

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081016\
 Data File : BM007012.D
 Acq On : 10 Aug 2016 22:24
 Operator : UM/SJ
 Sample : H4303-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA0J0

Manual Integrations
 APPROVED

umangi
 8/11/2016 6:37:52 AM

Quant Time: Aug 11 03:34:17 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 10 01:30:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	354803	20.00	ng/ul	0.00
7) Naphthalene-d8	10.60	136	1577721	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.45	164	963810	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.19	188	2246465	20.00	ng/ul	0.00
29) Chrysene-d12	21.37	240	2325731	20.00	ng/ul	0.00
34) Perylene-d12	23.65	264	1938444	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.33	96	14824	1.91	ng/uL	0.00
3) Phenol-d5	6.97	99	606598	19.21	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.15	67	409170	23.19	ng/ul	0.00
5) 2-Chlorophenol-d4	7.35	132	531398	22.18	ng/ul	0.00
6) 4-Methylphenol-d8	8.51	113	421940	15.78	ng/ul	0.00
8) Nitrobenzene-d5	8.97	128	283659	23.54	ng/ul	0.00
9) 2-Nitrophenol-d4	9.69	143	304900	22.09	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.22	165	588891	21.85	ng/ul	0.00
12) 4-Chloroaniline-d4	10.74	131	600538	19.06	ng/ul	0.00
16) Dimethylphthalate-d6	13.86	166	1978269	24.01	ng/ul	0.00
17) Acenaphthylene-d8	14.14	160	2434231	25.23	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	220398	14.91	ng/ul	0.00
21) Fluorene-d10	15.44	176	1709774	24.42	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.56	200	178662	14.67	ng/ul	0.00
26) Anthracene-d10	17.29	188	2573640	24.59	ng/ul	0.00
30) Pyrene-d10	19.59	212	3040241	28.75	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.50	264	2316481	25.99	ng/ul	0.00

Target Compounds

						Qvalue
11) Naphthalene	10.65	128	573178	7.24	ng/ul	99
13) 2-Methylnaphthalene	12.26	142	99416	1.59	ng/ul	99
19) Acenaphthene	14.51	153	426667	6.62	ng/ul	97
22) Fluorene	15.50	166	286880	3.75	ng/ul	99
25) Phenanthrene	17.23	178	4274895	35.52	ng/ul	99
27) Anthracene	17.33	178	858759	6.91	ng/ul	99
28) Fluoranthene	19.25	202	6444073	42.51	ng/ul	98
31) Pyrene	19.62	202	5299028	39.28	ng/ul	98
32) Benzo(a)anthracene	21.36	228	2866942	20.94	ng/ul	98
33) Chrysene	21.41	228	2748504	22.11	ng/ul	98
35) Benzo(b)fluoranthene	22.97	252	3693396	30.67	ng/ul	98
36) Benzo(k)fluoranthene	23.01	252	1054052m	9.27	ng/ul	
38) Benzo(a)pyrene	23.55	252	2324870	20.99	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.95	276	1714379	15.61	ng/ul	96
40) Dibenzo(a,h)anthracene	25.96	278	437394m	4.81	ng/ul	
41) Benzo(g,h,i)perylene	26.66	276	1656118	18.34	ng/ul	99

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

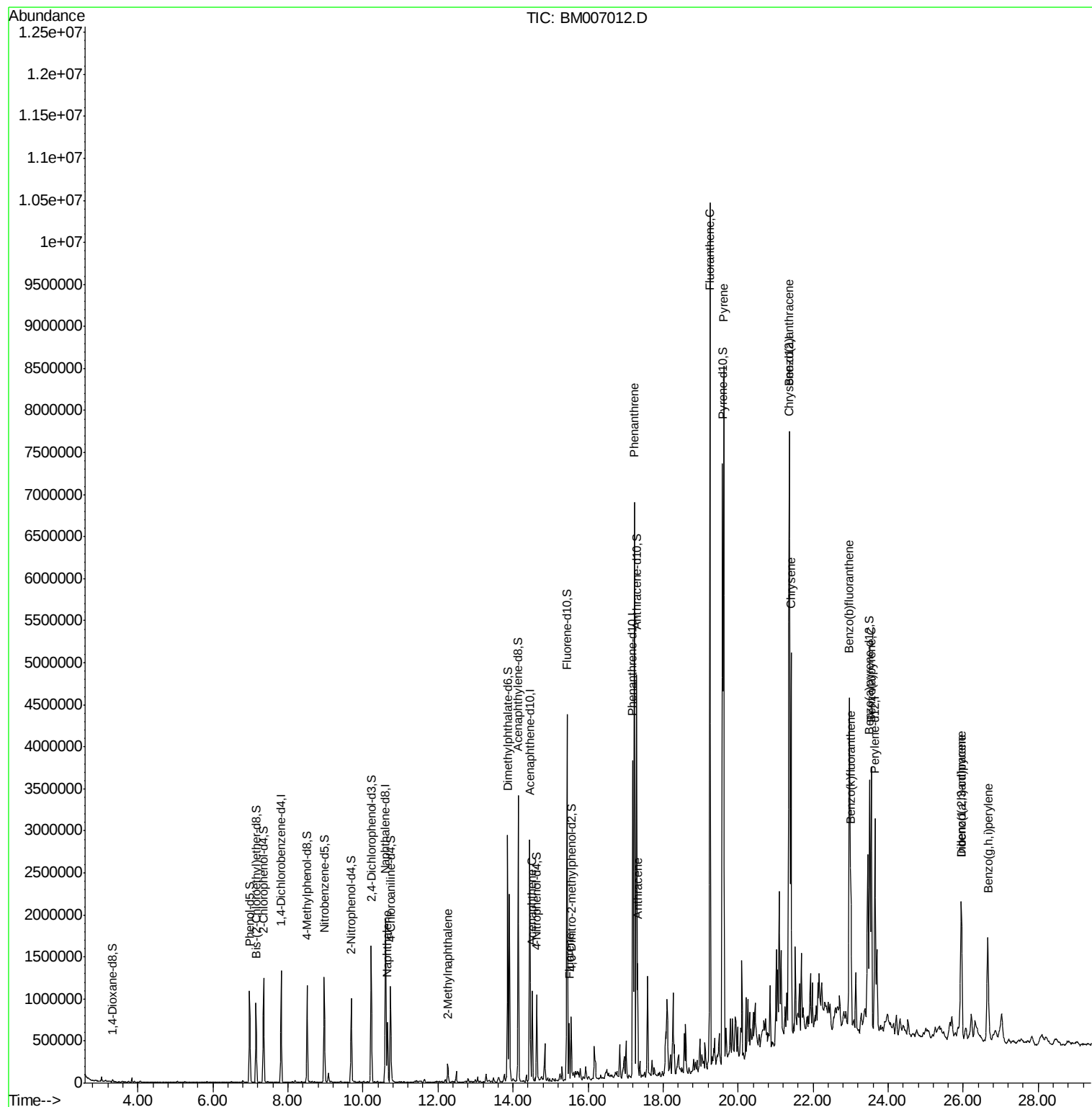
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081016\
Data File : BM007012.D
Acq On : 10 Aug 2016 22:24
Operator : UM/SJ
Sample : H4303-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

