

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081016\
 Data File : BM007013.D
 Acq On : 10 Aug 2016 23:00
 Operator : UM/SJ
 Sample : H4303-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA0J1

Manual Integrations
 APPROVED

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 8/11/2016 6:37:54 AM

Quant Time: Aug 11 03:35:42 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	298652	20.00	ng/ul	0.00
7) Naphthalene-d8	10.60	136	1332559	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.45	164	808395	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.19	188	1932698	20.00	ng/ul	0.00
29) Chrysene-d12	21.37	240	2345796	20.00	ng/ul	-0.01
34) Perylene-d12	23.65	264	2082184	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.33	96	11767	1.80	ng/uL	0.00
3) Phenol-d5	6.98	99	498164	18.74	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.15	67	321261	21.63	ng/ul	0.00
5) 2-Chlorophenol-d4	7.35	132	443091	21.97	ng/ul	0.00
6) 4-Methylphenol-d8	8.51	113	299597	13.31	ng/ul	0.00
8) Nitrobenzene-d5	8.97	128	228524	22.45	ng/ul	0.00
9) 2-Nitrophenol-d4	9.69	143	239205	20.52	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.22	165	483692	21.25	ng/ul	0.00
12) 4-Chloroaniline-d4	10.74	131	344776	12.95	ng/ul	0.00
16) Dimethylphthalate-d6	13.86	166	1524067	22.06	ng/ul	0.00
17) Acenaphthylene-d8	14.14	160	1903479	23.53	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	181199	14.61	ng/ul	0.00
21) Fluorene-d10	15.44	176	1351289	23.01	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.55	200	159679	15.24	ng/ul	0.00
26) Anthracene-d10	17.29	188	2075087	23.04	ng/ul	0.00
30) Pyrene-d10	19.58	212	2523223	23.66	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.50	264	2257928	23.59	ng/ul	0.00

Target Compounds

						Qvalue
11) Naphthalene	10.66	128	185396	2.77	ng/ul	96
13) 2-Methylnaphthalene	12.26	142	53273	1.01	ng/ul	100
19) Acenaphthene	14.51	153	155063	2.87	ng/ul	97
22) Fluorene	15.50	166	102936	1.60	ng/ul	97
25) Phenanthrene	17.23	178	1879967	18.16	ng/ul	99
27) Anthracene	17.32	178	359684	3.36	ng/ul	99
28) Fluoranthene	19.25	202	3428615	26.29	ng/ul	97
31) Pyrene	19.61	202	2870420	21.09	ng/ul	99
32) Benzo(a)anthracene	21.36	228	1698176	12.30	ng/ul	98
33) Chrysene	21.41	228	1672789	13.34	ng/ul	98
35) Benzo(b)fluoranthene	22.97	252	2468188	19.08	ng/ul	98
36) Benzo(k)fluoranthene	23.01	252	710733m	5.82	ng/ul	
38) Benzo(a)pyrene	23.55	252	1532605	12.88	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.95	276	1132549	9.60	ng/ul	96
40) Dibenzo(a,h)anthracene	25.96	278	284771m	2.92	ng/ul	
41) Benzo(g,h,i)perylene	26.66	276	1093229	11.27	ng/ul	99

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

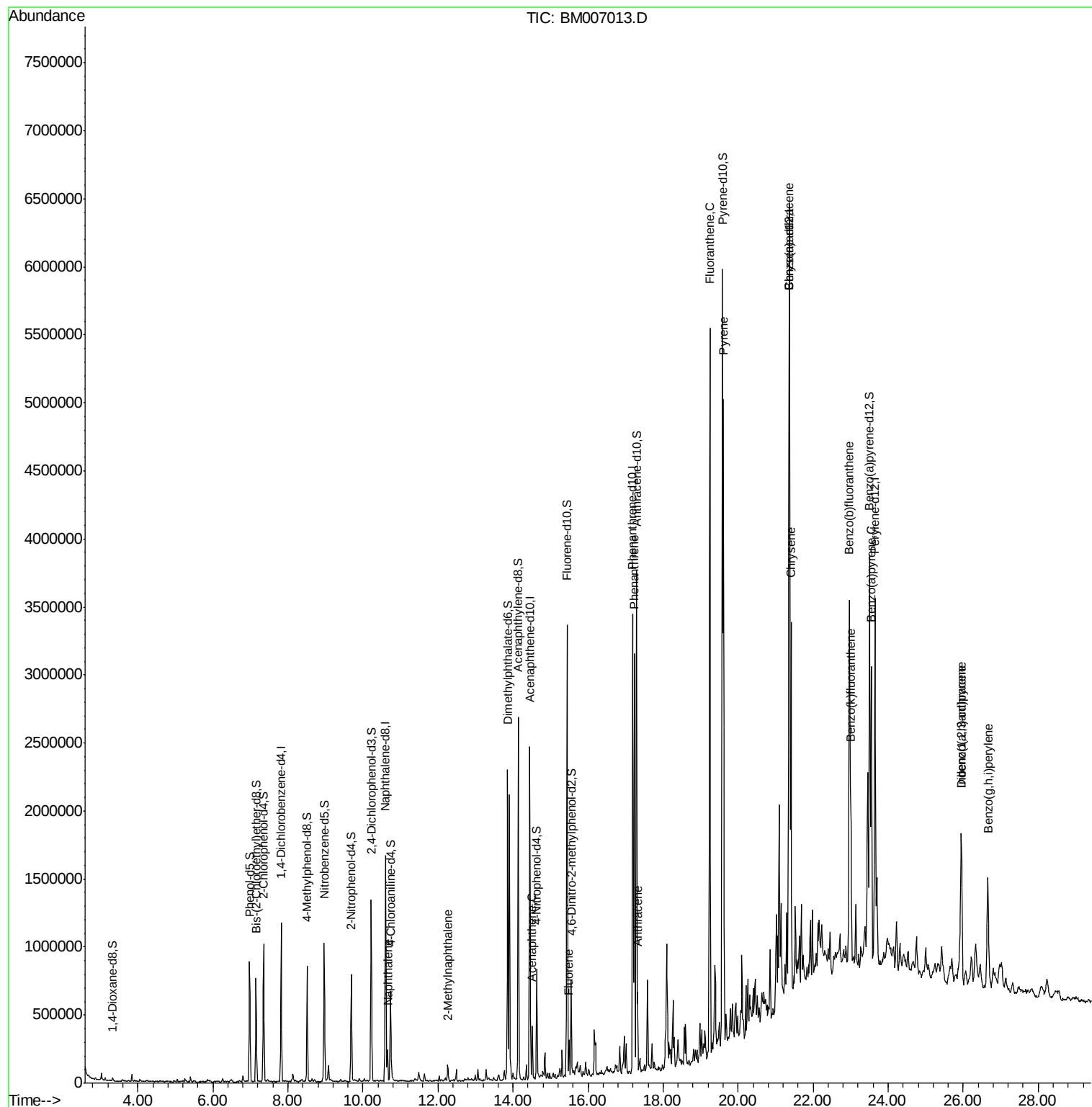
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081016\
Data File : BM007013.D
Acq On : 10 Aug 2016 23:00
Operator : UM/SJ
Sample : H4303-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

