

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
 Data File : BM006506.D
 Acq On : 17 Jul 2016 08:45
 Operator : UM/SJ
 Sample : H3959-03 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BDJ22

Manual Integrations

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Quant Time: Jul 18 08:11:12 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 18 07:39:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	126122	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	511883	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.27	164	290470	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	648247	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	687349	20.00	ng/ul	0.00
83) Perylene-d12	23.41	264	823600	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.80	99	15986	1.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	11157	1.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	12803	1.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.33	113	12541	1.53	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	6429	1.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	5875	1.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	11669	1.41	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	14465	1.67	ng/ul	0.01
43) Dimethylphthalate-d6	13.68	166	42134	1.77	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	51824	1.76	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	3403	0.82	ng/ul	0.01
57) Fluorene-d10	15.26	176	42578	2.01	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.42	200	1306	0.35	ng/ul	0.02
70) Anthracene-d10	17.12	188	65427m	2.14	ng/ul	0.00
76) Pyrene-d10	19.42	212	70662	2.27	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.27	264	79403	2.11	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.47	128	18070536	695.51	ng/ul	97
34) 2-Methylnaphthalene	12.06	142	1379197	70.44	ng/ul	98
40) 1,1'-Biphenyl	13.09	154	440541	18.39	ng/ul	99
44) Dimethylphthalate	13.73	163	29691	1.23	ng/ul	97
47) Acenaphthylene	13.99	152	189157	6.18	ng/ul#	96
49) Acenaphthene	14.33	153	1996075	101.35	ng/ul	98
53) Dibenzofuran	14.67	168	1613540	56.28	ng/ul	97
58) Fluorene	15.32	166	1627943	70.98	ng/ul	100
69) Phenanthrene	17.07	178	6070306	170.30	ng/ul	98
71) Anthracene	17.15	178	2665663	72.71	ng/ul	99
72) Carbazole	17.42	167	429035	13.84	ng/ul	99
74) Fluoranthene	19.09	202	5535772m	133.64	ng/ul	
77) Pyrene	19.45	202	4647164	113.23	ng/ul#	94
80) Benzo(a)anthracene	21.20	228	2408037	57.40	ng/ul	96
82) Chrysene	21.26	228	2351907	59.54	ng/ul	97
85) Benzo(b)fluoranthene	22.76	252	2718662	55.23	ng/ul	98
86) Benzo(k)fluoranthene	22.80	252	1027835m	22.20	ng/ul	
88) Benzo(a)pyrene	23.32	252	2117603	44.91	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.61	276	1360827	24.81	ng/ul	96
90) Dibenzo(a,h)anthracene	25.61	278	356177	7.81	ng/ul#	85
91) Benzo(g,h,i)perylene	26.29	276	1164064	24.01	ng/ul	100

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Manual Integrations

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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

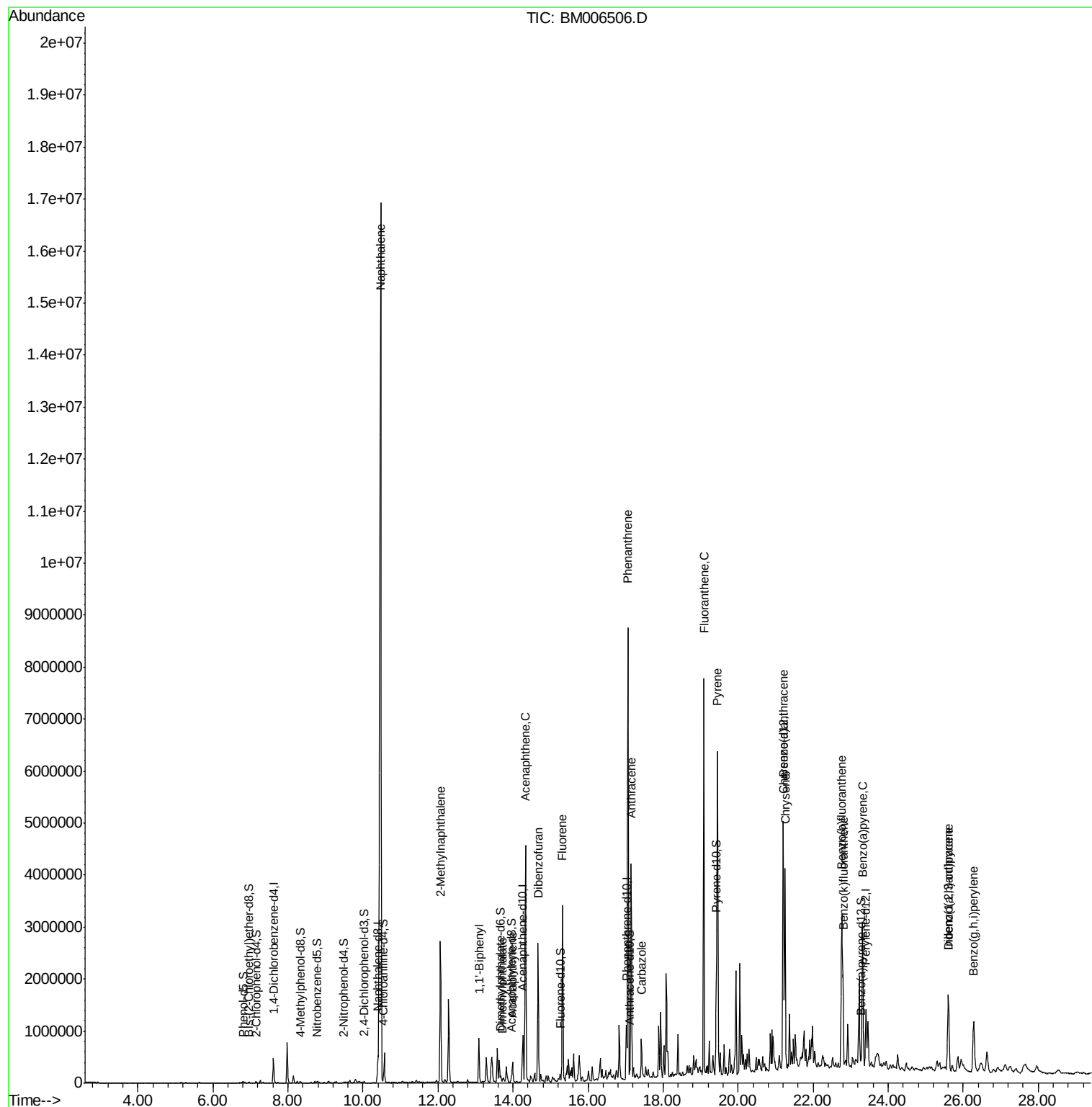
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006506.D
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Sample : H3959-03 10X
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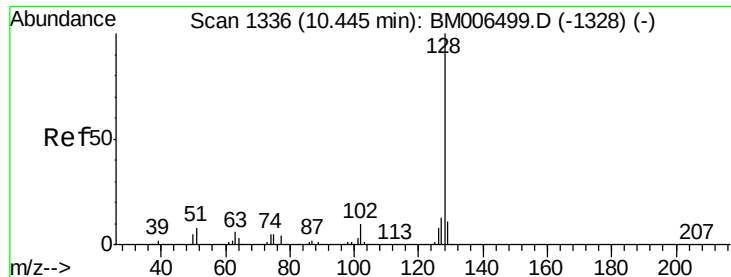
Instrument :
BNA_M
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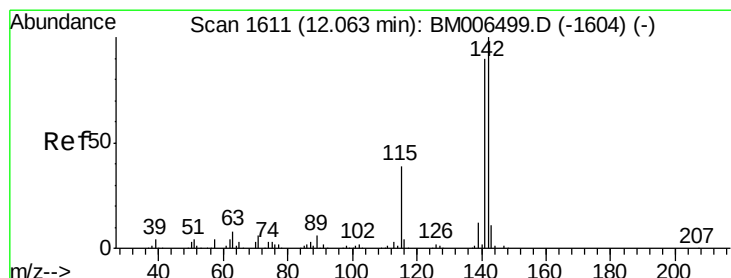
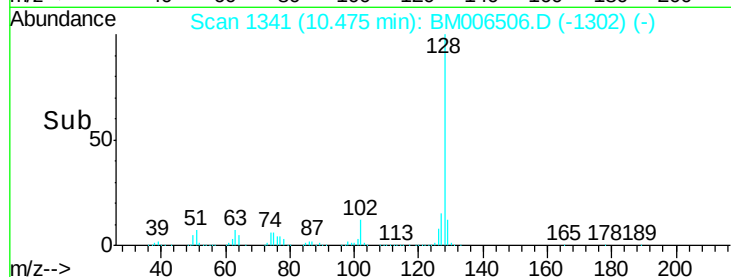
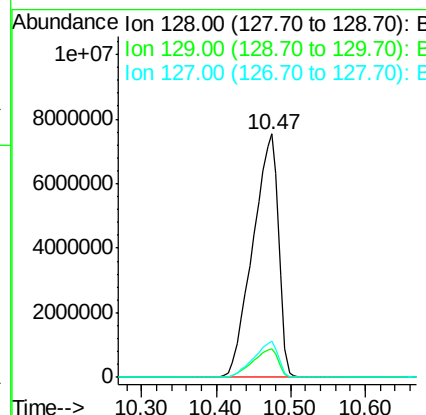
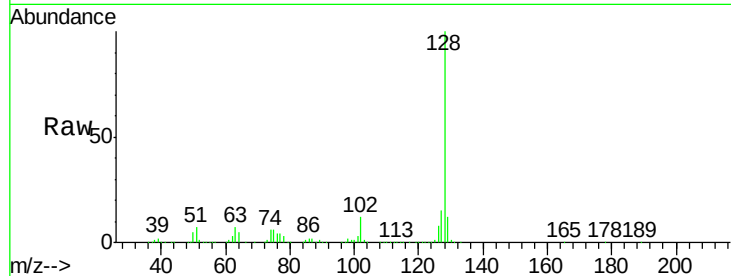
#28
Naphthalene
Concen: 695.51 ng/ul
RT: 10.47 min Scan# 1341
Delta R.T. 0.03 min
Lab File: BM006506.D
Acq: 17 Jul 2016 08:45

