

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071916\
 Data File : BM006534.D
 Acq On : 19 Jul 2016 22:12
 Operator : UM/SJ
 Sample : H4029-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BDJA8

Manual Integrations

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Quant Time: Jul 20 05:01:48 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	196888	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	819163	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	438562	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	956636	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	1103250	20.00	ng/ul	0.00
83) Perylene-d12	23.41	264	1202402	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	7459	1.60	ng/uL	0.00
5) Phenol-d5	6.79	99	302359	18.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	197779	20.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	243648	18.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	238909	18.63	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	113972	18.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	122045	17.39	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	228684	17.27	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	296037	21.38	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	734548	20.46	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	911408	20.54	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	108422	17.39	ng/ul	0.00
57) Fluorene-d10	15.26	176	655637	20.55	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	71353	12.89	ng/ul	0.00
70) Anthracene-d10	17.12	188	1014017	22.43	ng/ul	0.00
76) Pyrene-d10	19.42	212	1144762	22.89	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.27	264	1286878	23.40	ng/ul	0.00

Target Compounds

					Qvalue
28) Naphthalene	10.45	128	2758296	66.34 ng/ul	99
34) 2-Methylnaphthalene	12.06	142	67331	2.15 ng/ul	96
44) Dimethylphthalate	13.72	163	277564	7.62 ng/ul	99
47) Acenaphthylene	13.98	152	81284	1.76 ng/ul	98
49) Acenaphthene	14.33	153	91591	3.08 ng/ul	98
53) Dibenzofuran	14.67	168	62960	1.45 ng/ul	98
58) Fluorene	15.32	166	108555	3.13 ng/ul	99
69) Phenanthrene	17.06	178	680477	12.94 ng/ul	99
71) Anthracene	17.14	178	322551	5.96 ng/ul	99
72) Carbazole	17.42	167	46389	1.01 ng/ul	95
74) Fluoranthene	19.08	202	827160	13.53 ng/ul	100
77) Pyrene	19.44	202	679165	10.31 ng/ul	100
80) Benzo(a)anthracene	21.20	228	560245m	8.32 ng/ul	
82) Chrysene	21.25	228	576228	9.09 ng/ul	97
85) Benzo(b)fluoranthene	22.76	252	663115	9.23 ng/ul	98
86) Benzo(k)fluoranthene	22.79	252	276680m	4.09 ng/ul	
88) Benzo(a)pyrene	23.32	252	579201	8.41 ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.60	276	385719	4.82 ng/ul	97
90) Dibenzo(a,h)anthracene	25.60	278	110375	1.66 ng/ul#	91
91) Benzo(g,h,i)perylene	26.27	276	256218	3.62 ng/ul	97

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

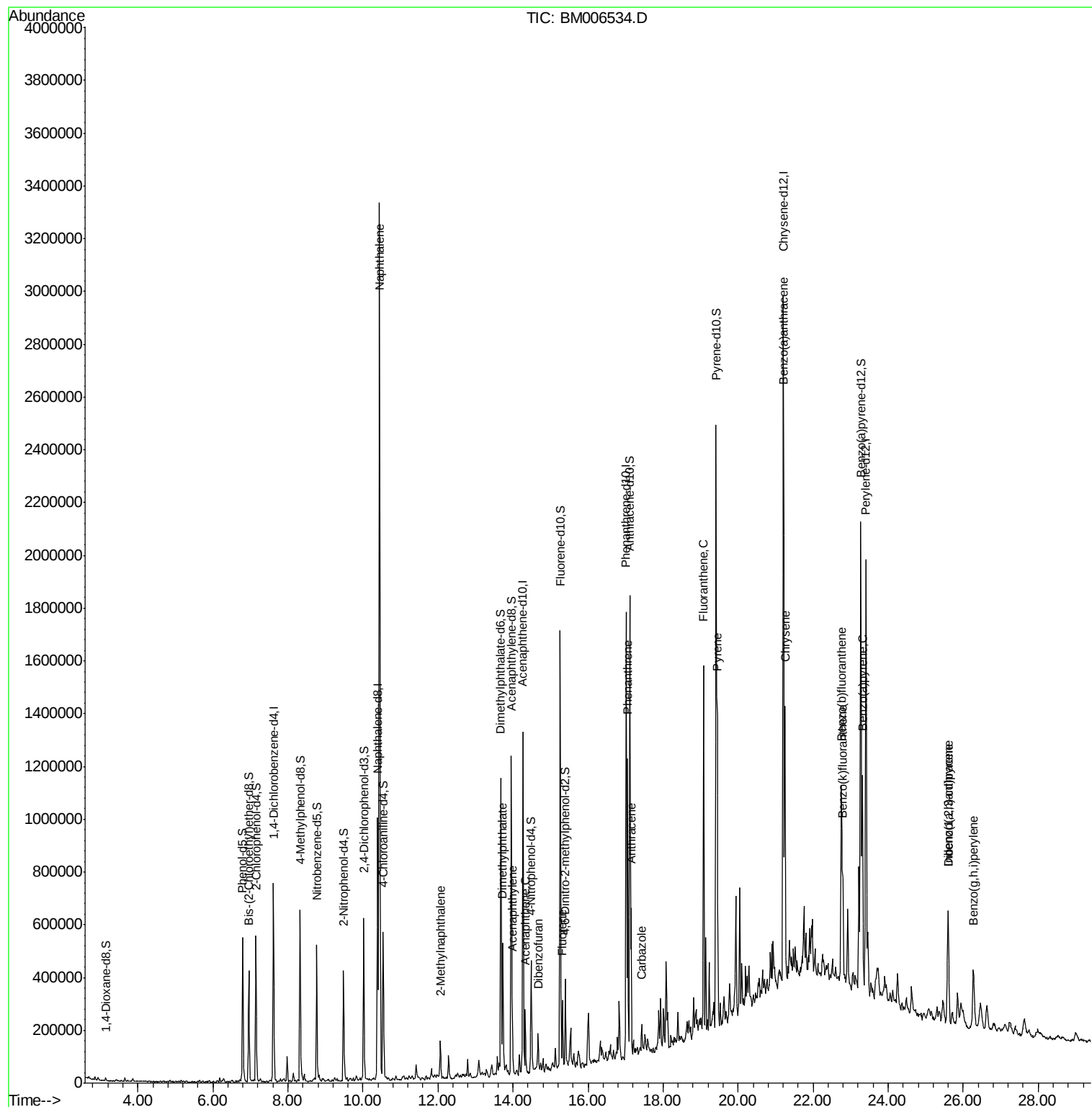
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071916\
Data File : BM006534.D
Acq On : 19 Jul 2016 22:12
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ALS Vial : 14 Sample Multiplier: 1

