

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070516\
 Data File : BM006262.D
 Acq On : 05 Jul 2016 17:43
 Operator : UM/SJ
 Sample : H3612-14 20X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Z32

Manual Integrations

sohil
 7/5/2016 7:58:25 PM

Quant Time: Jul 05 18:45:32 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM070216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 05 17:52:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	224513	20.00	ng/ul	0.00
18) Naphthalene-d8	10.42	136	1013901	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.29	164	551578	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.04	188	1100617	20.00	ng/ul	0.00
75) Chrysene-d12	21.24	240	912387	20.00	ng/ul	0.00
83) Perylene-d12	23.46	264	921225	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	526	0.10	ng/uL	0.00
5) Phenol-d5	6.82	99	29053	1.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	19522	1.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	21629	1.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	22450	1.32	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	9964	1.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	10228	1.12	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	17639	1.06	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	10497	0.61	ng/ul	0.00
43) Dimethylphthalate-d6	13.70	166	65453	1.42	ng/ul	0.00
46) Acenaphthylene-d8	13.99	160	81244	1.43	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	5439	0.62	ng/ul	0.01
57) Fluorene-d10	15.29	176	63327	1.60	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.42	200	3354	0.52	ng/ul	0.00
70) Anthracene-d10	17.14	188	87569m	1.67	ng/ul	0.00
76) Pyrene-d10	19.44	212	83410	1.92	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.31	264	71594	1.67	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.47	128	75605	1.45	ng/ul	98
49) Acenaphthene	14.36	153	101155	2.66	ng/ul	97
53) Dibenzofuran	14.69	168	95274	1.76	ng/ul	97
58) Fluorene	15.34	166	108339	2.49	ng/ul	98
69) Phenanthrene	17.09	178	1387271	22.60	ng/ul	99
71) Anthracene	17.17	178	206549	3.26	ng/ul	98
72) Carbazole	17.45	167	221467	4.17	ng/ul	99
74) Fluoranthene	19.11	202	1578974	23.11	ng/ul	99
77) Pyrene	19.47	202	1171416	20.47	ng/ul	99
80) Benzo(a)anthracene	21.23	228	542336	9.69	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.16	149	82503	2.35	ng/ul	98
82) Chrysene	21.27	228	570698	11.17	ng/ul	97
85) Benzo(b)fluoranthene	22.79	252	736825	13.51	ng/ul#	96
86) Benzo(k)fluoranthene	22.83	252	230672m	4.55	ng/ul	
88) Benzo(a)pyrene	23.36	252	457623	8.67	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	25.67	276	340282	5.63	ng/ul	99
90) Dibenzo(a,h)anthracene	25.67	278	86562	1.74	ng/ul#	91
91) Benzo(g,h,i)perylene	26.34	276	306872	5.89	ng/ul	97

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

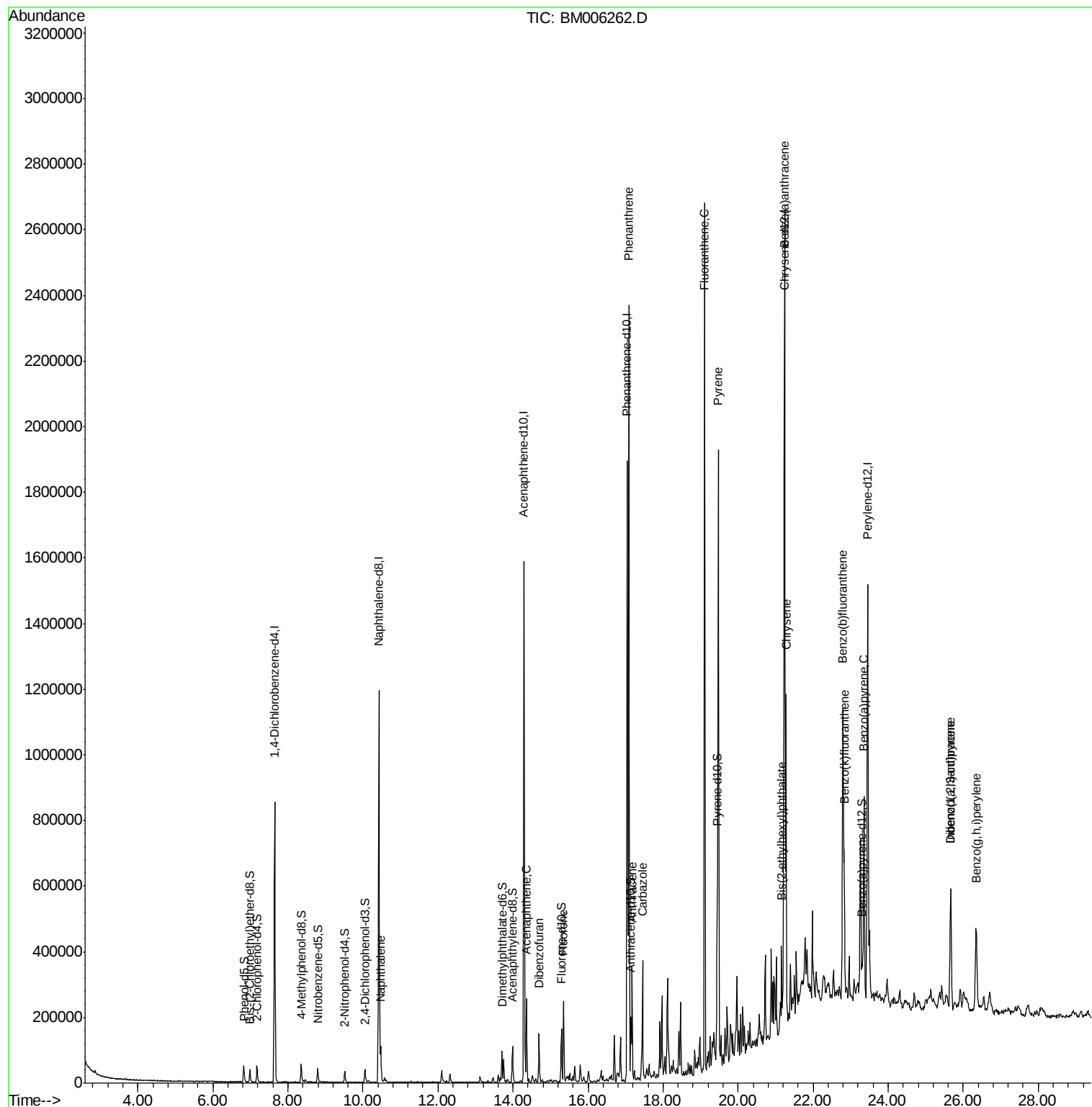
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070516\
Data File : BM006262.D
Acq On : 05 Jul 2016 17:43
Operator : UM/SJ
Sample : H3612-14 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

