

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
 Data File : BM002136.D
 Acq On : 30 Jul 2015 14:51
 Operator : TP/UM
 Sample : G3030-19RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02K0RE

Manual Integrations
 APPROVED

MMDadoda
 8/3/2015 11:53:38 AM

Quant Time: Aug 10 12:50:34 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 31 01:27:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	144201	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	629276	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.26	164	382455	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.01	188	741032	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	694440	20.00	ng/ul	0.02
86) Perylene-d12	23.43	264	689410	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.05	96	9077	3.26	ng/uL	0.00
5) Phenol-d5	6.78	99	244764	23.74	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.93	67	130151	22.83	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	207321	23.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	202149	24.67	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	102734	22.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	120576	24.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	225071	23.51	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	136313	12.96	ng/ul	0.01
44) Dimethylphthalate-d6	13.67	166	645868	23.06	ng/ul	0.00
47) Acenaphthylene-d8	13.95	160	693151	19.79	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	76994	16.47	ng/ul	0.02
58) Fluorene-d10	15.26	176	450923	18.29	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	17137	3.78	ng/ul	0.01
71) Anthracene-d10	17.11	188	592487	17.91	ng/ul	0.00
79) Pyrene-d10	19.42	212	545472	18.66	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.29	264	545962	16.34	ng/ul	0.03

Target Compounds

						Qvalue
6) Phenol	6.80	94	41053	3.89	ng/ul	98
14) Acetophenone	8.42	105	25341	1.95	ng/ul	98
28) Naphthalene	10.43	128	65399	2.19	ng/ul	98
34) 2-Methylnaphthalene	12.05	142	36285	1.67	ng/ul	98
45) Dimethylphthalate	13.72	163	411297	14.70	ng/ul	100
48) Acenaphthylene	13.98	152	37987	1.05	ng/ul#	96
50) Acenaphthene	14.32	153	142770	6.03	ng/ul	98
54) Dibenzofuran	14.66	168	81828	2.41	ng/ul	94
59) Fluorene	15.31	166	101611	3.62	ng/ul	99
70) Phenanthrene	17.06	178	1503815	39.18	ng/ul	99
72) Anthracene	17.14	178	348020	8.87	ng/ul	99
75) Carbazole	17.42	167	192703	5.75	ng/ul	98
76) Di-n-butylphthalate	17.98	149	430212	10.77	ng/ul	97
77) Fluoranthene	19.09	202	2613064	58.96	ng/ul	99
80) Pyrene	19.45	202	2241998	59.33	ng/ul	98
81) Butylbenzylphthalate	20.35	149	87376	6.05	ng/ul	95
83) Benzo(a)anthracene	21.20	228	1312394	34.09	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.12	149	498594	22.56	ng/ul	100
85) Chrysene	21.26	228	1226074	34.04	ng/ul	96
87) Di-n-octyl phthalate	22.00	149	111827	2.83	ng/ul	100
88) Benzo(b)fluoranthene	22.77	252	1725513	44.54	ng/ul#	96
89) Benzo(k)fluoranthene	22.81	252	612955m	16.40	ng/ul	
91) Benzo(a)pyrene	23.34	252	1176136	31.45	ng/ul#	96

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 01:27:14 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Indeno(1,2,3-cd)pyrene	25.66	276	832510	19.32	ng/ul	96
93) Dibenzo(a,h)anthracene	25.66	278	229680	6.23	ng/ul#	90
94) Benzo(g,h,i)perylene	26.35	276	730821	20.23	ng/ul	98

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

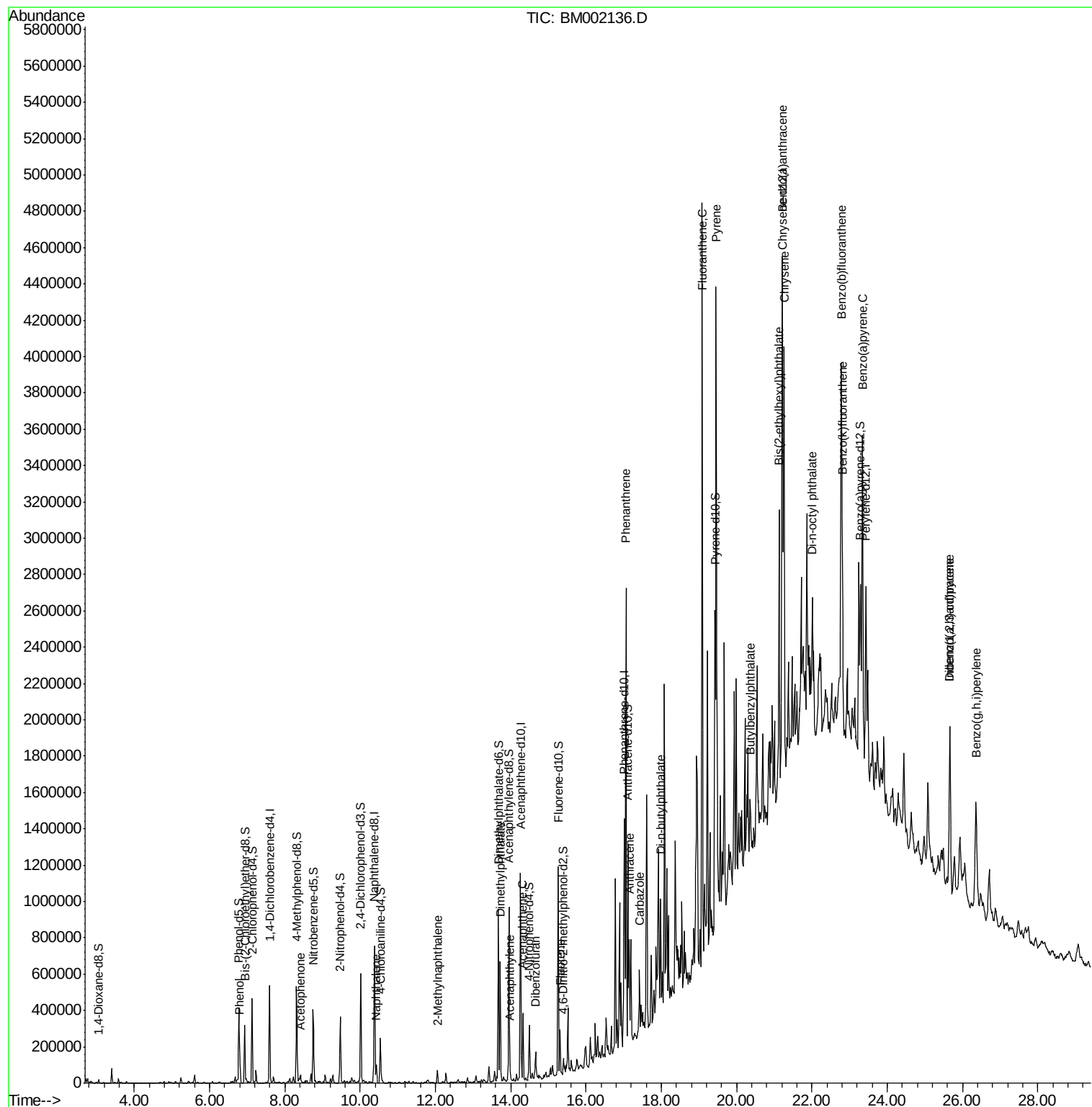
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
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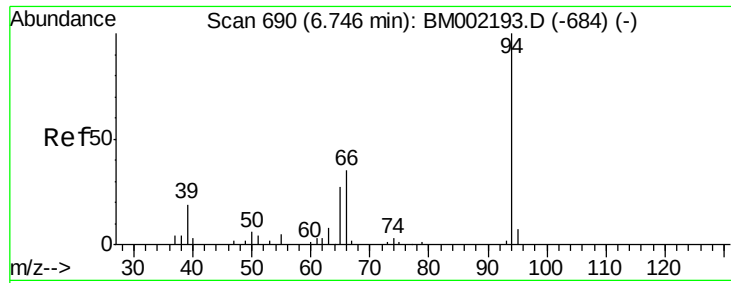
Instrument :
BNA_M
ClientSampled :
C02K0RE

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Quant Title : SVOA CALIBRATION
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#6

Phenol

Concen: 3.89 ng/ul

RT: 6.80 min Scan# 700

Delta R.T. 0.01 min

Lab File: BM002136.D

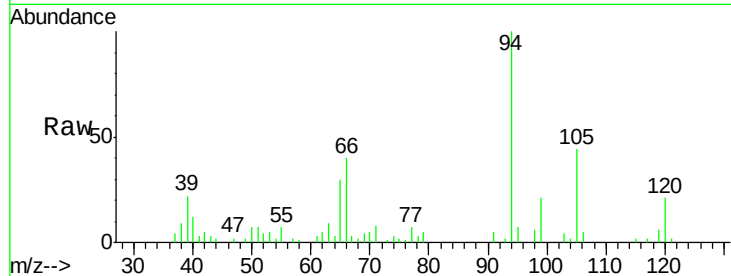
Acq: 30 Jul 2015 14:51

Instrument :

BNA_M

ClientSampleId :

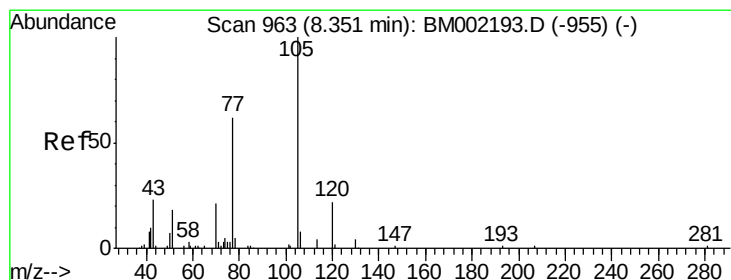
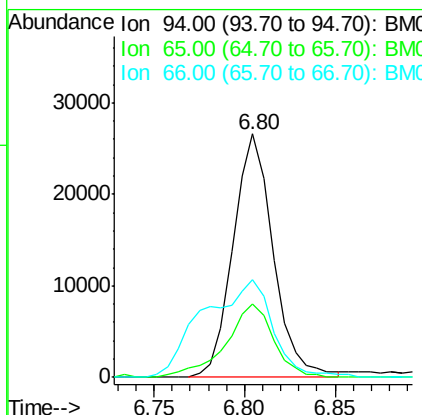
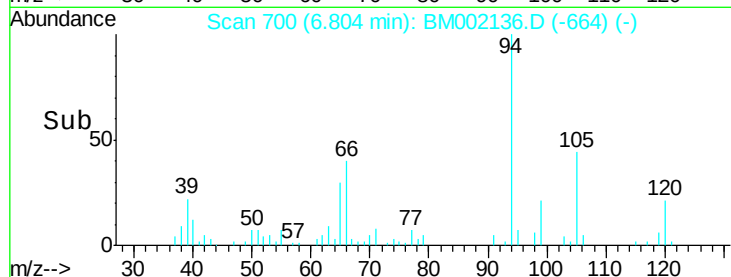
C02K0RE