Instrument :
BNA_M
ClientSampleId :
BDJ22

Tgt Ion:128 Resp:18070536
Ion Ratio Lower Upper
128 100
129 11.9 8.6 13.0
127 14.8 10.9 16.3

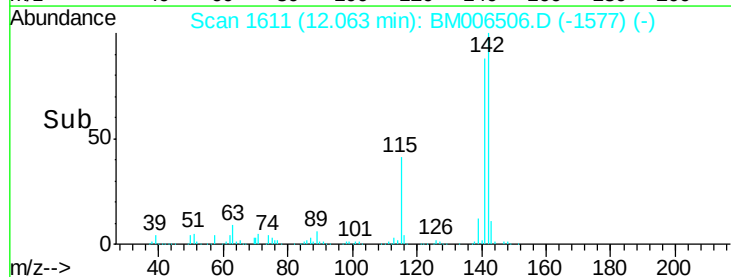
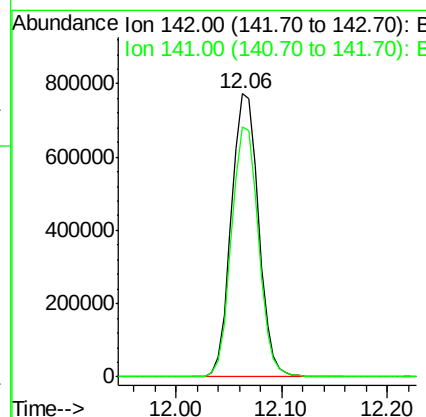
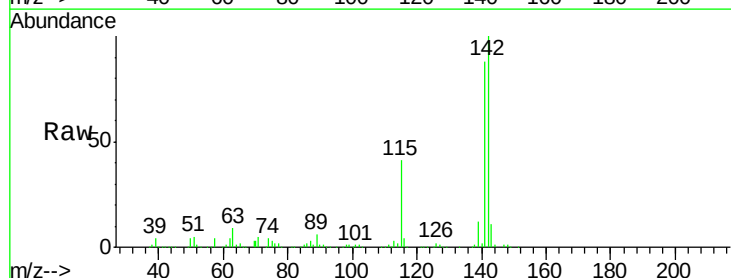
Manual Integrations

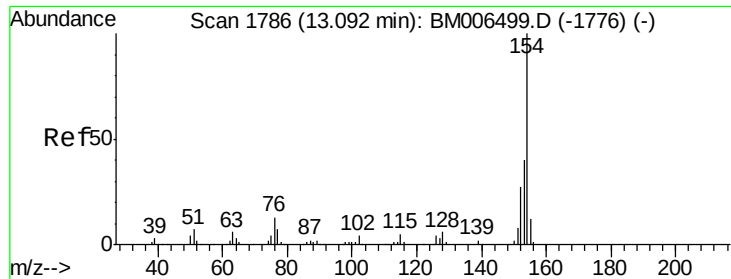
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#34
2-Methylnaphthalene
Concen: 70.44 ng/ul
RT: 12.06 min Scan# 1611
Delta R.T. -0.00 min
Lab File: BM006506.D
Acq: 17 Jul 2016 08:45

Tgt Ion:142 Resp: 1379197
Ion Ratio Lower Upper
142 100
141 88.2 69.0 103.4





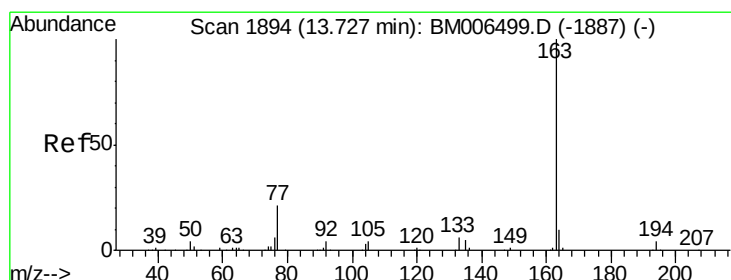
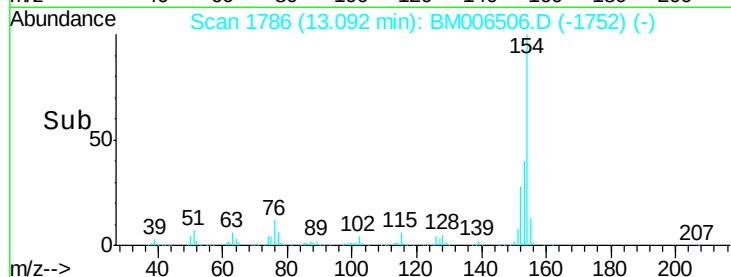
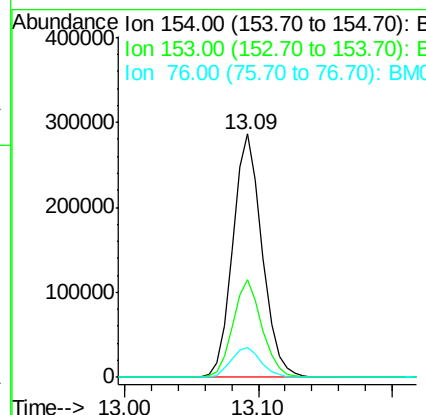
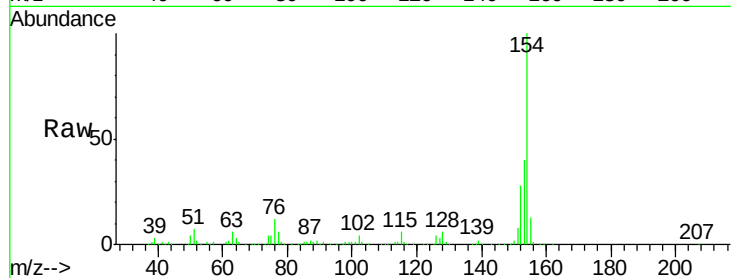
#40
 1,1'-Biphenyl
 Concen: 18.39 ng/ul
 RT: 13.09 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: BM006506.D
 Acq: 17 Jul 2016 08:45

Instrument :
 BNA_M
 ClientSampleId :
 BDJ22

Tgt Ion:	154	Resp:	440541
Ion Ratio	Lower	Upper	
154	100		
153	40.0	31.4	47.2
76	12.4	10.4	15.6

