

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071916\
 Data File : BM006549.D
 Acq On : 20 Jul 2016 10:06
 Operator : UM/SJ
 Sample : H3959-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BDJ23

Manual Integrations

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Quant Time: Jul 20 14:06:57 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 20 04:22:37 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	205094	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	839688	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	456872	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	999314	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	1074298	20.00	ng/ul	0.00
83) Perylene-d12	23.41	264	1276508	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	6905	1.42	ng/uL	0.00
5) Phenol-d5	6.79	99	260940	15.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	166220	16.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	207571	15.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	200787	15.03	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	97591	15.34	ng/ul	0.00
22) 2-Nitrophenol-d4	9.48	143	105252	14.63	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	190392	14.03	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	258743	18.23	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	582760	15.58	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	741126	16.03	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	82141	12.65	ng/ul	0.00
57) Fluorene-d10	15.26	176	523633	15.75	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	59746	10.34	ng/ul	0.00
70) Anthracene-d10	17.12	188	790155	16.73	ng/ul	0.00
76) Pyrene-d10	19.42	212	852343	17.50	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.27	264	1000152	17.13	ng/ul	0.00

Target Compounds

					Qvalue
28) Naphthalene	10.46	128	13593733	318.95 ng/ul	98
34) 2-Methylnaphthalene	12.06	142	1166281	36.31 ng/ul	99
40) 1,1'-Biphenyl	13.09	154	397083	10.54 ng/ul	98
44) Dimethylphthalate	13.72	163	124867	3.29 ng/ul	100
47) Acenaphthylene	13.98	152	186261	3.87 ng/ul#	95
49) Acenaphthene	14.33	153	1874466	60.51 ng/ul	98
53) Dibenzofuran	14.67	168	1467120	32.53 ng/ul	99
58) Fluorene	15.32	166	1468802	40.72 ng/ul	100
69) Phenanthrene	17.06	178	5532177	100.68 ng/ul	98
71) Anthracene	17.15	178	2347325	41.53 ng/ul	99
72) Carbazole	17.42	167	403959	8.45 ng/ul	99
74) Fluoranthene	19.09	202	5123875m	80.24 ng/ul	
77) Pyrene	19.45	202	4216813	65.74 ng/ul	96
80) Benzo(a)anthracene	21.20	228	2193892	33.46 ng/ul	95
82) Chrysene	21.25	228	2011732	32.59 ng/ul	98
85) Benzo(b)fluoranthene	22.76	252	2392820	31.36 ng/ul	98
86) Benzo(k)fluoranthene	22.79	252	959128m	13.37 ng/ul	
88) Benzo(a)pyrene	23.31	252	1840142	25.18 ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.60	276	1177513	13.85 ng/ul	95
90) Dibenzo(a,h)anthracene	25.60	278	317623	4.50 ng/ul#	86
91) Benzo(g,h,i)perylene	26.27	276	949399	12.63 ng/ul	99

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Misc :
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Instrument :
BNA_M
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Manual Integrations

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Quant Time: Jul 20 14:06:57 2016
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 20 04:22:37 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

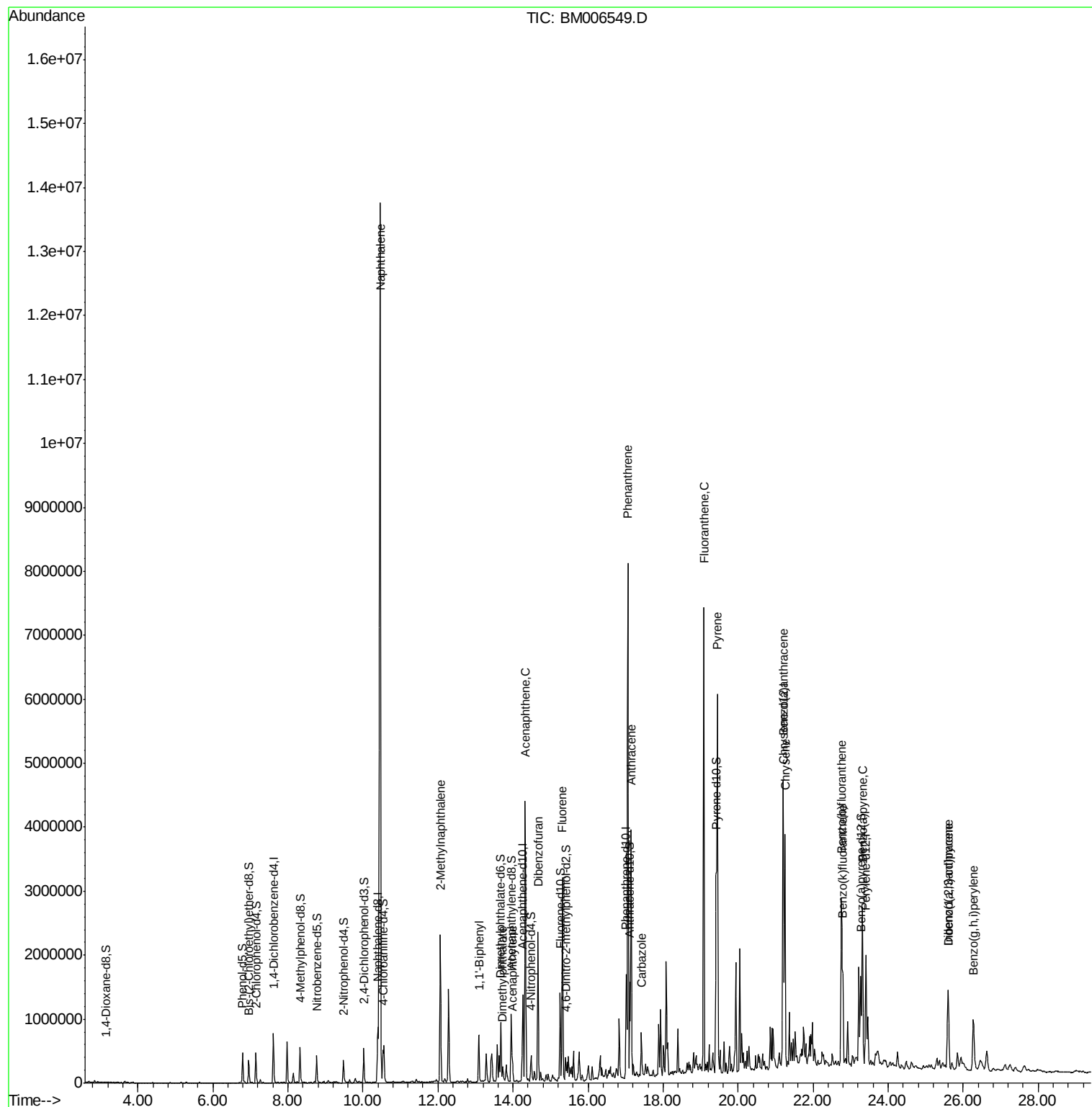
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071916\
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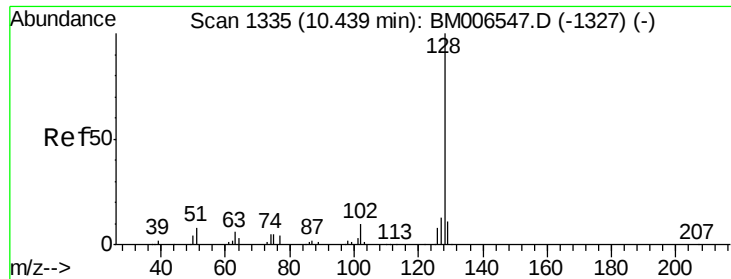
Instrument :
BNA_M
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BDJ23

