

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
 Data File : BM002782.D
 Acq On : 30 Sep 2015 13:16
 Operator : UM/IZ
 Sample : G3838-15
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E5MX1

Manual Integrations
 APPROVED

MMDadoda
 9/30/2015 4:42:24 PM

Quant Time: Sep 30 14:45:13 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	105102	20.00	ng/ul	0.00
18) Naphthalene-d8	11.56	136	425728	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.29	164	204087	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.00	188	410101	20.00	ng/ul	0.00
78) Chrysene-d12	22.09	240	432624	20.00	ng/ul	0.00
86) Perylene-d12	24.69	264	449310	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.77	96	7133	3.15	ng/uL	0.00
5) Phenol-d5	7.81	99	107663	13.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.99	67	80916	18.06	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	116173	15.67	ng/ul	0.00
13) 4-Methylphenol-d8	9.39	113	73596	11.21	ng/ul	0.00
19) Nitrobenzene-d5	9.89	128	58301	17.96	ng/ul	0.00
22) 2-Nitrophenol-d4	10.62	143	59625	17.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.16	165	94166	15.73	ng/ul	0.00
29) 4-Chloroaniline-d4	11.68	131	107901	14.97	ng/ul	0.00
44) Dimethylphthalate-d6	14.67	166	283723	18.48	ng/ul	0.00
47) Acenaphthylene-d8	15.00	160	372195	18.16	ng/ul	0.00
52) 4-Nitrophenol-d4	15.46	143	27780	10.19	ng/ul	0.00
58) Fluorene-d10	16.27	176	248054	17.93	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.39	200	12023	6.01	ng/ul	0.00
71) Anthracene-d10	18.10	188	349023	17.83	ng/ul	0.00
79) Pyrene-d10	20.33	212	358464	17.75	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.51	264	406200	17.67	ng/ul	0.00

Target Compounds

					Ovalue
14) Acetophenone	9.53	105	41911	4.24	ng/ul 99
28) Naphthalene	11.61	128	42242	1.94	ng/ul 98
45) Dimethylphthalate	14.72	163	113753	7.29	ng/ul 100
50) Acenaphthene	15.36	153	27896	1.95	ng/ul 97
54) Dibenzofuran	15.68	168	30453	1.57	ng/ul 100
59) Fluorene	16.32	166	39040	2.46	ng/ul 98
70) Phenanthrene	18.04	178	515932	21.75	ng/ul 99
72) Anthracene	18.14	178	130805	5.42	ng/ul 99
75) Carbazole	18.40	167	60684	2.88	ng/ul 98
77) Fluoranthene	20.00	202	775471	31.66	ng/ul 99
80) Pyrene	20.36	202	633880	23.07	ng/ul 99
83) Benzo(a)anthracene	22.07	228	374635	14.57	ng/ul 100
85) Chrysene	22.13	228	353195	14.56	ng/ul 96
88) Benzo(b)fluoranthene	23.89	252	482684	17.88	ng/ul 98
89) Benzo(k)fluoranthene	23.93	252	147455m	5.77	ng/ul
91) Benzo(a)pyrene	24.57	252	315328	12.16	ng/ul 99
92) Indeno(1,2,3-cd)pyrene	27.40	276	218186	7.21	ng/ul# 91
93) Dibenzo(a,h)anthracene	27.40	278	61634	2.41	ng/ul# 76
94) Benzo(g,h,i)perylene	28.25	276	176148	6.92	ng/ul 99

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

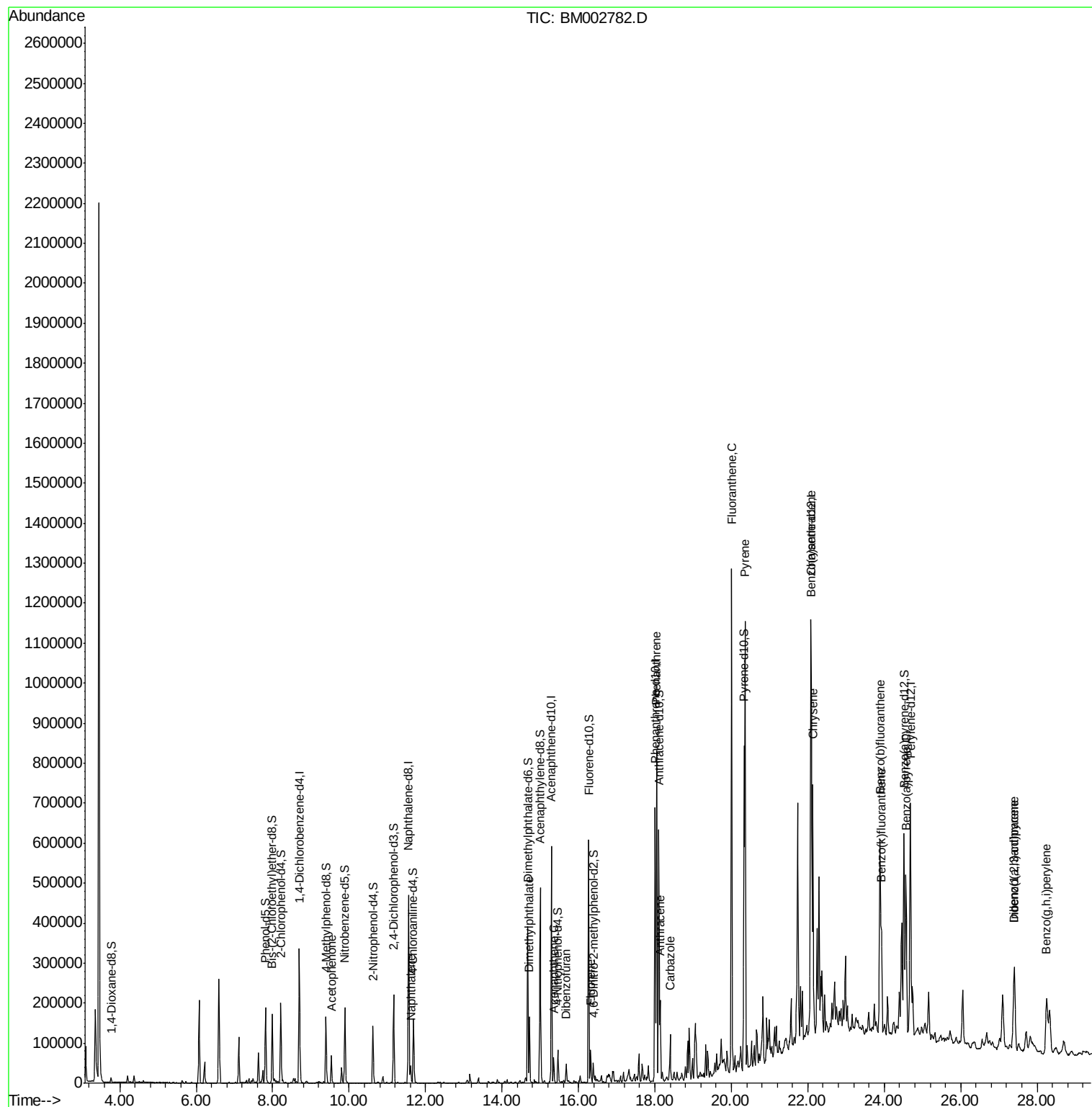
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002782.D
Acq On : 30 Sep 2015 13:16
Operator : UM/IZ
Sample : G3838-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

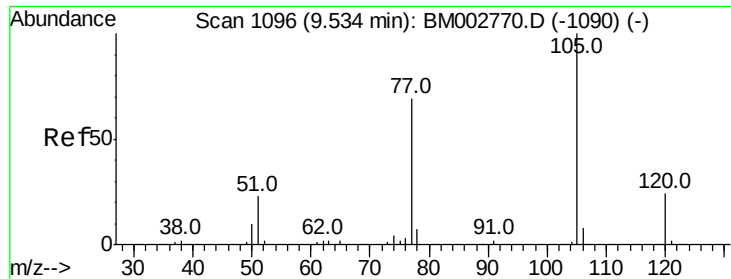
Instrument :
BNA_M
ClientSampleId :
E5MX1

