

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
 Data File : BM002145.D
 Acq On : 30 Jul 2015 20:24
 Operator : TP/UM
 Sample : G3035-13DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02J6DL

Manual Integrations
 APPROVED

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 8/3/2015 11:54:25 AM

Quant Time: Jul 31 04:55:22 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	7.60	152	66392	20.00	ng/ul	0.01
18) Naphthalene-d8	10.39	136	293094	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.27	164	184565	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.02	188	417065	20.00	ng/ul	0.02
78) Chrysene-d12	21.23	240	374083	20.00	ng/ul	0.02
86) Perylene-d12	23.44	264	318653	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	709	0.55	ng/uL	0.00
5) Phenol-d5	6.79	99	20910	4.41	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.94	67	11621	4.43	ng/ul	0.01
9) 2-Chlorophenol-d4	7.14	132	18166	4.52	ng/ul	0.02
13) 4-Methylphenol-d8	8.32	113	17717	4.70	ng/ul	0.02
19) Nitrobenzene-d5	8.76	128	8912	4.28	ng/ul	0.01
22) 2-Nitrophenol-d4	9.49	143	9204	3.98	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.03	165	20472	4.59	ng/ul	0.02
29) 4-Chloroaniline-d4	10.54	131	19287	3.94	ng/ul	0.02
44) Dimethylphthalate-d6	13.68	166	63189	4.67	ng/ul	0.01
47) Acenaphthylene-d8	13.96	160	77529	4.59	ng/ul	0.02
52) 4-Nitrophenol-d4	14.52	143	7665	3.40	ng/ul	0.04
58) Fluorene-d10	15.27	176	57491	4.83	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.42	200	605	0.24	ng/ul	0.04
71) Anthracene-d10	17.12	188	86867	4.67	ng/ul	0.02
79) Pyrene-d10	19.43	212	85040	5.40	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.29	264	60614	3.92	ng/ul	0.03

Target Compounds

					Qvalue
14) Acetophenone	8.43	105	8317	1.39 ng/ul	94
28) Naphthalene	10.44	128	18464	1.33 ng/ul#	95
34) 2-Methylnaphthalene	12.07	142	14998	1.48 ng/ul	100
35) 1-Methylnaphthalene	12.29	142	11070m	1.14 ng/ul	
45) Dimethylphthalate	13.73	163	18259	1.35 ng/ul	98
50) Acenaphthene	14.33	153	50945	4.46 ng/ul	98
54) Dibenzofuran	14.67	168	49481	3.02 ng/ul	100
59) Fluorene	15.32	166	58991	4.35 ng/ul	96
70) Phenanthrene	17.07	178	807794	37.39 ng/ul	100
72) Anthracene	17.16	178	197309	8.93 ng/ul	100
75) Carbazole	17.43	167	71206	3.77 ng/ul	98
77) Fluoranthene	19.09	202	881844	35.35 ng/ul	100
80) Pyrene	19.46	202	939627	46.16 ng/ul	100
83) Benzo(a)anthracene	21.21	228	423003	20.40 ng/ul	98
85) Chrysene	21.26	228	383733	19.78 ng/ul	97
88) Benzo(b)fluoranthene	22.77	252	369680	20.65 ng/ul#	95
89) Benzo(k)fluoranthene	22.81	252	111303m	6.44 ng/ul	
91) Benzo(a)pyrene	23.34	252	275201	15.92 ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.66	276	146340	7.35 ng/ul#	95
93) Dibenzo(a,h)anthracene	25.66	278	44789	2.63 ng/ul#	83
94) Benzo(g,h,i)perylene	26.35	276	136541	8.18 ng/ul#	94

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Quant Title : SVOA CALIBRATION
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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

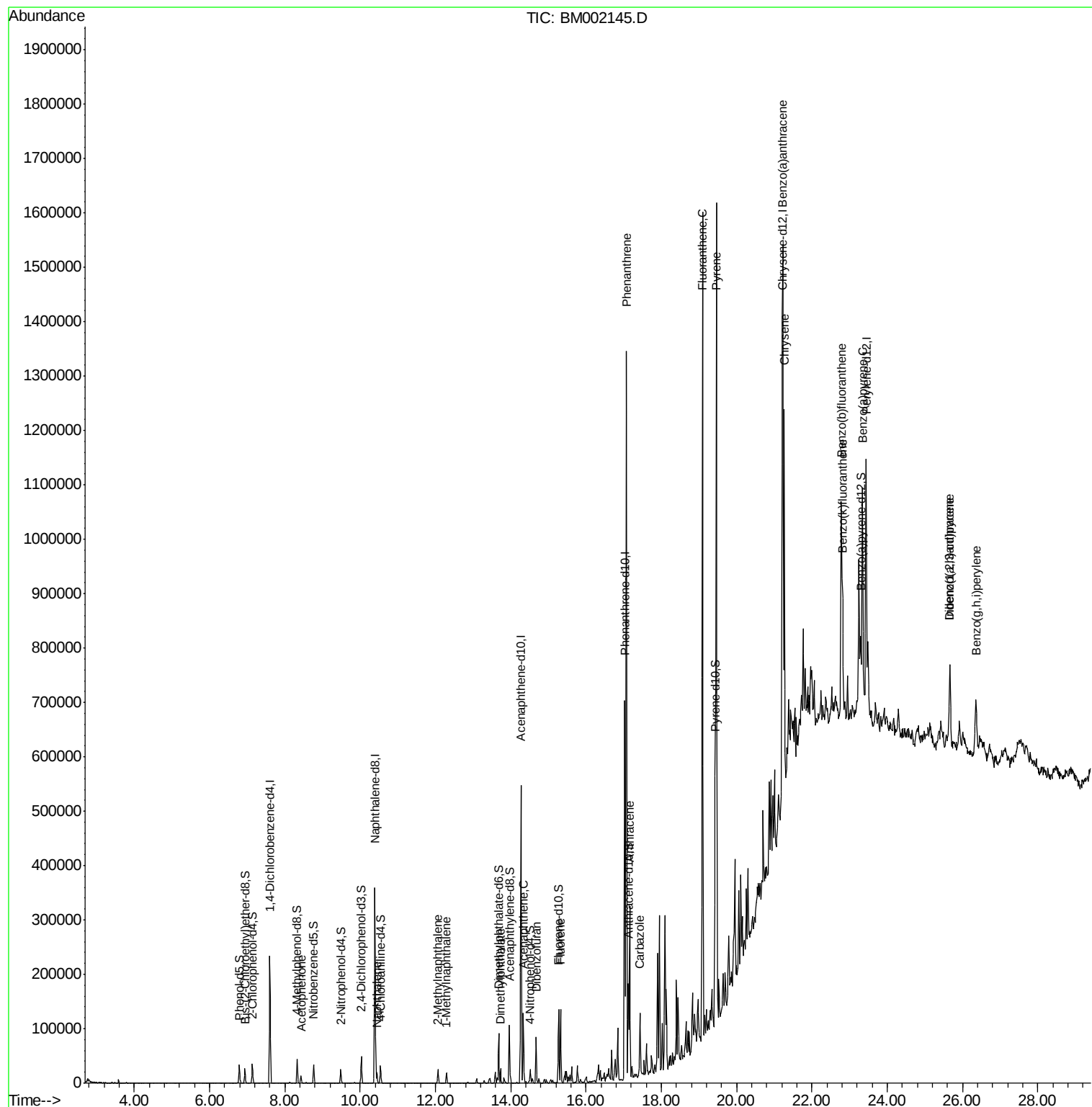
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Sample : G3035-13DL 5X
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ALS Vial : 15 Sample Multiplier: 1

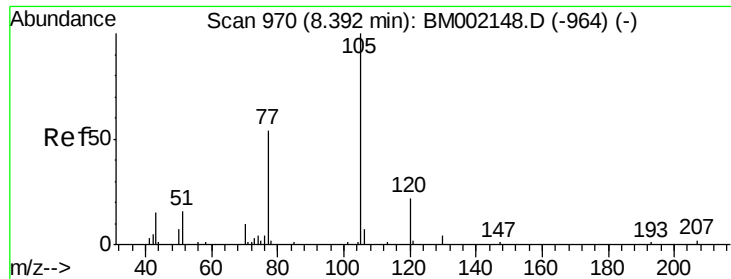
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#14