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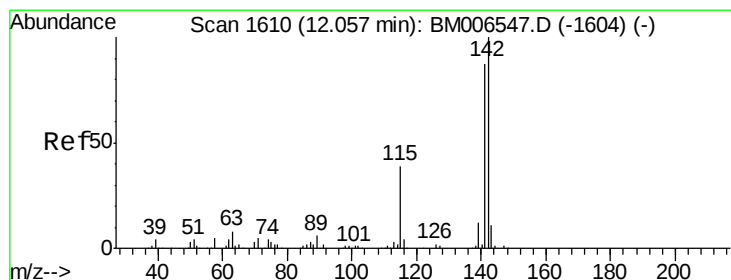
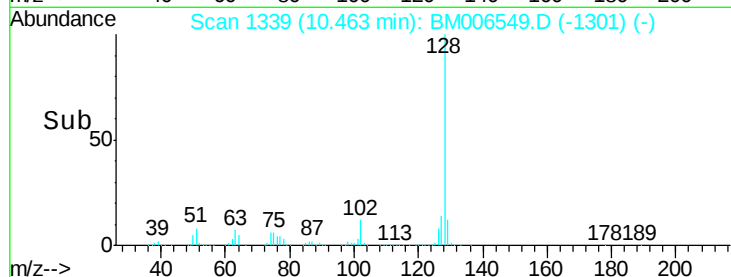
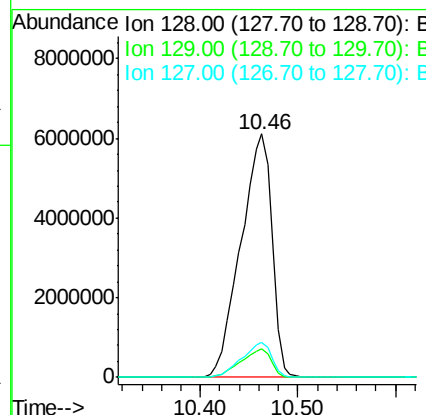
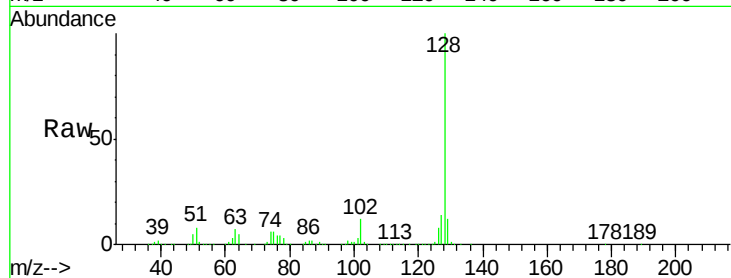
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Naphthalene
Concen: 318.95 ng/ul
RT: 10.46 min Scan# 1339
Delta R.T. 0.02 min
Lab File: BM006549.D
Acq: 20 Jul 2016 10:06

Instrument :
BNA_M
ClientSampleId :
BDJ23

Tgt Ion:128 Resp:13593733
Ion Ratio Lower Upper
128 100
129 11.6 8.6 13.0
127 14.3 10.9 16.3

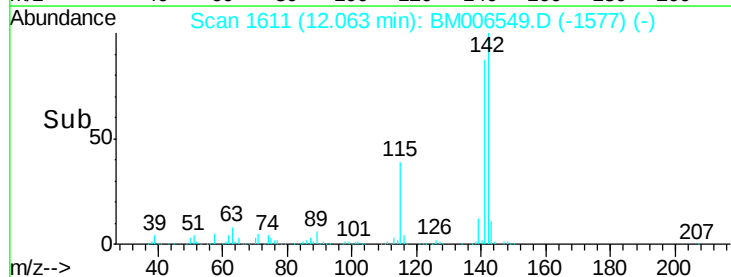
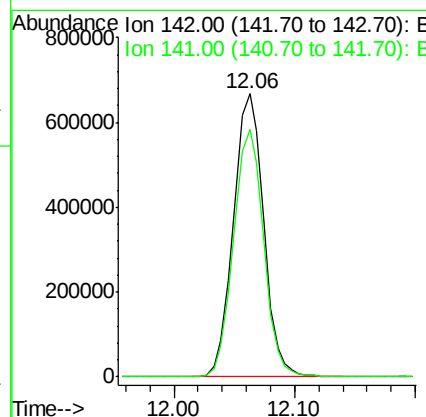
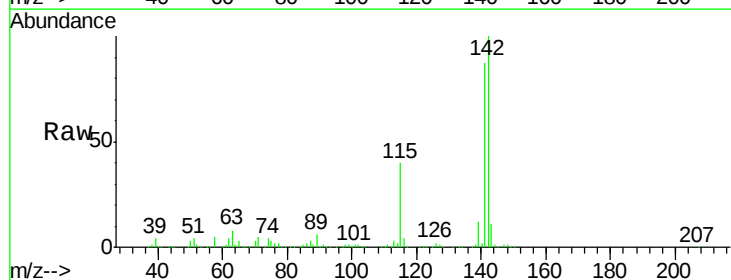
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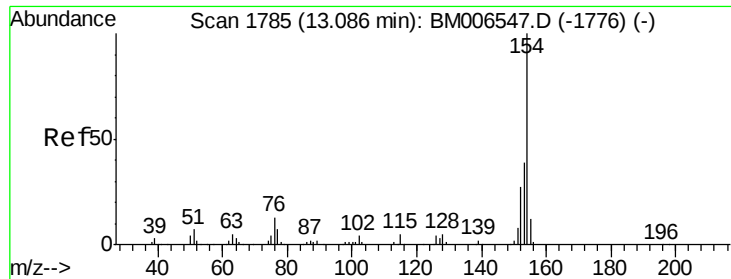
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#34
2-Methylnaphthalene
Concen: 36.31 ng/ul
RT: 12.06 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BM006549.D
Acq: 20 Jul 2016 10:06

Tgt Ion:142 Resp: 1166281
Ion Ratio Lower Upper
142 100
141 87.4 69.0 103.4





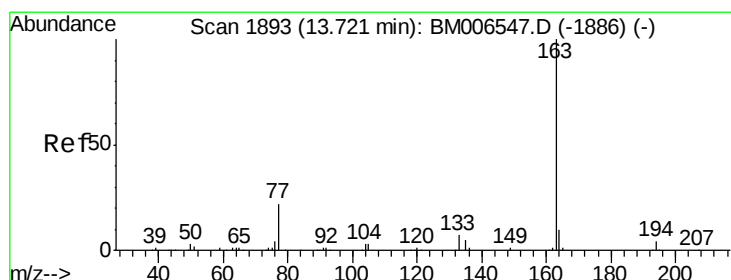
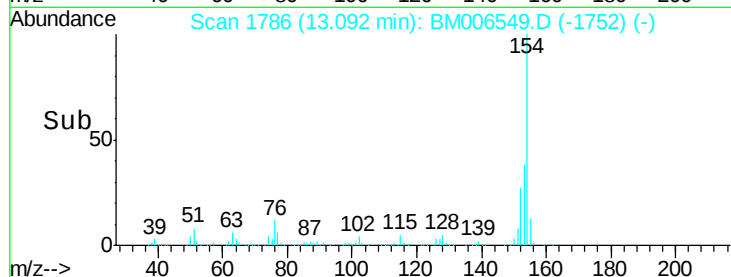
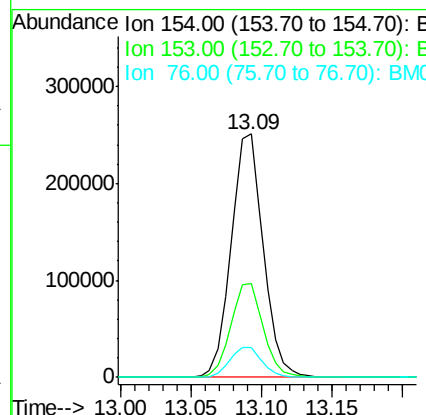
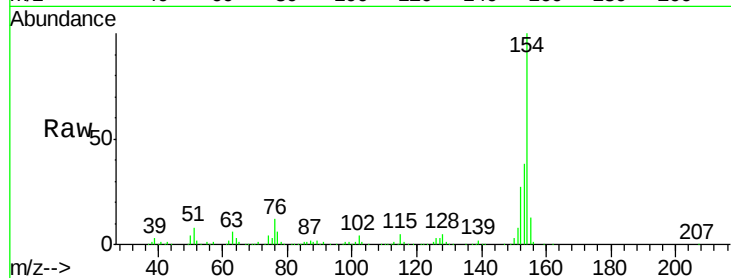
#40
1,1'-Biphenyl
Concen: 10.54 ng/ul
RT: 13.09 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BM006549.D
Acq: 20 Jul 2016 10:06

Instrument :
BNA_M
ClientSampleId :
BDJ23

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.4	31.4	47.2
76	12.1	10.4	15.6

