

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012418\
 Data File : BM013797.D
 Acq On : 25 Jan 2018 08:32
 Operator : SJ/JU
 Sample : J1079-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DAJJ2

Manual Integrations
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 1/25/2018 5:35:56 PM

Quant Time: Jan 25 11:19:46 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 25 03:36:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	165707	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	708151	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.25	164	654560	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.04	188	827605	20.00	ng/ul	0.04
75) Chrysene-d12	21.22	240	856411	20.00	ng/ul	0.02
83) Perylene-d12	23.41	264	828532	20.00	ng/ul	0.02

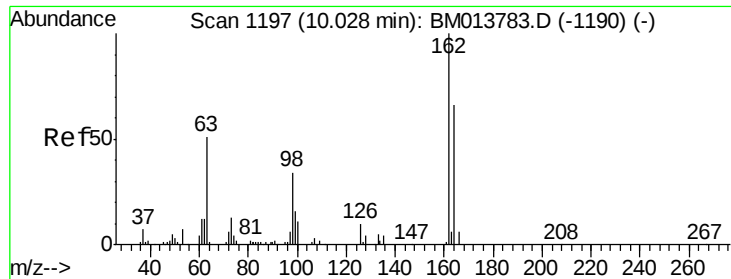
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	1600	0.38	ng/uL	0.00
5) Phenol-d5	6.79	99	59358	4.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	36702	4.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	48060	4.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	48392	4.95	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	30962	5.63	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	28884	4.97	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.01	165	49779	4.44	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	21499	2.21	ng/ul	0.01
43) Dimethylphthalate-d6	13.67	166	182479	3.38	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	194831	2.83	ng/ul	0.01
51) 4-Nitrophenol-d4	14.49	143	53750	6.13	ng/ul	0.02
57) Fluorene-d10	15.26	176	129929	2.74	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.42	200	21557	4.33	ng/ul	0.03
70) Anthracene-d10	17.14	188	210886	5.23	ng/ul	0.05
76) Pyrene-d10	19.42	212	249269	6.25	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.27	264	205005	5.38	ng/ul	0.01

Target Compounds

					Ovalue	
27) 2,4-Dichlorophenol	10.04	162	39243	3.630	ng/ul#	92
28) Naphthalene	10.43	128	15423984	437.803	ng/ul	98
34) 2-Methylnaphthalene	12.06	142	9111118	346.872	ng/ul	95
38) 2,4,6-Trichlorophenol	12.67	196	49515	3.527	ng/ul	95
40) 1,1'-Biphenyl	13.08	154	3353755	61.553	ng/ul	98
49) Acenaphthene	14.33	153	10927911	250.680	ng/ul	98
53) Dibenzofuran	14.67	168	11867884	180.967	ng/ul	99
55) 2,3,4,6-Tetrachlorophenol	14.90	232	3543115	257.860	ng/ul#	92
58) Fluorene	15.33	166	10473385	194.962	ng/ul	99
68) Pentachlorophenol	16.70	266	47722495m	8535.307	ng/ul	
69) Phenanthrene	17.18	178	9322320	202.645	ng/ul	99
72) Carbazole	17.43	167	4576182	116.836	ng/ul	99
74) Fluoranthene	19.09	202	22760674m	414.485	ng/ul	
80) Benzo(a)anthracene	21.20	228	4620206	89.282	ng/ul	98
82) Chrysene	21.25	228	4165701m	87.749	ng/ul	
85) Benzo(b)fluoranthene	22.76	252	2834225	55.702	ng/ul#	95
86) Benzo(k)fluoranthene	22.79	252	830019m	16.877	ng/ul	
88) Benzo(a)pyrene	23.32	252	1371497	28.533	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.61	276	487409	8.590	ng/ul#	98
91) Benzo(g,h,i)perylene	26.29	276	360329	7.716	ng/ul#	90

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



#27

2,4-Dichlorophenol

Concen: 3.630 ng/ul

RT: 10.04 min Scan# 1199

Delta R.T. 0.01 min

Lab File: BM013797.D

Acq: 25 Jan 2018 08:32

Instrument :

BNA_M

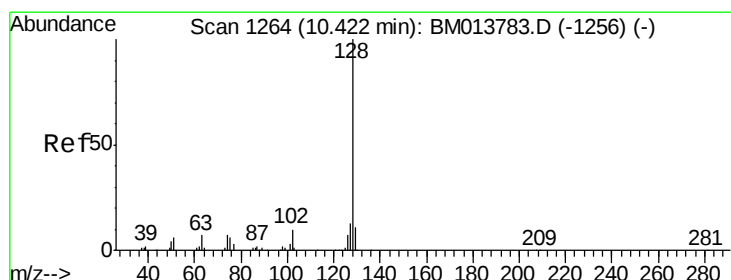
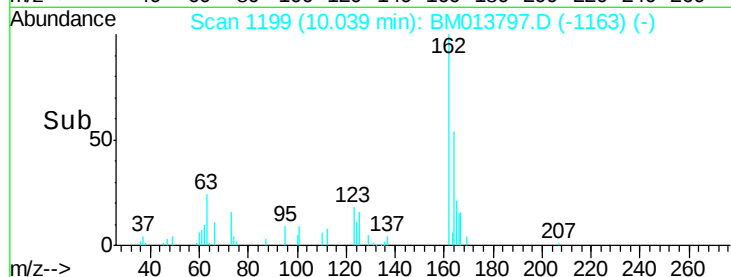
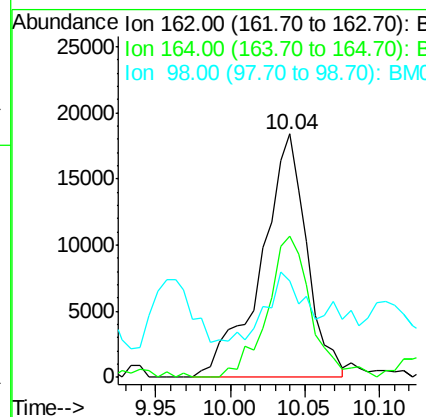
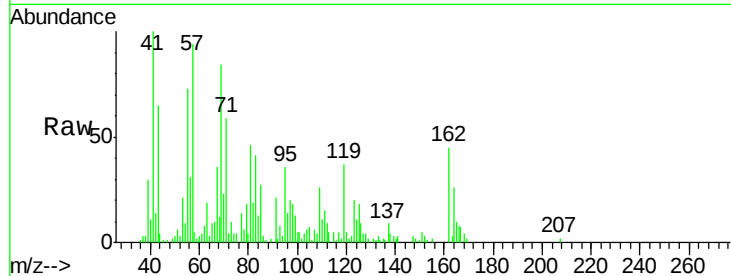
ClientSampled :

DAJJ2

Tot Ion:	162	Resp:	39243
Ion Ratio	Lower	Upper	
162	100		
164	58.1	47.8	71.6
98	39.8	23.0	34.4#