Acetophenone

Concen: 1.39 ng/ul

RT: 8.43 min Scan# 976

Delta R.T. 0.02 min

Lab File: BM002145.D

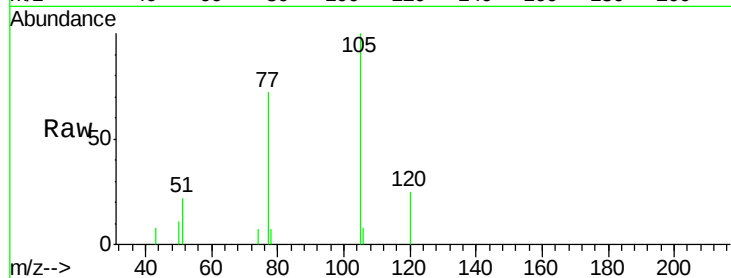
Acq: 30 Jul 2015 20:24

Instrument :

BNA_M

ClientSampleId :

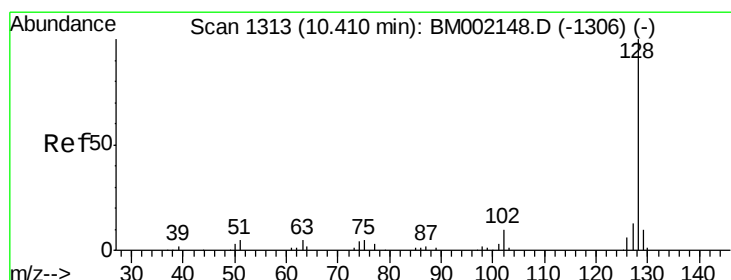
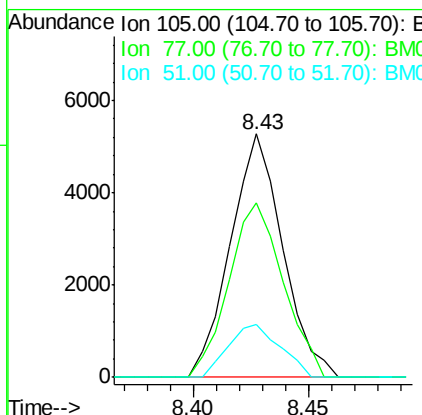
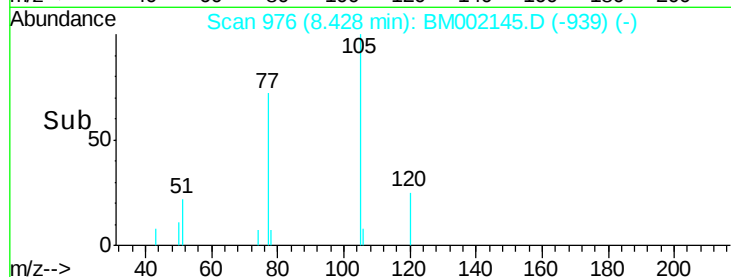
C02J6DL



Tgt Ion:	105	Resp:	8317
Ion Ratio	Lower	Upper	
105	100		
77	71.5	61.8	92.8
51	21.8	18.5	27.7

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#28

Naphthalene

Concen: 1.33 ng/ul

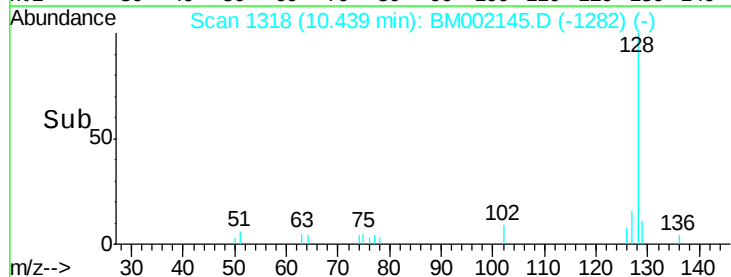
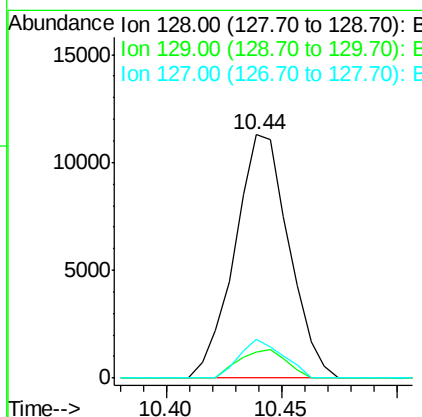
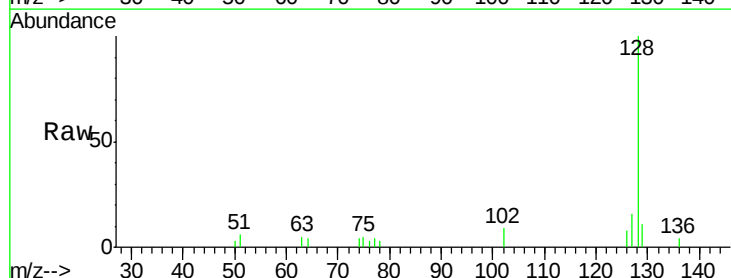
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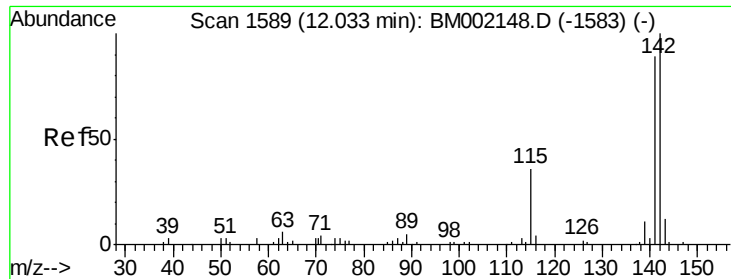
Delta R.T. 0.01 min

Lab File: BM002145.D

Acq: 30 Jul 2015 20:24

Tgt Ion:	128	Resp:	18464
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.0	13.4
127	15.8	10.2	15.4#





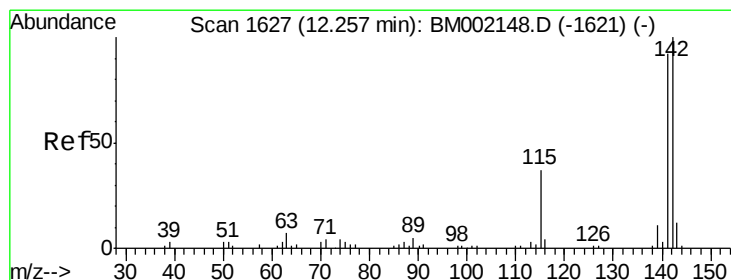
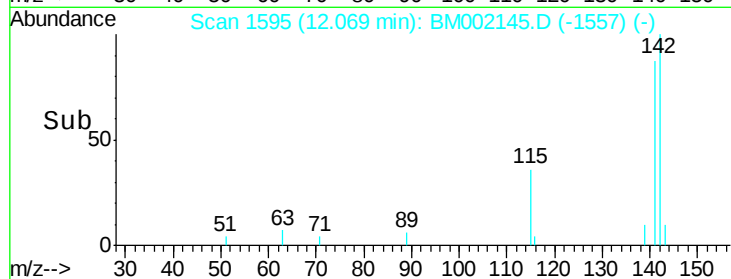
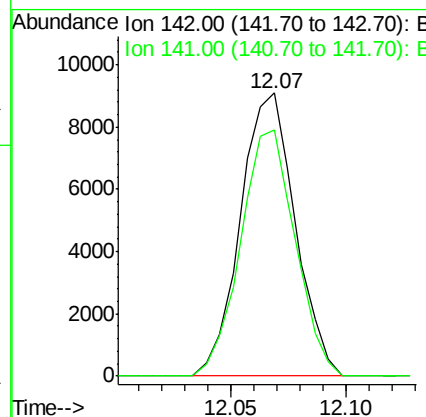
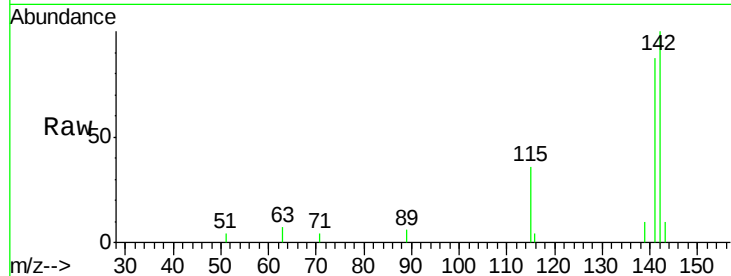
#34
2-Methylnaphthalene
Concen: 1.48 ng/ul
RT: 12.07 min Scan# 1595
Delta R.T. 0.02 min
Lab File: BM002145.D
Acq: 30 Jul 2015 20:24