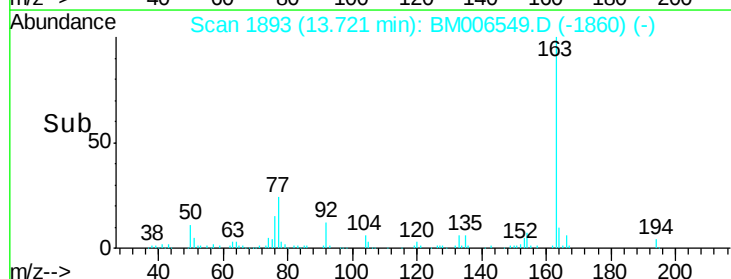
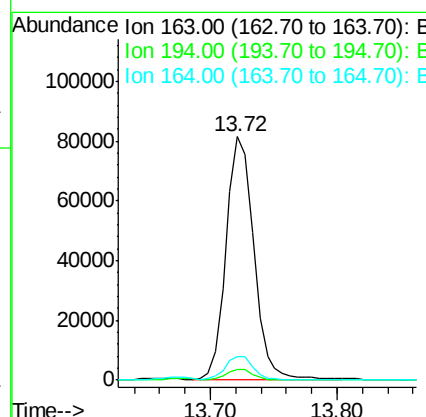
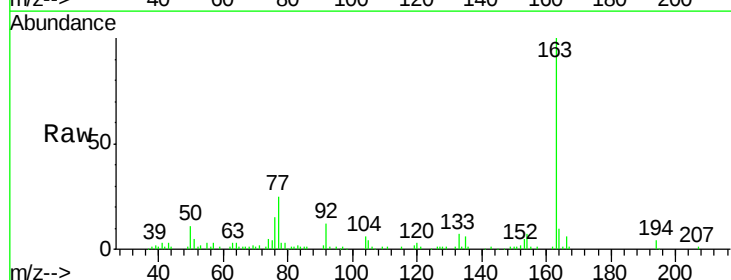
Manual Integrations

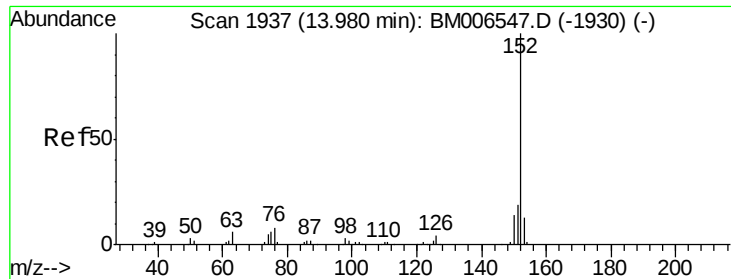
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#44
Dimethylphthalate
Concen: 3.29 ng/ul
RT: 13.72 min Scan# 1893
Delta R.T. -0.01 min
Lab File: BM006549.D
Acq: 20 Jul 2016 10:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	9.7	7.8	11.8





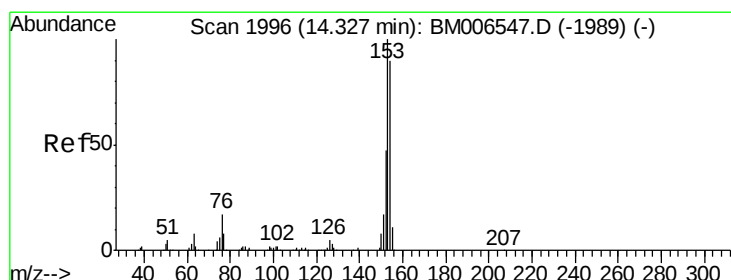
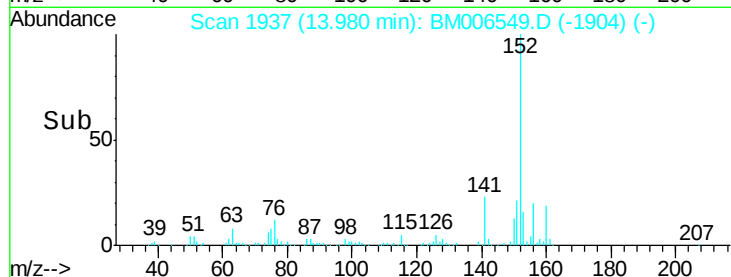
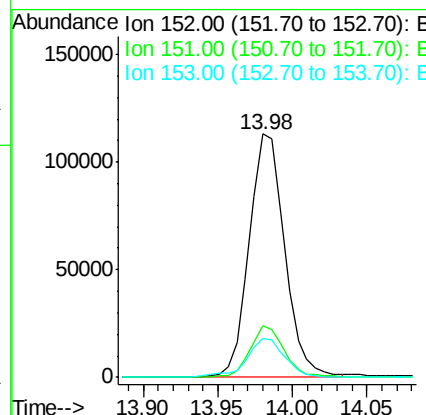
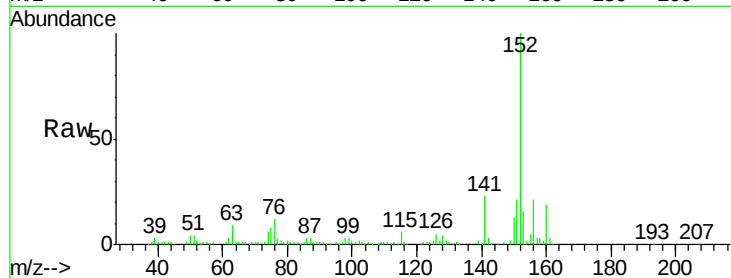
#47
Acenaphthylene
Concen: 3.87 ng/ul
RT: 13.98 min Scan# 1937
Delta R.T. -0.01 min
Lab File: BM006549.D
Acq: 20 Jul 2016 10:06

Instrument :
BNA_M
ClientSampleId :
BDJ23

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.3	15.6	23.4
153	16.0	10.3	15.5

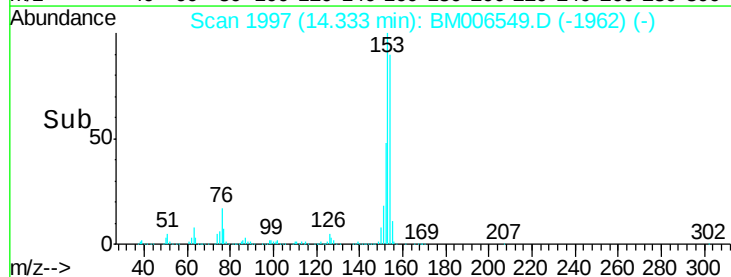
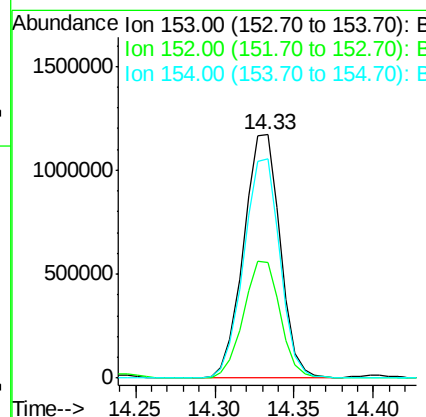
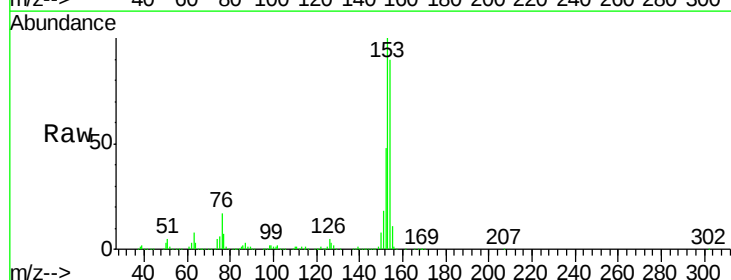
Manual Integrations

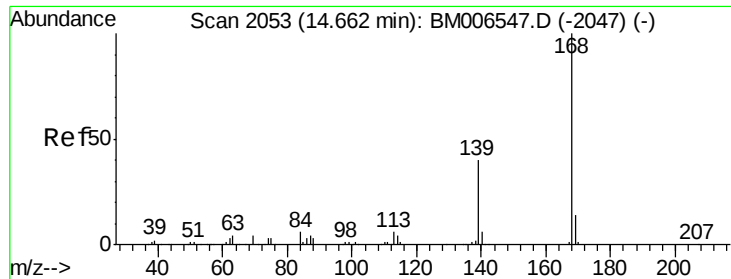
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#49
Acenaphthene
Concen: 60.51 ng/ul
RT: 14.33 min Scan# 1997
Delta R.T. 0.01 min
Lab File: BM006549.D
Acq: 20 Jul 2016 10:06

