

Data Path : Z:\HPCHEM1\BNA_M\Data\BM073015\
 Data File : BM002140.D
 Acq On : 30 Jul 2015 17:19
 Operator : TP/UM
 Sample : G3048-10RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01X4RE

Manual Integrations
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MMDadoda
 8/3/2015 11:53:52 AM

Quant Time: Aug 07 18:32:56 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	7.60	152	149373	20.00	ng/ul	0.01
18) Naphthalene-d8	10.39	136	634237	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.27	164	376881	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.02	188	739854	20.00	ng/ul	0.02
78) Chrysene-d12	21.23	240	714754	20.00	ng/ul	0.02
86) Perylene-d12	23.44	264	695032	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	4865	1.69	ng/uL	0.00
5) Phenol-d5	6.79	99	107868	10.10	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.93	67	67115	11.37	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	99823	11.03	ng/ul	0.01
13) 4-Methylphenol-d8	8.32	113	47085	5.55	ng/ul	0.02
19) Nitrobenzene-d5	8.76	128	51494	11.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.48	143	50290	10.04	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.02	165	94988	9.85	ng/ul	0.02
29) 4-Chloroaniline-d4	10.53	131	39328	3.71	ng/ul	0.01
44) Dimethylphthalate-d6	13.68	166	315558	11.43	ng/ul	0.01
47) Acenaphthylene-d8	13.96	160	334714	9.70	ng/ul	0.01
52) 4-Nitrophenol-d4	14.51	143	23749	5.15	ng/ul	0.04
58) Fluorene-d10	15.26	176	234462	9.65	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.41	200	2155	0.48	ng/ul	0.02
71) Anthracene-d10	17.12	188	312874	9.47	ng/ul	0.02
79) Pyrene-d10	19.43	212	308341	10.25	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.30	264	297357	8.83	ng/ul	0.04

Target Compounds

					Qvalue	
14) Acetophenone	8.42	105	18095	1.35	ng/ul	95
28) Naphthalene	10.44	128	140242	4.65	ng/ul#	85
34) 2-Methylnaphthalene	12.06	142	430295	19.63	ng/ul	98
41) 1,1'-Biphenyl	13.09	154	39293	1.35	ng/ul	99
45) Dimethylphthalate	13.72	163	151177	5.48	ng/ul	98
50) Acenaphthene	14.33	153	50756	2.17	ng/ul	97
54) Dibenzofuran	14.67	168	43978	1.31	ng/ul#	84
59) Fluorene	15.32	166	66920	2.42	ng/ul#	95
70) Phenanthrene	17.06	178	473559	12.36	ng/ul	98
72) Anthracene	17.16	178	123542m	3.15	ng/ul	
77) Fluoranthene	19.09	202	808837	18.28	ng/ul	99
80) Pyrene	19.46	202	671087	17.25	ng/ul	98
83) Benzo(a)anthracene	21.21	228	327121	8.26	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.13	149	552347	24.29	ng/ul	99
85) Chrysene	21.26	228	332082m	8.96	ng/ul	
88) Benzo(b)fluoranthene	22.78	252	395338	10.12	ng/ul#	89
89) Benzo(k)fluoranthene	22.82	252	128833m	3.42	ng/ul	
91) Benzo(a)pyrene	23.34	252	225360	5.98	ng/ul#	85
92) Indeno(1,2,3-cd)pyrene	25.67	276	176629	4.07	ng/ul	98
93) Dibenzo(a,h)anthracene	25.67	278	53088	1.43	ng/ul#	62
94) Benzo(g,h,i)perylene	26.36	276	177676	4.88	ng/ul	93

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

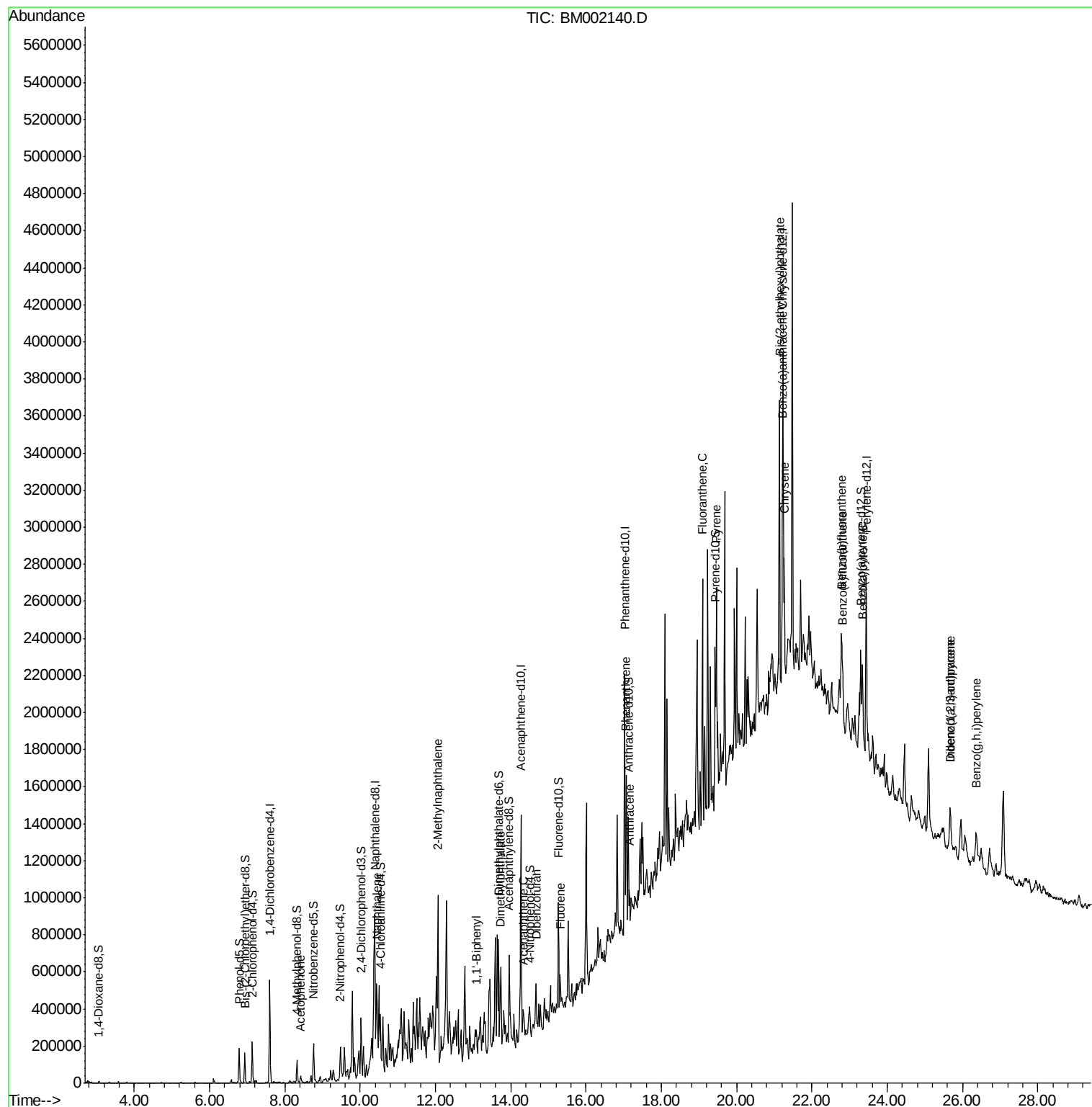
Data Path : Z:\HPCHEM1\BNA_M\Data\BM073015\
Data File : BM002140.D
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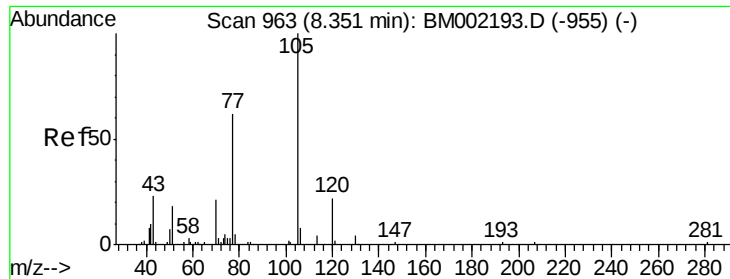
Instrument :
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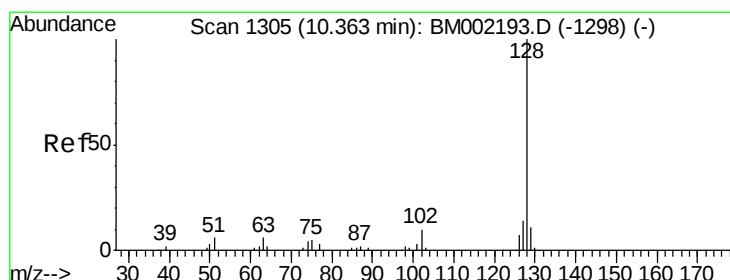
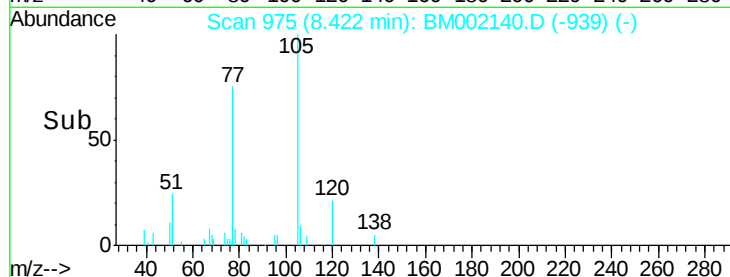
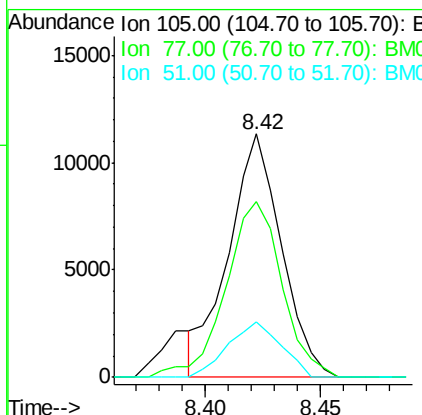
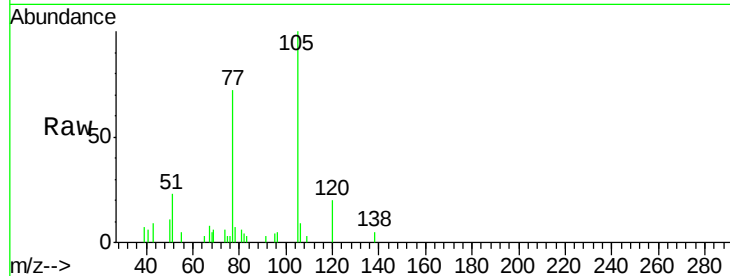
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Acetophenone
Concen: 1.35 ng/ul
RT: 8.42 min Scan# 975
Delta R.T. 0.01 min
Lab File: BM002140.D
Acq: 30 Jul 2015 17:19