Instrument :
BNA_M
ClientSampleId :
C02J6DL

Tgt Ion:142 Resp: 14998
Ion Ratio Lower Upper
142 100
141 86.9 69.8 104.6

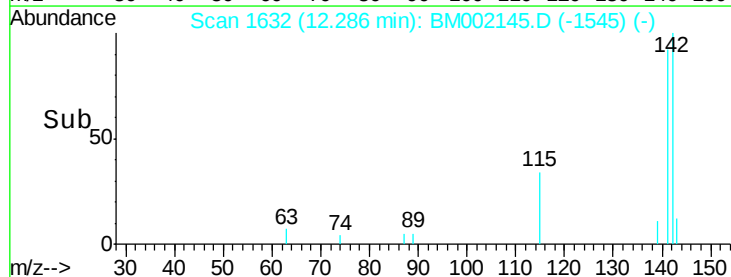
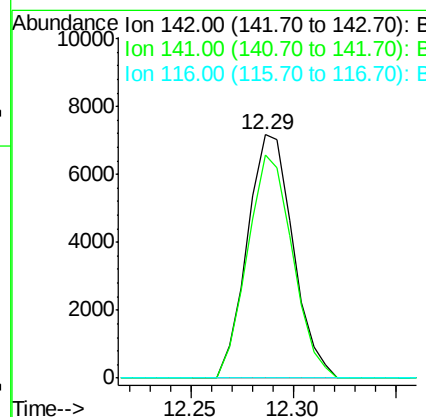
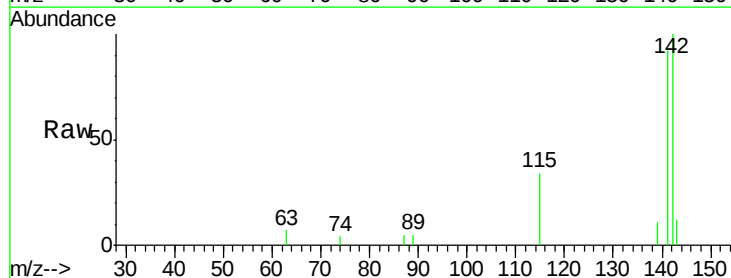
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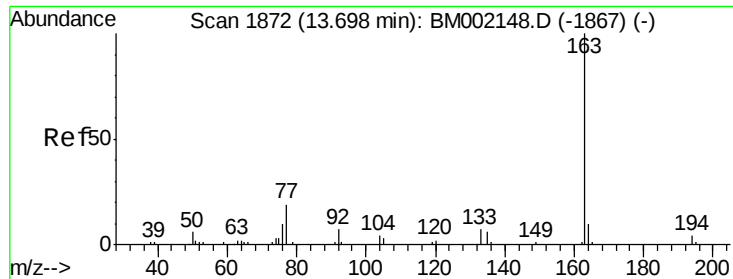
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#35
1-Methylnaphthalene
Concen: 1.14 ng/ul m
RT: 12.29 min Scan# 1632
Delta R.T. 0.01 min
Lab File: BM002145.D
Acq: 30 Jul 2015 20:24

Tgt Ion:142 Resp: 11070
Ion Ratio Lower Upper
142 100
141 91.8 72.4 108.6
116 0.0 3.2 4.8#





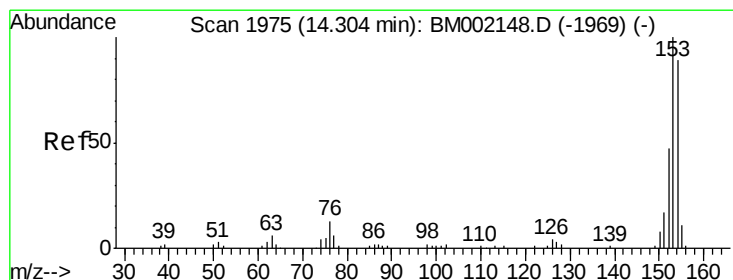
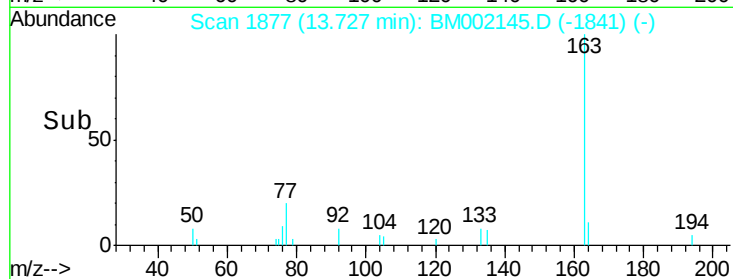
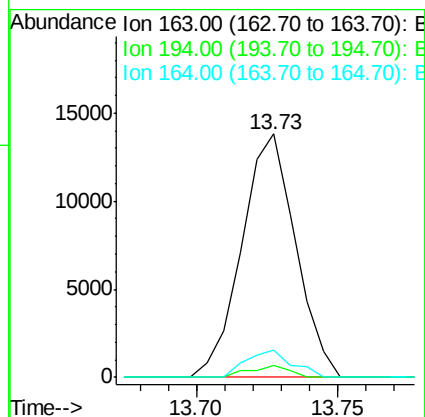
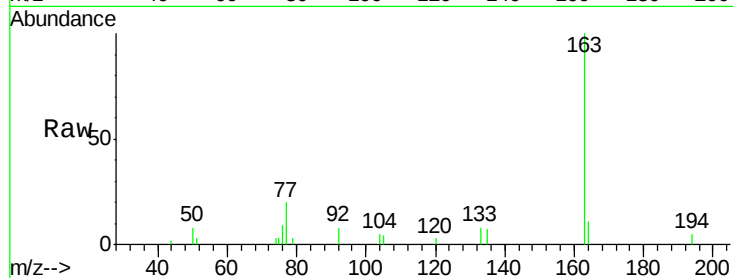
#45
Dimethylphthalate
Concen: 1.35 ng/ul
RT: 13.73 min Scan# 1877
Delta R.T. 0.01 min
Lab File: BM002145.D
Acq: 30 Jul 2015 20:24

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	18259		
194	4.7	3.5	5.3	
164	11.1	8.0	12.0	

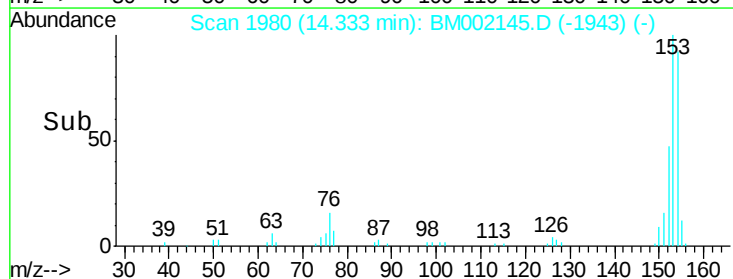
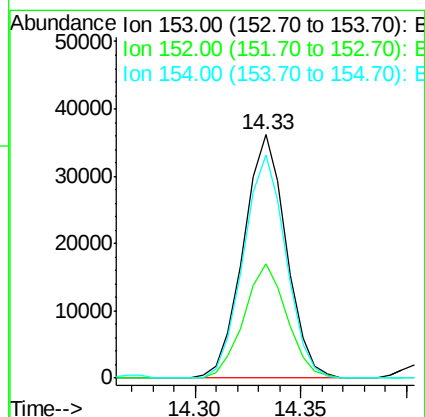
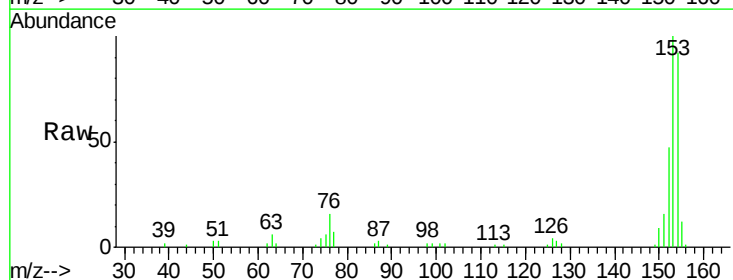
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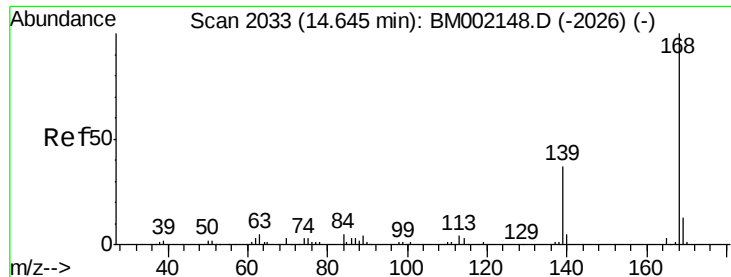
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#50
Acenaphthene
Concen: 4.46 ng/ul
RT: 14.33 min Scan# 1980
Delta R.T. 0.02 min
Lab File: BM002145.D
Acq: 30 Jul 2015 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	50945		
152	46.8	37.3	55.9	
154	91.6	71.4	107.2	





