

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
 Data File : BM002781.D
 Acq On : 30 Sep 2015 12:39
 Operator : UM/IZ
 Sample : G3838-11
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E5MW9

Manual Integrations
 APPROVED

MMDadoda
 9/30/2015 4:42:10 PM

Quant Time: Sep 30 13:25:02 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM092915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 30 06:48:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.70	152	96219	20.00	ng/ul	0.00
18) Naphthalene-d8	11.56	136	398328	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.29	164	199144	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.00	188	404982	20.00	ng/ul	0.00
78) Chrysene-d12	22.09	240	428244	20.00	ng/ul	0.00
86) Perylene-d12	24.68	264	436239	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.77	96	10973	5.30	ng/uL	0.00
5) Phenol-d5	7.82	99	225228	30.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.99	67	127965	31.20	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	208125	30.67	ng/ul	0.00
13) 4-Methylphenol-d8	9.39	113	189571	31.54	ng/ul	0.00
19) Nitrobenzene-d5	9.89	128	97872	32.22	ng/ul	0.00
22) 2-Nitrophenol-d4	10.62	143	102273	32.21	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.16	165	169701	30.29	ng/ul	0.00
29) 4-Chloroaniline-d4	11.68	131	256803	38.08	ng/ul	0.00
44) Dimethylphthalate-d6	14.67	166	488531	32.61	ng/ul	0.00
47) Acenaphthylene-d8	15.00	160	651833	32.60	ng/ul	0.00
52) 4-Nitrophenol-d4	15.46	143	84637	31.81	ng/ul	0.00
58) Fluorene-d10	16.27	176	429419	31.82	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.39	200	40376	20.44	ng/ul	0.00
71) Anthracene-d10	18.10	188	629320	32.56	ng/ul	0.00
79) Pyrene-d10	20.33	212	647320	32.39	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.51	264	739972	33.16	ng/ul	0.00

Target Compounds

					Ovalue	
45) Dimethylphthalate	14.72	163	230580	15.14	ng/ul	100
70) Phenanthrene	18.04	178	122626	5.23	ng/ul	99
72) Anthracene	18.14	178	34633	1.45	ng/ul	99
77) Fluoranthene	20.00	202	297101	12.28	ng/ul	99
80) Pyrene	20.36	202	234855	8.63	ng/ul	99
83) Benzo(a)anthracene	22.07	228	148381	5.83	ng/ul	99
85) Chrysene	22.13	228	136896	5.70	ng/ul	97
88) Benzo(b)fluoranthene	23.88	252	168685	6.44	ng/ul	99
89) Benzo(k)fluoranthene	23.93	252	55466m	2.24	ng/ul	
91) Benzo(a)pyrene	24.56	252	115420	4.59	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	27.40	276	71600	2.44	ng/ul#	92
94) Benzo(g,h,i)perylene	28.24	276	63922	2.59	ng/ul	98

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

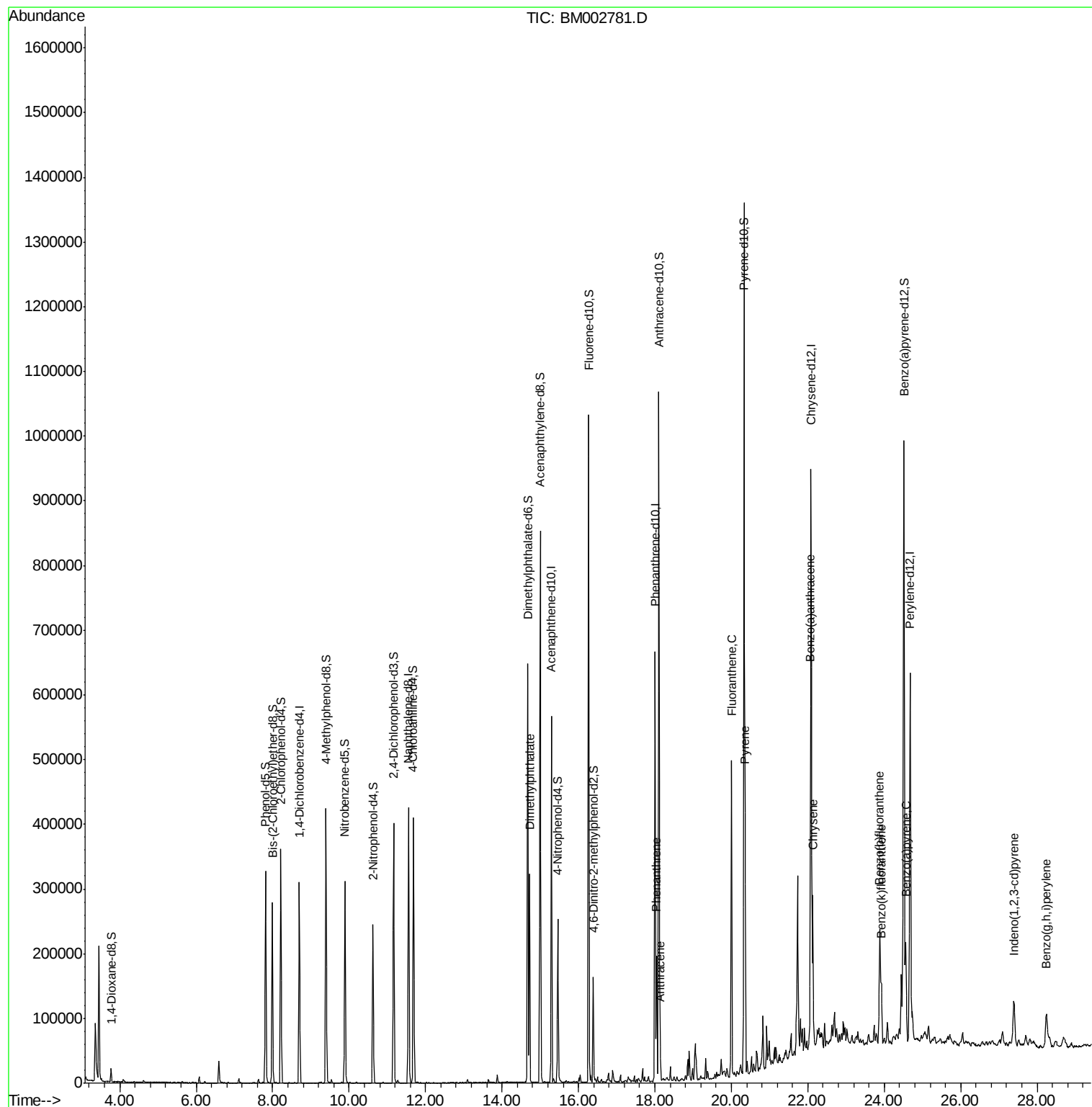
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002781.D
Acq On : 30 Sep 2015 12:39
Operator : UM/IZ
Sample : G3838-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