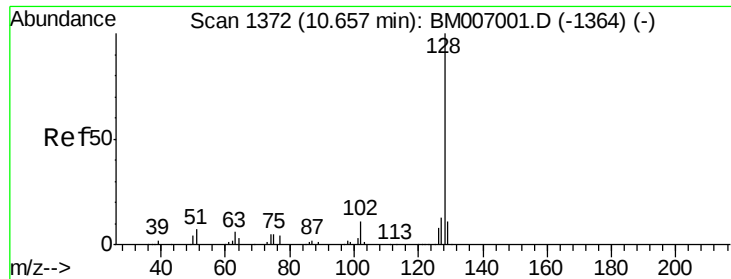
Instrument :
BNA_M
ClientSampleId :
DA0J0

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Quant Time: Aug 11 03:34:17 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080916.M
Quant Title : SVOA CALIBRATION
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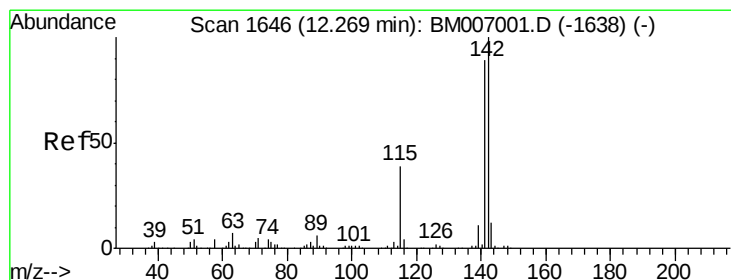
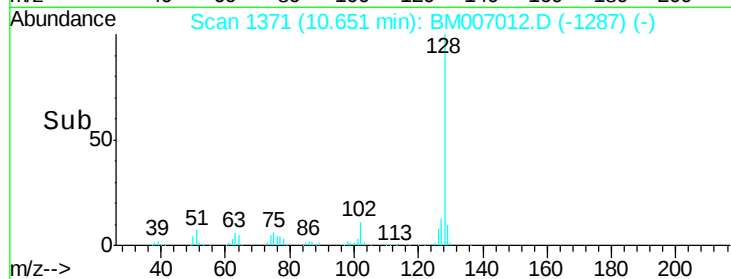
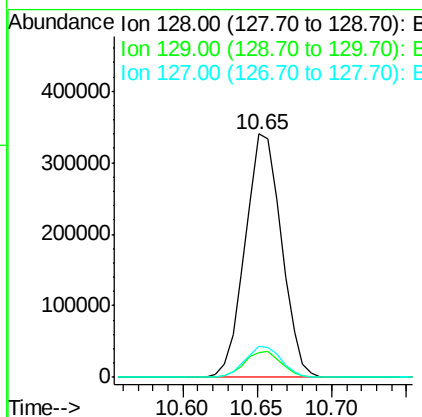
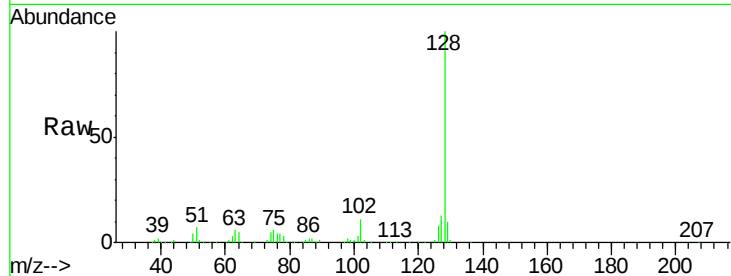
#11
Naphthalene
Concen: 7.24 ng/ul
RT: 10.65 min Scan# 1371
Delta R.T. -0.01 min
Lab File: BM007012.D
Acq: 10 Aug 2016 22:24

Instrument :
BNA_M
ClientSampleId :
DA0J0

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	573178		
129	10.3		8.9	13.3
127	12.8		10.4	15.6

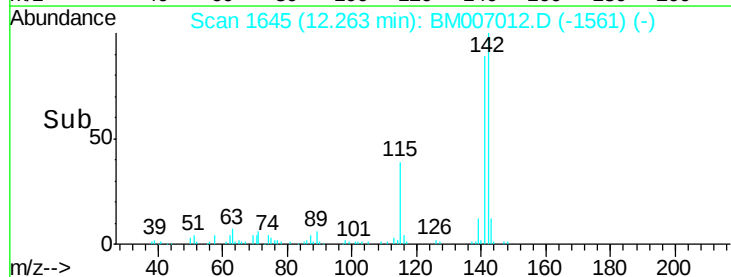
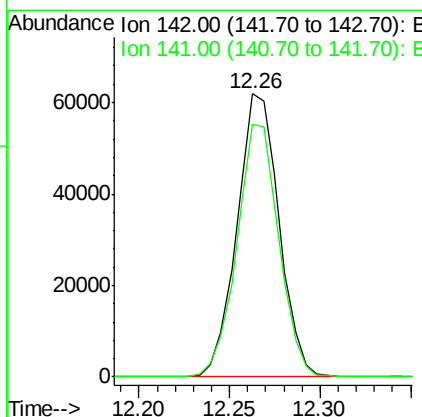
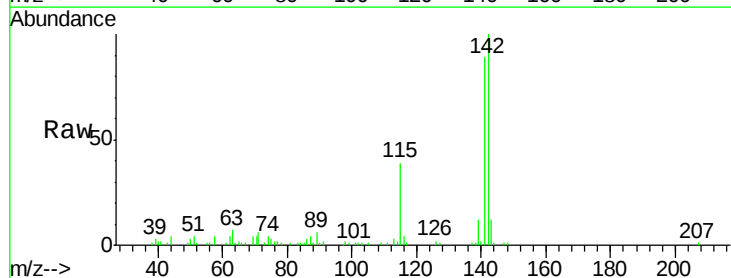
Manual Integrations
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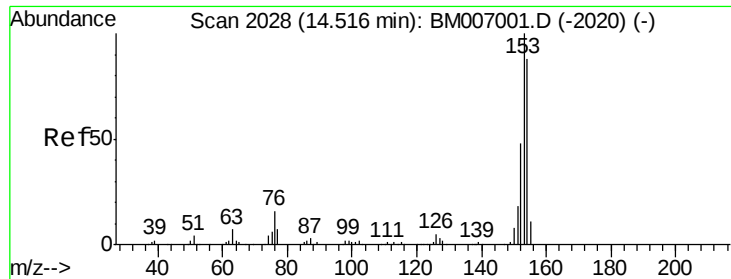
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#13
2-Methylnaphthalene
Concen: 1.59 ng/ul
RT: 12.26 min Scan# 1645
Delta R.T. -0.01 min
Lab File: BM007012.D
Acq: 10 Aug 2016 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	99416		
141	89.4		71.0	106.6





