

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
 Data File : BM002134.D
 Acq On : 30 Jul 2015 13:37
 Operator : TP/UM
 Sample : G3030-20RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02K6RE

Manual Integrations
 APPROVED

MMDadoda
 8/3/2015 11:53:25 AM

Quant Time: Aug 10 12:49:56 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	152263	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	636228	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.26	164	354251	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.01	188	690766	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	788713	20.00	ng/ul	0.02
86) Perylene-d12	23.43	264	754317	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	8891	3.02	ng/uL	0.00
5) Phenol-d5	6.77	99	249131	22.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	132696	22.05	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	212625	23.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	199293	23.03	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	101688	22.48	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	120899	24.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	217987	22.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	143368	13.48	ng/ul	0.00
44) Dimethylphthalate-d6	13.67	166	580157	22.36	ng/ul	0.00
47) Acenaphthylene-d8	13.94	160	640660	19.75	ng/ul	0.00
52) 4-Nitrophenol-d4	14.48	143	73327	16.93	ng/ul	0.00
58) Fluorene-d10	15.25	176	417982	18.31	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	37925	8.98	ng/ul	0.00
71) Anthracene-d10	17.11	188	575219	18.66	ng/ul	0.00
79) Pyrene-d10	19.42	212	591111	17.80	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.29	264	628273	17.18	ng/ul	0.02

Target Compounds

						Qvalue
28) Naphthalene	10.43	128	215925	7.14	ng/ul	99
34) 2-Methylnaphthalene	12.05	142	51672	2.35	ng/ul	100
45) Dimethylphthalate	13.72	163	236583	9.13	ng/ul	100
48) Acenaphthylene	13.97	152	65681	1.96	ng/ul	96
50) Acenaphthene	14.32	153	188033	8.57	ng/ul	98
54) Dibenzofuran	14.66	168	157974	5.02	ng/ul	98
59) Fluorene	15.31	166	207781	7.99	ng/ul	98
70) Phenanthrene	17.06	178	2939137	82.15	ng/ul	99
72) Anthracene	17.14	178	782226	21.39	ng/ul	99
75) Carbazole	17.42	167	291834	9.34	ng/ul	97
76) Di-n-butylphthalate	17.97	149	94399	2.53	ng/ul#	91
77) Fluoranthene	19.09	202	4468937	108.17	ng/ul#	96
80) Pyrene	19.46	202	3870420	90.18	ng/ul	98
83) Benzo(a)anthracene	21.21	228	2165438	49.53	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.13	149	354369	14.12	ng/ul	100
85) Chrysene	21.26	228	2012517	49.20	ng/ul	96
88) Benzo(b)fluoranthene	22.77	252	2269784	53.55	ng/ul#	96
89) Benzo(k)fluoranthene	22.81	252	740275m	18.10	ng/ul	
91) Benzo(a)pyrene	23.34	252	1562243	38.18	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.64	276	938743	19.91	ng/ul	96
93) Dibenzo(a,h)anthracene	25.64	278	279783	6.93	ng/ul#	90
94) Benzo(g,h,i)perylene	26.34	276	817707	20.69	ng/ul	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

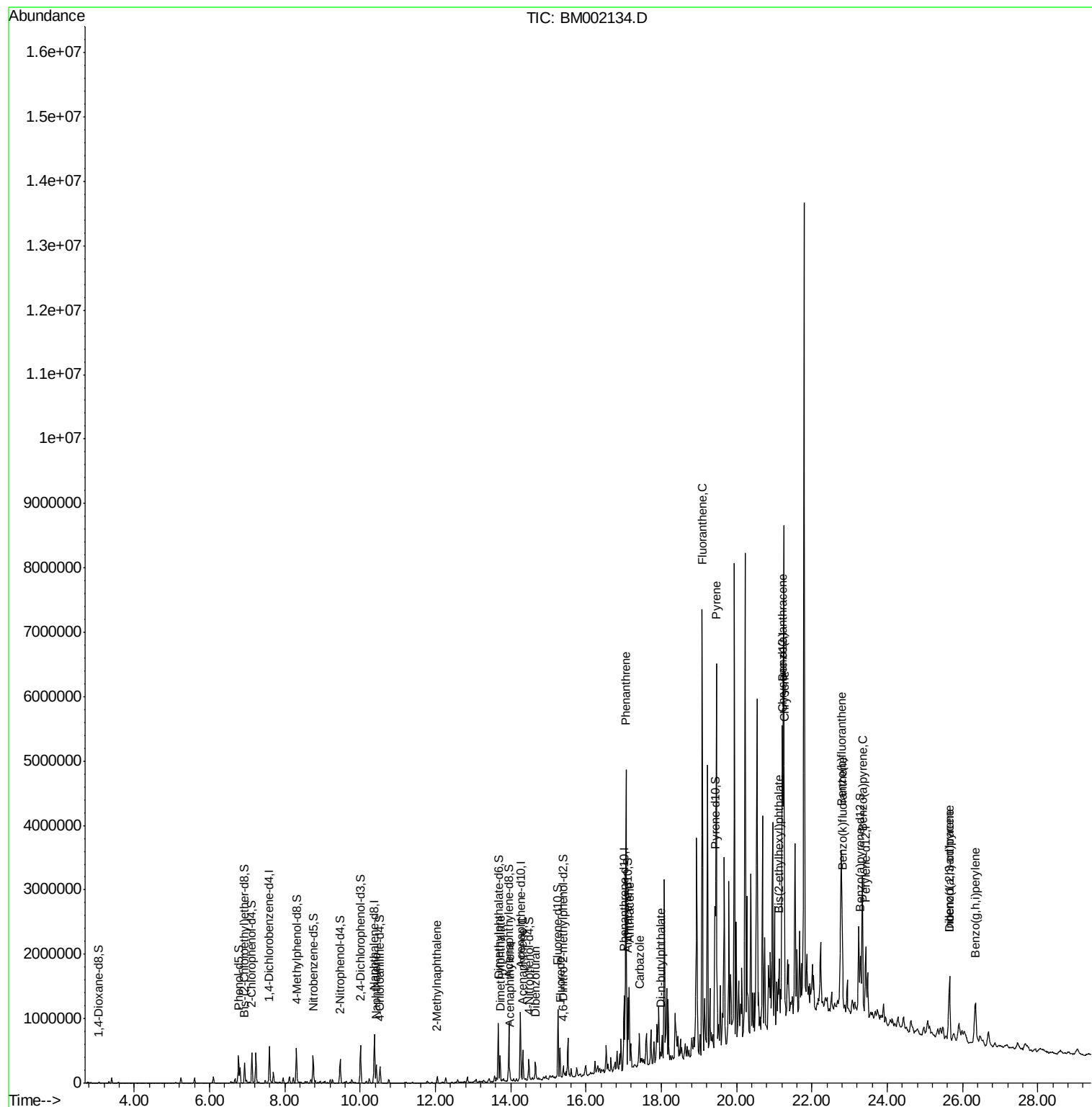
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002134.D
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Operator : TP/UM
Sample : G3030-20RE
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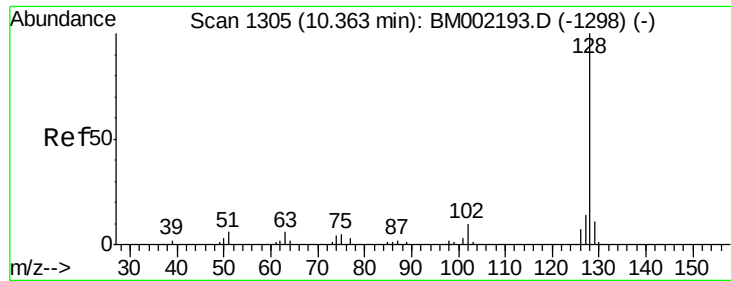
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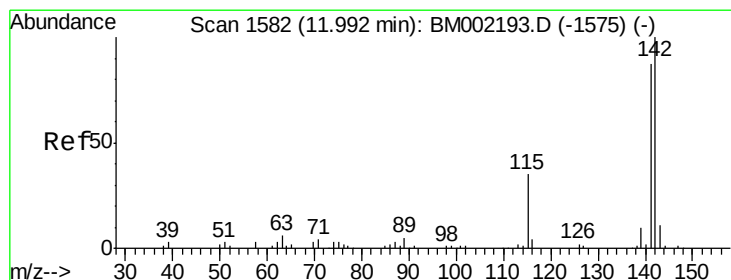
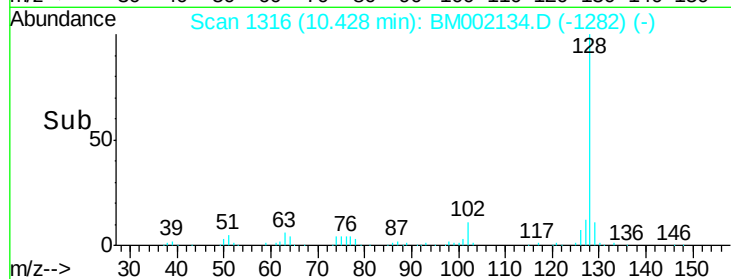
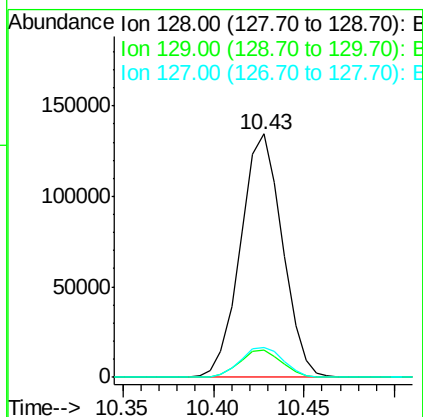
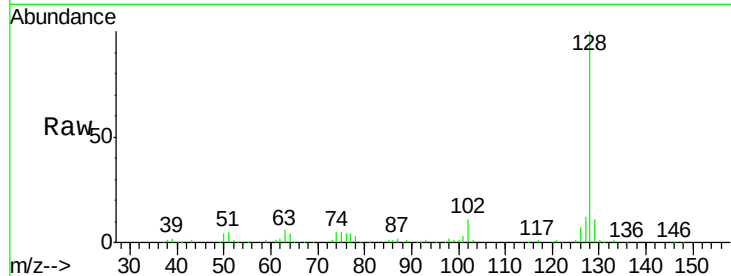
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Naphthalene
Concen: 7.14 ng/ul
RT: 10.43 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BM002134.D
Acq: 30 Jul 2015 13:37