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#28

Naphthalene

Concen: 437.803 ng/ul

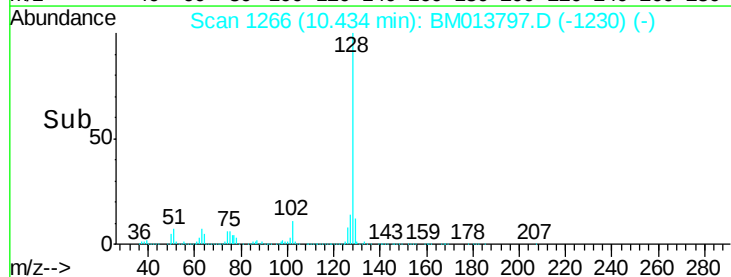
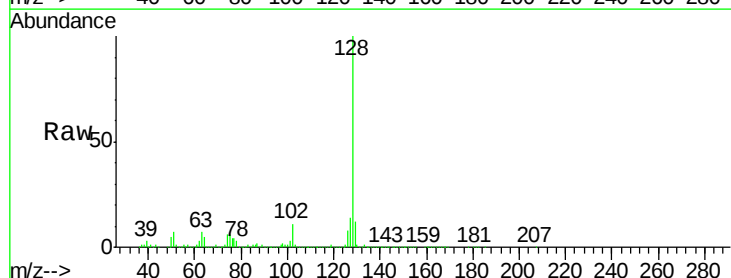
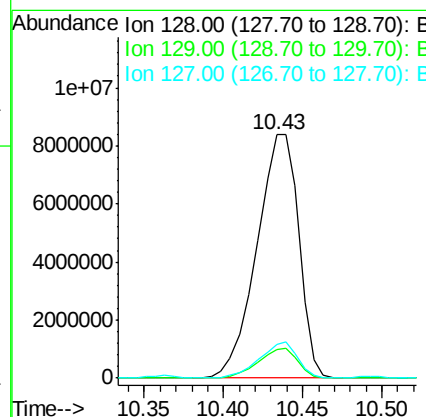
RT: 10.43 min Scan# 1266

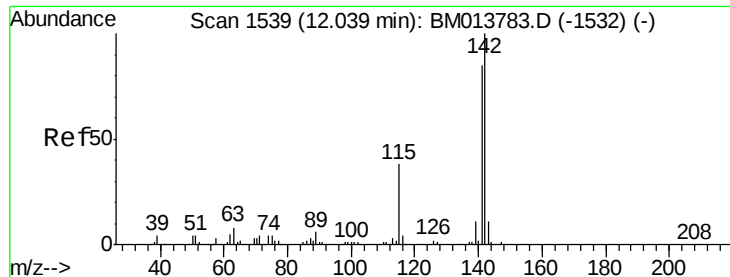
Delta R.T. 0.01 min

Lab File: BM013797.D

Acq: 25 Jan 2018 08:32

Tgt Ion:	128	Resp:	15423984
Ion Ratio	Lower	Upper	
128	100		
129	11.9	8.8	13.2
127	13.9	10.6	16.0





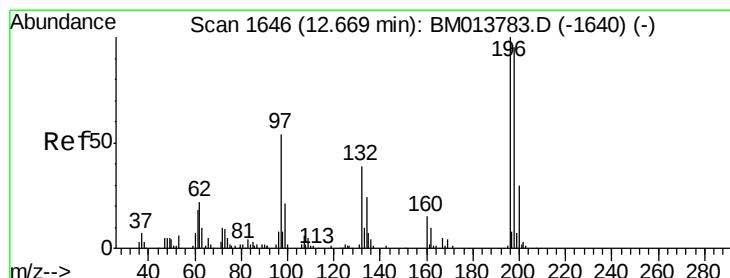
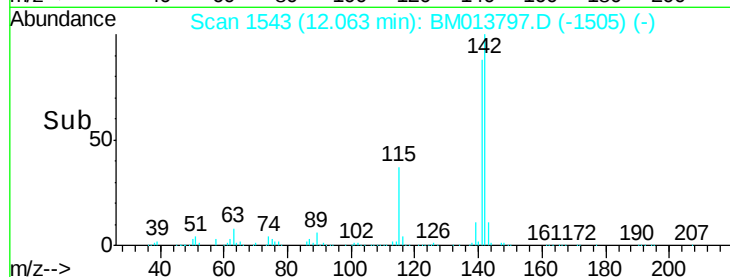
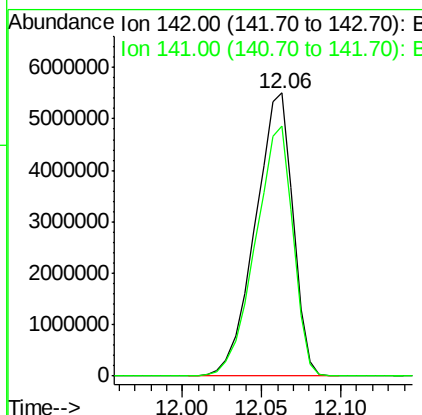
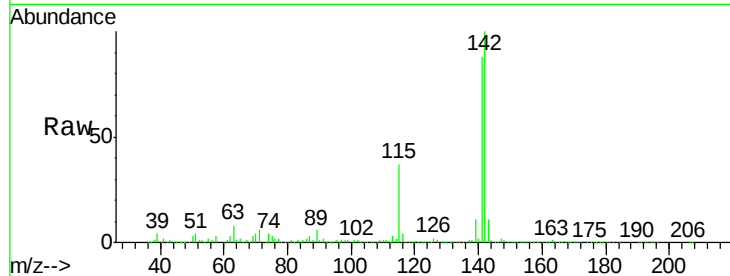
#34
 2-Methylnaphthalene
 Concen: 346.872 ng/ul
 RT: 12.06 min Scan# 1543
 Delta R.T. 0.02 min
 Lab File: BM013797.D
 Acq: 25 Jan 2018 08:32

Instrument :
 BNA_M
 ClientSampleId :
 DAJJ2

Tot Ion:142 Resp: 9111118
 Ion Ratio Lower Upper
 142 100
 141 88.2 74.1 111.1

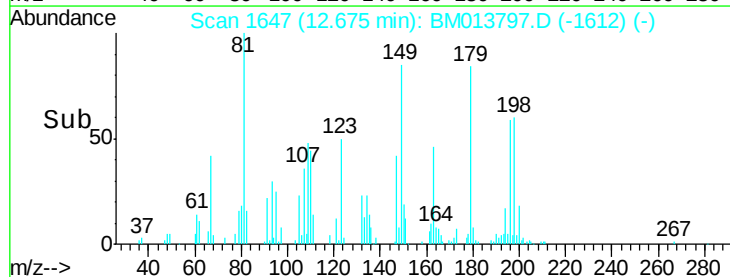
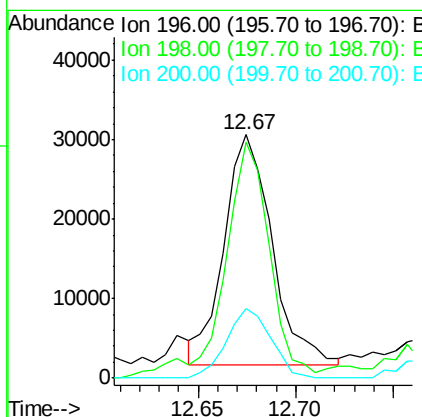
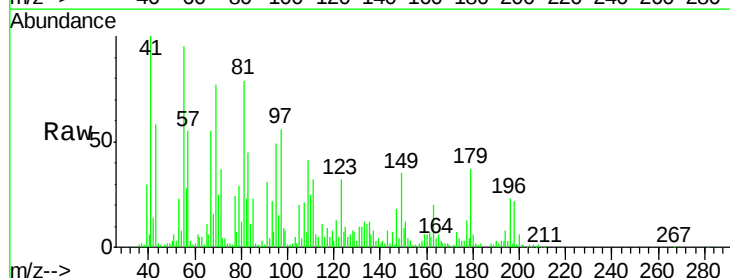
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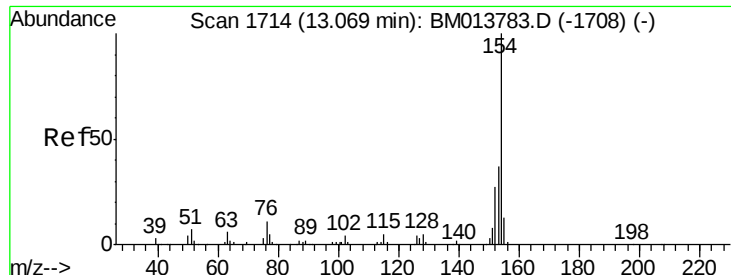
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#38
 2,4,6-Trichlorophenol
 Concen: 3.527 ng/ul
 RT: 12.67 min Scan# 1647
 Delta R.T. 0.01 min
 Lab File: BM013797.D
 Acq: 25 Jan 2018 08:32