Tgt Ion:	94	Resp:	41053
Ion	Ratio	Lower	Upper
94	100		
65	30.1	21.8	32.8
66	40.2	32.3	48.5

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#14

Acetophenone

Concen: 1.95 ng/ul

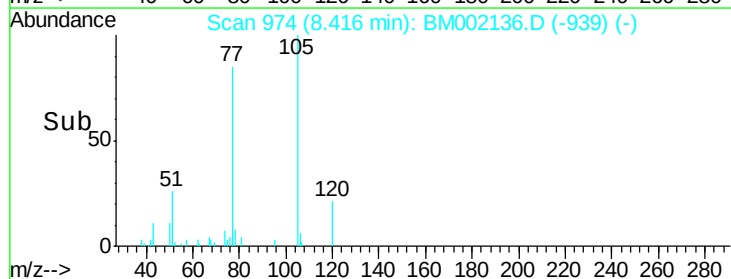
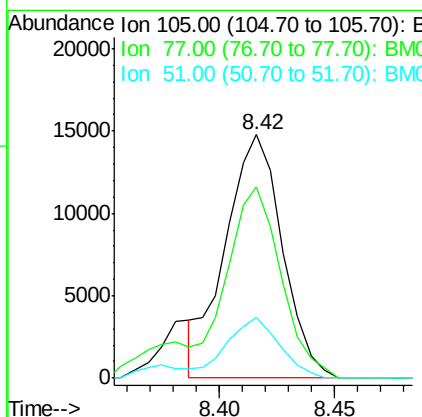
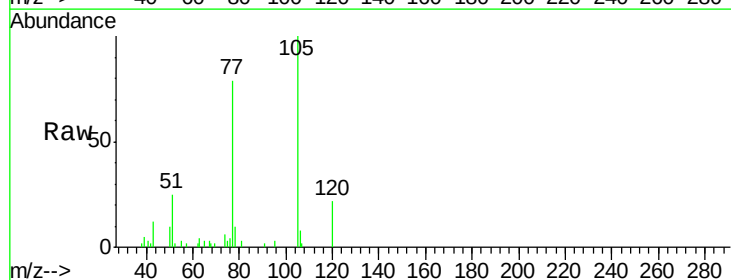
RT: 8.42 min Scan# 974

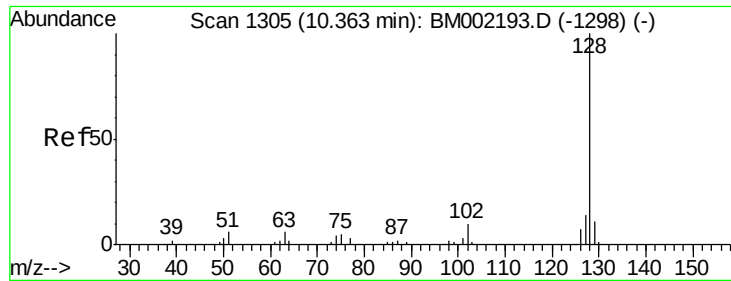
Delta R.T. 0.01 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

Tgt Ion:	105	Resp:	25341
Ion	Ratio	Lower	Upper
105	100		
77	78.8	61.8	92.8
51	24.8	18.5	27.7





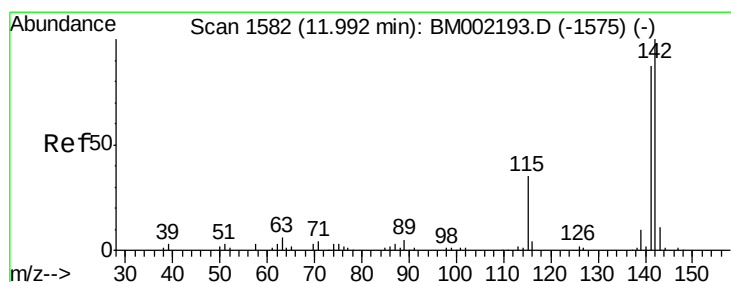
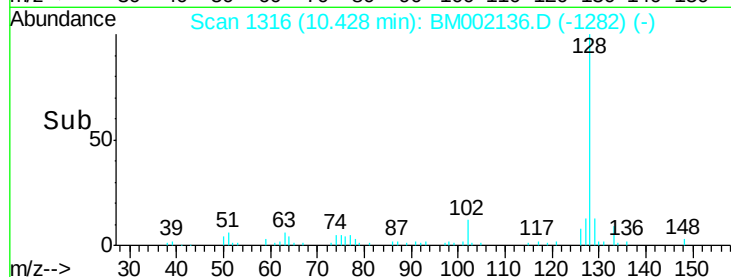
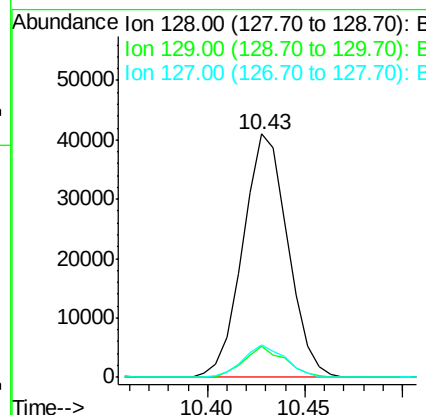
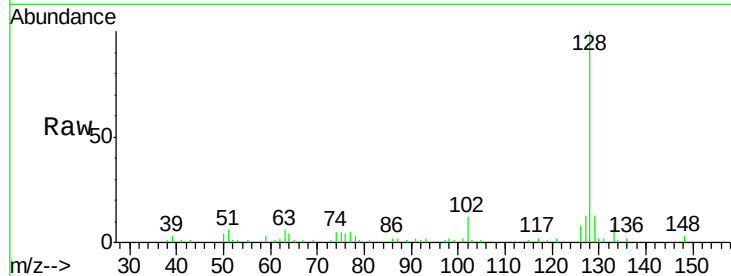
#28
Naphthalene
Concen: 2.19 ng/ul
RT: 10.43 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BM002136.D
Acq: 30 Jul 2015 14:51

Instrument :
BNA_M
ClientSampleId :
C02K0RE

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.6	9.0	13.4
127	13.3	10.2	15.4

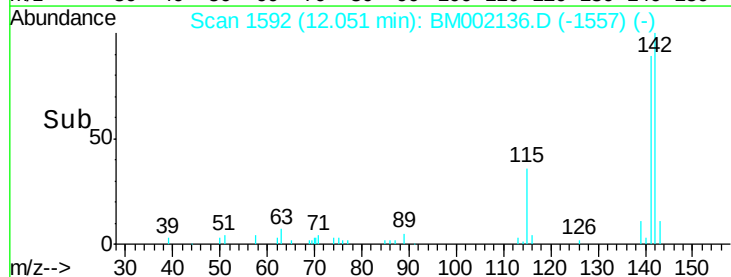
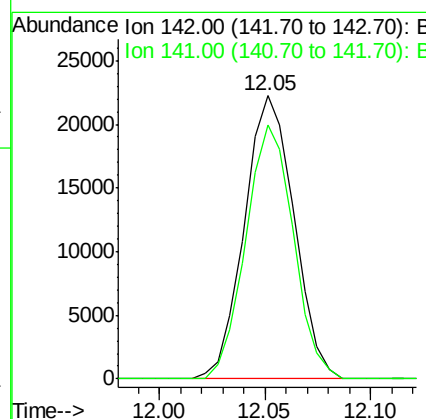
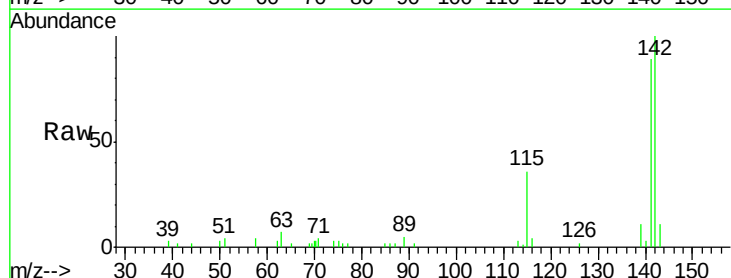
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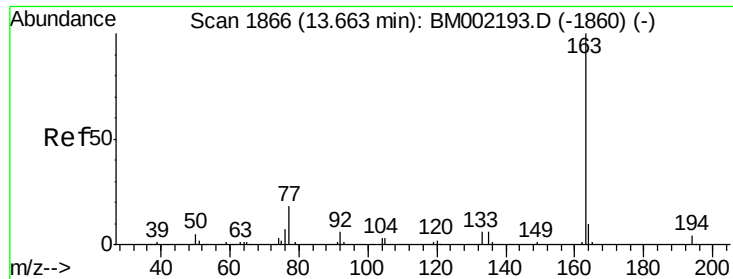
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#34
2-Methylnaphthalene
Concen: 1.67 ng/ul
RT: 12.05 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BM002136.D
Acq: 30 Jul 2015 14:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.5	69.8	104.6





