

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
 Data File : BM011744.D
 Acq On : 28 Sep 2017 03:46
 Operator : SJ/JU
 Sample : I5377-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 CB3E8

Manual Integrations
 APPROVED

Sohil
 9/29/2017 2:23:04 PM

Quant Time: Sep 28 05:32:15 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM092717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 28 05:09:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	276990	20.00	ng/ul	0.00
18) Naphthalene-d8	10.74	136	1231027	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	673893	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	1416130	20.00	ng/ul	0.00
75) Chrysene-d12	21.48	240	1111610	20.00	ng/ul	0.00
83) Perylene-d12	23.84	264	970301	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	22890	3.68	ng/uL	0.00
5) Phenol-d5	7.09	99	541694	19.88	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	435777	22.06	ng/ul	0.00
9) 2-Chlorophenol-d4	7.46	132	453312	22.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	447843	20.99	ng/ul	0.00
19) Nitrobenzene-d5	9.10	128	227235	23.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.82	143	235132	22.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.36	165	424195	21.70	ng/ul	0.00
29) 4-Chloroaniline-d4	10.87	131	352082	16.29	ng/ul	0.00
43) Dimethylphthalate-d6	13.97	166	1368096	23.67	ng/ul	0.00
46) Acenaphthylene-d8	14.27	160	1680786	24.05	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	83694m	8.47	ng/ul	0.00
57) Fluorene-d10	15.56	176	1169822	23.50	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.68	200	80473	8.39	ng/ul	0.00
70) Anthracene-d10	17.41	188	1717089	23.83	ng/ul	0.00
76) Pyrene-d10	19.70	212	1771179	33.39	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.69	264	1123830	24.19	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.79	128	212602	3.304	ng/ul	99
34) 2-Methylnaphthalene	12.40	142	109729	2.406	ng/ul	97
44) Dimethylphthalate	14.02	163	273697	4.951	ng/ul	98
49) Acenaphthene	14.63	153	194130	4.065	ng/ul	97
53) Dibenzofuran	14.97	168	119444	1.821	ng/ul	93
58) Fluorene	15.62	166	177114	3.189	ng/ul	95
69) Phenanthrene	17.36	178	2976072	37.549	ng/ul	98
71) Anthracene	17.44	178	570233	6.983	ng/ul	98
72) Carbazole	17.72	167	175252	2.450	ng/ul#	94
73) Di-n-butylphthalate	18.26	149	145443	1.579	ng/ul	99
74) Fluoranthene	19.37	202	4597515	47.510	ng/ul#	91
77) Pyrene	19.73	202	4496510	67.879	ng/ul#	90
80) Benzo(a)anthracene	21.47	228	1939367	31.184	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.37	149	50793	1.229	ng/ul#	96
82) Chrysene	21.52	228	1871343	31.904	ng/ul	97
85) Benzo(b)fluoranthene	23.13	252	2500722	43.681	ng/ul#	95
86) Benzo(k)fluoranthene	23.17	252	744336m	12.745	ng/ul	
88) Benzo(a)pyrene	23.74	252	1726614	31.226	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.27	276	1235160	21.455	ng/ul#	92
90) Dibenzo(a,h)anthracene	26.27	278	345564	7.167	ng/ul#	88
91) Benzo(a,h,i)perylene	27.01	276	1245063	26.055	ng/ul#	92

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BNA_M
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Manual Integrations
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 05:09:12 2017
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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

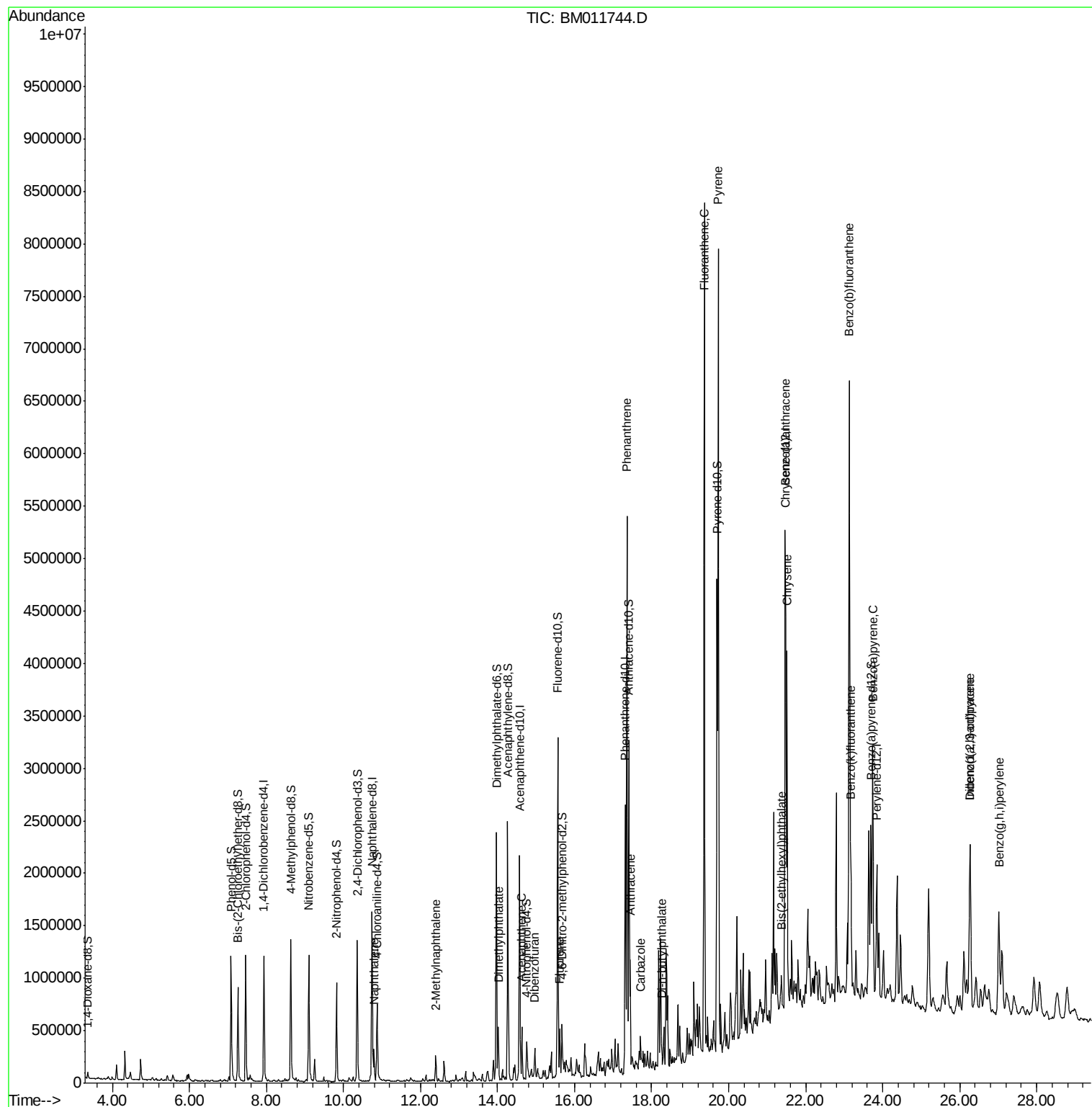
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
Data File : BM011744.D
Acq On : 28 Sep 2017 03:46
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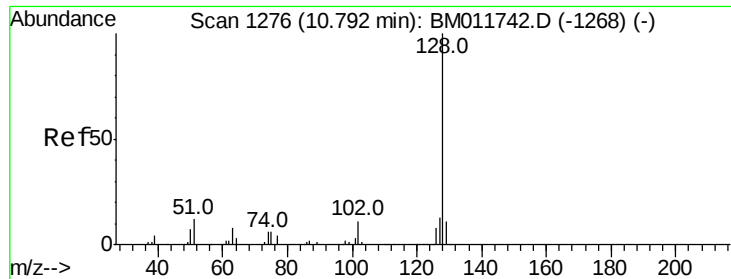
Instrument :
BNA_M
ClientSampled :
CB3E8