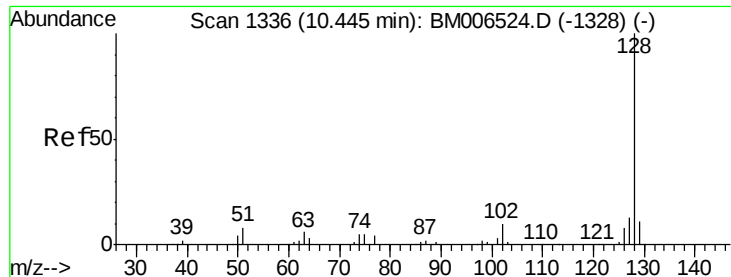
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
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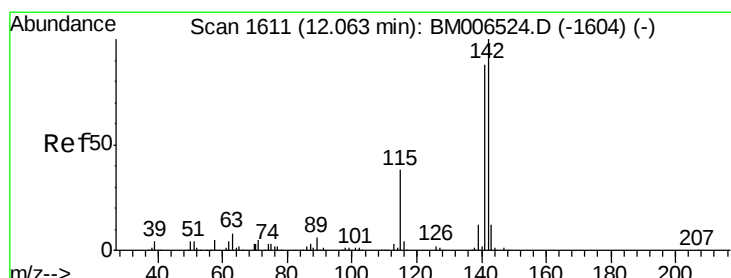
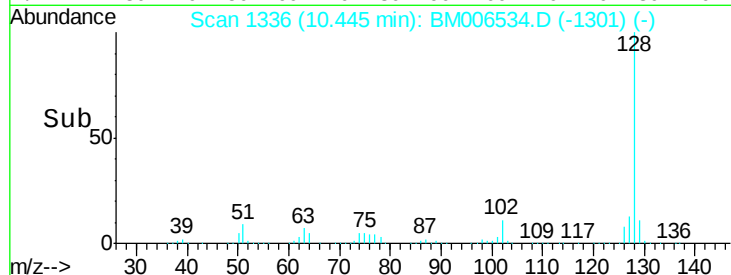
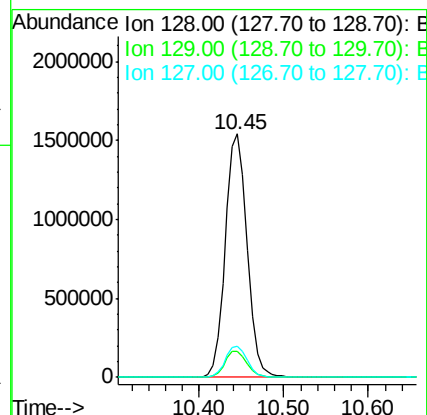
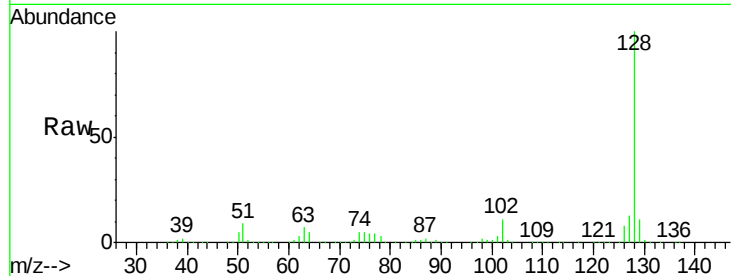
#28
Naphthalene
Concen: 66.34 ng/ul
RT: 10.45 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BM006534.D
Acq: 19 Jul 2016 22:12

Instrument :
BNA_M
ClientSampleId :
BDJA8

Tgt Ion:128 Resp: 2758296
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.9 10.9 16.3

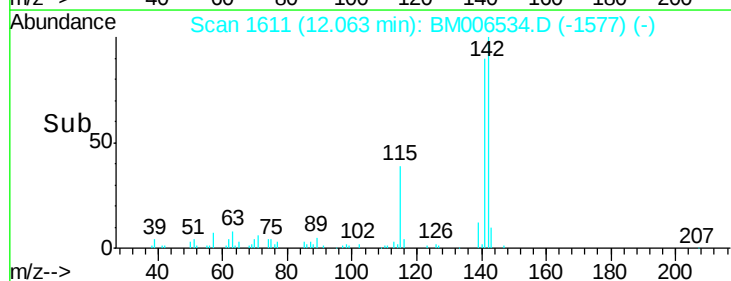
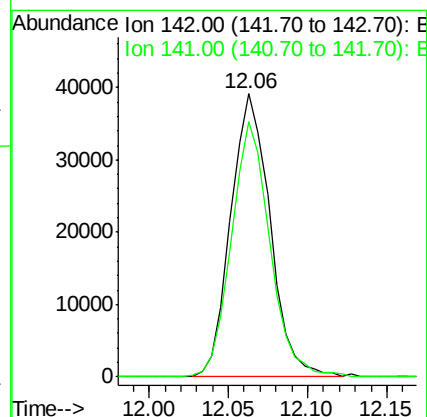
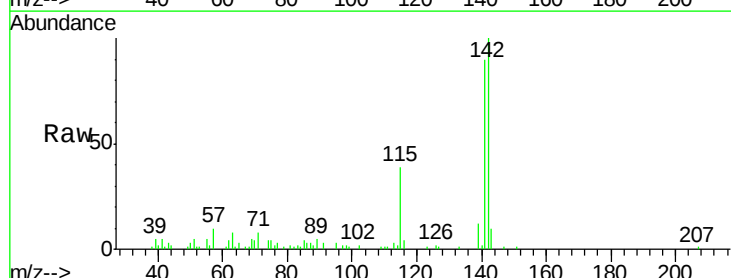
Manual Integrations

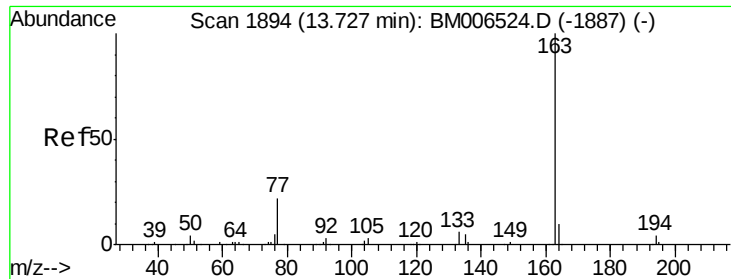
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#34
2-Methylnaphthalene
Concen: 2.15 ng/ul
RT: 12.06 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BM006534.D
Acq: 19 Jul 2016 22:12

Tgt Ion:142 Resp: 67331
Ion Ratio Lower Upper
142 100
141 90.1 69.0 103.4





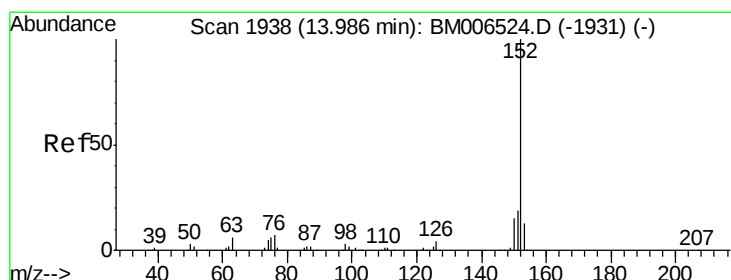
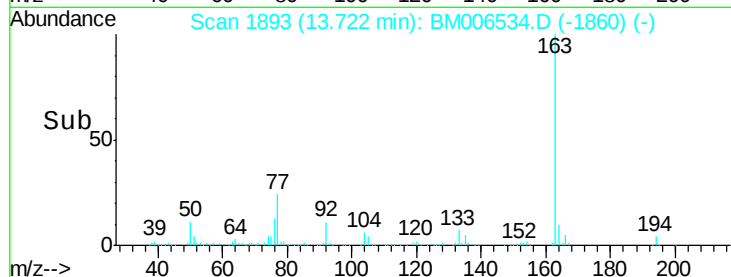
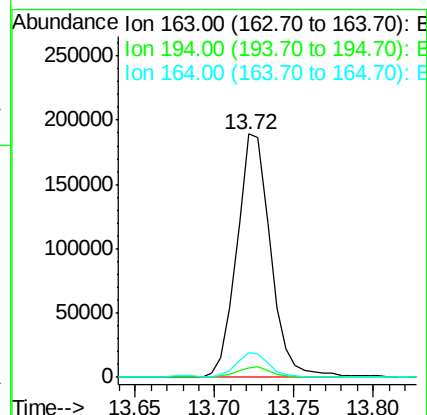
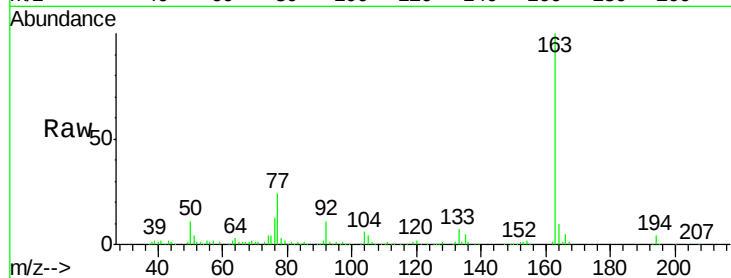
#44
Dimethylphthalate
Concen: 7.62 ng/ul
RT: 13.72 min Scan# 1893
Delta R.T. -0.01 min
Lab File: BM006534.D
Acq: 19 Jul 2016 22:12