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Quant Time: Sep 30 14:45:13 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





#14

Acetophenone

Concen: 4.24 ng/ul

RT: 9.53 min Scan# 1096

Delta R.T. -0.00 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

Instrument :

BNA_M

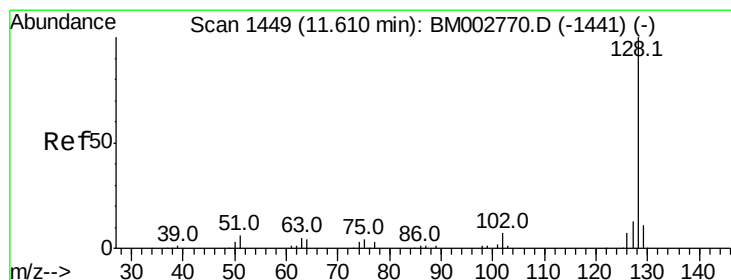
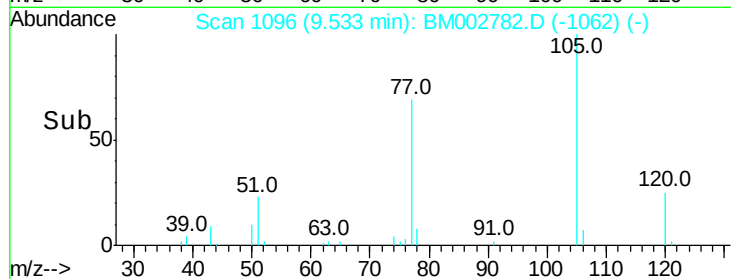
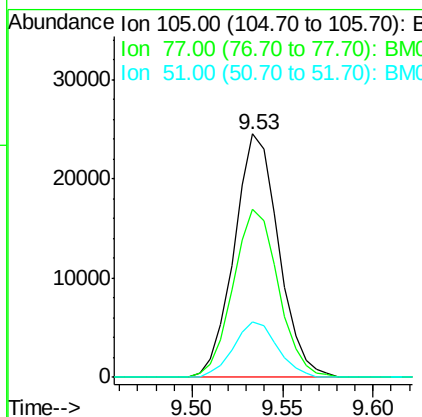
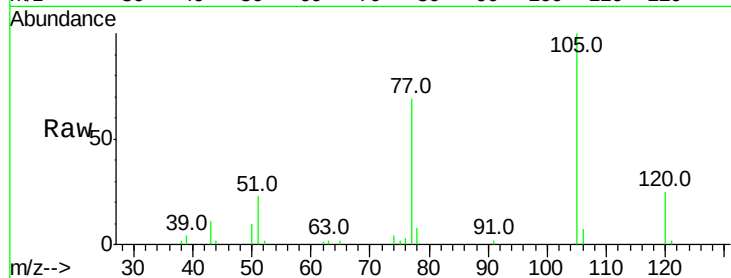
ClientSampleId :

E5MX1

Tot Ion:	105	Resp:	41911
Ion Ratio	Lower	Upper	
105	100		
77	69.2	54.5	81.7
51	22.8	17.6	26.4

Manual Integrations
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#28

Naphthalene

Concen: 1.94 ng/ul

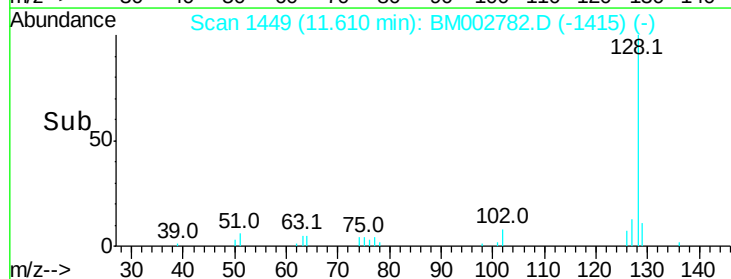
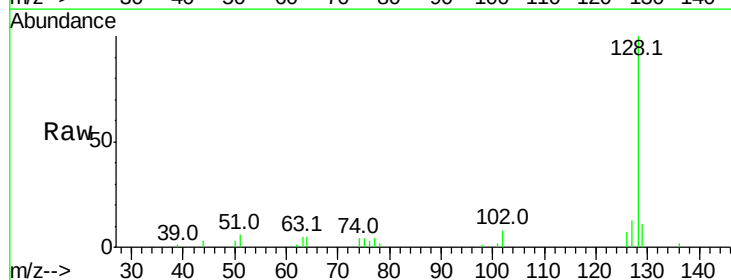
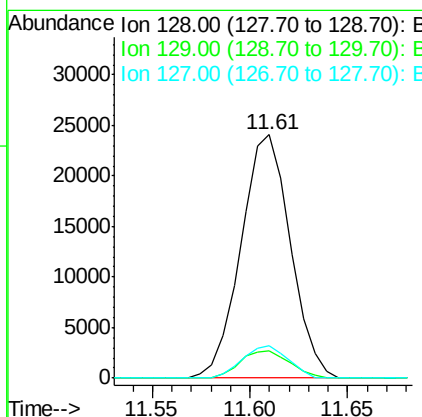
RT: 11.61 min Scan# 1449

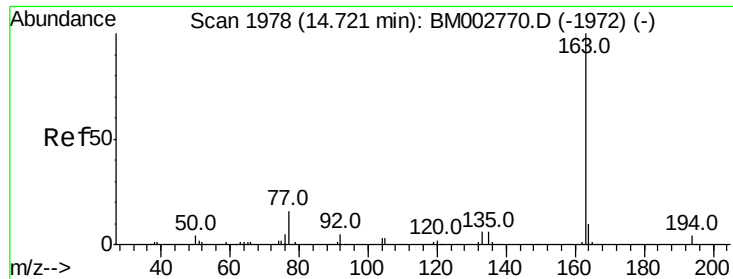
Delta R.T. -0.00 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

Tgt Ion:	128	Resp:	42242
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.7	13.1
127	13.2	9.9	14.9





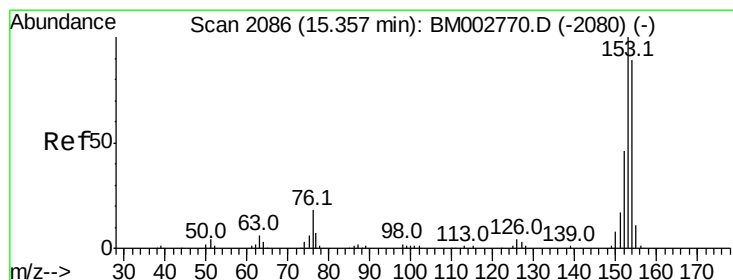
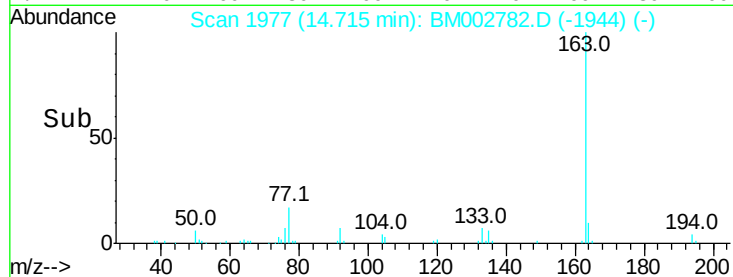
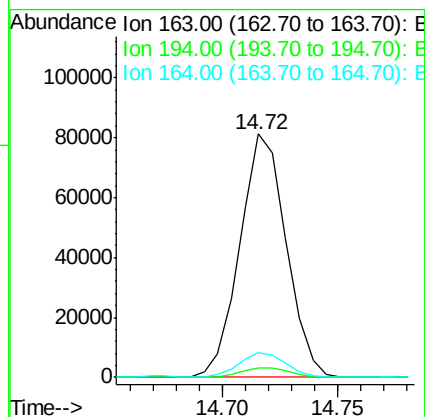
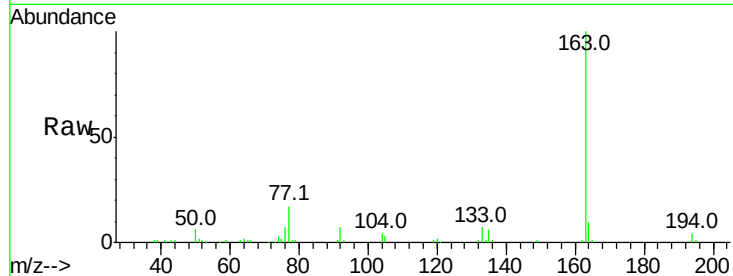
#45
Dimethylphthalate
Concen: 7.29 ng/ul
RT: 14.72 min Scan# 1977
Delta R.T. -0.01 min
Lab File: BM002782.D
Acq: 30 Sep 2015 13:16