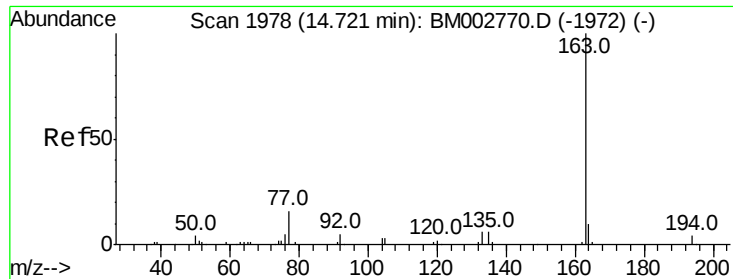
Instrument :
BNA_M
ClientSampleId :
E5MW9

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Quant Title : SVOA CALIBRATION
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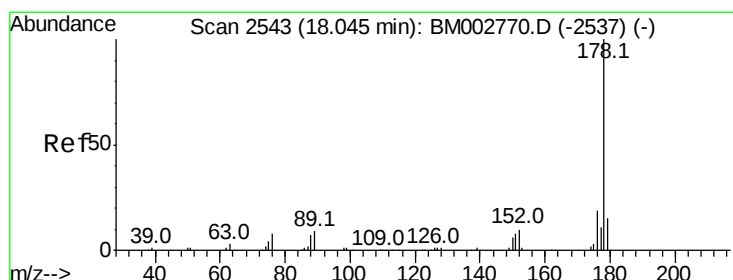
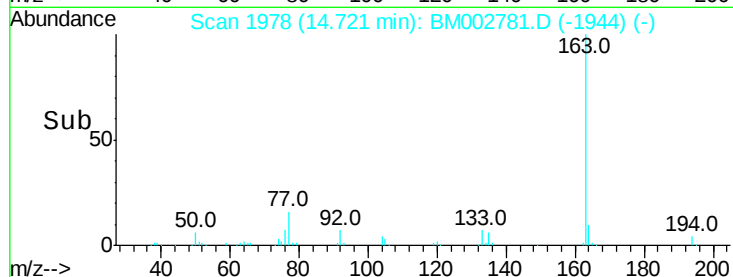
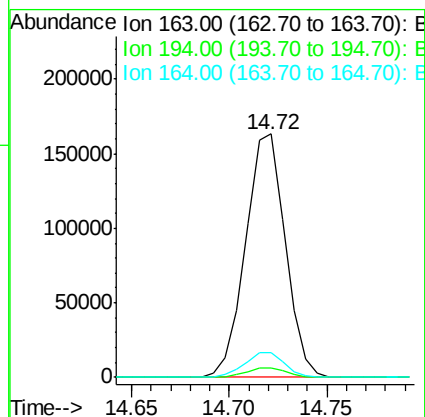
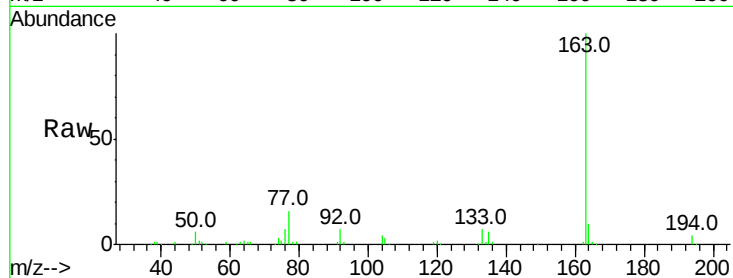
#45
Dimethylphthalate
Concen: 15.14 ng/ul
RT: 14.72 min Scan# 1978
Delta R.T. -0.00 min
Lab File: BM002781.D
Acq: 30 Sep 2015 12:39