Instrument :
BNA_M
ClientSampleId :
C01X4RE

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	18095		
77	72.2	61.8	92.8	
51	22.8	18.5	27.7	

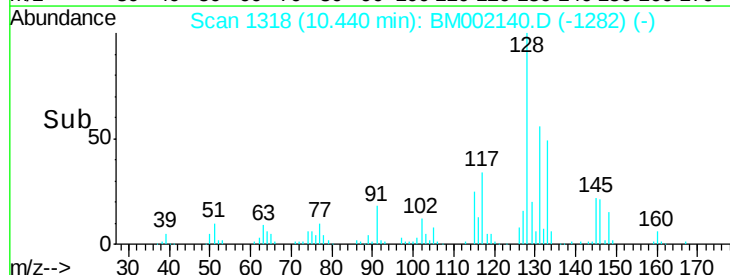
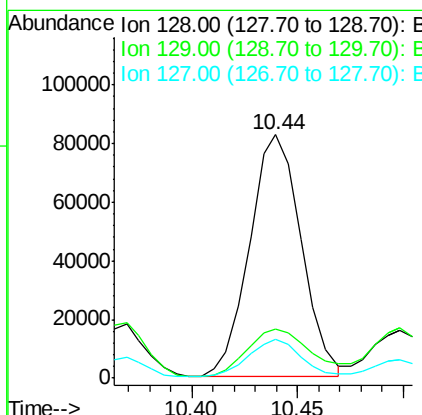
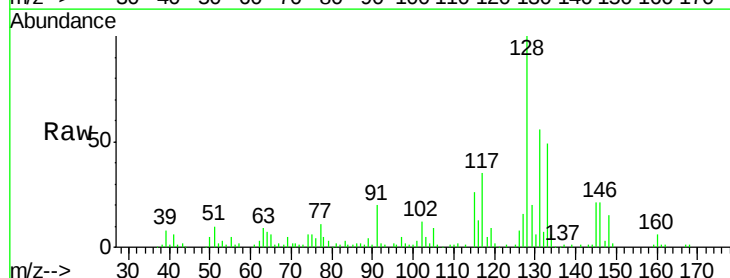
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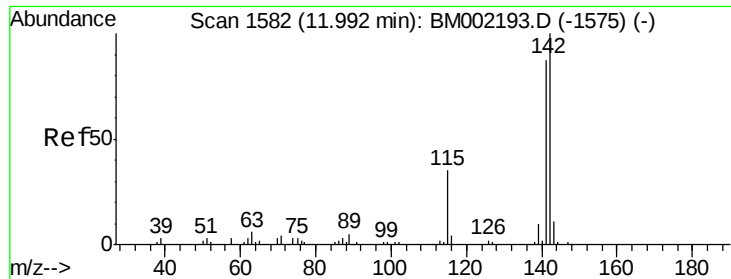
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#28
Naphthalene
Concen: 4.65 ng/ul
RT: 10.44 min Scan# 1318
Delta R.T. 0.01 min
Lab File: BM002140.D
Acq: 30 Jul 2015 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	140242		
129	20.4	9.0	13.4#	
127	16.0	10.2	15.4#	





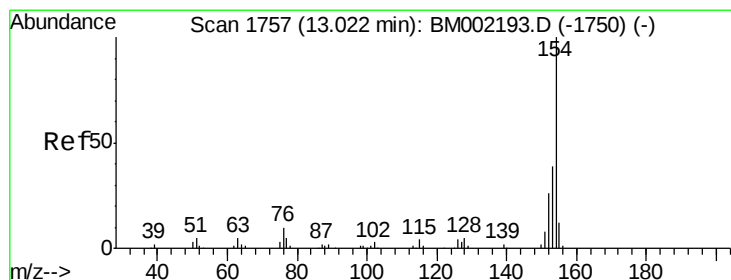
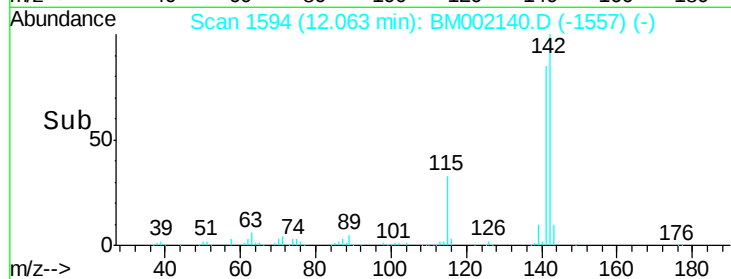
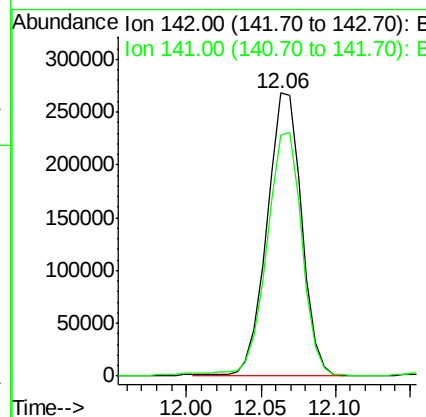
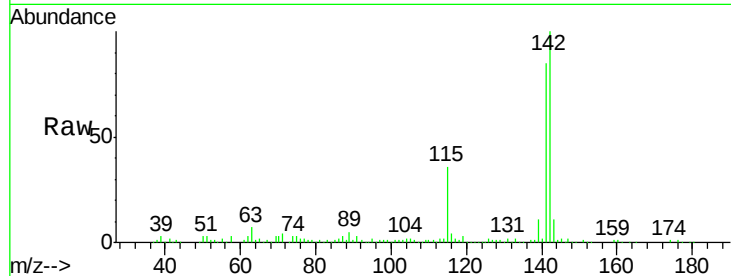
#34
2-Methylnaphthalene
Concen: 19.63 ng/ul
RT: 12.06 min Scan# 1594
Delta R.T. 0.02 min
Lab File: BM002140.D
Acq: 30 Jul 2015 17:19

Instrument :
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ClientSampleId :
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Tgt Ion:142 Resp: 430295
Ion Ratio Lower Upper
142 100
141 85.1 69.8 104.6