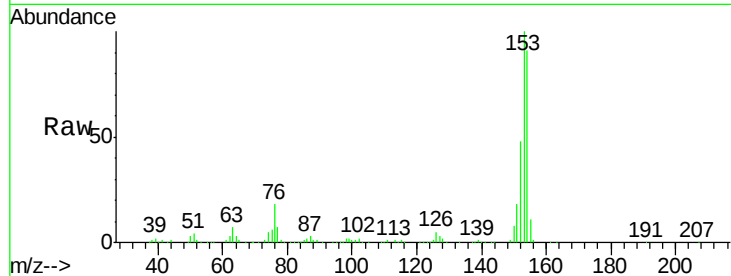
#19
Acenaphthene
Concen: 6.62 ng/ul
RT: 14.51 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BM007012.D
Acq: 10 Aug 2016 22:24

Instrument :
BNA_M
ClientSampleId :
DA0J0

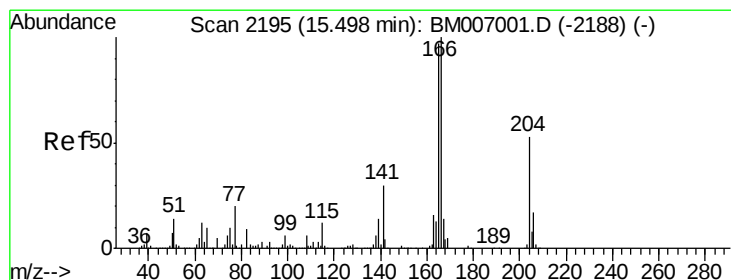
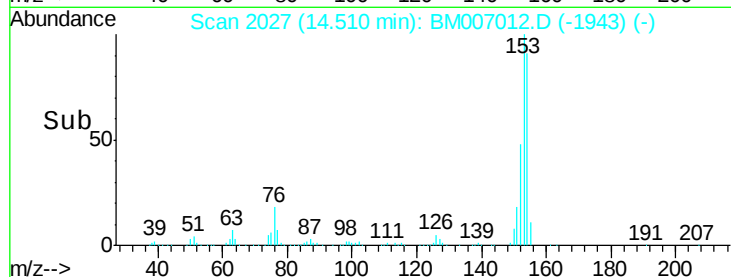
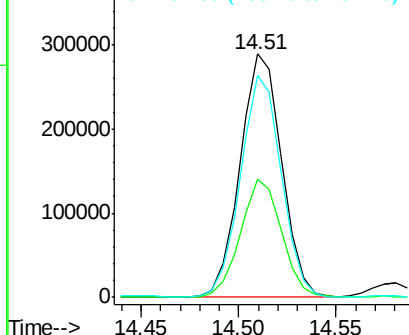
Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.3	37.0	55.6
154	91.2	70.9	106.3

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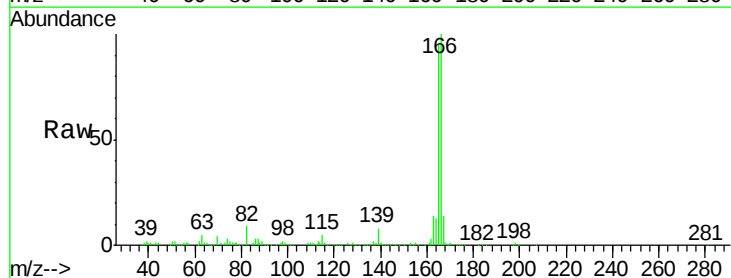


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E

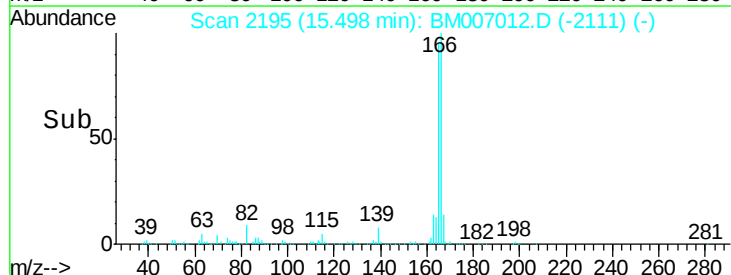
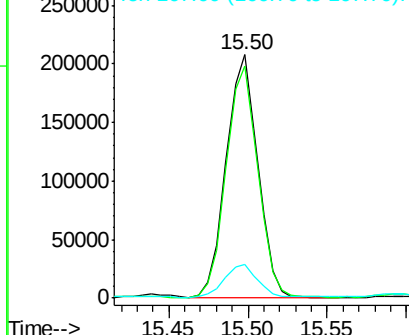


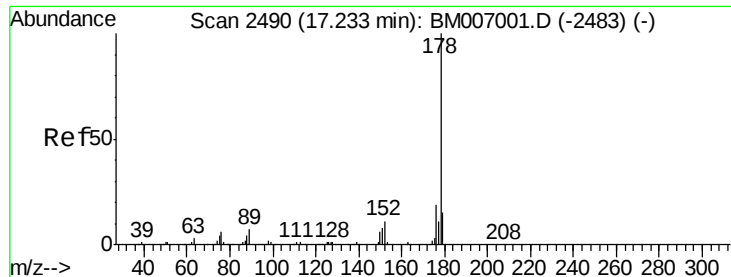
#22
Fluorene
Concen: 3.75 ng/ul
RT: 15.50 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BM007012.D
Acq: 10 Aug 2016 22:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.1	76.6	115.0
167	13.7	10.7	16.1



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 35.52 ng/ul

RT: 17.23 min Scan# 2490

Delta R.T. -0.01 min

Lab File: BM007012.D

Acq: 10 Aug 2016 22:24

Instrument :

BNA_M

ClientSampleId :