Instrument :
BNA_M
ClientSampled :
BDJA8

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	10.0	7.8	11.8

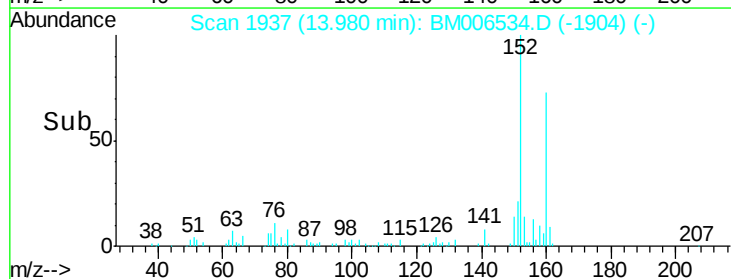
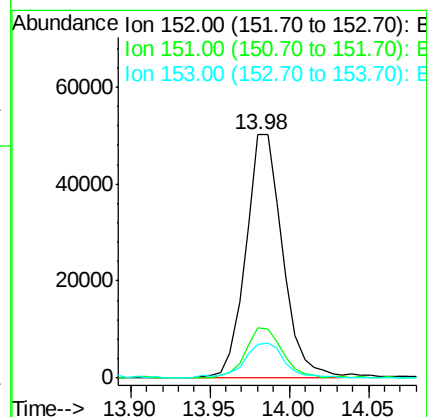
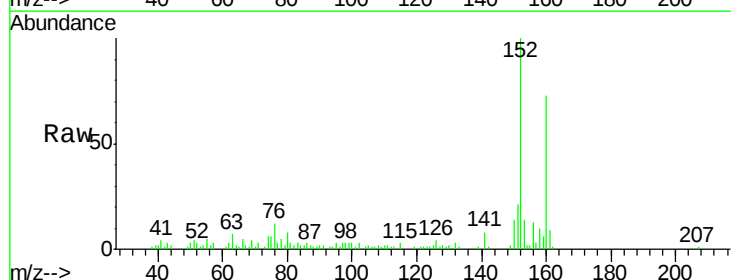
Manual Integrations

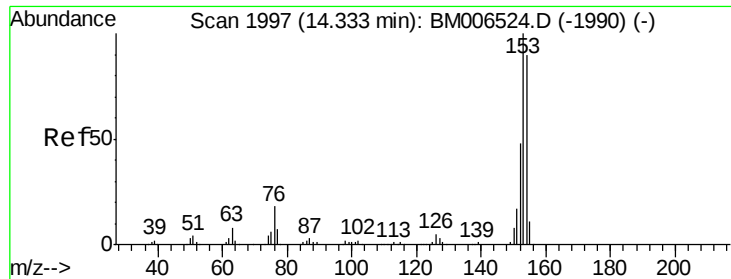
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#47
Acenaphthylene
Concen: 1.76 ng/ul
RT: 13.98 min Scan# 1937
Delta R.T. -0.01 min
Lab File: BM006534.D
Acq: 19 Jul 2016 22:12

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.6	23.4
153	13.8	10.3	15.5





#49

Acenaphthene

Concen: 3.08 ng/ul

RT: 14.33 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BM006534.D

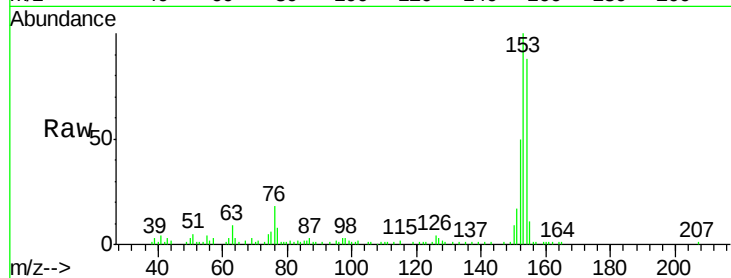
Acq: 19 Jul 2016 22:12

Instrument :

BNA_M

ClientSampleId :

BDJA8



Tgt Ion:153 Resp: 91591

Ion Ratio Lower Upper

153 100

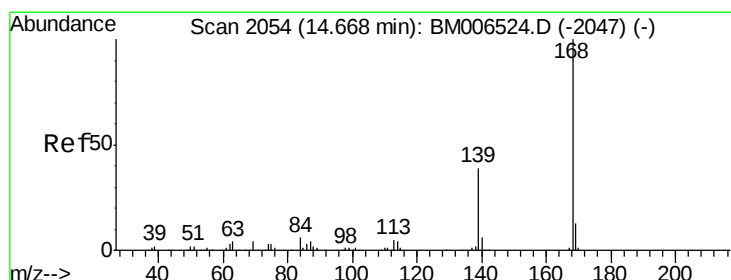
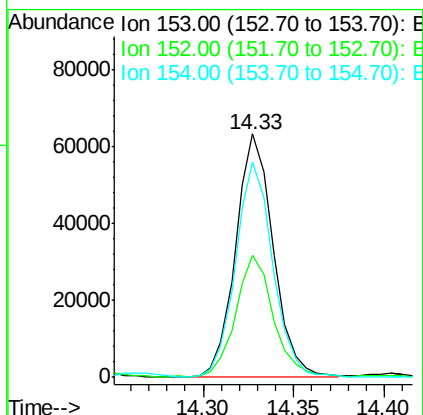
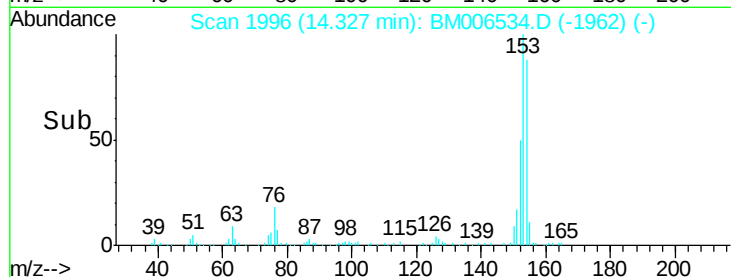
152 49.9 37.7 56.5

154 88.4 70.0 105.0

Manual Integrations

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7/20/2016 7:47:58 PM



#53

Dibenzofuran

Concen: 1.45 ng/ul

RT: 14.67 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BM006534.D

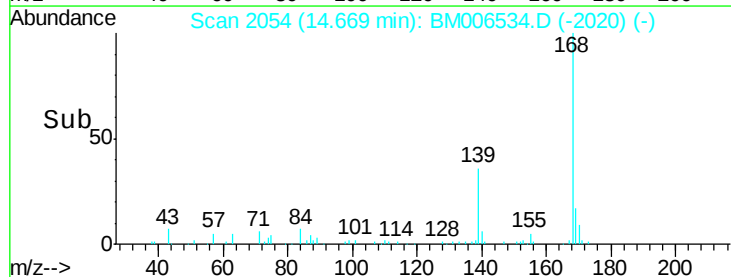
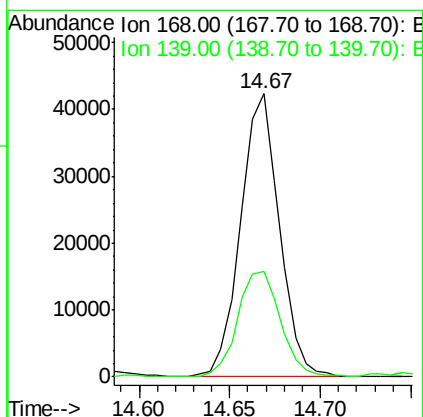
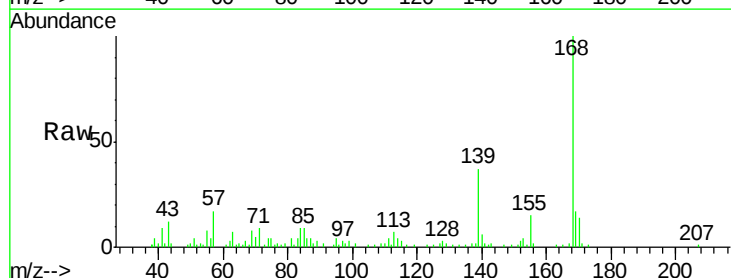
Acq: 19 Jul 2016 22:12