Tgt Ion:196 Resp: 49515
 Ion Ratio Lower Upper
 196 100
 198 97.0 74.1 111.1
 200 28.4 25.2 37.8





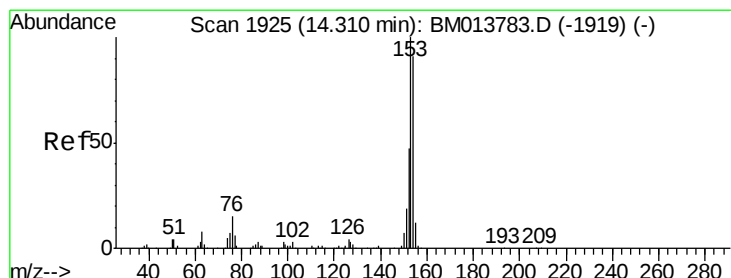
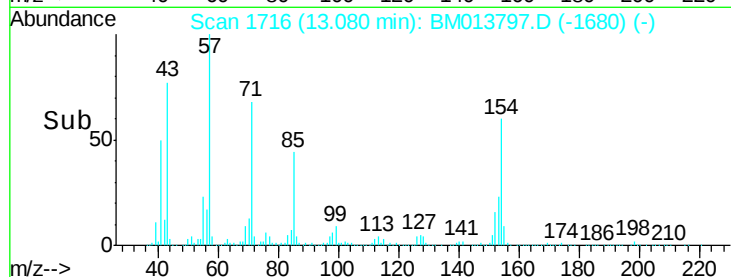
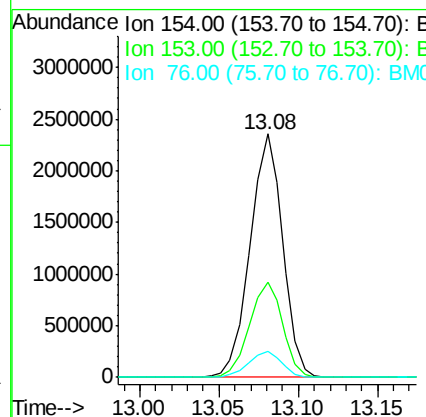
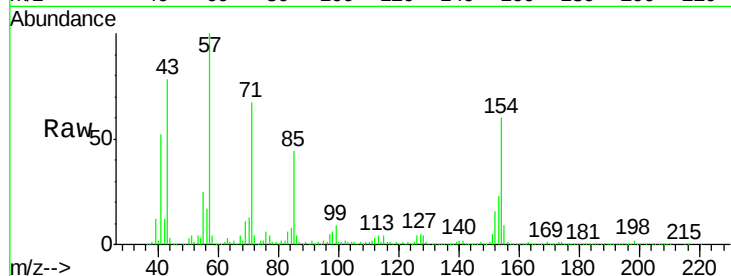
#40
1,1'-Biphenyl
Concen: 61.553 ng/ul
RT: 13.08 min Scan# 1716
Delta R.T. 0.01 min
Lab File: BM013797.D
Acq: 25 Jan 2018 08:32

Instrument :
BNA_M
ClientSampleId :
DAJJ2

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.0	32.6	48.8
76	10.5	8.5	12.7

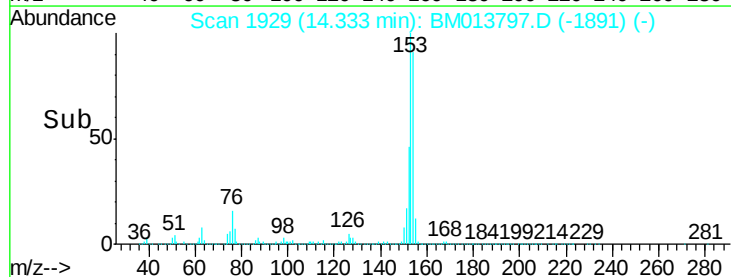
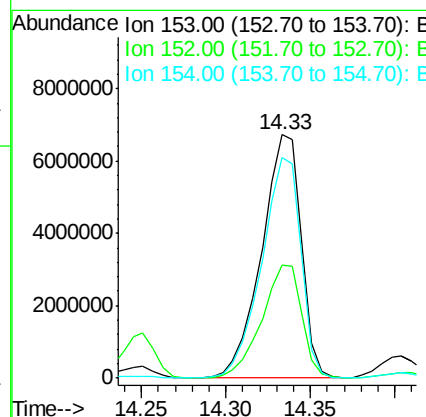
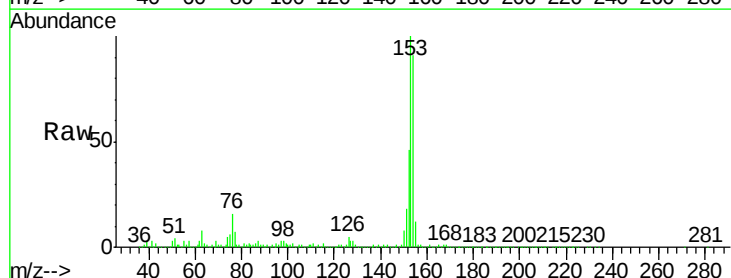
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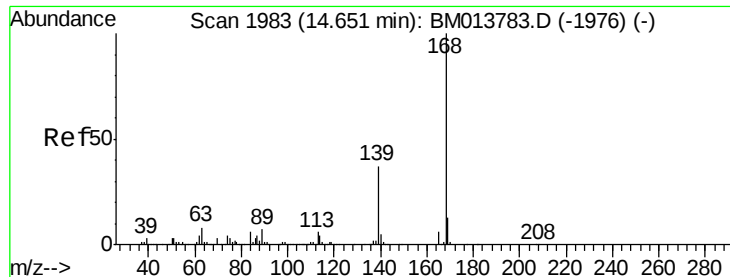
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#49
Acenaphthene
Concen: 250.680 ng/ul
RT: 14.33 min Scan# 1929
Delta R.T. 0.02 min
Lab File: BM013797.D
Acq: 25 Jan 2018 08:32

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.5	37.6	56.4
154	90.6	70.4	105.6





#53

Dibenzofuran

Concen: 180.967 ng/ul

RT: 14.67 min Scan# 1986

Delta R.T. 0.02 min

Lab File: BM013797.D

Acq: 25 Jan 2018 08:32

Instrument :

BNA_M

ClientSampled :

