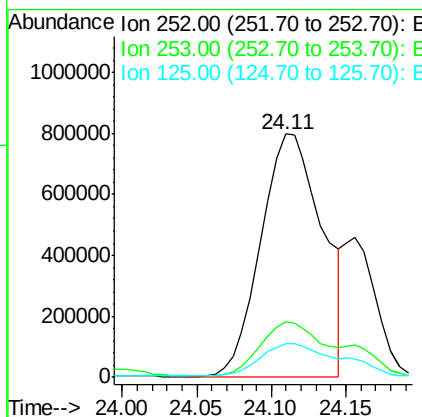
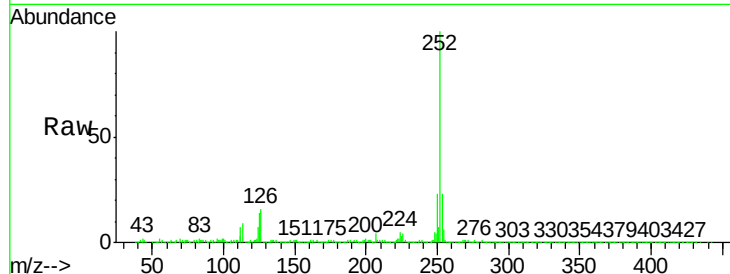
#23
Benzo(b)fluoranthene
Concen: 89.50 ng/ul
RT: 24.11 min Scan# 3574
Delta R.T. 0.01 min
Lab File: BM002470.D
Acq: 18 Aug 2015 02:41

Instrument :
BNA_M
ClientSampleId :
D9DD9

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	13.7	10.0	15.0

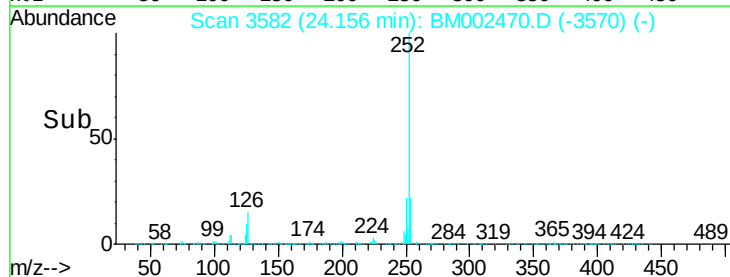
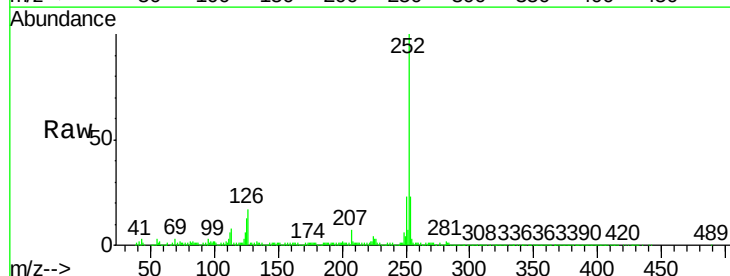
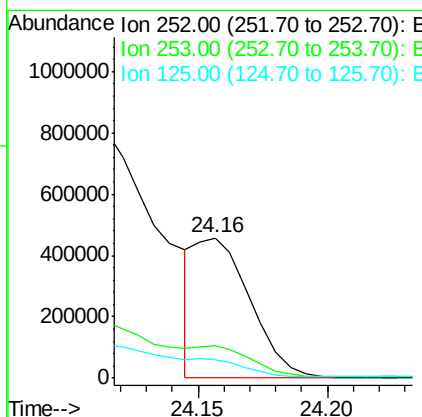
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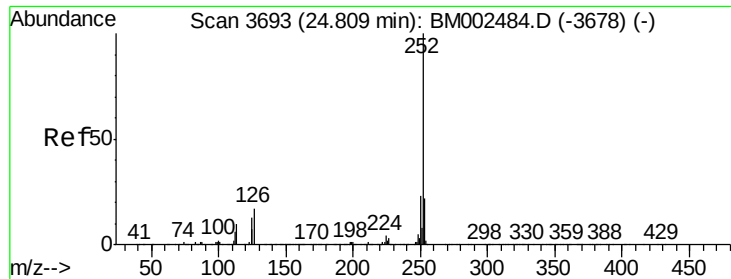
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#24
Benzo(k)fluoranthene
Concen: 28.22 ng/ul m
RT: 24.16 min Scan# 3582
Delta R.T. 0.00 min
Lab File: BM002470.D
Acq: 18 Aug 2015 02:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	13.1	9.8	14.8