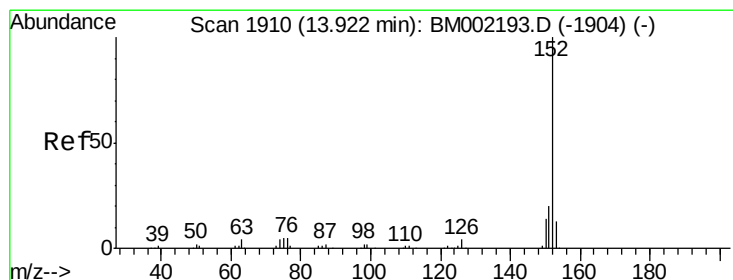
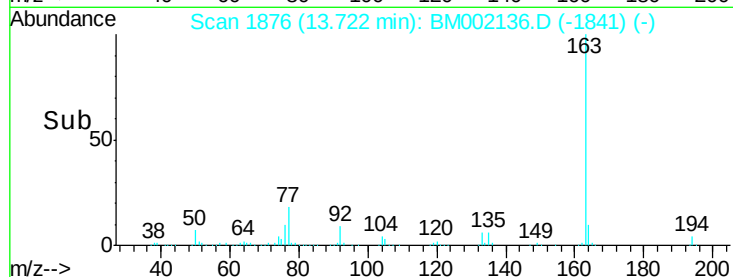
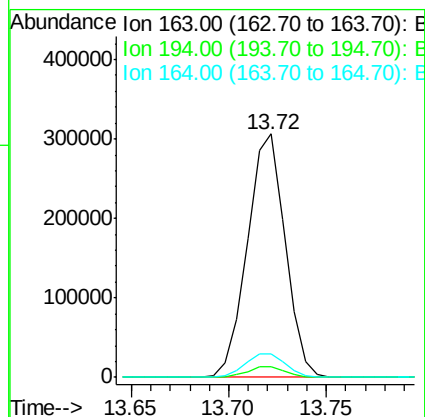
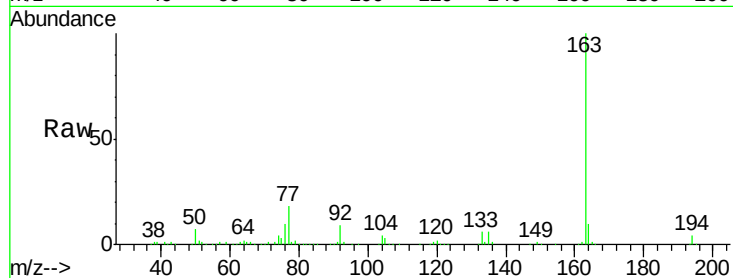
#45
Dimethylphthalate
Concen: 14.70 ng/ul
RT: 13.72 min Scan# 1876
Delta R.T. 0.01 min
Lab File: BM002136.D
Acq: 30 Jul 2015 14:51

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	411297		
194	4.3	3.5	5.3	
164	9.8	8.0	12.0	

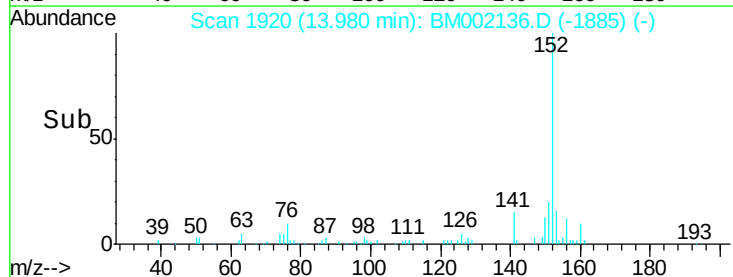
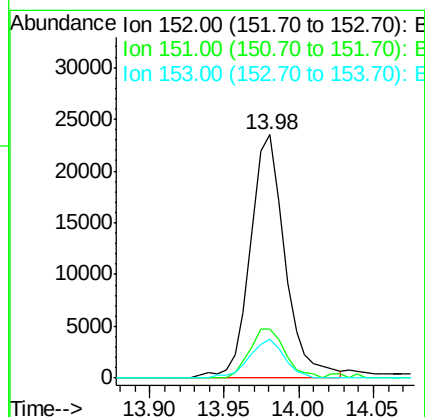
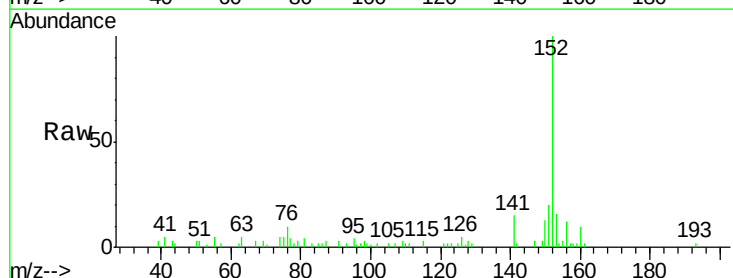
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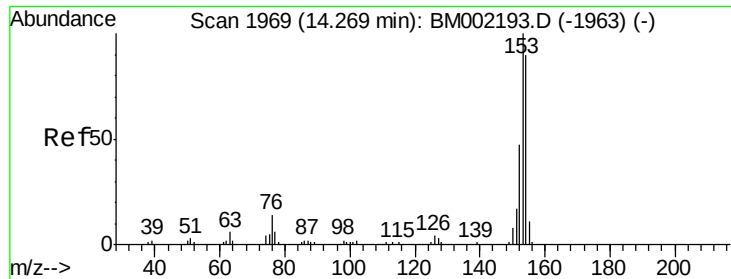
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#48
Acenaphthylene
Concen: 1.05 ng/ul
RT: 13.98 min Scan# 1920
Delta R.T. 0.01 min
Lab File: BM002136.D
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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	37987		
151	20.0	15.6	23.4	
153	16.2	10.3	15.5	





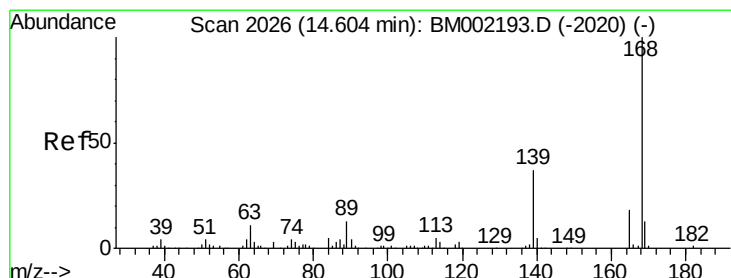
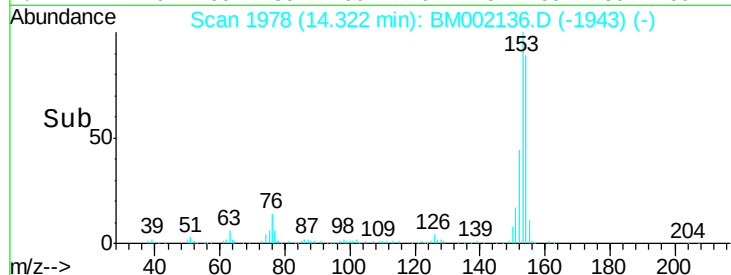
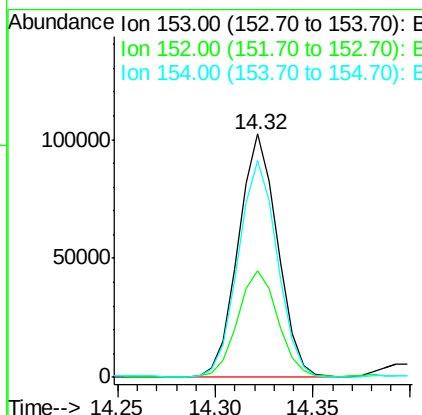
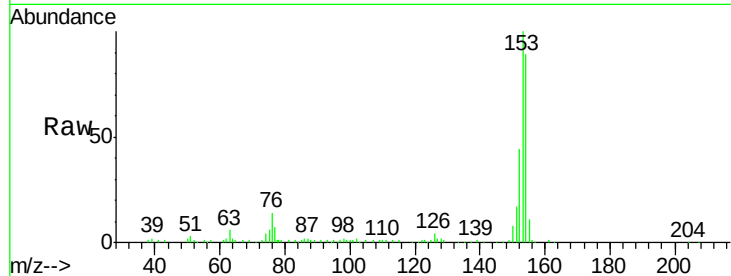
#50
Acenaphthene
Concen: 6.03 ng/ul
RT: 14.32 min Scan# 1978
Delta R.T. 0.01 min
Lab File: BM002136.D
Acq: 30 Jul 2015 14:51

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
153	100		
152	43.6	37.3	55.9
154	88.8	71.4	107.2

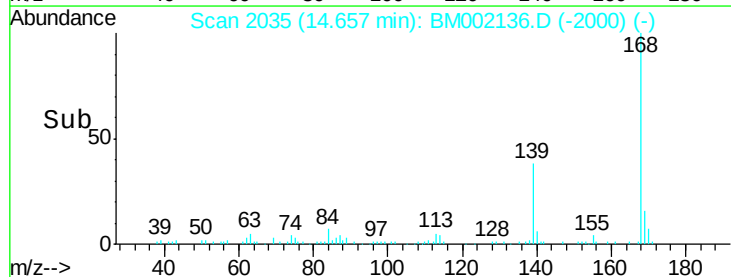
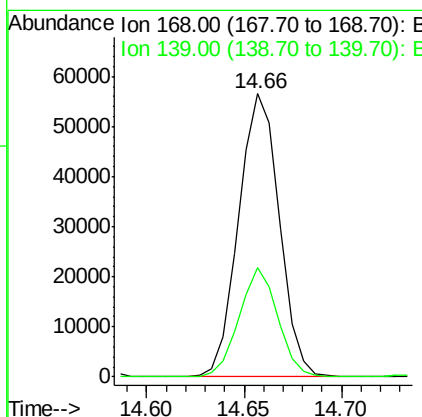
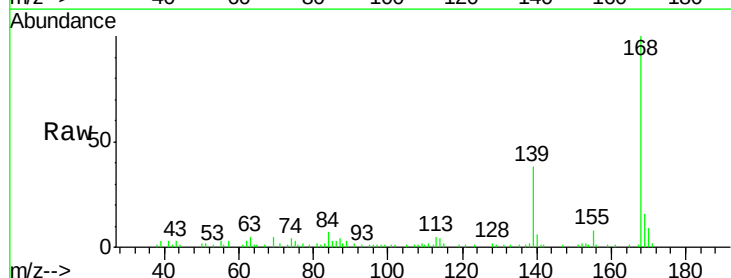
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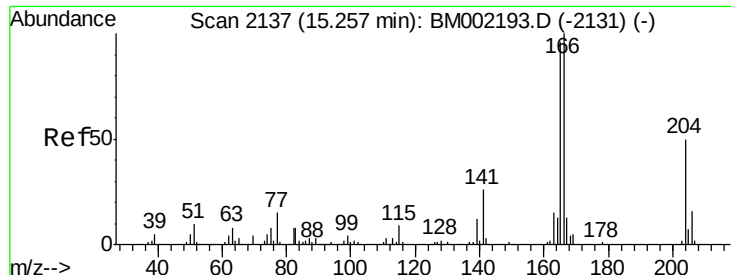
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#54
Dibenzofuran
Concen: 2.41 ng/ul
RT: 14.66 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BM002136.D
Acq: 30 Jul 2015 14:51