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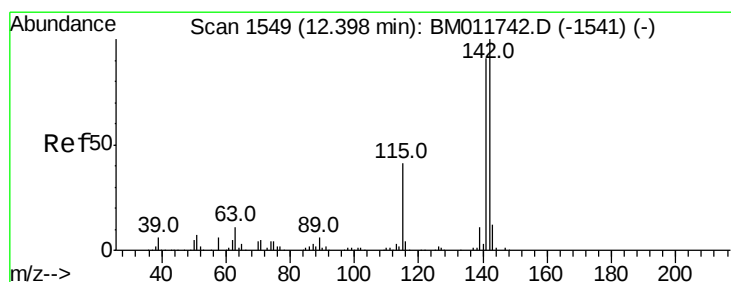
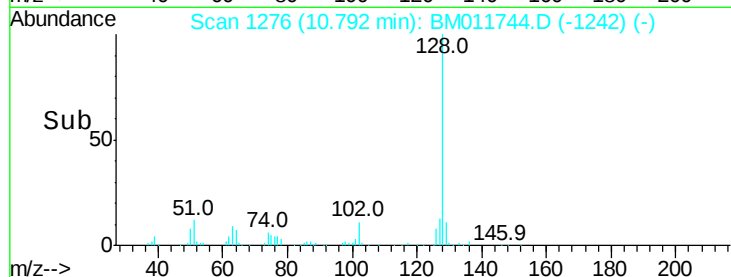
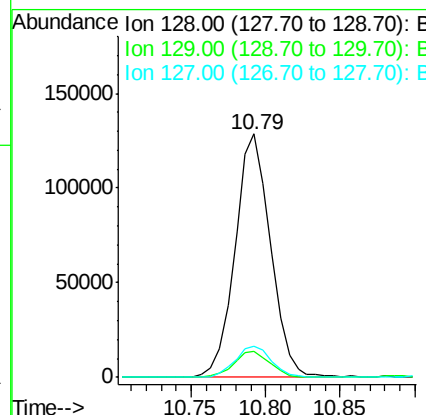
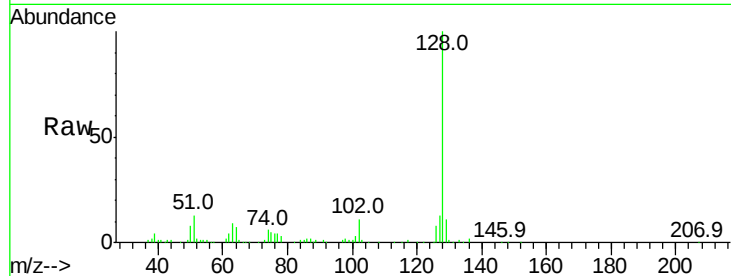
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Naphthalene
Concen: 3.304 ng/ul
RT: 10.79 min Scan# 1276
Delta R.T. 0.00 min
Lab File: BM011744.D
Acq: 28 Sep 2017 03:46

Instrument :
BNA_M
ClientSampleId :
CB3E8

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	12.6	10.6	16.0

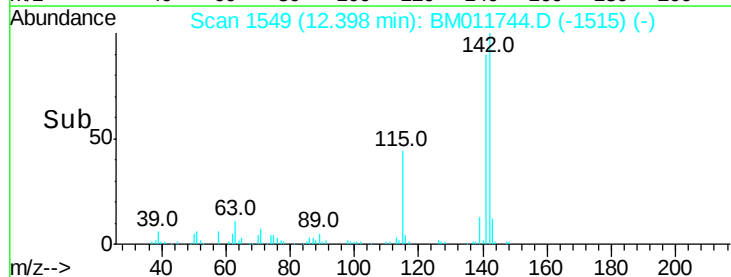
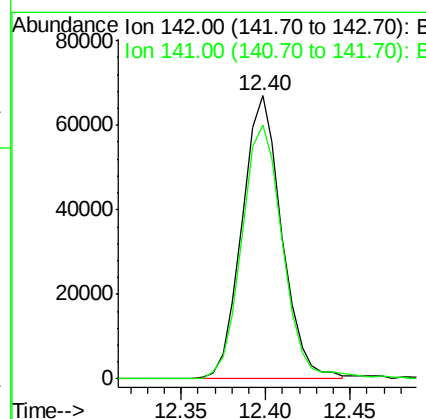
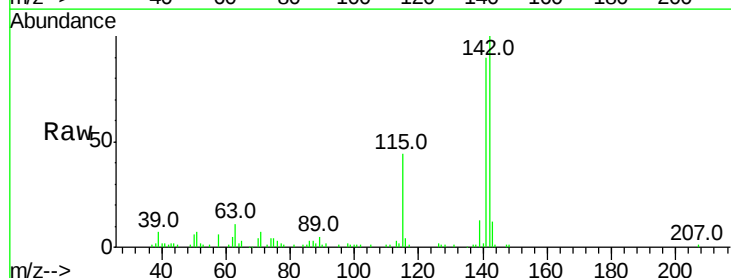
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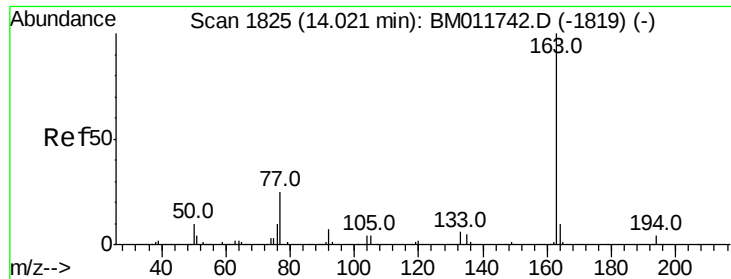
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#34
2-Methylnaphthalene
Concen: 2.406 ng/ul
RT: 12.40 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BM011744.D
Acq: 28 Sep 2017 03:46

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.8	74.1	111.1





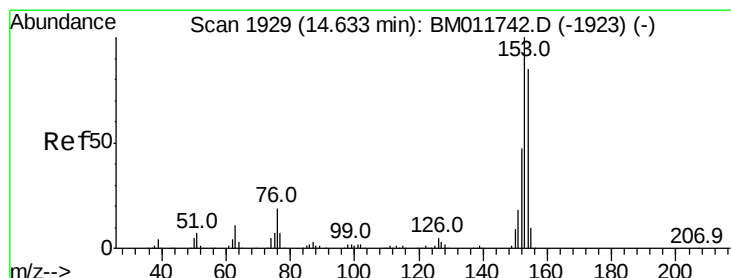
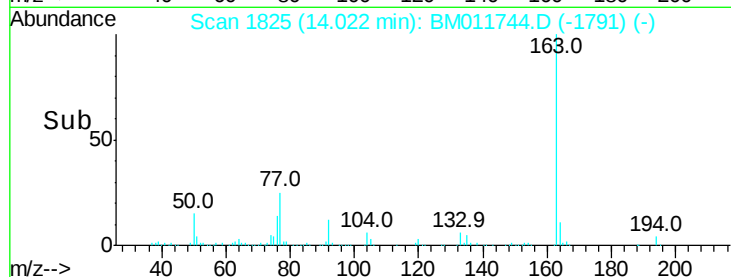
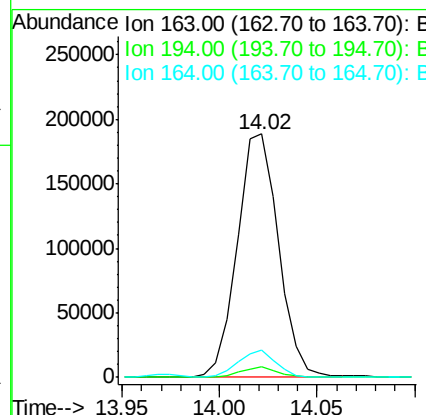
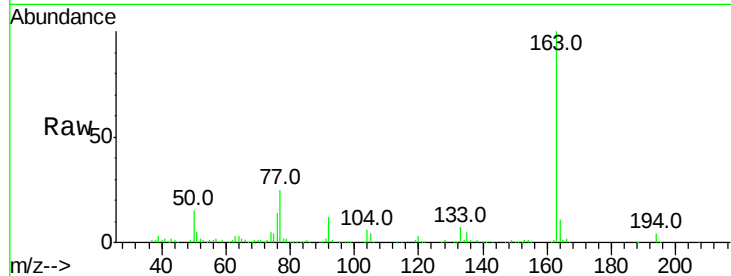
#44
Dimethylphthalate
Concen: 4.951 ng/ul
RT: 14.02 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BM011744.D
Acq: 28 Sep 2017 03:46

Instrument :
BNA_M
ClientSampled :
CB3E8

Tot Ion	Ratio	Resp	Lower	Upper
163	100	273697		
194	4.2		3.5	5.3
164	11.0		8.2	12.4