DAJJ2

Tot Ion:168 Resp:11867884

Ion Ratio Lower Upper

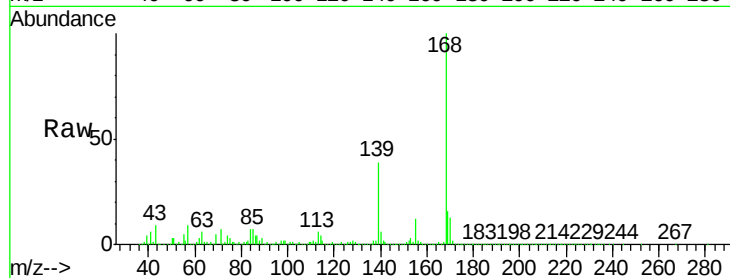
168 100

139 39.2 30.8 46.2

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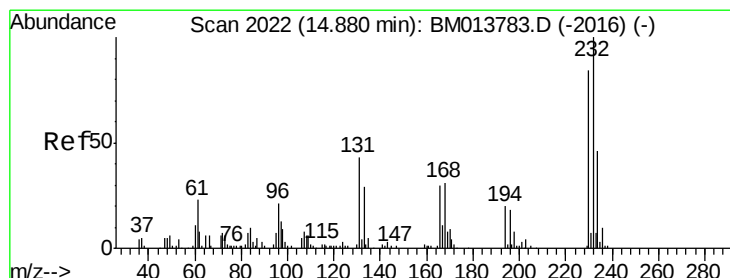
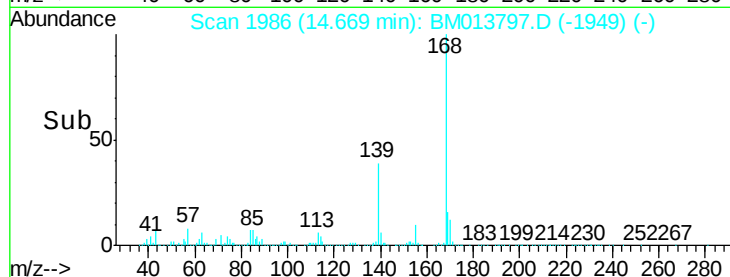
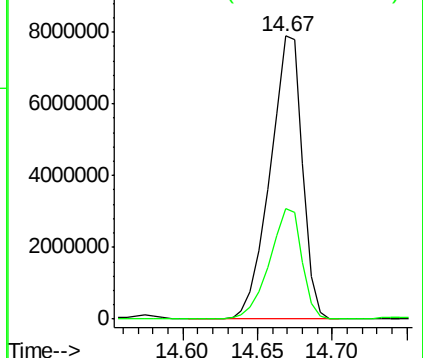
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#55

2,3,4,6-Tetrachlorophenol

Concen: 257.860 ng/ul

RT: 14.90 min Scan# 2026

Delta R.T. 0.02 min

Lab File: BM013797.D

Acq: 25 Jan 2018 08:32

Tgt Ion:232 Resp: 3543115

Ion Ratio Lower Upper

232 100

131 42.9 29.0 43.4

130 3.2 2.0 3.0#

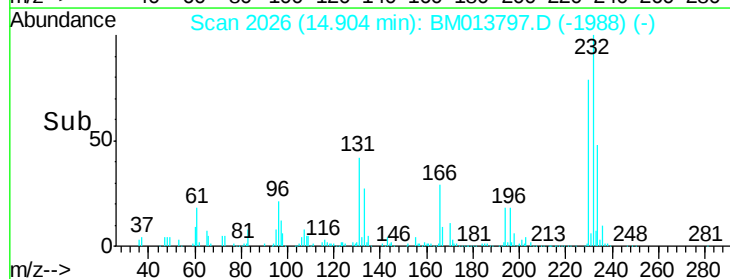
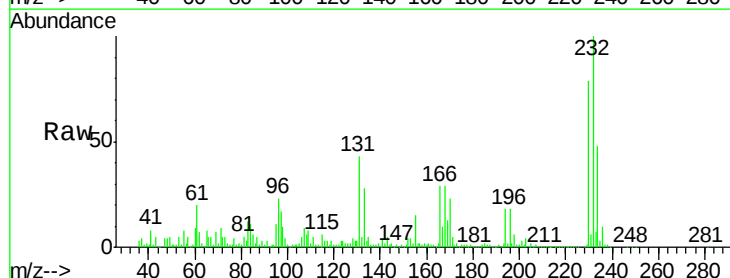
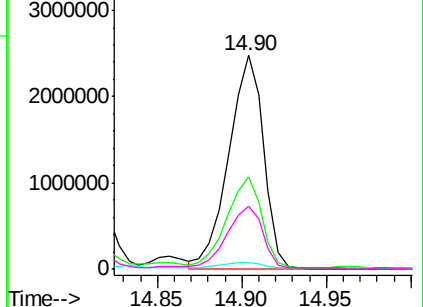
166 29.3 21.4 32.2

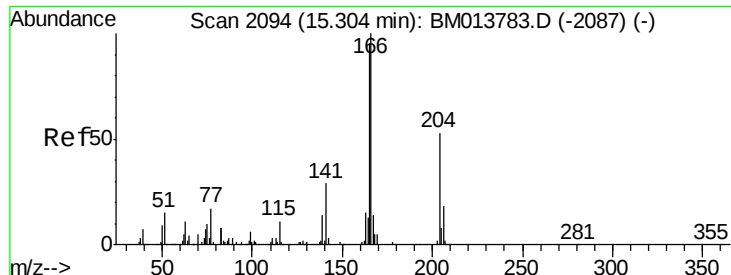
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





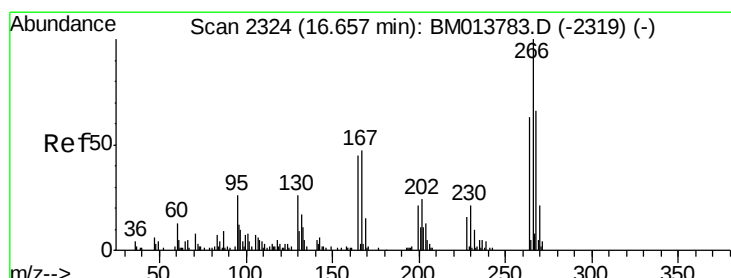
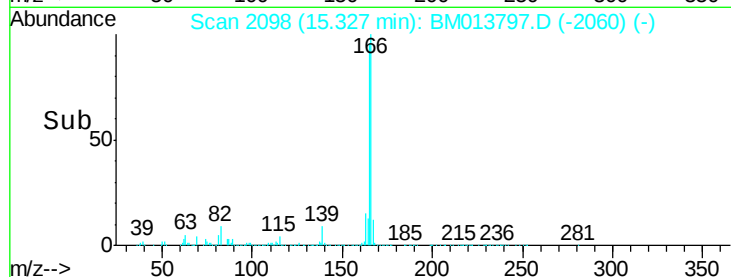
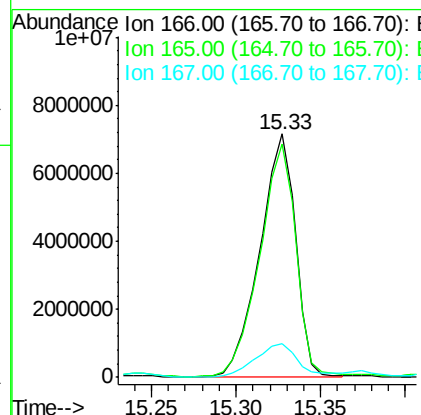
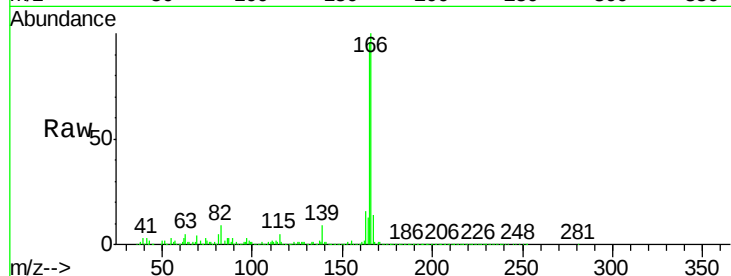
#58
 Fluorene
 Concen: 194.962 ng/ul
 RT: 15.33 min Scan# 2098
 Delta R.T. 0.02 min
 Lab File: BM013797.D
 Acq: 25 Jan 2018 08:32