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.5	28.2	42.2





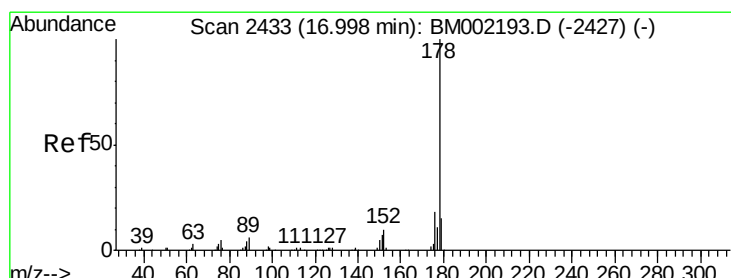
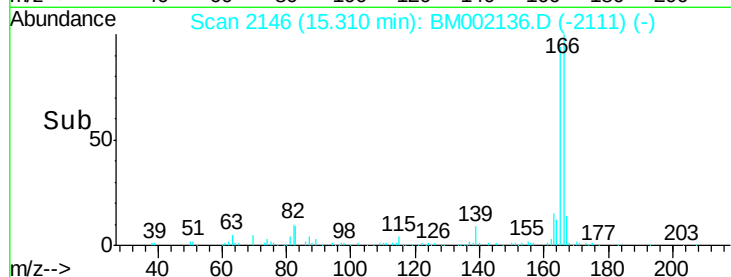
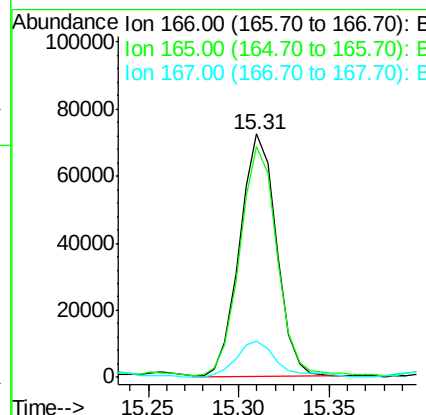
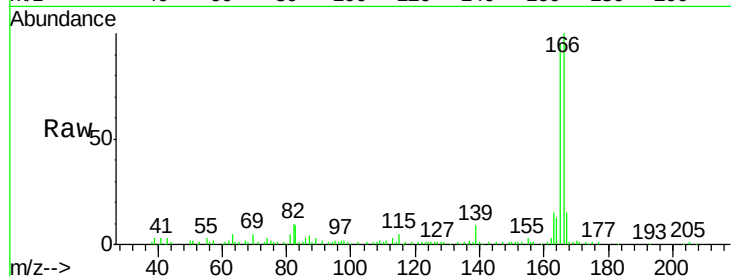
#59
 Fluorene
 Concen: 3.62 ng/ul
 RT: 15.31 min Scan# 2146
 Delta R.T. 0.01 min
 Lab File: BM002136.D
 Acq: 30 Jul 2015 14:51

Instrument :
 BNA_M
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 C02K0RE

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	101611		
165	95.0	75.6	113.4	
167	15.1	10.5	15.7	

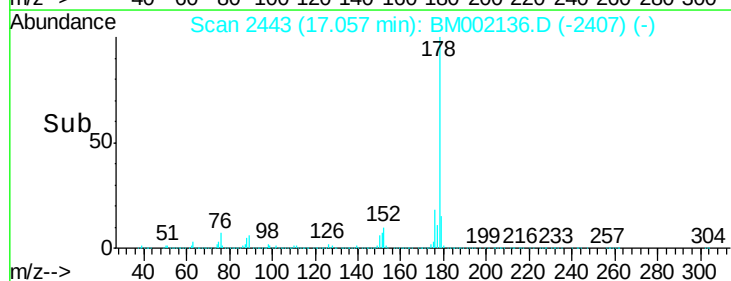
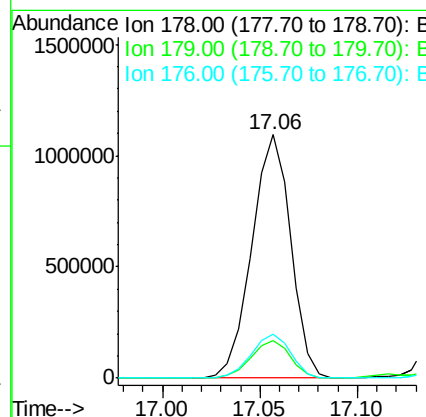
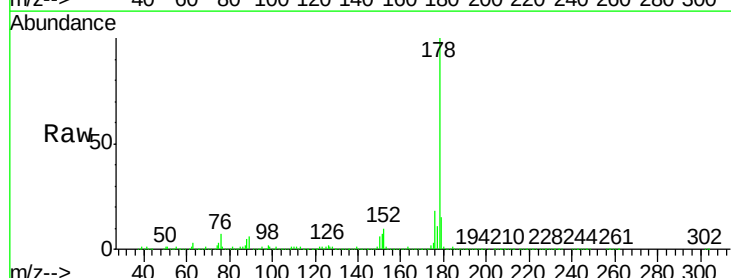
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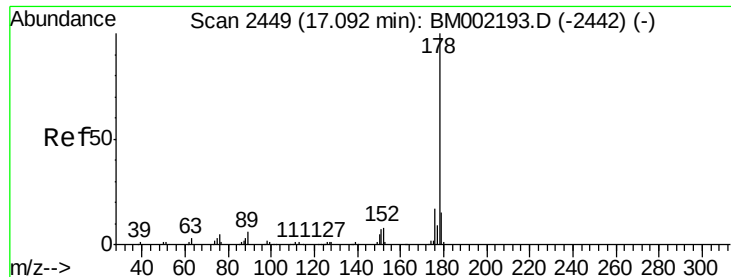
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#70
 Phenanthrene
 Concen: 39.18 ng/ul
 RT: 17.06 min Scan# 2443
 Delta R.T. 0.01 min
 Lab File: BM002136.D
 Acq: 30 Jul 2015 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1503815		
179	15.2	12.5	18.7	
176	18.1	14.2	21.4	





#72

Anthracene

Concen: 8.87 ng/ul

RT: 17.14 min Scan# 2458

Delta R.T. 0.01 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

Instrument :

BNA_M

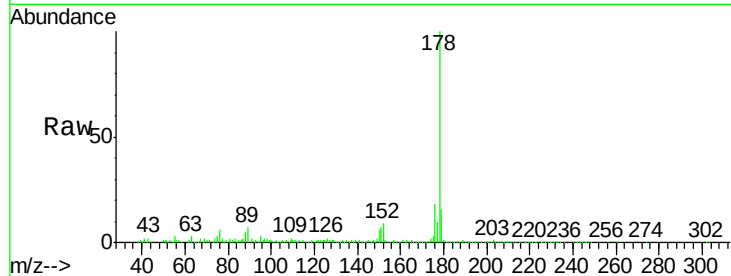
ClientSampleId :

C02K0RE

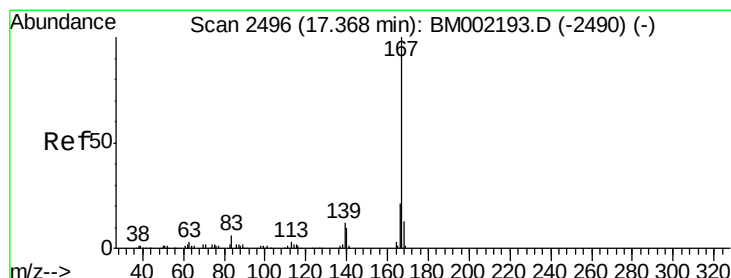
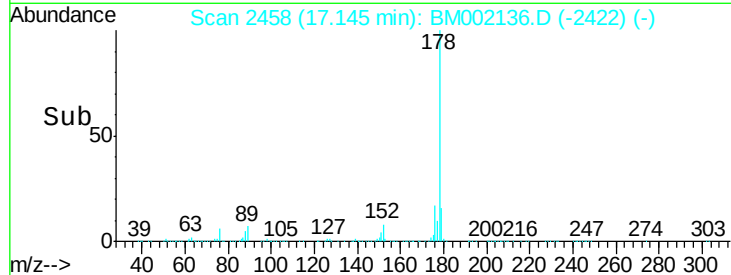
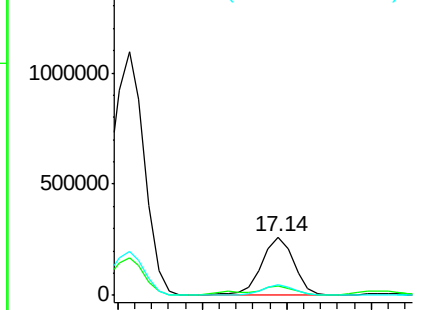
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Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.1	18.1
176	17.5	14.1	21.1