Instrument :
BNA_M
ClientSampled :
E5MX1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	113753		
194	4.1	3.2	4.8	
164	9.9	8.1	12.1	

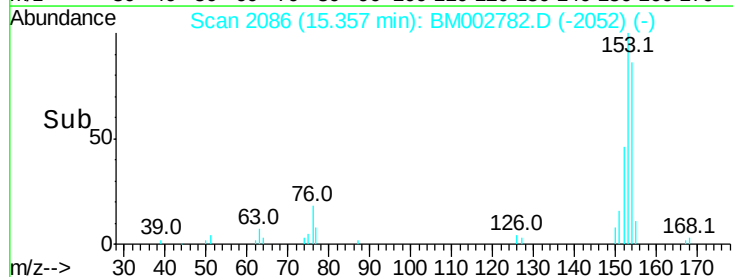
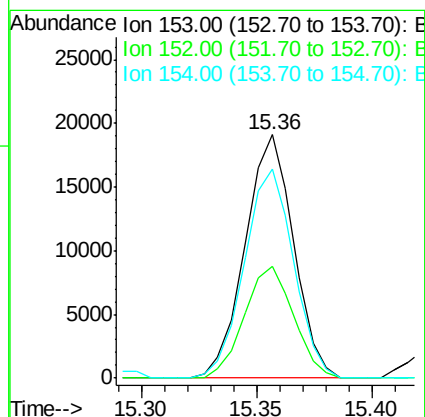
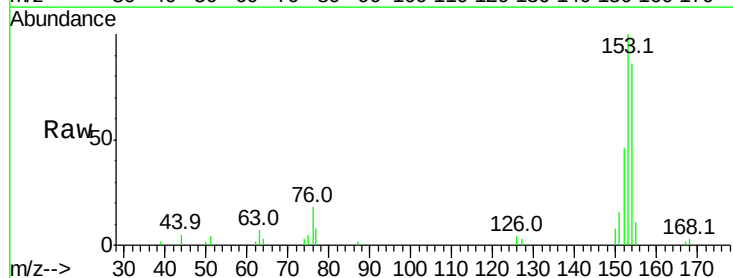
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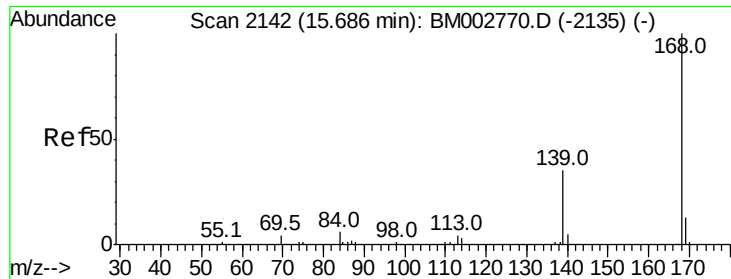
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#50
Acenaphthene
Concen: 1.95 ng/ul
RT: 15.36 min Scan# 2086
Delta R.T. -0.00 min
Lab File: BM002782.D
Acq: 30 Sep 2015 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	27896		
152	45.8	37.2	55.8	
154	85.9	71.9	107.9	





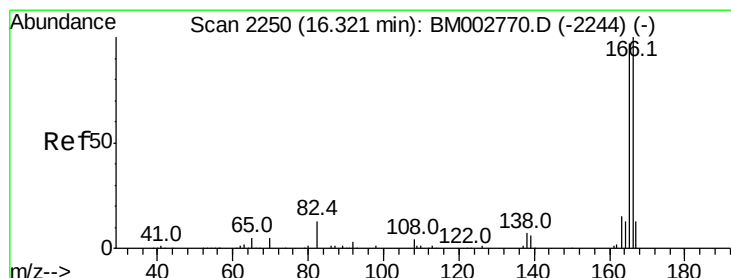
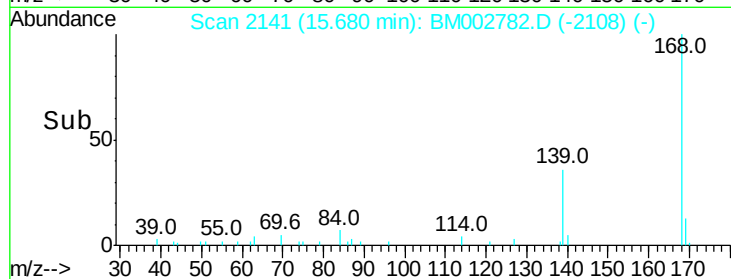
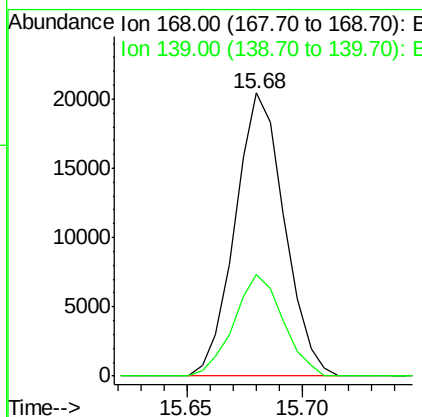
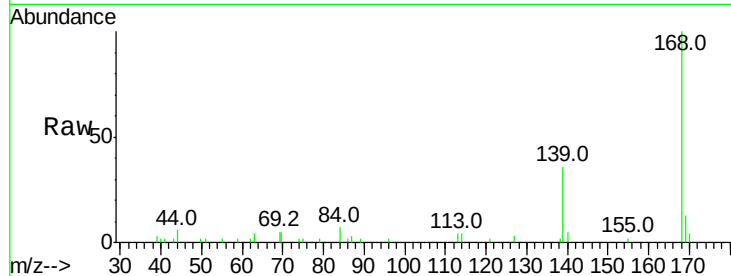
#54
Dibenzenofuran
Concen: 1.57 ng/ul
RT: 15.68 min Scan# 2141
Delta R.T. -0.01 min
Lab File: BM002782.D
Acq: 30 Sep 2015 13:16