Instrument :
BNA_M
ClientSampleId :
C02K6RE

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	215925		
129	11.1	9.0	13.4	
127	12.5	10.2	15.4	

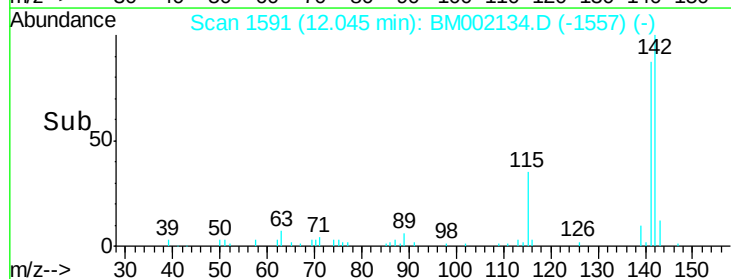
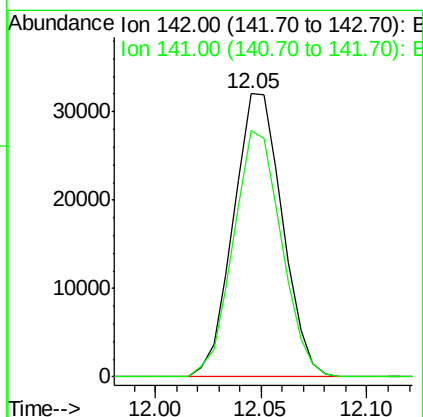
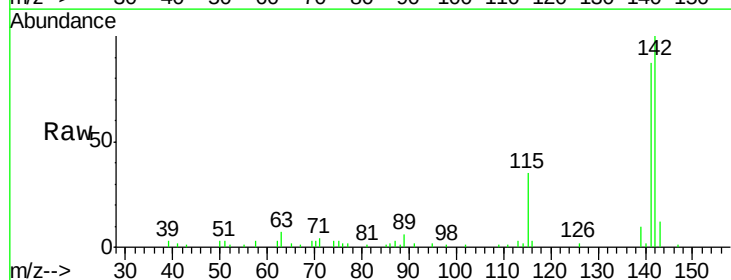
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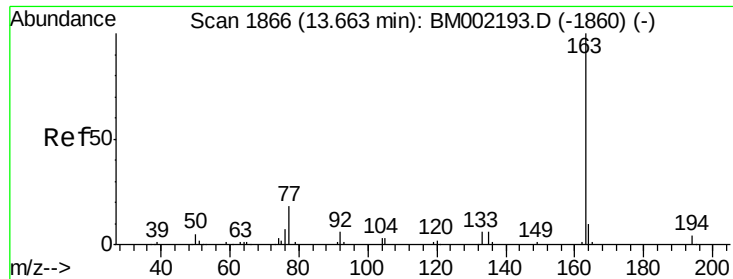
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#34
2-Methylnaphthalene
Concen: 2.35 ng/ul
RT: 12.05 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BM002134.D
Acq: 30 Jul 2015 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	51672		
141	87.2	69.8	104.6	





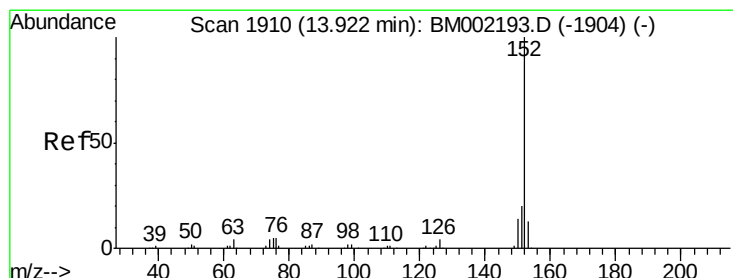
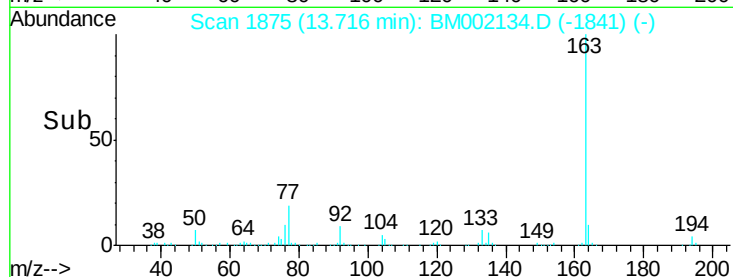
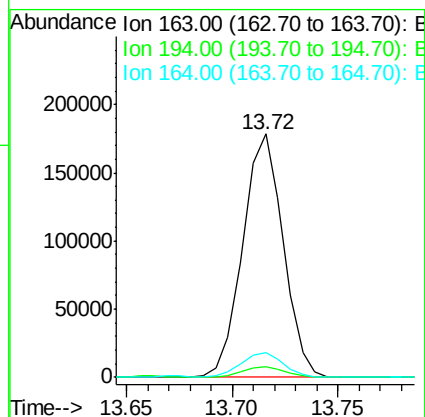
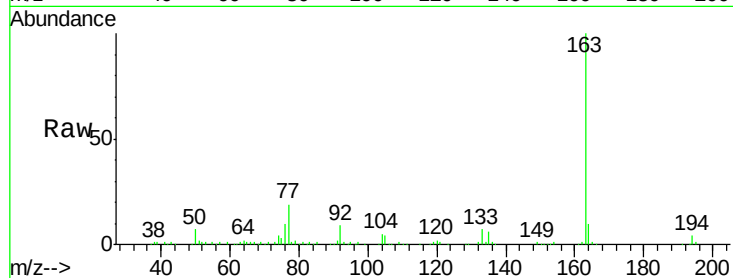
#45
Dimethylphthalate
Concen: 9.13 ng/ul
RT: 13.72 min Scan# 1875
Delta R.T. 0.00 min
Lab File: BM002134.D
Acq: 30 Jul 2015 13:37

Instrument :
BNA_M
ClientSampleId :
C02K6RE

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	236583		
194	4.3	3.5	5.3	
164	10.1	8.0	12.0	