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



#75

Carbazole

Concen: 5.75 ng/ul

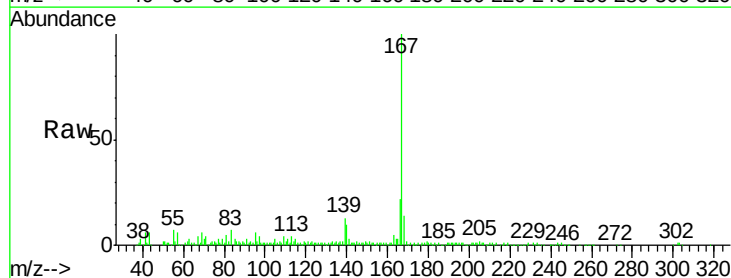
RT: 17.42 min Scan# 2505

Delta R.T. 0.01 min

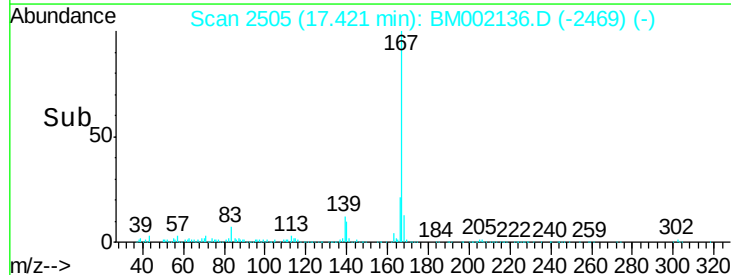
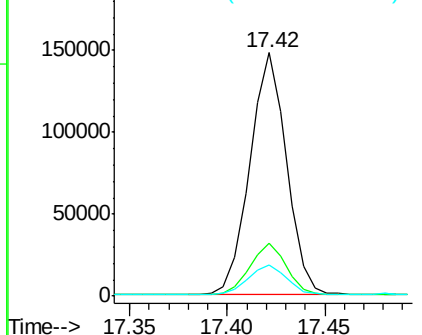
Lab File: BM002136.D

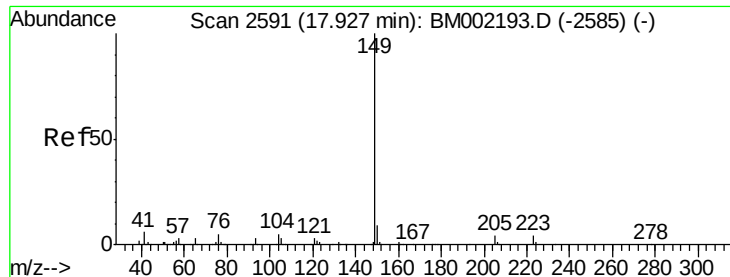
Acq: 30 Jul 2015 14:51

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	16.2	24.4
139	12.7	9.6	14.4



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





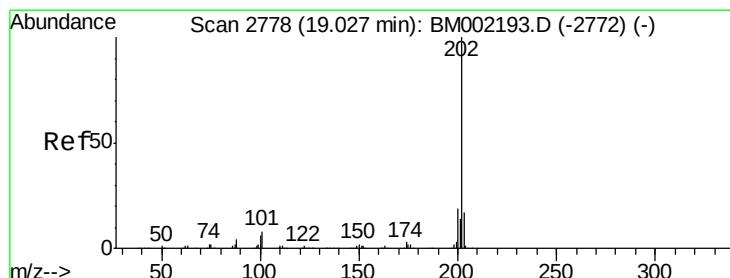
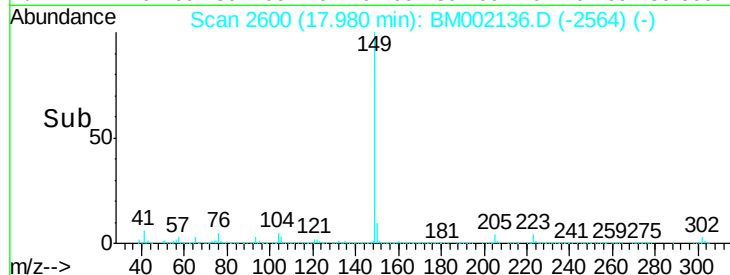
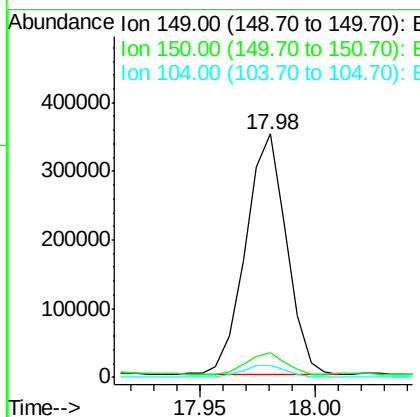
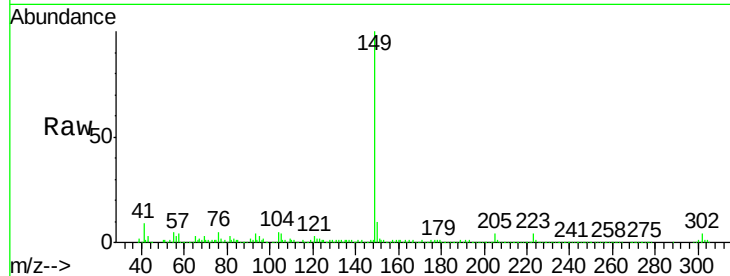
#76
Di-n-butylphthalate
Concen: 10.77 ng/ul
RT: 17.98 min Scan# 2600
Delta R.T. 0.01 min
Lab File: BM002136.D
Acq: 30 Jul 2015 14:51

Instrument :
BNA_M
ClientSampleId :
C02K0RE

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	430212		
150	10.1	7.0	10.4	
104	5.1	4.2	6.2	

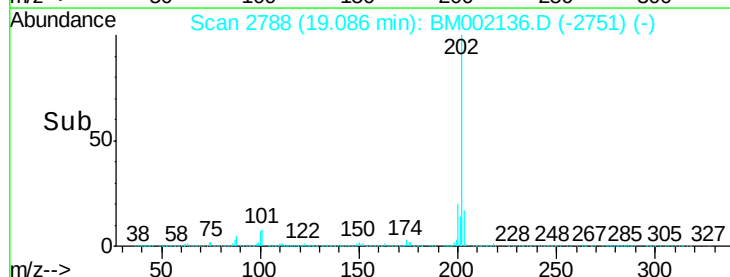
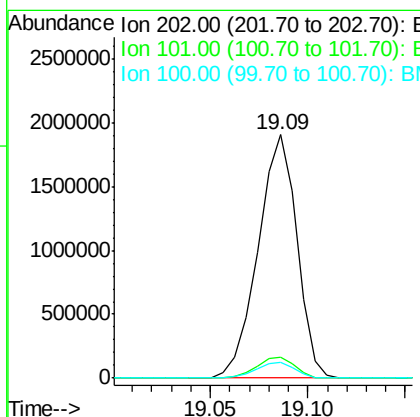
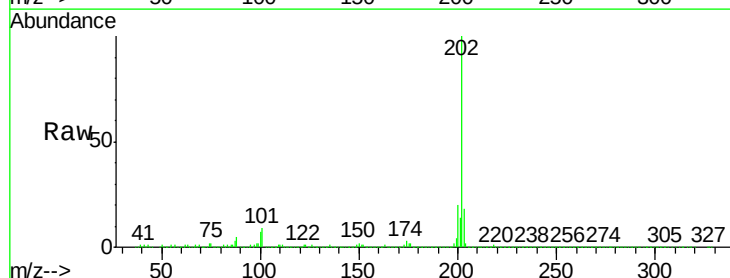
Manual Integrations
APPROVED

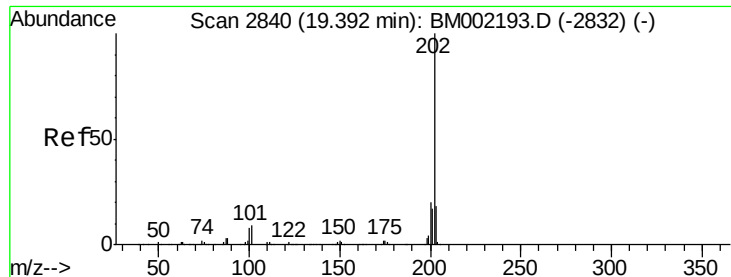
MMDadoda
8/3/2015 11:53:38 AM



#77
Fluoranthene
Concen: 58.96 ng/ul
RT: 19.09 min Scan# 2788
Delta R.T. 0.02 min
Lab File: BM002136.D
Acq: 30 Jul 2015 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2613064		
101	8.6	6.2	9.4	
100	6.6	5.2	7.8	





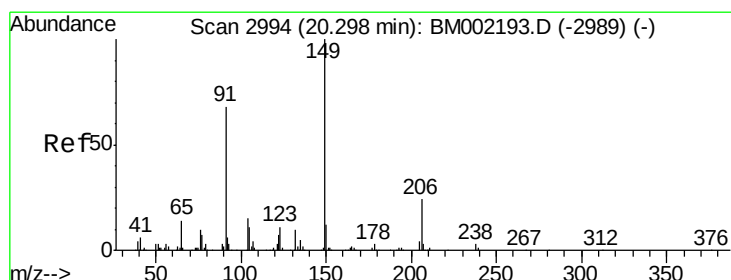
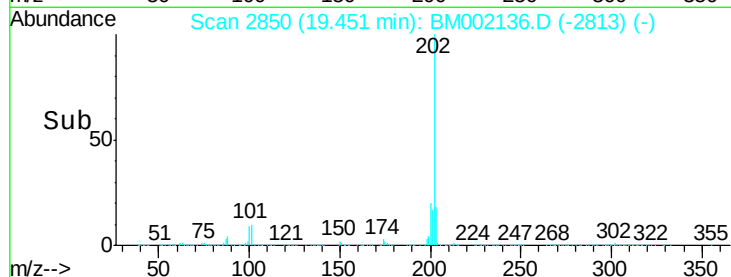
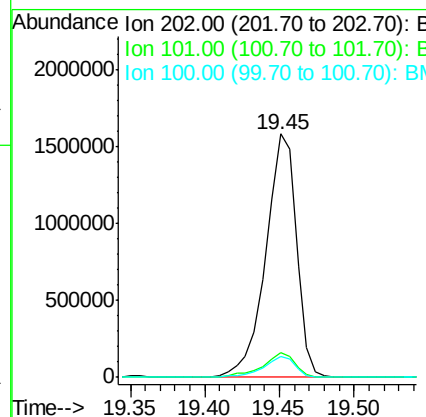
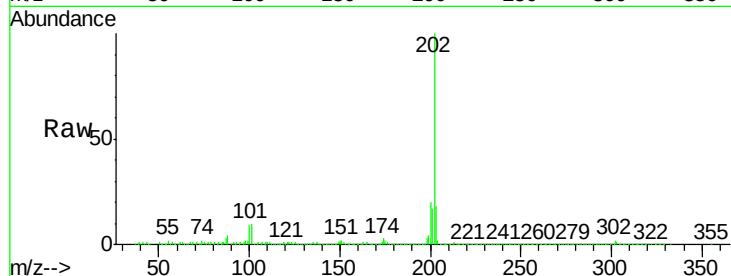
#80
 Pyrene
 Concen: 59.33 ng/ul
 RT: 19.45 min Scan# 2850
 Delta R.T. 0.02 min
 Lab File: BM002136.D
 Acq: 30 Jul 2015 14:51