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.6	37.7	56.5
154	90.0	70.0	105.0





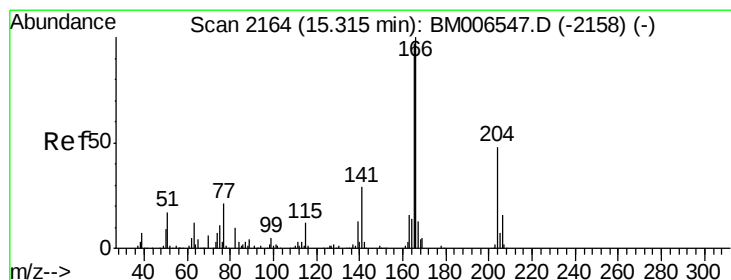
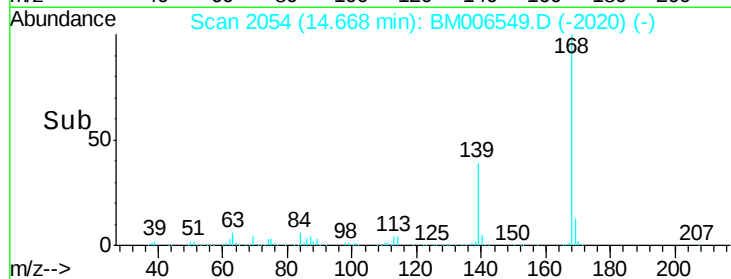
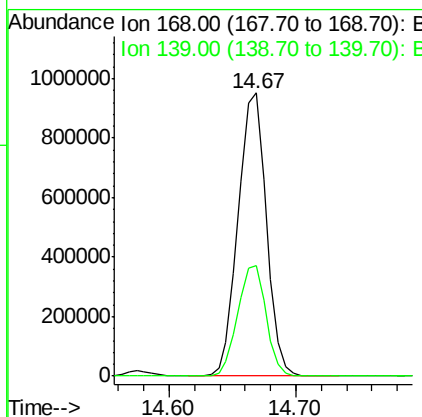
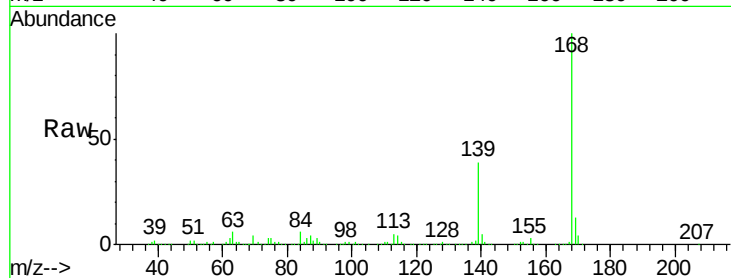
#53
Dibenzo(f,h)quinoxaline
Concen: 32.53 ng/ul
RT: 14.67 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BM006549.D
Acq: 20 Jul 2016 10:06

Instrument :
BNA_M
ClientSampled :
BDJ23

Tgt Ion:168 Resp: 1467120
Ion Ratio Lower Upper
168 100
139 38.9 30.6 46.0

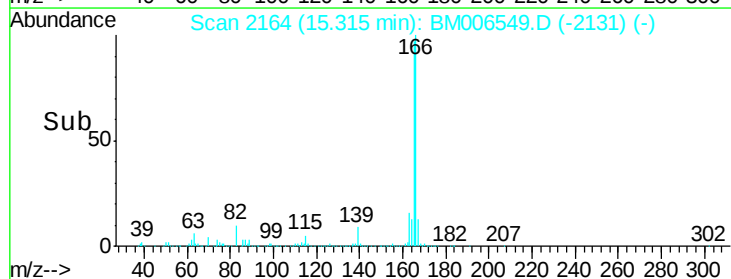
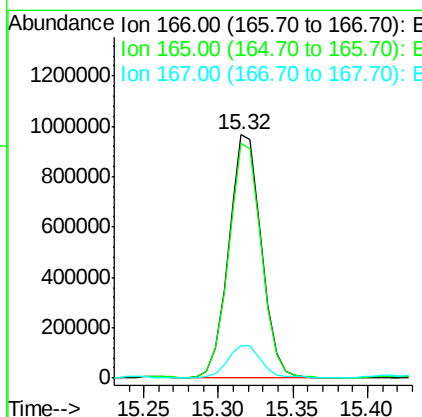
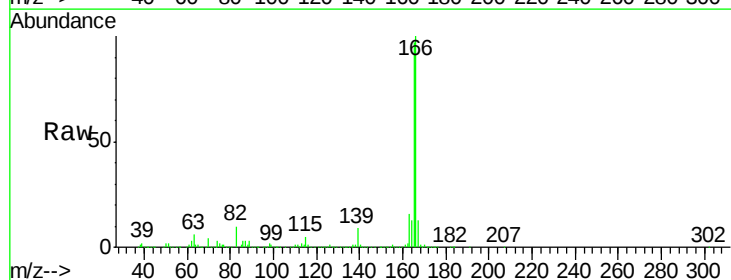
Manual Integrations

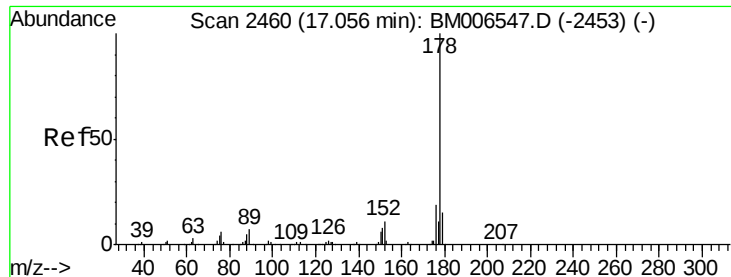
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#58
Fluorene
Concen: 40.72 ng/ul
RT: 15.32 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BM006549.D
Acq: 20 Jul 2016 10:06

Tgt Ion:166 Resp: 1468802
Ion Ratio Lower Upper
166 100
165 96.6 77.5 116.3
167 13.4 10.8 16.2





#69

Phenanthrene

Concen: 100.68 ng/ul

RT: 17.06 min Scan# 2461

Delta R.T. 0.01 min

Lab File: BM006549.D

Acq: 20 Jul 2016 10:06

Instrument :

BNA_M

ClientSampleId :

BDJ23

Tgt Ion:178 Resp: 5532177

Ion Ratio Lower Upper

178 100

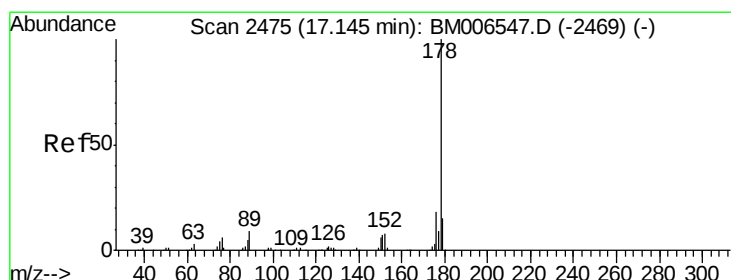
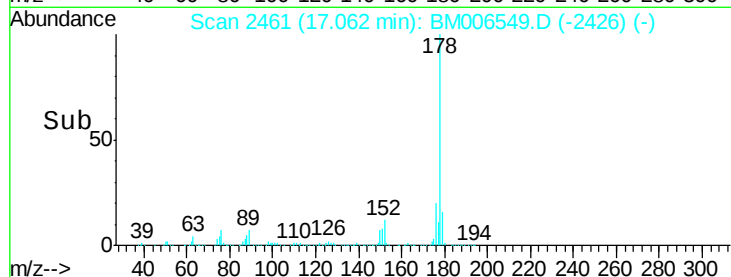
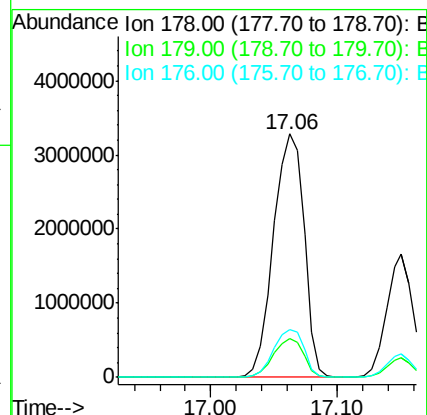
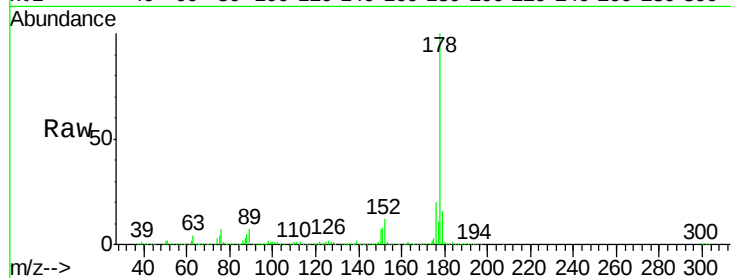
179 15.9 11.9 17.9