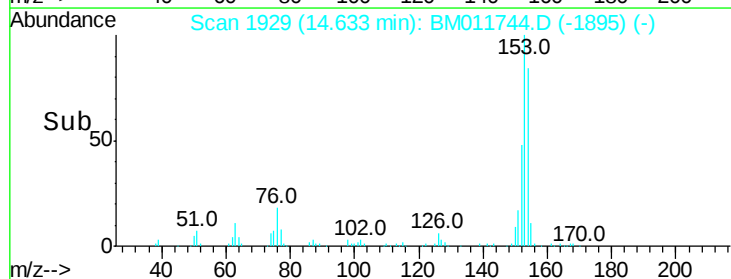
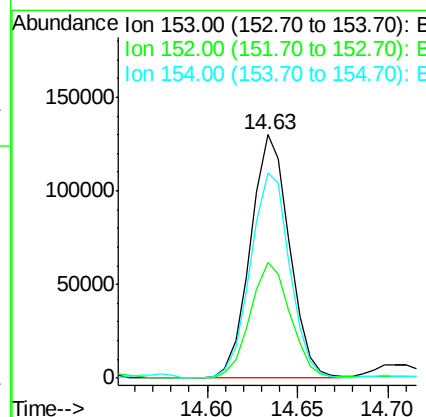
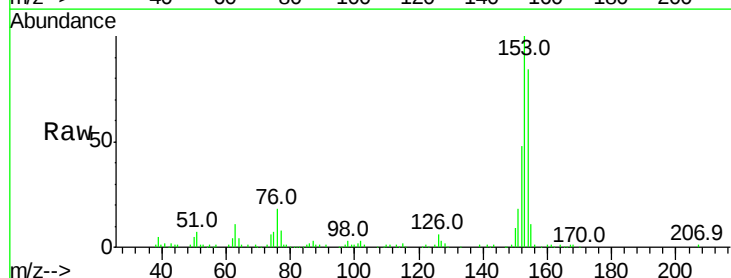
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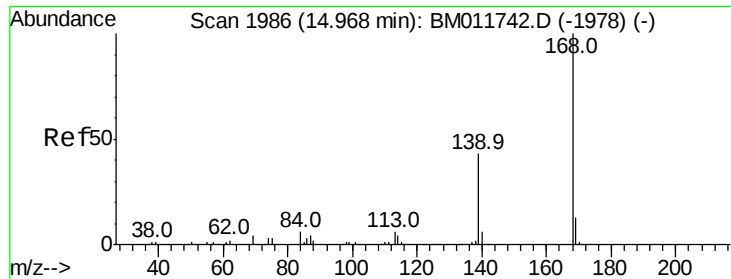
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#49
Acenaphthene
Concen: 4.065 ng/ul
RT: 14.63 min Scan# 1929
Delta R.T. 0.00 min
Lab File: BM011744.D
Acq: 28 Sep 2017 03:46

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	194130		
152	47.6		37.6	56.4
154	84.0		70.4	105.6





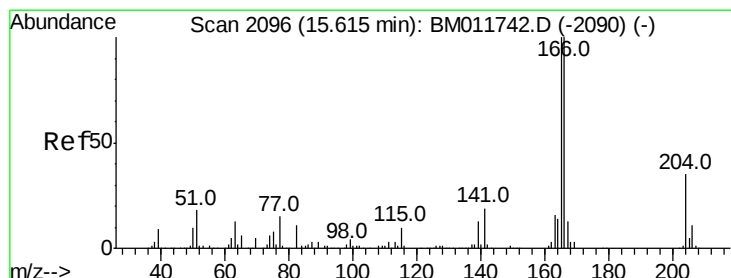
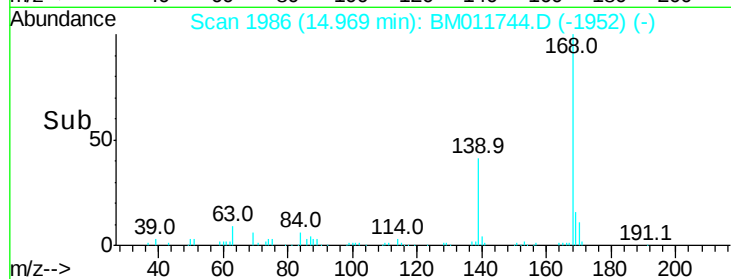
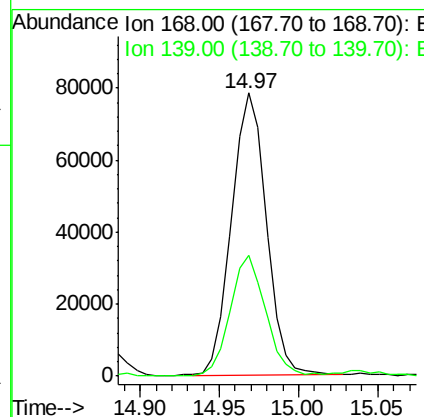
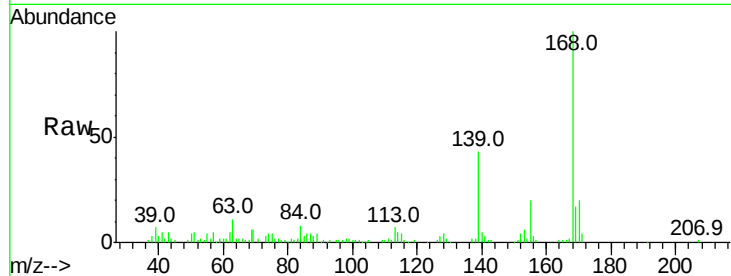
#53
Dibenzenofuran
Concen: 1.821 ng/ul
RT: 14.97 min Scan# 1986
Delta R.T. 0.00 min
Lab File: BM011744.D
Acq: 28 Sep 2017 03:46

Instrument :
BNA_M
ClientSampled :
CB3E8

Tot Ion:168 Resp: 119444
Ion Ratio Lower Upper
168 100
139 42.7 30.8 46.2

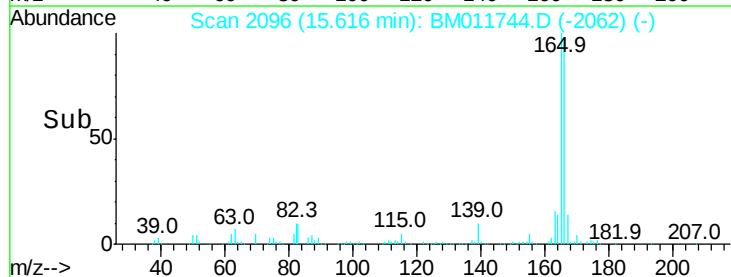
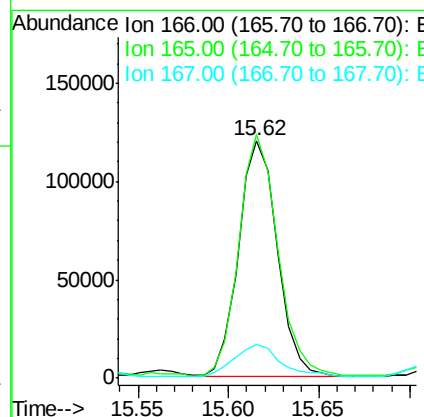
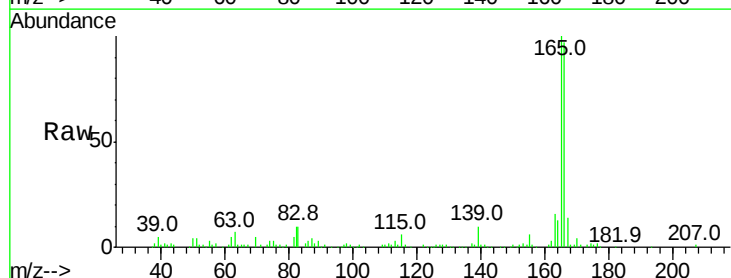
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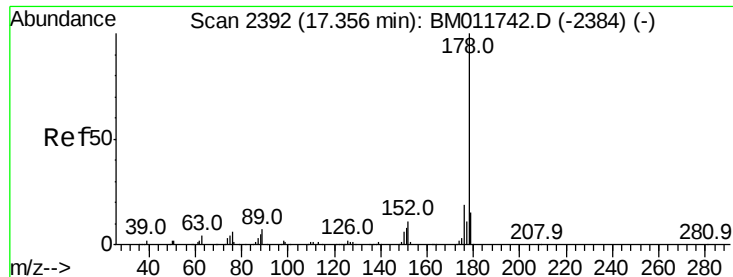
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#58
Fluorene
Concen: 3.189 ng/ul
RT: 15.62 min Scan# 2096
Delta R.T. 0.00 min
Lab File: BM011744.D
Acq: 28 Sep 2017 03:46