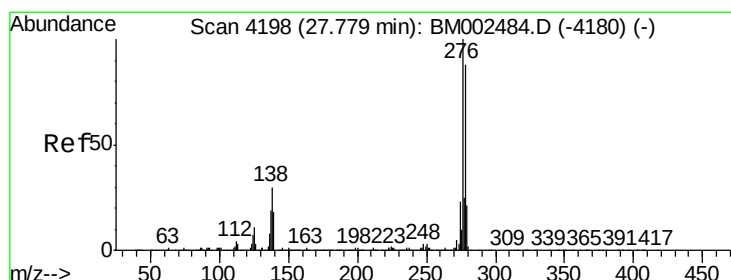
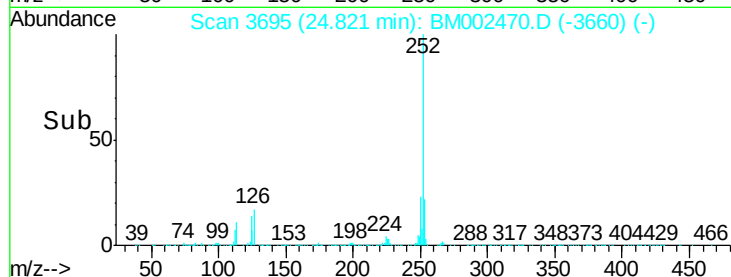
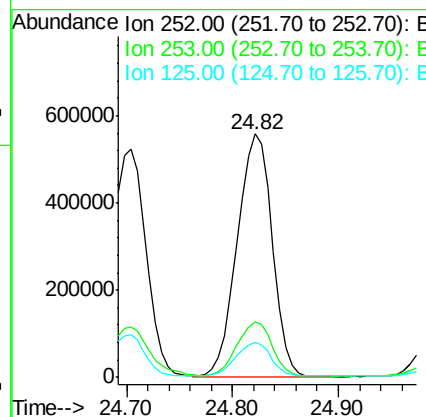
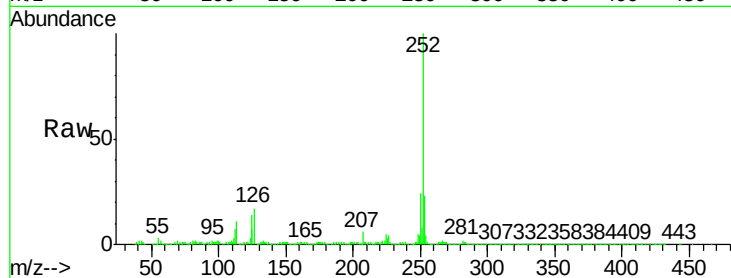
#26
Benzo(a)pyrene
Concen: 52.26 ng/ul
RT: 24.82 min Scan# 3695
Delta R.T. 0.01 min
Lab File: BM002470.D
Acq: 18 Aug 2015 02:41

Instrument :
BNA_M
ClientSampleId :
D9DD9

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.6	26.4
125	14.4	10.7	16.1

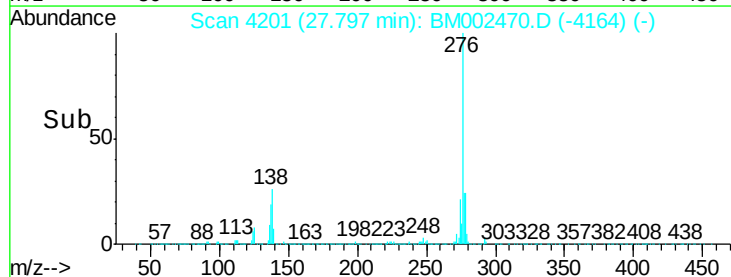
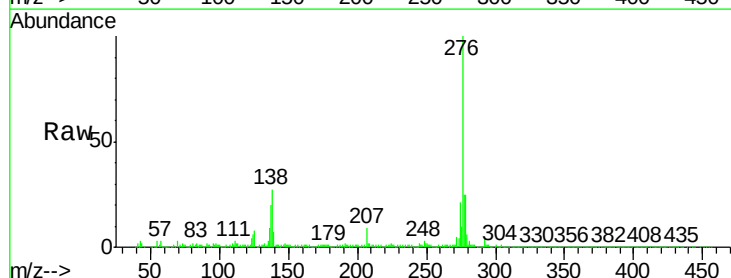
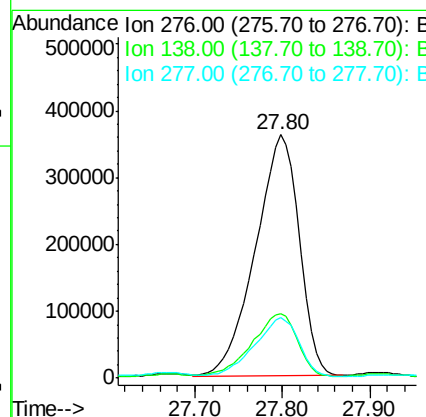
Manual Integrations
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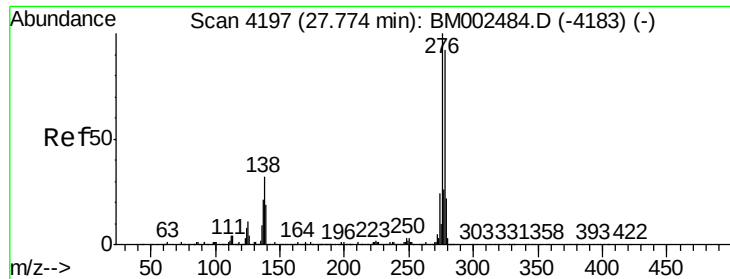
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#27
Indeno(1,2,3-cd)pyrene
Concen: 44.26 ng/ul
RT: 27.80 min Scan# 4201
Delta R.T. 0.02 min
Lab File: BM002470.D
Acq: 18 Aug 2015 02:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.5	25.3	37.9
277	24.7	20.2	30.2