Instrument :
BNA_M
ClientSampleId :
E5MX1

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.0	28.7	43.1

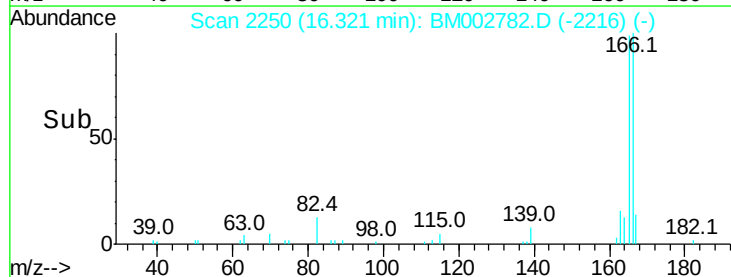
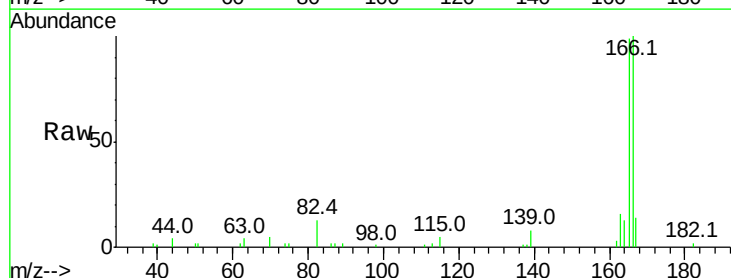
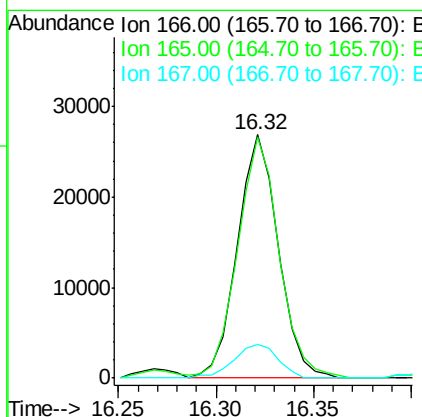
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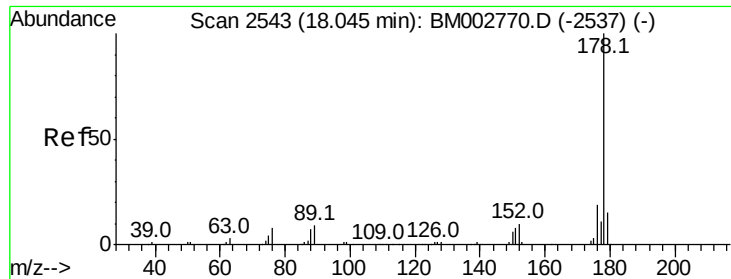
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#59
Fluorene
Concen: 2.46 ng/ul
RT: 16.32 min Scan# 2250
Delta R.T. -0.00 min
Lab File: BM002782.D
Acq: 30 Sep 2015 13:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.0	117.0
167	14.0	10.6	16.0





#70

Phenanthrene

Concen: 21.75 ng/ul

RT: 18.04 min Scan# 2543

Delta R.T. -0.00 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

Instrument :

BNA_M

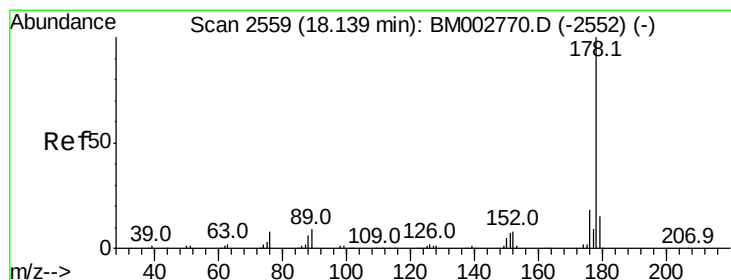
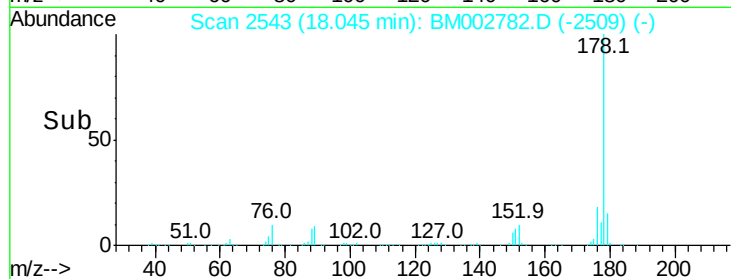
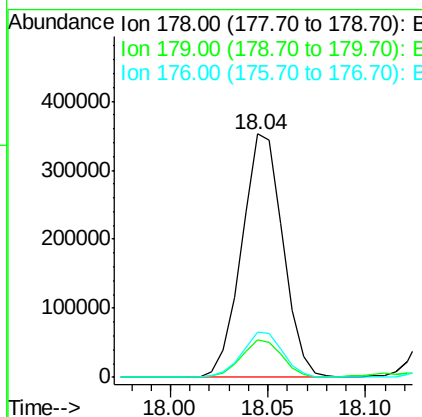
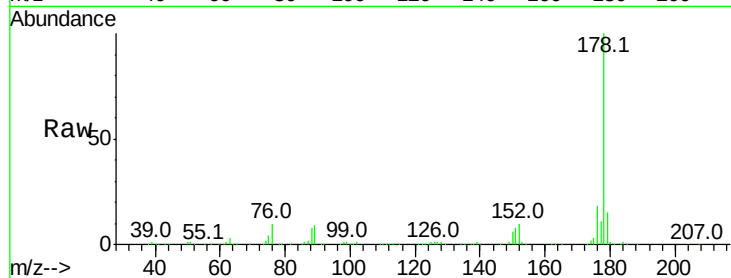
ClientSampleId :

E5MX1

Tot Ion:	178	Resp:	515932
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.0	18.0
176	18.4	14.6	22.0

Manual Integrations
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#72

Anthracene

Concen: 5.42 ng/ul

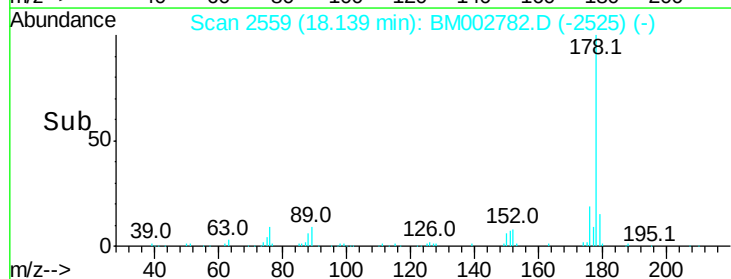
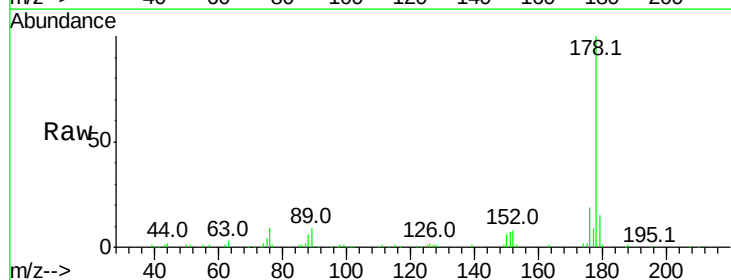
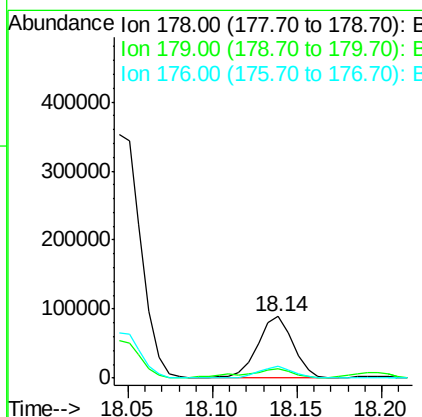
RT: 18.14 min Scan# 2559