Instrument :
BNA_M
ClientSampleId :
E5MW9

Tot Ion:	163	Resp:	230580
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.2	4.8
164	10.1	8.1	12.1

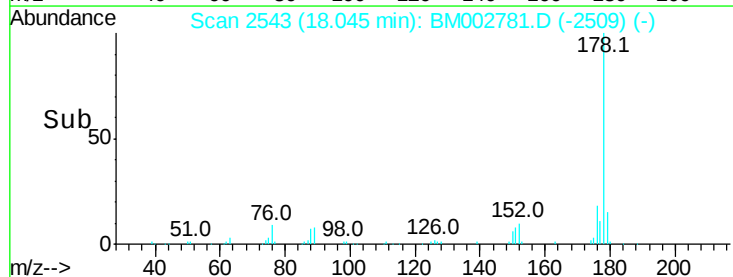
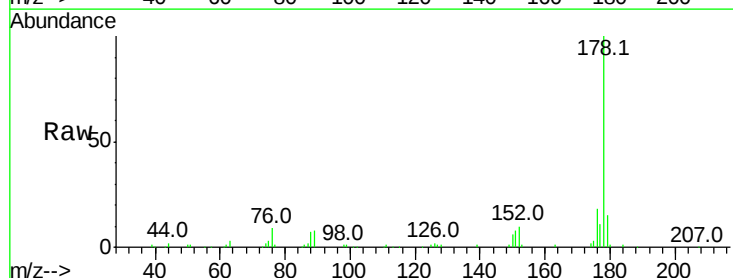
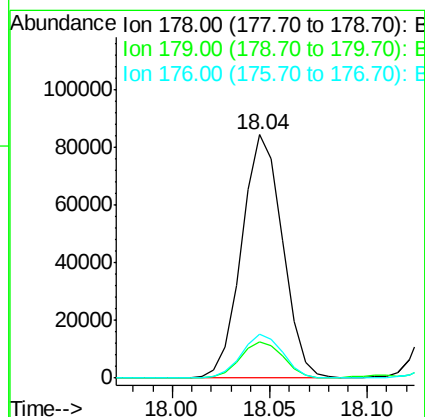
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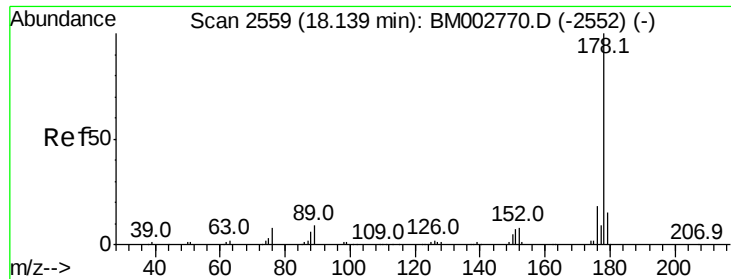
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#70
Phenanthrene
Concen: 5.23 ng/ul
RT: 18.04 min Scan# 2543
Delta R.T. -0.00 min
Lab File: BM002781.D
Acq: 30 Sep 2015 12:39

Tgt Ion:	178	Resp:	122626
Ion Ratio	Lower	Upper	
178	100		
179	15.0	12.0	18.0
176	17.8	14.6	22.0





#72

Anthracene

Concen: 1.45 ng/ul

RT: 18.14 min Scan# 2559

Delta R.T. -0.00 min

Lab File: BM002781.D

Acq: 30 Sep 2015 12:39

Instrument :

BNA_M

ClientSampleId :

