

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
 Data File : BM003097.D
 Acq On : 11 Nov 2015 22:24
 Operator : UM/IZ
 Sample : G4322-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HS2

Manual Integrations
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 11/13/2015 6:31:22 PM

Quant Time: Nov 13 12:29:41 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 13 11:02:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	139465	20.00	ng/ul	0.00
18) Naphthalene-d8	10.55	136	679148	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.40	164	392667	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.14	188	790690	20.00	ng/ul	0.00
78) Chrysene-d12	21.33	240	595038	20.00	ng/ul	0.00
86) Perylene-d12	23.60	264	602456	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	6764	2.29	ng/uL	0.00
5) Phenol-d5	6.91	99	163243	14.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.09	67	99037	15.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.28	132	143272	15.33	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	142212	16.00	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	72948	17.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.63	143	70459	16.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.16	165	138385	14.70	ng/ul	0.00
29) 4-Chloroaniline-d4	10.67	131	173747	14.27	ng/ul	0.00
44) Dimethylphthalate-d6	13.80	166	470861	15.94	ng/ul	0.00
47) Acenaphthylene-d8	14.09	160	515039	13.76	ng/ul	0.00
52) 4-Nitrophenol-d4	14.58	143	33545	6.74	ng/ul	0.00
58) Fluorene-d10	15.39	176	334456	13.09	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.50	200	22040	6.02	ng/ul	0.00
71) Anthracene-d10	17.24	188	444017	12.67	ng/ul	0.00
79) Pyrene-d10	19.54	212	351446	12.00	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.45	264	263955	9.22	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	6.94	94	14334	1.26	ng/ul#	86
28) Naphthalene	10.59	128	54233	1.59	ng/ul	99
45) Dimethylphthalate	13.85	163	263846	8.77	ng/ul	100
70) Phenanthrene	17.19	178	392589	8.77	ng/ul	99
72) Anthracene	17.27	178	95192	2.18	ng/ul	99
77) Fluoranthene	19.20	202	502429	11.10	ng/ul	95
80) Pyrene	19.57	202	482862	12.40	ng/ul#	92
83) Benzo(a)anthracene	21.32	228	239579	7.33	ng/ul	96
85) Chrysene	21.37	228	232021	7.18	ng/ul	96
88) Benzo(b)fluoranthene	22.91	252	253670	7.31	ng/ul	96
89) Benzo(k)fluoranthene	22.96	252	98814m	3.05	ng/ul	
91) Benzo(a)pyrene	23.50	252	216320	6.58	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.88	276	130087	3.60	ng/ul#	90
93) Dibenzo(a,h)anthracene	25.89	278	35174	1.24	ng/ul#	64
94) Benzo(g,h,i)perylene	26.60	276	130411	4.01	ng/ul	95

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

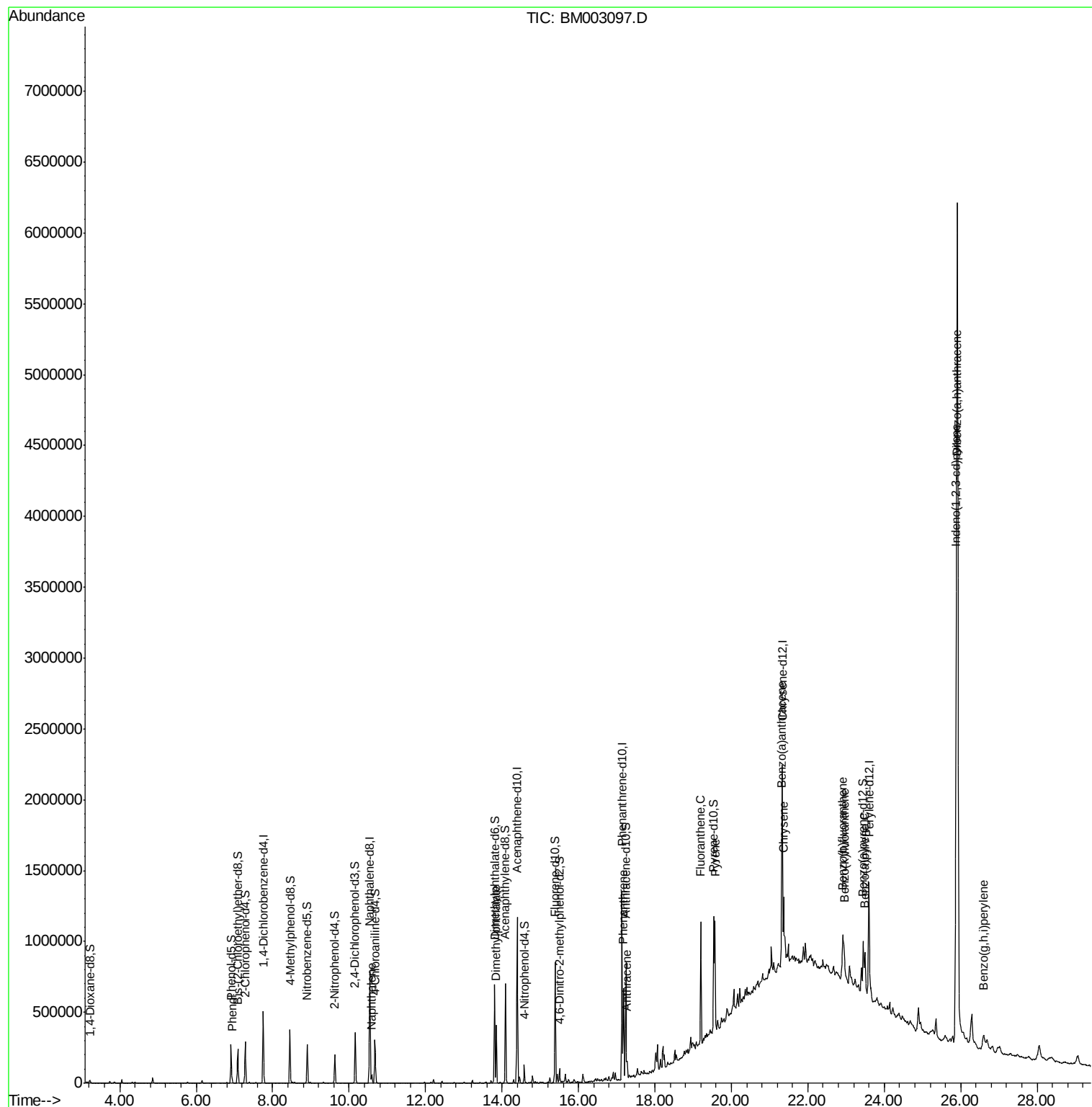
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003097.D
Acq On : 11 Nov 2015 22:24
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Misc :
ALS Vial : 14 Sample Multiplier: 1