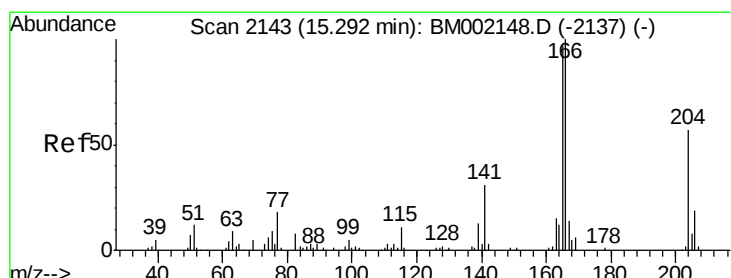
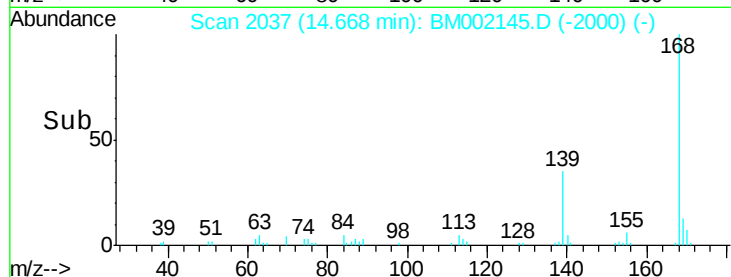
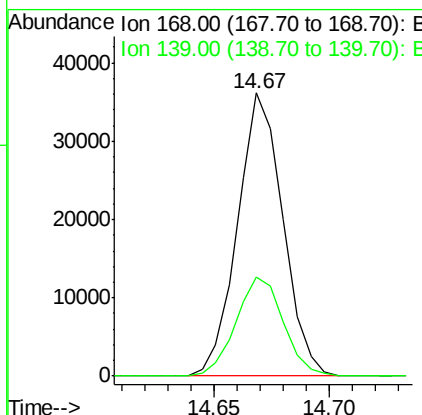
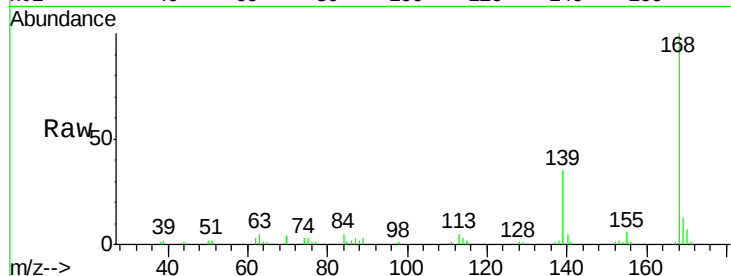
#54
Dibenzenofuran
Concen: 3.02 ng/ul
RT: 14.67 min Scan# 2037
Delta R.T. 0.02 min
Lab File: BM002145.D
Acq: 30 Jul 2015 20:24

Instrument :
BNA_M
ClientSampleId :
C02J6DL

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.0	28.2	42.2

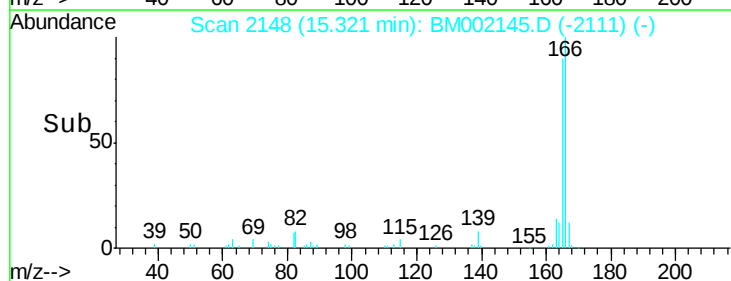
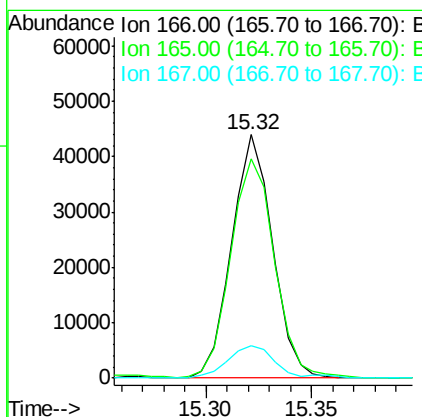
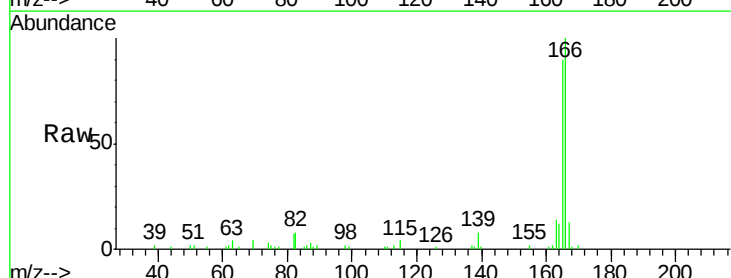
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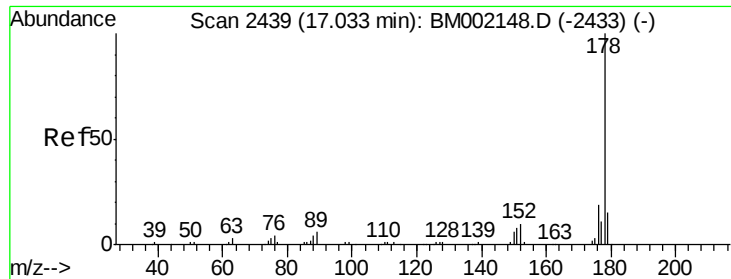
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#59
Fluorene
Concen: 4.35 ng/ul
RT: 15.32 min Scan# 2148
Delta R.T. 0.02 min
Lab File: BM002145.D
Acq: 30 Jul 2015 20:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.0	75.6	113.4
167	13.1	10.5	15.7





#70

Phenanthrene

Concen: 37.39 ng/ul

RT: 17.07 min Scan# 2445

Delta R.T. 0.02 min

Lab File: BM002145.D

Acq: 30 Jul 2015 20:24

Instrument :

BNA_M

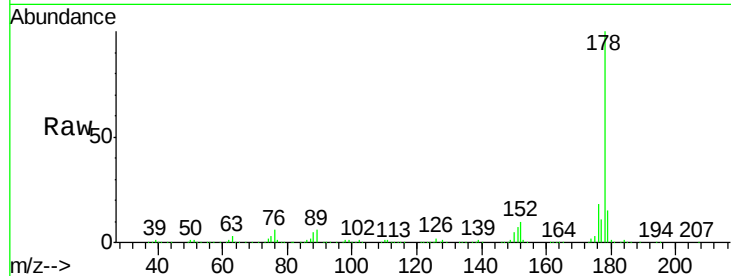
ClientSampleId :