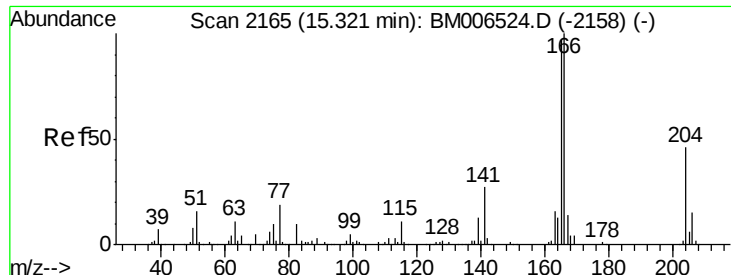
Tgt Ion:168 Resp: 62960

Ion Ratio Lower Upper

168 100

139 37.3 30.6 46.0





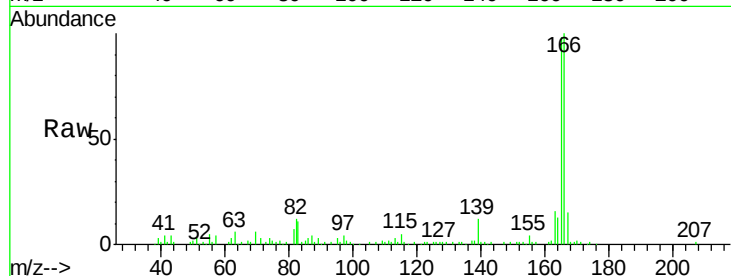
#58
 Fluorene
 Concen: 3.13 ng/ul
 RT: 15.32 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: BM006534.D
 Acq: 19 Jul 2016 22:12

Instrument :
 BNA_M
 ClientSampled :
 BDJA8

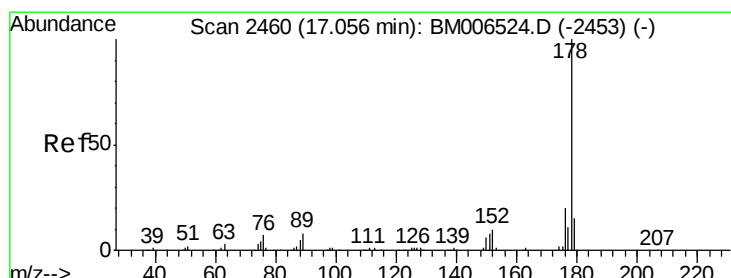
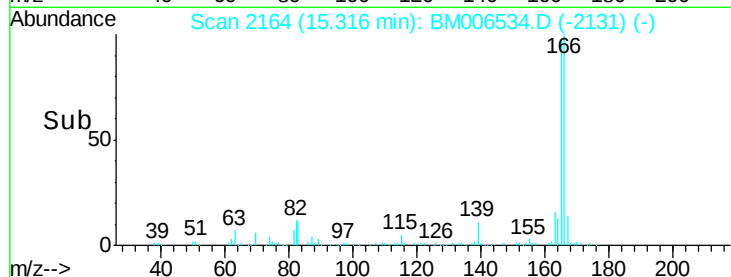
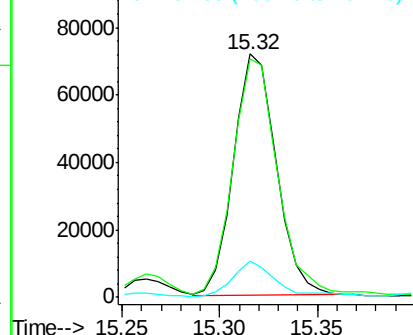
Tgt Ion:166 Resp: 108555
 Ion Ratio Lower Upper
 166 100
 165 97.9 77.5 116.3
 167 14.7 10.8 16.2

Manual Integrations

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 7/20/2016 7:47:58 PM



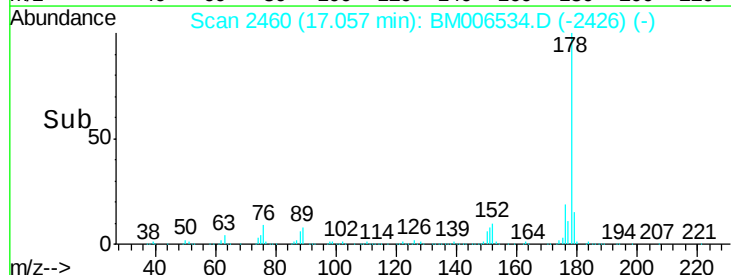
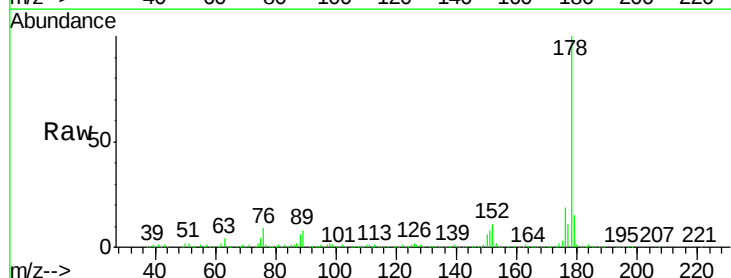
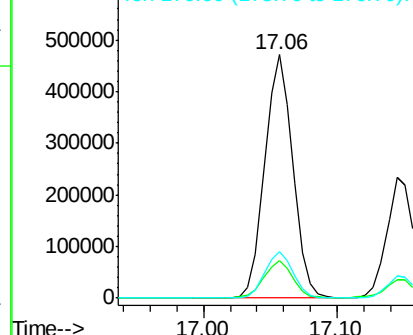
Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

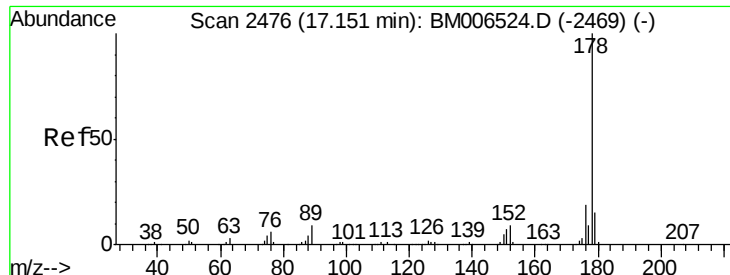


#69
 Phenanthrene
 Concen: 12.94 ng/ul
 RT: 17.06 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: BM006534.D
 Acq: 19 Jul 2016 22:12

Tgt Ion:178 Resp: 680477
 Ion Ratio Lower Upper
 178 100
 179 15.2 11.9 17.9
 176 19.2 15.2 22.8

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





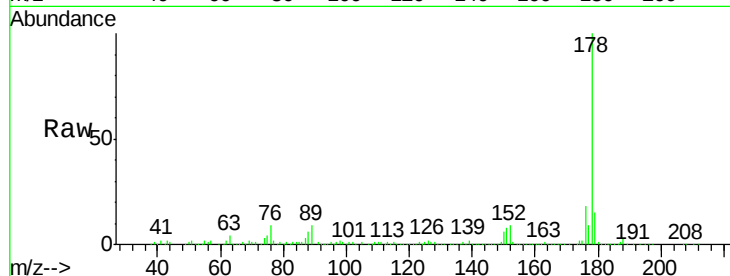
#71
 Anthracene
 Concen: 5.96 ng/ul
 RT: 17.14 min Scan# 2475
 Delta R.T. -0.01 min
 Lab File: BM006534.D
 Acq: 19 Jul 2016 22:12