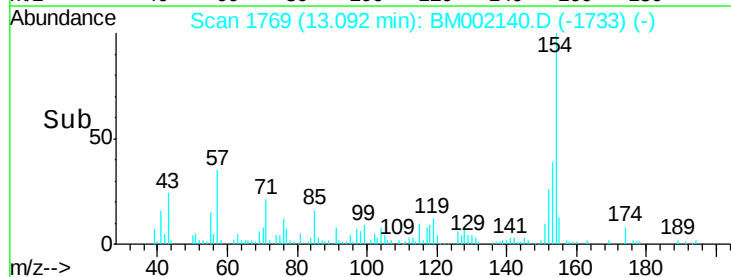
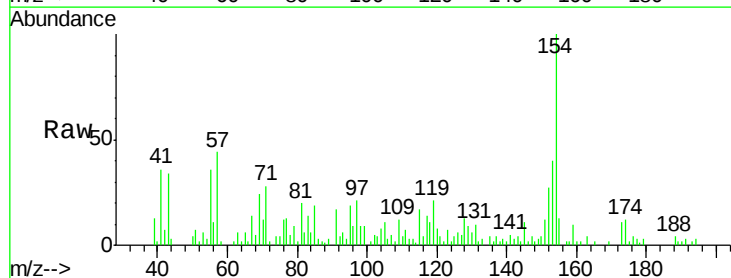
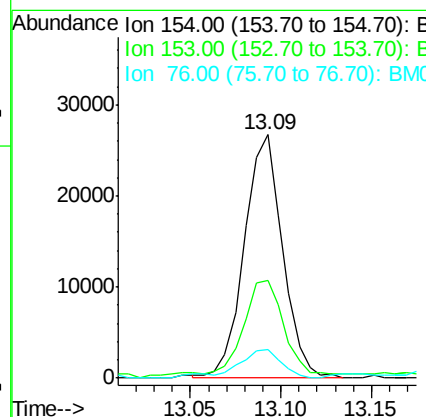
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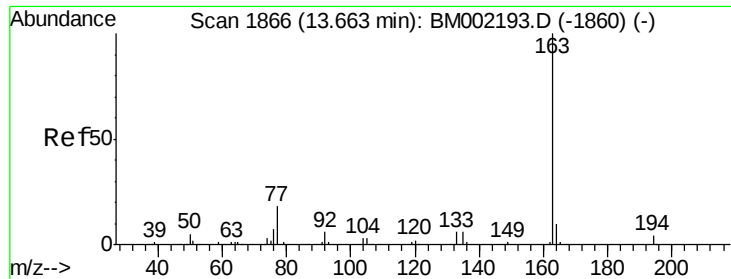
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#41
1,1'-Biphenyl
Concen: 1.35 ng/ul
RT: 13.09 min Scan# 1769
Delta R.T. 0.01 min
Lab File: BM002140.D
Acq: 30 Jul 2015 17:19

Tgt Ion:154 Resp: 39293
Ion Ratio Lower Upper
154 100
153 40.0 32.5 48.7
76 11.5 8.8 13.2





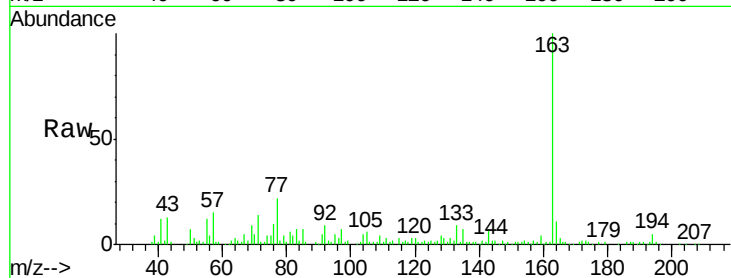
#45
Dimethylphthalate
Concen: 5.48 ng/ul
RT: 13.72 min Scan# 1876
Delta R.T. 0.01 min
Lab File: BM002140.D
Acq: 30 Jul 2015 17:19

Instrument :
BNA_M
ClientSampleId :
C01X4RE

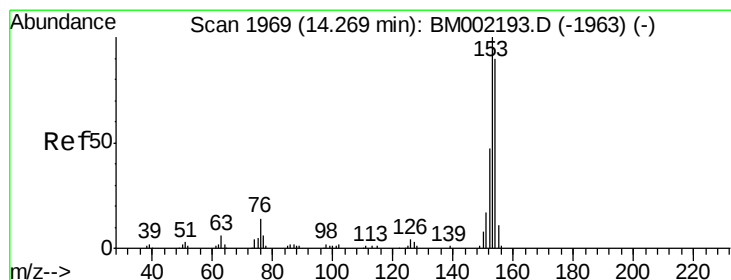
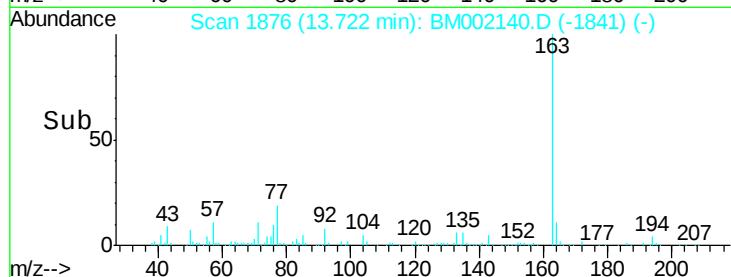
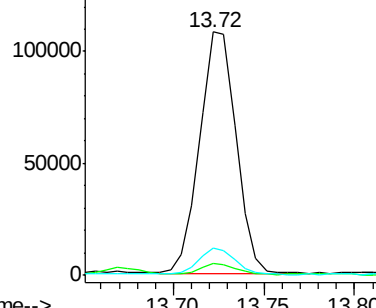
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	151177		
194	4.7	3.5	5.3	
164	11.0	8.0	12.0	

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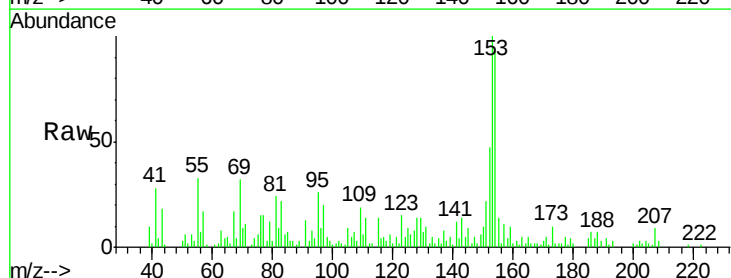


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

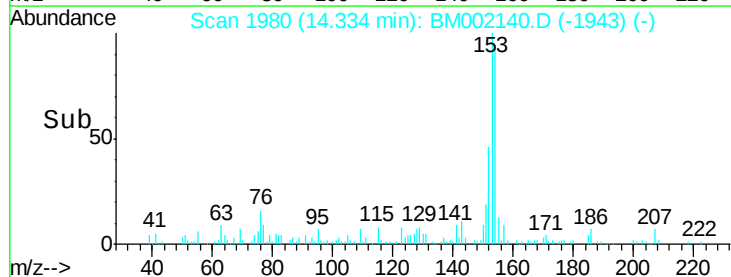
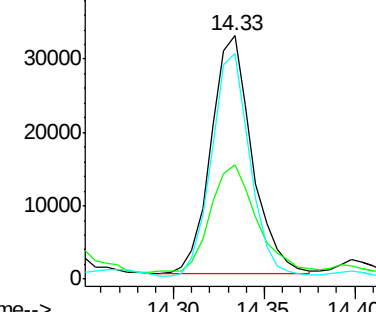


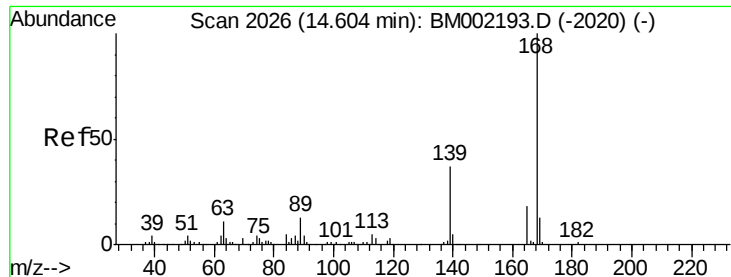
#50
Acenaphthene
Concen: 2.17 ng/ul
RT: 14.33 min Scan# 1980
Delta R.T. 0.02 min
Lab File: BM002140.D
Acq: 30 Jul 2015 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	50756		
152	47.0	37.3	55.9	
154	92.9	71.4	107.2	