DA0J0

Tgt Ion:178 Resp: 4274895

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

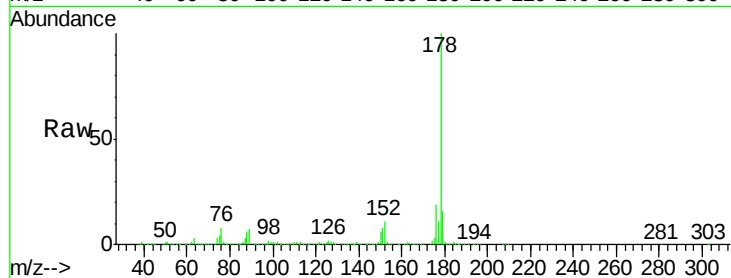
176 19.3 15.2 22.8

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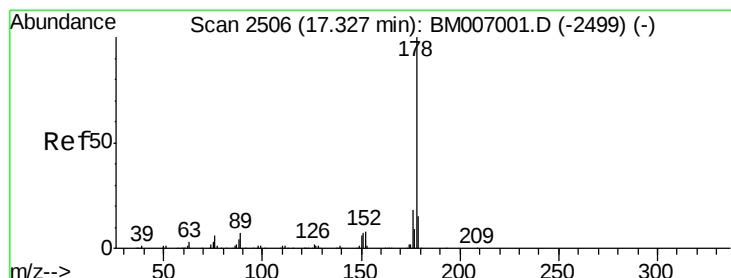
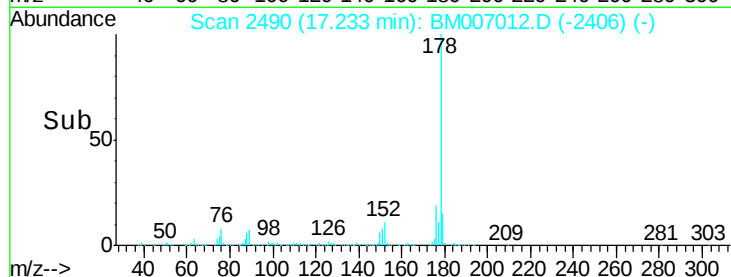
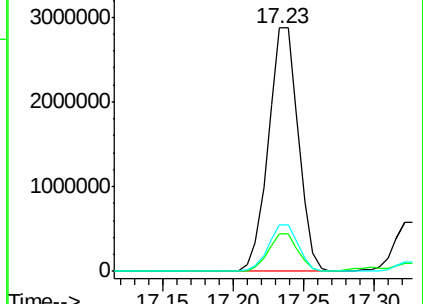
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#27

Anthracene

Concen: 6.91 ng/ul

RT: 17.33 min Scan# 2506

Delta R.T. 0.00 min

Lab File: BM007012.D

Acq: 10 Aug 2016 22:24

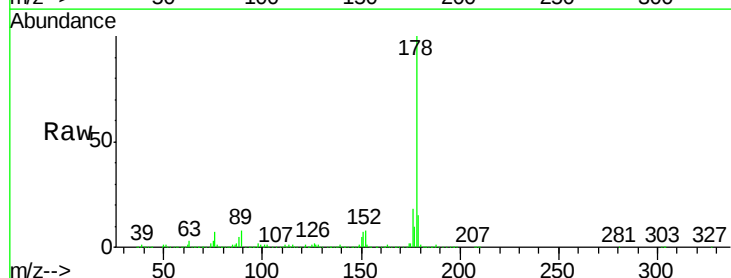
Tgt Ion:178 Resp: 858759

Ion Ratio Lower Upper

178 100

179 15.2 12.5 18.7

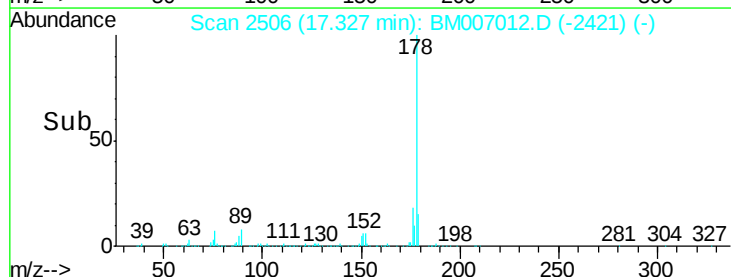
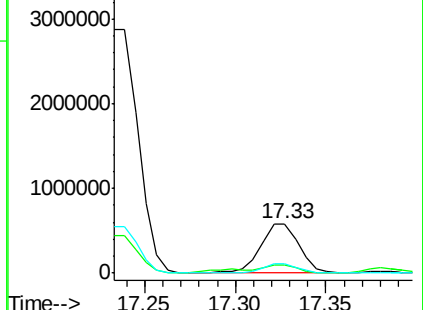
176 18.1 15.0 22.4