E5MW9

Tot Ion:178 Resp: 34633

Ion Ratio Lower Upper

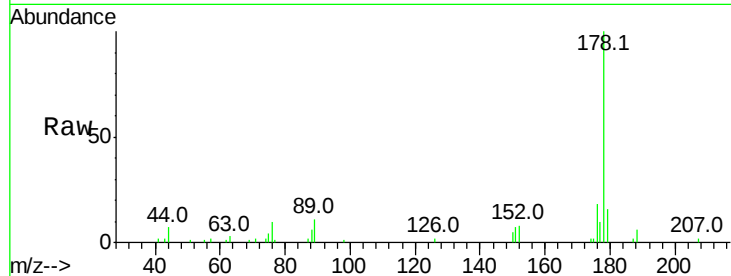
178 100

179 15.5 11.9 17.9

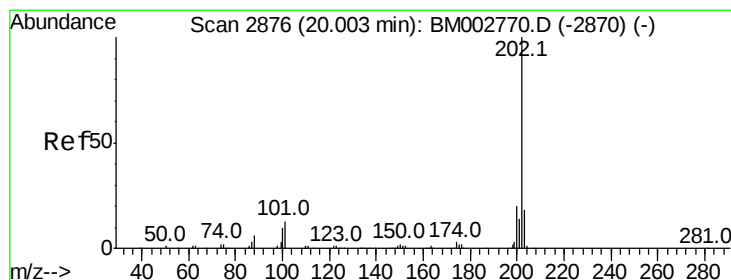
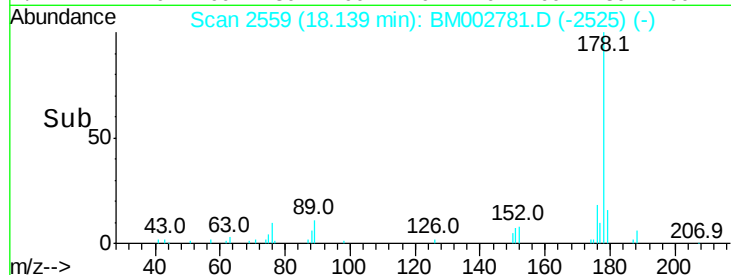
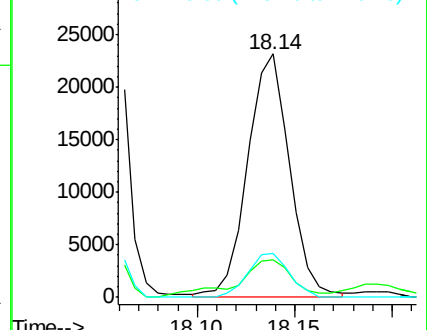
176 17.9 14.4 21.6

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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: 12.28 ng/ul

RT: 20.00 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BM002781.D

Acq: 30 Sep 2015 12:39

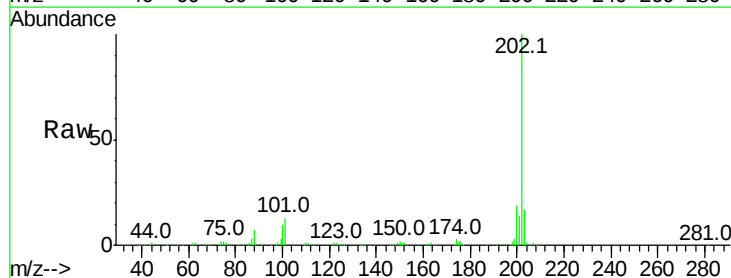
Tgt Ion:202 Resp: 297101

Ion Ratio Lower Upper

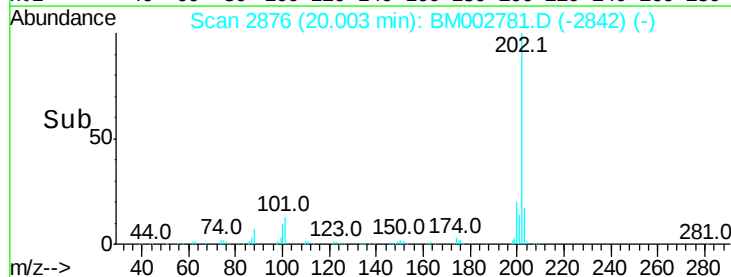
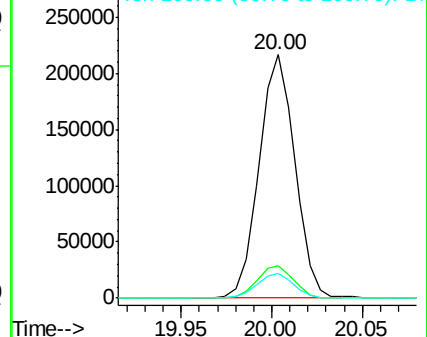
202 100