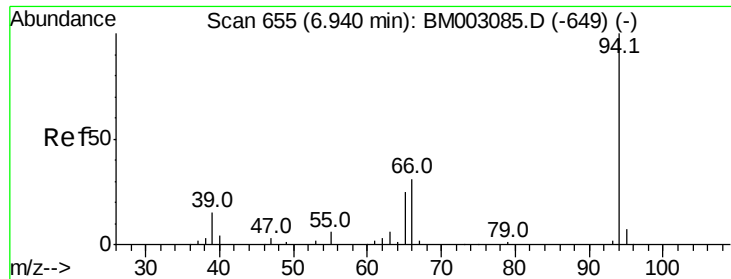
Instrument :
BNA_M
ClientSampleId :
A4HS2

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Quant Time: Nov 13 12:29:41 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 13 11:02:42 2015
Response via : Initial Calibration





#6

Phenol

Concen: 1.26 ng/ul

RT: 6.94 min Scan# 655

Delta R.T. -0.00 min

Lab File: BM003097.D

Acq: 11 Nov 2015 22:24

Instrument :

BNA_M

ClientSampleId :

A4HS2

Tot Ion: 94 Resp: 14334

Ion Ratio Lower Upper

94 100

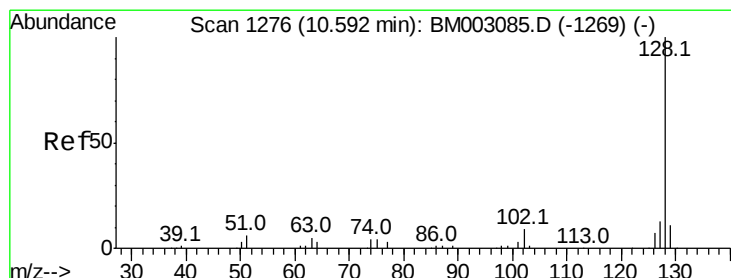
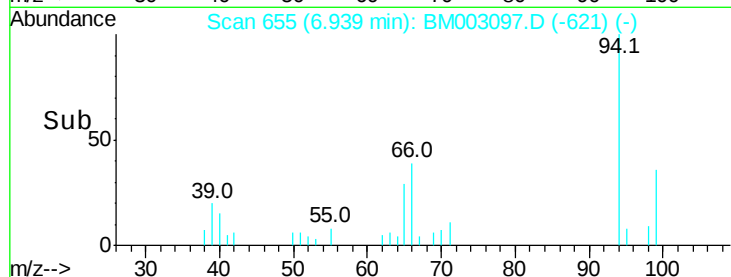
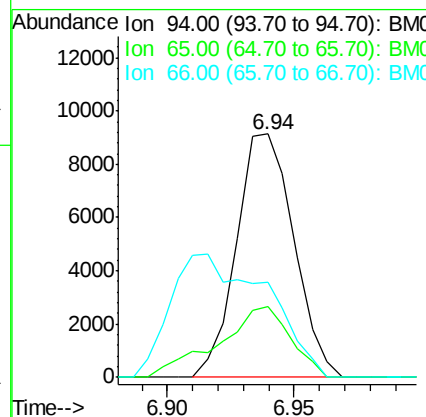
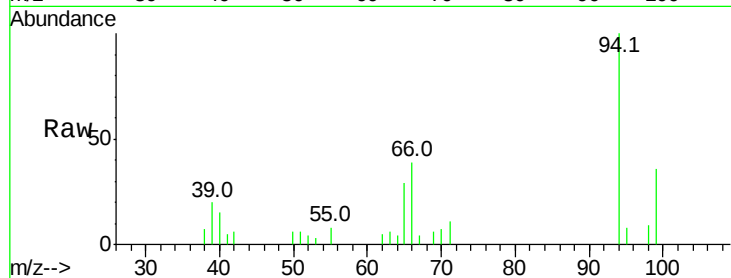
65 29.1 18.7 28.1#

66 39.2 24.2 36.2#

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#28

Naphthalene

Concen: 1.59 ng/ul

RT: 10.59 min Scan# 1276

Delta R.T. -0.00 min

Lab File: BM003097.D

Acq: 11 Nov 2015 22:24

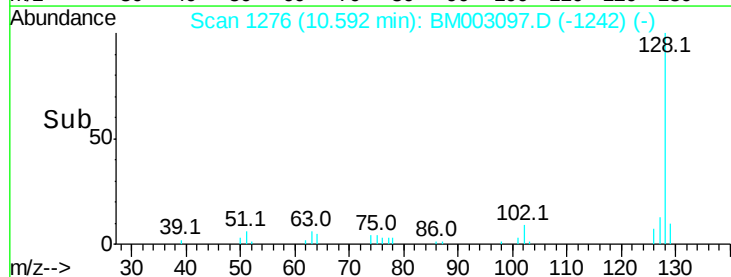
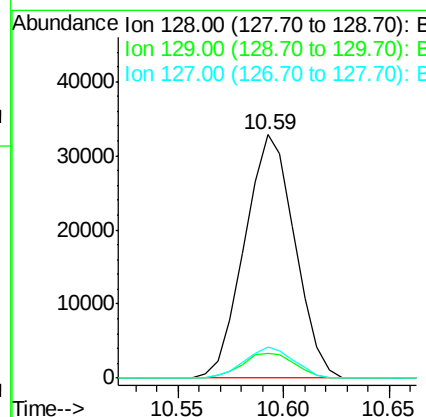
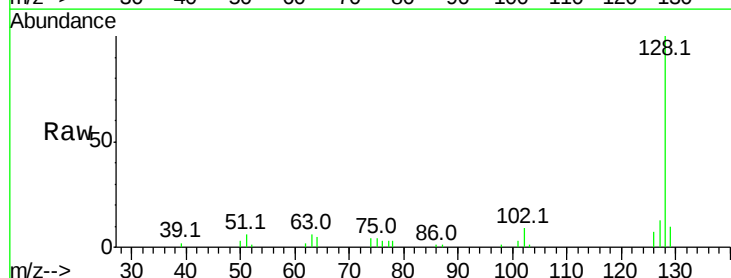
Tgt Ion: 128 Resp: 54233