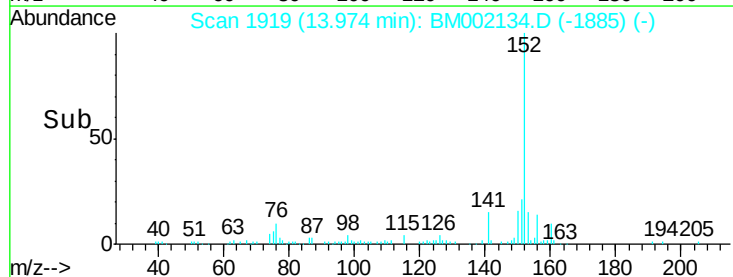
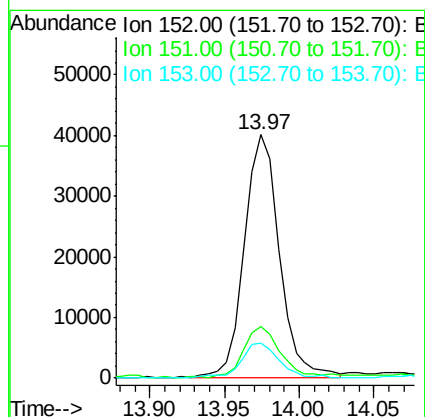
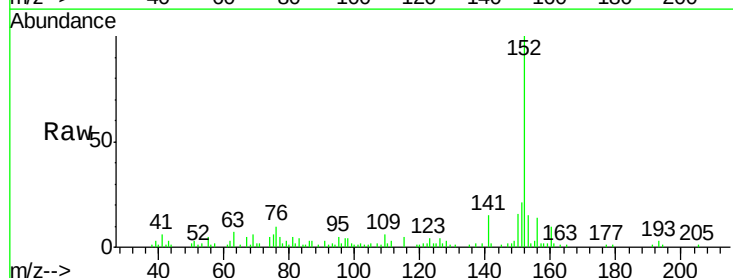
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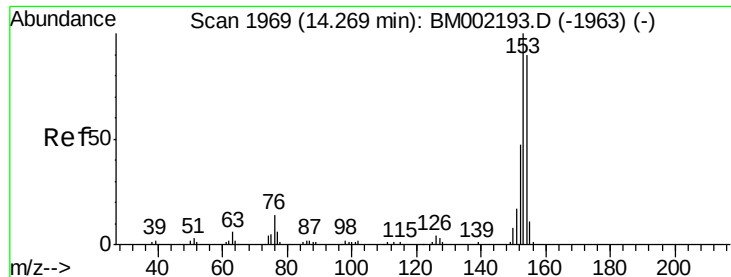
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#48
Acenaphthylene
Concen: 1.96 ng/ul
RT: 13.97 min Scan# 1919
Delta R.T. 0.00 min
Lab File: BM002134.D
Acq: 30 Jul 2015 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	65681		
151	21.4	15.6	23.4	
153	14.6	10.3	15.5	





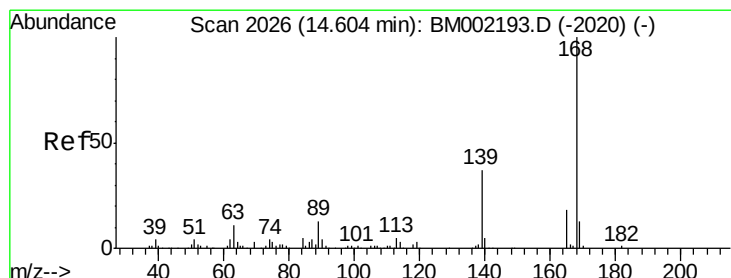
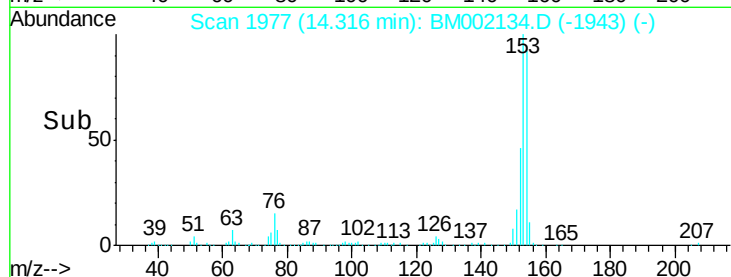
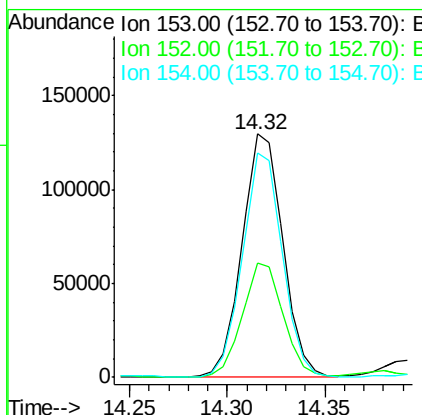
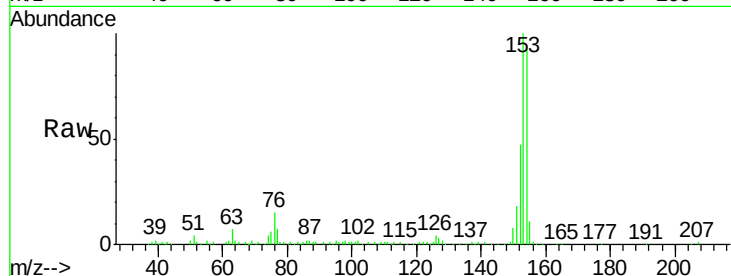
#50
Acenaphthene
Concen: 8.57 ng/ul
RT: 14.32 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BM002134.D
Acq: 30 Jul 2015 13:37

Instrument :
BNA_M
ClientSampleId :
C02K6RE

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.8	37.3	55.9
154	92.3	71.4	107.2

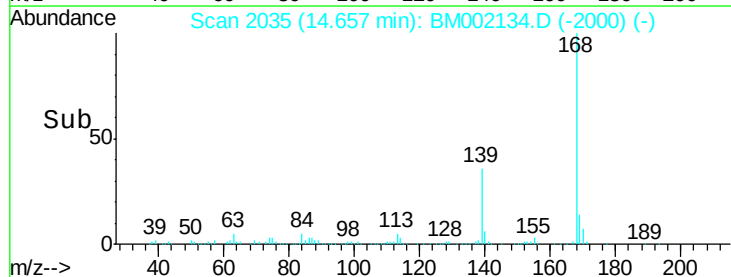
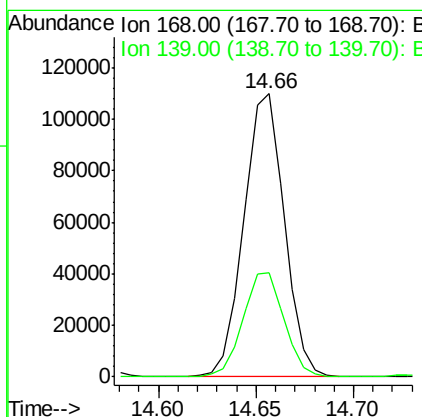
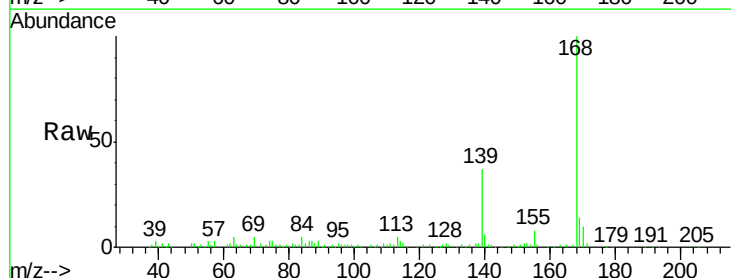
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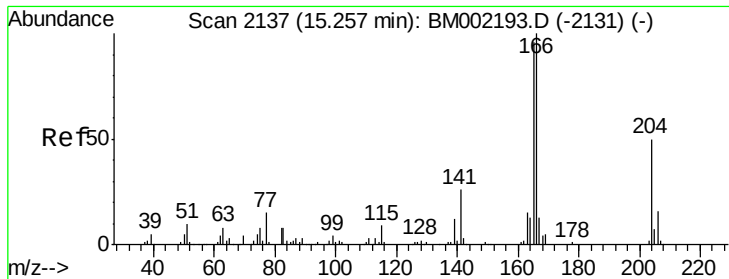
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#54
Dibenzofuran
Concen: 5.02 ng/ul
RT: 14.66 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BM002134.D
Acq: 30 Jul 2015 13:37