Instrument :
 BNA_M
 ClientSampleId :
 DAJJ2

Tot Ion:166 Resp:10473385
 Ion Ratio Lower Upper
 166 100
 165 96.0 77.9 116.9
 167 13.8 10.6 16.0

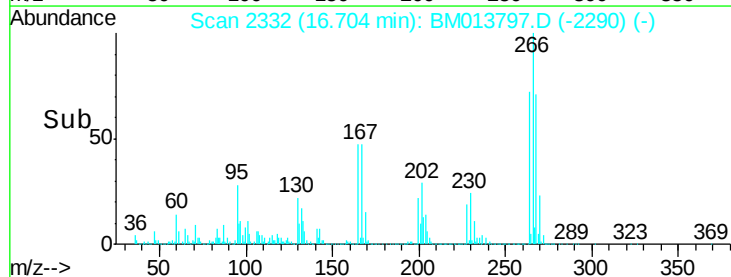
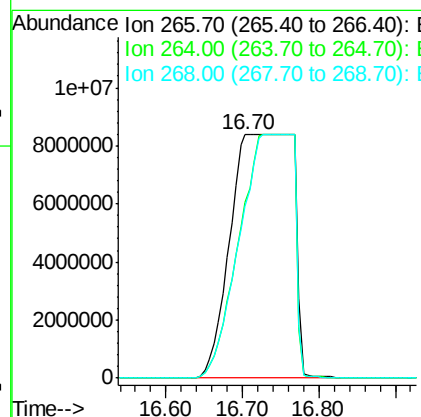
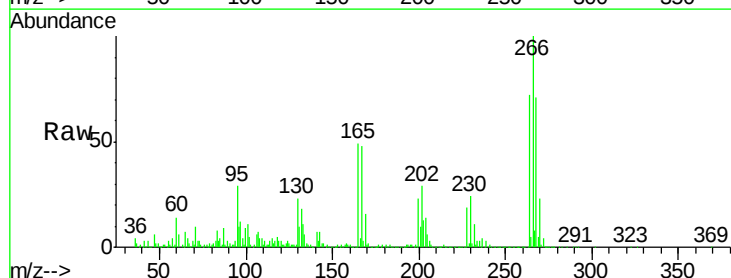
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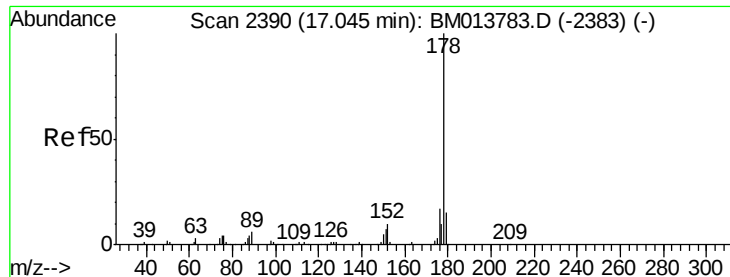
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#68
 Pentachlorophenol
 Concen: 8535.307 ng/ul m
 RT: 16.70 min Scan# 2332
 Delta R.T. 0.05 min
 Lab File: BM013797.D
 Acq: 25 Jan 2018 08:32

Tgt Ion:266 Resp:47722495
 Ion Ratio Lower Upper
 266 100
 264 72.2 49.3 73.9
 268 70.6 52.6 78.8





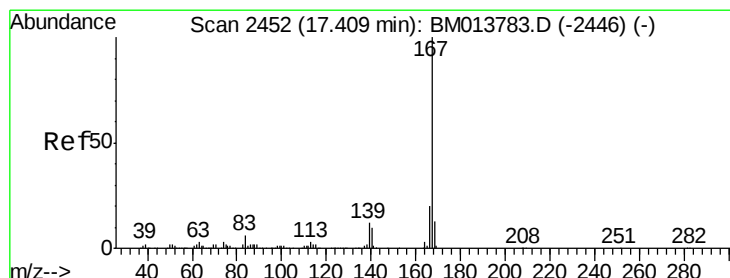
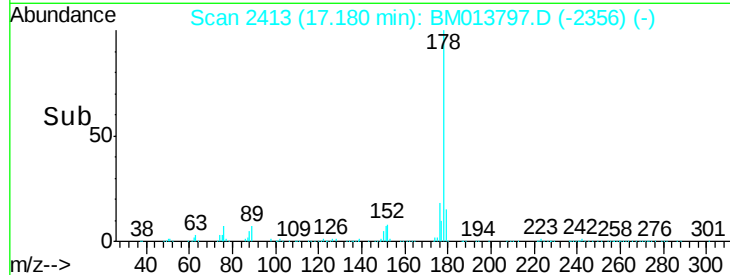
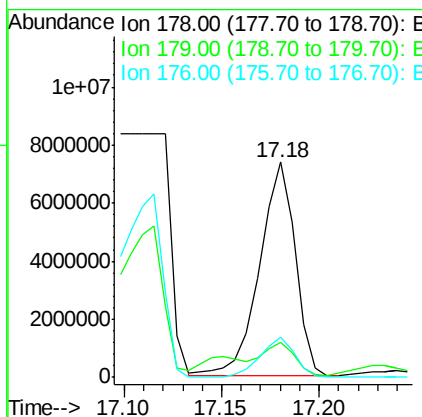
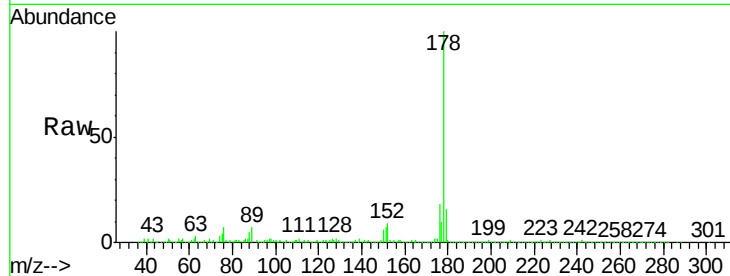
#69
Phenanthrene
Concen: 202.645 ng/ul
RT: 17.18 min Scan# 2413
Delta R.T. 0.14 min
Lab File: BM013797.D
Acq: 25 Jan 2018 08:32

Instrument :
BNA_M
ClientSampleId :
DAJJ2

Tot Ion:178 Resp: 9322320
Ion Ratio Lower Upper
178 100
179 16.2 12.6 19.0
176 18.4 14.9 22.3