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#54

Dibenzo(f,h)quinoxaline

Concen: 1.31 ng/ul

RT: 14.67 min Scan# 2037

Delta R.T. 0.02 min

Lab File: BM002140.D

Acq: 30 Jul 2015 17:19

Instrument :

BNA_M

ClientSampleId :

C01X4RE

Tgt Ion:168 Resp: 43978

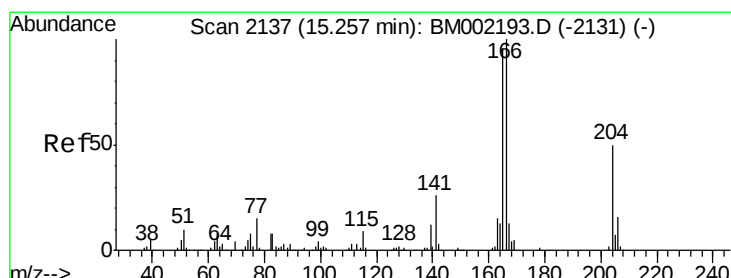
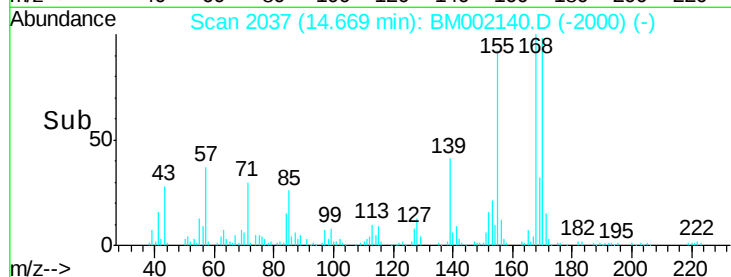
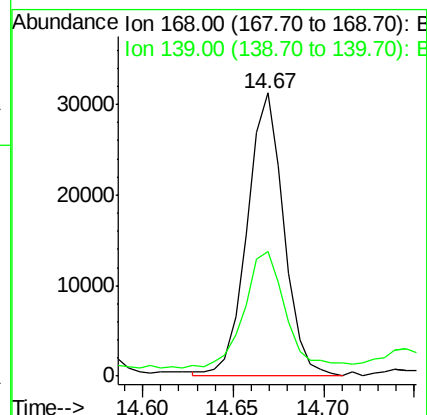
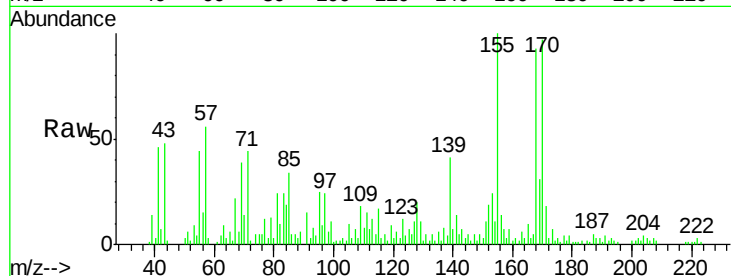
Ion Ratio Lower Upper

168 100

139 44.2 28.2 42.2#

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#59

Fluorene

Concen: 2.42 ng/ul

RT: 15.32 min Scan# 2148

Delta R.T. 0.02 min

Lab File: BM002140.D

Acq: 30 Jul 2015 17:19

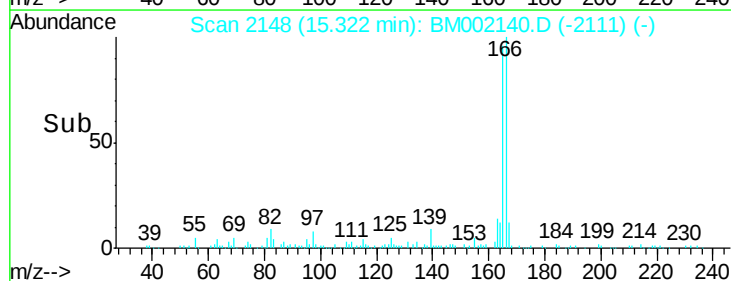
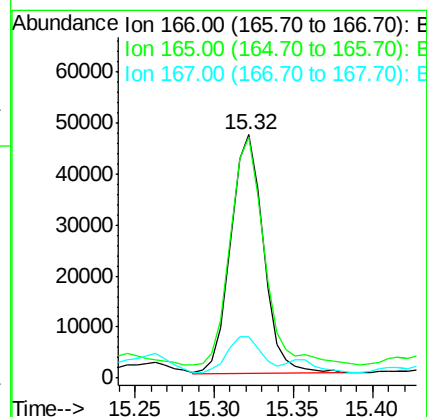
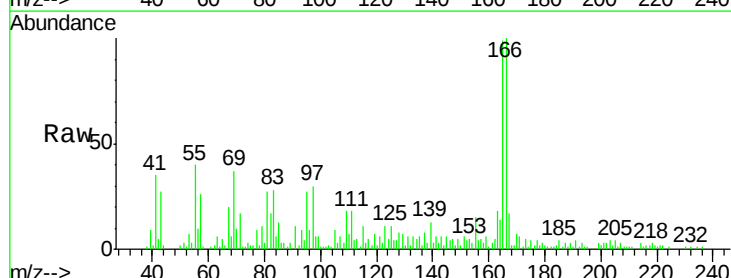
Tgt Ion:166 Resp: 66920

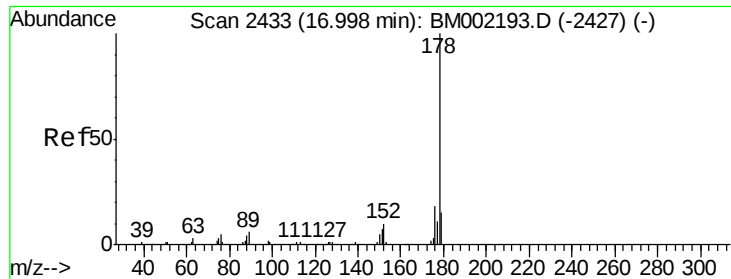
Ion Ratio Lower Upper

166 100

165 98.9 75.6 113.4

167 17.1 10.5 15.7#





#70

Phenanthrene

Concen: 12.36 ng/ul

RT: 17.06 min Scan# 2444

Delta R.T. 0.02 min

Lab File: BM002140.D

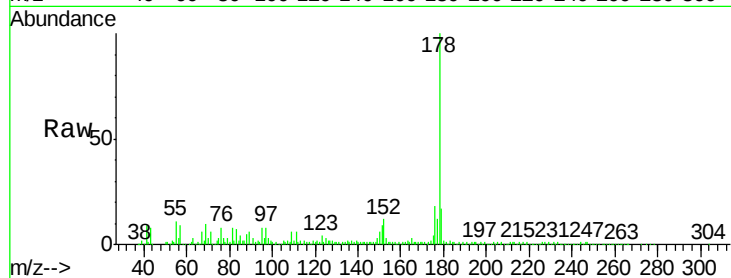
Acq: 30 Jul 2015 17:19

Instrument :

BNA_M

ClientSampleId :

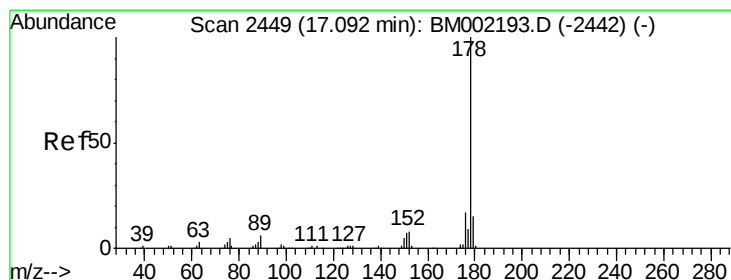
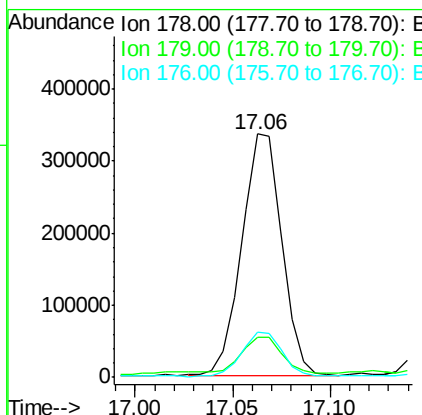
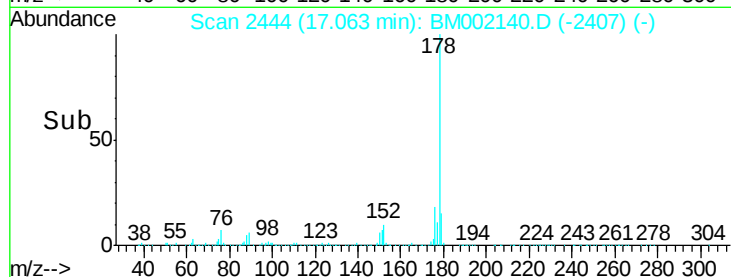
C01X4RE



Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.5	18.7
176	18.5	14.2	21.4

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#72

Anthracene

Concen: 3.15 ng/ul m

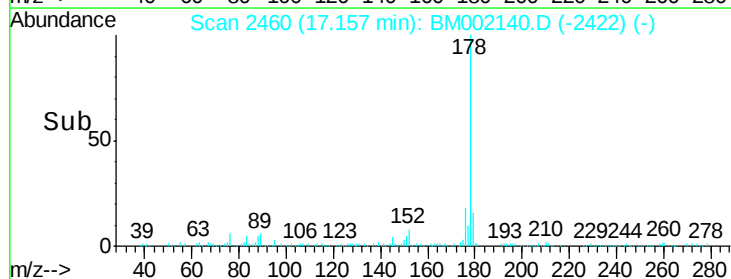
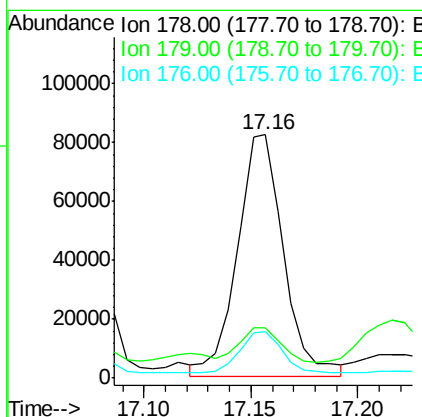
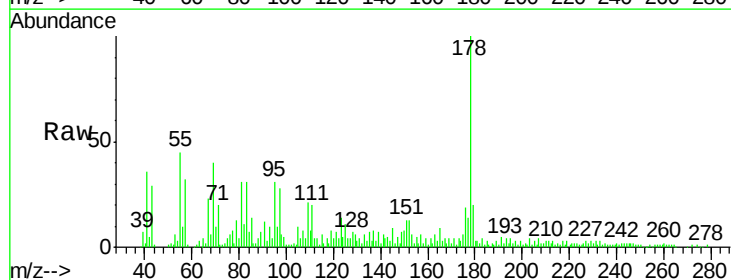
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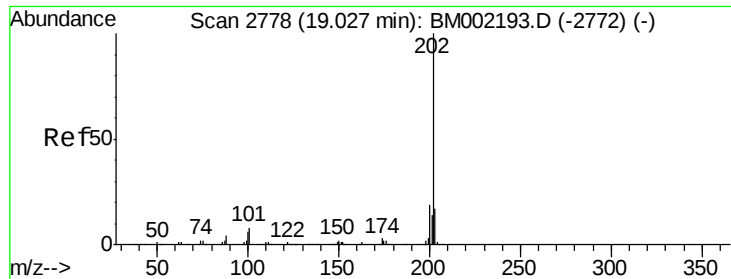
Delta R.T. 0.02 min

Lab File: BM002140.D

Acq: 30 Jul 2015 17:19

Tgt Ion	Ratio	Lower	Upper
178	100		
179	20.4	12.1	18.1#
176	19.1	14.1	21.1





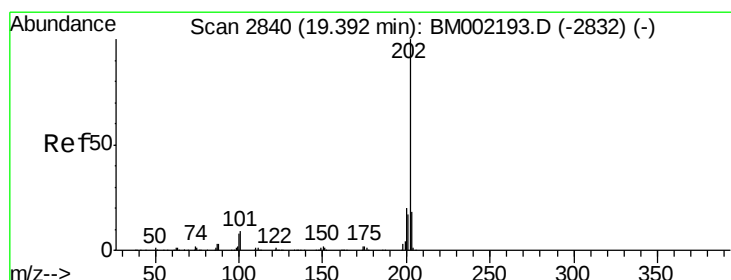
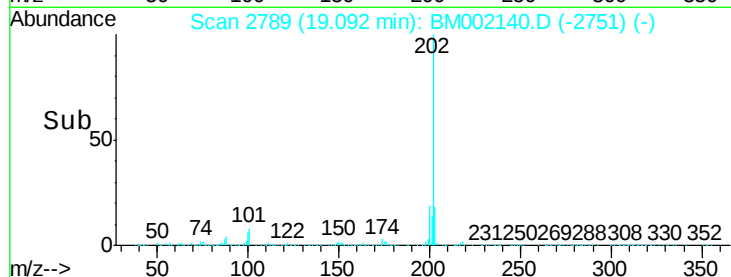
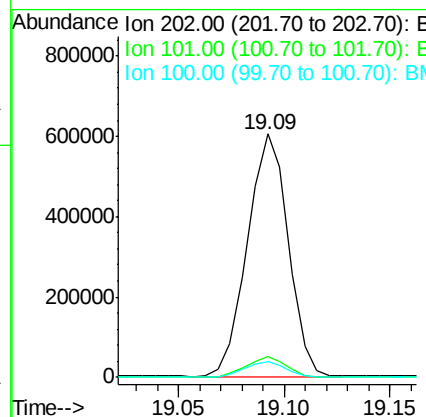
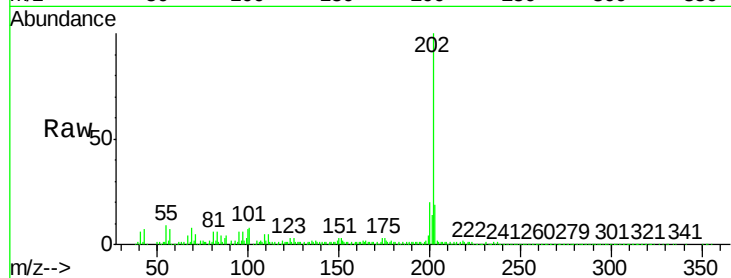
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 Fluoranthene
 Concen: 18.28 ng/ul
 RT: 19.09 min Scan# 2789
 Delta R.T. 0.02 min
 Lab File: BM002140.D
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Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.3	6.2	9.4
100	6.5	5.2	7.8

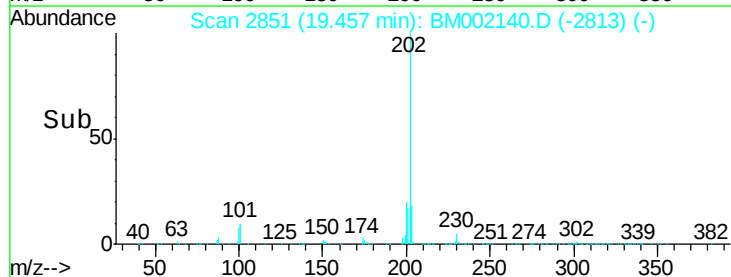
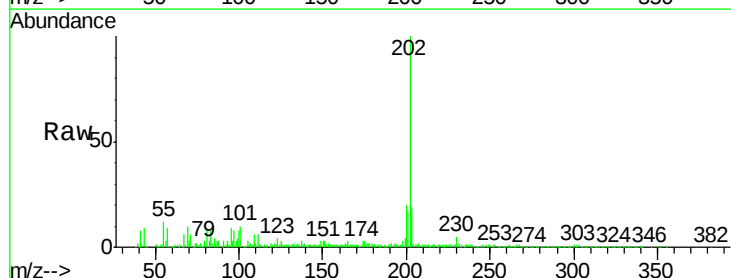
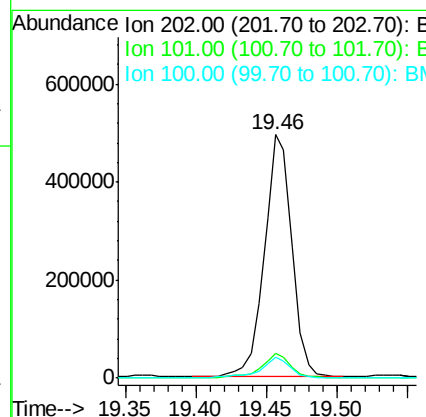
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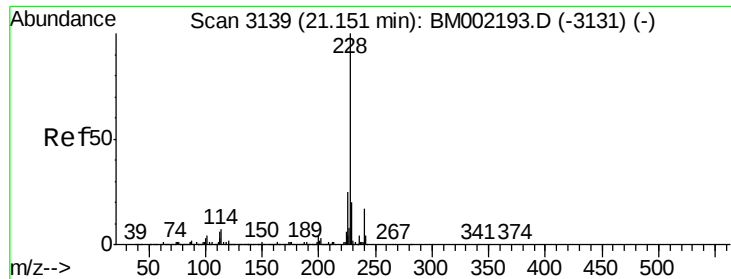
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#80
 Pyrene
 Concen: 17.25 ng/ul
 RT: 19.46 min Scan# 2851
 Delta R.T. 0.02 min
 Lab File: BM002140.D
 Acq: 30 Jul 2015 17:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.3	7.4	11.2
100	8.4	6.3	9.5