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.6	28.2	42.2





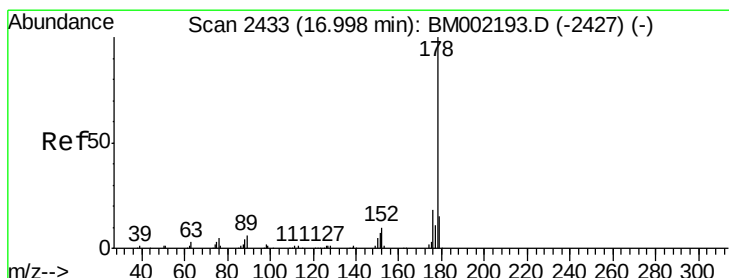
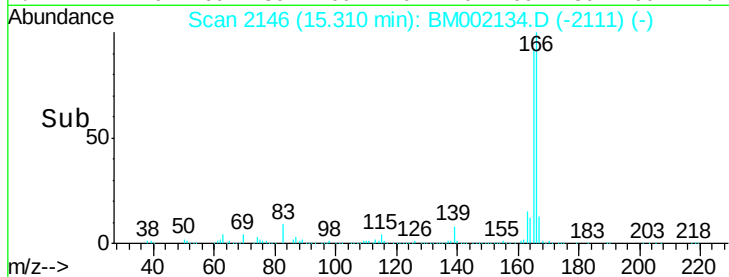
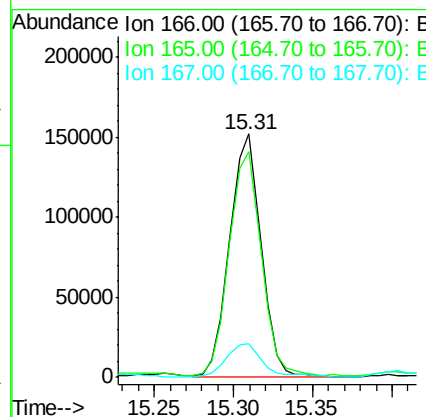
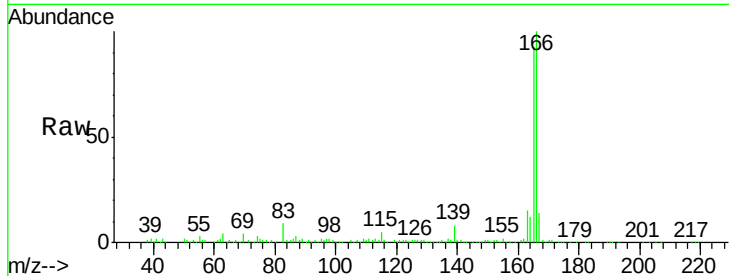
#59
Fluorene
 Concen: 7.99 ng/ul
 RT: 15.31 min Scan# 2146
 Delta R.T. 0.01 min
 Lab File: BM002134.D
 Acq: 30 Jul 2015 13:37

Instrument :
 BNA_M
 ClientSampleId :
 C02K6RE

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	207781		
165	92.8	75.6	113.4	
167	14.0	10.5	15.7	

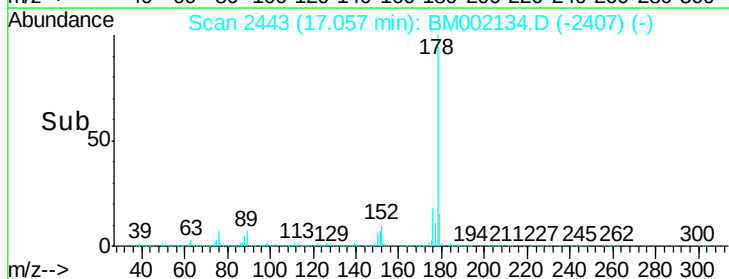
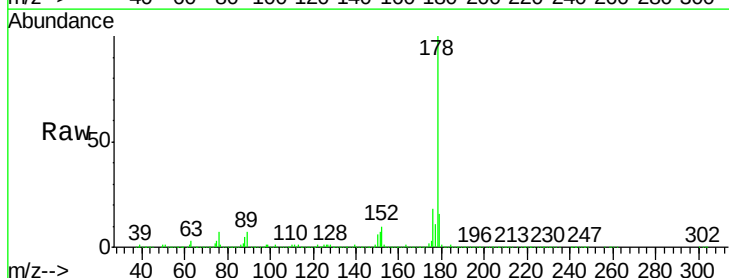
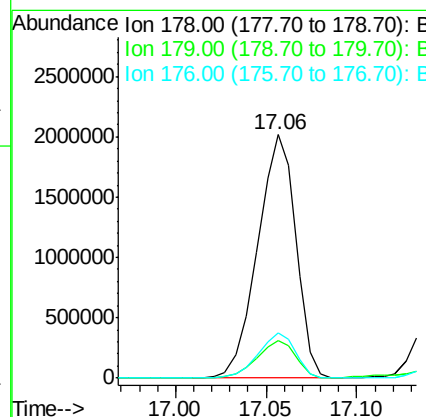
Manual Integrations
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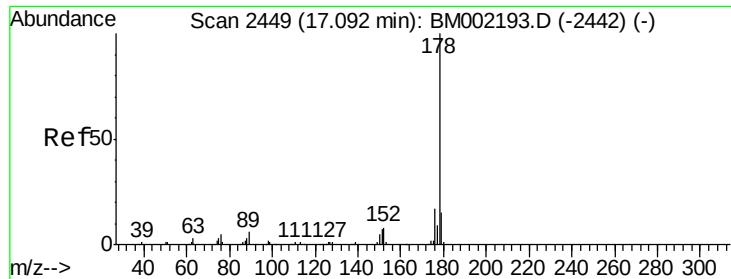
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#70
Phenanthrene
 Concen: 82.15 ng/ul
 RT: 17.06 min Scan# 2443
 Delta R.T. 0.01 min
 Lab File: BM002134.D
 Acq: 30 Jul 2015 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2939137		
179	15.5	12.5	18.7	
176	18.5	14.2	21.4	





#72

Anthracene

Concen: 21.39 ng/ul

RT: 17.14 min Scan# 2458

Delta R.T. 0.01 min

Lab File: BM002134.D

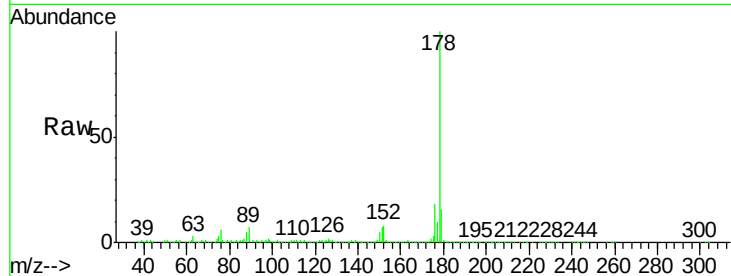
Acq: 30 Jul 2015 13:37

Instrument :

BNA_M

ClientSampleId :

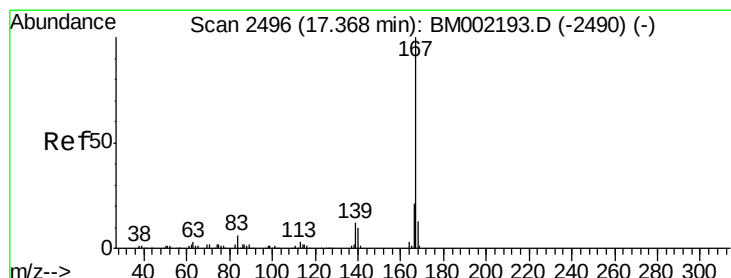
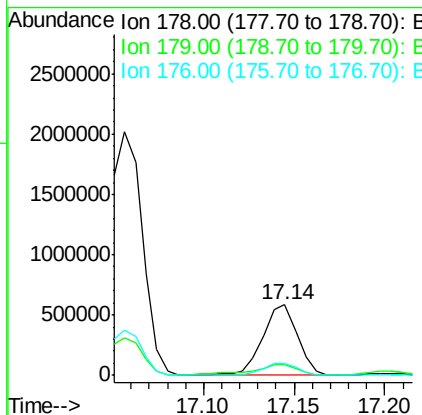
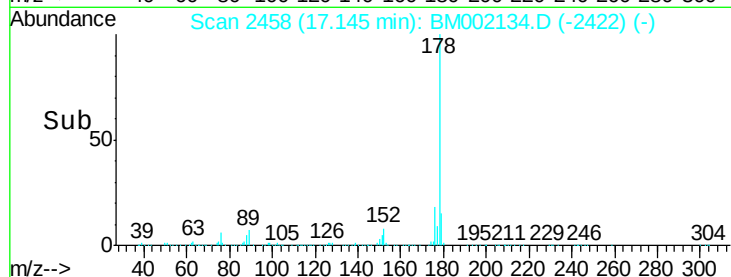
C02K6RE



Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.1	18.1
176	17.9	14.1	21.1

Manual Integrations
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#75

Carbazole

Concen: 9.34 ng/ul

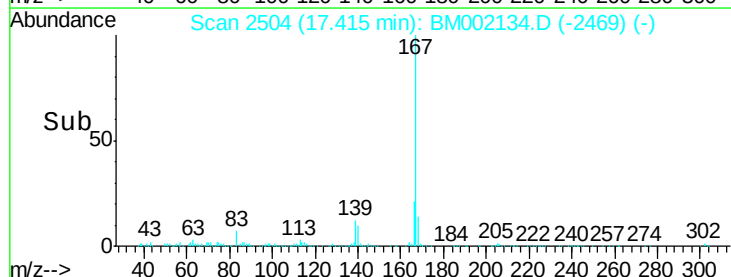
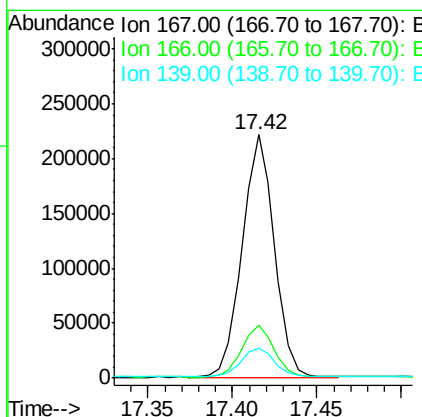
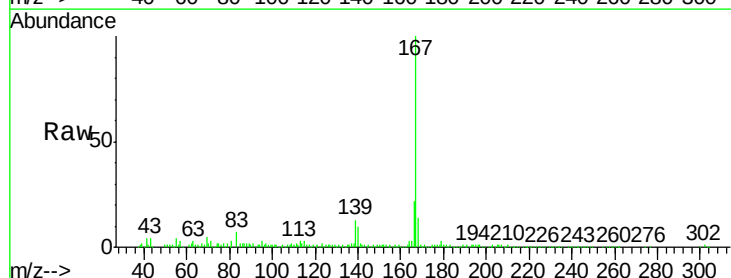
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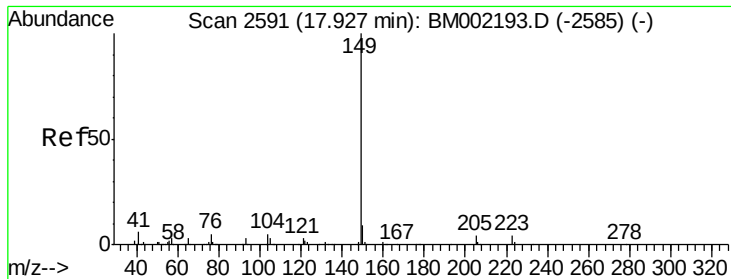
Delta R.T. 0.01 min

Lab File: BM002134.D

Acq: 30 Jul 2015 13:37

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	16.2	24.4
139	12.5	9.6	14.4





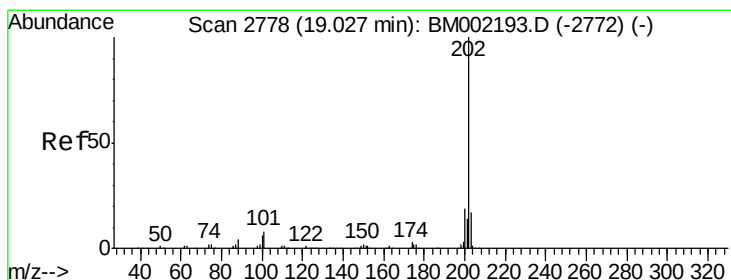
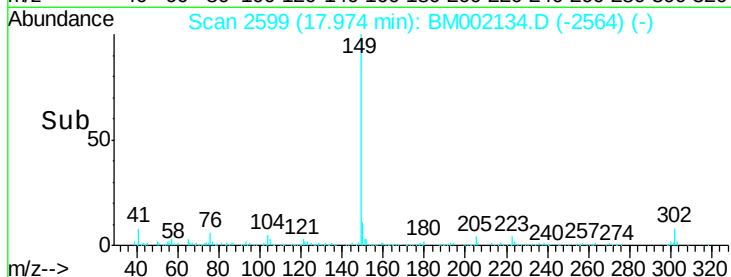
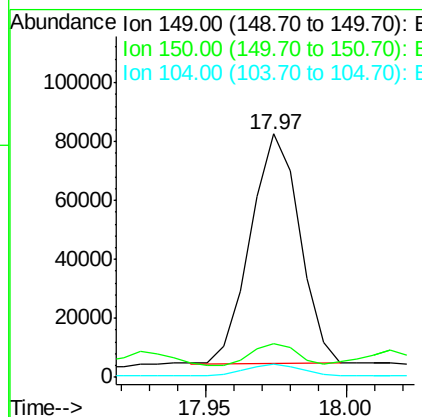
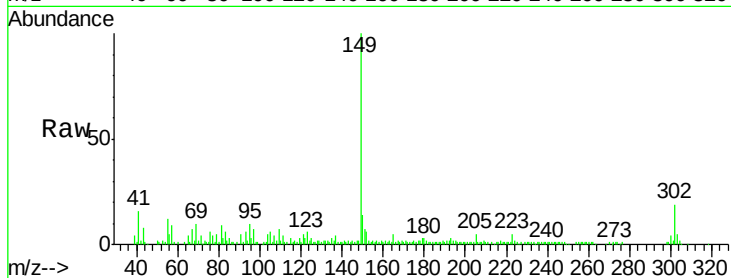
#76
Di-n-butylphthalate
Concen: 2.53 ng/ul
RT: 17.97 min Scan# 2599
Delta R.T. 0.01 min
Lab File: BM002134.D
Acq: 30 Jul 2015 13:37

Instrument :
BNA_M
ClientSampleId :
C02K6RE

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
150	13.7	7.0	10.4#	
104	5.3	4.2	6.2	

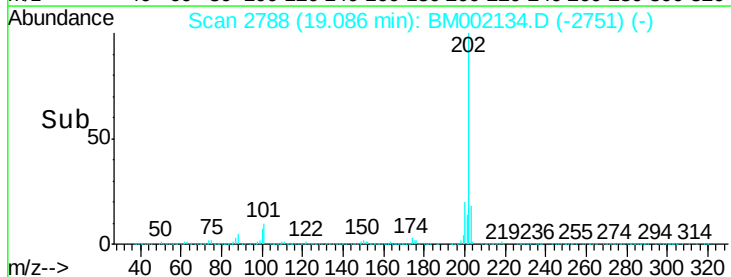
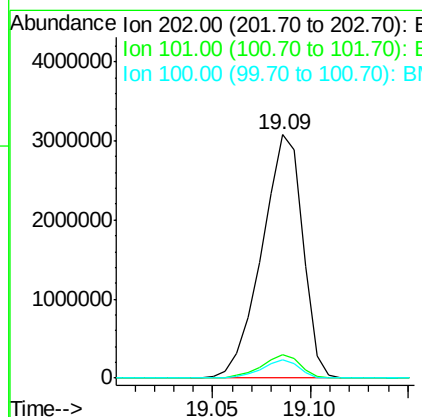
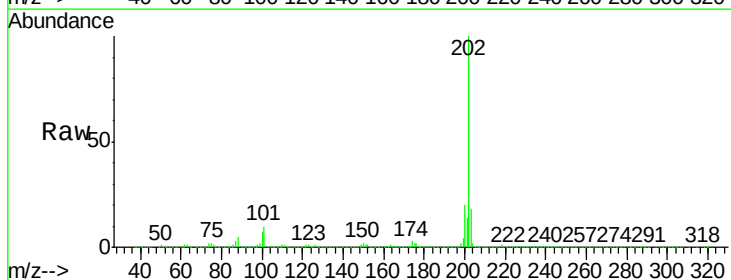
Manual Integrations
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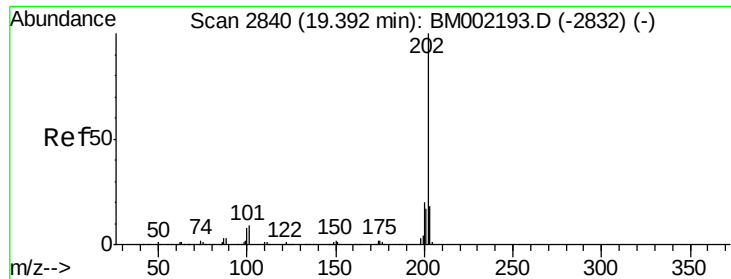
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#77
Fluoranthene
Concen: 108.17 ng/ul
RT: 19.09 min Scan# 2788
Delta R.T. 0.02 min
Lab File: BM002134.D
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Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	9.6	6.2	9.4#	
100	7.4	5.2	7.8	