Instrument :
 BNA_M
 ClientSampleId :
 C02K0RE

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2241998		
101	10.4		7.4	11.2
100	8.6		6.3	9.5

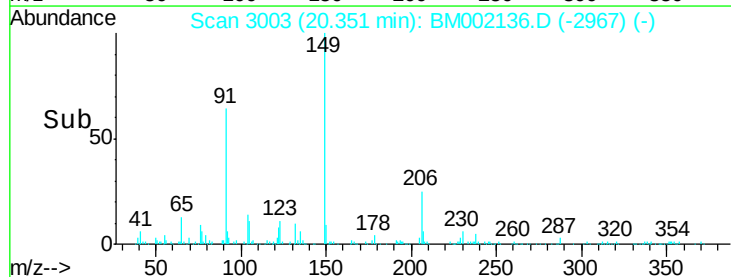
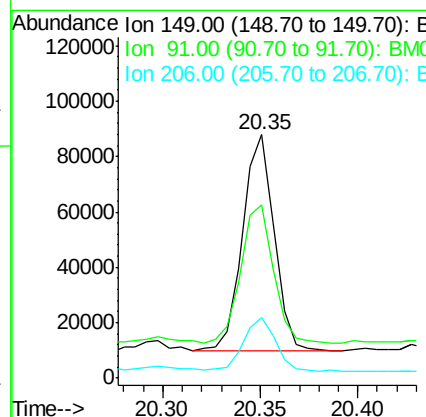
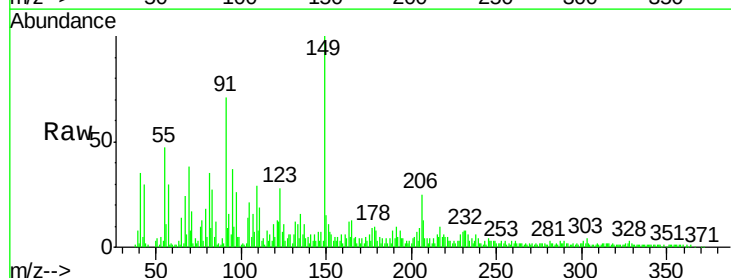
Manual Integrations
 APPROVED

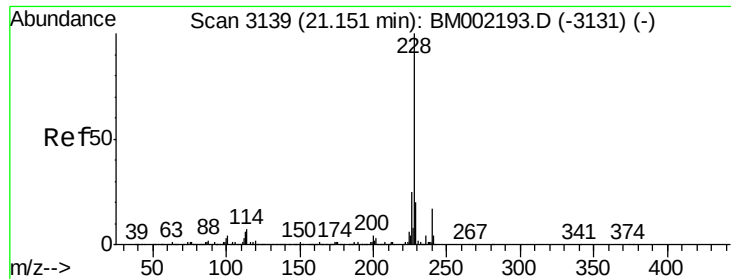
MMDadoda
 8/3/2015 11:53:38 AM



#81
 Butylbenzylphthalate
 Concen: 6.05 ng/ul
 RT: 20.35 min Scan# 3003
 Delta R.T. 0.01 min
 Lab File: BM002136.D
 Acq: 30 Jul 2015 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	87376		
91	71.3		52.4	78.6
206	24.7		19.9	29.9





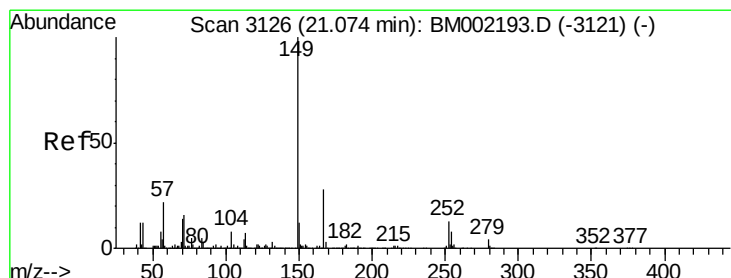
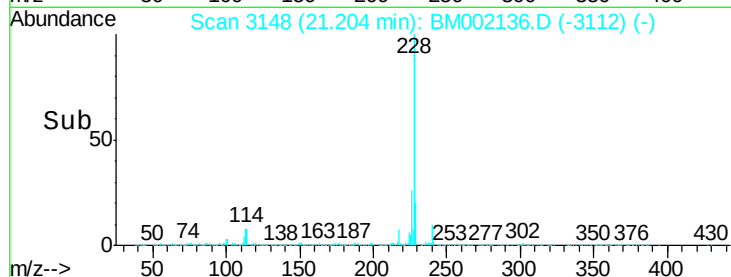
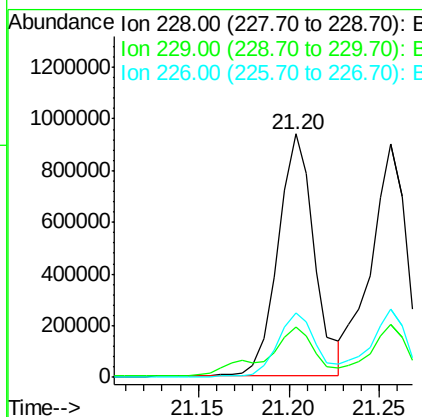
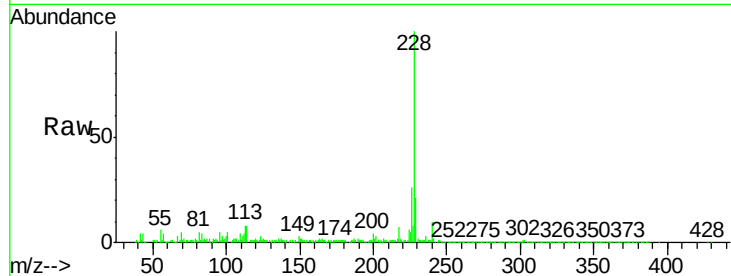
#83
Benzo(a)anthracene
Concen: 34.09 ng/ul
RT: 21.20 min Scan# 3148
Delta R.T. 0.01 min
Lab File: BM002136.D
Acq: 30 Jul 2015 14:51

Instrument :
BNA_M
ClientSampleId :
C02K0RE

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.4	23.2
226	26.3	20.5	30.7

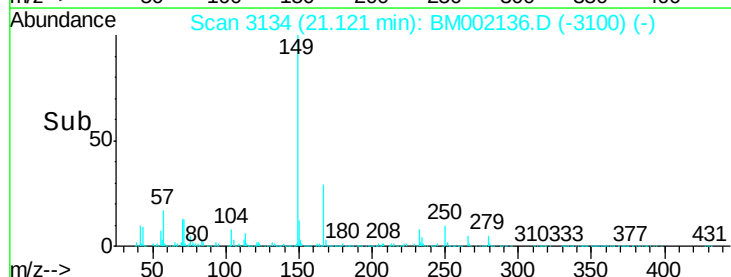
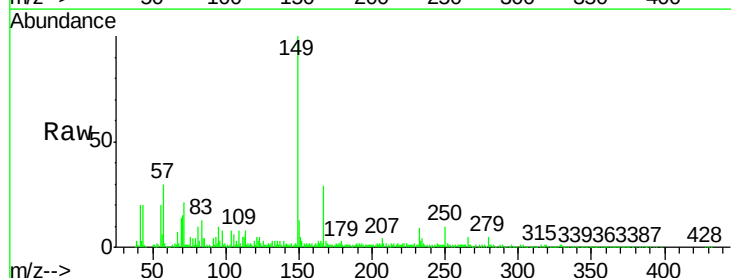
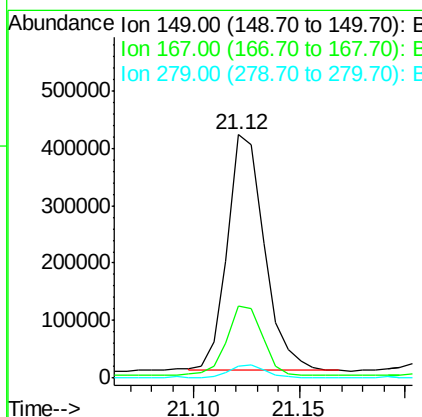
Manual Integrations
APPROVED

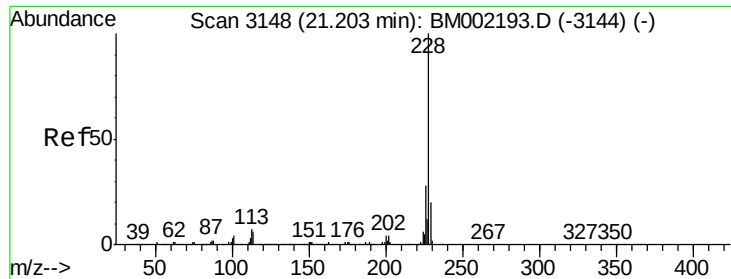
MMDadoda
8/3/2015 11:53:38 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 22.56 ng/ul
RT: 21.12 min Scan# 3134
Delta R.T. 0.00 min
Lab File: BM002136.D
Acq: 30 Jul 2015 14:51

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.5	23.6	35.4
279	5.0	4.2	6.4





#85

Chrysene

Concen: 34.04 ng/ul

RT: 21.26 min Scan# 3157

Delta R.T. 0.01 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

Instrument :

BNA_M

ClientSampleId :