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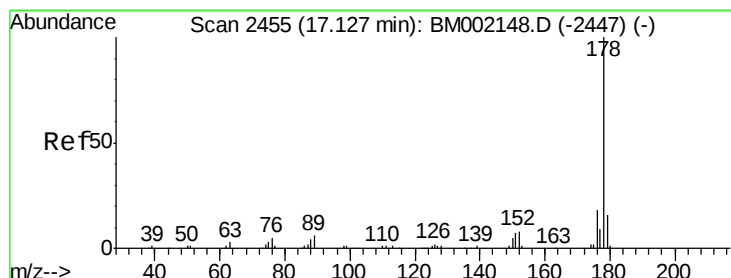
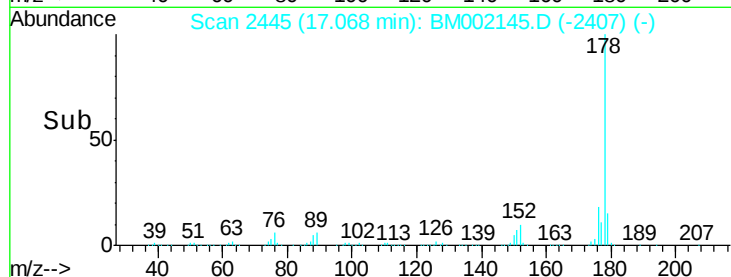
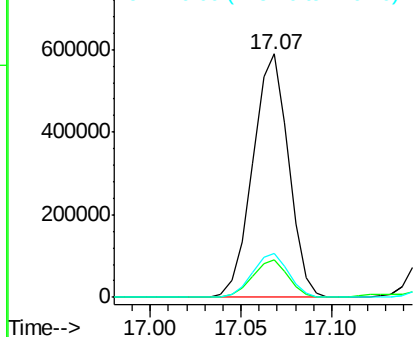
Tgt Ion:	178	Resp:	807794
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.5	18.7
176	17.9	14.2	21.4

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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



#72

Anthracene

Concen: 8.93 ng/ul

RT: 17.16 min Scan# 2460

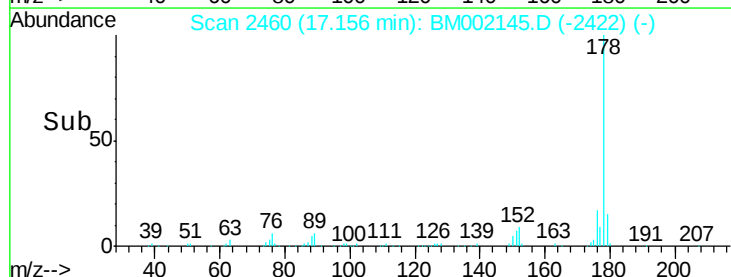
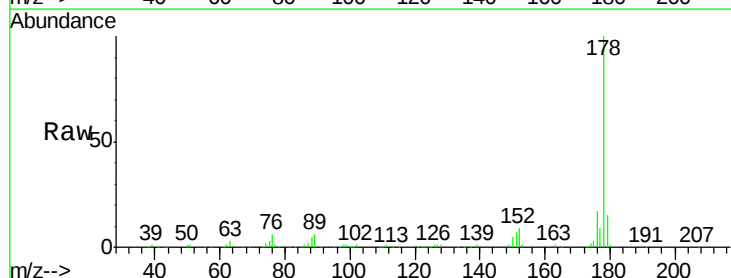
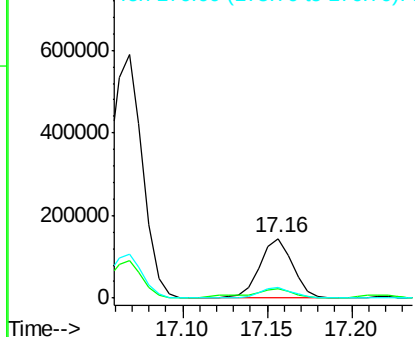
Delta R.T. 0.02 min

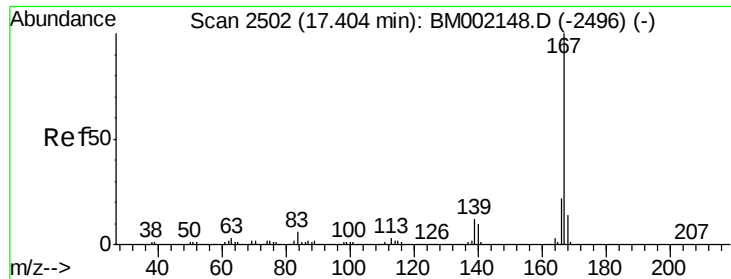
Lab File: BM002145.D

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Tgt Ion:	178	Resp:	197309
Ion Ratio	Lower	Upper	
178	100		
179	15.4	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





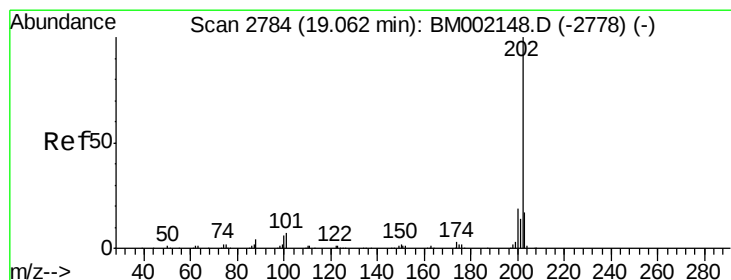
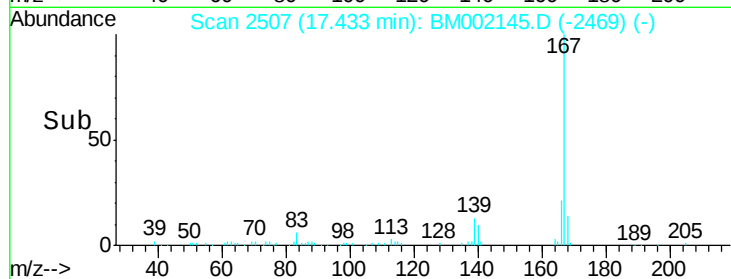
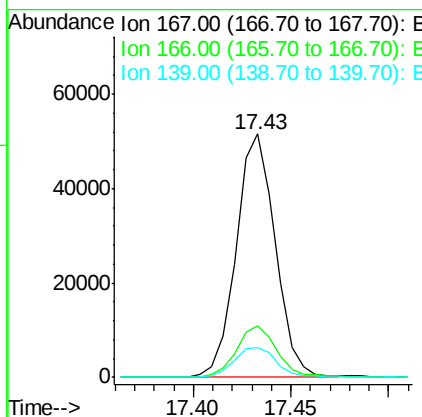
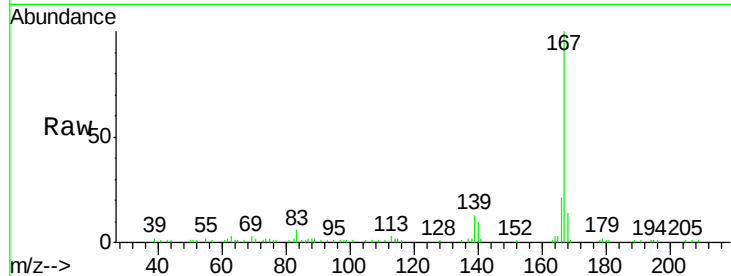
#75
 Carbazole
 Concen: 3.77 ng/ul
 RT: 17.43 min Scan# 2507
 Delta R.T. 0.02 min
 Lab File: BM002145.D
 Acq: 30 Jul 2015 20:24

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
167	100	71206		
166	21.1		16.2	24.4
139	12.5		9.6	14.4

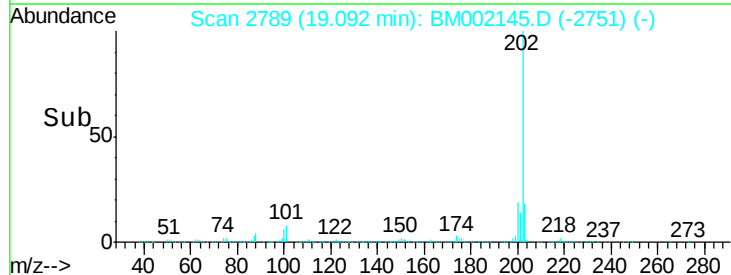
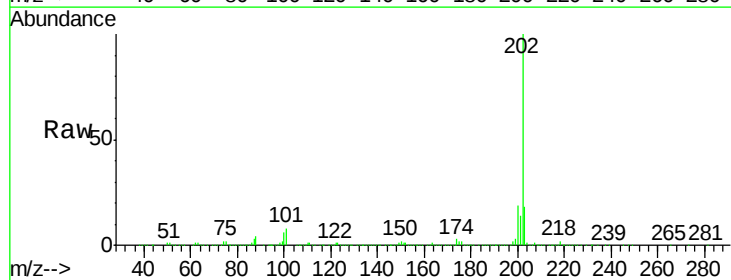
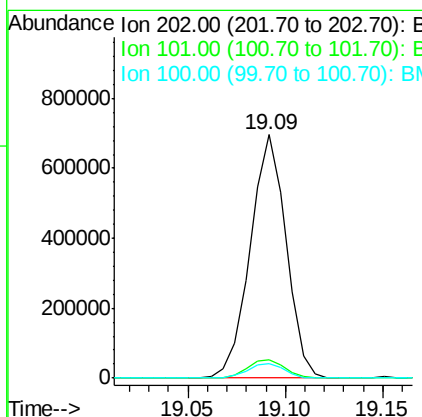
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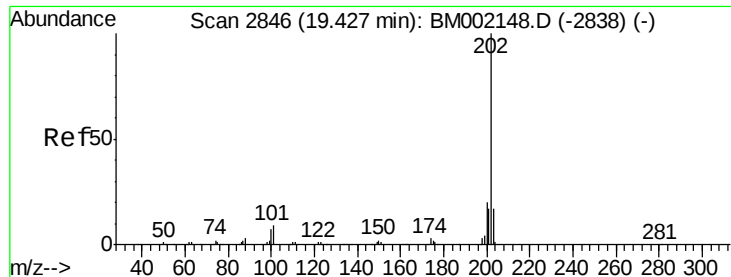
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#77
 Fluoranthene
 Concen: 35.35 ng/ul
 RT: 19.09 min Scan# 2789
 Delta R.T. 0.02 min
 Lab File: BM002145.D
 Acq: 30 Jul 2015 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	881844		
101	7.7		6.2	9.4
100	6.2		5.2	7.8