#83

Benzo(a)anthracene

Concen: 8.26 ng/ul

RT: 21.21 min Scan# 3149

Delta R.T. 0.02 min

Lab File: BM002140.D

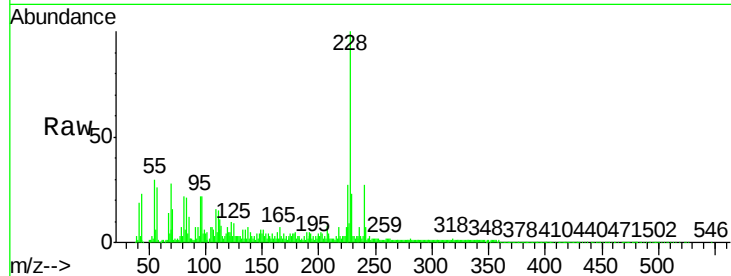
Acq: 30 Jul 2015 17:19

Instrument :

BNA_M

ClientSampleId :

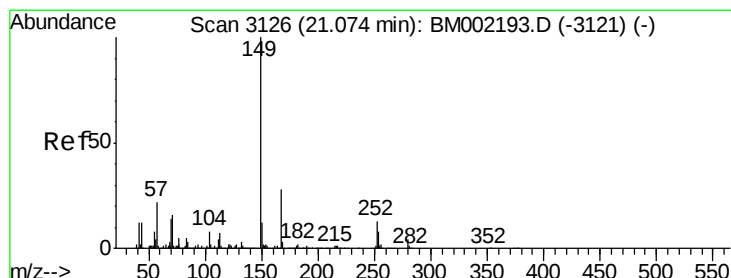
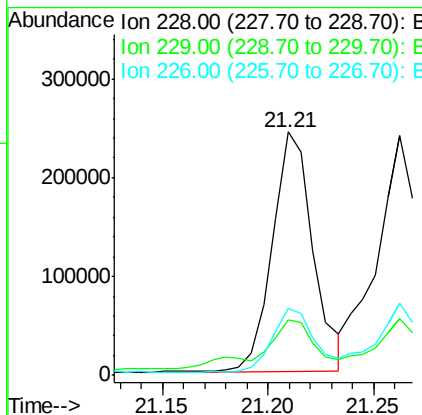
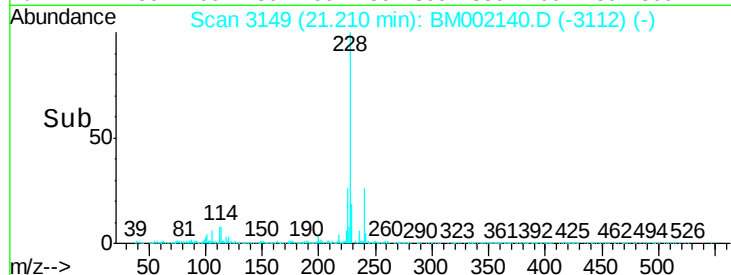
C01X4RE



Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.0	15.4	23.2
226	27.3	20.5	30.7

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#84

Bis(2-ethylhexyl)phthalate

Concen: 24.29 ng/ul

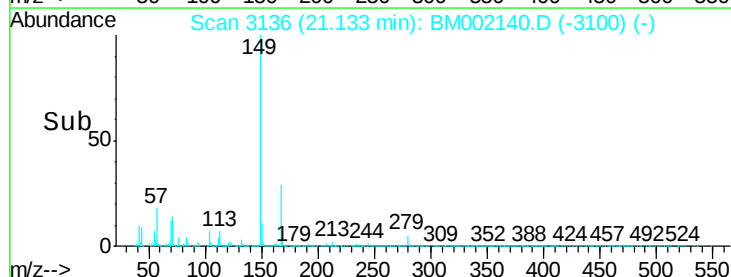
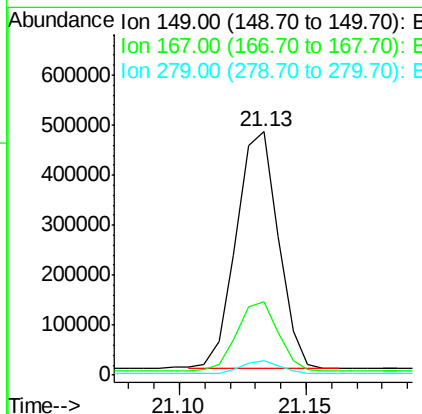
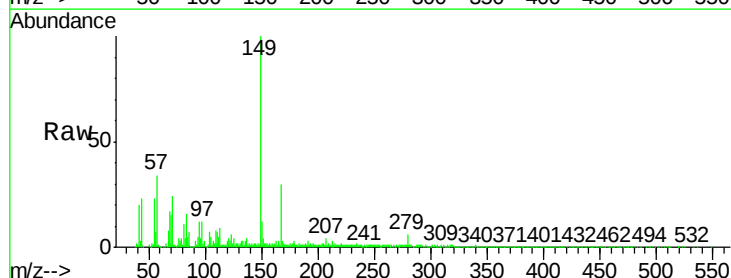
RT: 21.13 min Scan# 3136

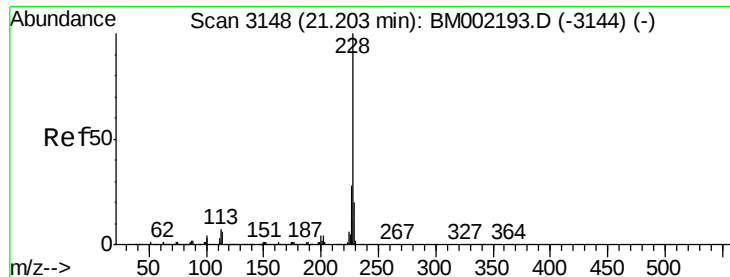
Delta R.T. 0.01 min

Lab File: BM002140.D

Acq: 30 Jul 2015 17:19

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.9	23.6	35.4
279	5.9	4.2	6.4





#85

Chrysene

Concen: 8.96 ng/ul m

RT: 21.26 min Scan# 3158

Delta R.T. 0.02 min

Lab File: BM002140.D

Acq: 30 Jul 2015 17:19

Instrument :

BNA_M

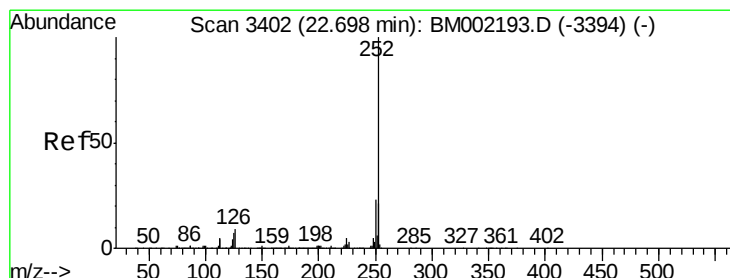
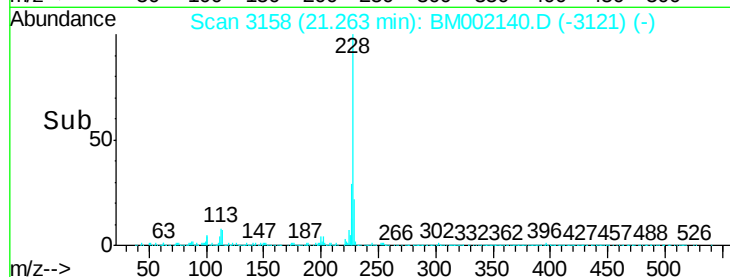
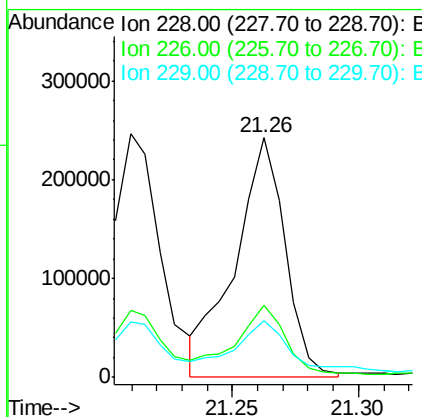
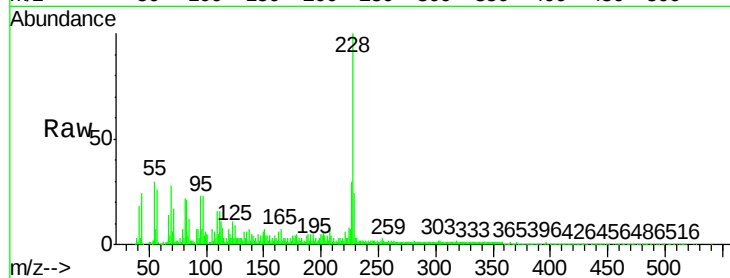
ClientSampleId :