C02K0RE

Tgt Ion:228 Resp: 1226074

Ion Ratio Lower Upper

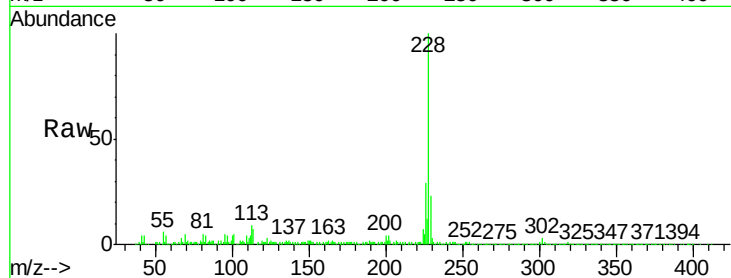
228 100

226 29.0 22.3 33.5

229 22.8 15.5 23.3

Manual Integrations
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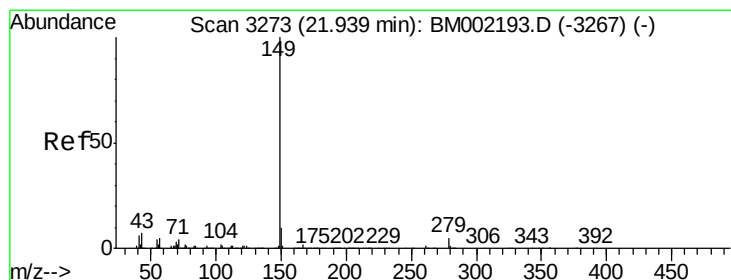
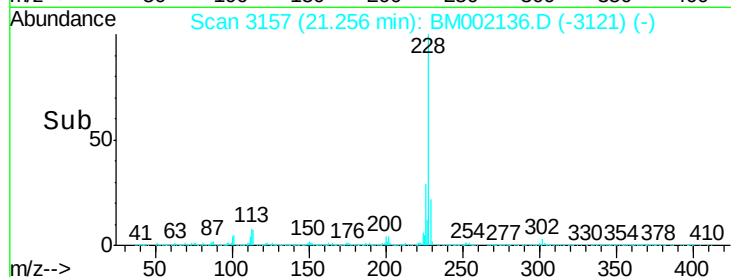
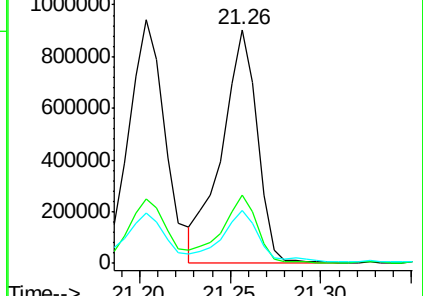
MMDadoda
8/3/2015 11:53:38 AM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Di-n-octyl phthalate

Concen: 2.83 ng/ul

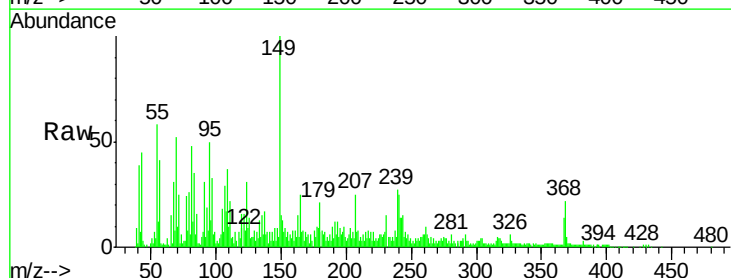
RT: 22.00 min Scan# 3283

Delta R.T. 0.01 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

Tgt Ion:149 Resp: 111827



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 149.00 (148.70 to 149.70): E

Ion 149.00 (148.70 to 149.70): E

Ion 149.00 (148.70 to 149.70): E

Ion 149.00 (148.70 to 149.70): E

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Ion 149.00 (148.70 to 149.70): E

Ion 149.00 (148.70 to 149.70): E

Ion 149.00 (148.70 to 149.70): E

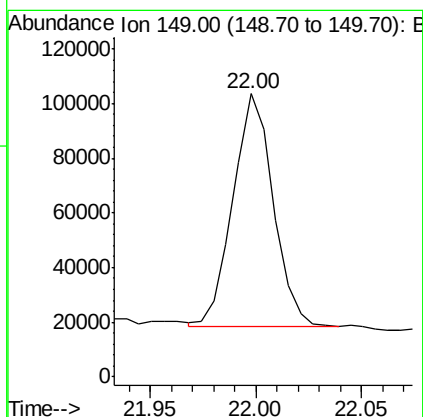
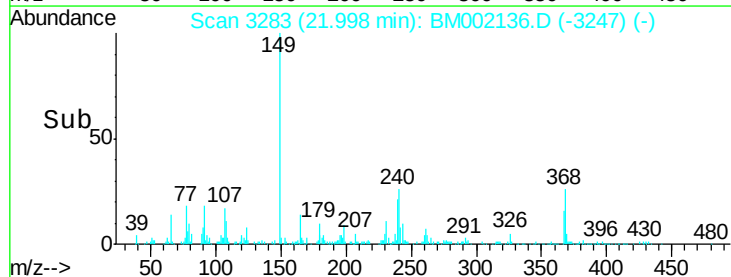
Ion 149.00 (148.70 to 149.70): E

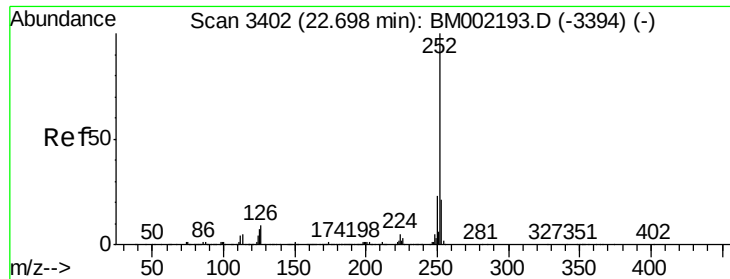
Ion 149.00 (148.70 to 149.70): E

Ion 149.00 (148.70 to 149.70): E

Ion 149.00 (148.70 to 149.70): E

Ion 149.00 (148.70 to 149.70): E





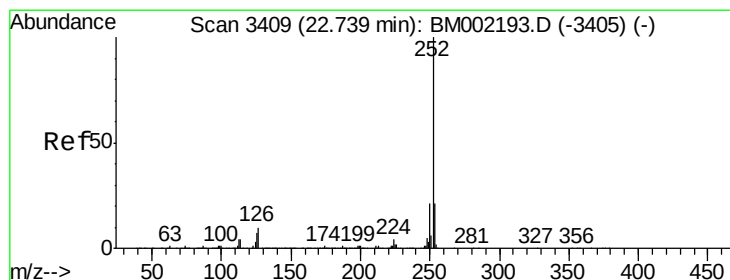
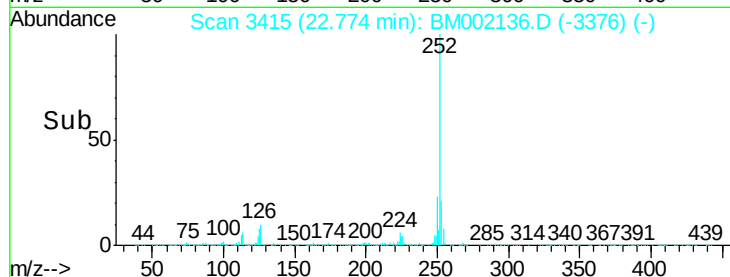
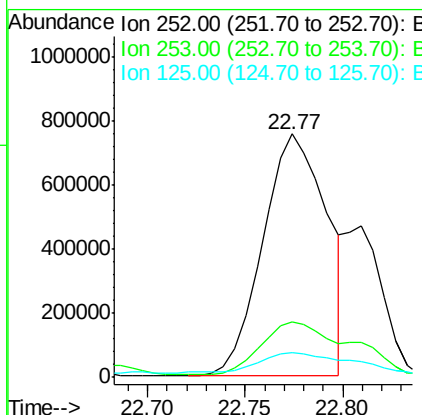
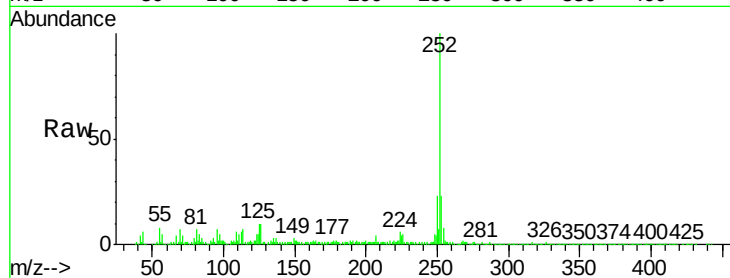
#88
Benzo(b)fluoranthene
Concen: 44.54 ng/ul
RT: 22.77 min Scan# 3415
Delta R.T. 0.03 min
Lab File: BM002136.D
Acq: 30 Jul 2015 14:51

Instrument :
BNA_M
ClientSampleId :
C02K0RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	16.9	25.3
125	10.2	6.2	9.2

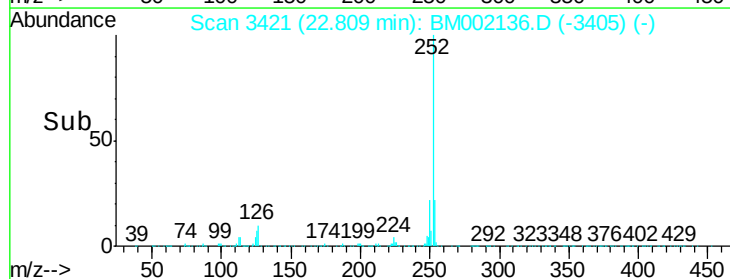
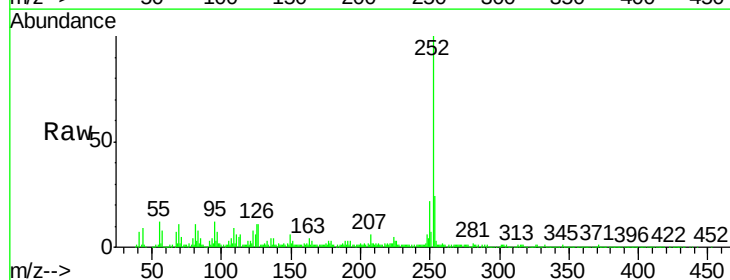
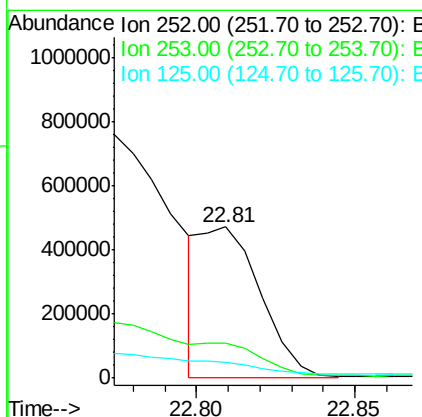
Manual Integrations
APPROVED