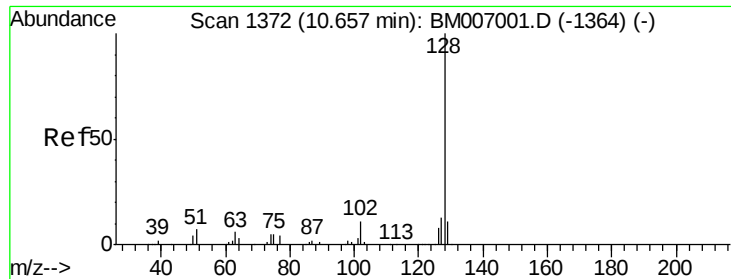
Instrument :
BNA_M
ClientSampleId :
DA0J1

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080916.M
Quant Title : SVOA CALIBRATION
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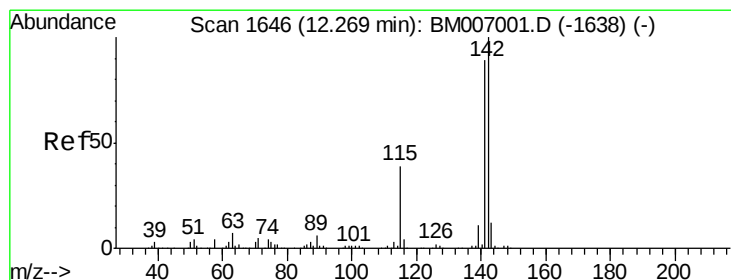
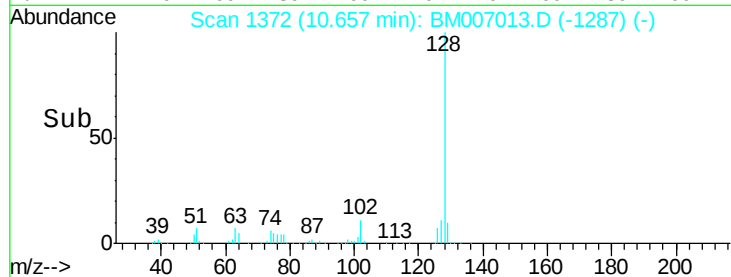
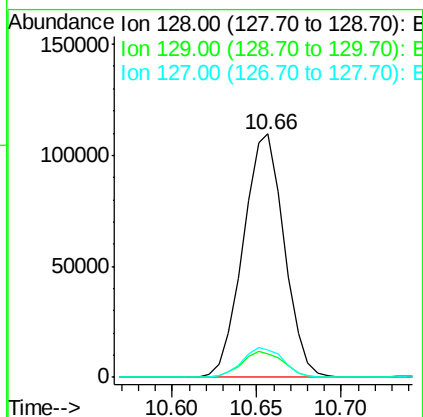
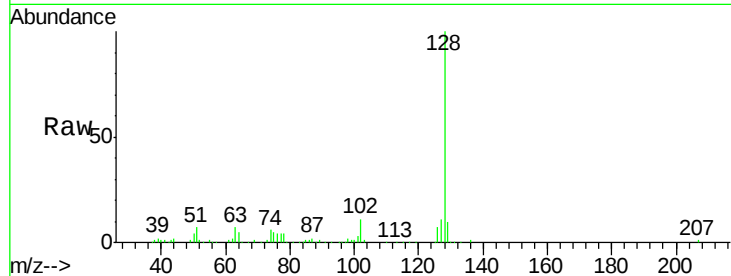
#11
Naphthalene
Concen: 2.77 ng/ul
RT: 10.66 min Scan# 1372
Delta R.T. 0.00 min
Lab File: BM007013.D
Acq: 10 Aug 2016 23:00

Instrument :
BNA_M
ClientSampleId :
DA0J1

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	185396		
129	9.7	8.9	13.3	
127	11.3	10.4	15.6	

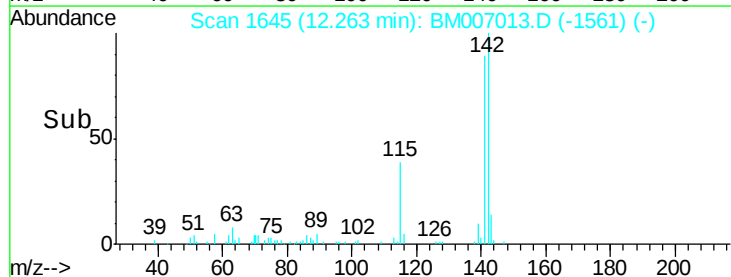
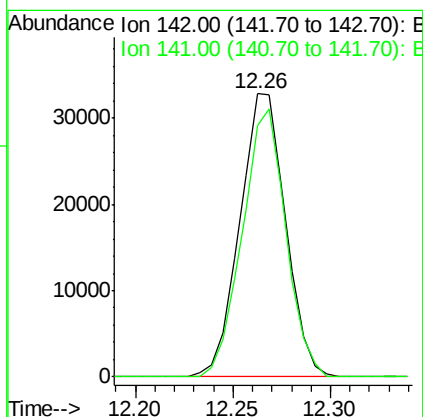
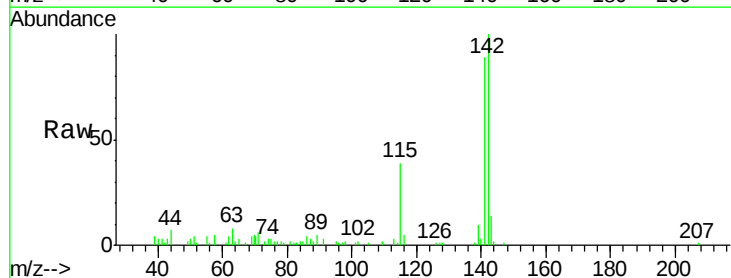
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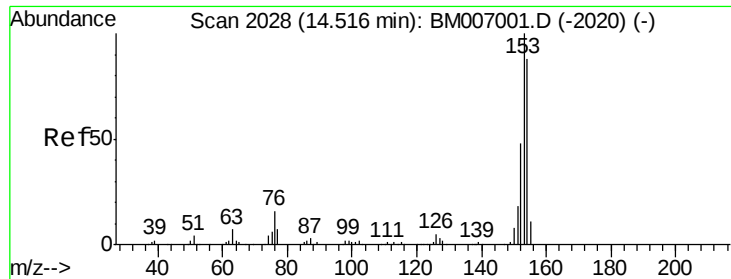
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#13
2-Methylnaphthalene
Concen: 1.01 ng/ul
RT: 12.26 min Scan# 1645
Delta R.T. -0.01 min
Lab File: BM007013.D
Acq: 10 Aug 2016 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	53273		
141	88.8	71.0	106.6	