Tgt Ion:166 Resp: 177114
Ion Ratio Lower Upper
166 100
165 102.6 77.9 116.9
167 14.4 10.6 16.0





#69

Phenanthrene

Concen: 37.549 ng/ul

RT: 17.36 min Scan# 2392

Delta R.T. 0.00 min

Lab File: BM011744.D

Acq: 28 Sep 2017 03:46

Instrument :

BNA_M

ClientSampled :

CB3E8

Tot Ion:178 Resp: 2976072

Ion Ratio Lower Upper

178 100

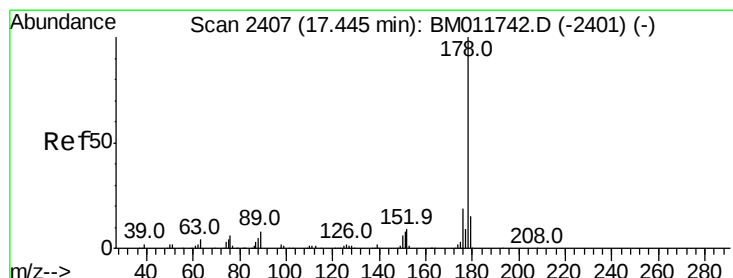
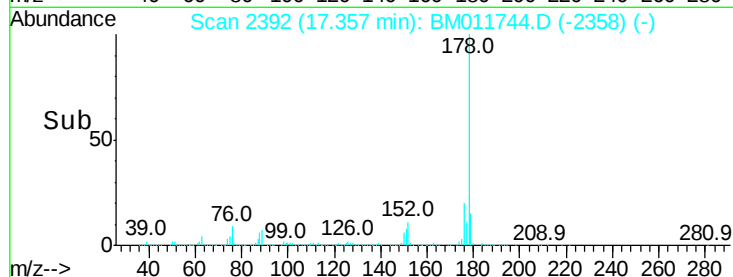
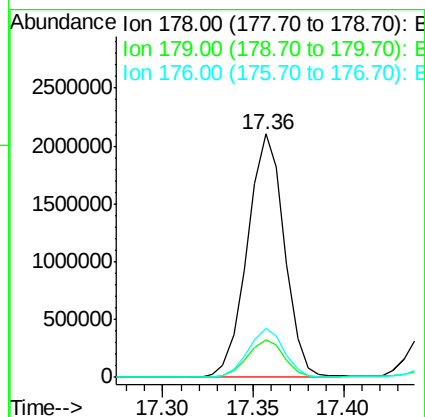
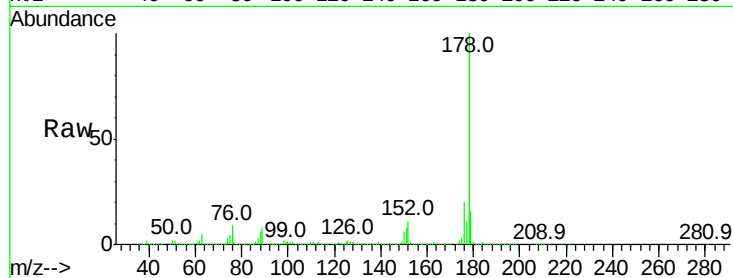
179 15.5 12.6 19.0

176 20.1 14.9 22.3

Manual Integrations
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#71

Anthracene

Concen: 6.983 ng/ul

RT: 17.44 min Scan# 2407

Delta R.T. 0.00 min

Lab File: BM011744.D

Acq: 28 Sep 2017 03:46

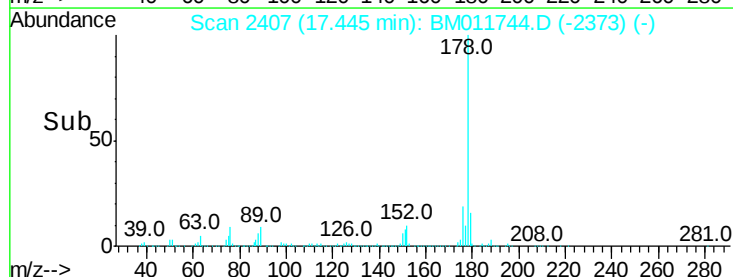
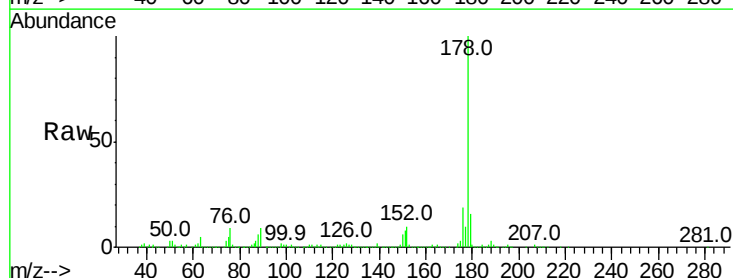
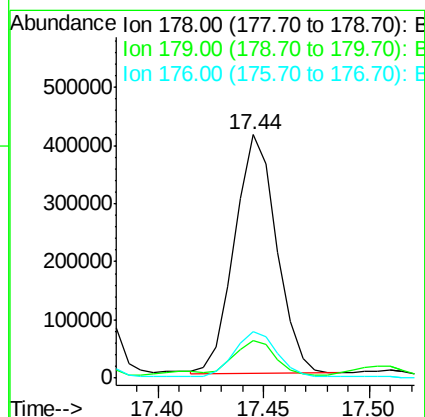
Tgt Ion:178 Resp: 570233

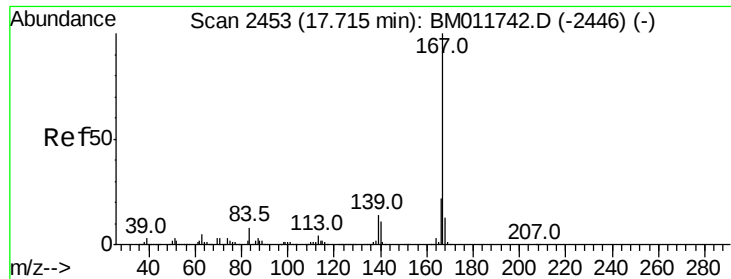
Ion Ratio Lower Upper

178 100

179 15.7 11.7 17.5

176 19.0 14.6 21.8





#72

Carbazole

Concen: 2.450 ng/ul

RT: 17.72 min Scan# 2453

Delta R.T. 0.00 min

Lab File: BM011744.D

Acq: 28 Sep 2017 03:46

Instrument :

BNA_M

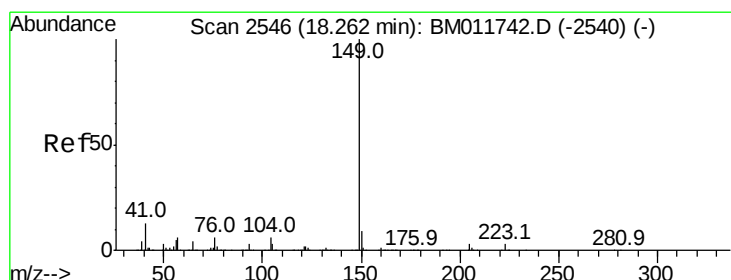
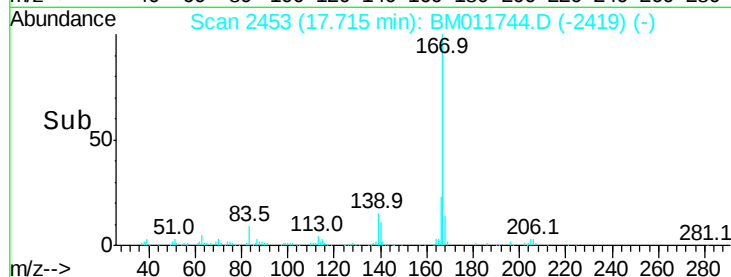
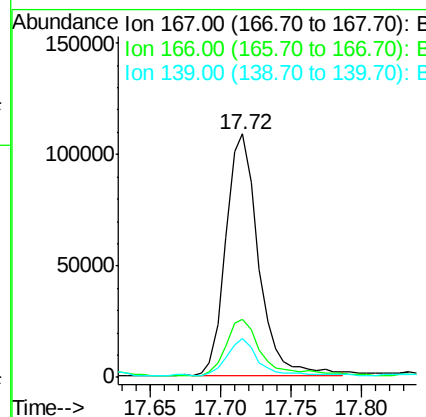
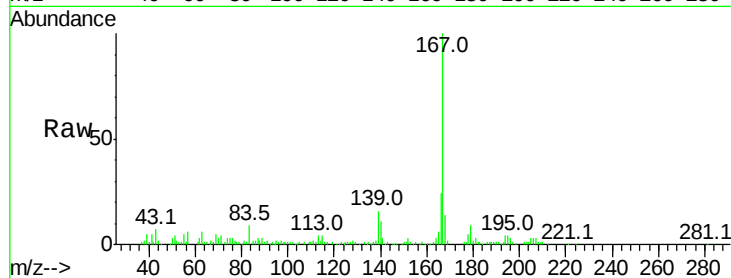
ClientSampled :