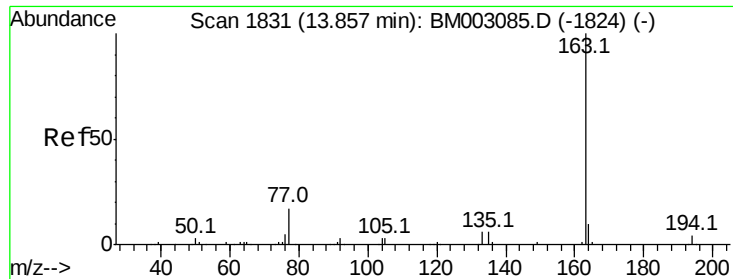
Ion Ratio Lower Upper

128 100

129 10.4 8.8 13.2

127 12.7 10.5 15.7





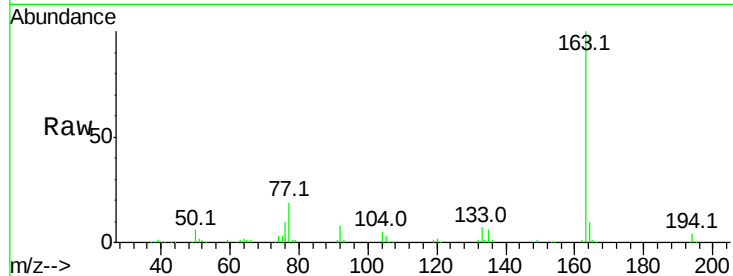
#45
Dimethylphthalate
Concen: 8.77 ng/ul
RT: 13.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BM003097.D
Acq: 11 Nov 2015 22:24

Instrument :
BNA_M
ClientSampled :
A4HS2

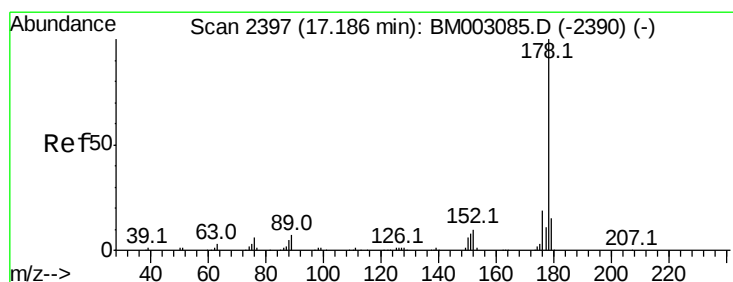
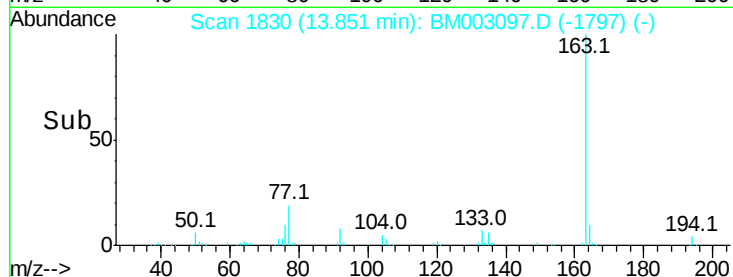
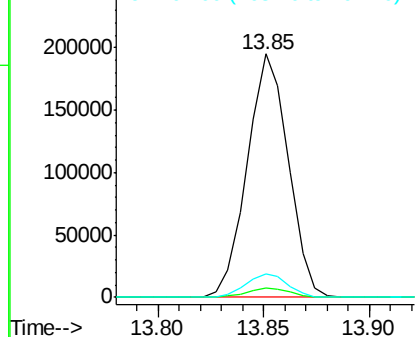
Tot Ion	Ratio	Resp	Lower	Upper
163	100	263846		
194	3.9		3.2	4.8
164	9.7		7.8	11.8

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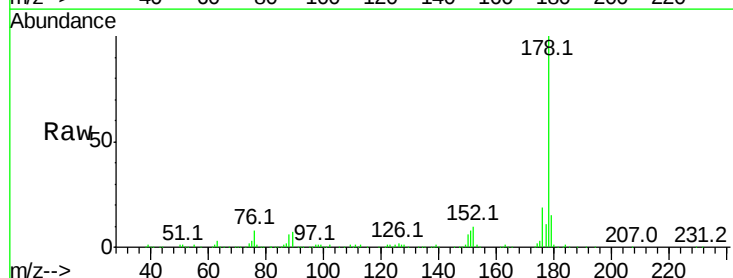


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

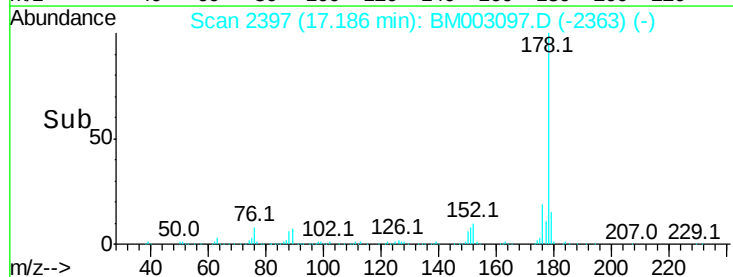
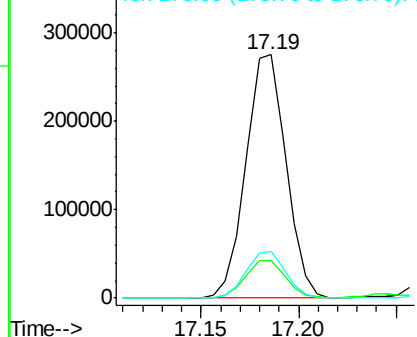


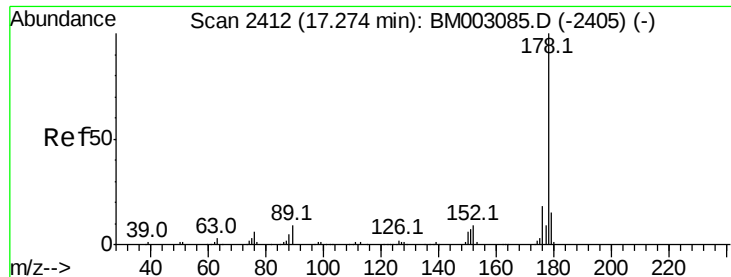
#70
Phenanthrene
Concen: 8.77 ng/ul
RT: 17.19 min Scan# 2397
Delta R.T. -0.00 min
Lab File: BM003097.D
Acq: 11 Nov 2015 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	392589		
179	15.5		12.2	18.4
176	18.9		14.7	22.1