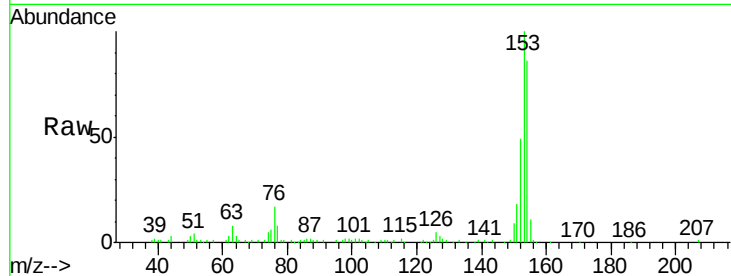
#19
Acenaphthene
Concen: 2.87 ng/ul
RT: 14.51 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BM007013.D
Acq: 10 Aug 2016 23:00

Instrument :
BNA_M
ClientSampleId :
DA0J1

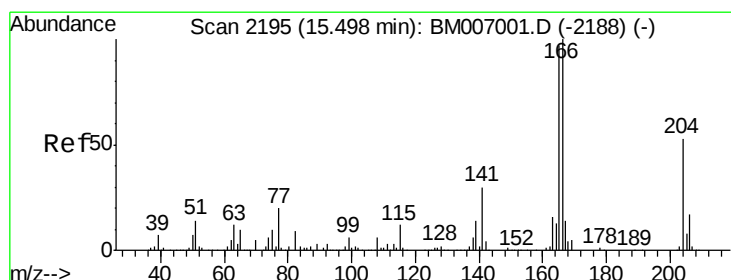
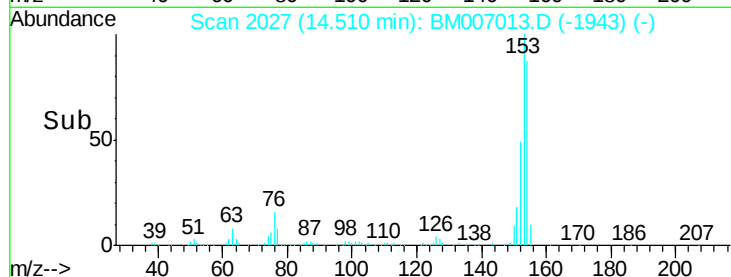
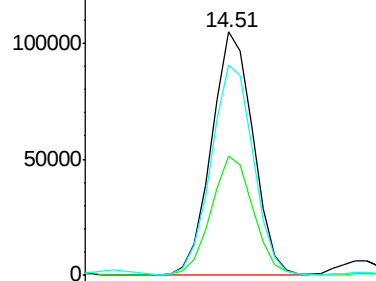
Tgt Ion	Ratio	Lower	Upper
153	100		
152	49.2	37.0	55.6
154	86.4	70.9	106.3

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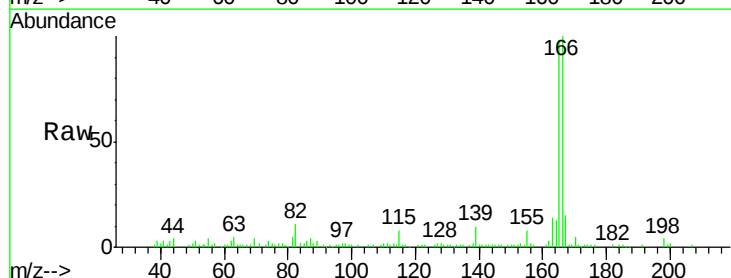


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E

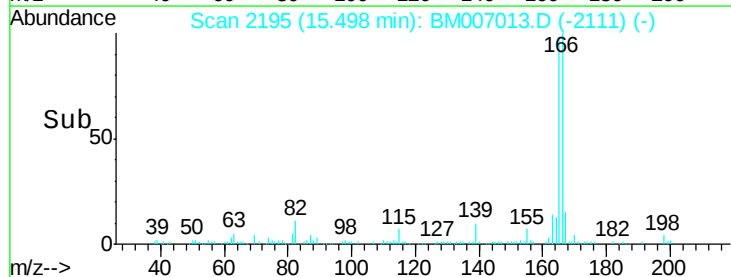
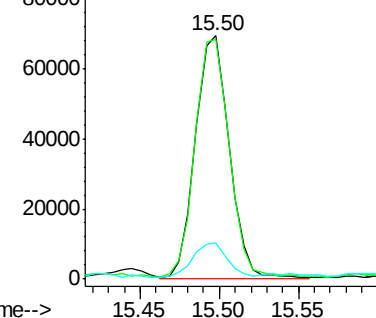


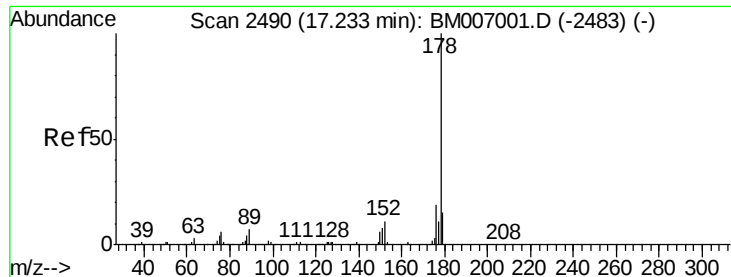
#22
Fluorene
Concen: 1.60 ng/ul
RT: 15.50 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BM007013.D
Acq: 10 Aug 2016 23:00

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.4	76.6	115.0
167	14.9	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: 18.16 ng/ul

RT: 17.23 min Scan# 2490

Delta R.T. -0.01 min

Lab File: BM007013.D

Acq: 10 Aug 2016 23:00

Instrument :

BNA_M

ClientSampleId :