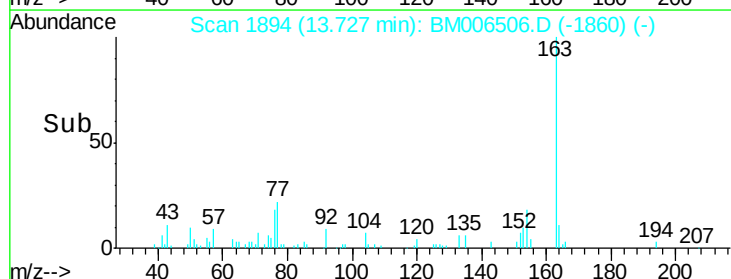
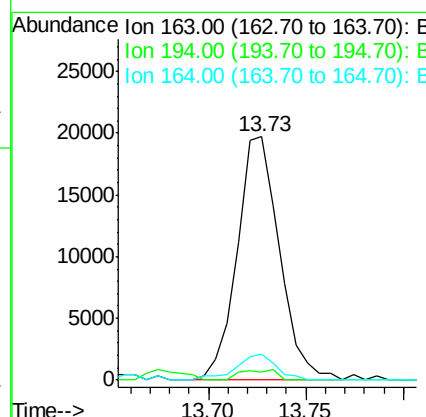
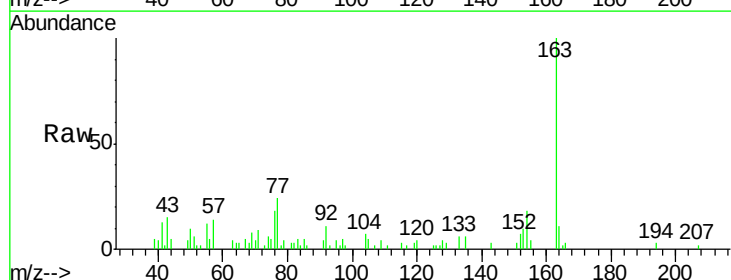
Manual Integrations

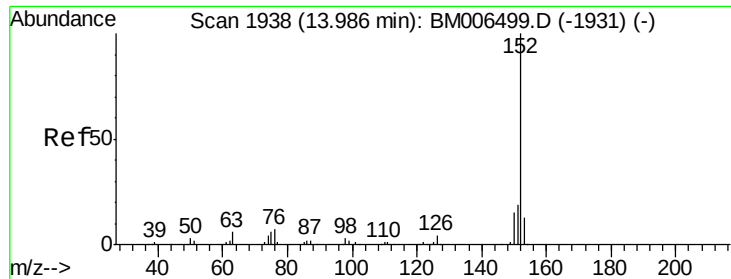
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#44
 Dimethylphthalate
 Concen: 1.23 ng/ul
 RT: 13.73 min Scan# 1894
 Delta R.T. -0.00 min
 Lab File: BM006506.D
 Acq: 17 Jul 2016 08:45

Tgt Ion:	163	Resp:	29691
Ion Ratio	Lower	Upper	
163	100		
194	3.4	3.4	5.0
164	10.8	7.8	11.8





#47

Acenaphthylene

Concen: 6.18 ng/ul

RT: 13.99 min Scan# 1938

Delta R.T. -0.00 min

Lab File: BM006506.D

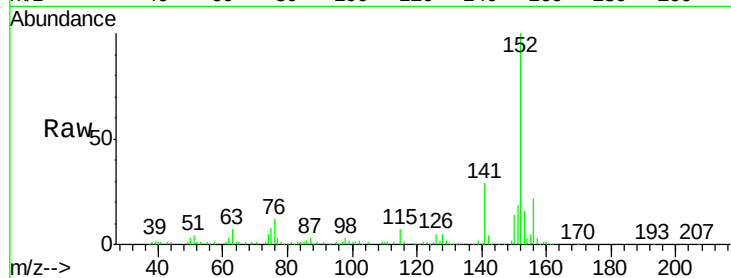
Acq: 17 Jul 2016 08:45

Instrument :

BNA_M

ClientSampleId :

BDJ22

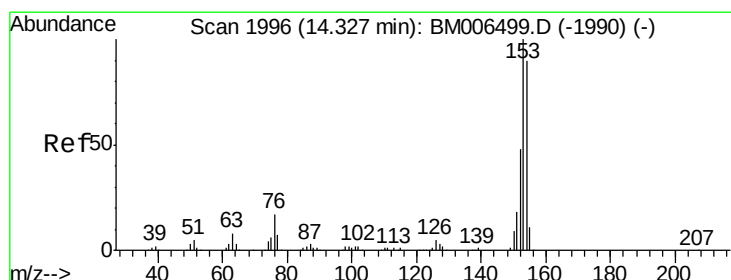
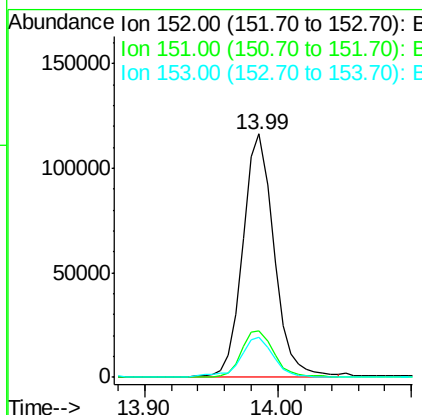
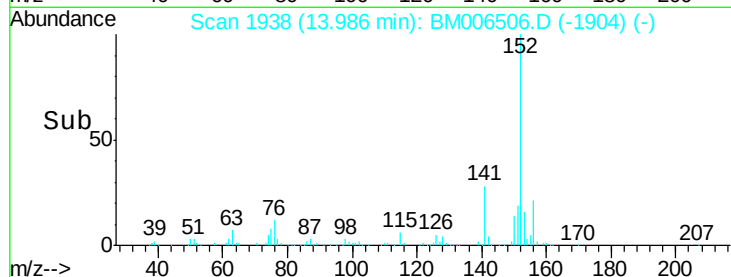


Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.6	23.4
153	16.5	10.3	15.5#

Manual Integrations

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#49

Acenaphthene

Concen: 101.35 ng/ul

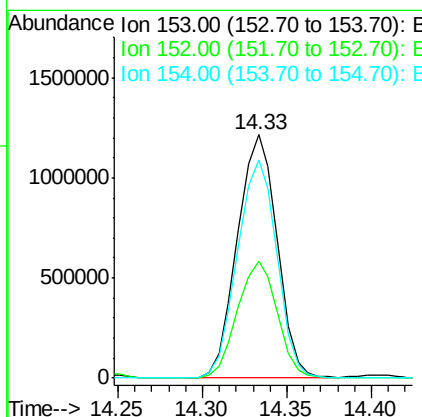
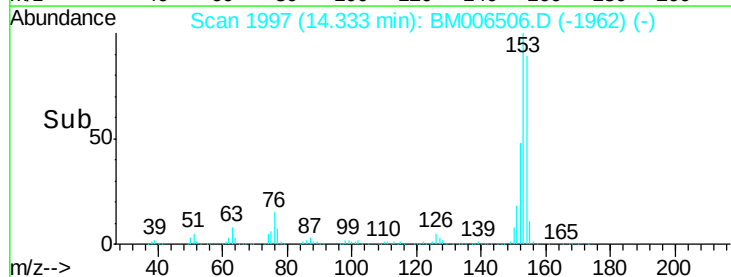
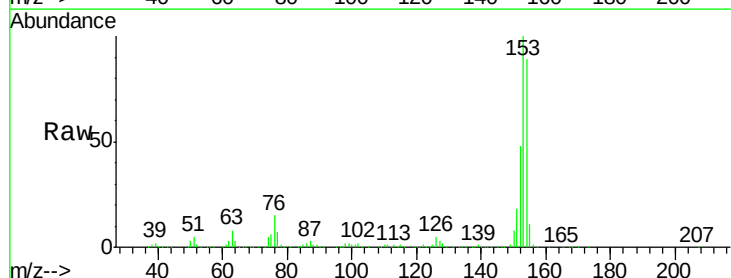
RT: 14.33 min Scan# 1997

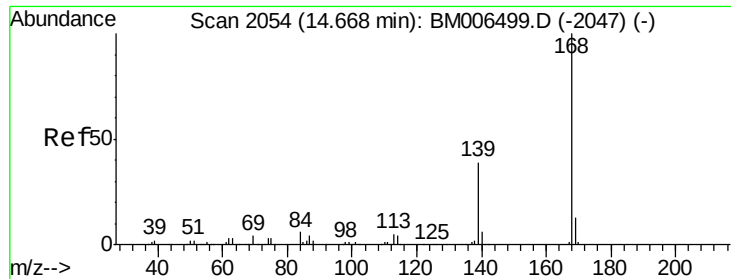
Delta R.T. 0.01 min

Lab File: BM006506.D

Acq: 17 Jul 2016 08:45

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.0	37.7	56.5
154	89.3	70.0	105.0