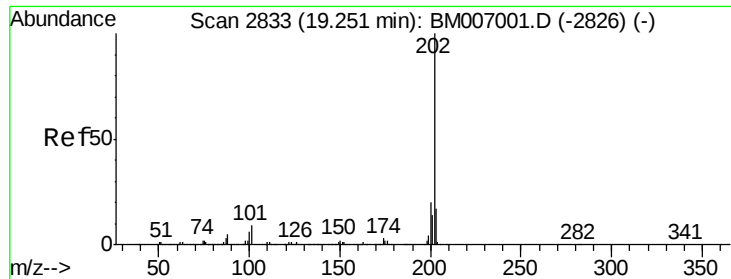


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





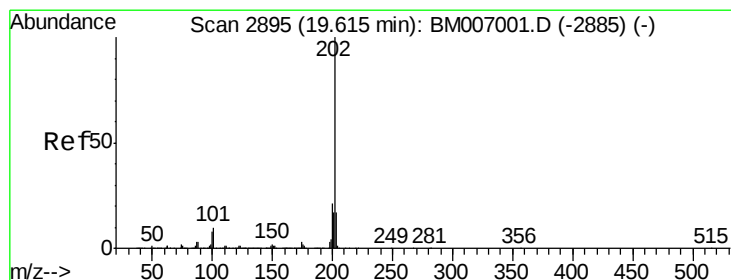
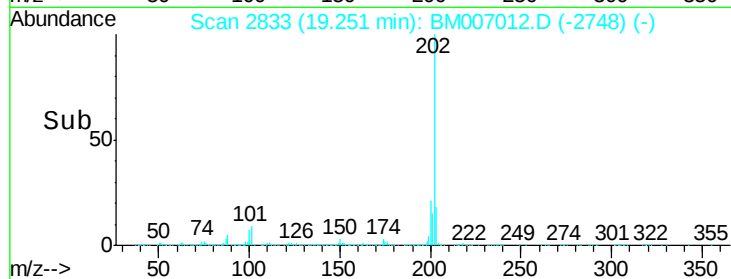
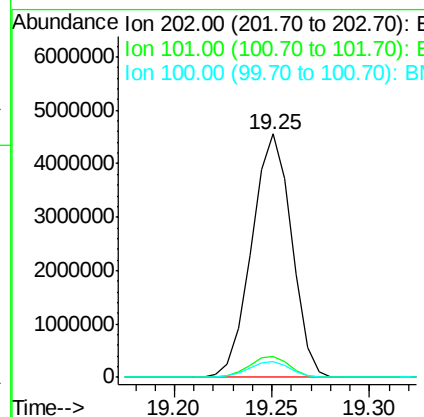
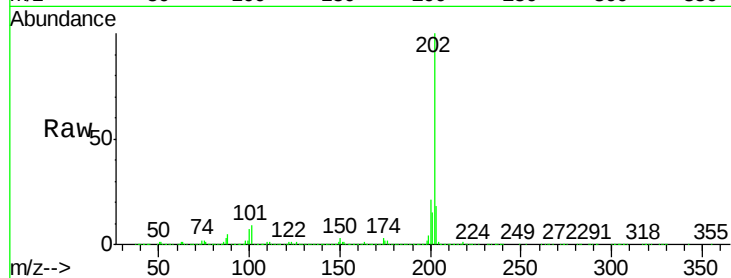
#28
Fluoranthene
 Concen: 42.51 ng/ul
 RT: 19.25 min Scan# 2833
 Delta R.T. 0.00 min
 Lab File: BM007012.D
 Acq: 10 Aug 2016 22:24

Instrument :
 BNA_M
 ClientSampleId :
 DA0J0

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.6	7.4	11.2
100	6.7	5.8	8.6

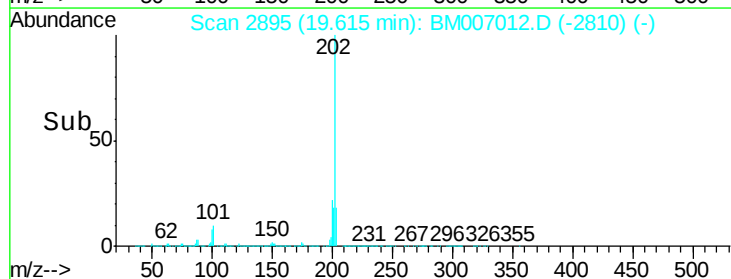
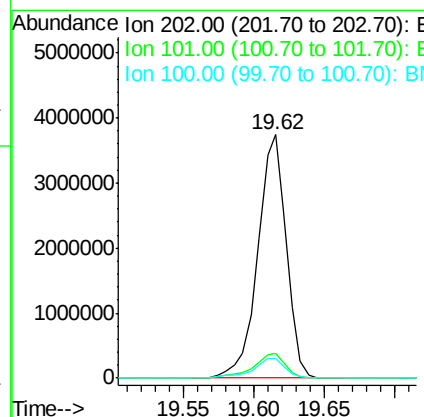
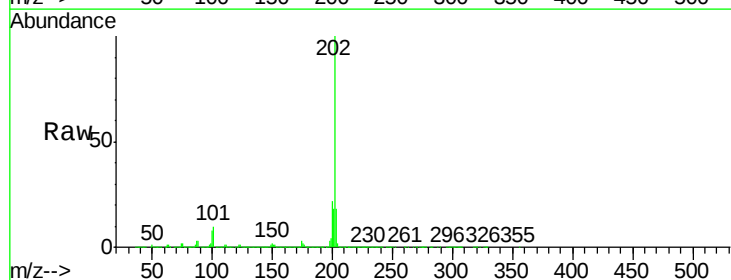
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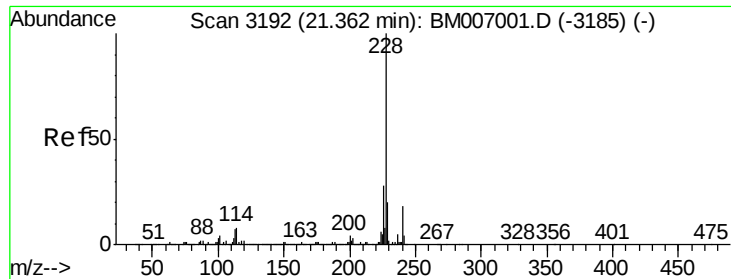
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#31
Pyrene
 Concen: 39.28 ng/ul
 RT: 19.62 min Scan# 2895
 Delta R.T. 0.00 min
 Lab File: BM007012.D
 Acq: 10 Aug 2016 22:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	8.5	12.7
100	8.1	7.1	10.7





#32

Benzo(a)anthracene

Concen: 20.94 ng/ul

RT: 21.36 min Scan# 3191

Delta R.T. -0.01 min

Lab File: BM007012.D

Acq: 10 Aug 2016 22:24

Instrument :

BNA_M

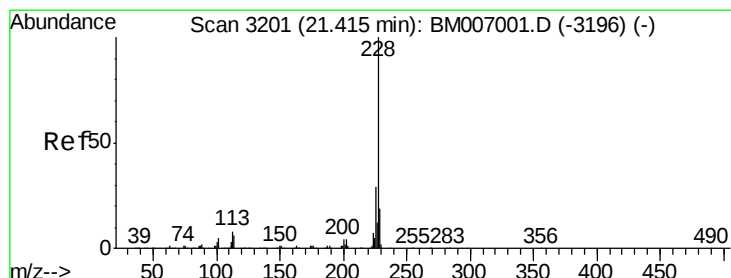
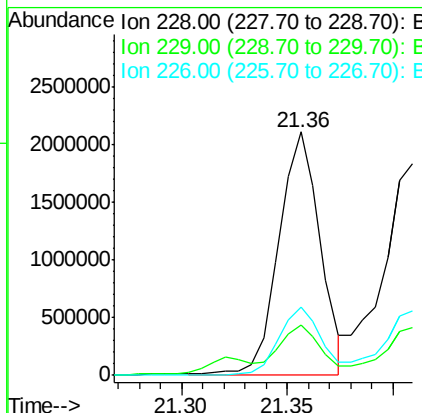
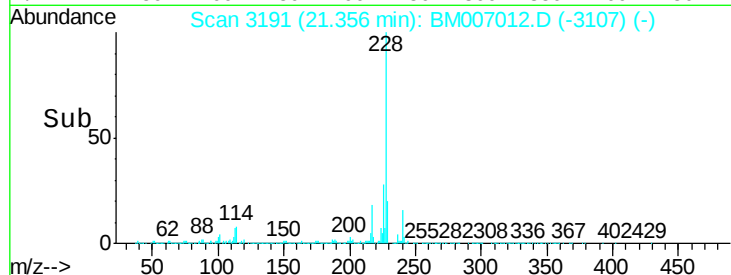
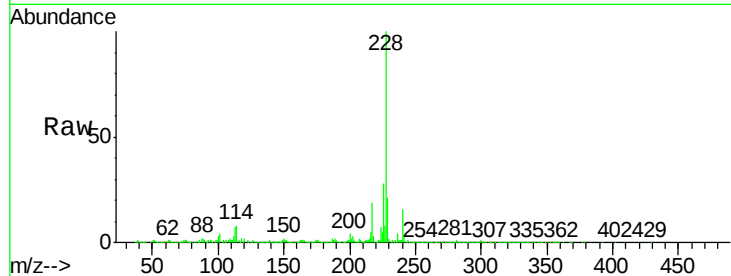
ClientSampled :