DA0J1

Tgt Ion:178 Resp: 1879967

Ion Ratio Lower Upper

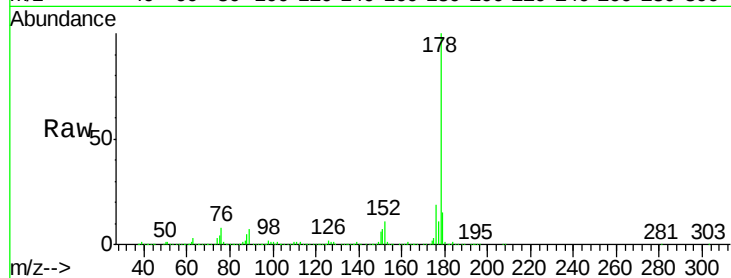
178 100

179 15.4 12.2 18.2

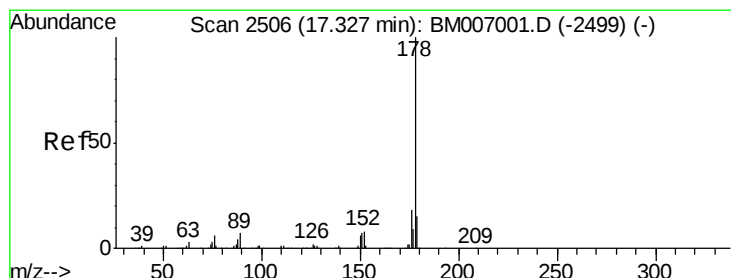
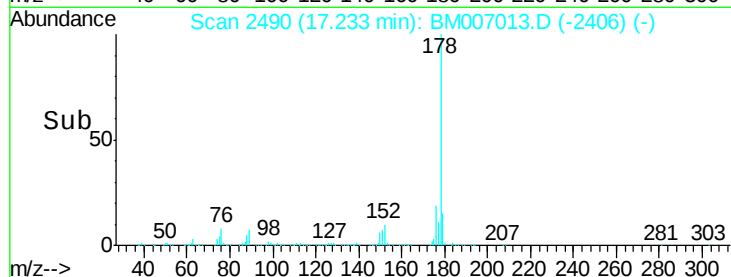
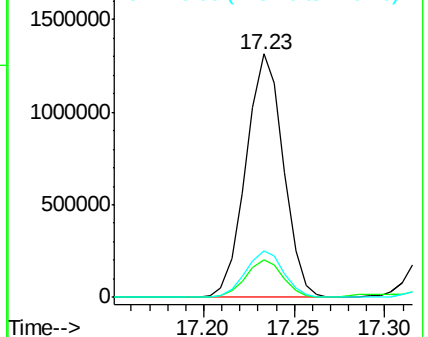
176 19.3 15.2 22.8

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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: 3.36 ng/ul

RT: 17.32 min Scan# 2505

Delta R.T. -0.01 min

Lab File: BM007013.D

Acq: 10 Aug 2016 23:00

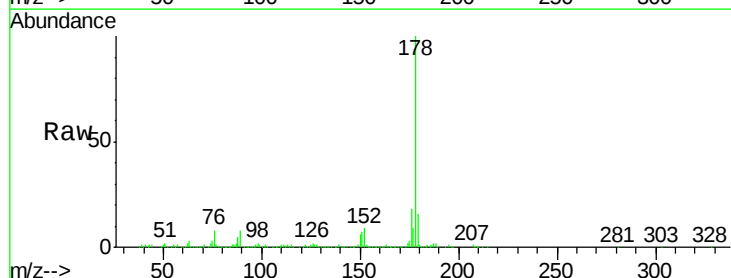
Tgt Ion:178 Resp: 359684

Ion Ratio Lower Upper

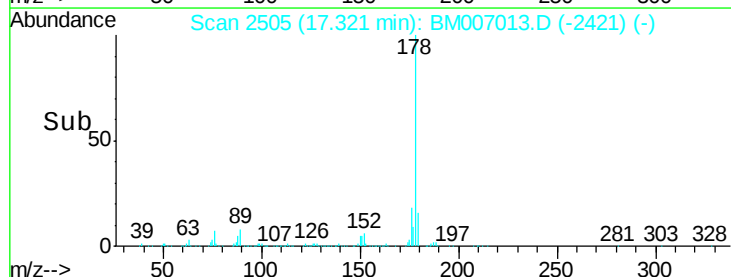
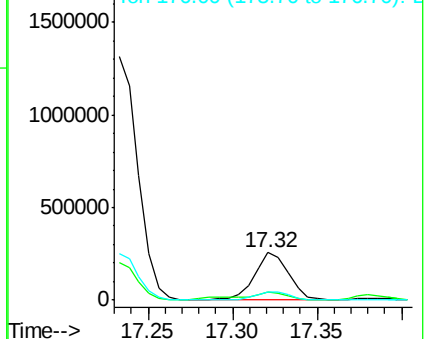
178 100

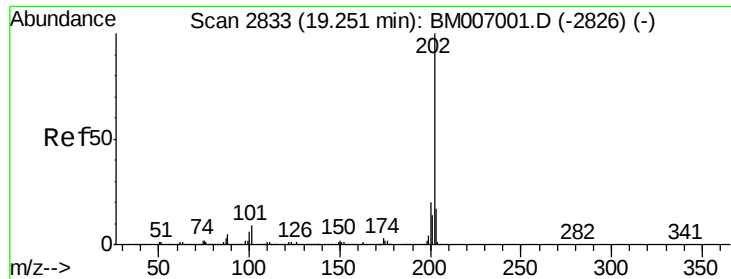
179 15.8 12.5 18.7

176 18.2 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: 26.29 ng/ul

RT: 19.25 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BM007013.D

Acq: 10 Aug 2016 23:00

Instrument :

BNA_M

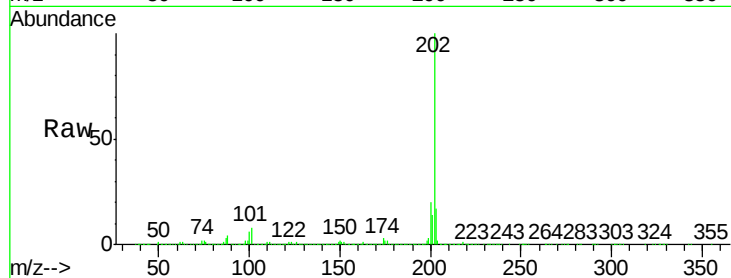
ClientSampleId :