176 19.6 15.2 22.8

Manual Integrations

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#71

Anthracene

Concen: 41.53 ng/ul

RT: 17.15 min Scan# 2476

Delta R.T. 0.00 min

Lab File: BM006549.D

Acq: 20 Jul 2016 10:06

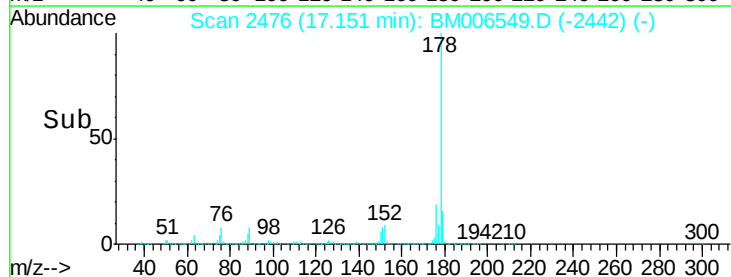
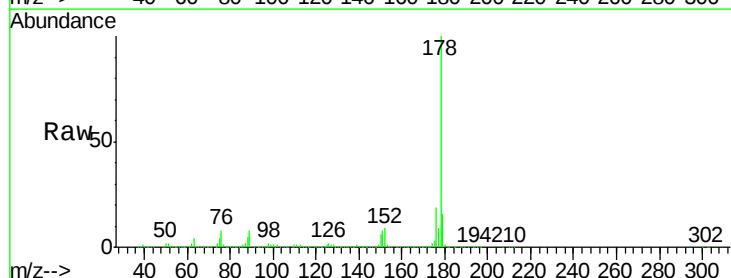
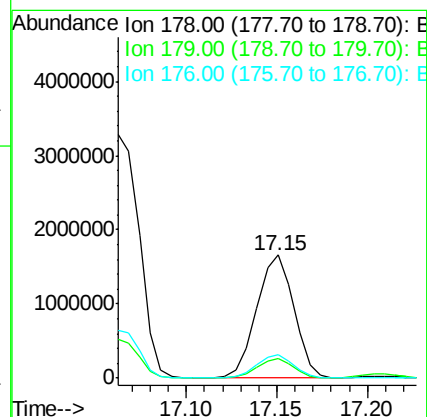
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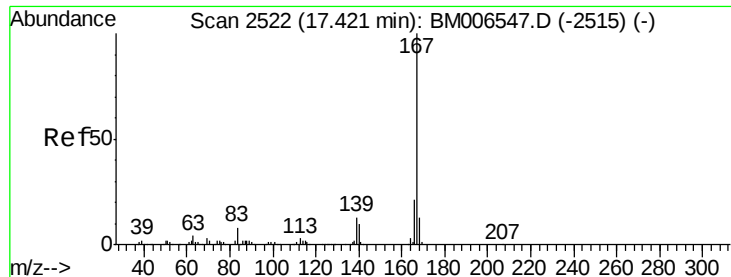
Ion Ratio Lower Upper

178 100

179 15.6 12.0 18.0

176 18.6 15.0 22.6





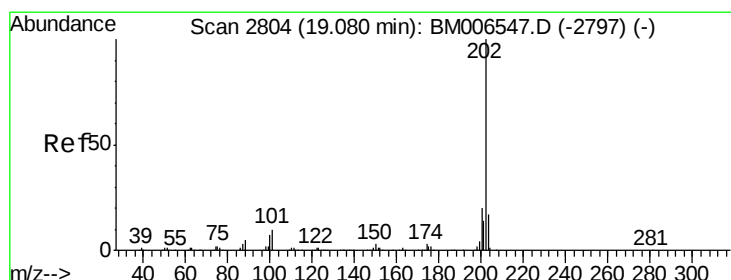
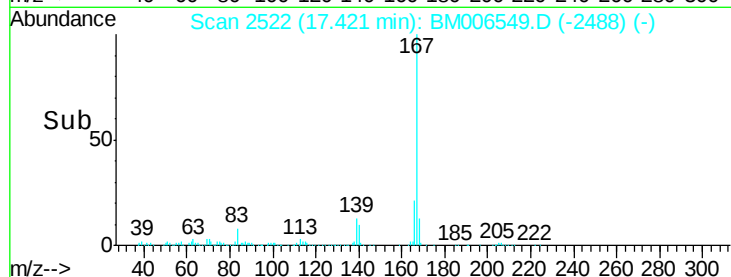
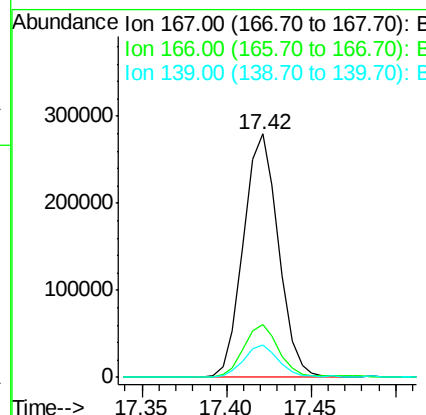
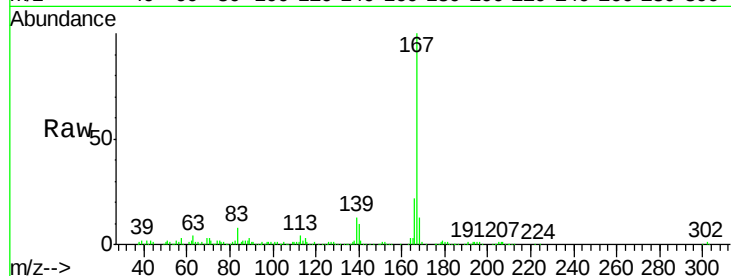
#72
 Carbazole
 Concen: 8.45 ng/ul
 RT: 17.42 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: BM006549.D
 Acq: 20 Jul 2016 10:06

Instrument :
 BNA_M
 ClientSampleId :
 BDJ23

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.6
139	13.4	10.2	15.4

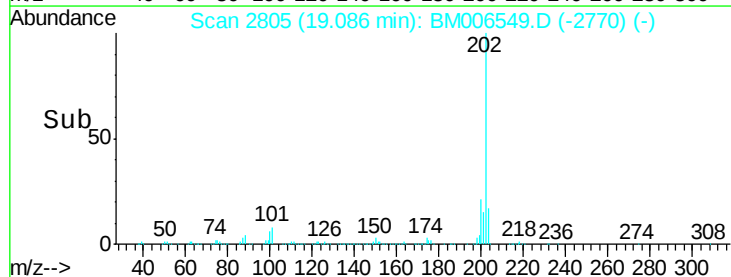
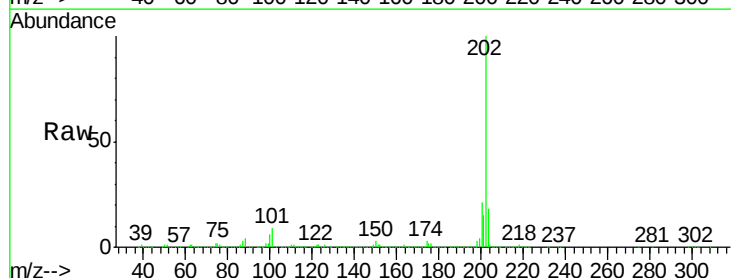
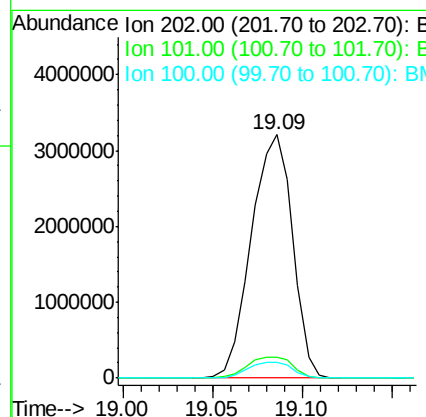
Manual Integrations