C01X4RE

Tgt Ion:	228	Resp:	332082
Ion Ratio	Lower	Upper	
228	100		
226	30.1	22.3	33.5
229	23.9	15.5	23.3#

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#88

Benzo(b)fluoranthene

Concen: 10.12 ng/ul

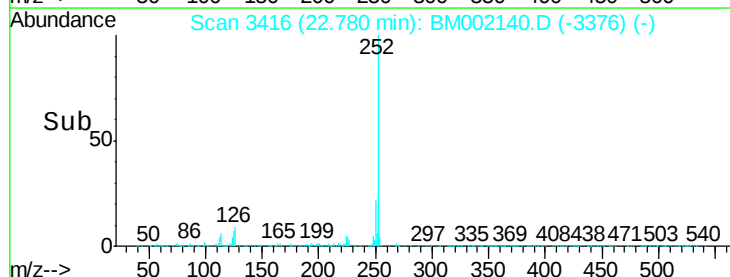
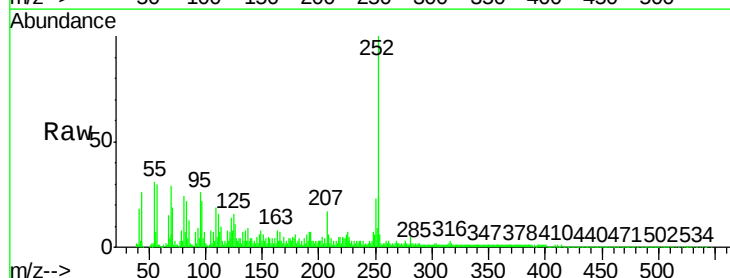
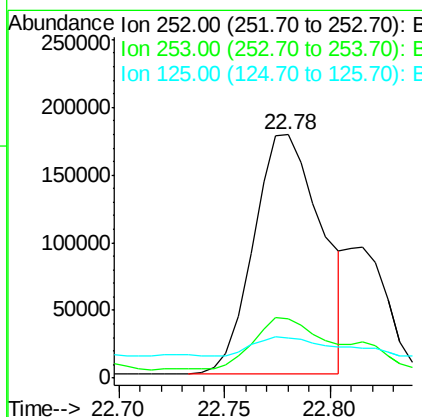
RT: 22.78 min Scan# 3416

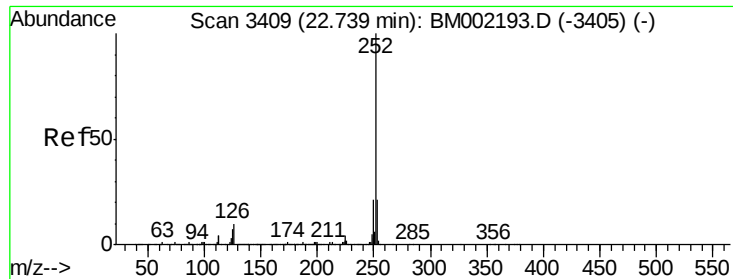
Delta R.T. 0.04 min

Lab File: BM002140.D

Acq: 30 Jul 2015 17:19

Tgt Ion:	252	Resp:	395338
Ion Ratio	Lower	Upper	
252	100		
253	24.2	16.9	25.3
125	16.5	6.2	9.2#





#89

Benzo(k)fluoranthene

Concen: 3.42 ng/ul m

RT: 22.82 min Scan# 3422

Delta R.T. 0.03 min

Lab File: BM002140.D

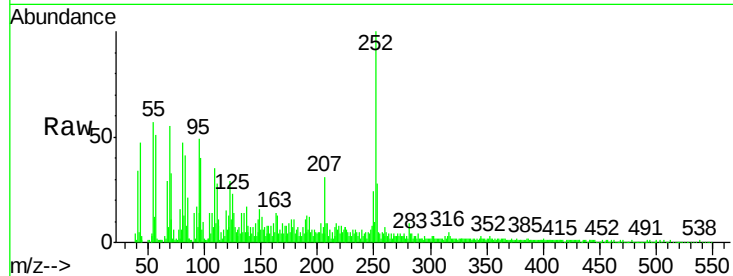
Acq: 30 Jul 2015 17:19

Instrument :

BNA_M

ClientSampleId :

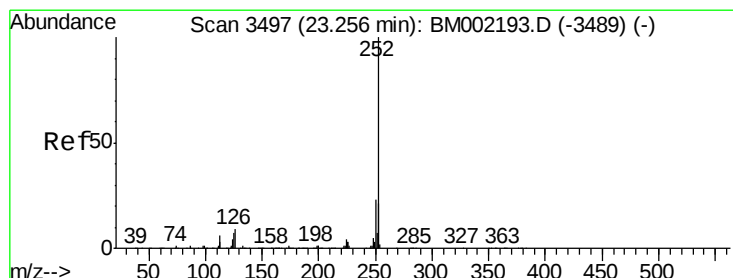
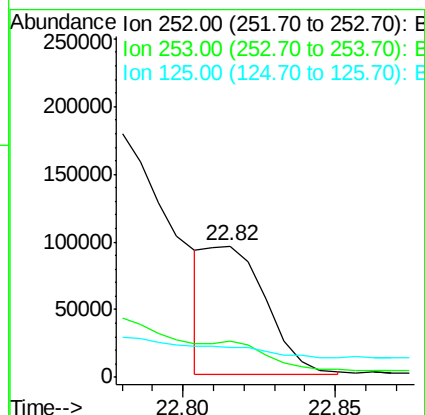
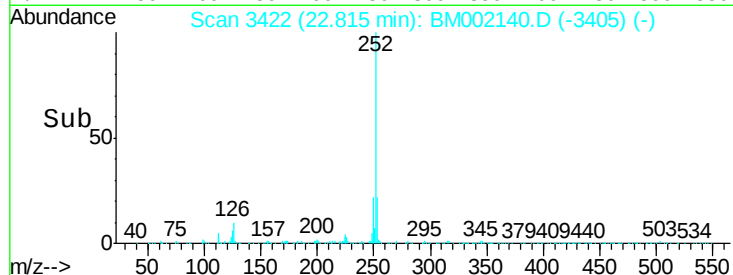
C01X4RE



Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.4	26.0#
125	23.2	6.2	9.4#

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#91

Benzo(a)pyrene

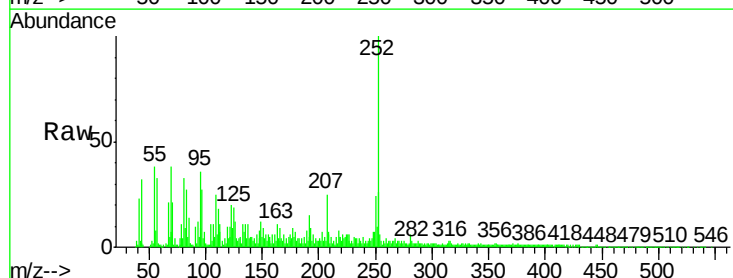
Concen: 5.98 ng/ul

RT: 23.34 min Scan# 3512

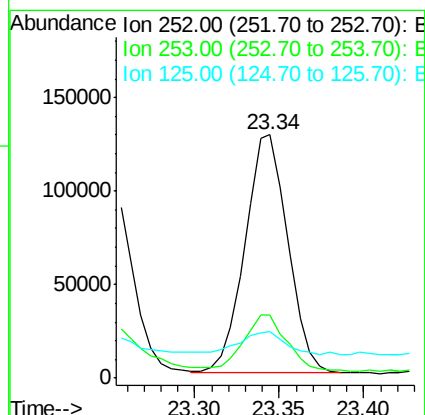
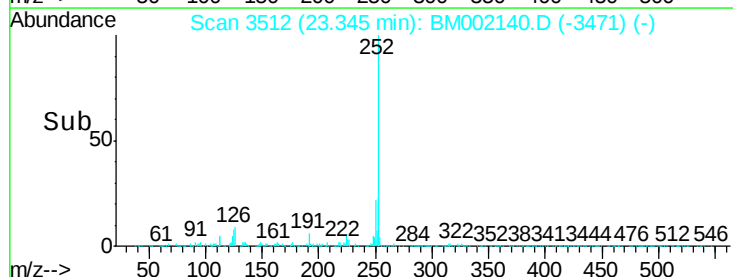
Delta R.T. 0.04 min