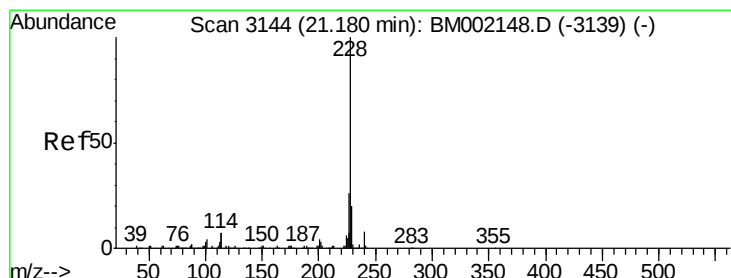
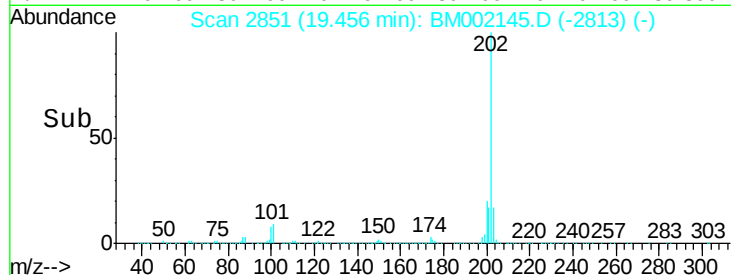
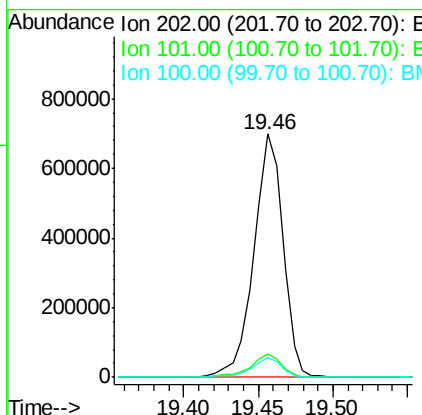
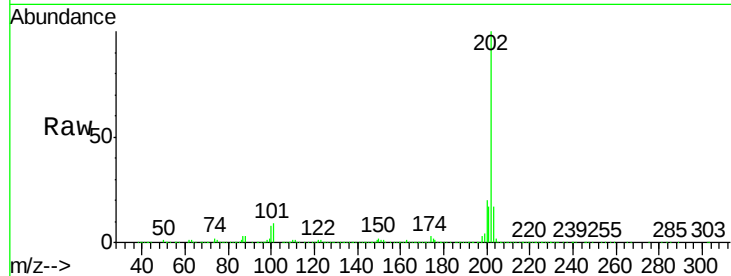
#80
 Pyrene
 Concen: 46.16 ng/ul
 RT: 19.46 min Scan# 2851
 Delta R.T. 0.02 min
 Lab File: BM002145.D
 Acq: 30 Jul 2015 20:24

Instrument :
 BNA_M
 ClientSampleId :
 C02J6DL

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	939627		
101	9.4	7.4	11.2	
100	7.9	6.3	9.5	

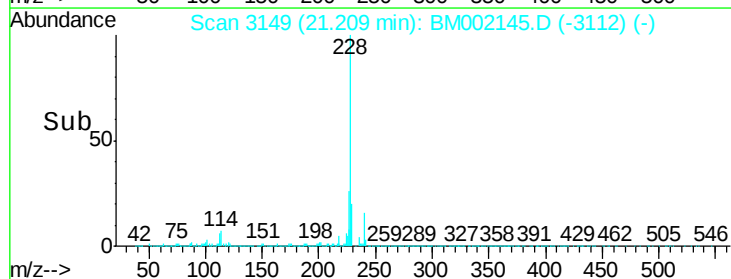
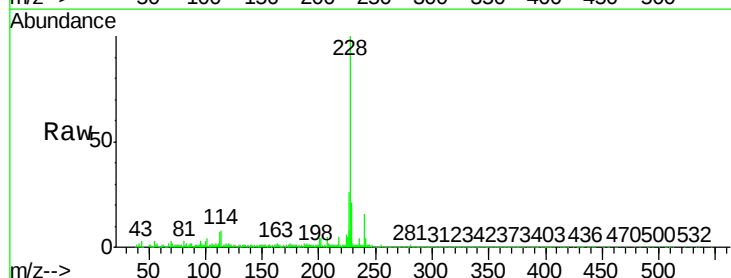
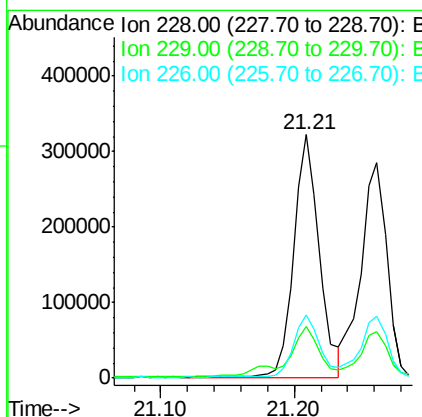
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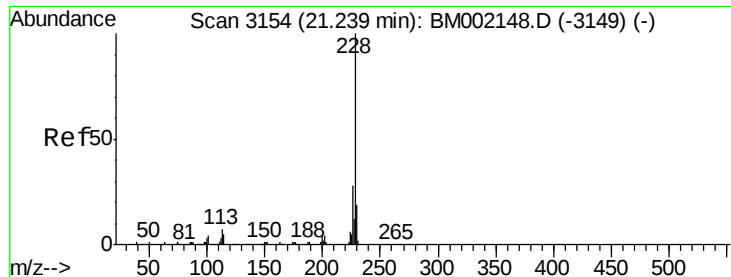
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#83
 Benzo(a)anthracene
 Concen: 20.40 ng/ul
 RT: 21.21 min Scan# 3149
 Delta R.T. 0.02 min
 Lab File: BM002145.D
 Acq: 30 Jul 2015 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	423003		
229	21.1	15.4	23.2	
226	26.0	20.5	30.7	





#85

Chrysene

Concen: 19.78 ng/ul

RT: 21.26 min Scan# 3158

Delta R.T. 0.02 min

Lab File: BM002145.D

Acq: 30 Jul 2015 20:24

Instrument :