#53

Dibenzo(f,h)quinoxaline

Concen: 56.28 ng/ul

RT: 14.67 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BM006506.D

Acq: 17 Jul 2016 08:45

Instrument :

BNA_M

ClientSampleId :

BDJ22

Tgt Ion:168 Resp: 1613540

Ion Ratio Lower Upper

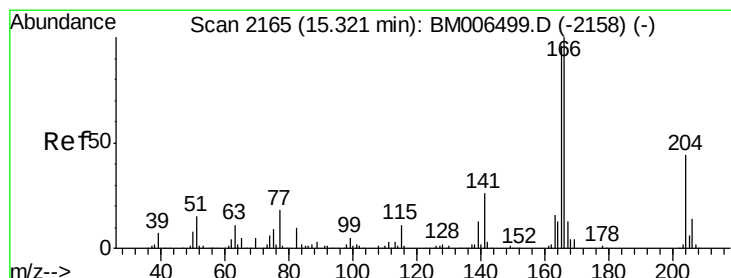
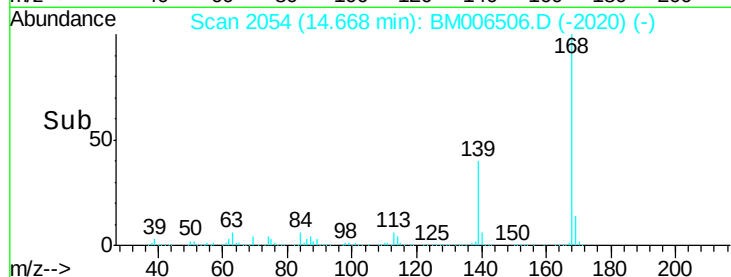
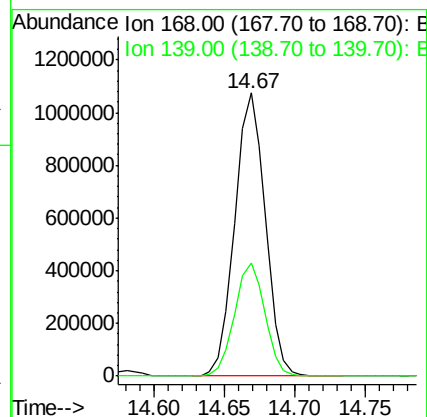
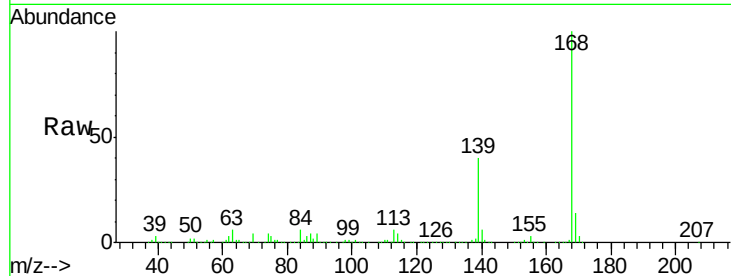
168 100

139 40.1 30.6 46.0

Manual Integrations

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#58

Fluorene

Concen: 70.98 ng/ul

RT: 15.32 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BM006506.D

Acq: 17 Jul 2016 08:45

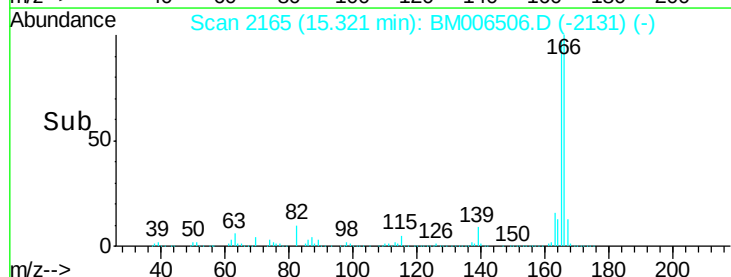
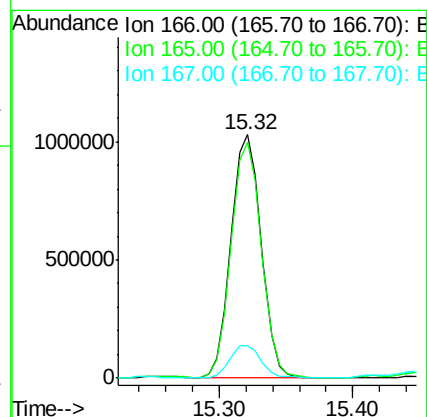
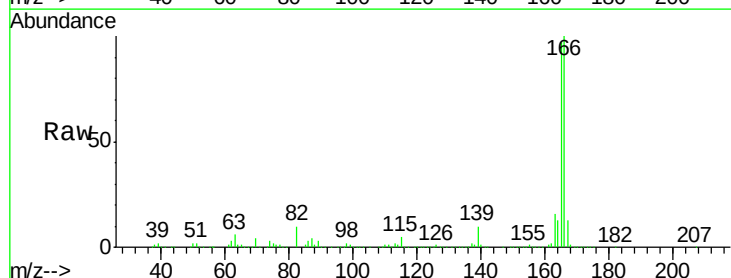
Tgt Ion:166 Resp: 1627943

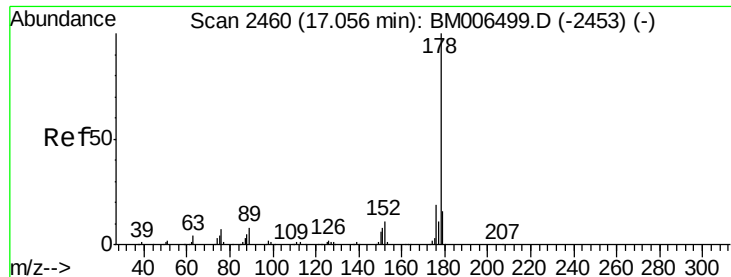
Ion Ratio Lower Upper

166 100

165 96.9 77.5 116.3

167 13.4 10.8 16.2





#69

Phenanthrene

Concen: 170.30 ng/ul

RT: 17.07 min Scan# 2462

Delta R.T. 0.01 min

Lab File: BM006506.D

Acq: 17 Jul 2016 08:45

Instrument :

BNA_M

ClientSampleId :

BDJ22

Tgt Ion:178 Resp: 6070306

Ion Ratio Lower Upper

178 100

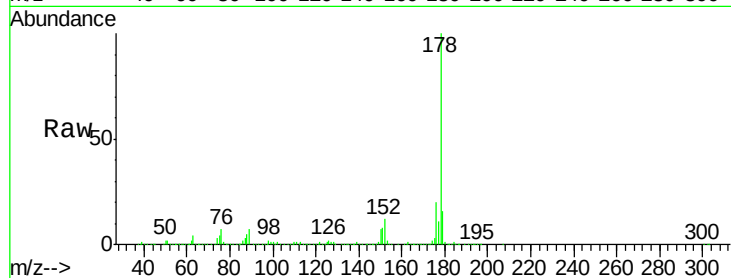
179 15.7 11.9 17.9

176 19.9 15.2 22.8

Manual Integrations

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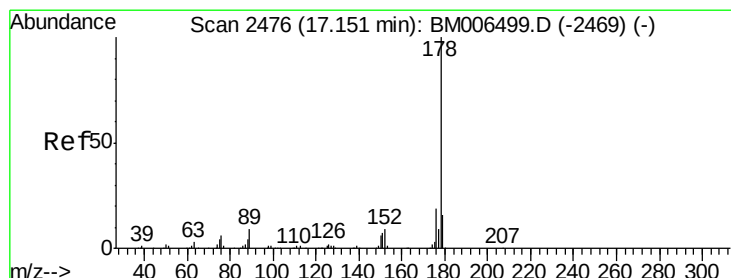
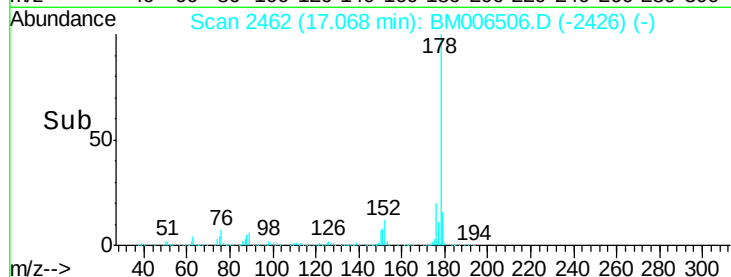
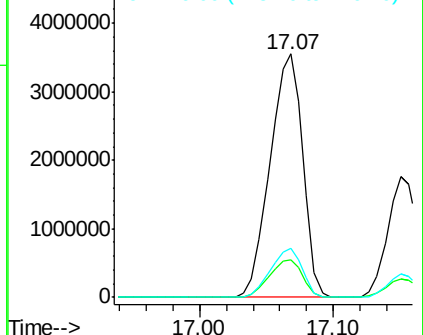
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 72.71 ng/ul