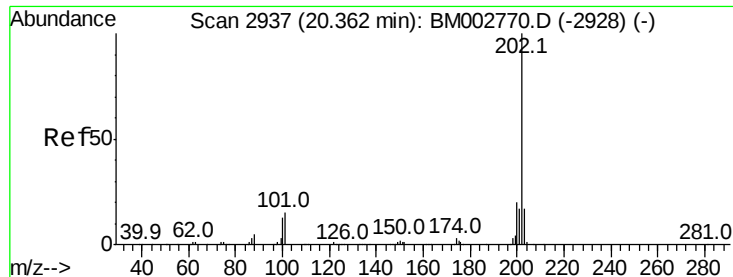
101 13.1 11.0 16.4

100 9.9 8.3 12.5



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





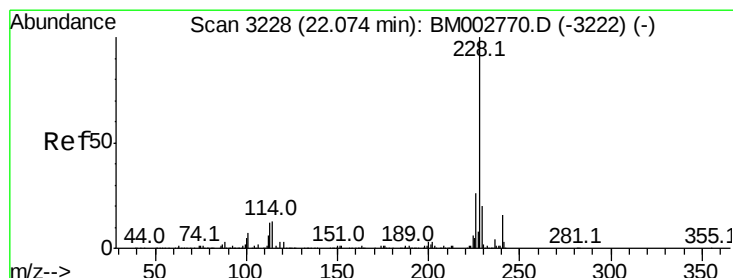
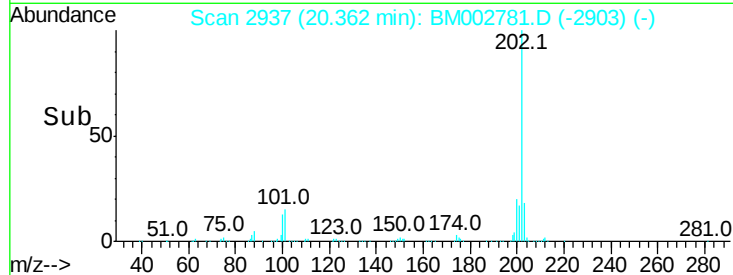
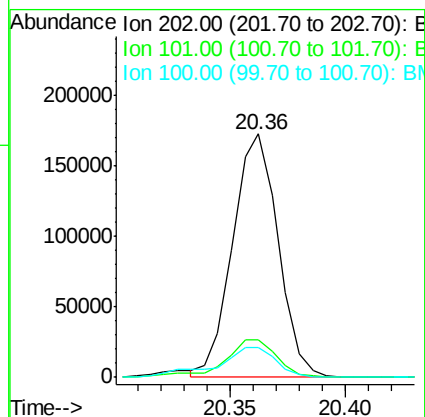
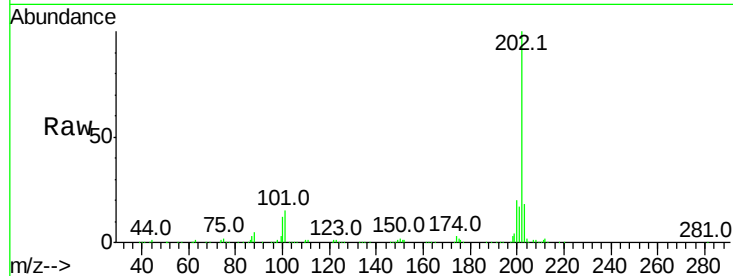
#80
Pvrene
Concen: 8.63 ng/ul
RT: 20.36 min Scan# 2937
Delta R.T. -0.00 min
Lab File: BM002781.D
Acq: 30 Sep 2015 12:39

Instrument :
BNA_M
ClientSampleId :
E5MW9

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	15.2	12.1	18.1
100	12.4	10.2	15.4

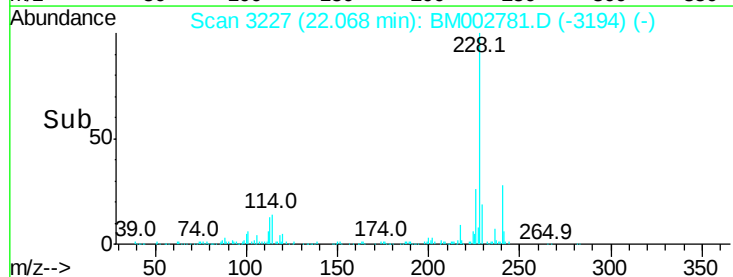
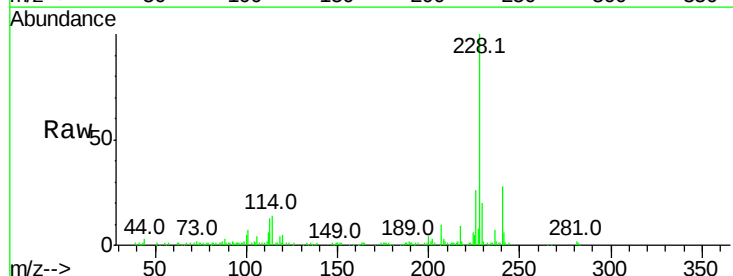
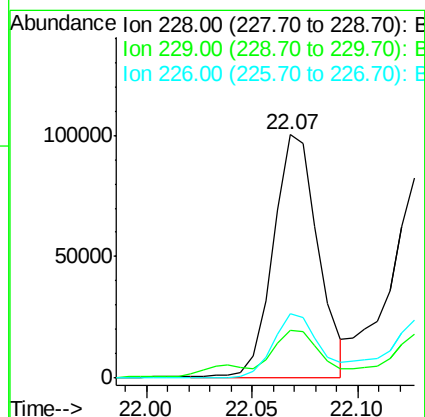
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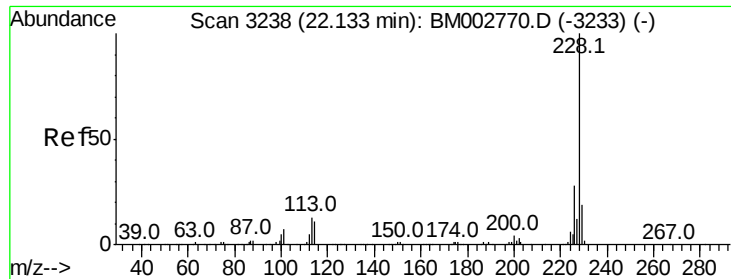
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#83
Benzo(a)anthracene
Concen: 5.83 ng/ul
RT: 22.07 min Scan# 3227
Delta R.T. -0.01 min
Lab File: BM002781.D
Acq: 30 Sep 2015 12:39