DA0J0

Tgt Ion:	228	Resp:	2866942
Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.8	23.6
226	28.2	21.9	32.9

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#33

Chrysene

Concen: 22.11 ng/ul

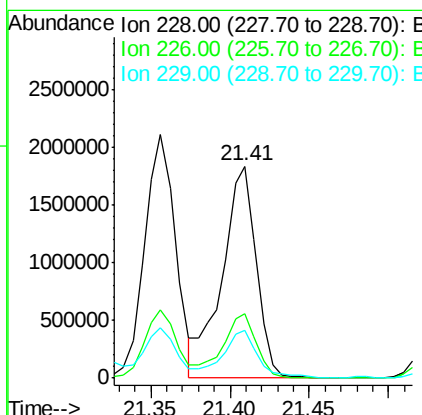
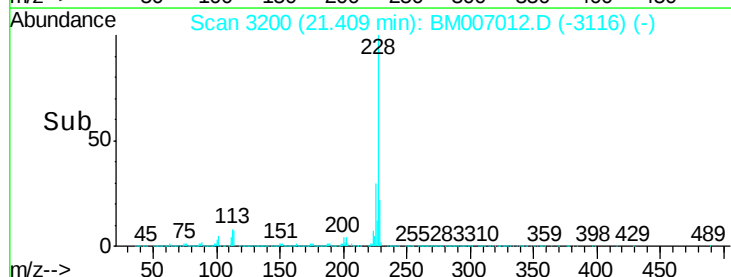
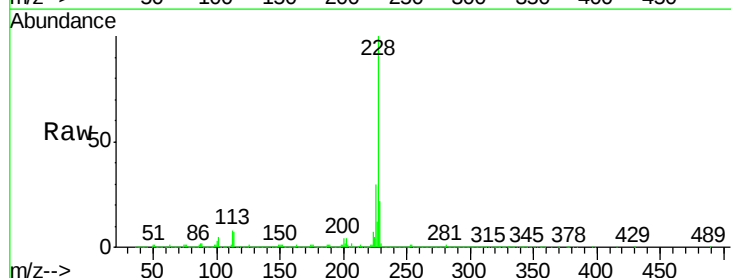
RT: 21.41 min Scan# 3200

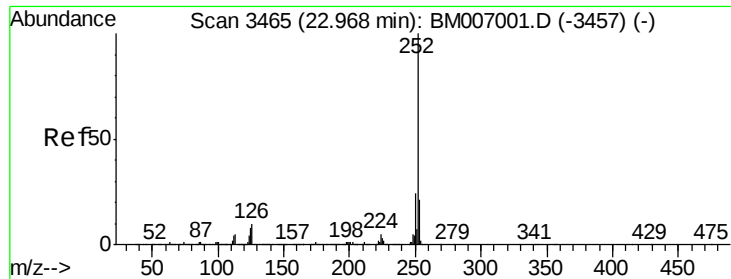
Delta R.T. -0.01 min

Lab File: BM007012.D

Acq: 10 Aug 2016 22:24

Tgt Ion:	228	Resp:	2748504
Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.4
229	22.3	15.9	23.9





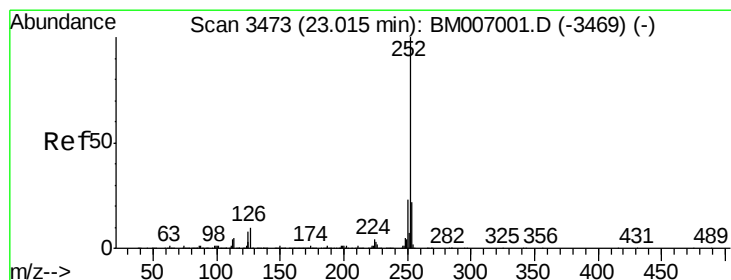
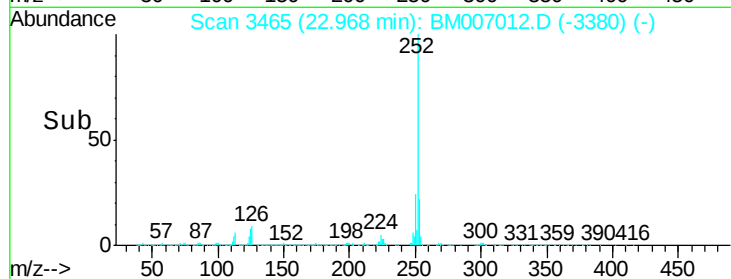
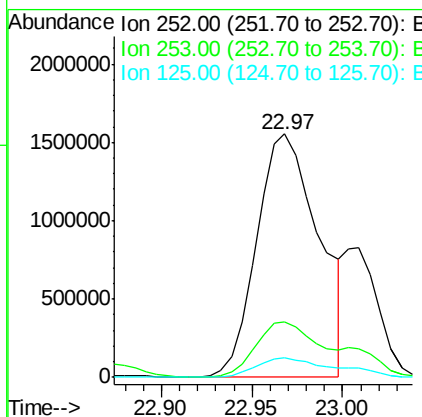
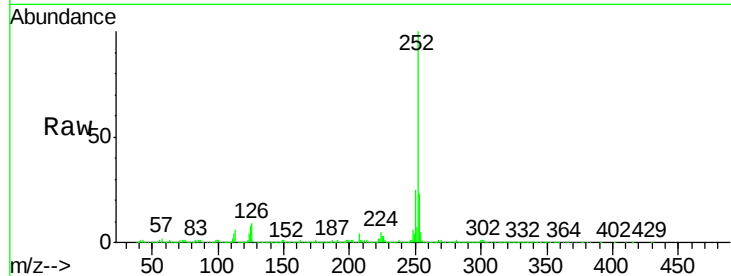
#35
Benzo(b)fluoranthene
Concen: 30.67 ng/ul
RT: 22.97 min Scan# 3465
Delta R.T. 0.00 min
Lab File: BM007012.D
Acq: 10 Aug 2016 22:24