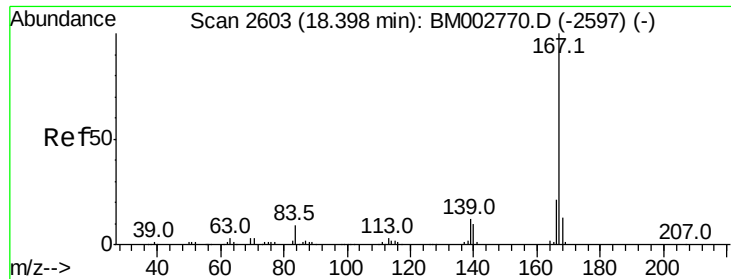
Delta R.T. -0.00 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

Tgt Ion:	178	Resp:	130805
Ion Ratio	Lower	Upper	
178	100		
179	15.5	11.9	17.9
176	18.6	14.4	21.6





#75

Carbazole

Concen: 2.88 ng/ul

RT: 18.40 min Scan# 2603

Delta R.T. -0.00 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

Instrument :

BNA_M

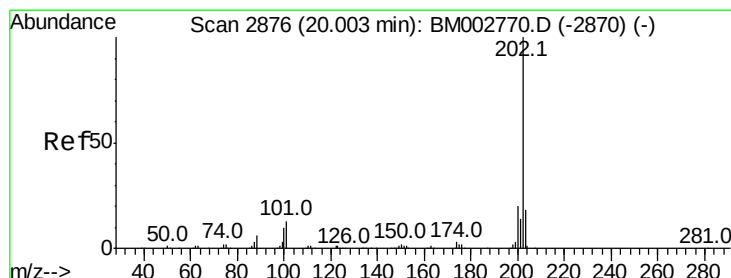
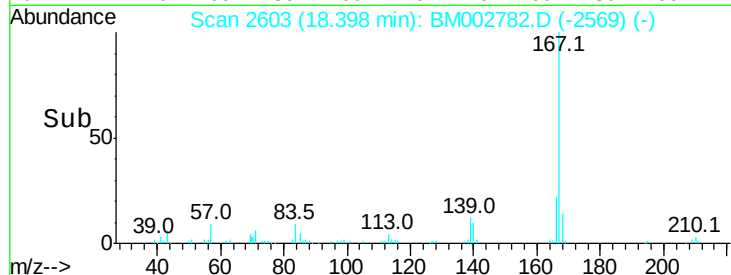
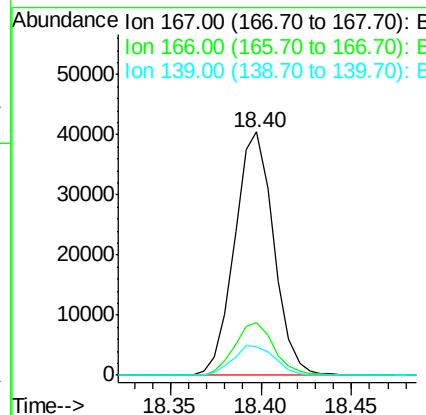
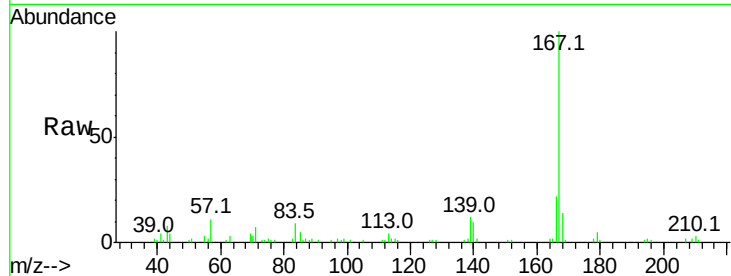
ClientSampled :

E5MX1

Tot Ion:	167	Resp:	60684
Ion Ratio	Lower	Upper	
167	100		
166	22.0	16.8	25.2
139	12.0	10.1	15.1

Manual Integrations
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#77

Fluoranthene

Concen: 31.66 ng/ul

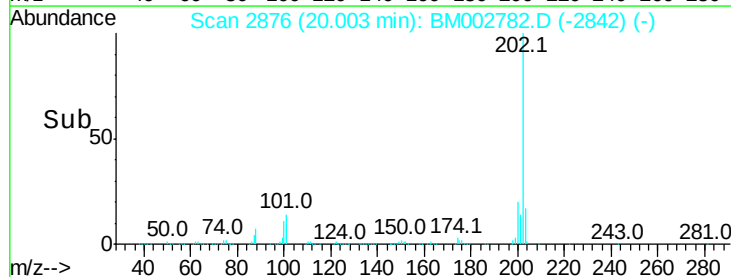
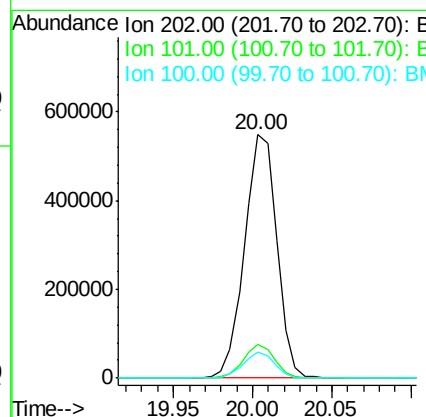
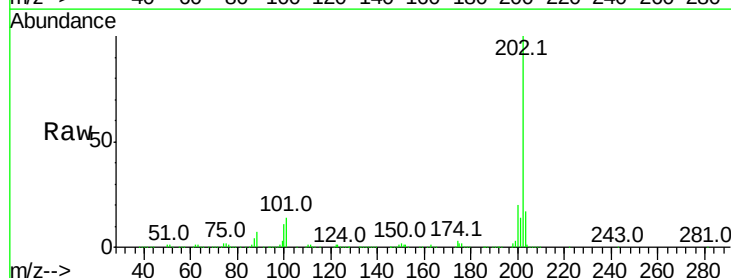
RT: 20.00 min Scan# 2876

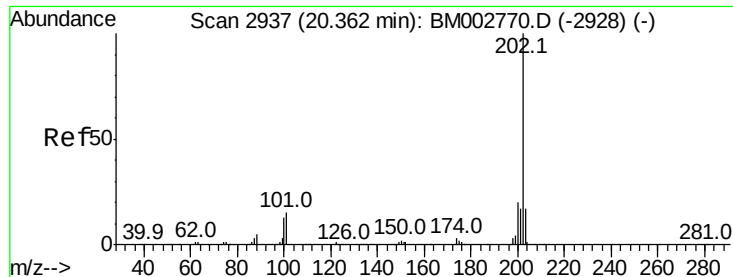
Delta R.T. -0.00 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

Tgt Ion:	202	Resp:	775471
Ion Ratio	Lower	Upper	
202	100		
101	13.7	11.0	16.4
100	10.8	8.3	12.5