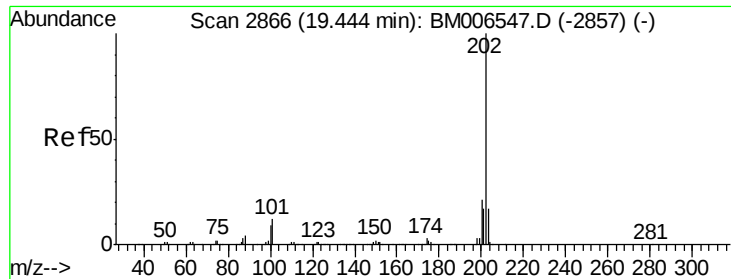
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#74
 Fluoranthene
 Concen: 80.24 ng/ul m
 RT: 19.09 min Scan# 2805
 Delta R.T. 0.01 min
 Lab File: BM006549.D
 Acq: 20 Jul 2016 10:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.6	8.6	12.8
100	6.3	6.4	9.6#





#77

Pyrene

Concen: 65.74 ng/ul

RT: 19.45 min Scan# 2867

Delta R.T. 0.01 min

Lab File: BM006549.D

Acq: 20 Jul 2016 10:06

Instrument :

BNA_M

ClientSampleId :

BDJ23

Tgt Ion:202 Resp: 4216813

Ion Ratio Lower Upper

202 100

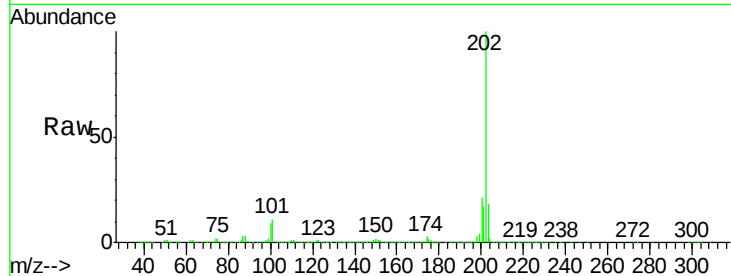
101 10.9 10.0 15.0

100 8.6 7.9 11.9

Manual Integrations

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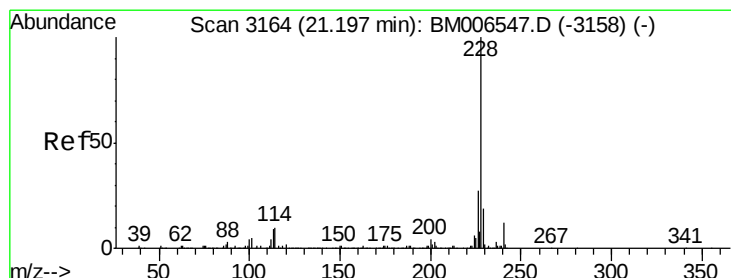
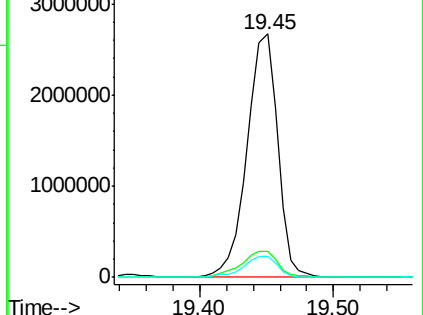
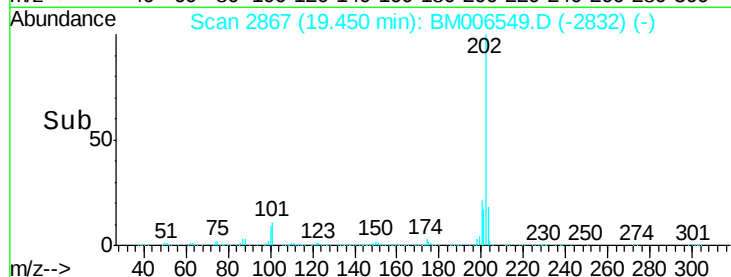
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 33.46 ng/ul

RT: 21.20 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BM006549.D

Acq: 20 Jul 2016 10:06

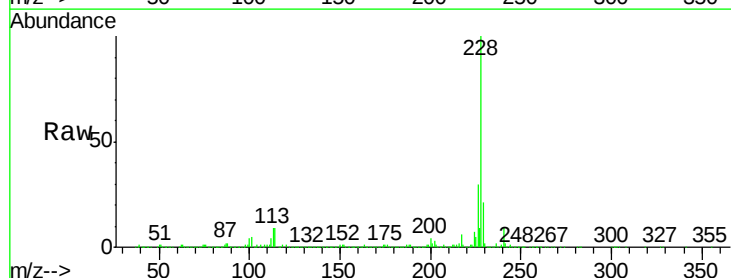
Tgt Ion:228 Resp: 2193892

Ion Ratio Lower Upper

228 100

229 20.5 15.6 23.4

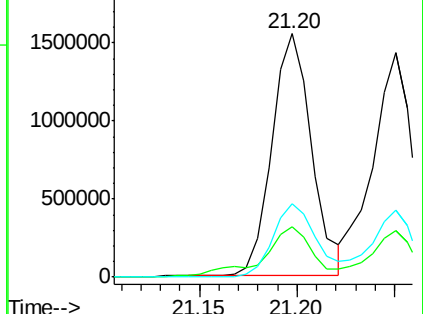
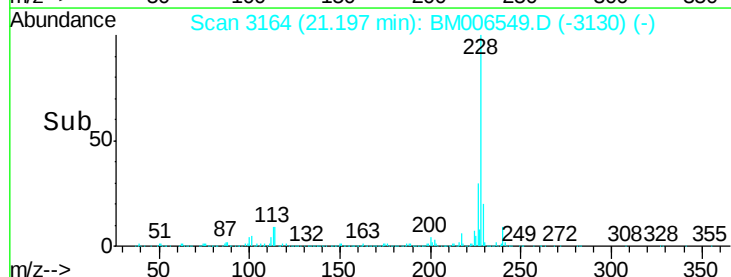
226 30.0 21.4 32.2

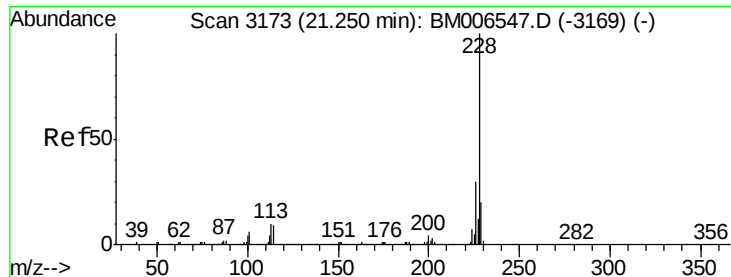


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





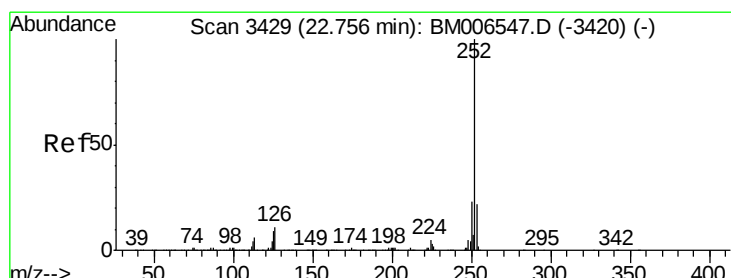
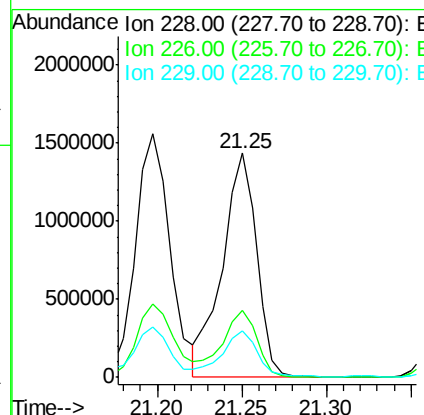
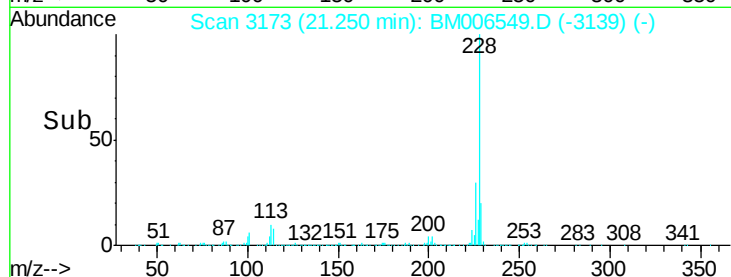
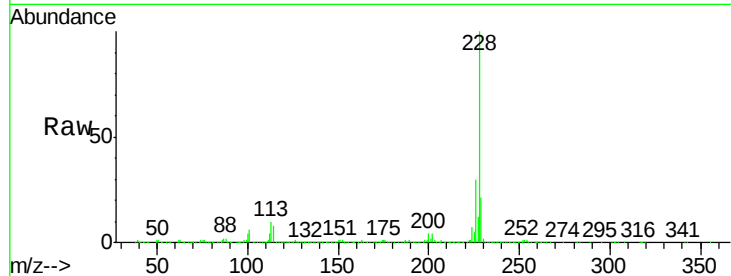
#82
Chrysene
Concen: 32.59 ng/ul
RT: 21.25 min Scan# 3173
Delta R.T. 0.00 min
Lab File: BM006549.D
Acq: 20 Jul 2016 10:06