Instrument :
 BNA_M
 ClientSampled :
 BDJA8

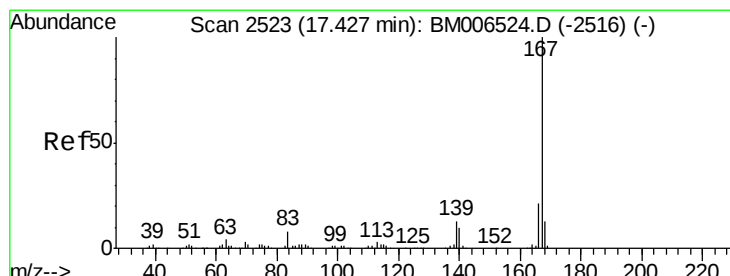
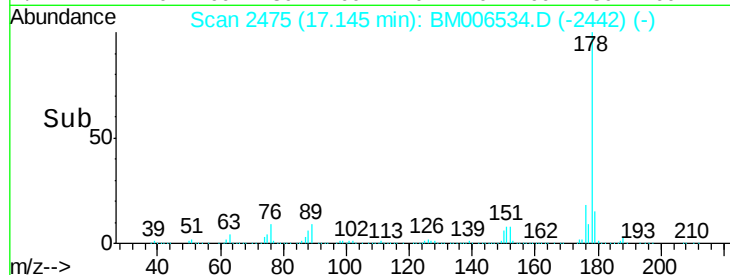
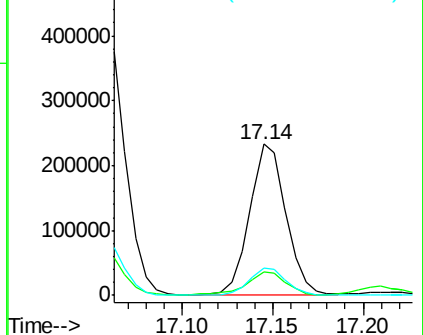
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.0	18.0
176	18.4	15.0	22.6

Manual Integrations

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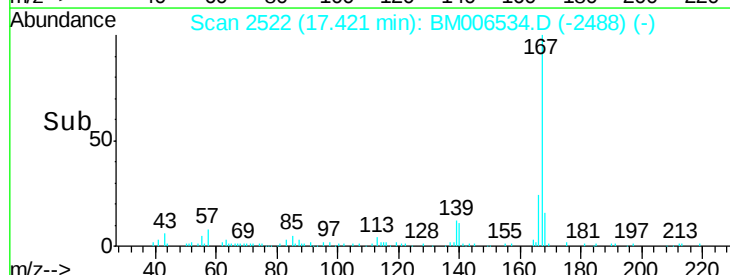
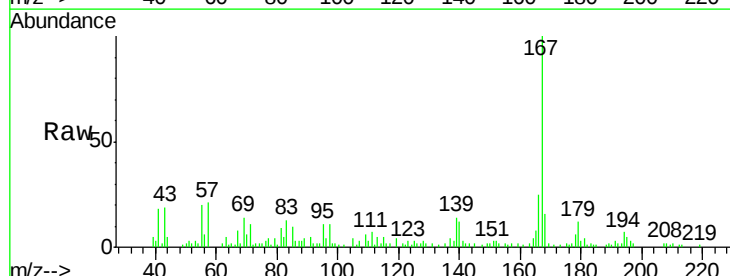
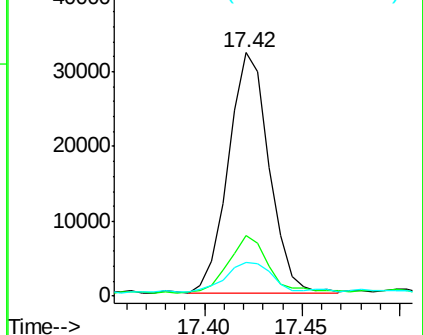
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

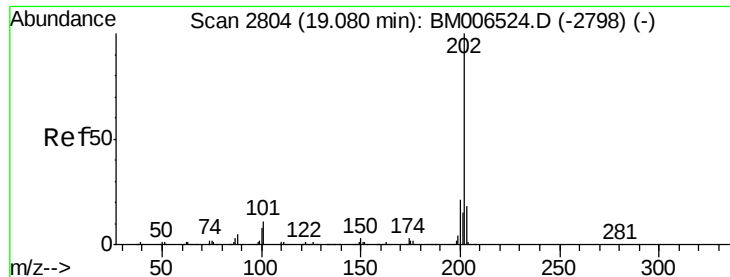


#72
 Carbazole
 Concen: 1.01 ng/ul
 RT: 17.42 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: BM006534.D
 Acq: 19 Jul 2016 22:12

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.6	17.0	25.6
139	13.9	10.2	15.4

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 13.53 ng/ul

RT: 19.08 min Scan# 2804

Delta R.T. 0.00 min

Lab File: BM006534.D

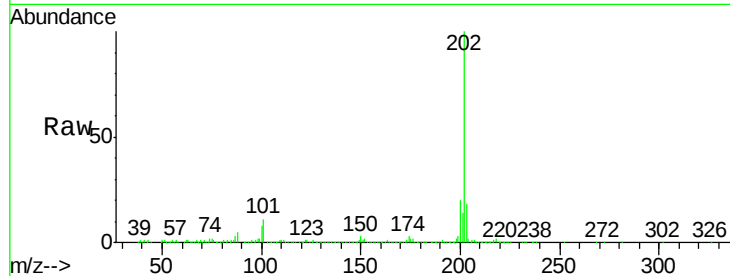
Acq: 19 Jul 2016 22:12

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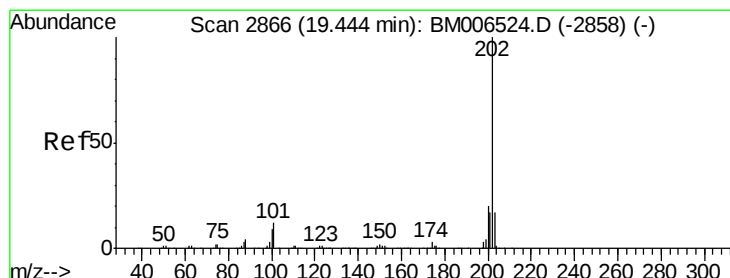
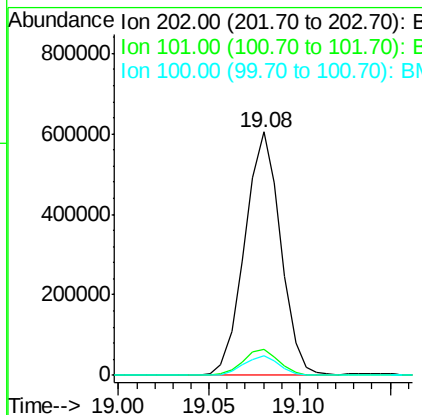


Tgt Ion	Ratio	Resp	Lower	Upper
202	100	827160		
101	10.8	8.6	12.8	
100	7.8	6.4	9.6	