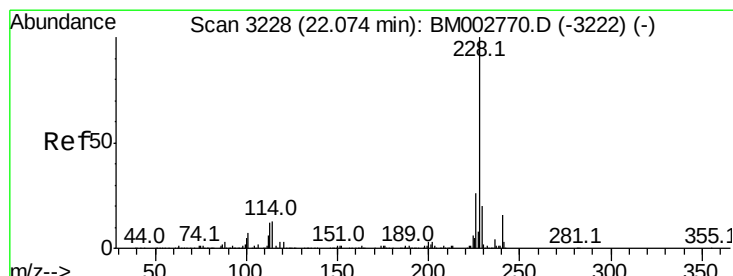
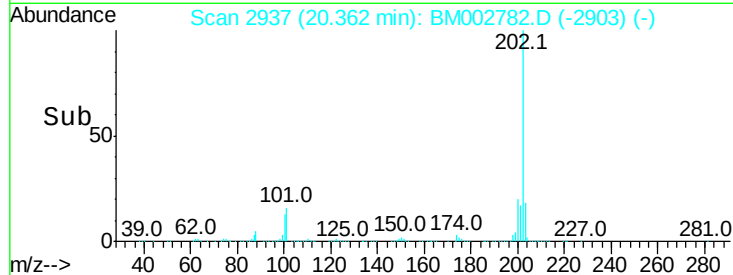
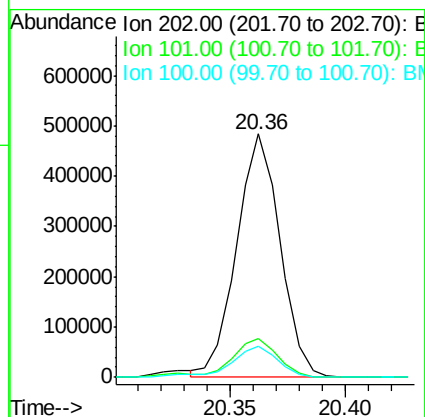
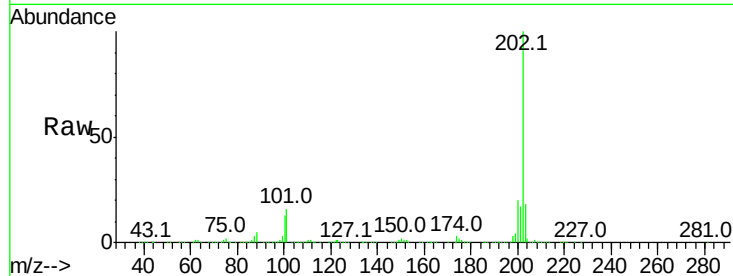
#80
 Pvrene
 Concen: 23.07 ng/ul
 RT: 20.36 min Scan# 2937
 Delta R.T. -0.00 min
 Lab File: BM002782.D
 Acq: 30 Sep 2015 13:16

Instrument :
 BNA_M
 ClientSampleId :
 E5MX1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	15.8	12.1	18.1
100	12.6	10.2	15.4

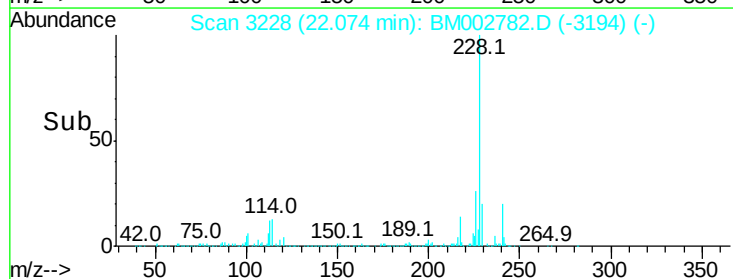
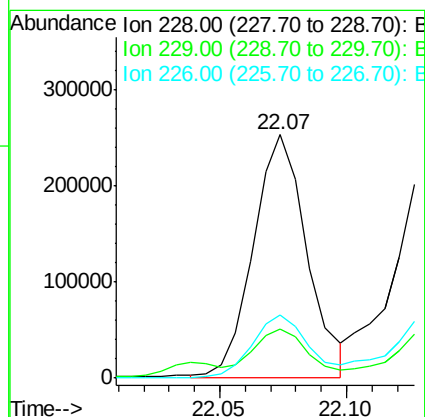
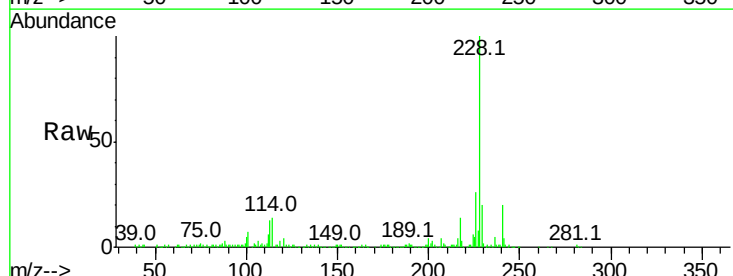
Manual Integrations
 APPROVED

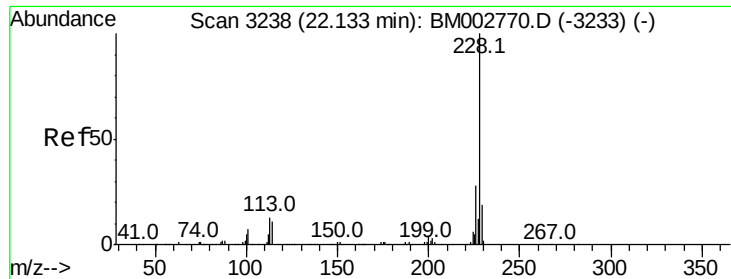
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#83
 Benzo(a)anthracene
 Concen: 14.57 ng/ul
 RT: 22.07 min Scan# 3228
 Delta R.T. -0.00 min
 Lab File: BM002782.D
 Acq: 30 Sep 2015 13:16

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.1	16.1	24.1
226	26.0	20.9	31.3





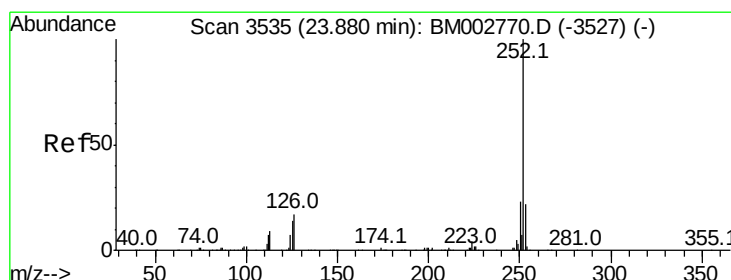
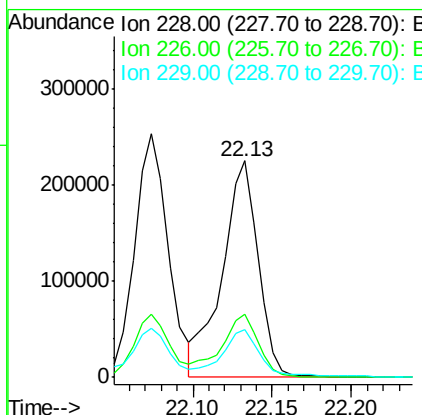
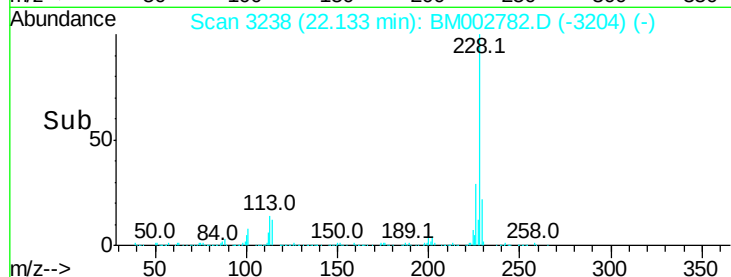
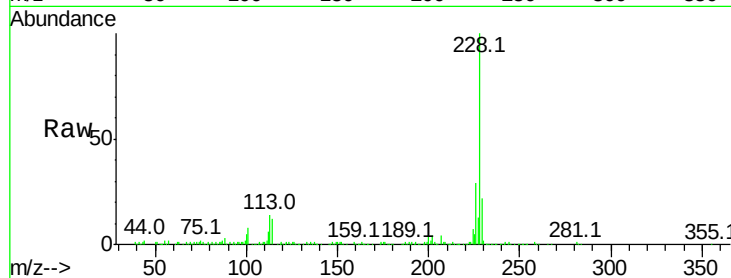
#85
Chrysene
Concen: 14.56 ng/ul
RT: 22.13 min Scan# 3238
Delta R.T. -0.00 min
Lab File: BM002782.D
Acq: 30 Sep 2015 13:16

Instrument :
BNA_M
ClientSampleId :
E5MX1

Tot Ion	Ratio	Resp	Lower	Upper
228	100	353195		
226	29.2		22.4	33.6
229	22.0		15.4	23.2