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





#72

Anthracene

Concen: 2.18 ng/ul

RT: 17.27 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BM003097.D

Acq: 11 Nov 2015 22:24

Instrument :

BNA_M

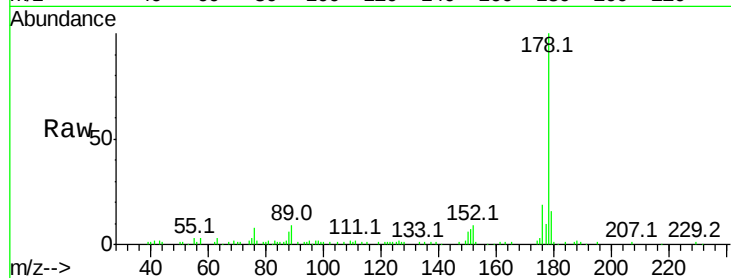
ClientSampleId :

A4HS2

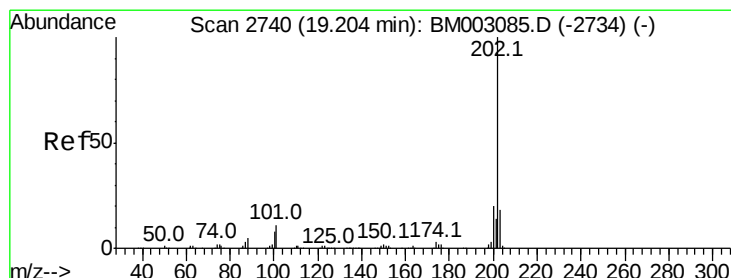
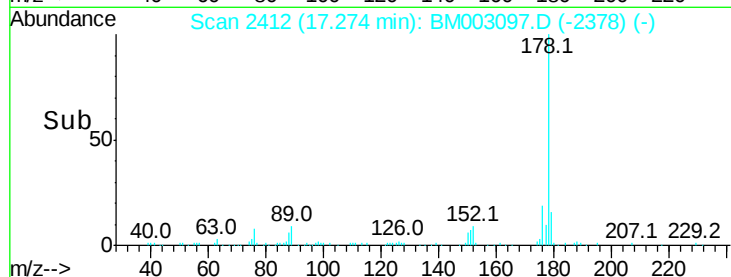
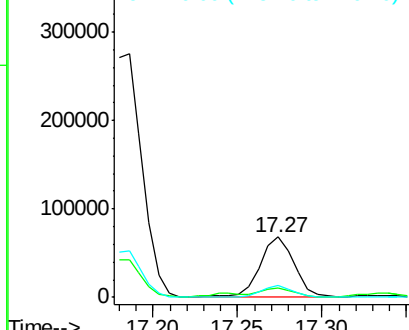
Tot Ion:	178	Resp:	95192
Ion Ratio	Lower	Upper	
178	100		
179	15.8	12.3	18.5
176	18.8	14.4	21.6

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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



#77

Fluoranthene

Concen: 11.10 ng/ul

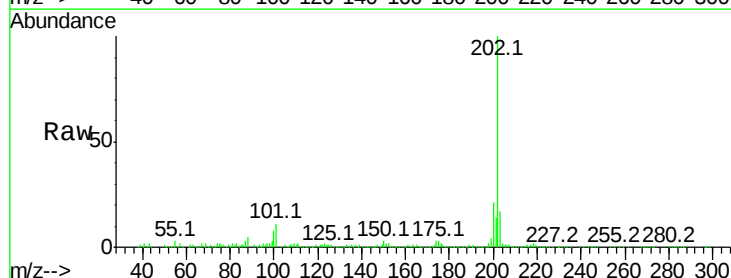
RT: 19.20 min Scan# 2740

Delta R.T. -0.00 min

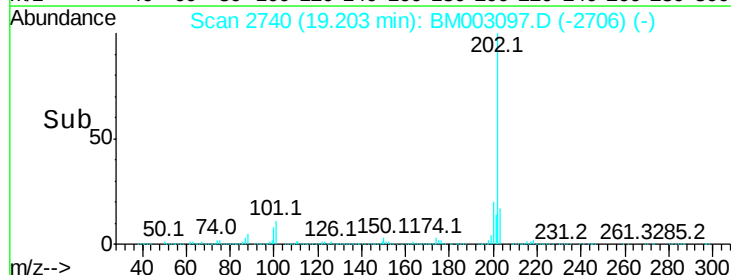
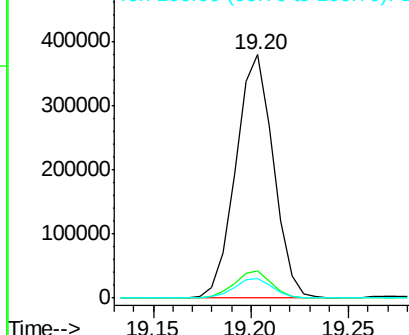
Lab File: BM003097.D

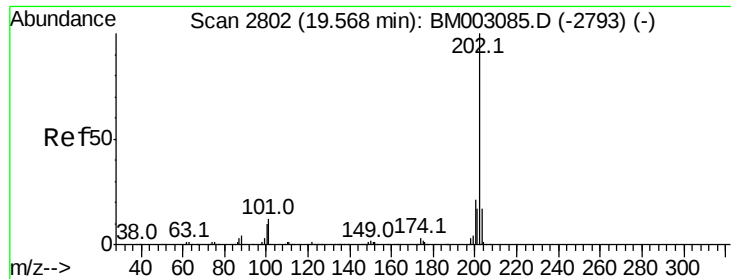
Acq: 11 Nov 2015 22:24

Tgt Ion:	202	Resp:	502429
Ion Ratio	Lower	Upper	
202	100		
101	11.0	10.4	15.6
100	8.0	7.8	11.6



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





#80

Pvrene

Concen: 12.40 ng/ul

RT: 19.57 min Scan# 2802

Delta R.T. -0.00 min

Lab File: BM003097.D

Acq: 11 Nov 2015 22:24

Instrument :