RT: 17.15 min Scan# 2476

Delta R.T. -0.00 min

Lab File: BM006506.D

Acq: 17 Jul 2016 08:45

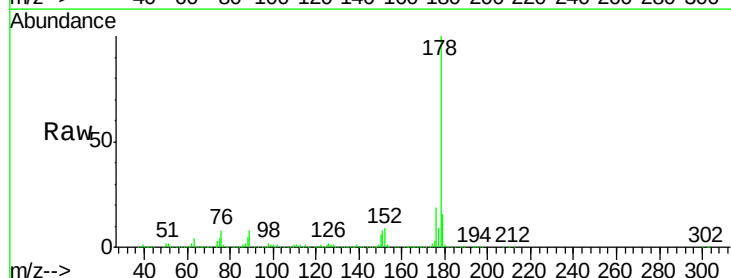
Tgt Ion:178 Resp: 2665663

Ion Ratio Lower Upper

178 100

179 15.7 12.0 18.0

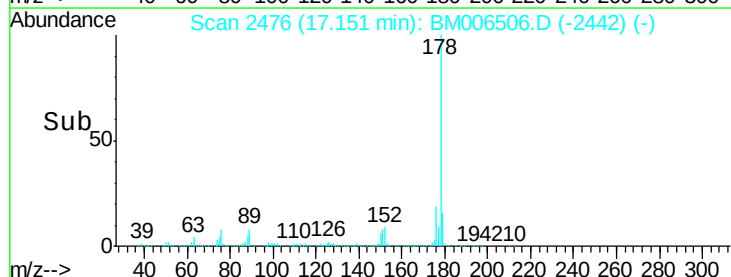
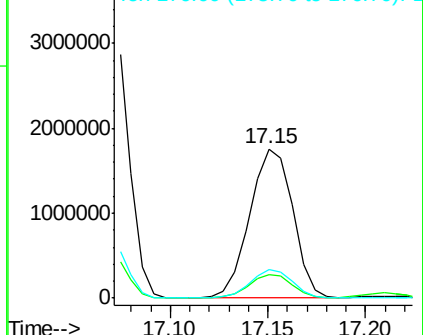
176 19.2 15.0 22.6

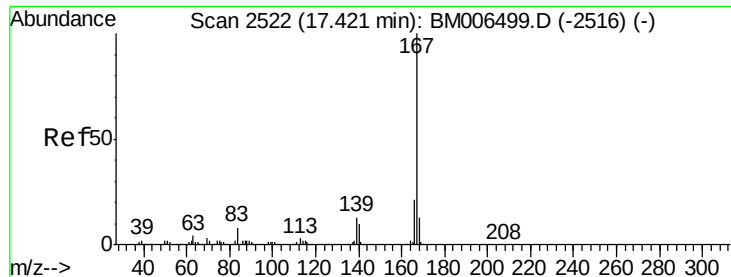


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

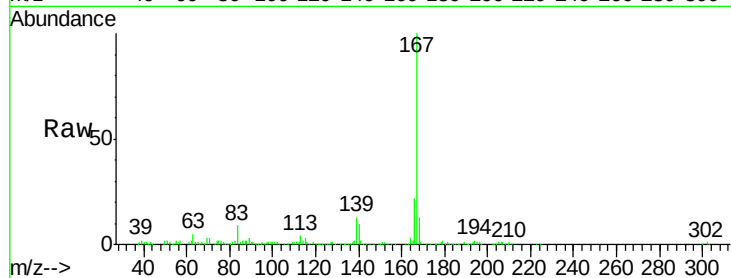
Ion 176.00 (175.70 to 176.70): E





#72
 Carbazole
 Concen: 13.84 ng/ul
 RT: 17.42 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: BM006506.D
 Acq: 17 Jul 2016 08:45

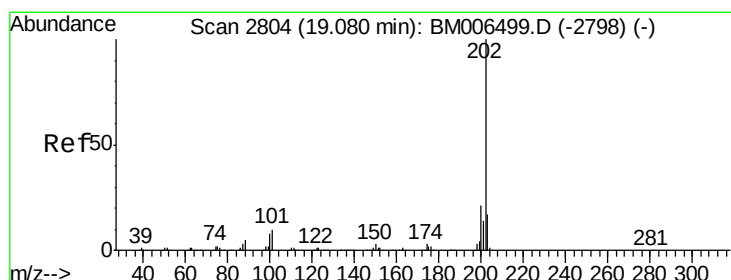
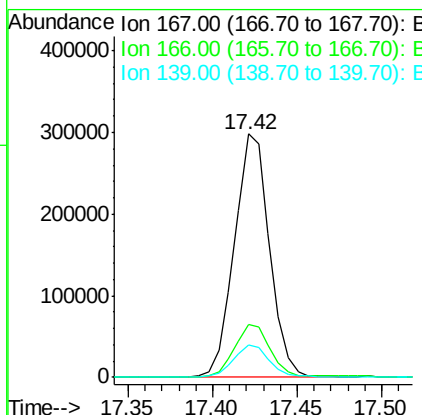
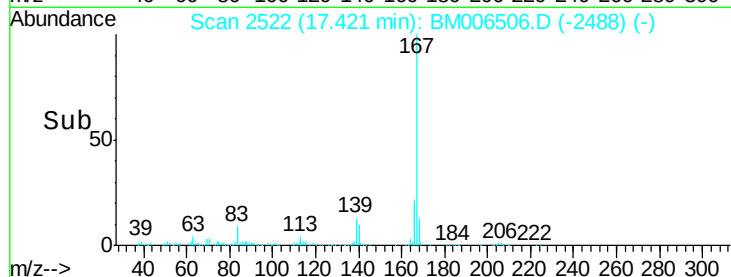
Instrument :
 BNA_M
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 BDJ22



Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.6
139	13.2	10.2	15.4

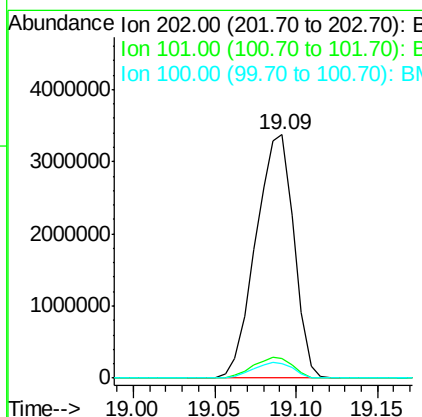
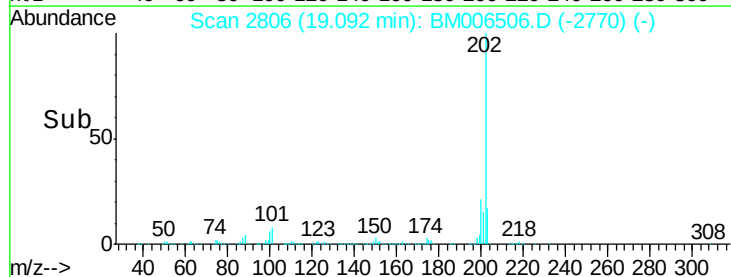
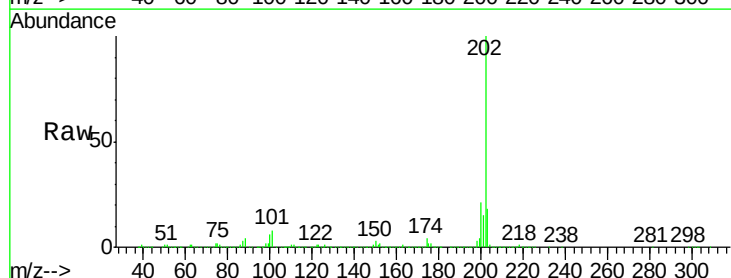
Manual Integrations