CB3E8

Tot Ion:	167	Resp:	175252
Ion Ratio	Lower	Upper	
167	100		
166	23.9	17.1	25.7
139	15.7	10.0	15.0#

Manual Integrations
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#73

Di-n-butylphthalate

Concen: 1.579 ng/ul

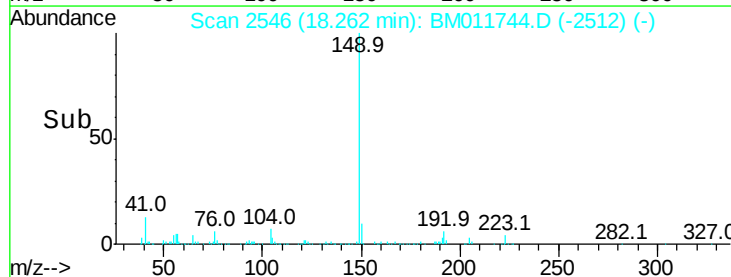
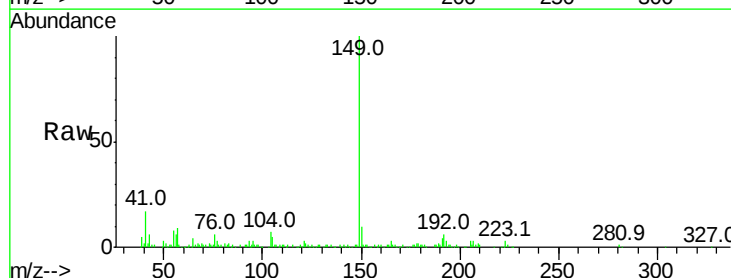
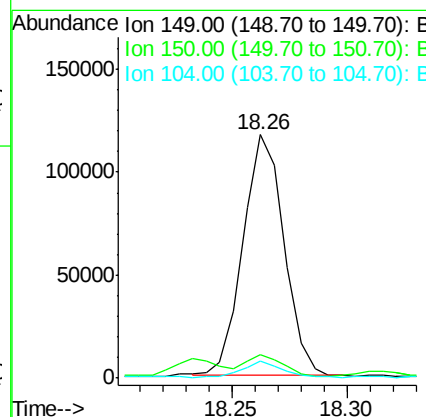
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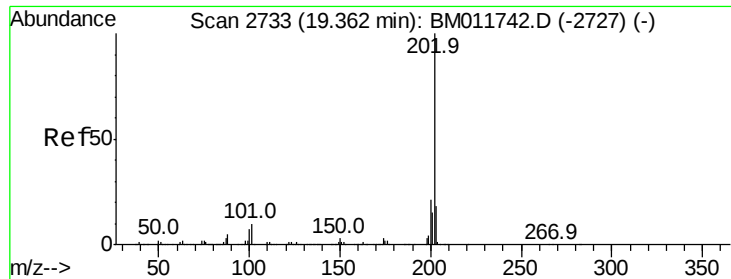
Delta R.T. 0.00 min

Lab File: BM011744.D

Acq: 28 Sep 2017 03:46

Tgt Ion:	149	Resp:	145443
Ion Ratio	Lower	Upper	
149	100		
150	9.6	7.1	10.7
104	7.2	5.6	8.4





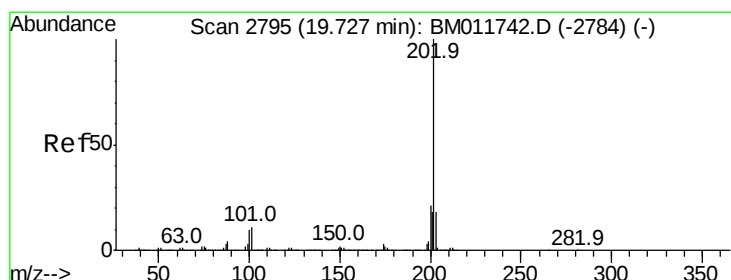
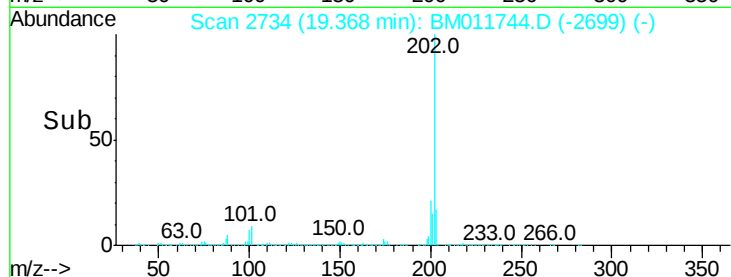
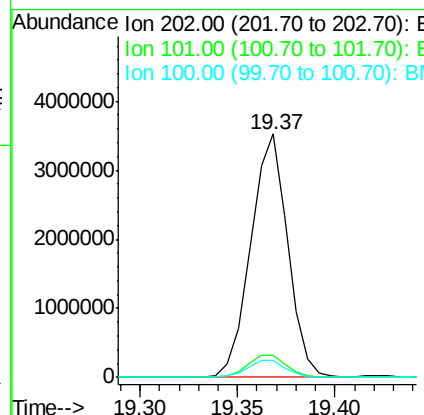
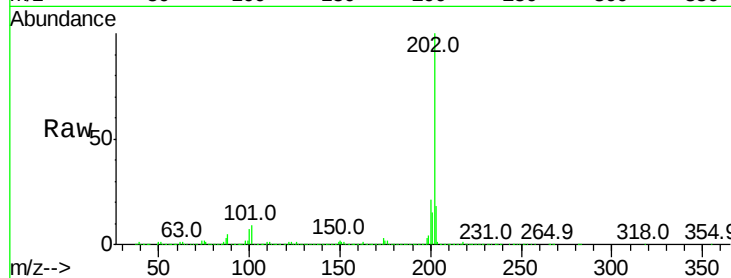
#74
 Fluoranthene
 Concen: 47.510 ng/ul
 RT: 19.37 min Scan# 2734
 Delta R.T. 0.01 min
 Lab File: BM011744.D
 Acq: 28 Sep 2017 03:46

Instrument :
 BNA_M
 ClientSampleId :
 CB3E8

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.2	4.6	7.0#
100	7.1	3.4	5.2#