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7/20/2016 7:47:58 PM



#77

Pyrene

Concen: 10.31 ng/ul

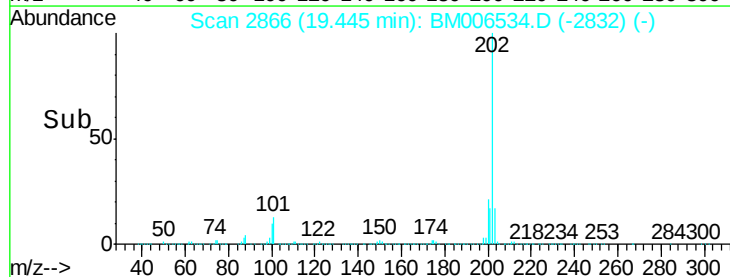
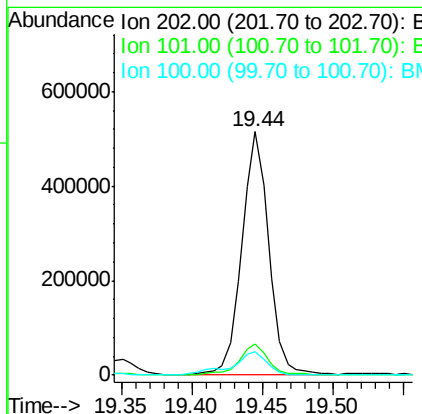
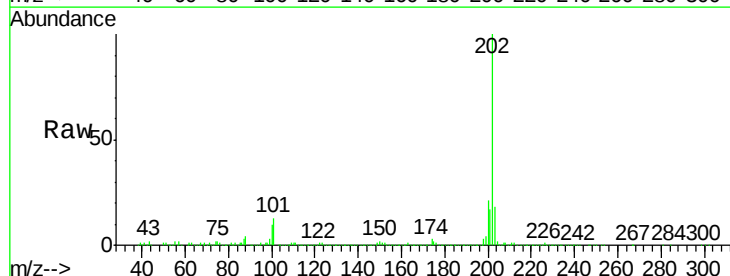
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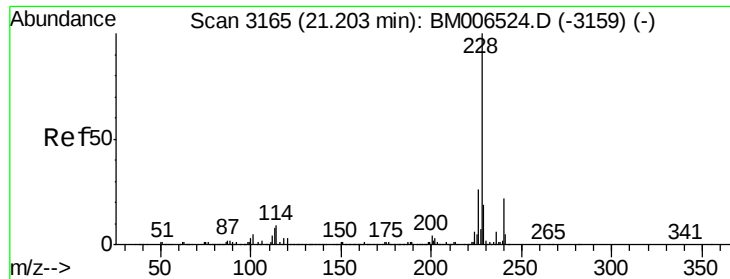
Delta R.T. 0.00 min

Lab File: BM006534.D

Acq: 19 Jul 2016 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	679165		
101	12.5	10.0	15.0	
100	9.6	7.9	11.9	





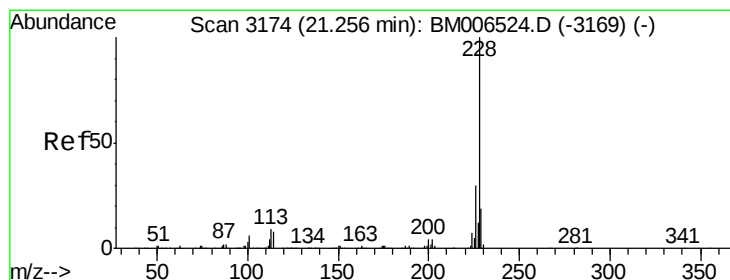
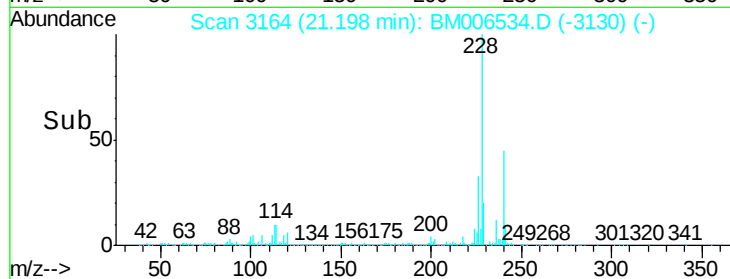
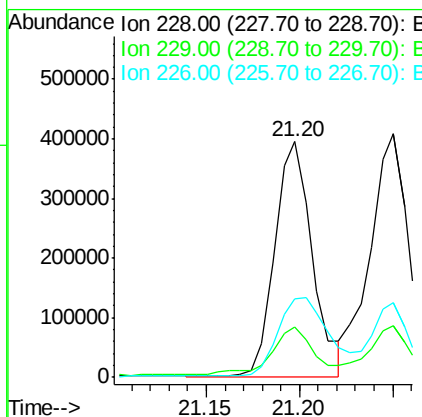
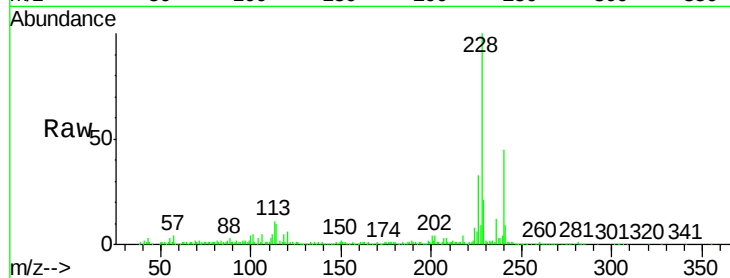
#80
Benzo(a)anthracene
Concen: 8.32 ng/ul m
RT: 21.20 min Scan# 3164
Delta R.T. 0.00 min
Lab File: BM006534.D
Acq: 19 Jul 2016 22:12

Instrument :
BNA_M
ClientSampled :
BDJA8

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.6	23.4
226	33.4	21.4	32.2

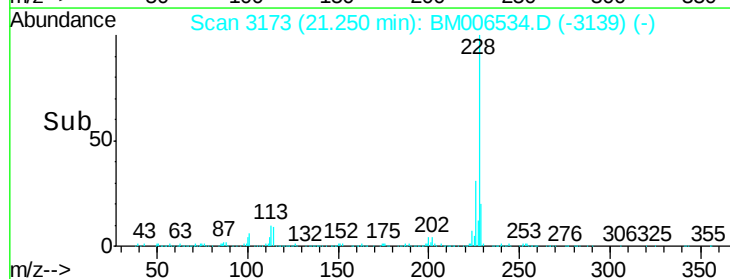
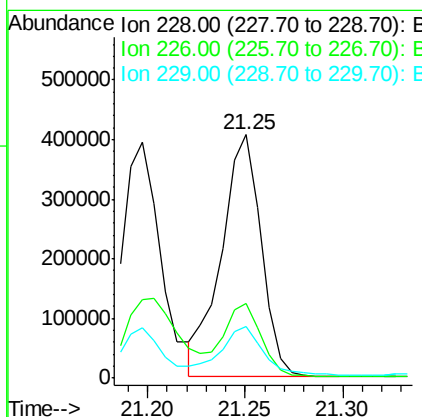
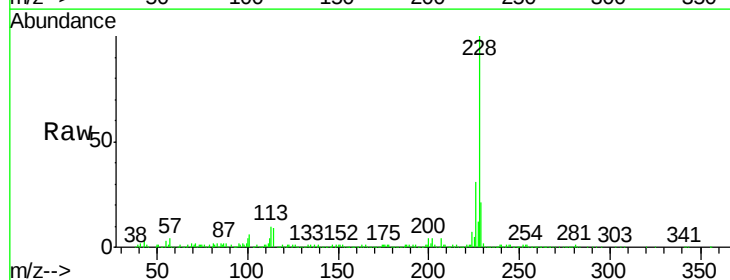
Manual Integrations

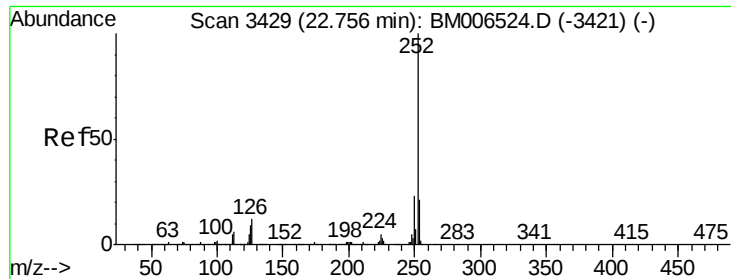
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7/20/2016 7:47:58 PM