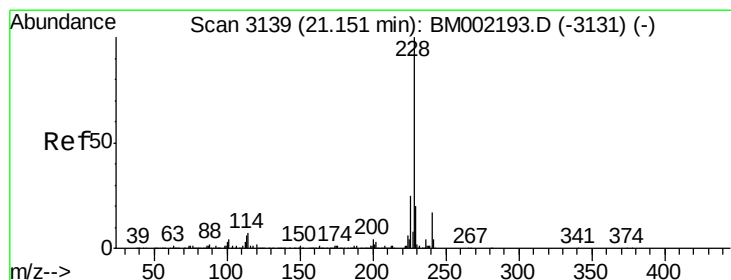
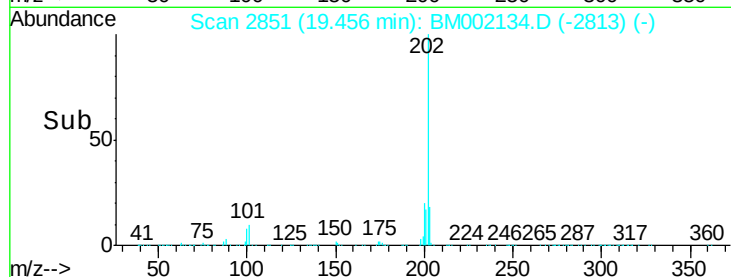
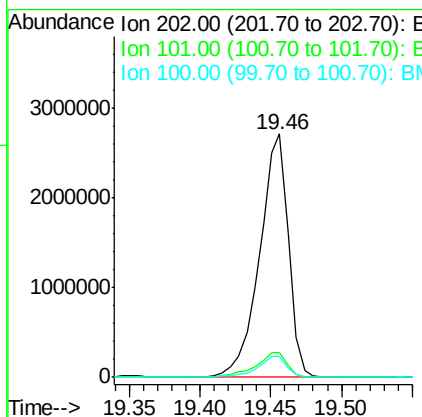
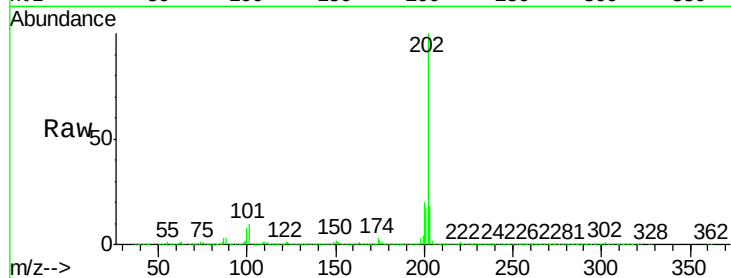
#80
Pyrene
Concen: 90.18 ng/ul
RT: 19.46 min Scan# 2851
Delta R.T. 0.02 min
Lab File: BM002134.D
Acq: 30 Jul 2015 13:37

Instrument :
BNA_M
ClientSampleId :
C02K6RE

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.4	11.2
100	8.5	6.3	9.5

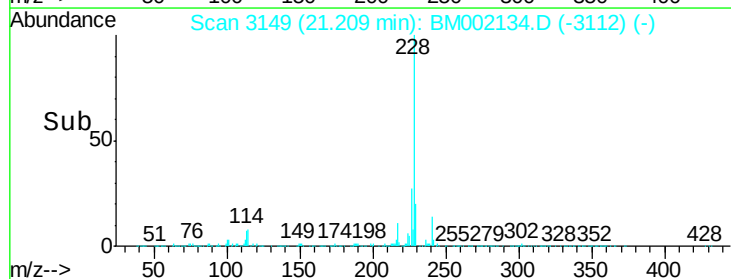
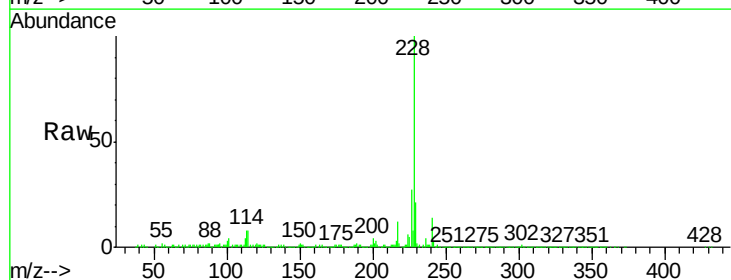
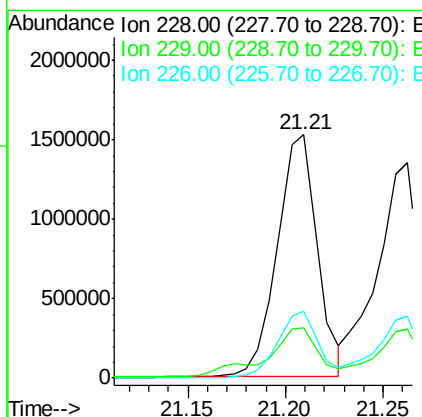
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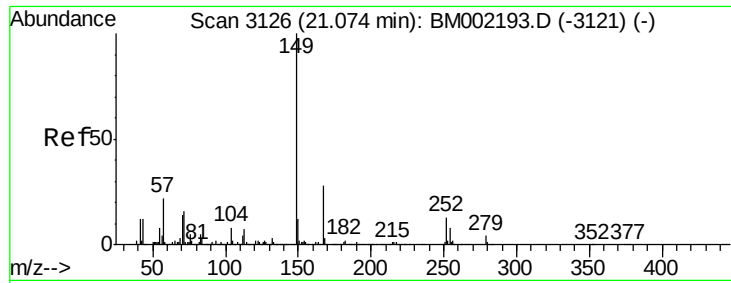
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8/3/2015 11:53:25 AM



#83
Benzo(a)anthracene
Concen: 49.53 ng/ul
RT: 21.21 min Scan# 3149
Delta R.T. 0.02 min
Lab File: BM002134.D
Acq: 30 Jul 2015 13:37

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.4	23.2
226	27.3	20.5	30.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 14.12 ng/ul

RT: 21.13 min Scan# 3135

Delta R.T. 0.01 min

Lab File: BM002134.D

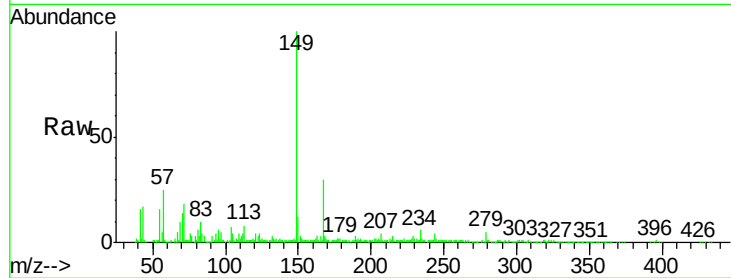
Acq: 30 Jul 2015 13:37

Instrument :

BNA_M

ClientSampleId :

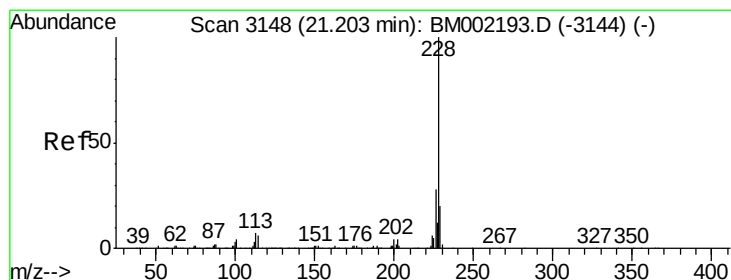
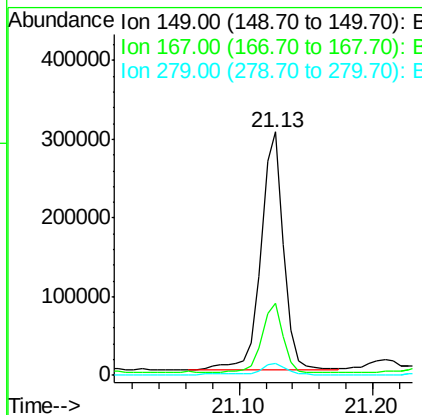
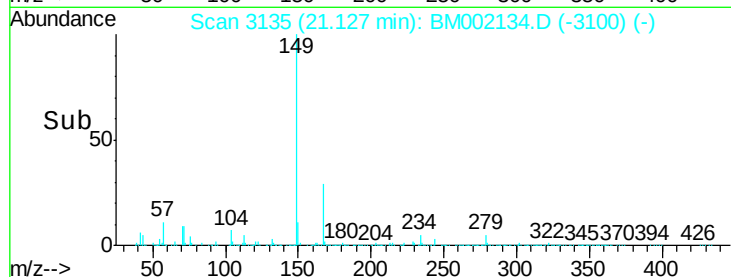
C02K6RE



Tgt Ion	Ratio	Resp	Lower	Upper
149	100	354369		
167	29.6	23.6	35.4	
279	5.1	4.2	6.4	