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	19.8	16.1	24.1
226	26.3	20.9	31.3





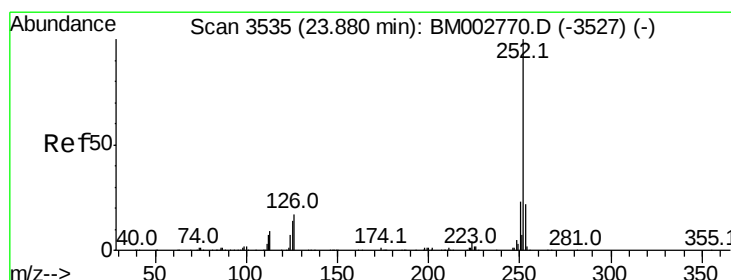
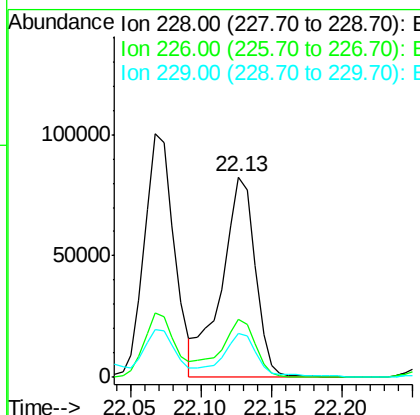
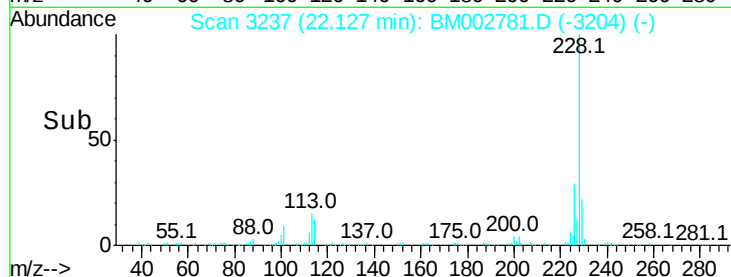
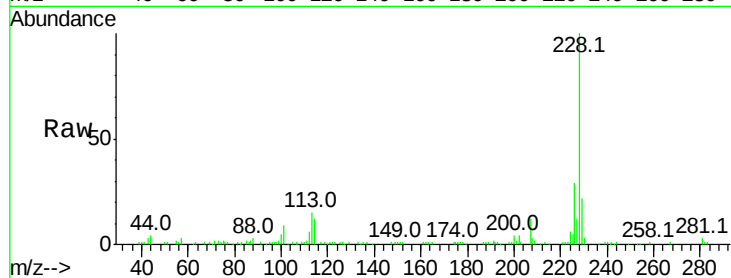
#85
Chrysene
Concen: 5.70 ng/ul
RT: 22.13 min Scan# 3237
Delta R.T. -0.01 min
Lab File: BM002781.D
Acq: 30 Sep 2015 12:39

Instrument :
BNA_M
ClientSampled :
E5MW9

Tot Ion	Ratio	Resp	Lower	Upper
228	100			
226	28.8	22.4	33.6	
229	22.1	15.4	23.2	

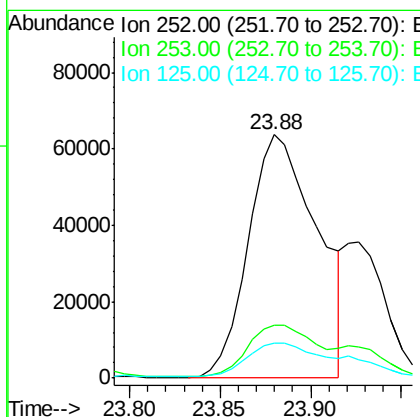
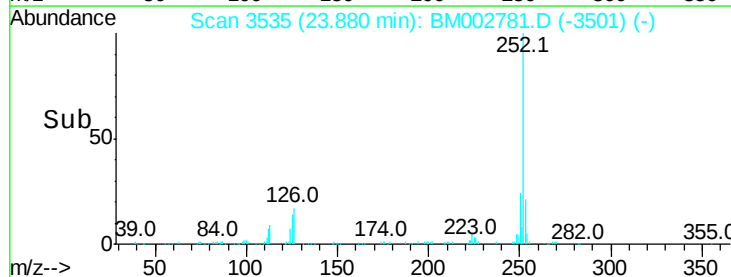
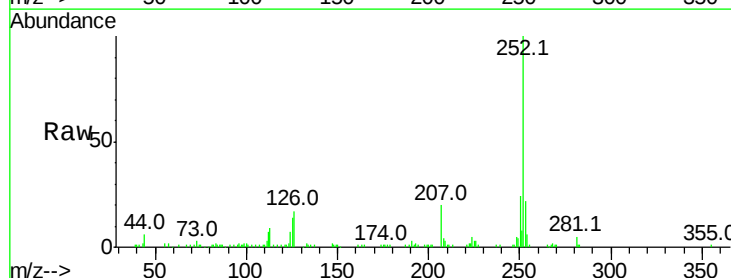
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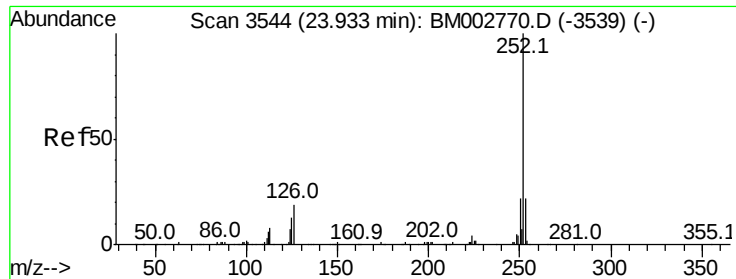
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#88
Benzo(b)fluoranthene
Concen: 6.44 ng/ul
RT: 23.88 min Scan# 3535
Delta R.T. -0.00 min
Lab File: BM002781.D
Acq: 30 Sep 2015 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	21.9	17.6	26.4	
125	14.5	10.6	15.8	