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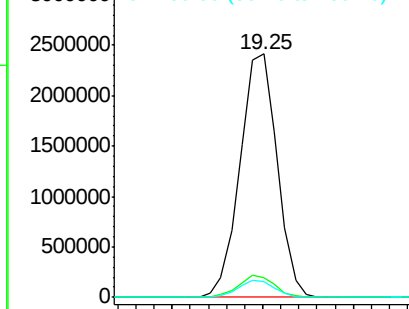
Tgt Ion:	202	Resp:	3428615
Ion Ratio	Lower	Upper	
202	100		
101	8.2	7.4	11.2
100	6.4	5.8	8.6

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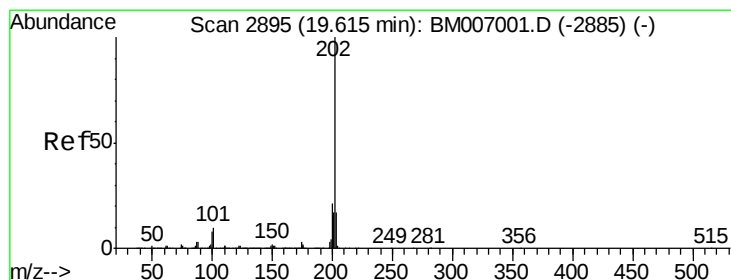
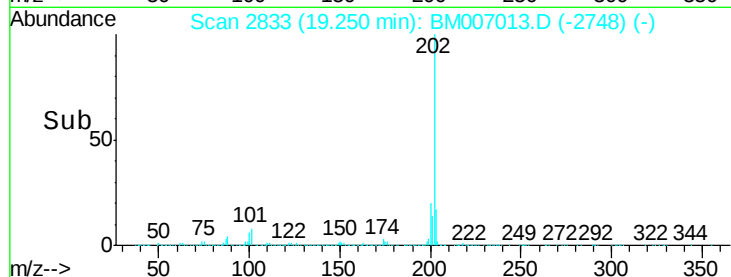
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time--> 19.20 19.25 19.30



#31

Pyrene

Concen: 21.09 ng/ul

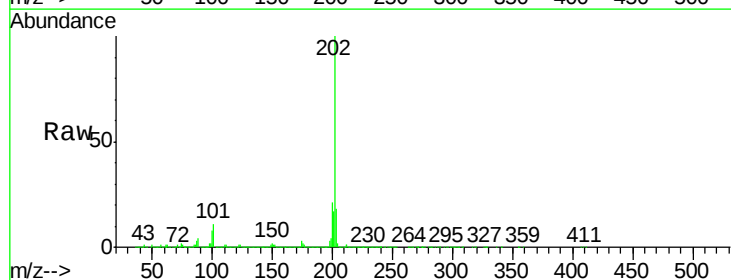
RT: 19.61 min Scan# 2894

Delta R.T. -0.01 min

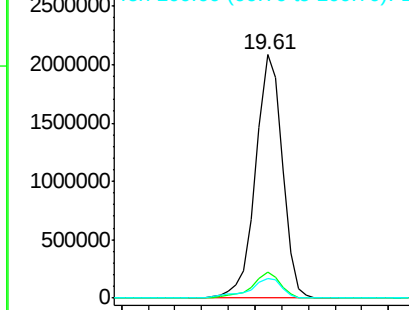
Lab File: BM007013.D

Acq: 10 Aug 2016 23:00

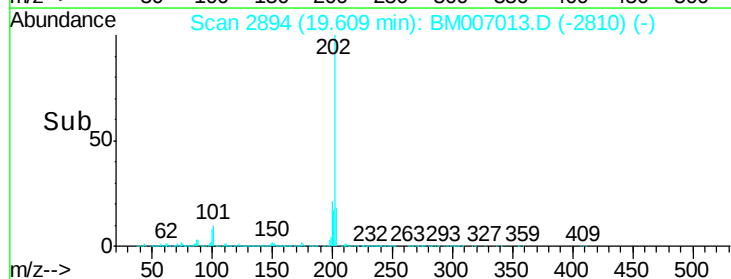
Tgt Ion:	202	Resp:	2870420
Ion Ratio	Lower	Upper	
202	100		
101	10.6	8.5	12.7
100	8.2	7.1	10.7

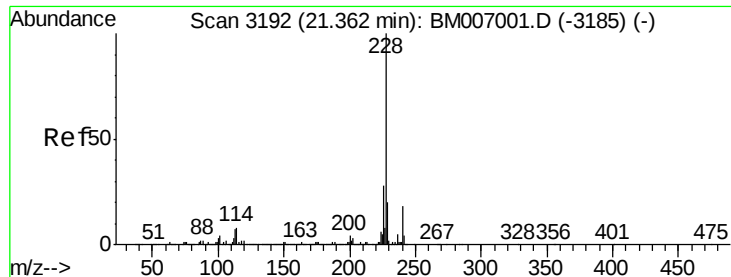


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time--> 19.50 19.60





#32

Benzo(a)anthracene

Concen: 12.30 ng/ul

RT: 21.36 min Scan# 3191

Delta R.T. -0.01 min

Lab File: BM007013.D

Acq: 10 Aug 2016 23:00

Instrument :

BNA_M

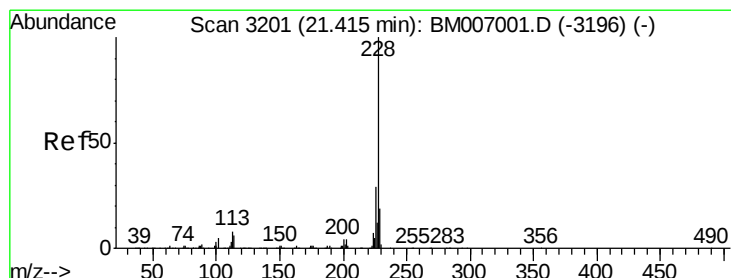
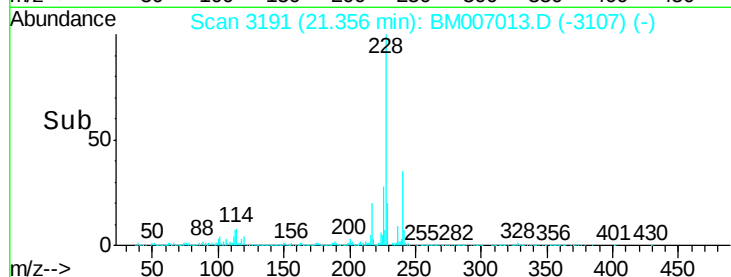
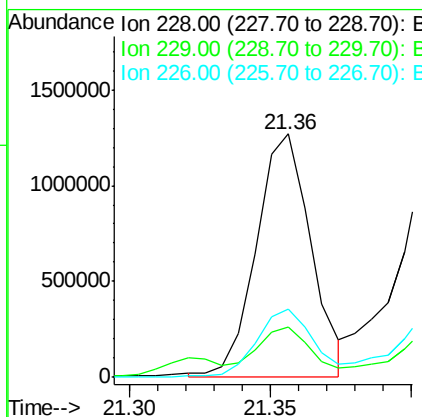
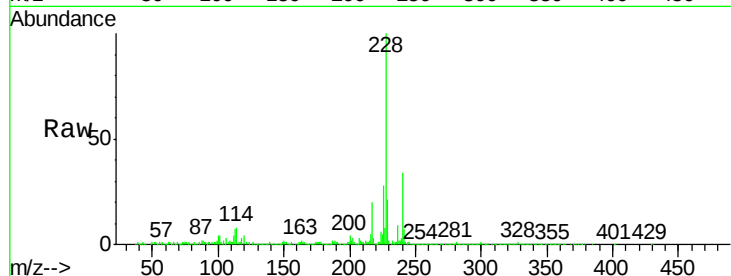
ClientSampleId :