Instrument :
BNA_M
ClientSampleId :
BDJ23

Tgt Ion: 228 Resp: 2011732
Ion Ratio Lower Upper
228 100
226 30.1 23.3 34.9
229 20.6 15.8 23.8

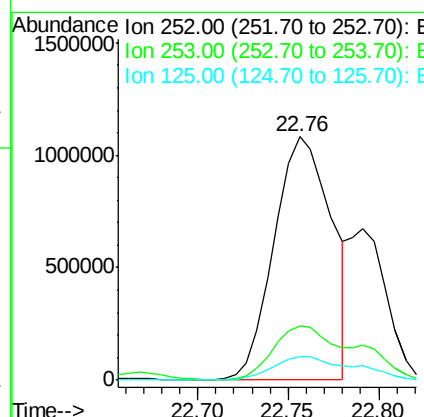
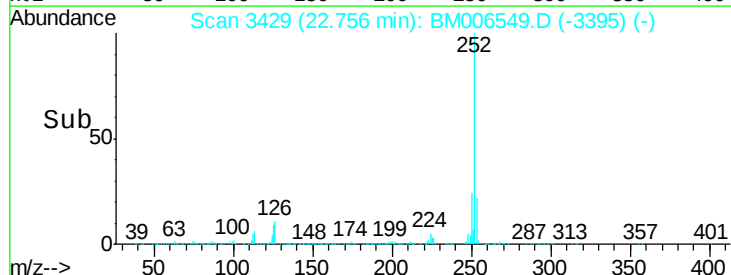
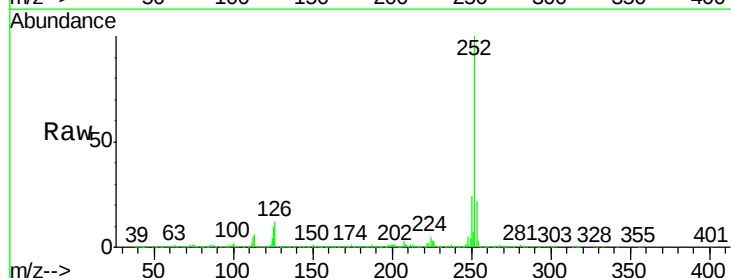
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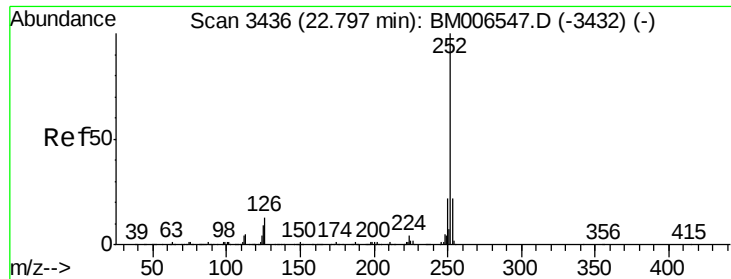
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#85
Benzo(b)fluoranthene
Concen: 31.36 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. 0.00 min
Lab File: BM006549.D
Acq: 20 Jul 2016 10:06

Tgt Ion: 252 Resp: 2392820
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 9.6 6.7 10.1





#86

Benzo(k)fluoranthene

Concen: 13.37 ng/ul m

RT: 22.79 min Scan# 3435

Delta R.T. -0.01 min

Lab File: BM006549.D

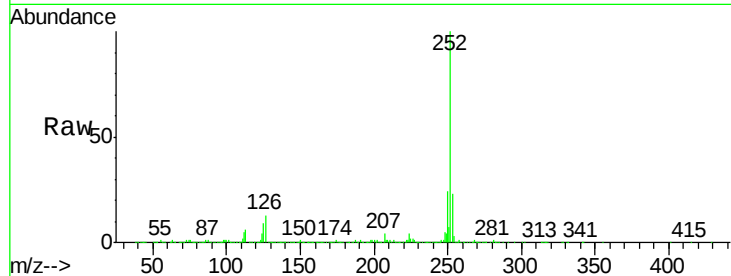
Acq: 20 Jul 2016 10:06

Instrument :

BNA_M

ClientSampled :

BDJ23

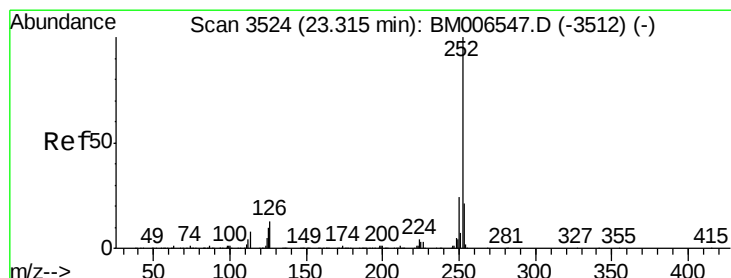
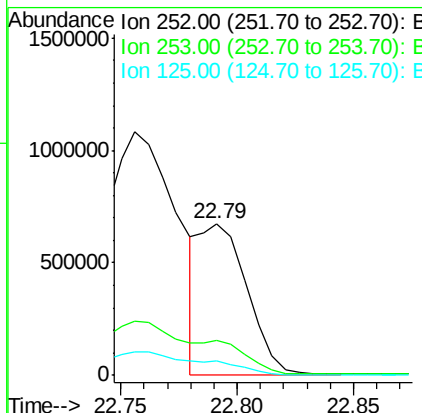
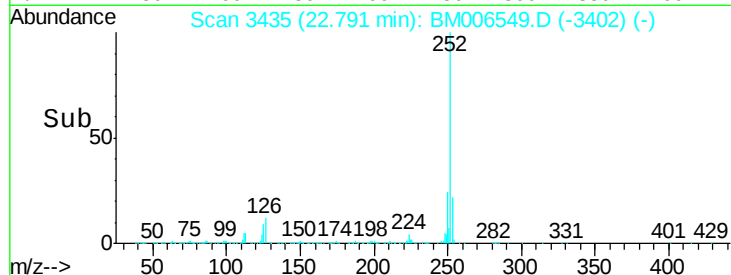


Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	9.3	7.0	10.4

Manual Integrations

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#88

Benzo(a)pyrene

Concen: 25.18 ng/ul

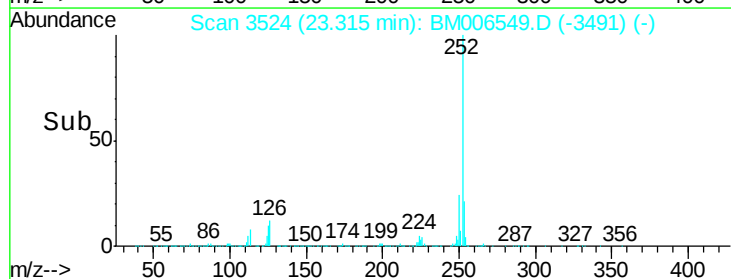
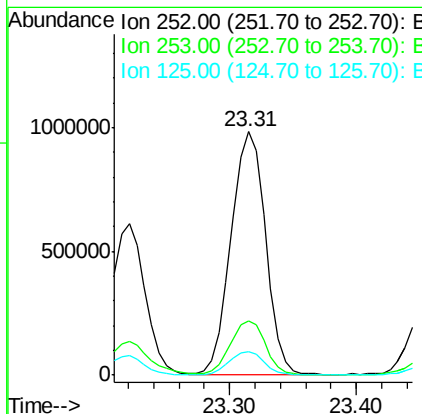
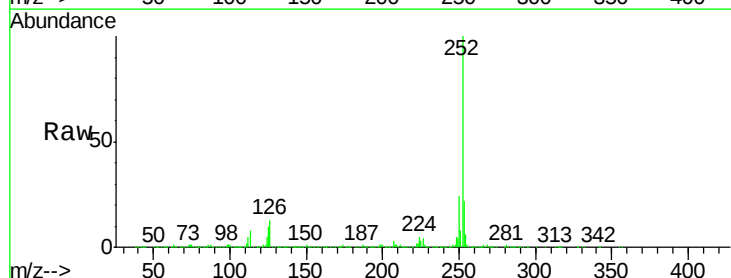
RT: 23.31 min Scan# 3524