BNA_M

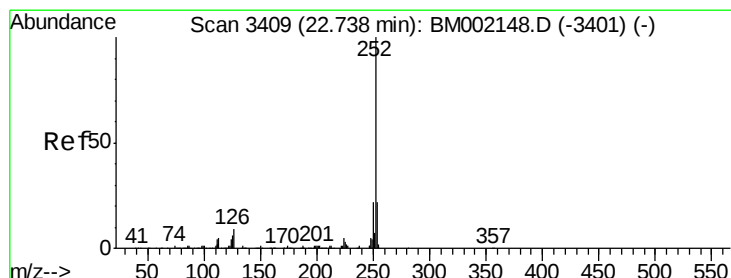
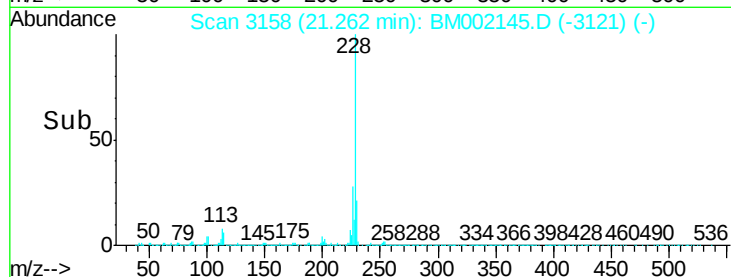
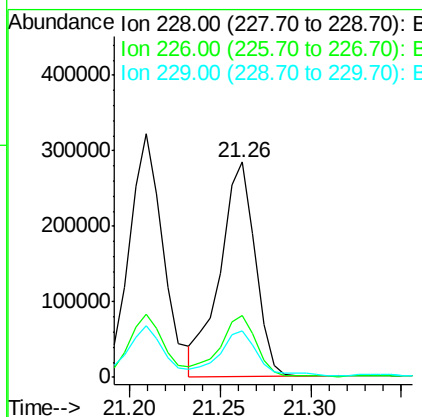
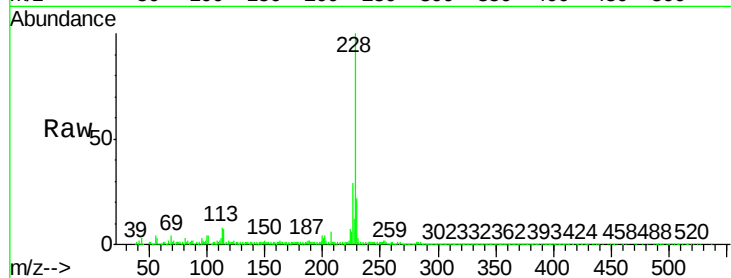
ClientSampleId :

C02J6DL

Tgt Ion:	228	Resp:	383733
Ion Ratio	Lower	Upper	
228	100		
226	28.7	22.3	33.5
229	21.8	15.5	23.3

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#88

Benzo(b)fluoranthene

Concen: 20.65 ng/ul

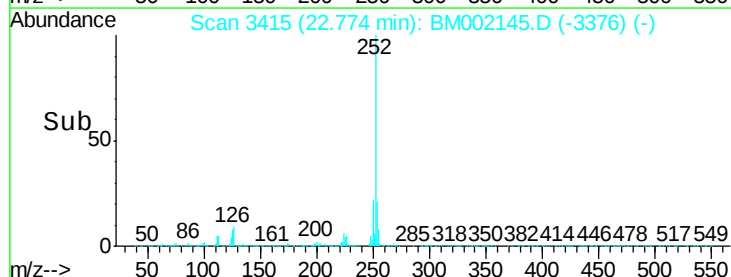
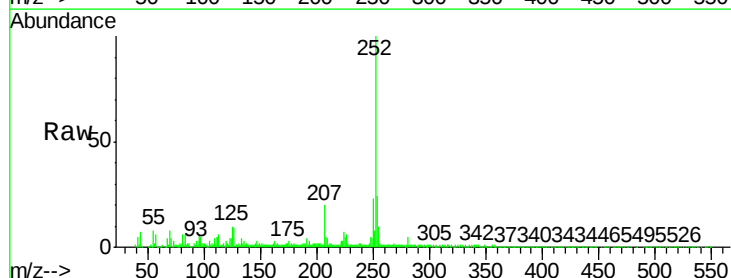
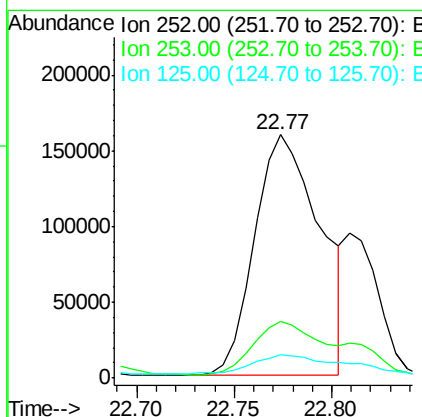
RT: 22.77 min Scan# 3415

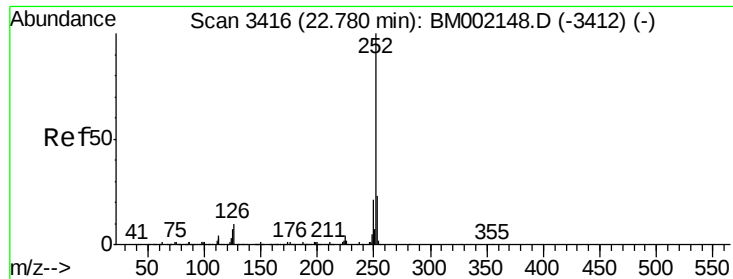
Delta R.T. 0.03 min

Lab File: BM002145.D

Acq: 30 Jul 2015 20:24

Tgt Ion:	252	Resp:	369680
Ion Ratio	Lower	Upper	
252	100		
253	23.6	16.9	25.3
125	9.5	6.2	9.2#





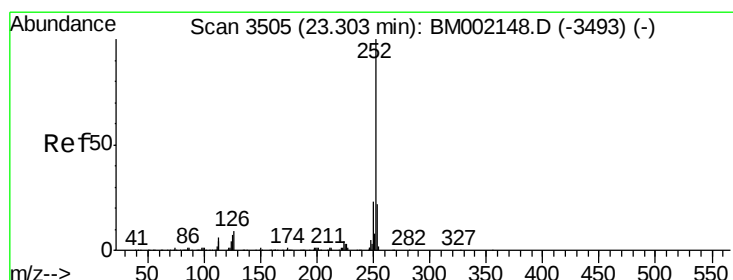
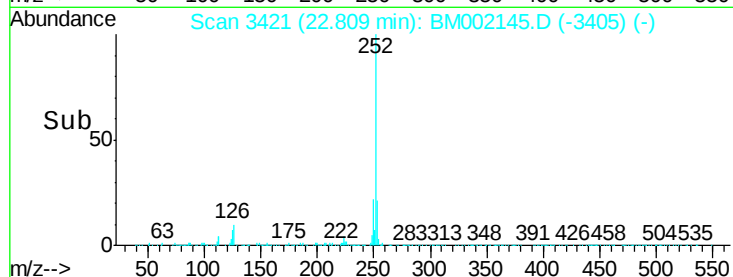
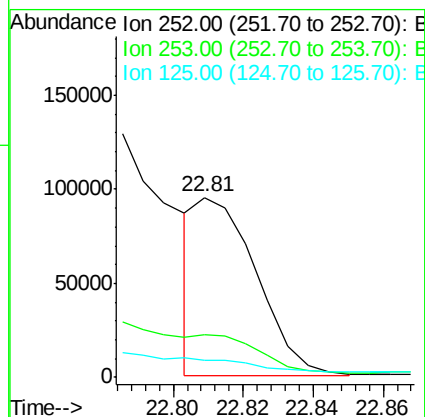
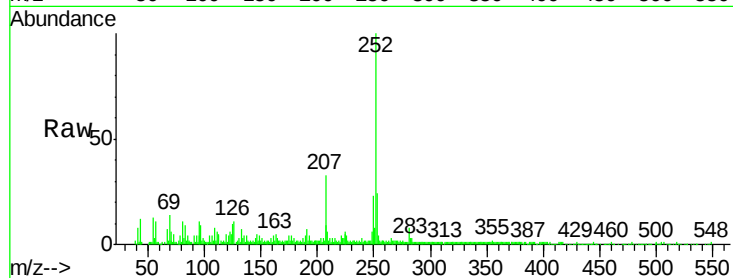
#89
Benzo(k)fluoranthene
Concen: 6.44 ng/ul m
RT: 22.81 min Scan# 3421
Delta R.T. 0.02 min
Lab File: BM002145.D
Acq: 30 Jul 2015 20:24

Instrument :
BNA_M
ClientSampleId :
C02J6DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.0
125	9.7	6.2	9.4#