DA0J1

Tgt Ion:	228	Resp:	1698176
Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.8	23.6
226	28.2	21.9	32.9

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#33

Chrysene

Concen: 13.34 ng/ul

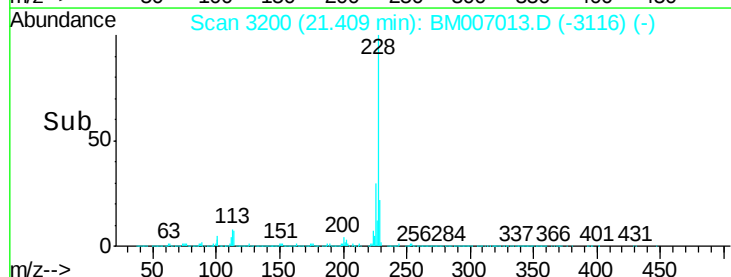
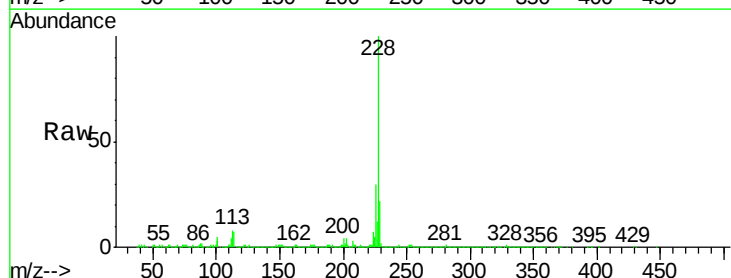
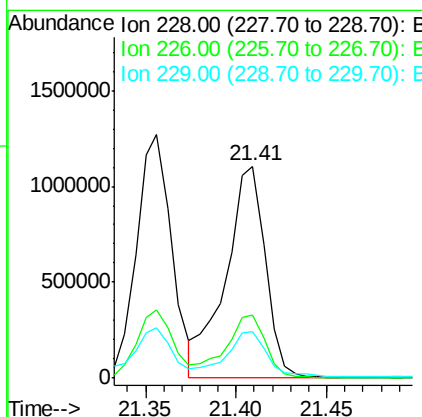
RT: 21.41 min Scan# 3200

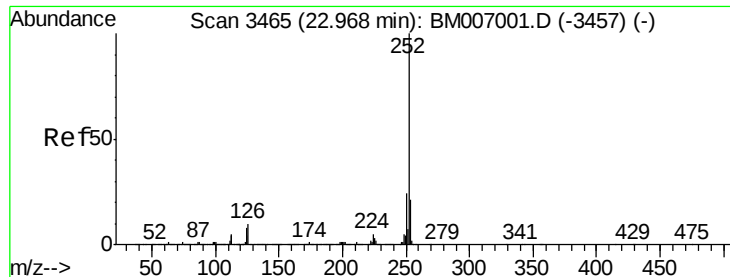
Delta R.T. -0.01 min

Lab File: BM007013.D

Acq: 10 Aug 2016 23:00

Tgt Ion:	228	Resp:	1672789
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.4
229	22.0	15.9	23.9





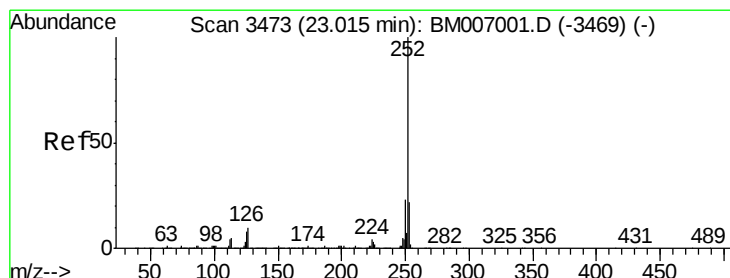
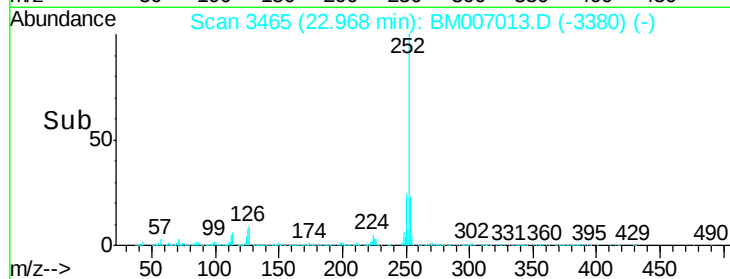
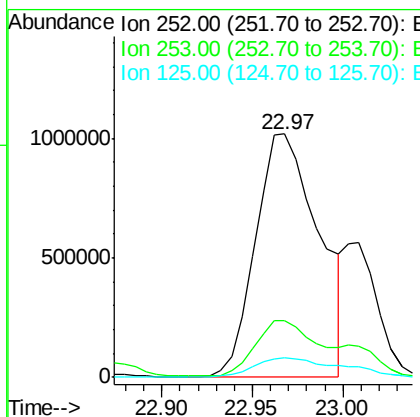
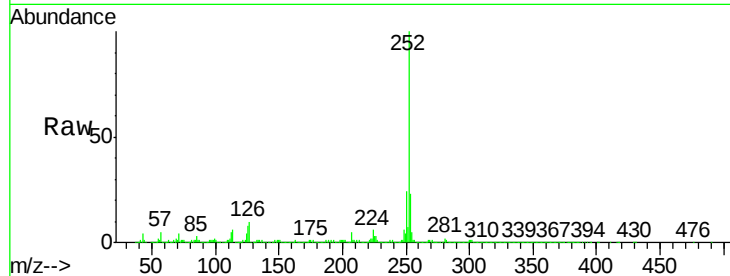
#35
Benzo(b)fluoranthene
Concen: 19.08 ng/ul
RT: 22.97 min Scan# 3465
Delta R.T. 0.00 min
Lab File: BM007013.D
Acq: 10 Aug 2016 23:00