BNA_M

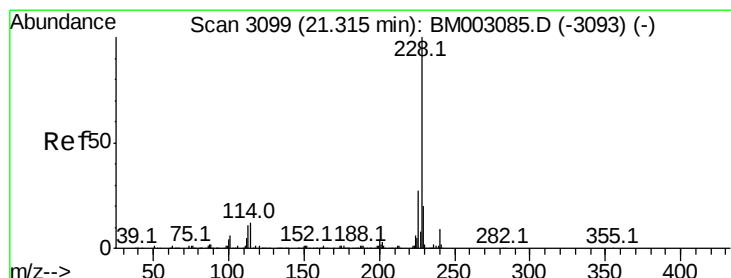
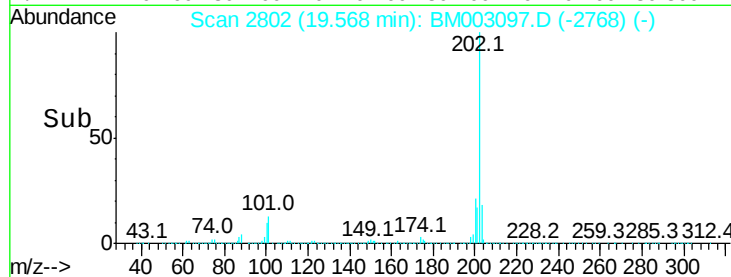
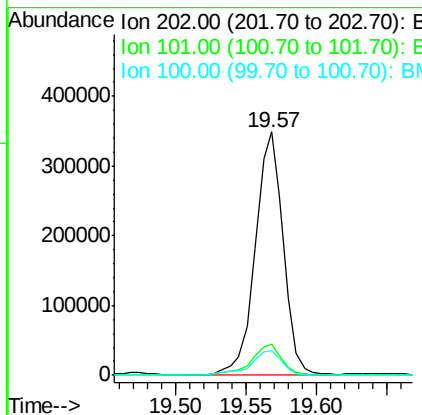
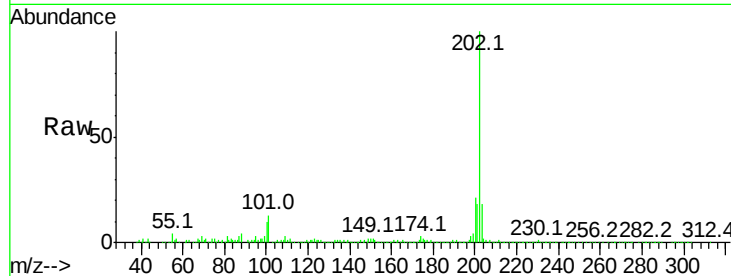
ClientSampleId :

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Tot Ion:	202	Resp:	482862
Ion Ratio	Lower	Upper	
202	100		
101	12.6	12.6	18.8
100	10.1	10.6	15.8#

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#83

Benzo(a)anthracene

Concen: 7.33 ng/ul

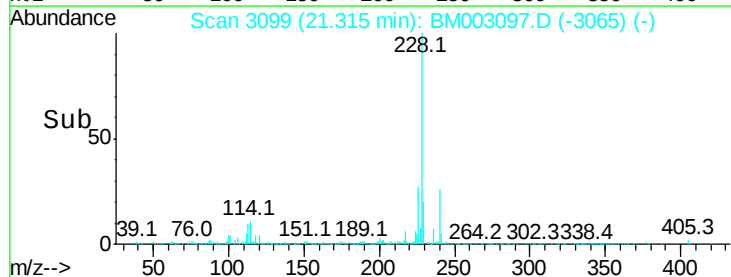
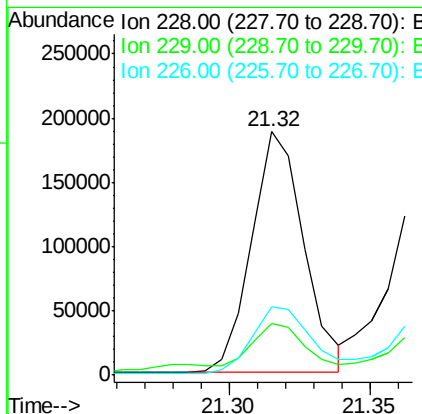
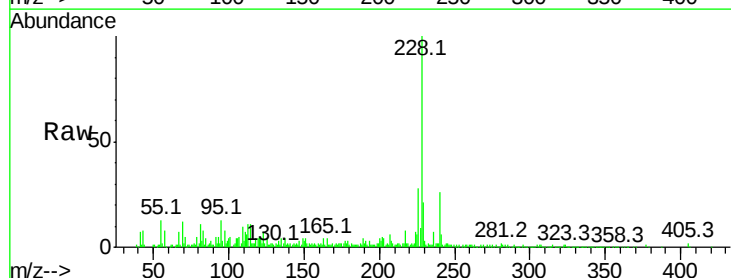
RT: 21.32 min Scan# 3099

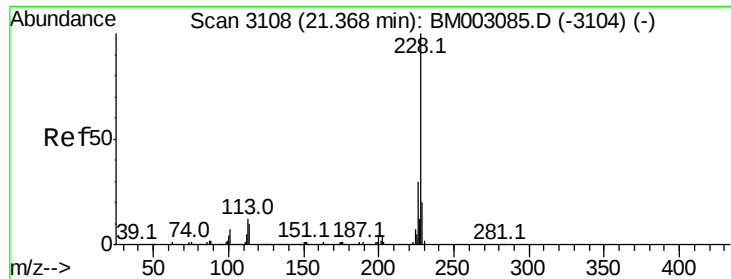
Delta R.T. -0.00 min

Lab File: BM003097.D

Acq: 11 Nov 2015 22:24

Tgt Ion:	228	Resp:	239579
Ion Ratio	Lower	Upper	
228	100		
229	21.3	15.6	23.4
226	28.0	21.0	31.6