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#85

Chrysene

Concen: 49.20 ng/ul

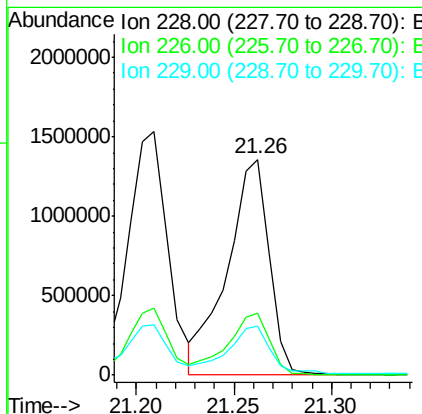
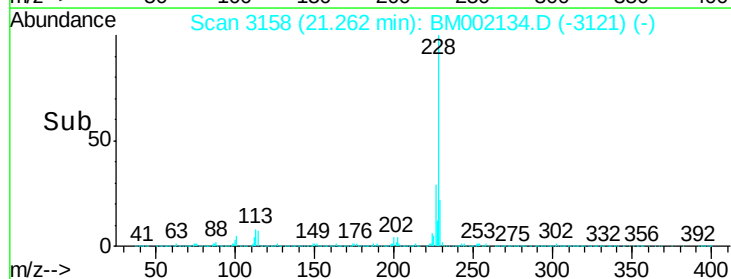
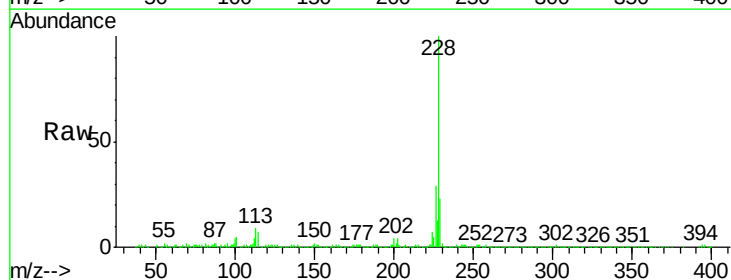
RT: 21.26 min Scan# 3158

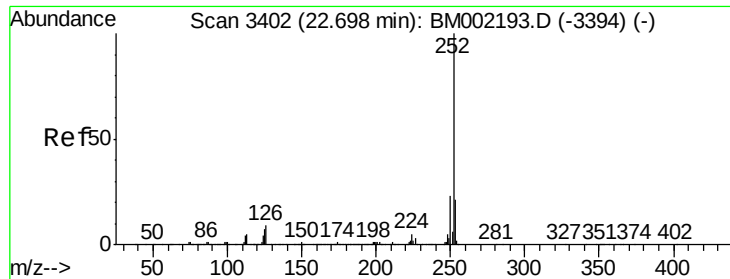
Delta R.T. 0.02 min

Lab File: BM002134.D

Acq: 30 Jul 2015 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	2012517		
226	28.9	22.3	33.5	
229	22.8	15.5	23.3	





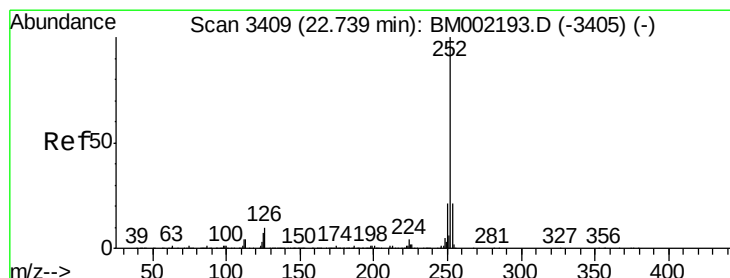
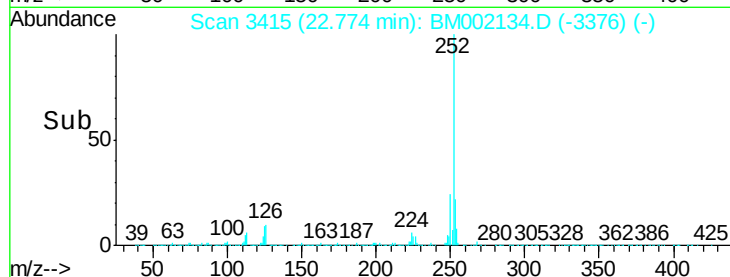
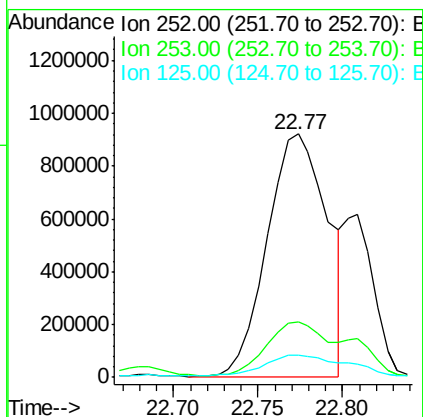
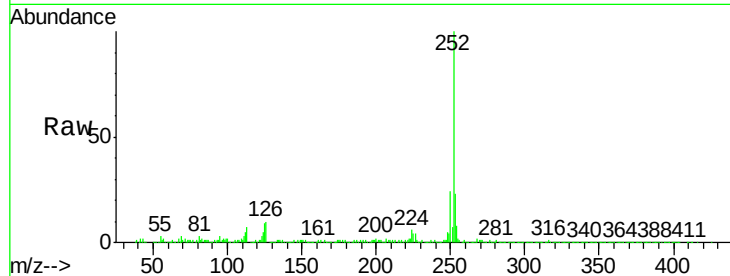
#88
Benzo(b)fluoranthene
Concen: 53.55 ng/ul
RT: 22.77 min Scan# 3415
Delta R.T. 0.03 min
Lab File: BM002134.D
Acq: 30 Jul 2015 13:37

Instrument :
BNA_M
ClientSampleId :
C02K6RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	16.9	25.3
125	9.3	6.2	9.2

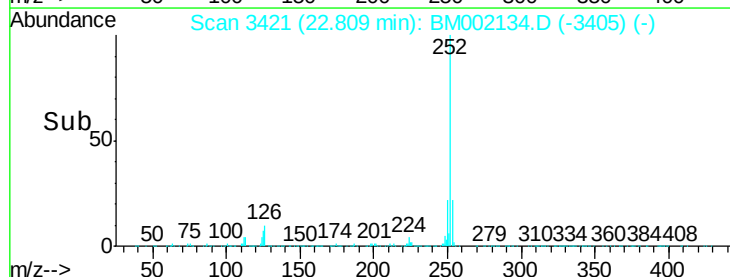
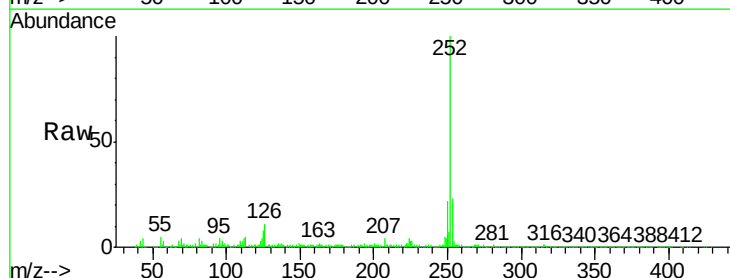
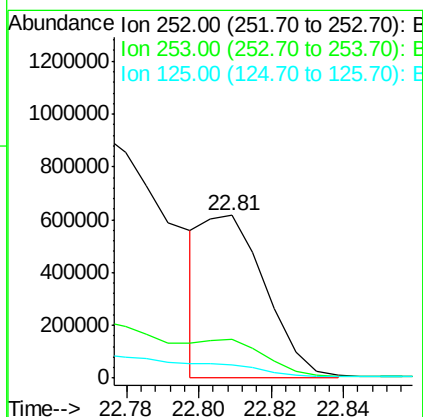
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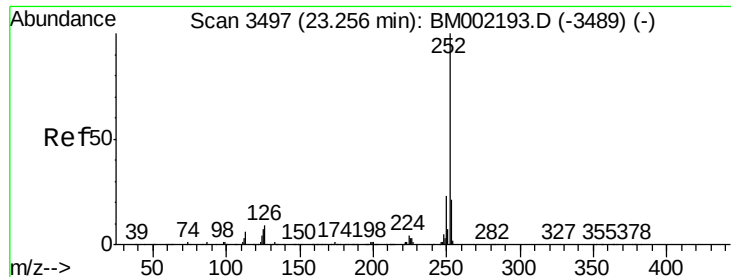
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#89
Benzo(k)fluoranthene
Concen: 18.10 ng/ul m
RT: 22.81 min Scan# 3421
Delta R.T. 0.02 min
Lab File: BM002134.D
Acq: 30 Jul 2015 13:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	8.3	6.2	9.4