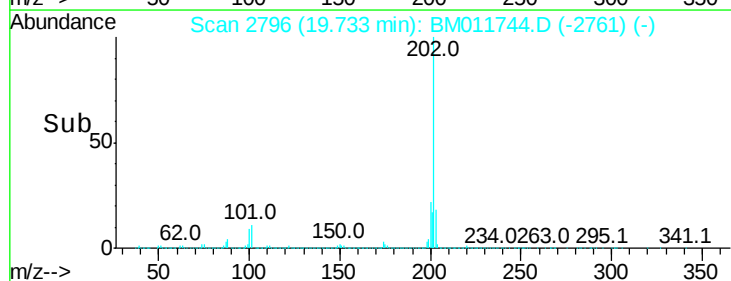
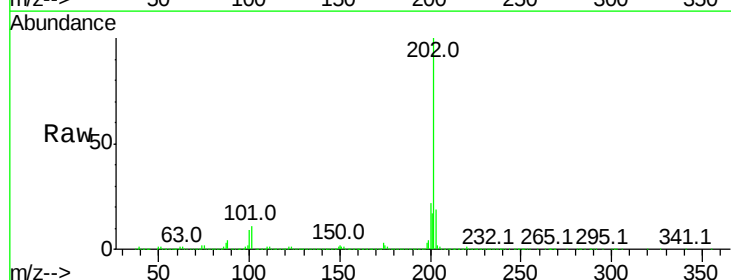
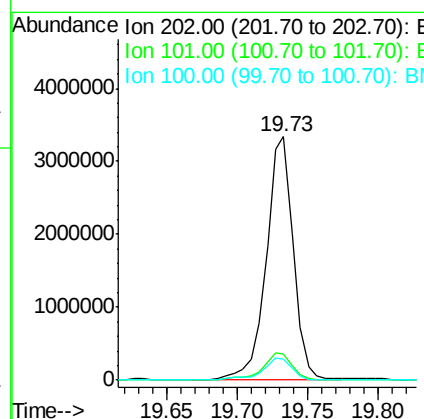
Manual Integrations
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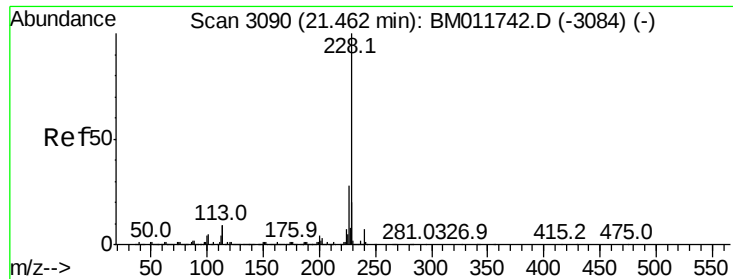
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#77
 Pyrene
 Concen: 67.879 ng/ul
 RT: 19.73 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: BM011744.D
 Acq: 28 Sep 2017 03:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	5.1	7.7#
100	8.6	4.9	7.3#





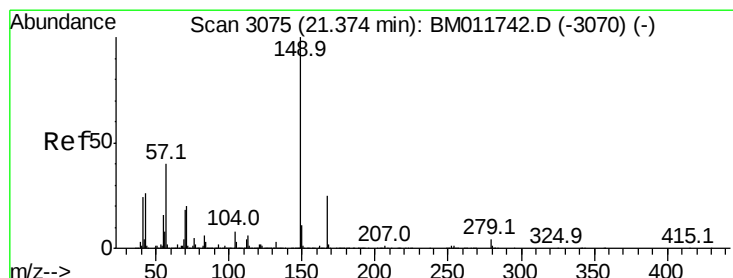
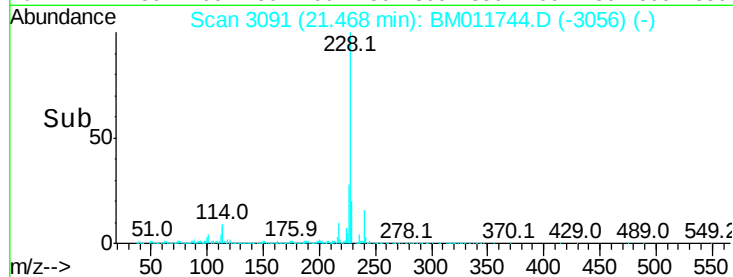
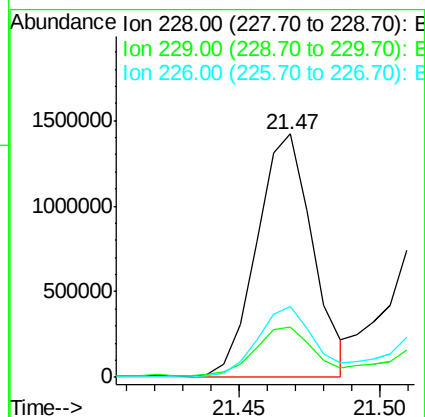
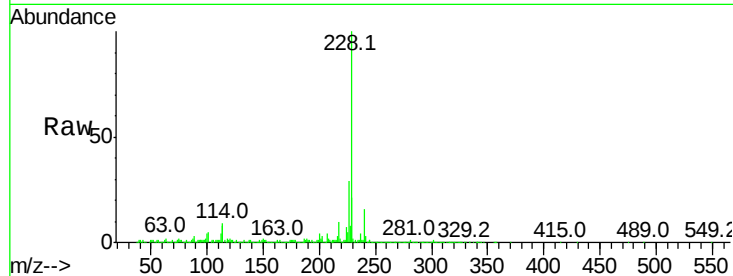
#80
Benzo(a)anthracene
Concen: 31.184 ng/ul
RT: 21.47 min Scan# 3091
Delta R.T. 0.01 min
Lab File: BM011744.D
Acq: 28 Sep 2017 03:46

Instrument :
BNA_M
ClientSampled :
CB3E8

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.4	23.0
226	28.9	21.4	32.0

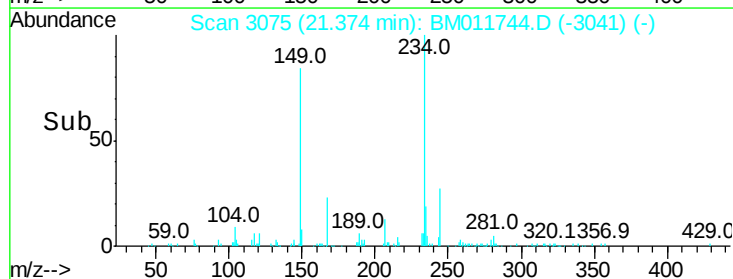
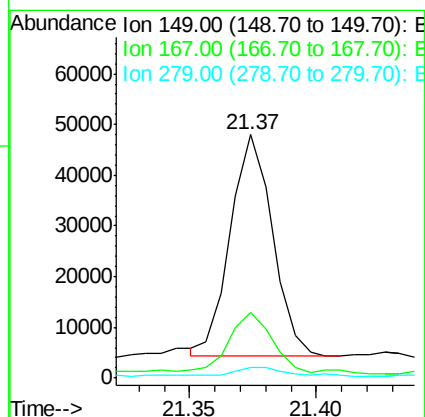
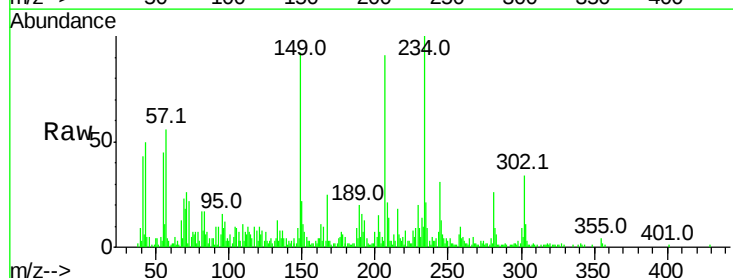
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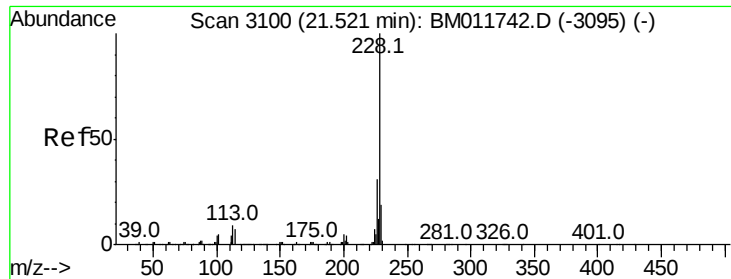
Sohil
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#81
Bis(2-ethylhexyl)phthalate
Concen: 1.229 ng/ul
RT: 21.37 min Scan# 3075
Delta R.T. 0.00 min
Lab File: BM011744.D
Acq: 28 Sep 2017 03:46

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.7	22.8	34.2
279	4.2	4.9	7.3#





#82

Chrysene

Concen: 31.904 ng/ul

RT: 21.52 min Scan# 3100

Delta R.T. 0.00 min

Lab File: BM011744.D

Acq: 28 Sep 2017 03:46

Instrument :

BNA_M

ClientSampleId :