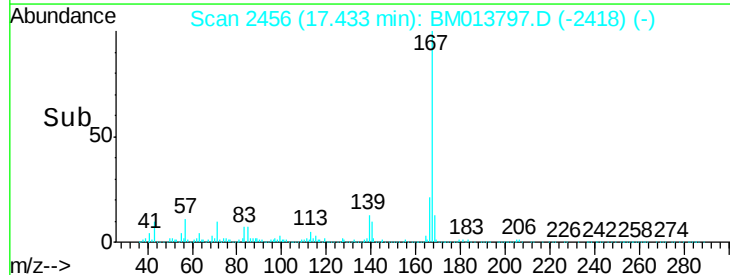
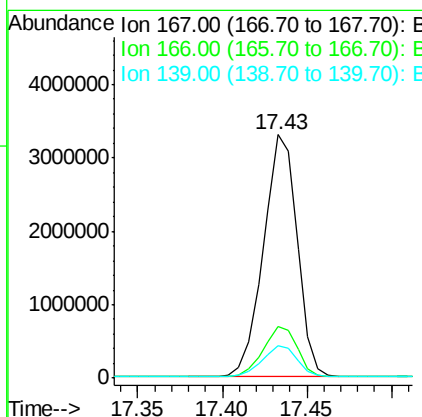
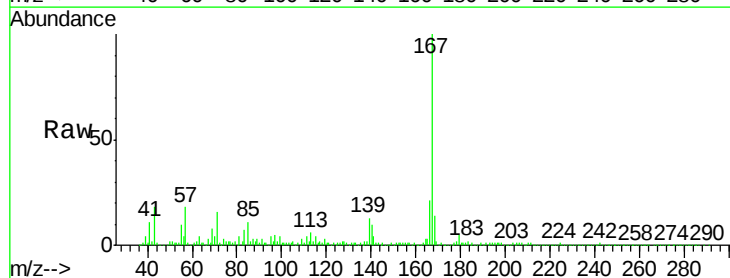
Manual Integrations
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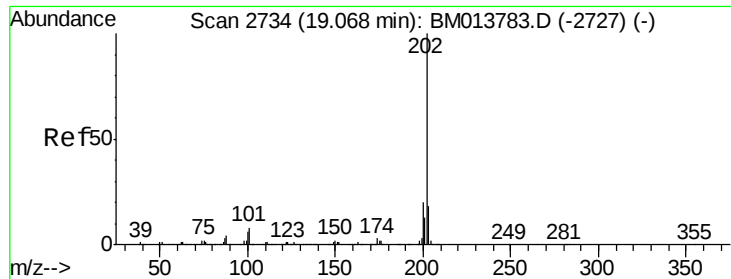
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#72
Carbazole
Concen: 116.836 ng/ul
RT: 17.43 min Scan# 2456
Delta R.T. 0.02 min
Lab File: BM013797.D
Acq: 25 Jan 2018 08:32

Tgt Ion:167 Resp: 4576182
Ion Ratio Lower Upper
167 100
166 21.2 17.1 25.7
139 13.3 10.0 15.0





#74

Fluoranthene

Concen: 414.485 ng/ul m

RT: 19.09 min Scan# 2737

Delta R.T. 0.02 min

Lab File: BM013797.D

Acq: 25 Jan 2018 08:32

Instrument :

BNA_M

ClientSampleId :

DAJJ2

Tot Ion:202 Resp:22760674

Ion Ratio Lower Upper

202 100

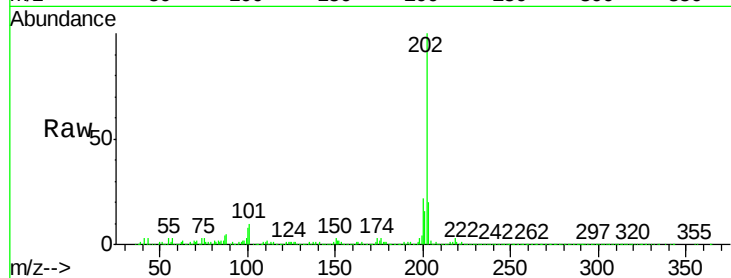
101 10.0 4.6 7.0#

100 7.7 3.4 5.2#

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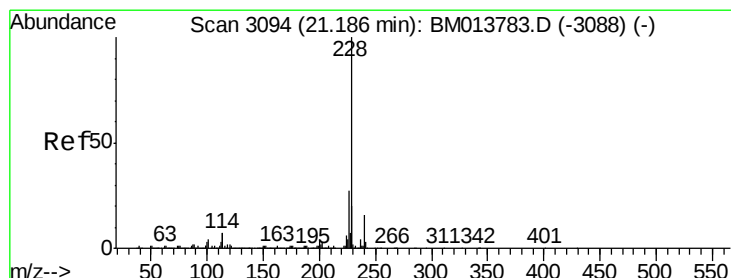
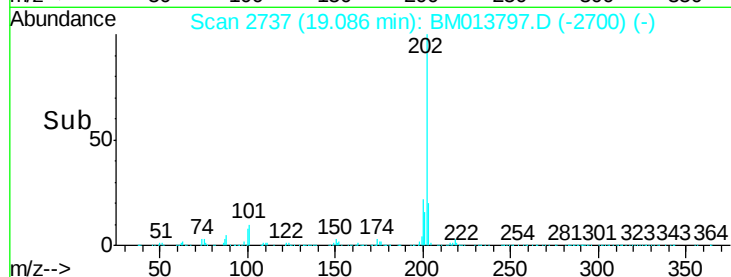
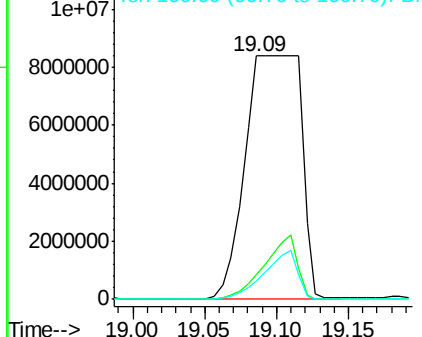
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 89.282 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM013797.D

Acq: 25 Jan 2018 08:32

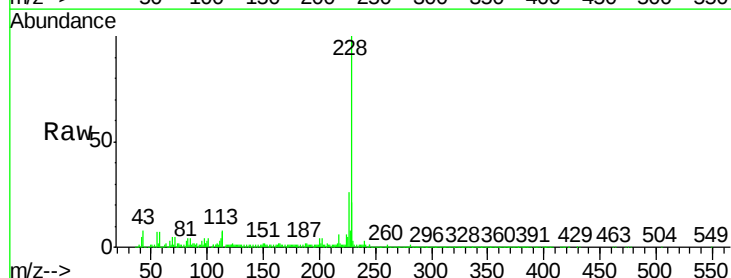
Tgt Ion:228 Resp: 4620206

Ion Ratio Lower Upper

228 100

229 20.8 15.4 23.0

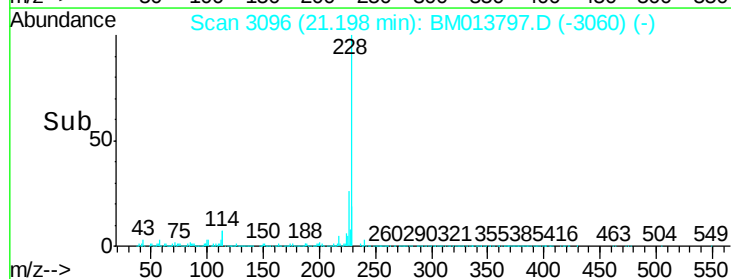
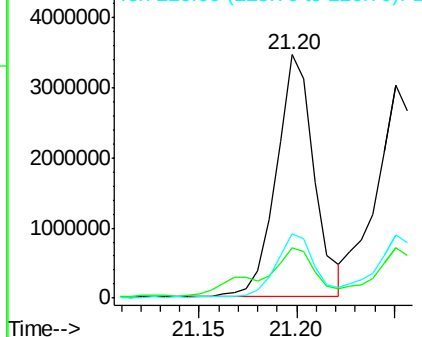
226 26.4 21.4 32.0