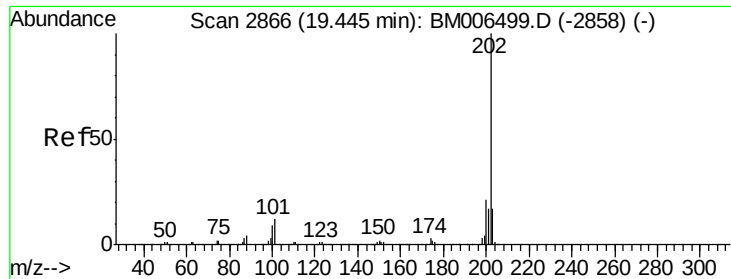
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#74
 Fluoranthene
 Concen: 133.64 ng/ul m
 RT: 19.09 min Scan# 2806
 Delta R.T. 0.01 min
 Lab File: BM006506.D
 Acq: 17 Jul 2016 08:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.2	8.6	12.8#
100	6.0	6.4	9.6#





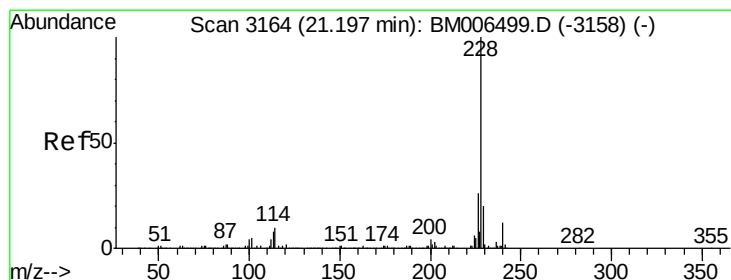
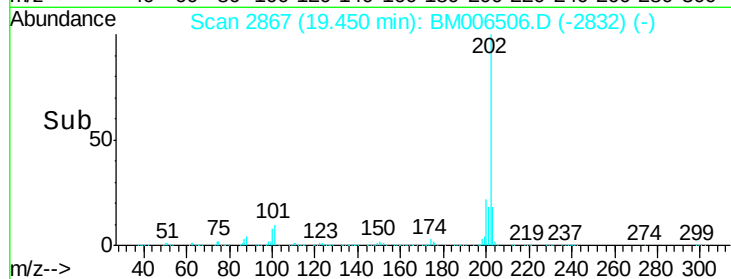
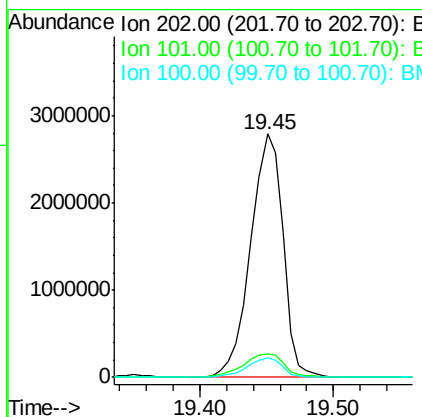
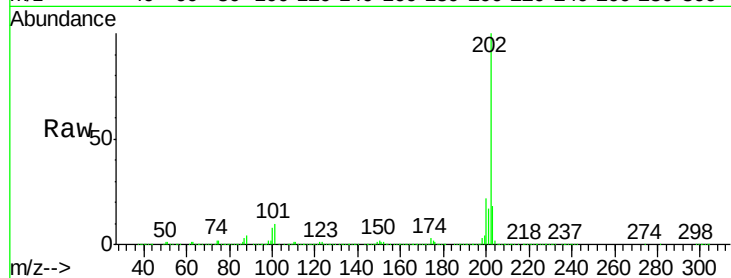
#77
 Pyrene
 Concen: 113.23 ng/ul
 RT: 19.45 min Scan# 2867
 Delta R.T. 0.01 min
 Lab File: BM006506.D
 Acq: 17 Jul 2016 08:45

Instrument :
 BNA_M
 ClientSampleId :
 BDJ22

Tgt Ion:202 Resp: 4647164
 Ion Ratio Lower Upper
 202 100
 101 9.9 10.0 15.0#
 100 8.1 7.9 11.9

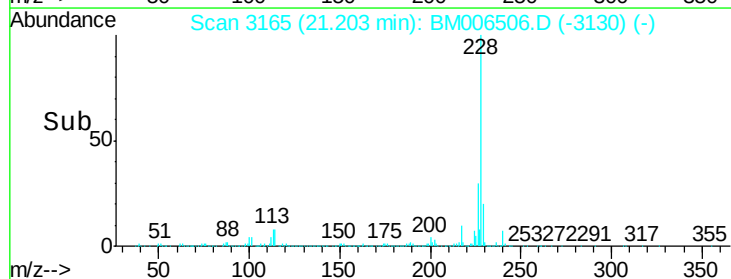
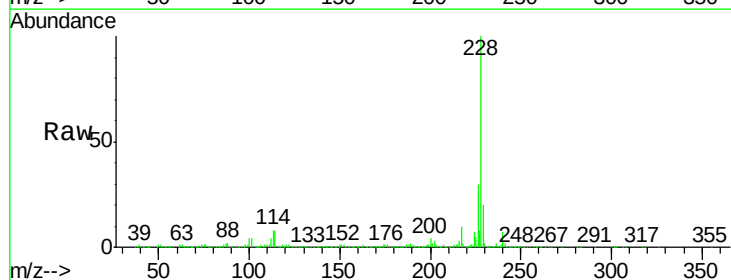
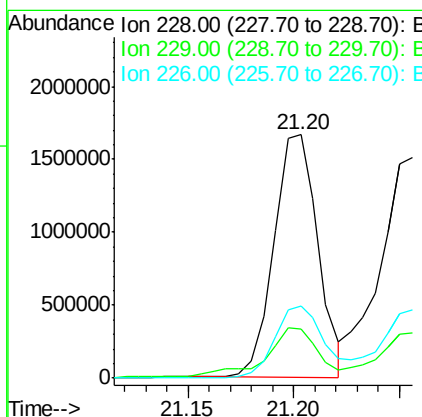
Manual Integrations

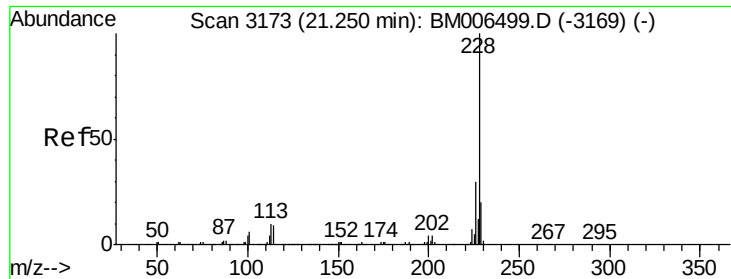
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#80
 Benzo(a)anthracene
 Concen: 57.40 ng/ul
 RT: 21.20 min Scan# 3165
 Delta R.T. 0.01 min
 Lab File: BM006506.D
 Acq: 17 Jul 2016 08:45

Tgt Ion:228 Resp: 2408037
 Ion Ratio Lower Upper
 228 100
 229 20.3 15.6 23.4
 226 29.8 21.4 32.2





#82

Chrysene

Concen: 59.54 ng/ul

RT: 21.26 min Scan# 3174

Delta R.T. 0.01 min

Lab File: BM006506.D

Acq: 17 Jul 2016 08:45

Instrument :

BNA_M

ClientSampleId :