Instrument :
BNA_M
ClientSampled :
DA0J1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	8.0	6.0	9.0

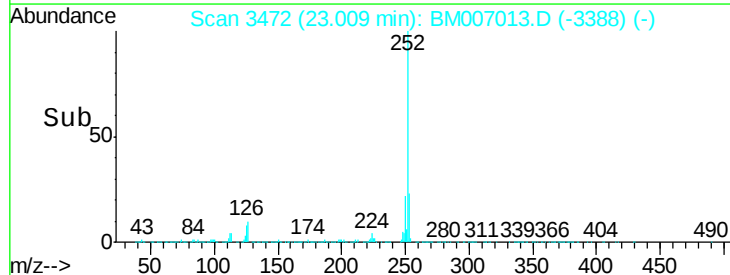
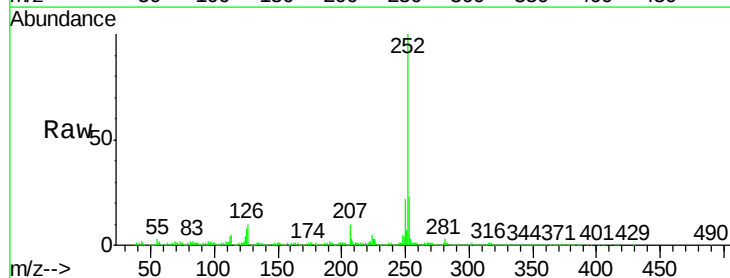
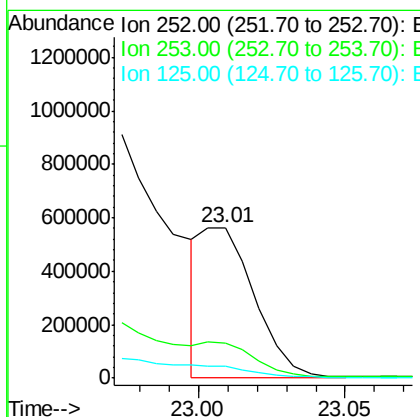
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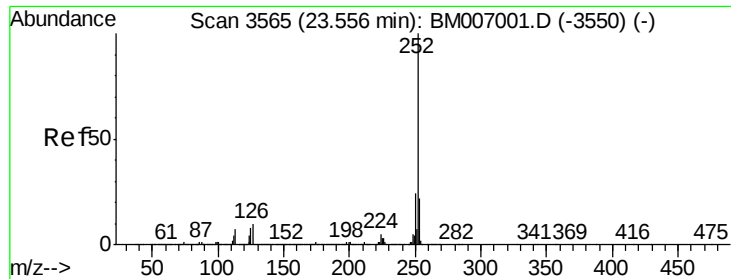
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#36
Benzo(k)fluoranthene
Concen: 5.82 ng/ul m
RT: 23.01 min Scan# 3472
Delta R.T. -0.01 min
Lab File: BM007013.D
Acq: 10 Aug 2016 23:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	8.1	6.2	9.4





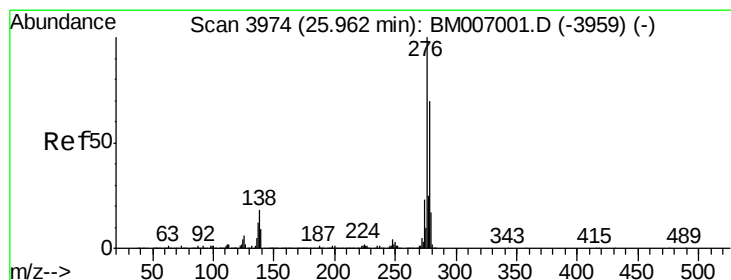
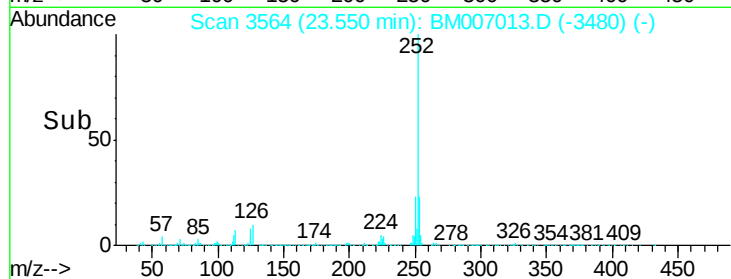
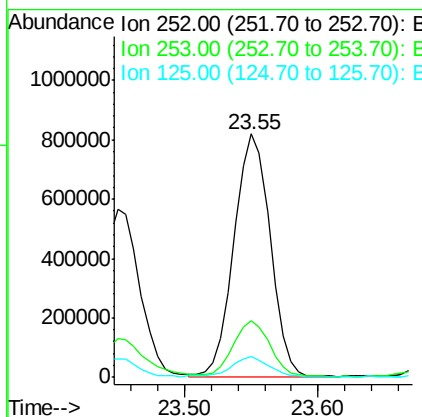
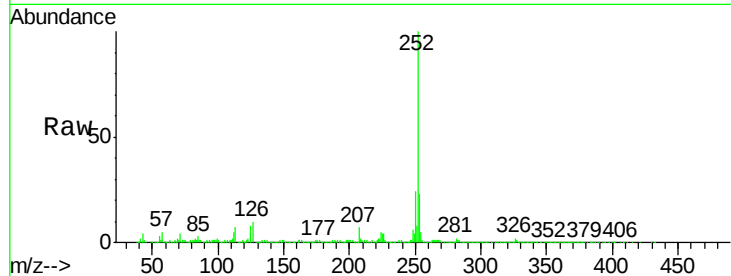
#38
Benzo(a)pyrene
Concen: 12.88 ng/ul
RT: 23.55 min Scan# 3564
Delta R.T. -0.01 min
Lab File: BM007013.D
Acq: 10 Aug 2016 23:00

Instrument :
BNA_M
ClientSampleId :
DA0J1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.7	26.5
125	8.4	6.8	10.2