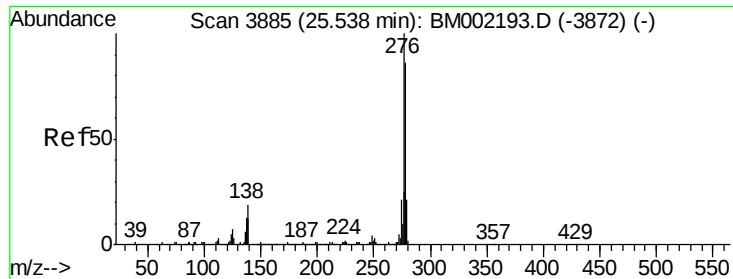
Lab File: BM002140.D

Acq: 30 Jul 2015 17:19



Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.2	25.8
125	18.9	6.6	10.0#





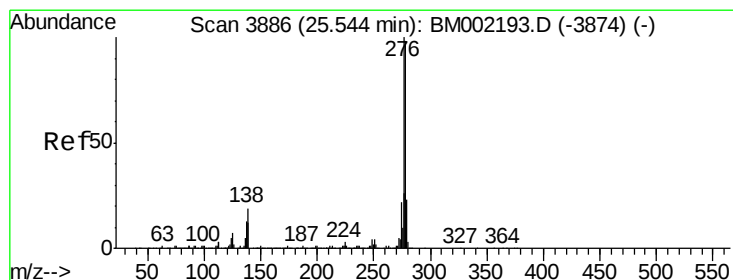
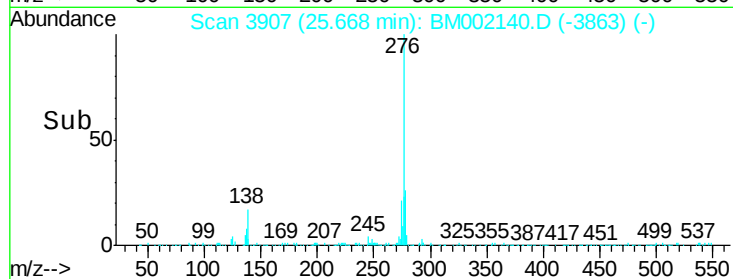
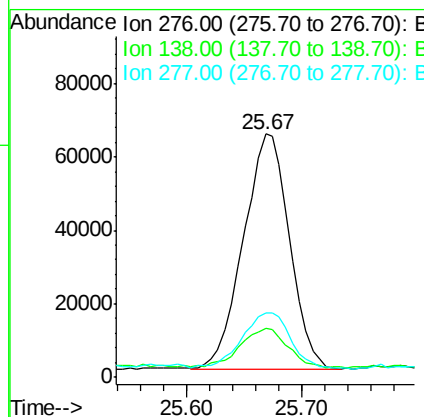
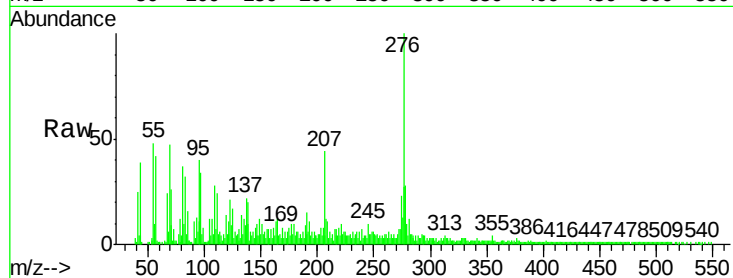
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 4.07 ng/ul
 RT: 25.67 min Scan# 3907
 Delta R.T. 0.06 min
 Lab File: BM002140.D
 Acq: 30 Jul 2015 17:19

Instrument :
 BNA_M
 ClientSampleId :
 C01X4RE

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	16.2	24.2
277	26.5	19.8	29.8

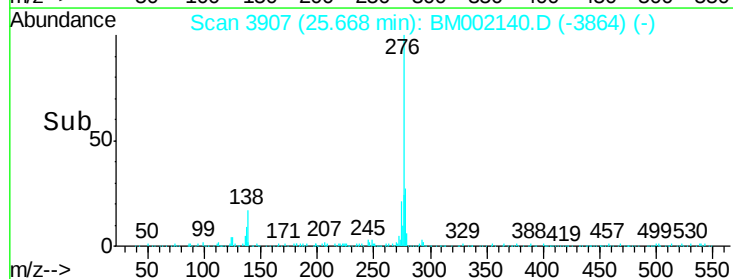
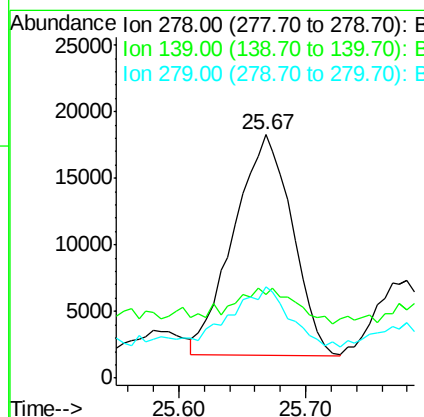
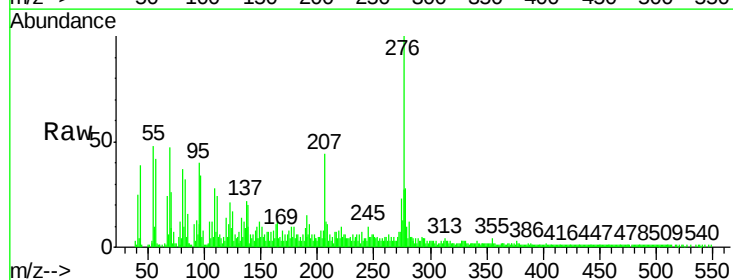
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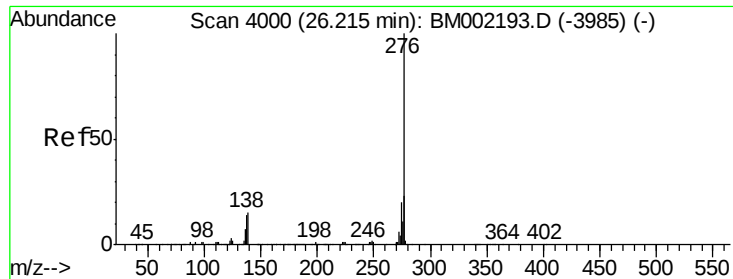
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 8/3/2015 11:53:52 AM



#93
 Dibenzo(a,h)anthracene
 Concen: 1.43 ng/ul
 RT: 25.67 min Scan# 3907
 Delta R.T. 0.05 min
 Lab File: BM002140.D
 Acq: 30 Jul 2015 17:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	34.5	10.6	16.0#
279	37.3	18.5	27.7#





#94

Benzo(g,h,i)perylene

Concen: 4.88 ng/ul

RT: 26.36 min Scan# 4024

Delta R.T. 0.07 min

Lab File: BM002140.D

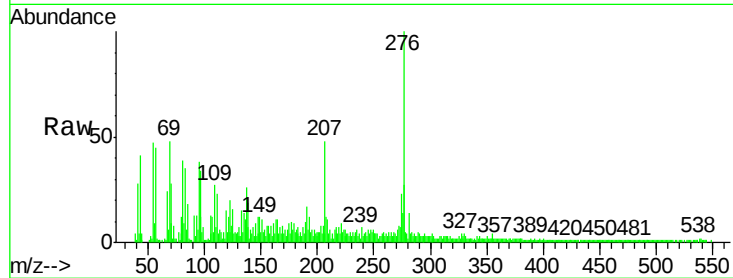
Acq: 30 Jul 2015 17:19

Instrument :

BNA_M

ClientSampleId :

C01X4RE



Tgt	Ion:276	Resp:	177676
Ion	Ratio	Lower	Upper
276	100		
138	18.9	13.8	20.6
277	27.0	18.2	27.2

Manual Integrations
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