BDJ22

Tgt Ion:228 Resp: 2351907

Ion Ratio Lower Upper

228 100

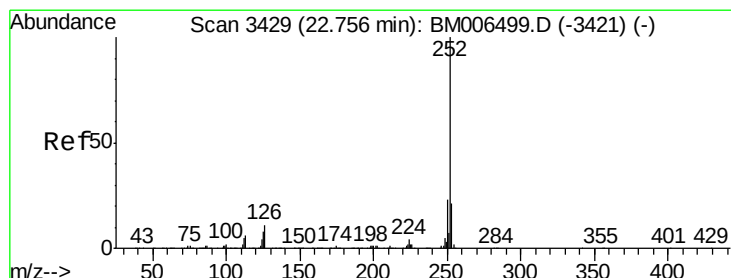
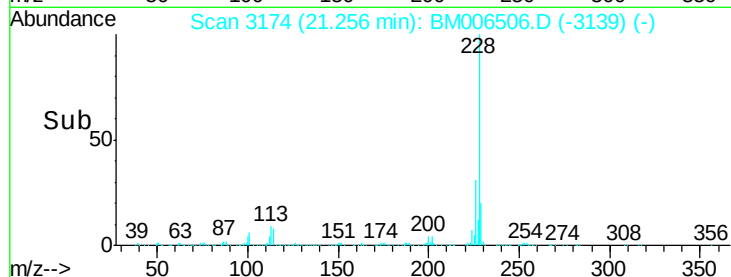
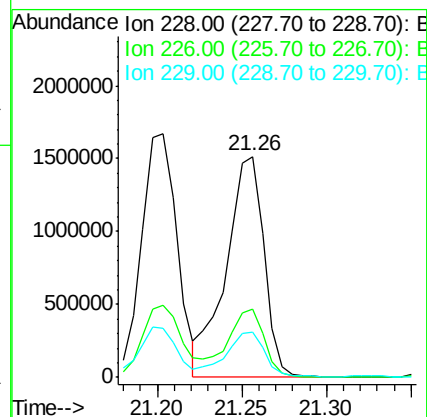
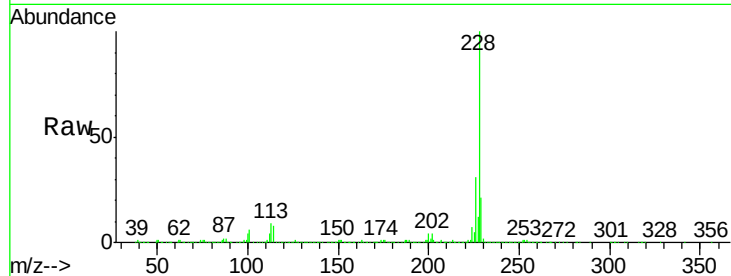
226 31.0 23.3 34.9

229 20.7 15.8 23.8

Manual Integrations

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#85

Benzo(b)fluoranthene

Concen: 55.23 ng/ul

RT: 22.76 min Scan# 3430

Delta R.T. 0.01 min

Lab File: BM006506.D

Acq: 17 Jul 2016 08:45

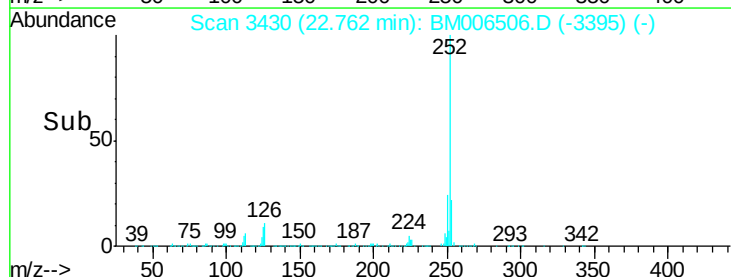
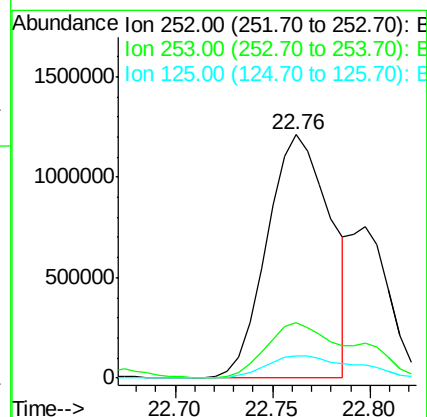
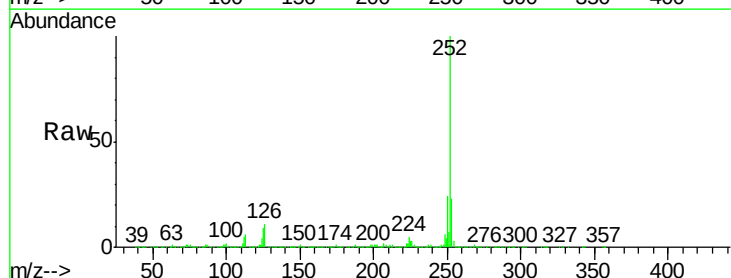
Tgt Ion:252 Resp: 2718662

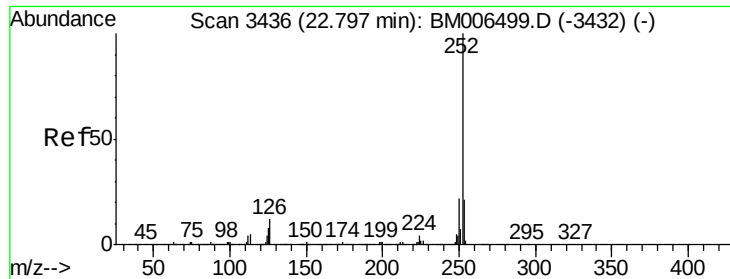
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

125 9.3 6.7 10.1





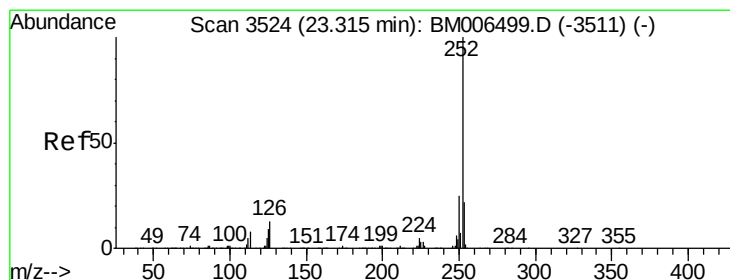
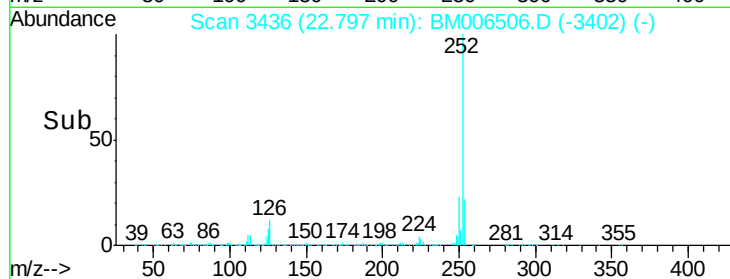
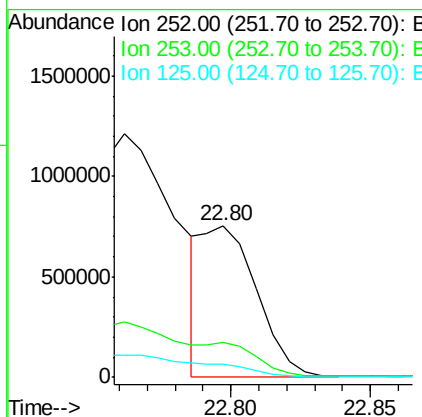
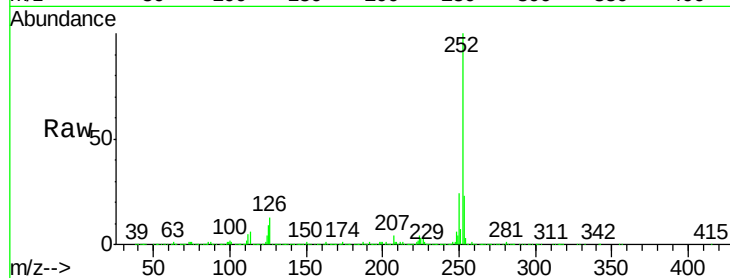
#86
Benzo(k)fluoranthene
Concen: 22.20 ng/ul m
RT: 22.80 min Scan# 3436
Delta R.T. -0.00 min
Lab File: BM006506.D
Acq: 17 Jul 2016 08:45

Instrument :
BNA_M
ClientSampleId :
BDJ22

Tgt Ion:252 Resp: 1027835
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 8.7 7.0 10.4