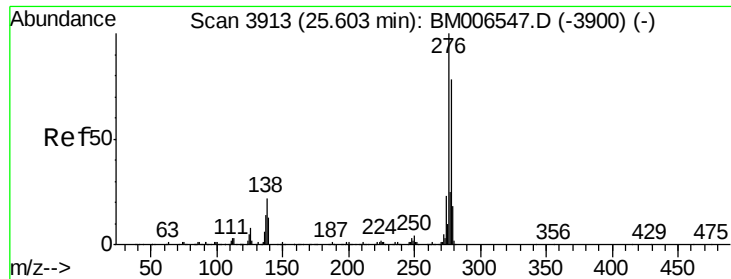
Delta R.T. -0.01 min

Lab File: BM006549.D

Acq: 20 Jul 2016 10:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	9.8	7.6	11.4





#89

Indeno(1,2,3-cd)pyrene

Concen: 13.85 ng/ul

RT: 25.60 min Scan# 3913

Delta R.T. -0.01 min

Lab File: BM006549.D

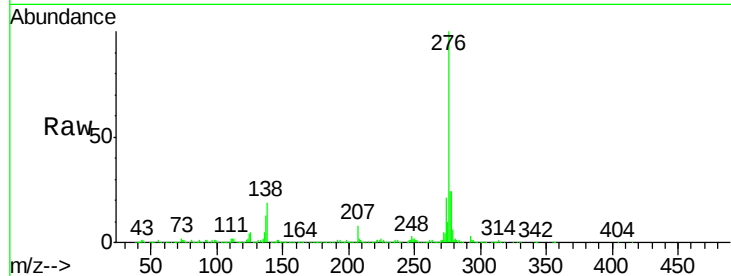
Acq: 20 Jul 2016 10:06

Instrument :

BNA_M

ClientSampled :

BDJ23



Tgt Ion:276 Resp: 1177513

Ion Ratio Lower Upper

276 100

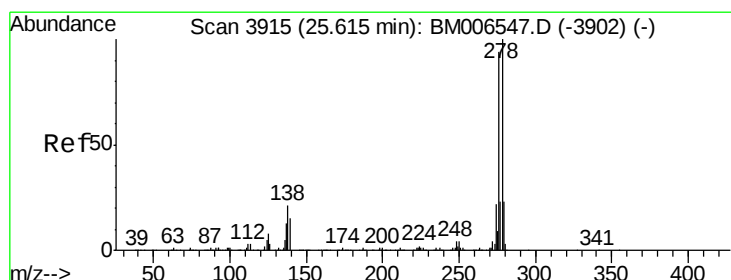
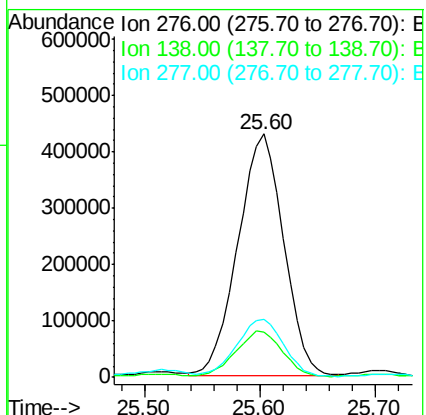
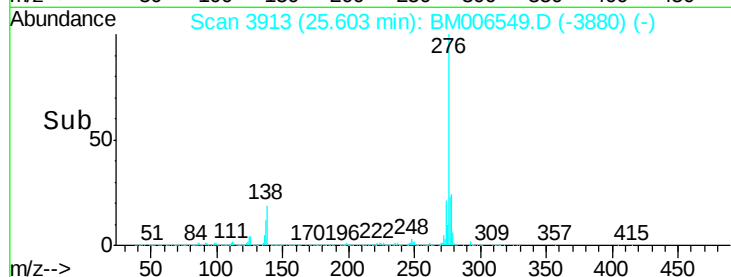
138 18.8 17.8 26.6

277 23.7 20.1 30.1

Manual Integrations

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#90

Dibenzo(a,h)anthracene

Concen: 4.50 ng/ul

RT: 25.60 min Scan# 3913

Delta R.T. -0.02 min

Lab File: BM006549.D

Acq: 20 Jul 2016 10:06

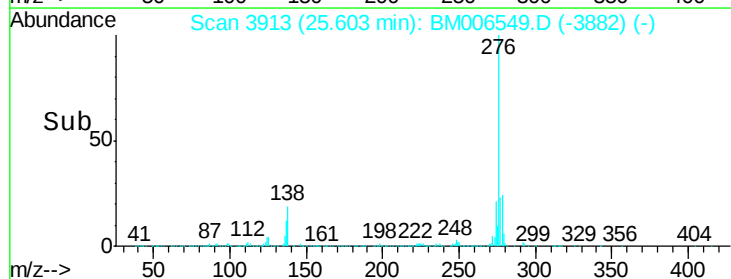
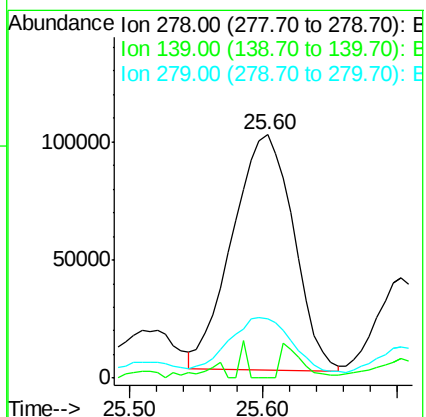
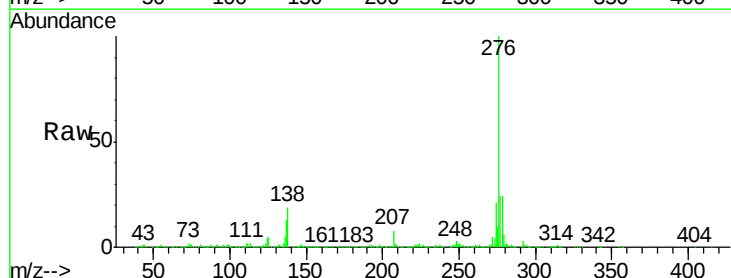
Tgt Ion:278 Resp: 317623

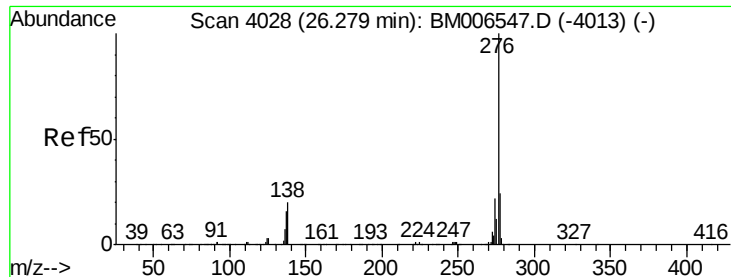
Ion Ratio Lower Upper

278 100

139 0.0 11.7 17.5#

279 24.6 19.2 28.8





#91
 Benzo(g,h,i)perylene
 Concen: 12.63 ng/ul
 RT: 26.27 min Scan# 4027
 Delta R.T. -0.01 min
 Lab File: BM006549.D
 Acq: 20 Jul 2016 10:06

Instrument :
 BNA_M
 ClientSampleId :
 BDJ23

Tgt Ion:	276	Resp:	949399
Ion Ratio	Lower	Upper	
276	100		
138	19.4	15.0	22.4
277	24.4	19.0	28.4

Manual Integrations

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