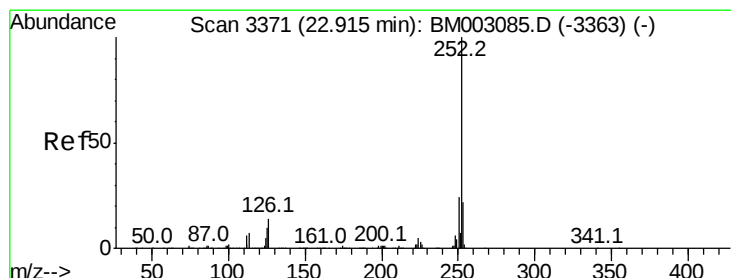
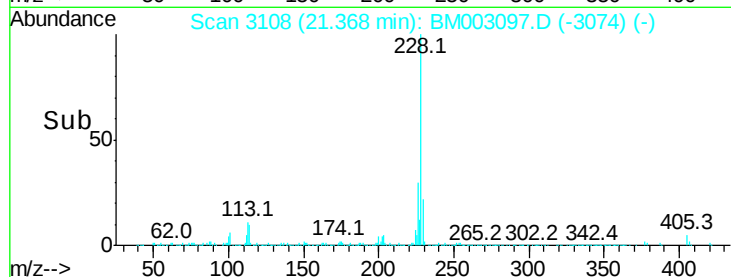
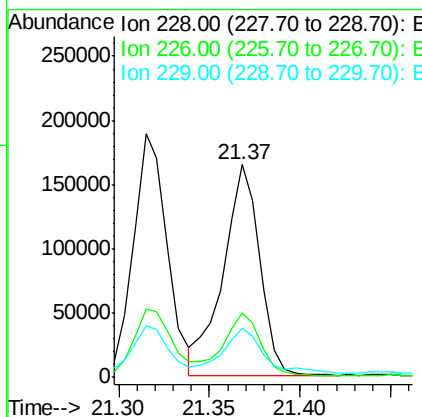
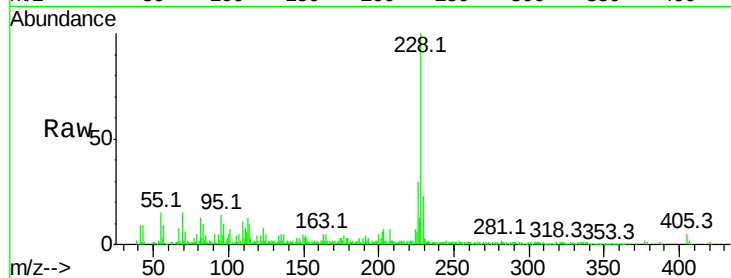
#85
Chrysene
Concen: 7.18 ng/ul
RT: 21.37 min Scan# 3108
Delta R.T. -0.00 min
Lab File: BM003097.D
Acq: 11 Nov 2015 22:24

Instrument :
BNA_M
ClientSampleId :
A4HS2

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.3	34.9
229	23.2	15.8	23.6

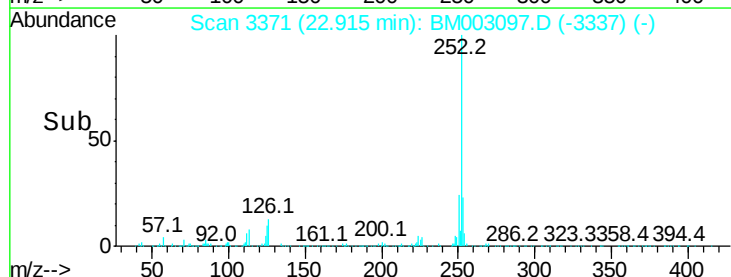
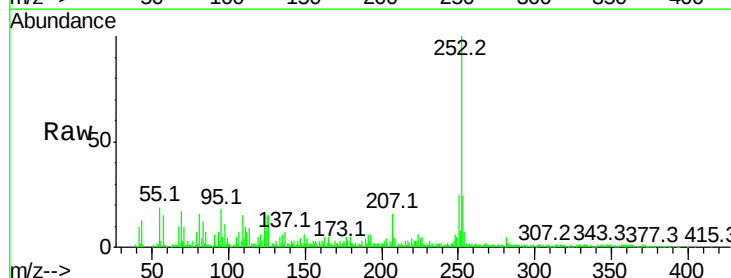
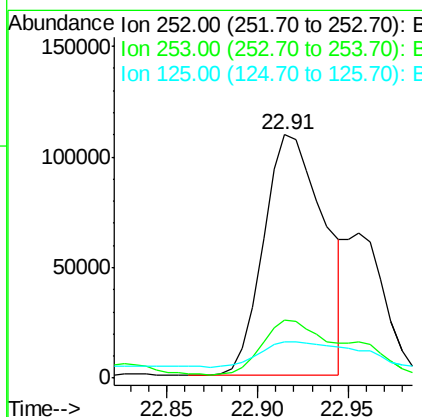
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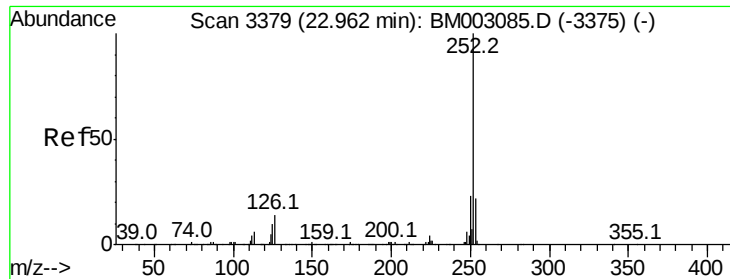
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#88
Benzo(b)fluoranthene
Concen: 7.31 ng/ul
RT: 22.91 min Scan# 3371
Delta R.T. -0.00 min
Lab File: BM003097.D
Acq: 11 Nov 2015 22:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.2
125	15.1	10.7	16.1





#89

Benzo(k)fluoranthene

Concen: 3.05 ng/ul m

RT: 22.96 min Scan# 3378

Delta R.T. -0.01 min

Lab File: BM003097.D

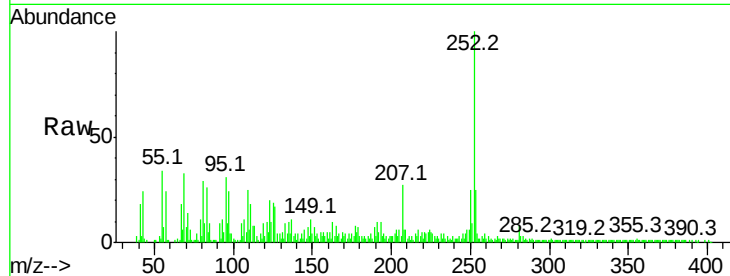
Acq: 11 Nov 2015 22:24

Instrument :

BNA_M

ClientSampled :