CB3E8

Tot Ion:228 Resp: 1871343

Ion Ratio Lower Upper

228 100

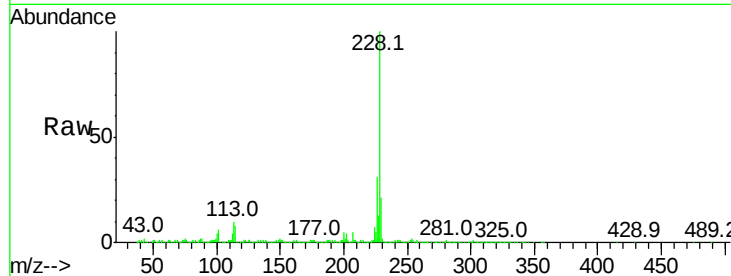
226 31.0 23.4 35.2

229 20.7 15.5 23.3

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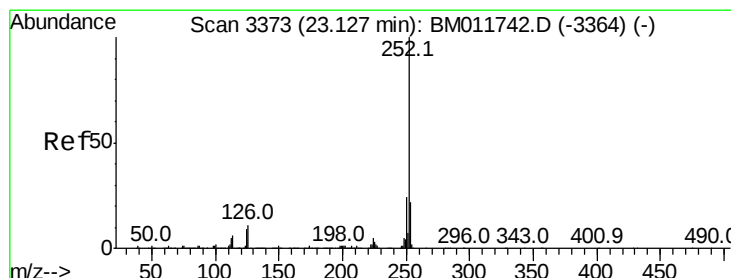
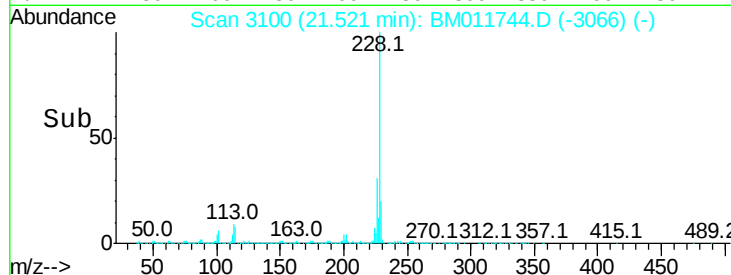
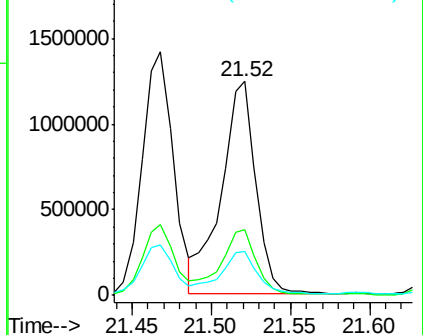
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 43.681 ng/ul

RT: 23.13 min Scan# 3374

Delta R.T. 0.01 min

Lab File: BM011744.D

Acq: 28 Sep 2017 03:46

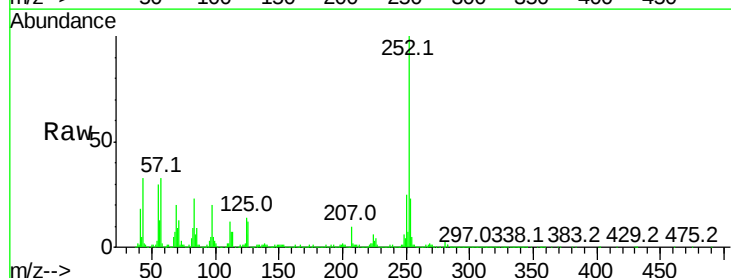
Tgt Ion:252 Resp: 2500722

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

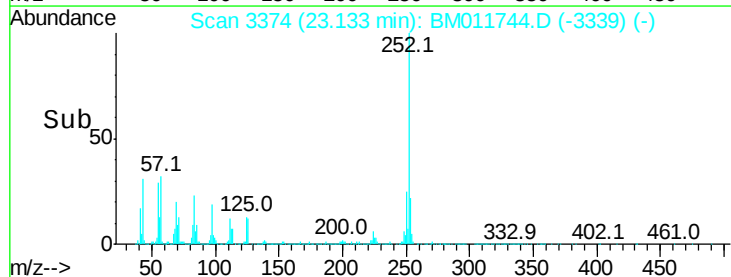
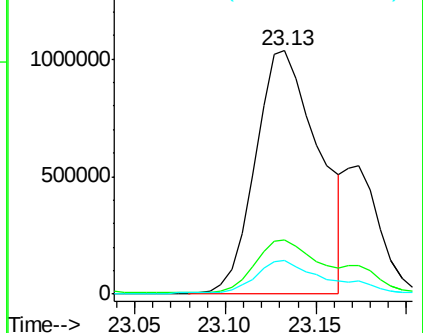
125 13.6 3.6 5.4#

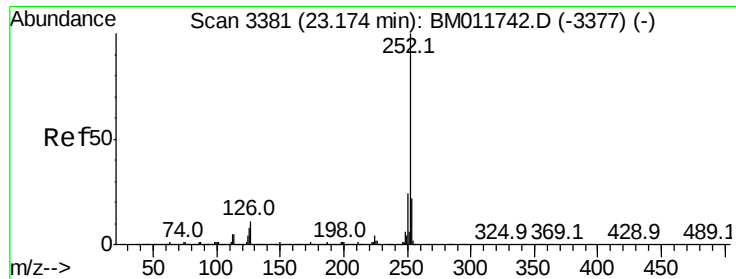


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





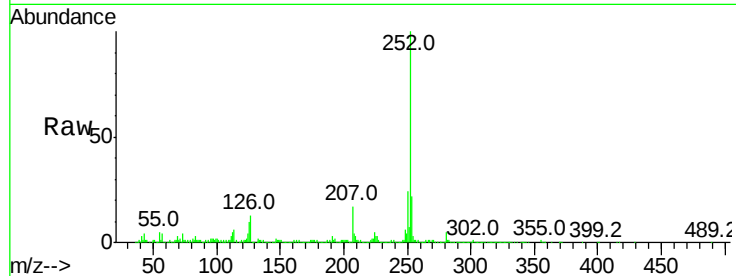
#86
Benzo(k)fluoranthene
Concen: 12.745 ng/ul
RT: 23.17 min Scan# 3381
Delta R.T. 0.00 min
Lab File: BM011744.D
Acq: 28 Sep 2017 03:46

Instrument :
BNA_M
ClientSampleId :
CB3E8

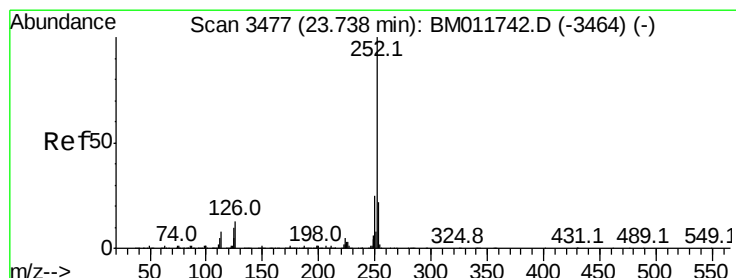
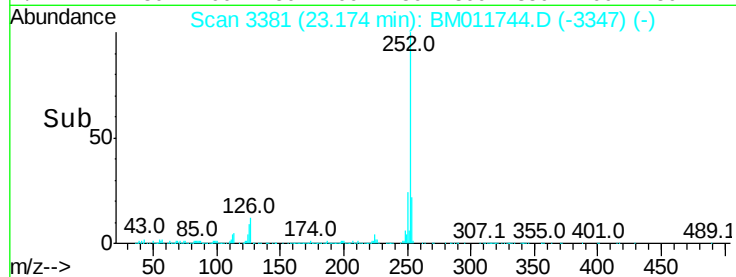
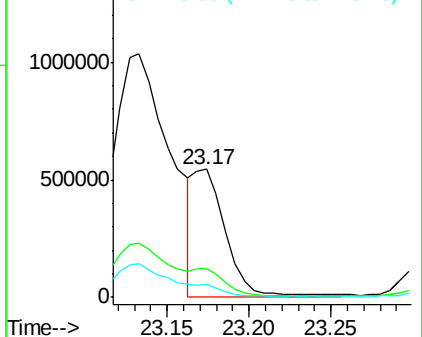
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	9.8	3.4	5.2