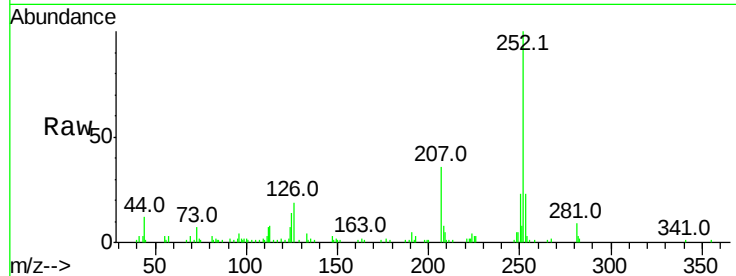
#89
Benzo(k)fluoranthene
Concen: 2.24 ng/ul m
RT: 23.93 min Scan# 3543
Delta R.T. -0.01 min
Lab File: BM002781.D
Acq: 30 Sep 2015 12:39

Instrument :
BNA_M
ClientSampleId :
E5MW9

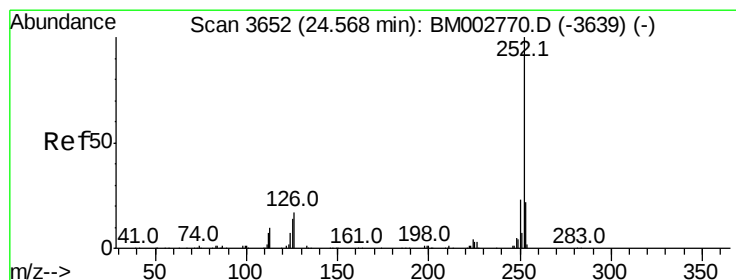
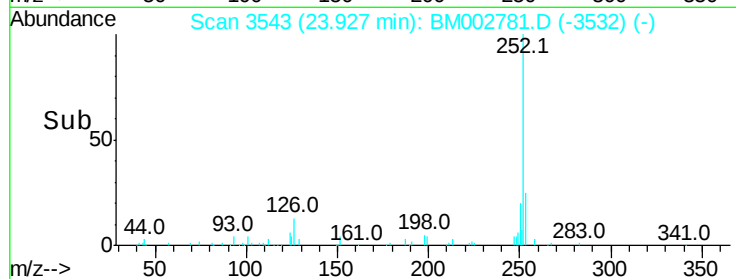
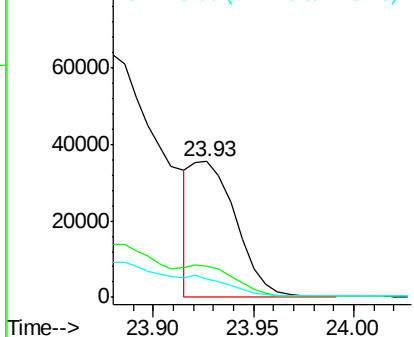
Tot Ion	Ratio	Resp	Lower	Upper
252	100	55466		
253	23.2		17.3	25.9
125	13.6		10.0	15.0

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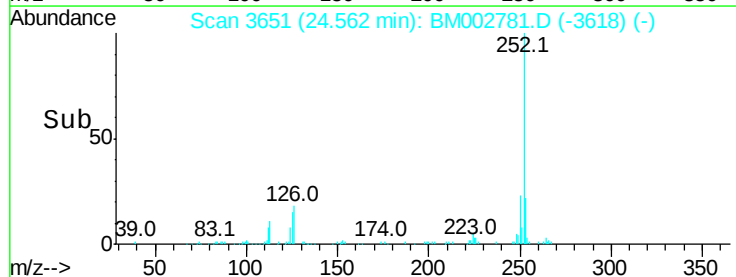
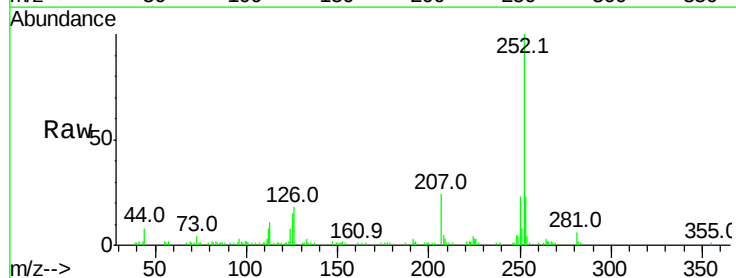
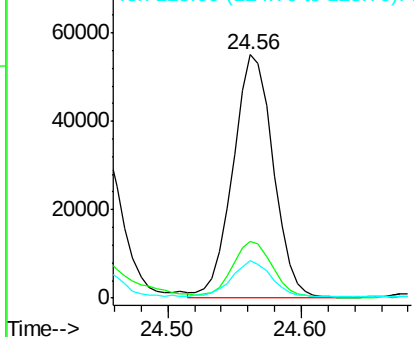
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Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