Instrument :
BNA_M
ClientSampleId :
DA0J0

Tgt Ion:252 Resp: 3693396
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 7.9 6.0 9.0

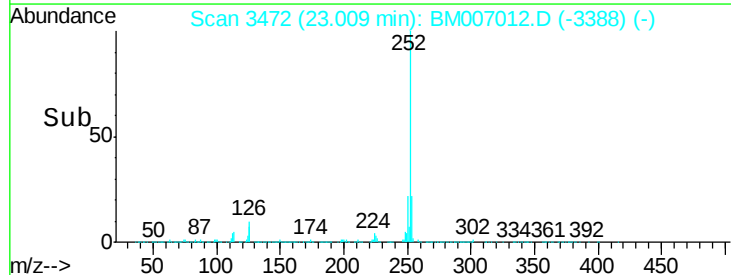
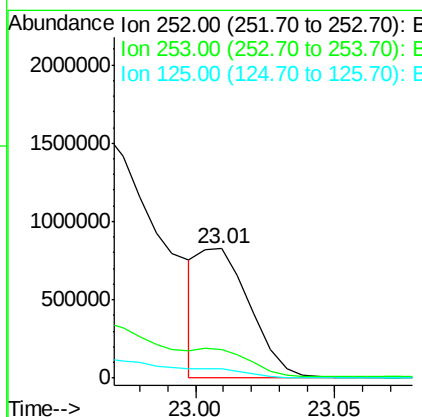
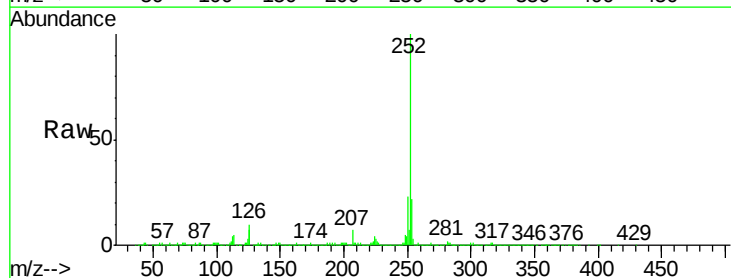
Manual Integrations
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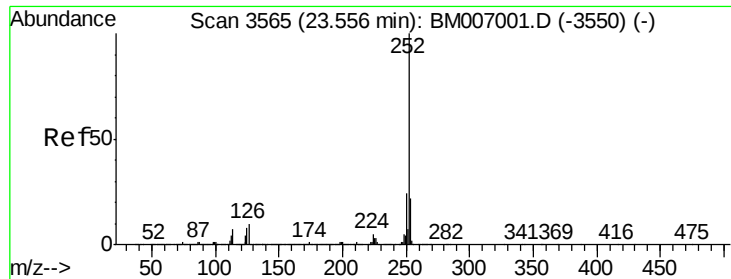
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#36
Benzo(k)fluoranthene
Concen: 9.27 ng/ul m
RT: 23.01 min Scan# 3472
Delta R.T. -0.01 min
Lab File: BM007012.D
Acq: 10 Aug 2016 22:24

Tgt Ion:252 Resp: 1054052
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 7.3 6.2 9.4





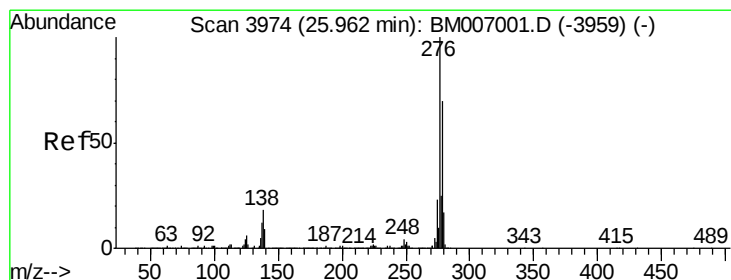
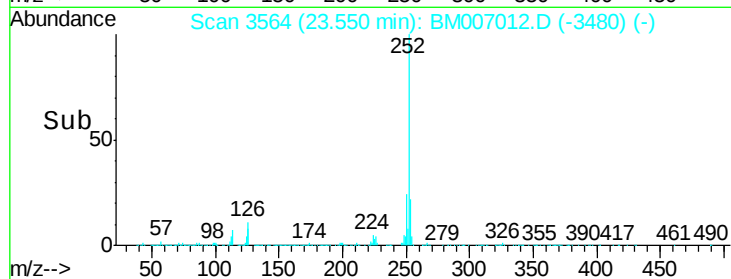
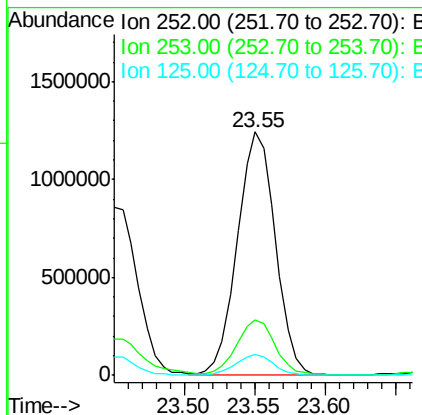
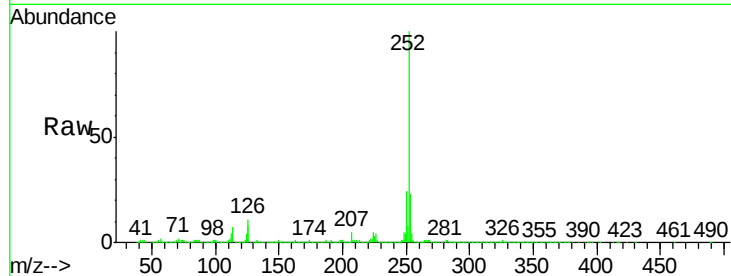
#38
Benzo(a)pyrene
Concen: 20.99 ng/ul
RT: 23.55 min Scan# 3564
Delta R.T. -0.01 min
Lab File: BM007012.D
Acq: 10 Aug 2016 22:24

Instrument :
BNA_M
ClientSampleId :
DA0J0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	8.4	6.8	10.2