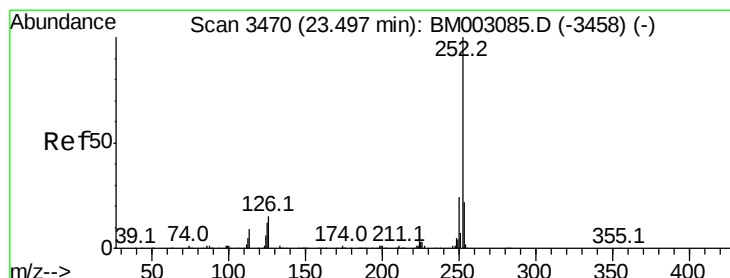
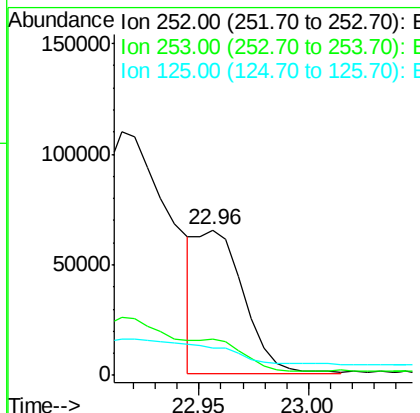
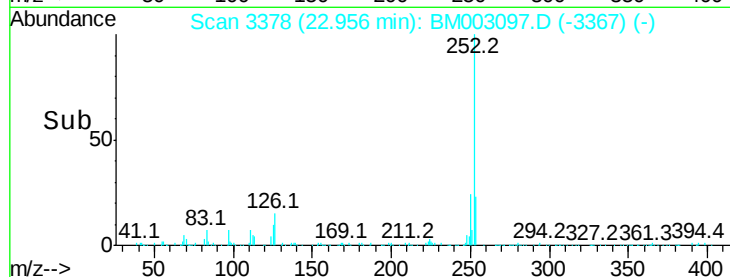
A4HS2



Tot Ion:	252	Resp:	98814
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.4	26.0
125	18.9	11.1	16.7#

Manual Integrations
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#91

Benzo(a)pyrene

Concen: 6.58 ng/ul

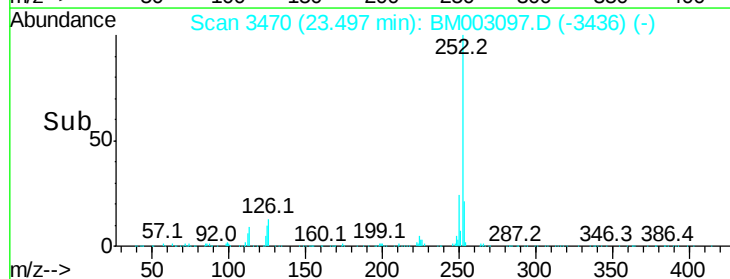
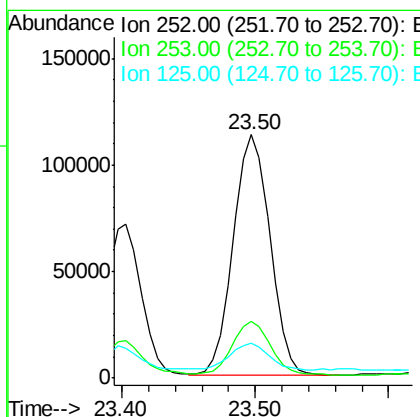
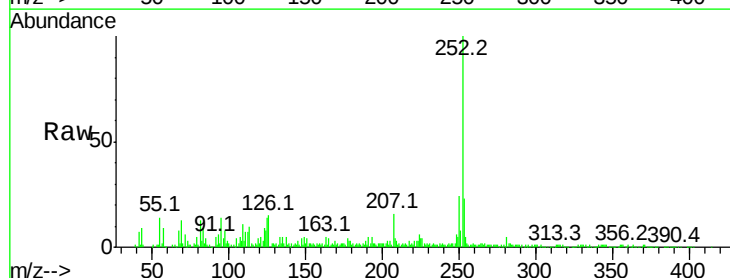
RT: 23.50 min Scan# 3470

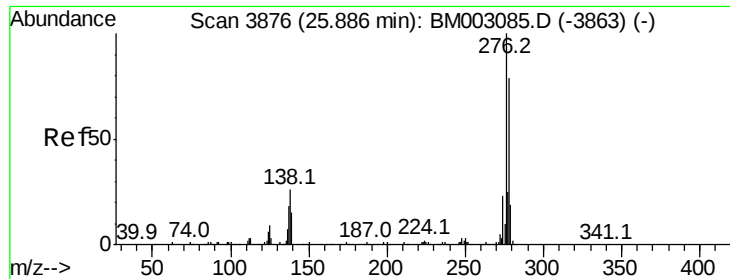
Delta R.T. -0.00 min

Lab File: BM003097.D

Acq: 11 Nov 2015 22:24

Tgt Ion:	252	Resp:	216320
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.1	25.7
125	14.3	11.9	17.9





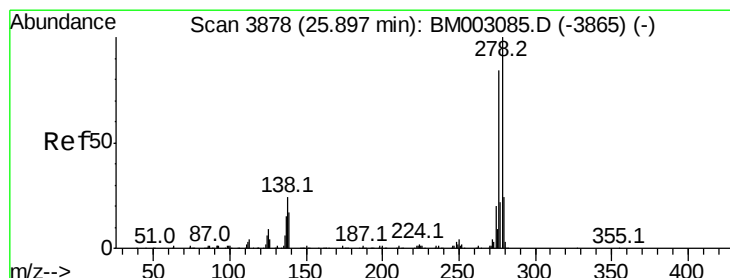
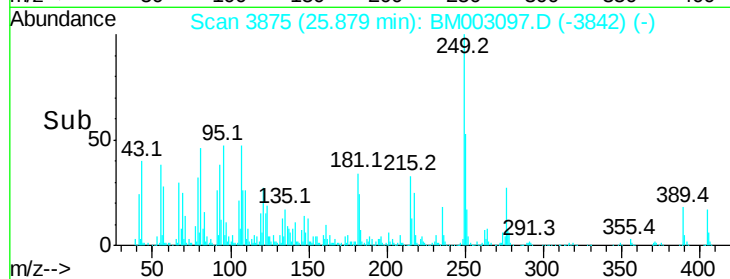
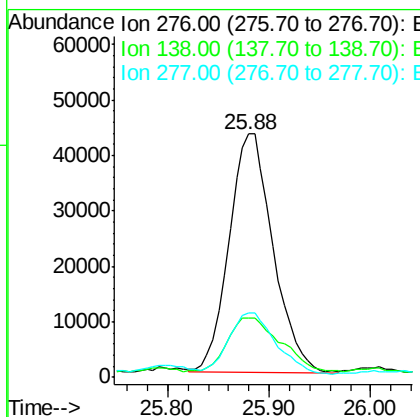
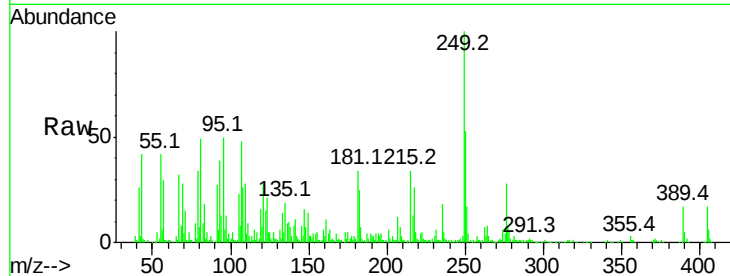
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 3.60 ng/ul
 RT: 25.88 min Scan# 3875
 Delta R.T. -0.01 min
 Lab File: BM003097.D
 Acq: 11 Nov 2015 22:24