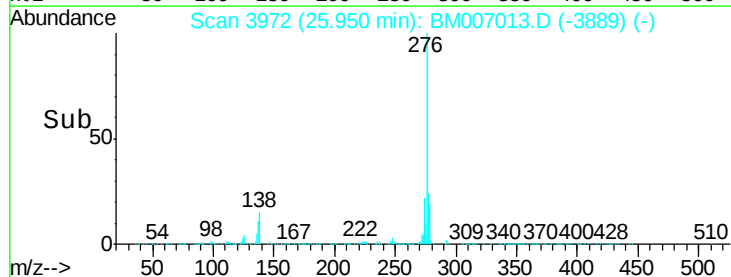
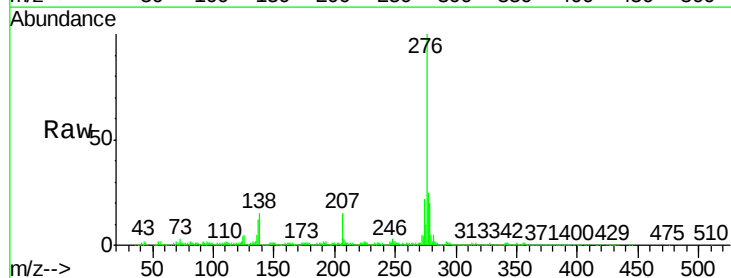
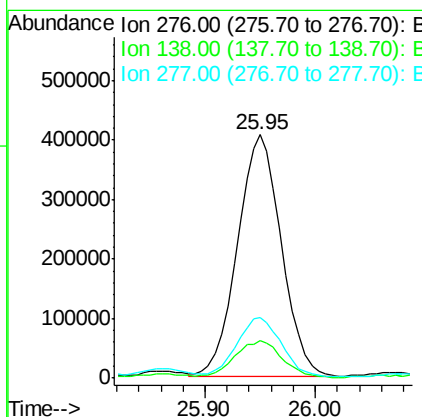
Manual Integrations
APPROVED

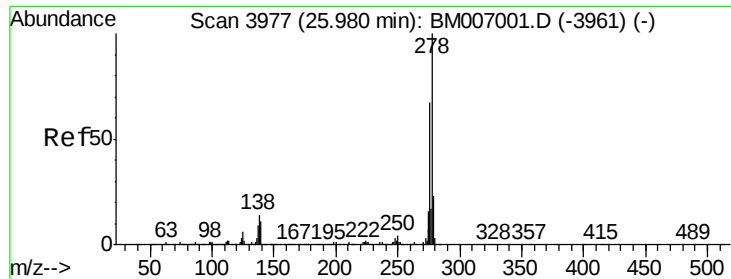
umangi
8/11/2016 6:37:54 AM



#39
Indeno(1,2,3-cd)pyrene
Concen: 9.60 ng/ul
RT: 25.95 min Scan# 3972
Delta R.T. -0.01 min
Lab File: BM007013.D
Acq: 10 Aug 2016 23:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.4	14.9	22.3
277	25.1	19.8	29.6





#40

Dibenzo(a,h)anthracene

Concen: 2.92 ng/ul m

RT: 25.96 min Scan# 3973

Delta R.T. -0.02 min

Lab File: BM007013.D

Acq: 10 Aug 2016 23:00

Instrument :

BNA_M

ClientSampleId :

DA0J1

Tgt Ion: 278 Resp: 284771
Ion Ratio Lower Upper

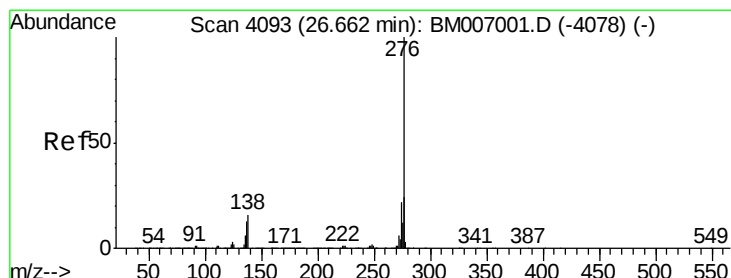
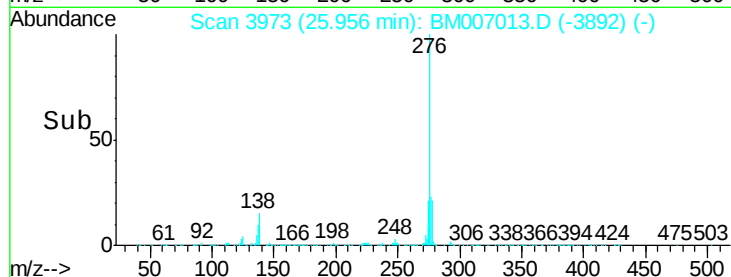
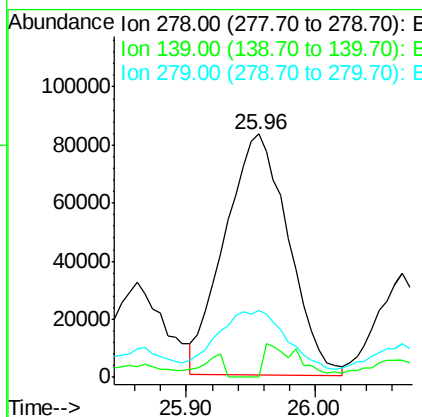
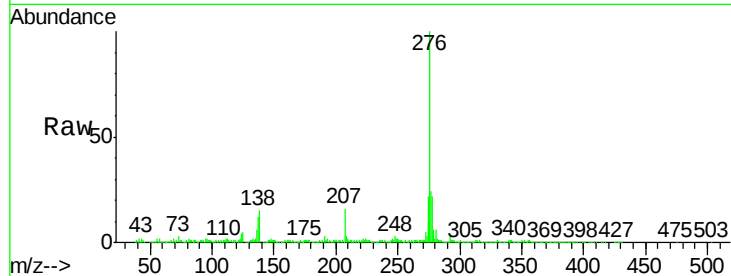
278 100

139 0.0 10.3 15.5#

279 27.7 18.8 28.2

Manual Integrations
APPROVED

umangi
8/11/2016 6:37:54 AM



#41

Benzo(g,h,i)perylene

Concen: 11.27 ng/ul

RT: 26.66 min Scan# 4092

Delta R.T. -0.01 min

Lab File: BM007013.D

Acq: 10 Aug 2016 23:00

Tgt Ion: 276 Resp: 1093229
Ion Ratio Lower Upper

276 100

138 16.9 14.0 21.0

277 23.9 19.6 29.4