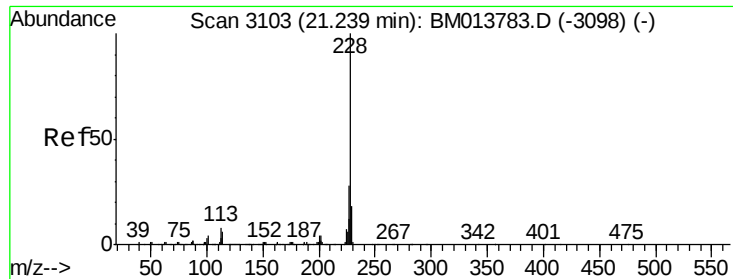


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 87.749 ng/ul m

RT: 21.25 min Scan# 3105

Delta R.T. 0.01 min

Lab File: BM013797.D

Acq: 25 Jan 2018 08:32

Instrument :

BNA_M

ClientSampled :

DAJJ2

Tot Ion:228 Resp: 4165701

Ion Ratio Lower Upper

228 100

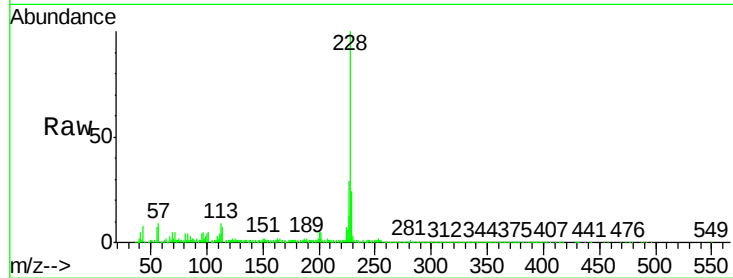
226 29.4 23.4 35.2

229 23.8 15.5 23.3#

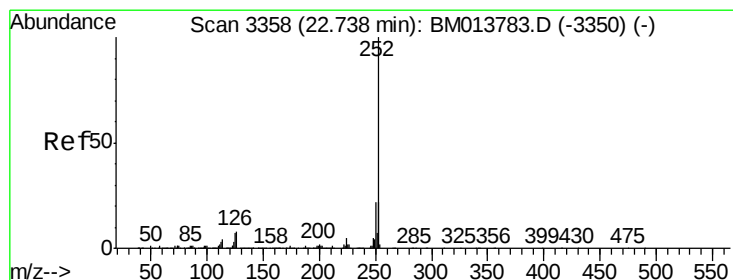
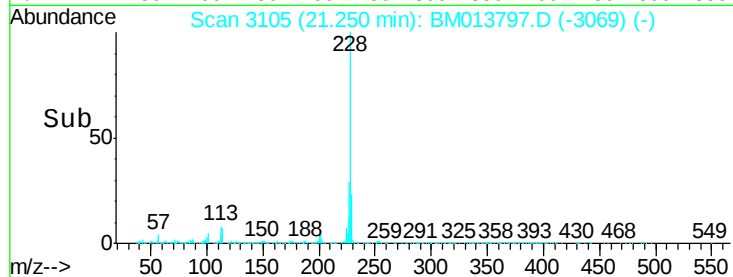
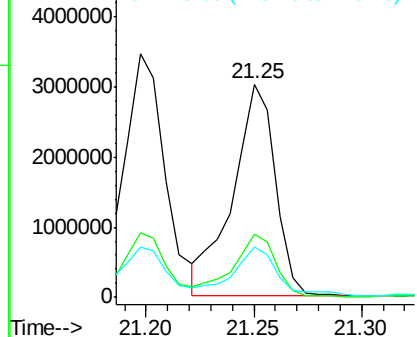
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 55.702 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. 0.02 min

Lab File: BM013797.D

Acq: 25 Jan 2018 08:32

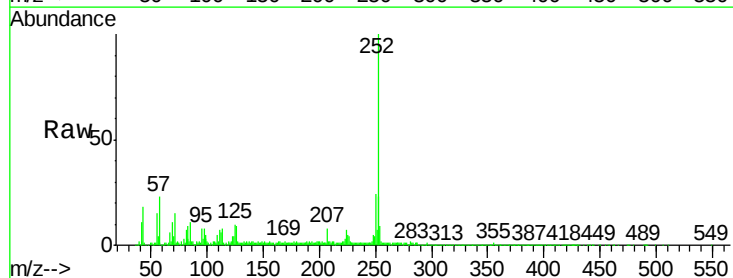
Tgt Ion:252 Resp: 2834225

Ion Ratio Lower Upper

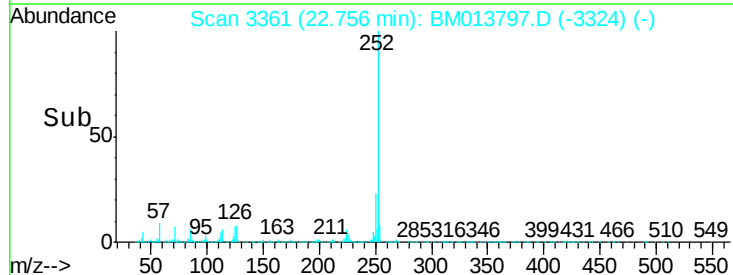
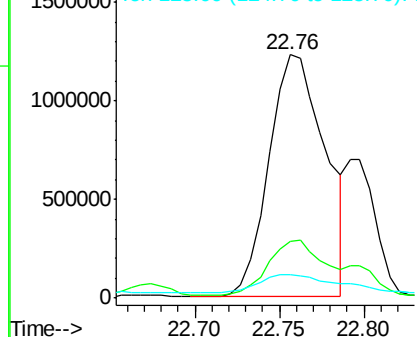
252 100

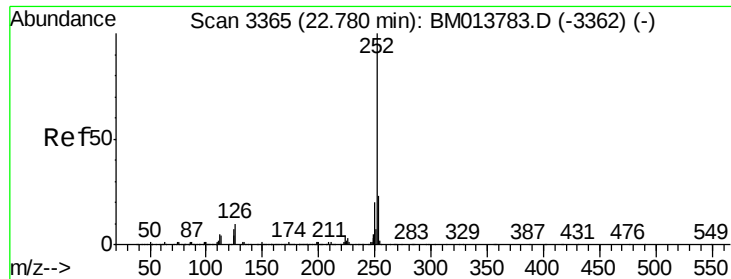
253 23.5 17.9 26.9

125 9.8 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





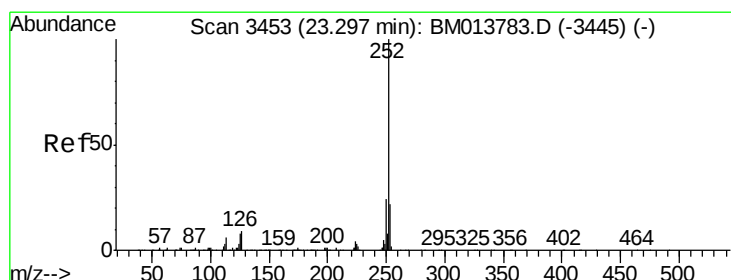
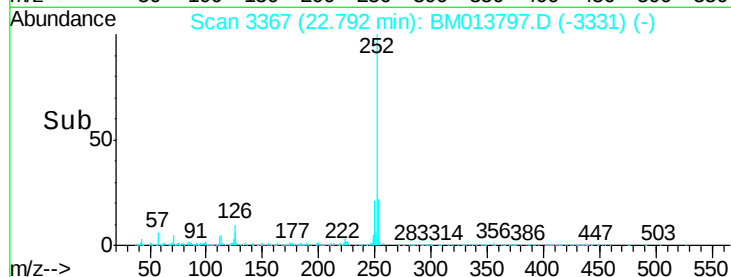
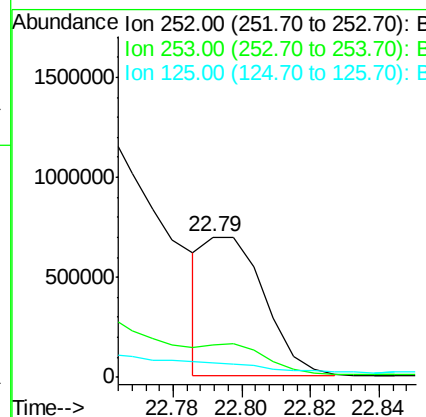
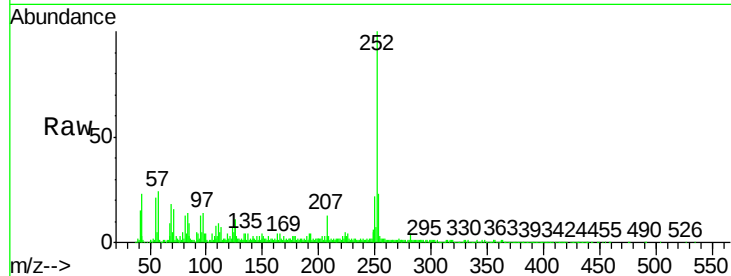
#86
Benzo(k)fluoranthene
Concen: 16.877 ng/ul m
RT: 22.79 min Scan# 3367
Delta R.T. 0.01 min
Lab File: BM013797.D
Acq: 25 Jan 2018 08:32