Instrument :
 BNA_M
 ClientSampleId :
 A4HS2

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	24.2	26.6	40.0#	
277	26.7	20.2	30.4	

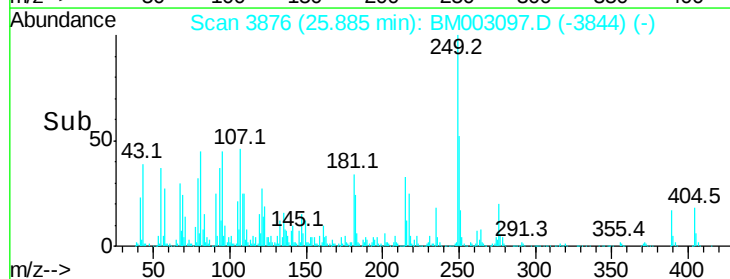
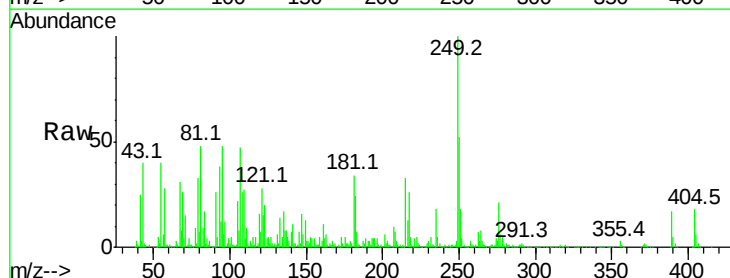
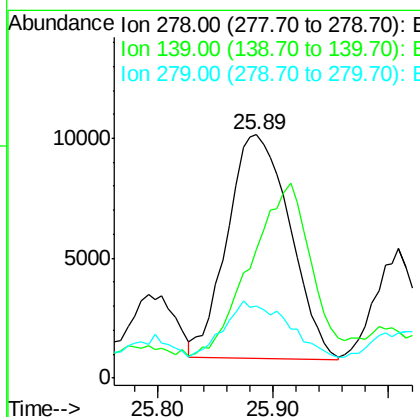
Manual Integrations
 APPROVED

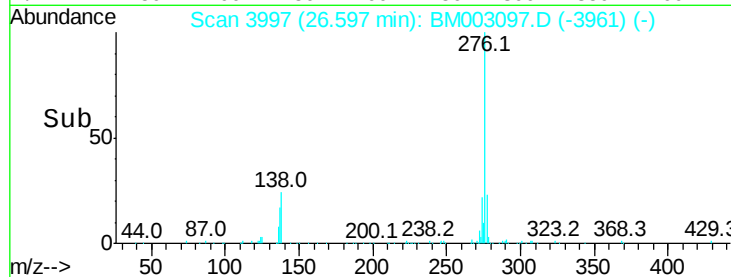
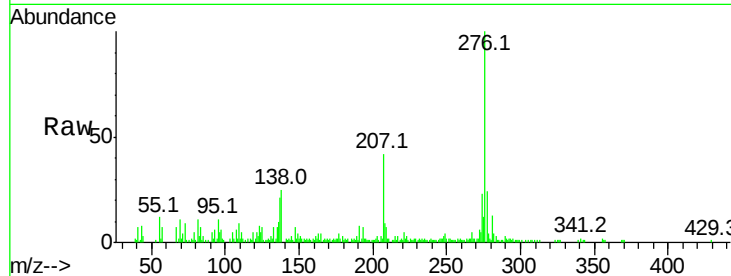
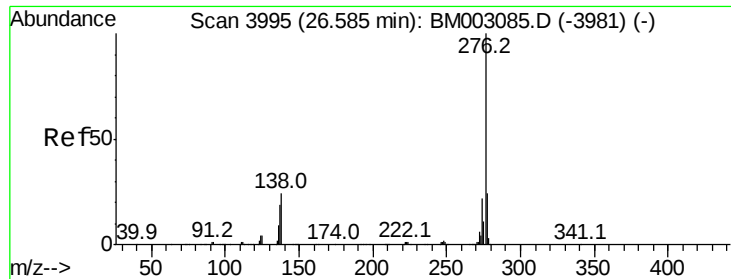
Mmdadoda
 11/13/2015 6:31:22 PM



#93
 Dibenzo(a,h)anthracene
 Concen: 1.24 ng/ul
 RT: 25.89 min Scan# 3876
 Delta R.T. -0.01 min
 Lab File: BM003097.D
 Acq: 11 Nov 2015 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	53.0	18.8	28.2#	
279	29.8	19.3	28.9#	





#94

Benzo(a,h,i)perylene

Concen: 4.01 ng/ul

RT: 26.60 min Scan# 3997

Delta R.T. 0.01 min

Lab File: BM003097.D

Acq: 11 Nov 2015 22:24

Tot Ion:	276	Resp:	130411
Ion Ratio	Lower	Upper	
276	100		
138	24.9	23.8	35.6
277	24.3	19.4	29.2

Instrument :

BNA_M

ClientSampleId :

A4HS2

Manual Integrations
APPROVED

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11/13/2015 6:31:22 PM