#82
Chrysene
Concen: 9.09 ng/ul
RT: 21.25 min Scan# 3173
Delta R.T. 0.00 min
Lab File: BM006534.D
Acq: 19 Jul 2016 22:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.3	34.9
229	21.0	15.8	23.8





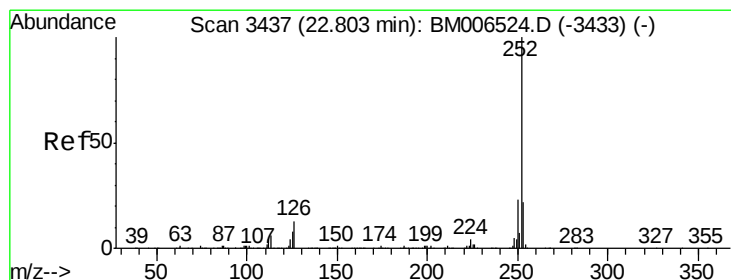
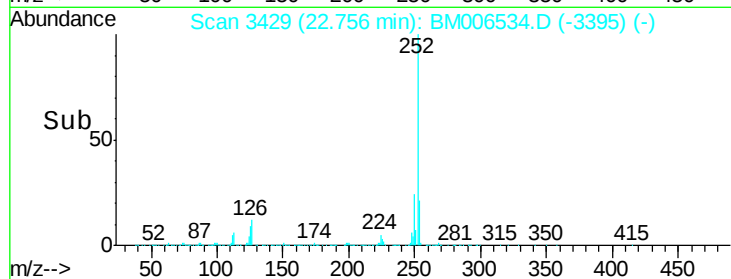
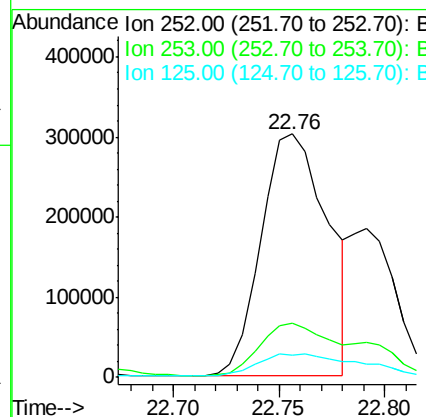
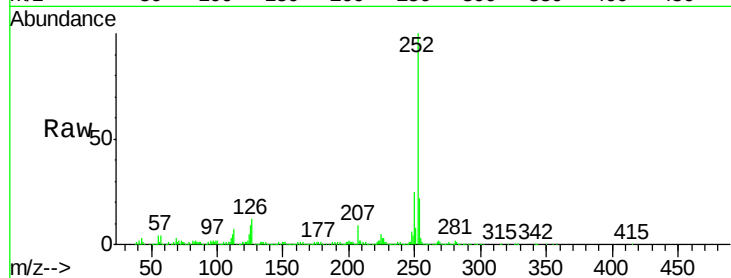
#85
Benzo(b)fluoranthene
Concen: 9.23 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. 0.00 min
Lab File: BM006534.D
Acq: 19 Jul 2016 22:12

Instrument :
BNA_M
ClientSampleId :
BDJA8

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	9.4	6.7	10.1

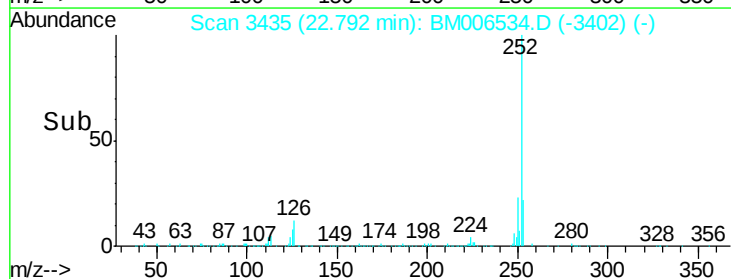
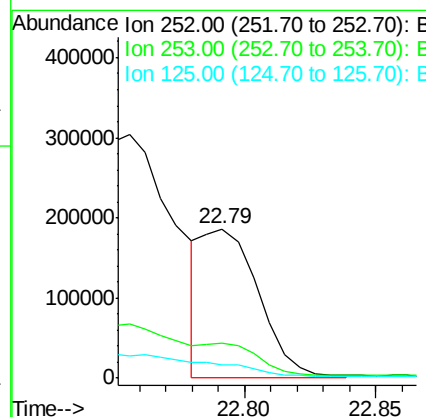
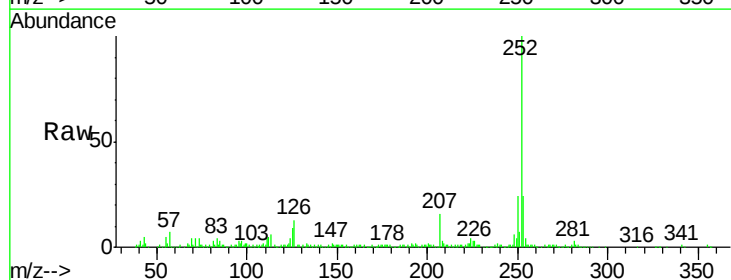
Manual Integrations

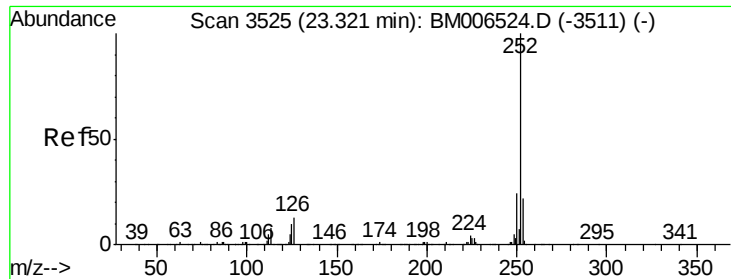
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7/20/2016 7:47:58 PM



#86
Benzo(k)fluoranthene
Concen: 4.09 ng/ul m
RT: 22.79 min Scan# 3435
Delta R.T. -0.01 min
Lab File: BM006534.D
Acq: 19 Jul 2016 22:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.3	25.9
125	9.1	7.0	10.4





#88

Benzo(a)pyrene

Concen: 8.41 ng/ul

RT: 23.32 min Scan# 3524

Delta R.T. -0.01 min

Lab File: BM006534.D

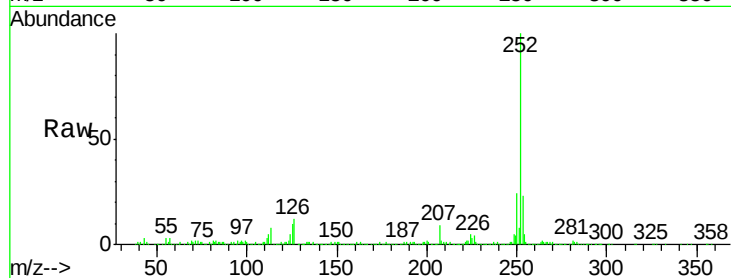
Acq: 19 Jul 2016 22:12

Instrument :

BNA_M

ClientSampleId :