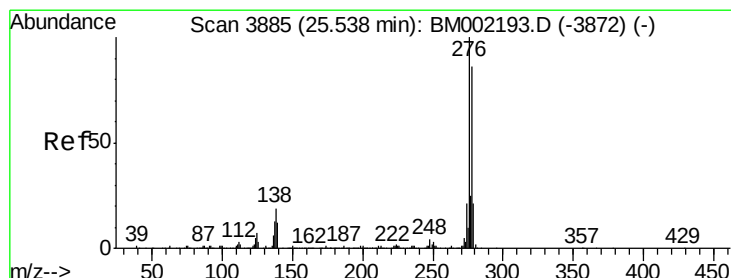
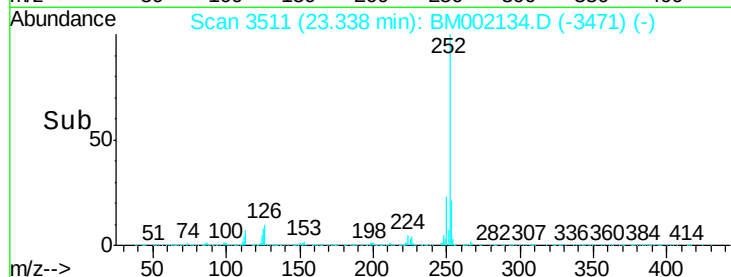
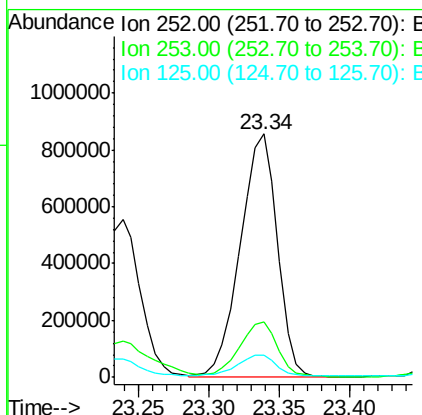
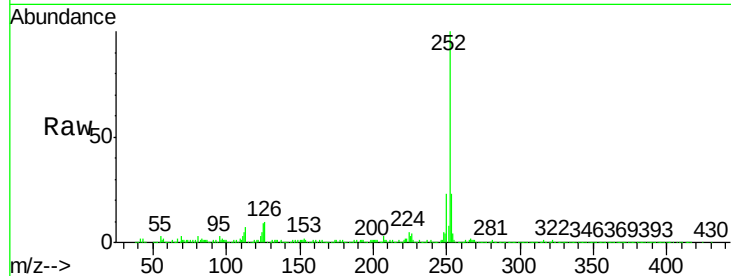
#91
Benzo(a)pyrene
Concen: 38.18 ng/ul
RT: 23.34 min Scan# 3511
Delta R.T. 0.04 min
Lab File: BM002134.D
Acq: 30 Jul 2015 13:37

Instrument :
BNA_M
ClientSampleId :
C02K6RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	9.1	6.6	10.0

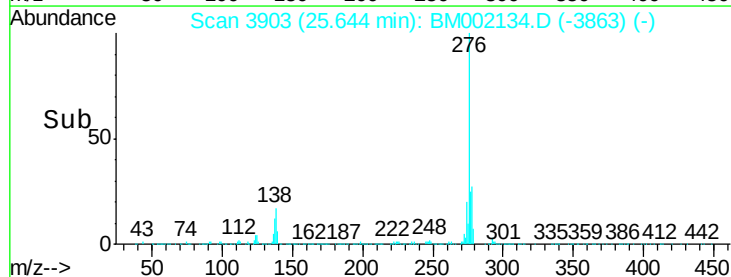
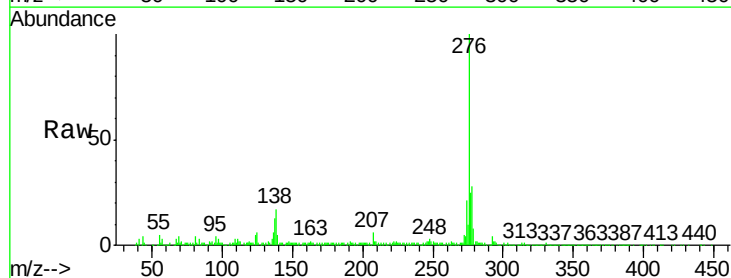
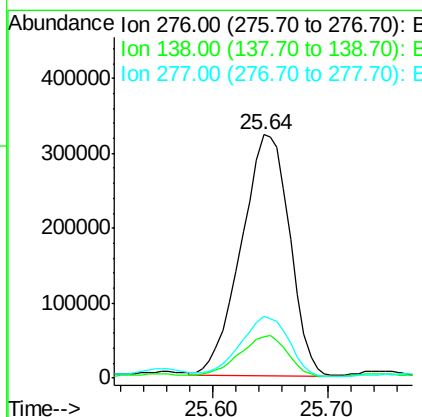
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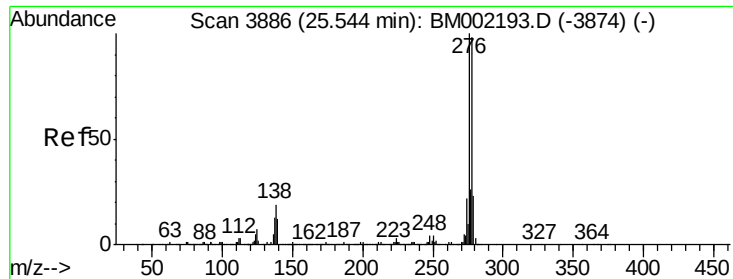
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#92
Indeno(1,2,3-cd)pyrene
Concen: 19.91 ng/ul
RT: 25.64 min Scan# 3903
Delta R.T. 0.04 min
Lab File: BM002134.D
Acq: 30 Jul 2015 13:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.8	16.2	24.2
277	25.4	19.8	29.8





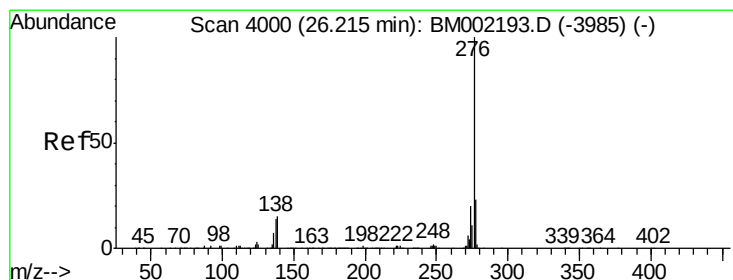
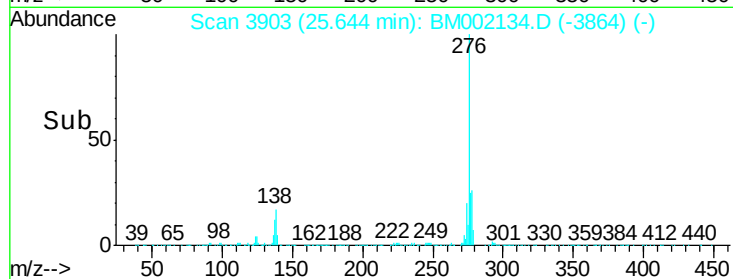
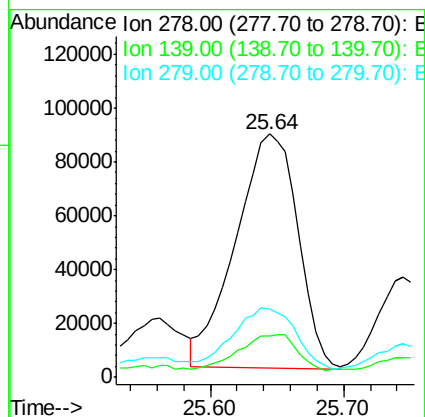
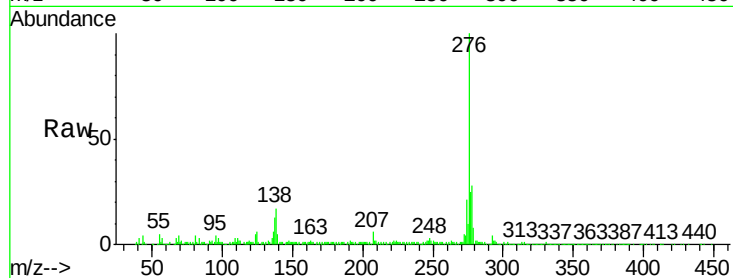
#93
Dibenzo(a,h)anthracene
Concen: 6.93 ng/ul
RT: 25.64 min Scan# 3903
Delta R.T. 0.03 min
Lab File: BM002134.D
Acq: 30 Jul 2015 13:37

Instrument :
BNA_M
ClientSampleId :
C02K6RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	17.2	10.6	16.0#
279	28.2	18.5	27.7#

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8/3/2015 11:53:25 AM



#94
Benzo(g,h,i)perylene
Concen: 20.69 ng/ul
RT: 26.34 min Scan# 4021
Delta R.T. 0.05 min
Lab File: BM002134.D
Acq: 30 Jul 2015 13:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	17.2	13.8	20.6
277	25.3	18.2	27.2