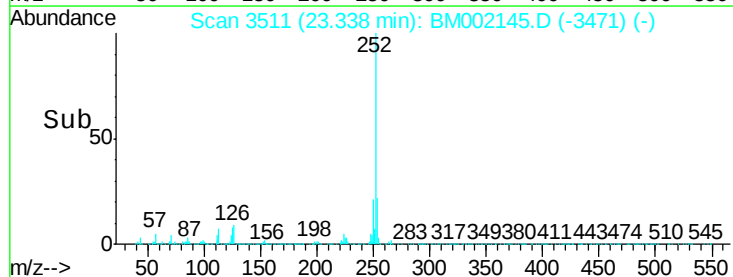
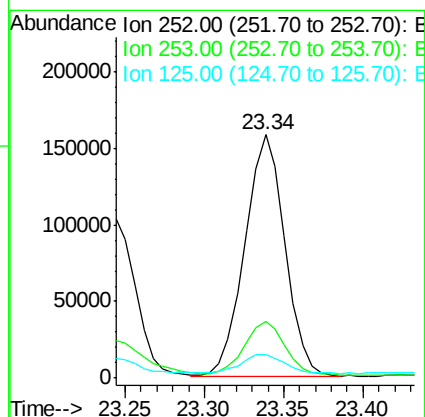
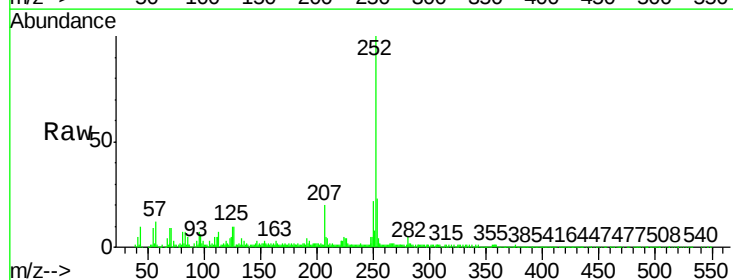
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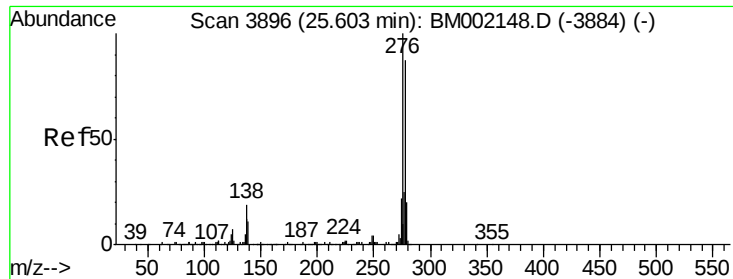
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#91
Benzo(a)pyrene
Concen: 15.92 ng/ul
RT: 23.34 min Scan# 3511
Delta R.T. 0.04 min
Lab File: BM002145.D
Acq: 30 Jul 2015 20:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	9.6	6.6	10.0





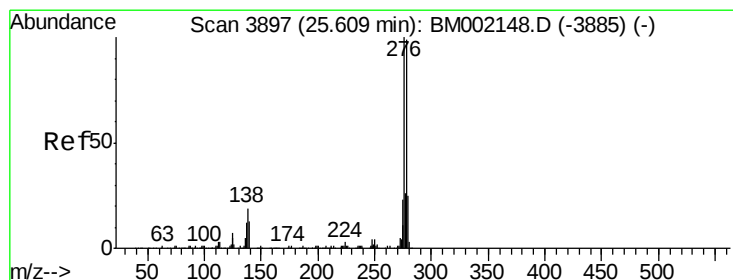
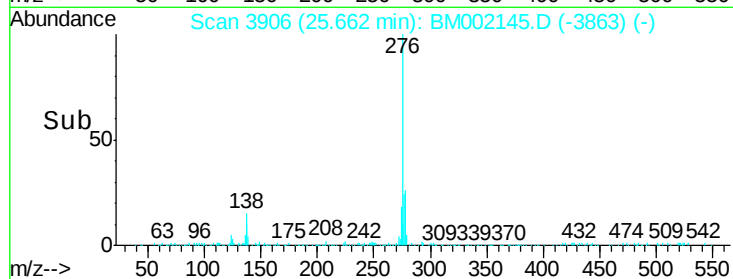
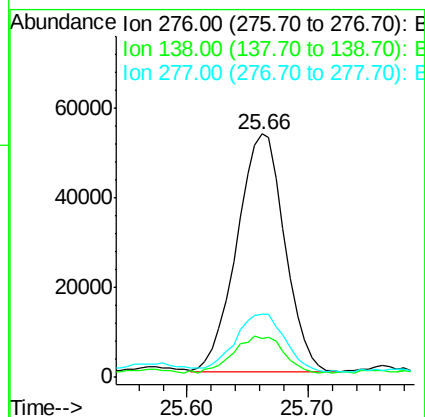
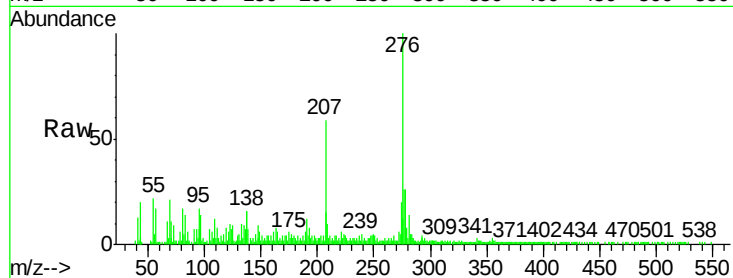
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 7.35 ng/ul
 RT: 25.66 min Scan# 3906
 Delta R.T. 0.05 min
 Lab File: BM002145.D
 Acq: 30 Jul 2015 20:24

Instrument :
 BNA_M
 ClientSampleId :
 C02J6DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.0	16.2	24.2#
277	25.7	19.8	29.8

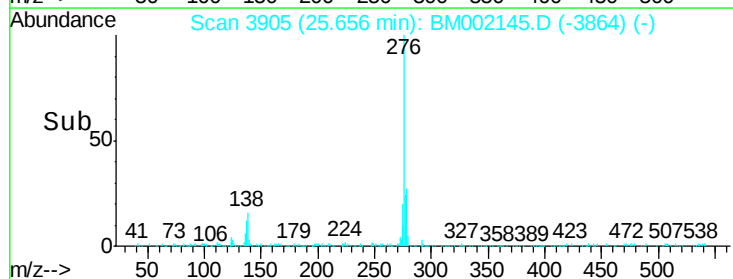
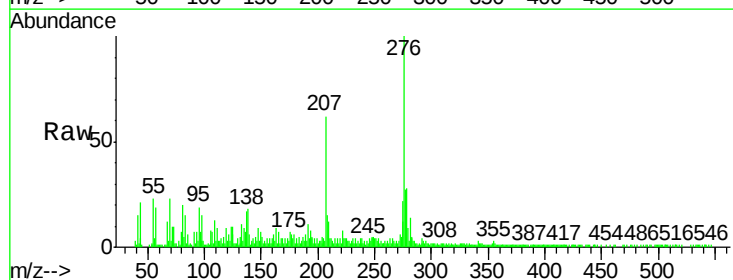
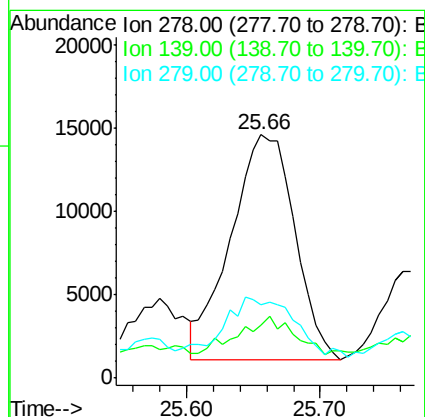
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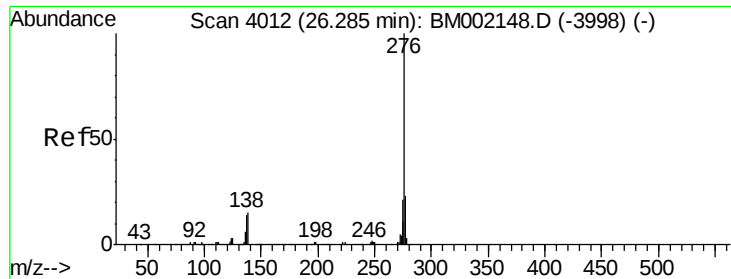
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#93
 Dibenzo(a,h)anthracene
 Concen: 2.63 ng/ul
 RT: 25.66 min Scan# 3905
 Delta R.T. 0.04 min
 Lab File: BM002145.D
 Acq: 30 Jul 2015 20:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.9	10.6	16.0#
279	30.3	18.5	27.7#





#94
 Benzo(g,h,i)perylene
 Concen: 8.18 ng/ul
 RT: 26.35 min Scan# 4023
 Delta R.T. 0.06 min
 Lab File: BM002145.D
 Acq: 30 Jul 2015 20:24

Instrument :
 BNA_M
 ClientSampleId :
 C02J6DL

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100				
138	18.0	13.8	20.6		
277	27.3	18.2	27.2#		

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