BDJA8

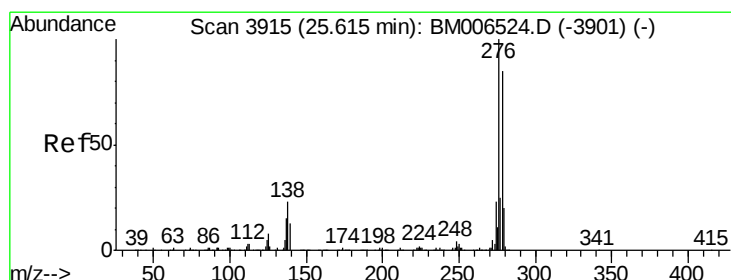
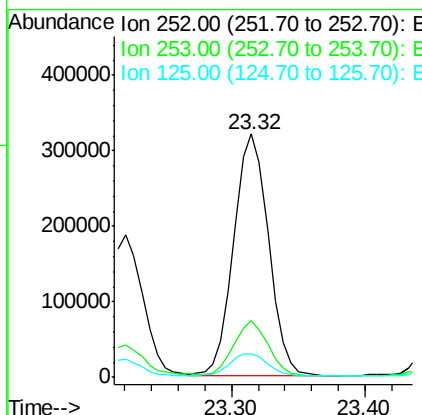
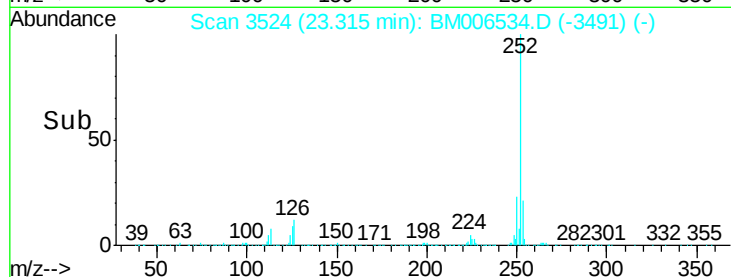


Tgt Ion:	252	Resp:	579201
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.2
125	9.8	7.6	11.4

Manual Integrations

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7/20/2016 7:47:58 PM



#89

Indeno(1,2,3-cd)pyrene

Concen: 4.82 ng/ul

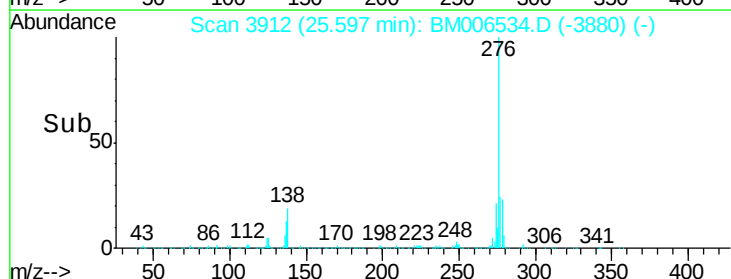
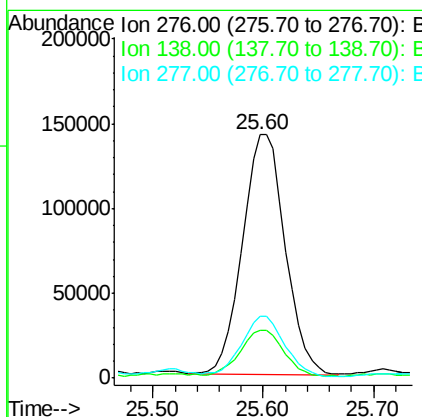
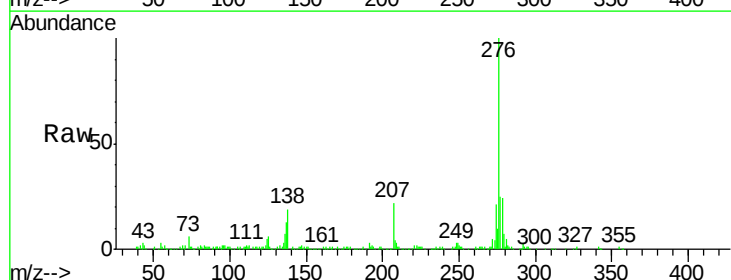
RT: 25.60 min Scan# 3912

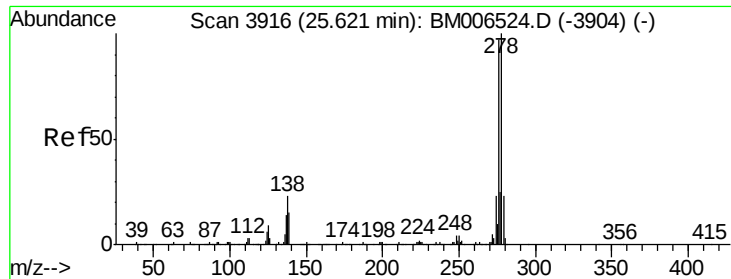
Delta R.T. -0.01 min

Lab File: BM006534.D

Acq: 19 Jul 2016 22:12

Tgt Ion:	276	Resp:	385719
Ion Ratio	Lower	Upper	
276	100		
138	19.5	17.8	26.6
277	25.5	20.1	30.1





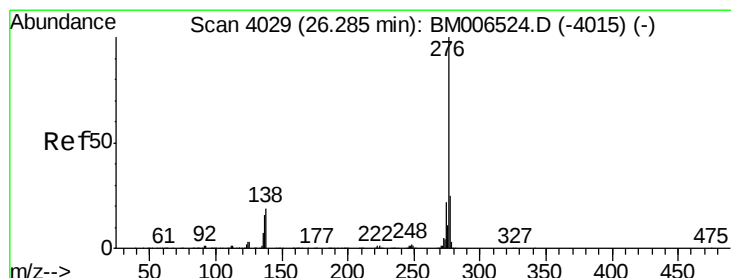
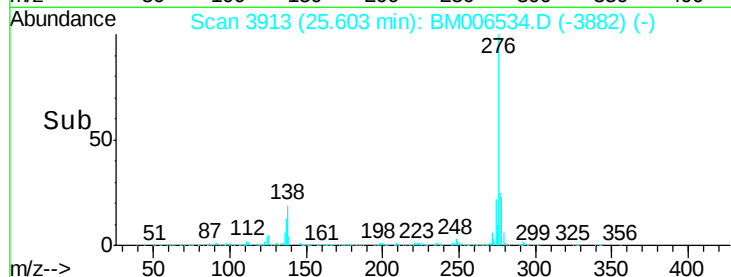
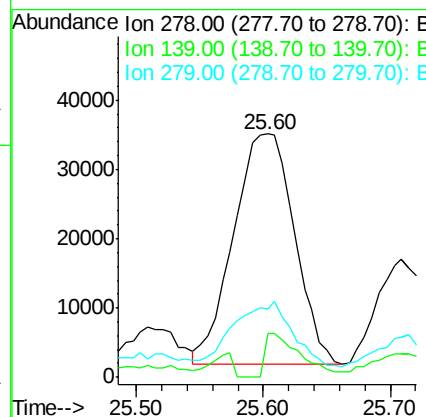
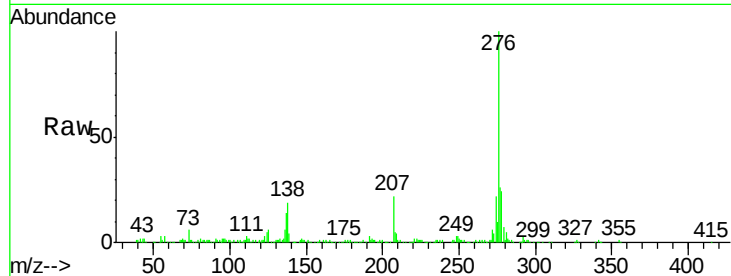
#90
Dibenzo(a,h)anthracene
Concen: 1.66 ng/ul
RT: 25.60 min Scan# 3913
Delta R.T. -0.02 min
Lab File: BM006534.D
Acq: 19 Jul 2016 22:12

Instrument :
BNA_M
ClientSampleId :
BDJA8

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.3	11.7	17.5#
279	28.1	19.2	28.8

Manual Integrations

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7/20/2016 7:47:58 PM



#91
Benzo(g,h,i)perylene
Concen: 3.62 ng/ul
RT: 26.27 min Scan# 4027
Delta R.T. -0.01 min
Lab File: BM006534.D
Acq: 19 Jul 2016 22:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.0	15.0	22.4
277	24.3	19.0	28.4