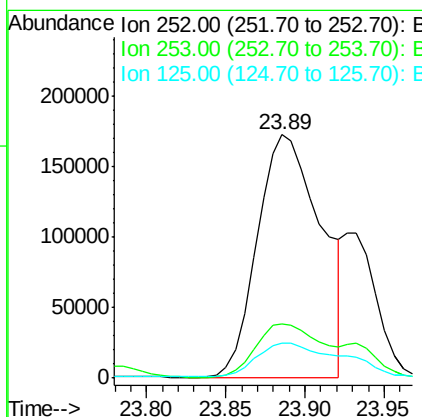
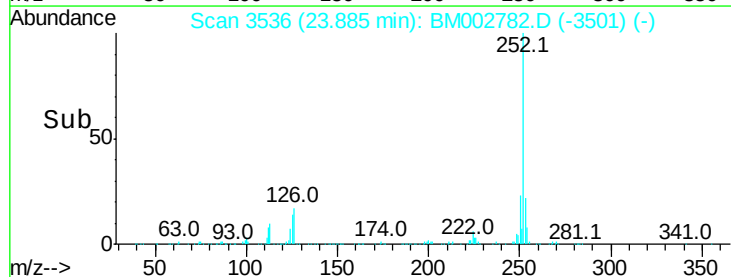
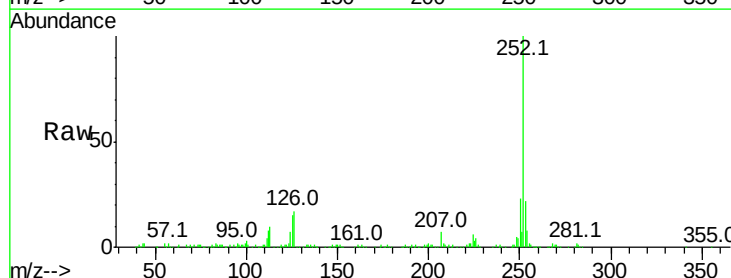
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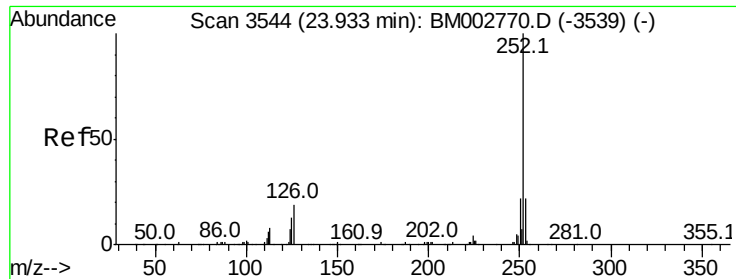
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9/30/2015 4:42:24 PM



#88
Benzo(b)fluoranthene
Concen: 17.88 ng/ul
RT: 23.89 min Scan# 3536
Delta R.T. 0.01 min
Lab File: BM002782.D
Acq: 30 Sep 2015 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	482684		
253	22.4		17.6	26.4
125	14.6		10.6	15.8





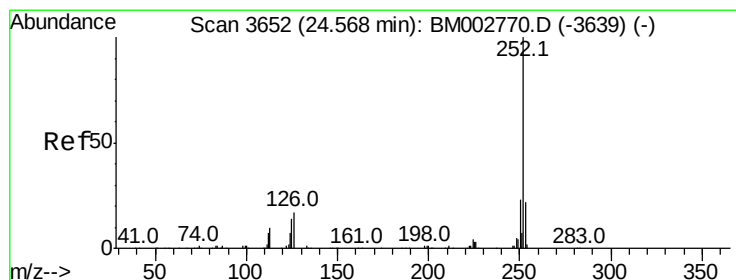
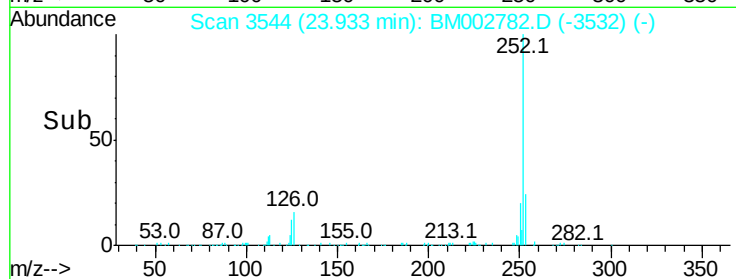
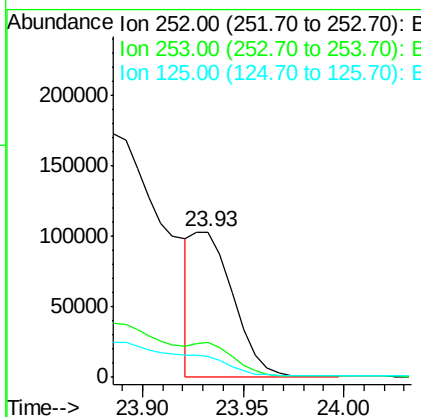
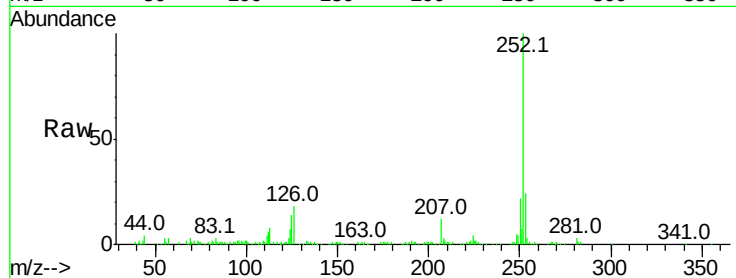
#89
Benzo(k)fluoranthene
Concen: 5.77 ng/ul m
RT: 23.93 min Scan# 3544
Delta R.T. -0.00 min
Lab File: BM002782.D
Acq: 30 Sep 2015 13:16

Instrument :
BNA_M
ClientSampleId :
E5MX1

Tot Ion	Ratio	Resp	Lower	Upper
252	100	147455		
253	23.9	17.3	25.9	
125	14.2	10.0	15.0	

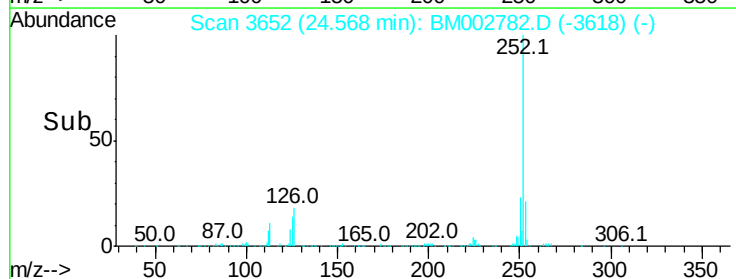
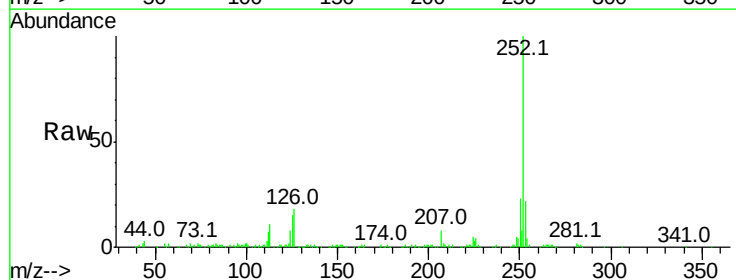
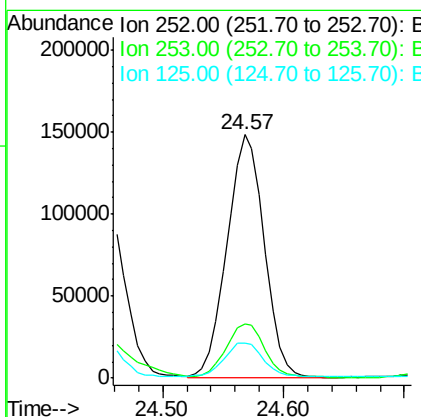
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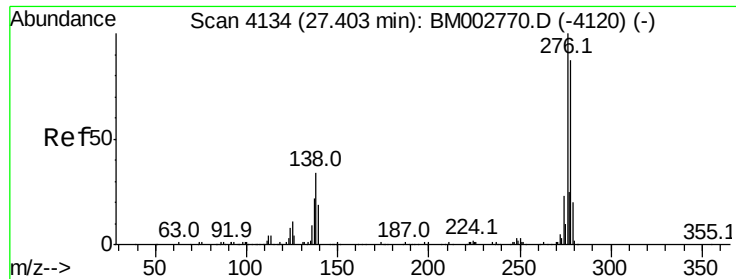
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9/30/2015 4:42:24 PM