Instrument :
BNA_M
ClientSampled :
DAJJ2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	10.6	3.4	5.2#

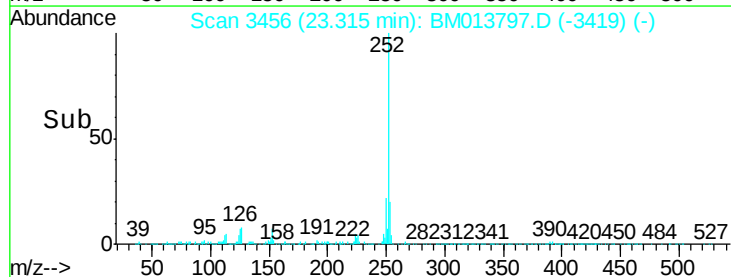
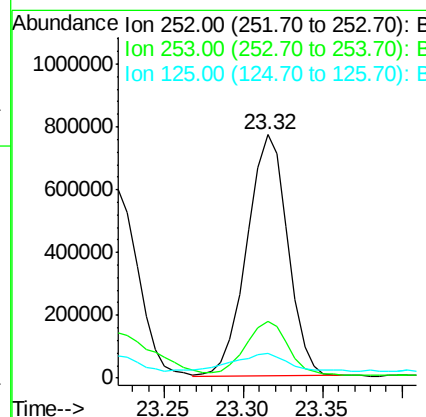
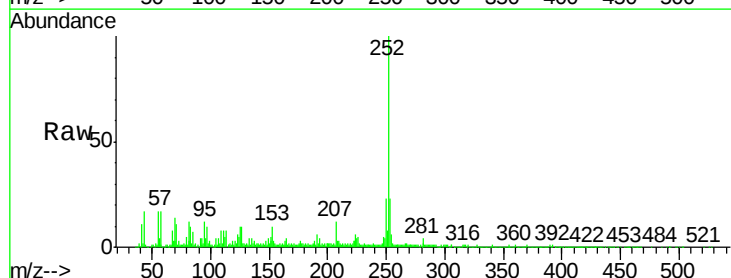
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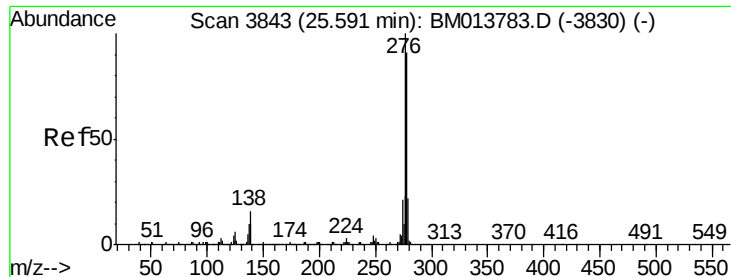
Sohil
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#88
Benzo(a)pyrene
Concen: 28.533 ng/ul
RT: 23.32 min Scan# 3456
Delta R.T. 0.02 min
Lab File: BM013797.D
Acq: 25 Jan 2018 08:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	10.0	4.0	6.0#





#89

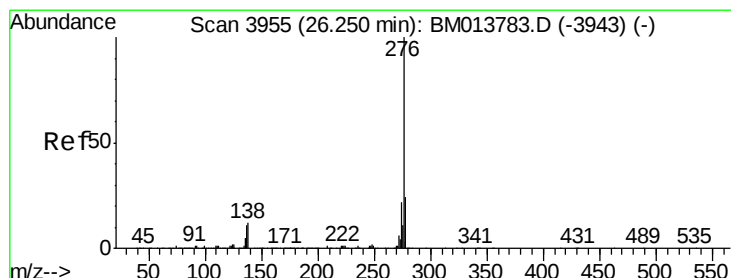
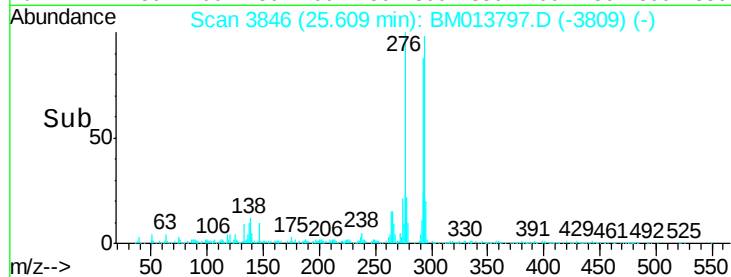
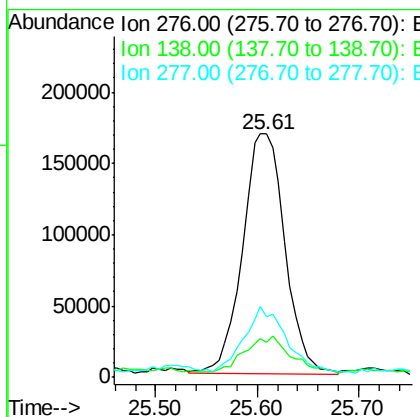
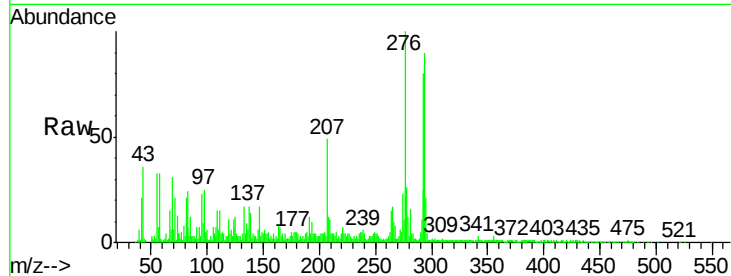
Indeno(1,2,3-cd)pyrene
Concen: 8.590 ng/ul
RT: 25.61 min Scan# 3846
Delta R.T. 0.02 min
Lab File: BM013797.D
Acq: 25 Jan 2018 08:32

Instrument :
BNA_M
ClientSampleId :
DAJJ2

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.1	9.3	13.9#
277	25.1	19.9	29.9

Manual Integrations
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1/25/2018 5:35:56 PM



#91

Benzo(g,h,i)perylene
Concen: 7.716 ng/ul
RT: 26.29 min Scan# 3961
Delta R.T. 0.04 min
Lab File: BM013797.D
Acq: 25 Jan 2018 08:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.3	8.5	12.7#
277	26.4	18.6	28.0