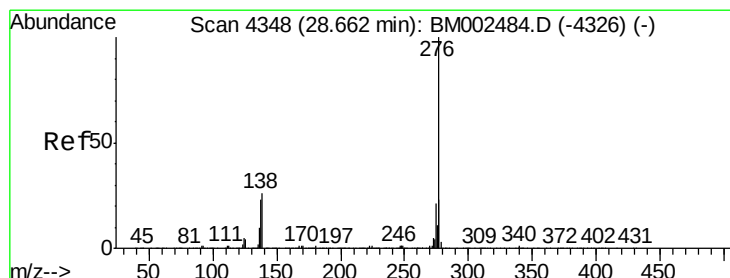
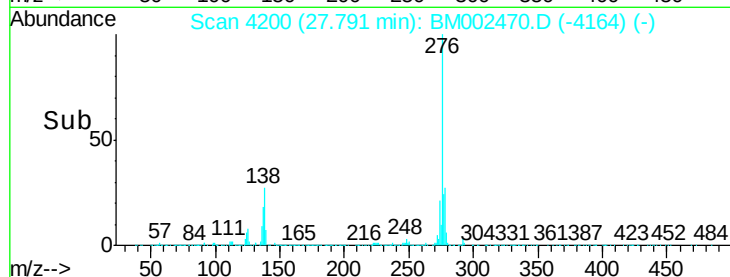
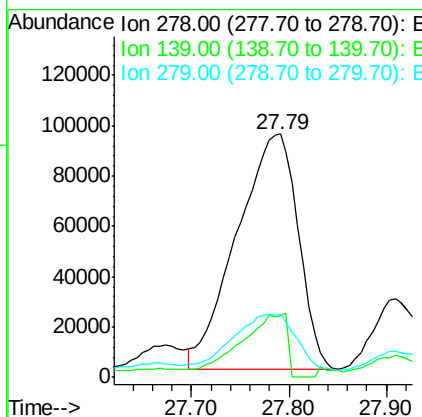
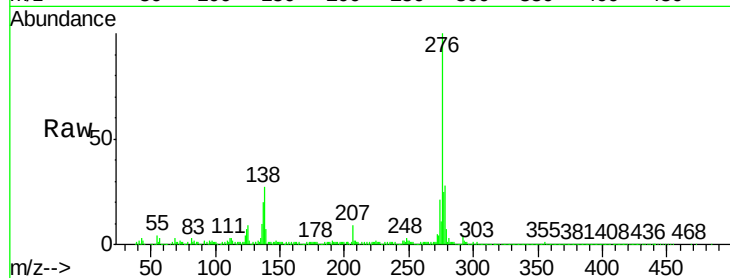
#28
Dibenzo(a,h)anthracene
Concen: 17.43 ng/ul
RT: 27.79 min Scan# 4200
Delta R.T. 0.01 min
Lab File: BM002470.D
Acq: 18 Aug 2015 02:41

Instrument :
BNA_M
ClientSampleId :
D9DD9

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.6	16.5	24.7#
279	26.1	18.8	28.2

Manual Integrations
APPROVED

MMDadoda
8/18/2015 5:19:19 PM



#29
Benzo(g,h,i)perylene
Concen: 48.44 ng/ul
RT: 28.69 min Scan# 4353
Delta R.T. 0.02 min
Lab File: BM002470.D
Acq: 18 Aug 2015 02:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.6	21.0	31.6
277	24.4	19.2	28.8