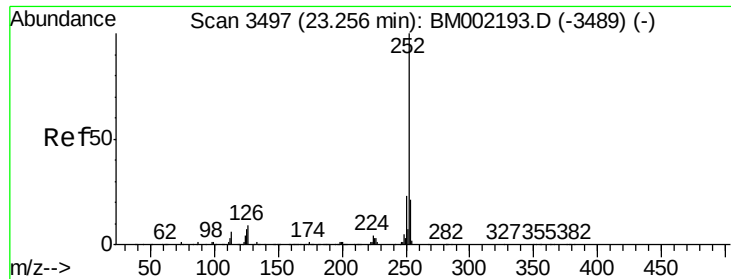
MMDadoda
8/3/2015 11:53:38 AM



#89
Benzo(k)fluoranthene
Concen: 16.40 ng/ul m
RT: 22.81 min Scan# 3421
Delta R.T. 0.02 min
Lab File: BM002136.D
Acq: 30 Jul 2015 14:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	10.5	6.2	9.4





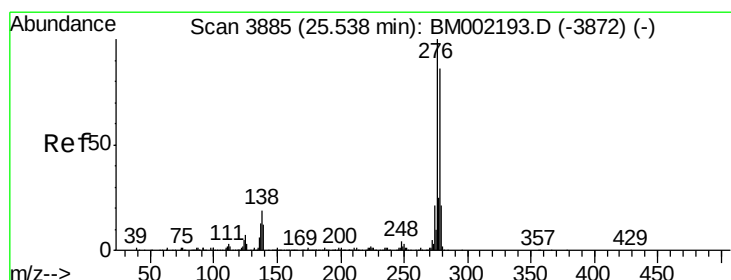
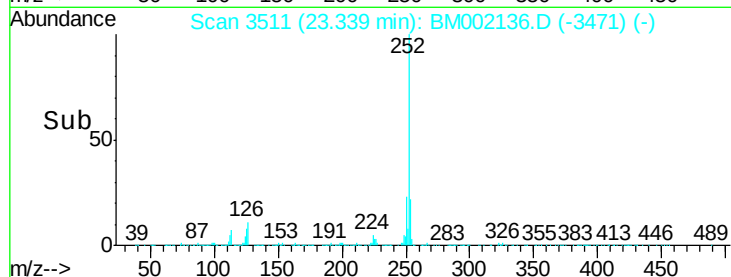
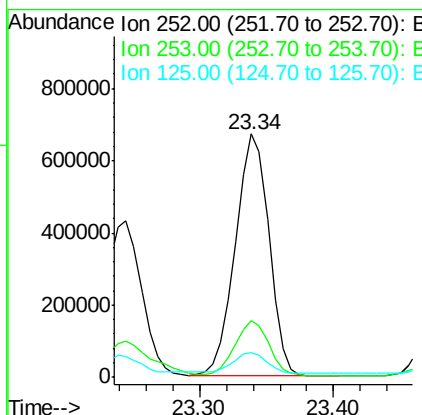
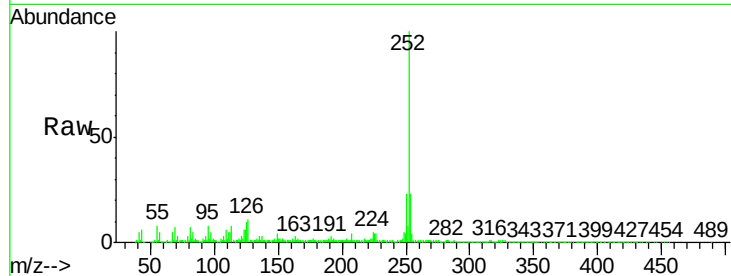
#91
Benzo(a)pyrene
Concen: 31.45 ng/ul
RT: 23.34 min Scan# 3511
Delta R.T. 0.04 min
Lab File: BM002136.D
Acq: 30 Jul 2015 14:51

Instrument :
BNA_M
ClientSampleId :
C02K0RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	10.1	6.6	10.0

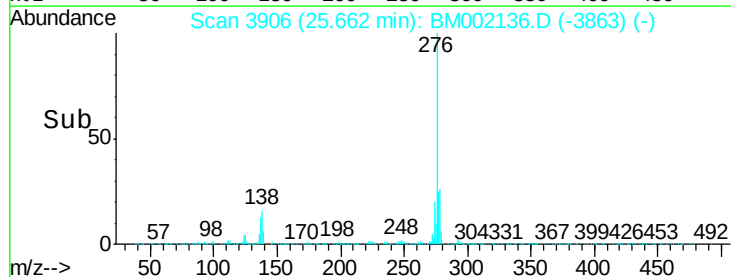
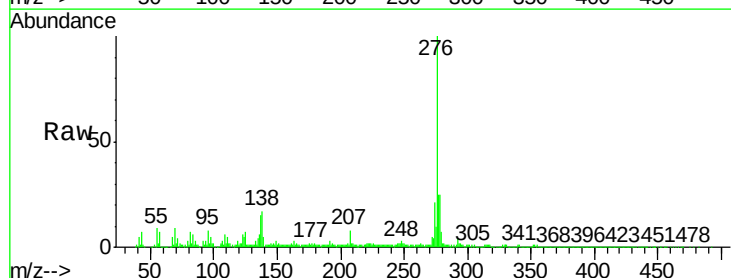
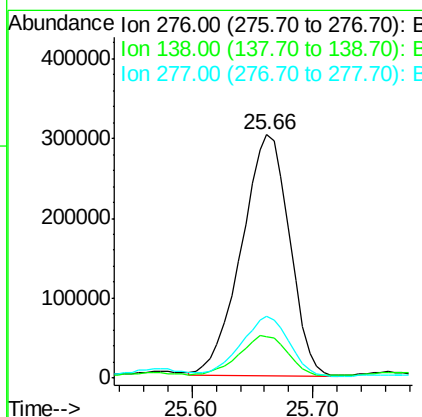
Manual Integrations
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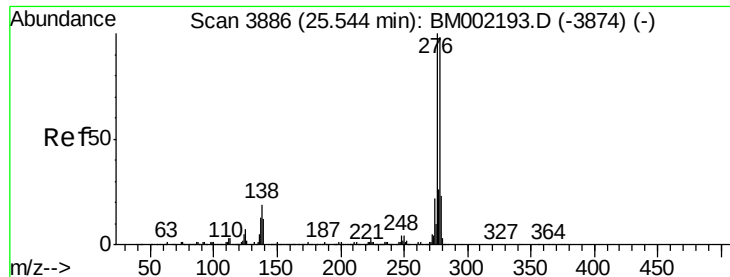
MMDadoda
8/3/2015 11:53:38 AM



#92
Indeno(1,2,3-cd)pyrene
Concen: 19.32 ng/ul
RT: 25.66 min Scan# 3906
Delta R.T. 0.05 min
Lab File: BM002136.D
Acq: 30 Jul 2015 14:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.9	16.2	24.2
277	25.3	19.8	29.8





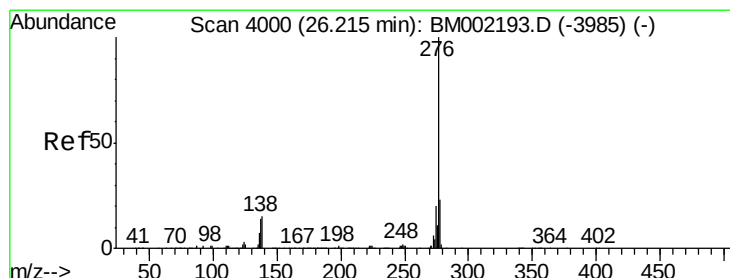
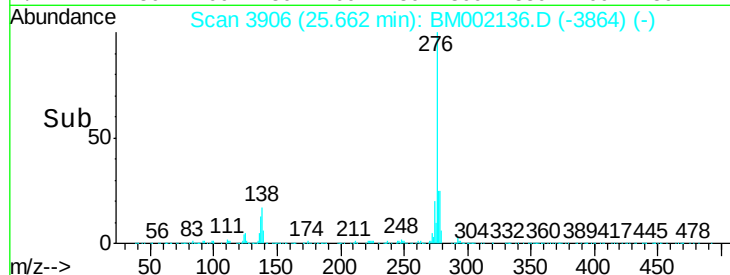
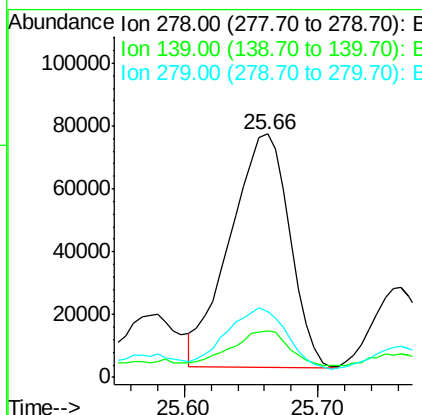
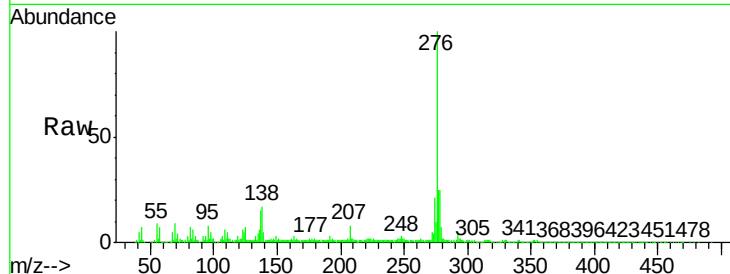
#93
Dibenzo(a,h)anthracene
Concen: 6.23 ng/ul
RT: 25.66 min Scan# 3906
Delta R.T. 0.05 min
Lab File: BM002136.D
Acq: 30 Jul 2015 14:51

Instrument :
BNA_M
ClientSampleId :
C02K0RE

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	229680		
139	18.9	10.6	16.0#	
279	27.0	18.5	27.7	

Manual Integrations
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8/3/2015 11:53:38 AM



#94
Benzo(g,h,i)perylene
Concen: 20.23 ng/ul
RT: 26.35 min Scan# 4023
Delta R.T. 0.07 min
Lab File: BM002136.D
Acq: 30 Jul 2015 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	730821		
138	17.7	13.8	20.6	
277	24.0	18.2	27.2	