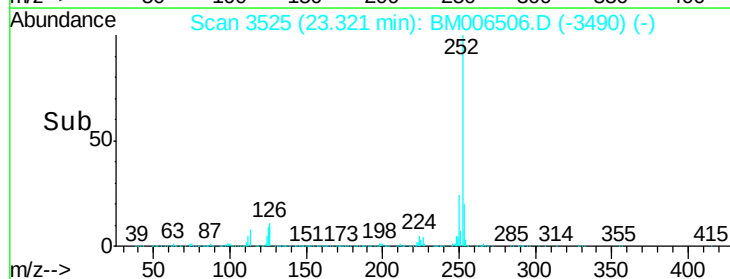
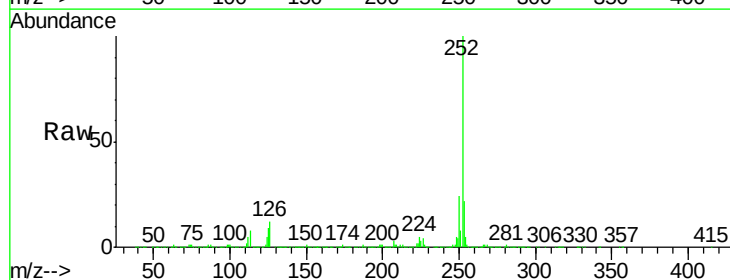
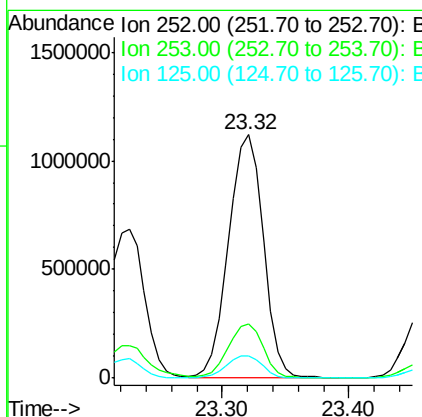
Manual Integrations

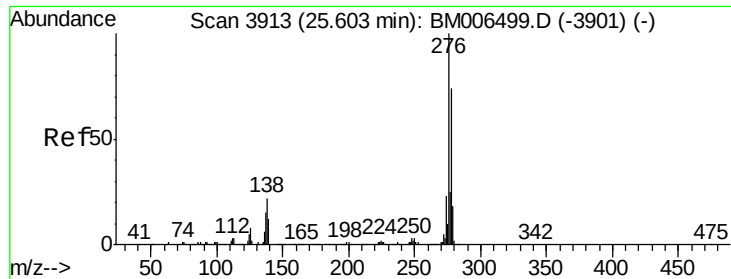
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#88
Benzo(a)pyrene
Concen: 44.91 ng/ul
RT: 23.32 min Scan# 3525
Delta R.T. 0.01 min
Lab File: BM006506.D
Acq: 17 Jul 2016 08:45

Tgt Ion:252 Resp: 2117603
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 8.9 7.6 11.4





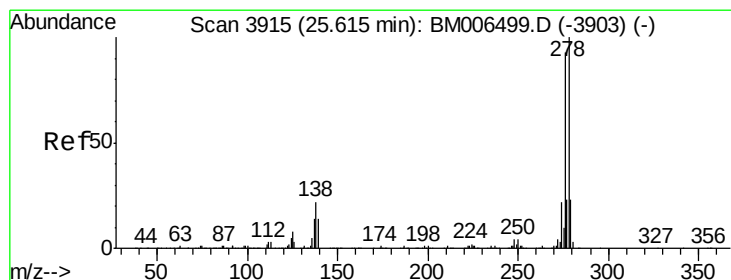
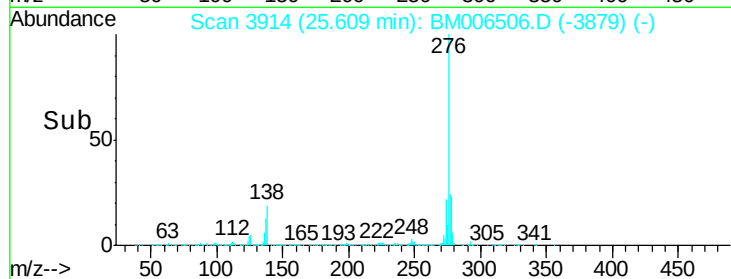
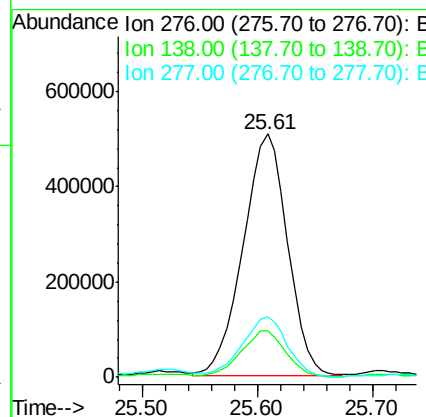
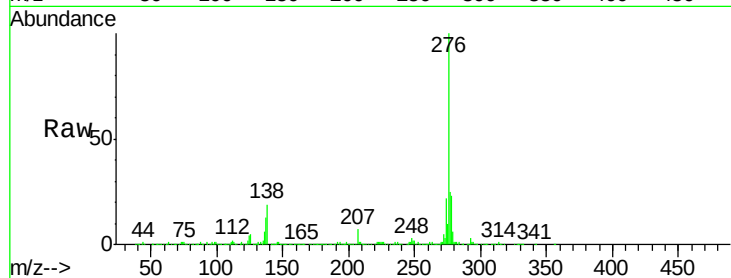
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 24.81 ng/ul
 RT: 25.61 min Scan# 3914
 Delta R.T. 0.01 min
 Lab File: BM006506.D
 Acq: 17 Jul 2016 08:45

Instrument :
 BNA_M
 ClientSampleId :
 BDJ22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.9	17.8	26.6
277	24.7	20.1	30.1

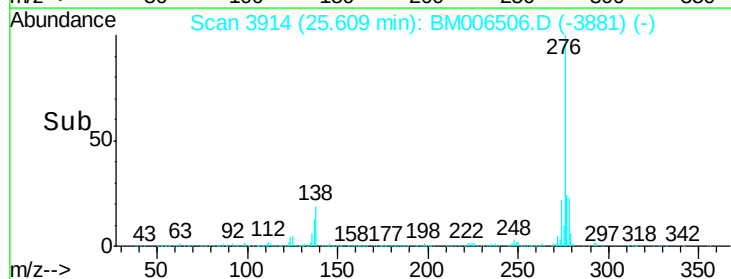
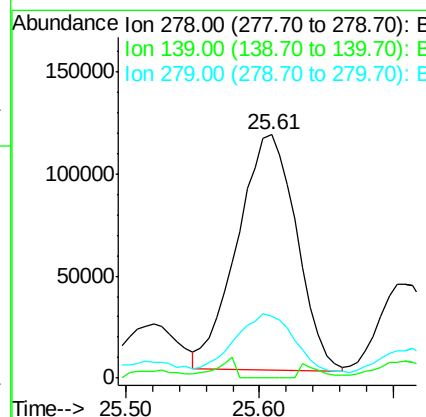
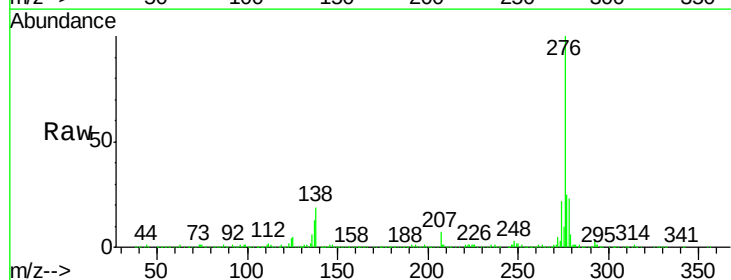
Manual Integrations

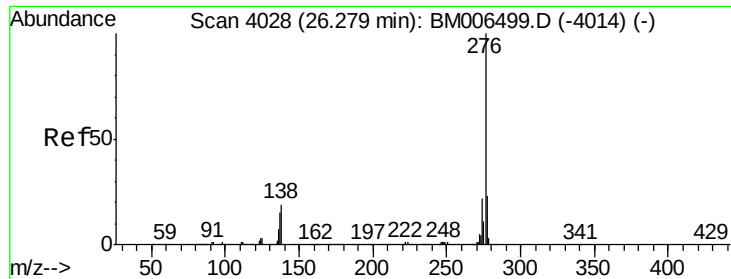
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#90
 Dibenzo(a,h)anthracene
 Concen: 7.81 ng/ul
 RT: 25.61 min Scan# 3914
 Delta R.T. -0.01 min
 Lab File: BM006506.D
 Acq: 17 Jul 2016 08:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.7	17.5#
279	25.4	19.2	28.8





#91
 Benzo(g,h,i)perylene
 Concen: 24.01 ng/ul
 RT: 26.29 min Scan# 4029
 Delta R.T. 0.01 min
 Lab File: BM006506.D
 Acq: 17 Jul 2016 08:45

Instrument :
 BNA_M
 ClientSampleId :
 BDJ22

Tgt Ion: 276 Resp: 1164064
 Ion Ratio Lower Upper
 276 100
 138 18.5 15.0 22.4
 277 23.8 19.0 28.4

Manual Integrations

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