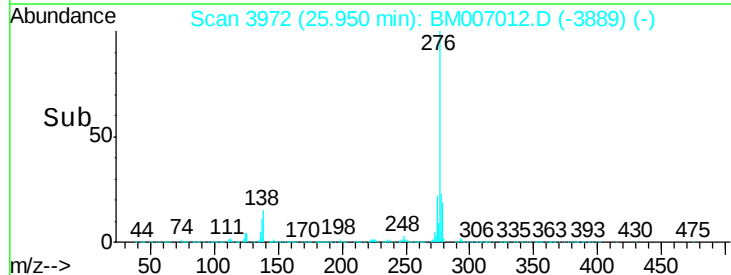
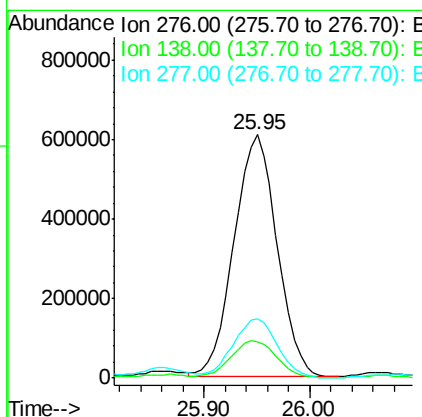
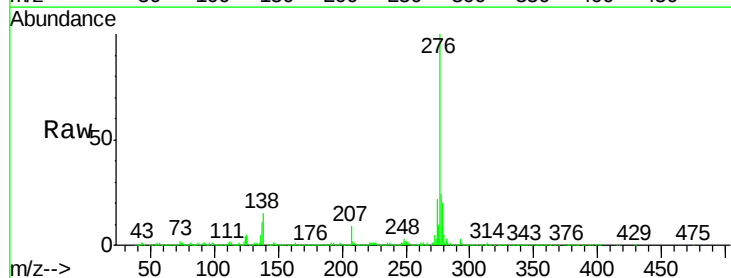
Manual Integrations
APPROVED

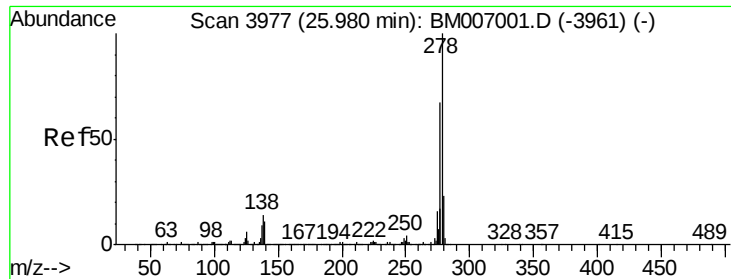
umangi
8/11/2016 6:37:52 AM



#39
Indeno(1,2,3-cd)pyrene
Concen: 15.61 ng/ul
RT: 25.95 min Scan# 3972
Delta R.T. -0.01 min
Lab File: BM007012.D
Acq: 10 Aug 2016 22:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.1	14.9	22.3
277	24.2	19.8	29.6





#40

Dibenzo(a,h)anthracene

Concen: 4.81 ng/ul m

RT: 25.96 min Scan# 3973

Delta R.T. -0.02 min

Lab File: BM007012.D

Acq: 10 Aug 2016 22:24

Instrument :

BNA_M

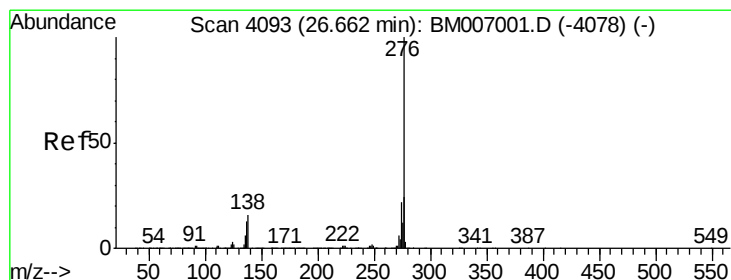
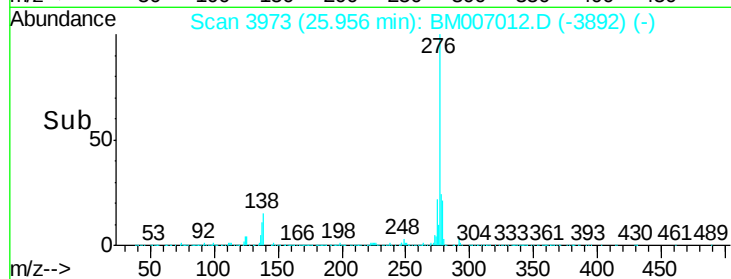
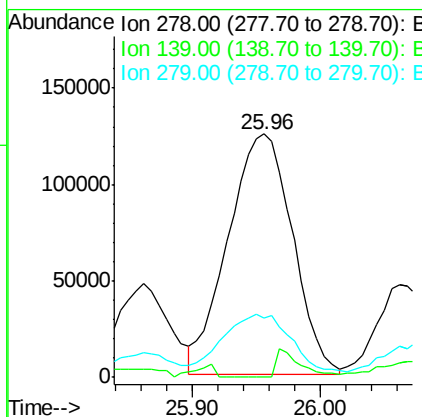
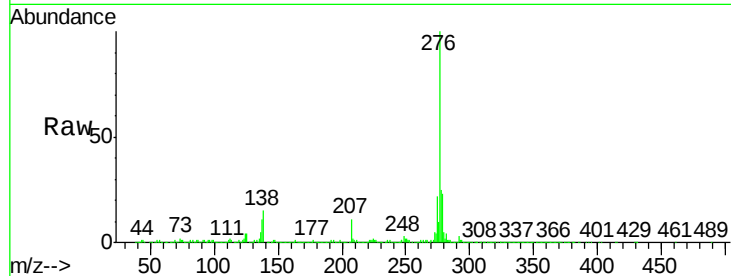
ClientSampleId :

DA0J0

Tgt Ion:	278	Resp:	437394
Ion Ratio	Lower	Upper	
278	100		
139	0.0	10.3	15.5#
279	24.3	18.8	28.2

Manual Integrations
APPROVED

umangi
8/11/2016 6:37:52 AM



#41

Benzo(g,h,i)perylene

Concen: 18.34 ng/ul

RT: 26.66 min Scan# 4092

Delta R.T. -0.01 min

Lab File: BM007012.D

Acq: 10 Aug 2016 22:24

Tgt Ion:	276	Resp:	1656118
Ion Ratio	Lower	Upper	
276	100		
138	16.6	14.0	21.0
277	24.2	19.6	29.4