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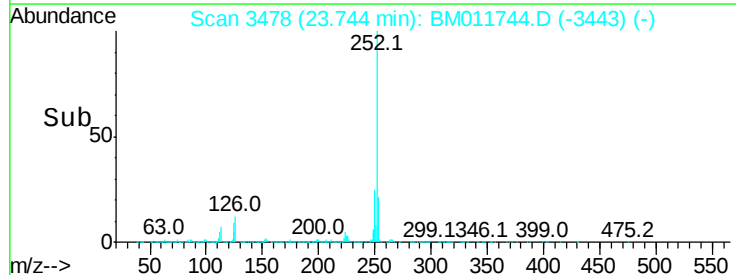
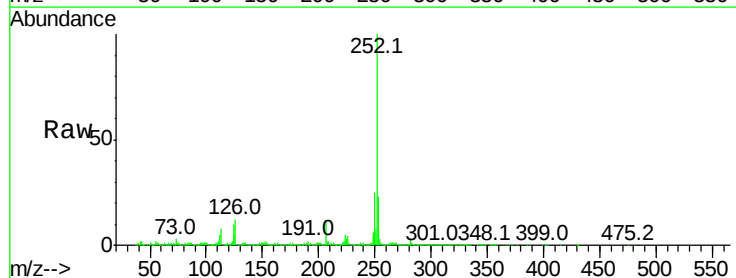
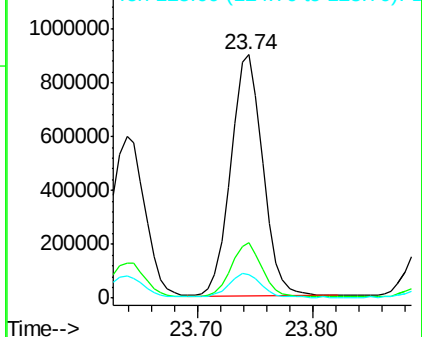
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

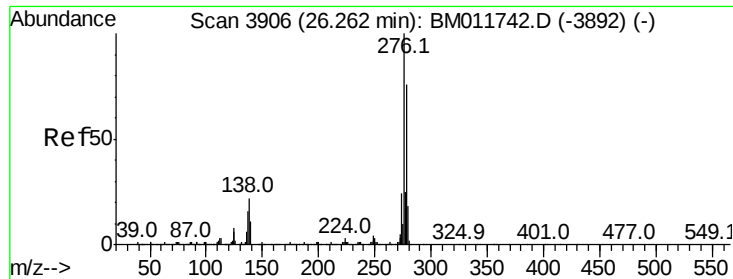


#88
Benzo(a)pyrene
Concen: 31.226 ng/ul
RT: 23.74 min Scan# 3478
Delta R.T. 0.01 min
Lab File: BM011744.D
Acq: 28 Sep 2017 03:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	9.9	4.0	6.0

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





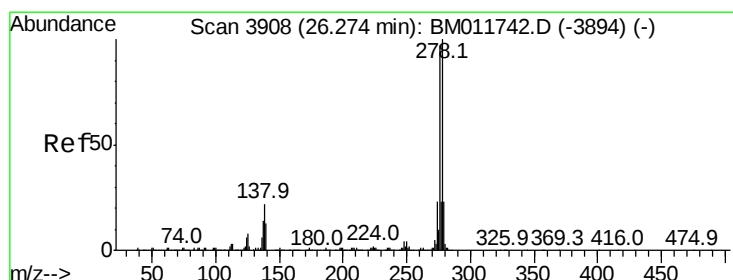
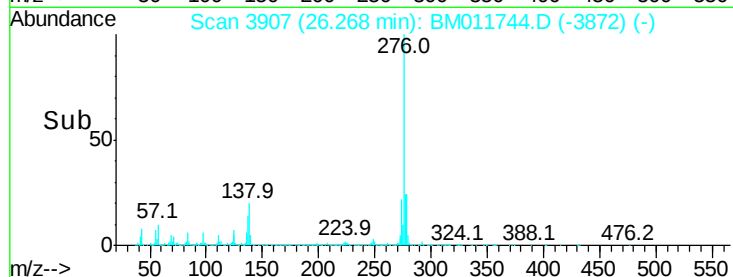
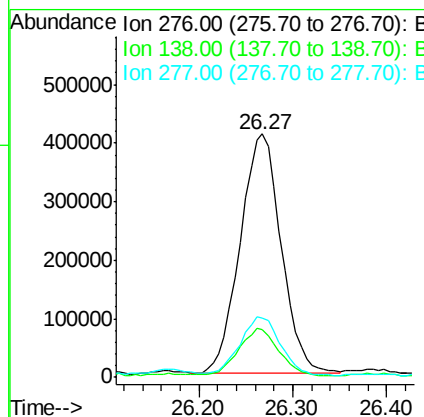
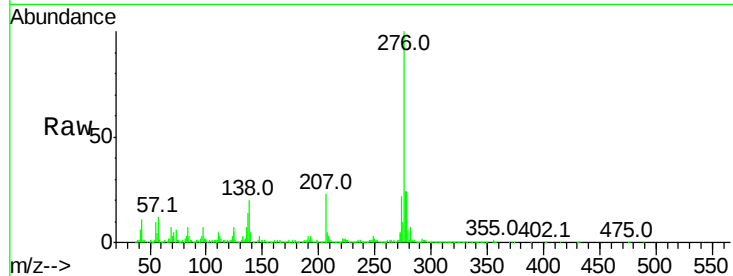
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 21.455 ng/ul
 RT: 26.27 min Scan# 3907
 Delta R.T. 0.01 min
 Lab File: BM011744.D
 Acq: 28 Sep 2017 03:46

Instrument :
 BNA_M
 ClientSampled :
 CB3E8

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.9	9.3	13.9#
277	24.3	19.9	29.9

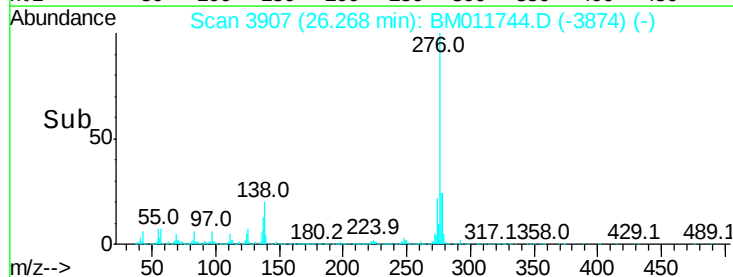
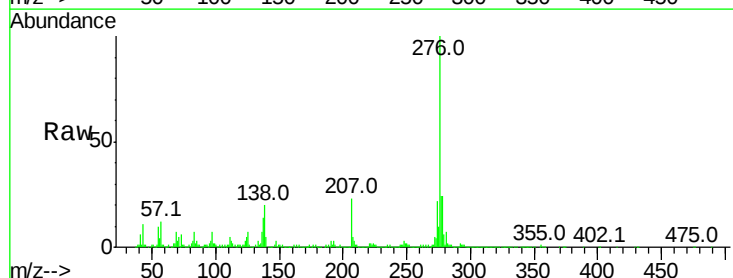
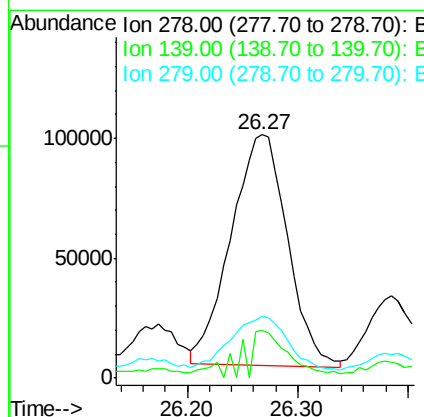
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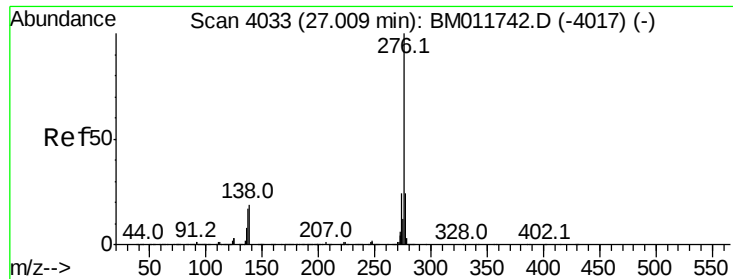
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#90
 Dibenzo(a,h)anthracene
 Concen: 7.167 ng/ul
 RT: 26.27 min Scan# 3907
 Delta R.T. -0.01 min
 Lab File: BM011744.D
 Acq: 28 Sep 2017 03:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.8	5.8	8.8#
279	25.2	18.6	27.8





#91

Benzo(a,h,i)perylene

Concen: 26.055 ng/ul

RT: 27.01 min Scan# 4034

Delta R.T. 0.01 min

Lab File: BM011744.D

Acq: 28 Sep 2017 03:46

Instrument :

BNA_M

ClientSampleId :

CB3E8

Tot Ion:276 Resp: 1245063

Ion Ratio Lower Upper

276 100

138 19.5 8.5 12.7#

277 23.9 18.6 28.0

Manual Integrations

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