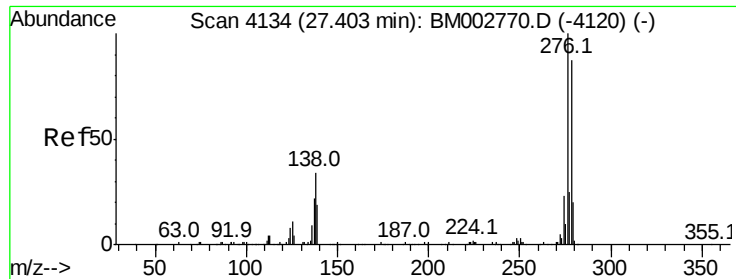


#91
Benzo(a)pyrene
Concen: 4.59 ng/ul
RT: 24.56 min Scan# 3651
Delta R.T. -0.01 min
Lab File: BM002781.D
Acq: 30 Sep 2015 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	115420		
253	23.0		17.4	26.0
125	15.5		11.4	17.2

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





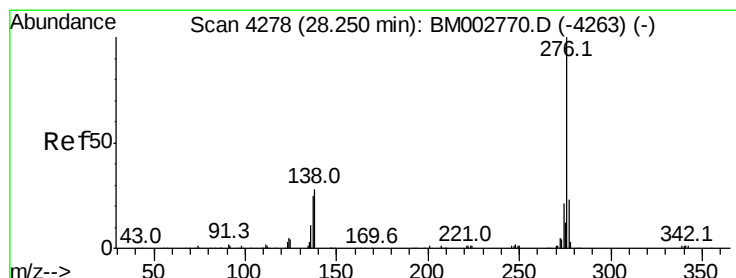
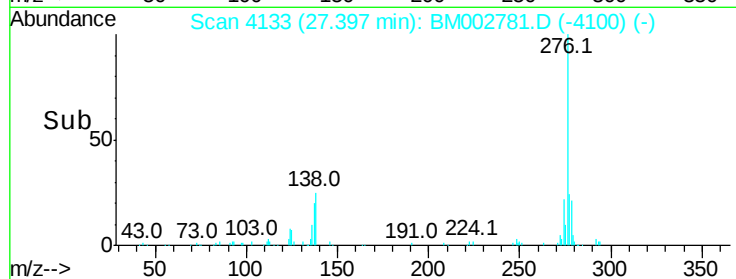
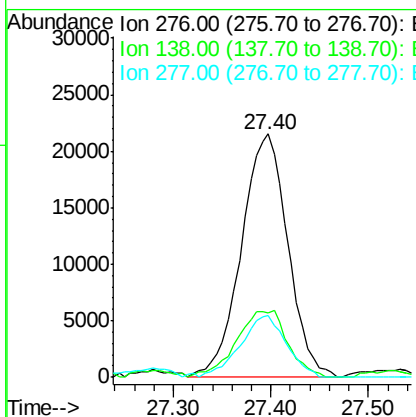
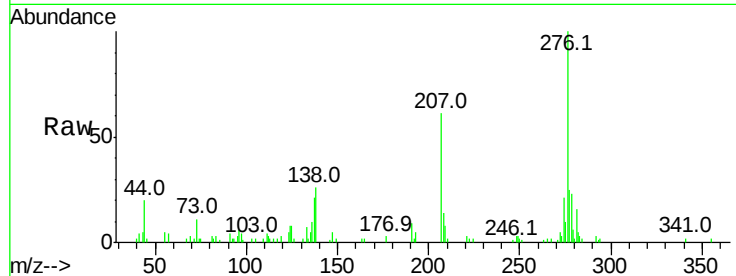
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 2.44 ng/ul
 RT: 27.40 min Scan# 4133
 Delta R.T. -0.01 min
 Lab File: BM002781.D
 Acq: 30 Sep 2015 12:39

Instrument :
 BNA_M
 ClientSampleId :
 E5MW9

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.3	27.7	41.5#
277	25.4	20.2	30.4

Manual Integrations
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#94
 Benzo(g,h,i)perylene
 Concen: 2.59 ng/ul
 RT: 28.24 min Scan# 4276
 Delta R.T. -0.01 min
 Lab File: BM002781.D
 Acq: 30 Sep 2015 12:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.0	21.8	32.8
277	21.9	18.9	28.3