#91
Benzo(a)pyrene
Concen: 12.16 ng/ul
RT: 24.57 min Scan# 3652
Delta R.T. -0.00 min
Lab File: BM002782.D
Acq: 30 Sep 2015 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	315328		
253	22.3	17.4	26.0	
125	14.6	11.4	17.2	





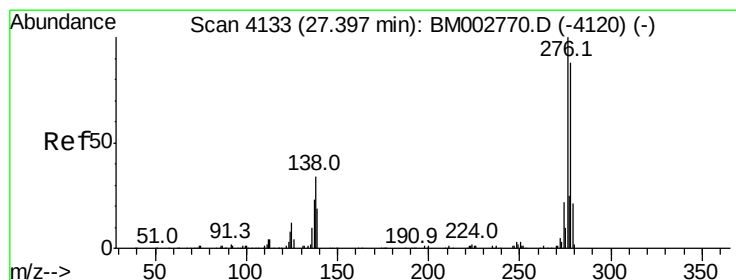
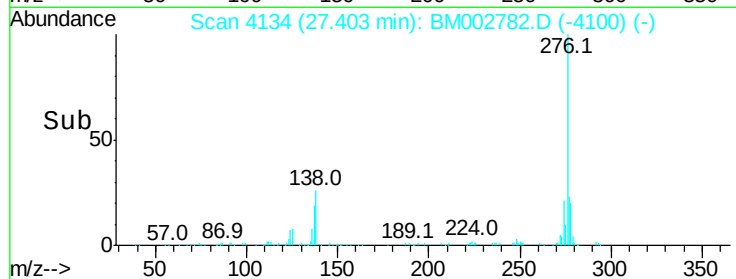
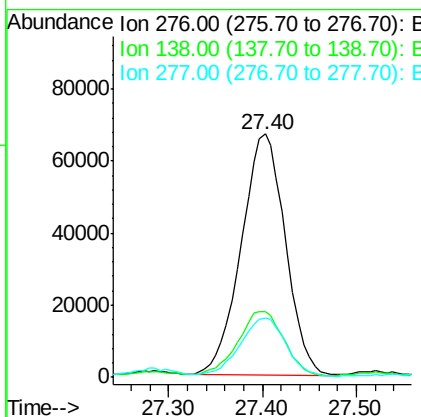
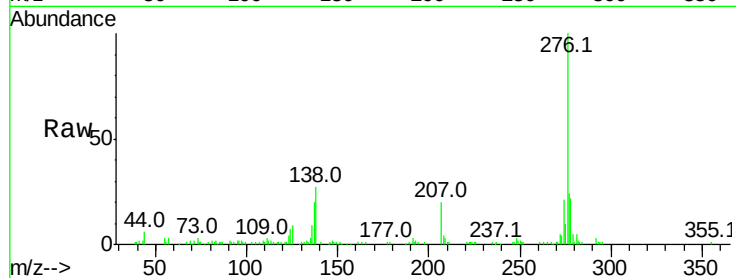
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 7.21 ng/ul
 RT: 27.40 min Scan# 4134
 Delta R.T. -0.00 min
 Lab File: BM002782.D
 Acq: 30 Sep 2015 13:16

Instrument :
 BNA_M
 ClientSampleId :
 E5MX1

Tot Ion	Ratio	Resp	Lower	Upper
276	100	218186		
138	26.8		27.7	41.5#
277	24.3		20.2	30.4

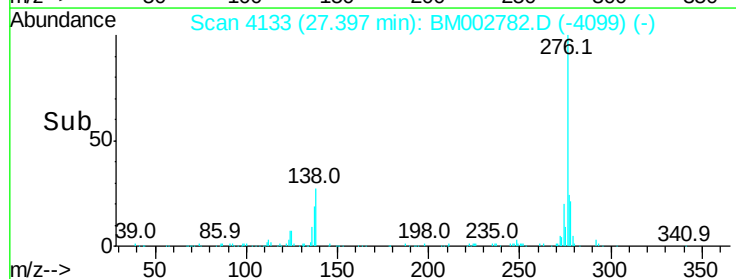
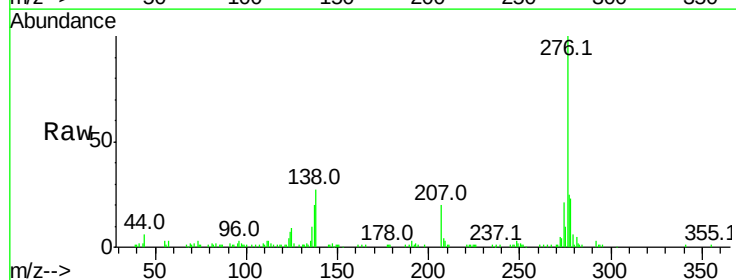
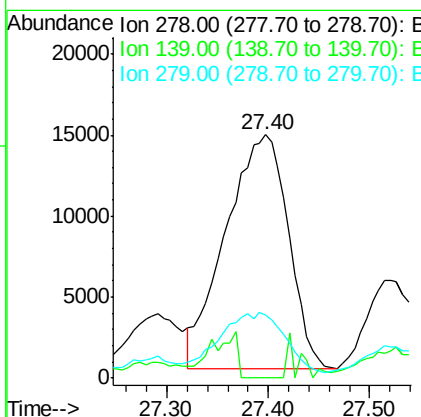
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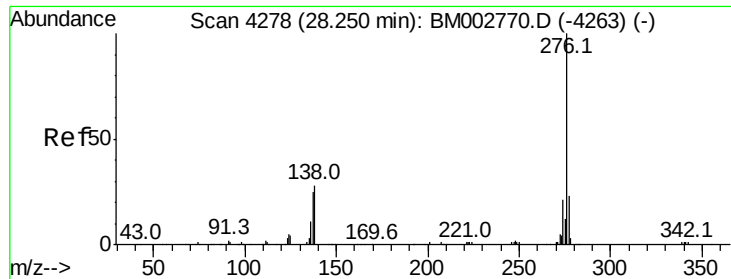
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 9/30/2015 4:42:24 PM



#93
 Dibenzo(a,h)anthracene
 Concen: 2.41 ng/ul
 RT: 27.40 min Scan# 4133
 Delta R.T. -0.00 min
 Lab File: BM002782.D
 Acq: 30 Sep 2015 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	61634		
139	0.0		17.0	25.6#
279	26.1		19.0	28.6





#94
 Benzo(a,h,i)perylene
 Concen: 6.92 ng/ul
 RT: 28.25 min Scan# 4278
 Delta R.T. -0.00 min
 Lab File: BM002782.D
 Acq: 30 Sep 2015 13:16

Instrument :
 BNA_M
 ClientSampleId :
 E5MX1

Tot Ion:	276	Resp:	176148
Ion Ratio		Lower	Upper
276	100		
138	28.4	21.8	32.8
277	23.3	18.9	28.3

Manual Integrations
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 9/30/2015 4:42:24 PM