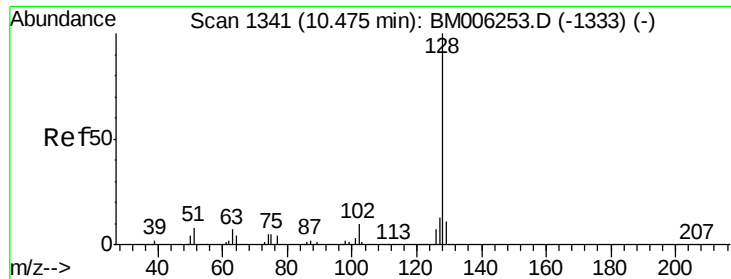
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM070216.M
Quant Title : SVOA CALIBRATION
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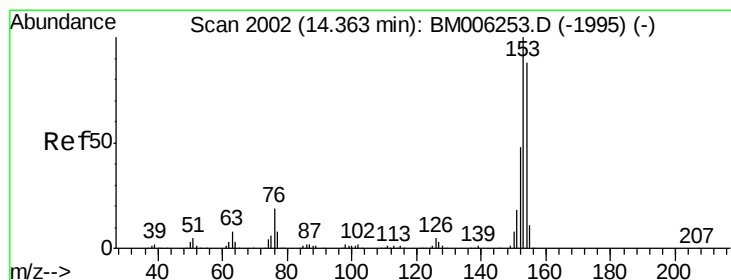
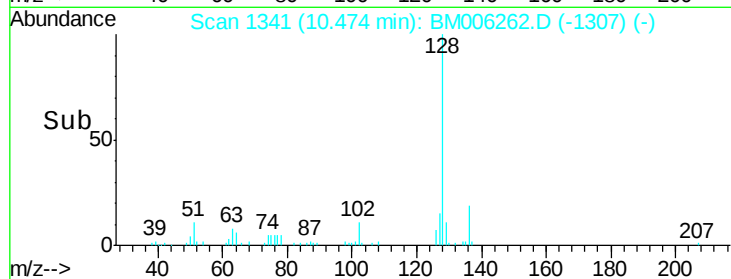
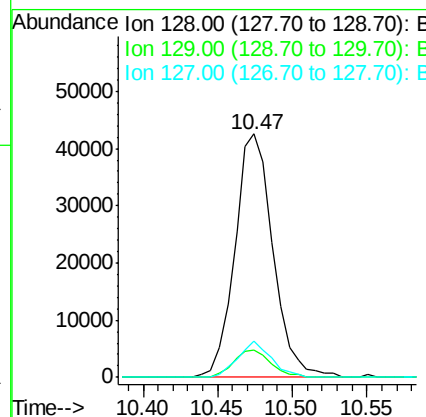
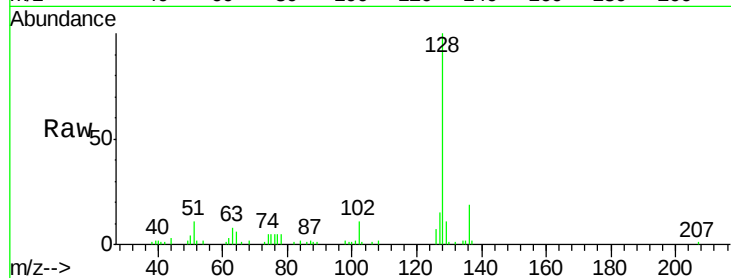
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Naphthalene
Concen: 1.45 ng/ul
RT: 10.47 min Scan# 1341
Delta R.T. -0.00 min
Lab File: BM006262.D
Acq: 05 Jul 2016 17:43

Instrument :
BNA_M
ClientSampleId :
D9Z32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	15.0	10.9	16.3

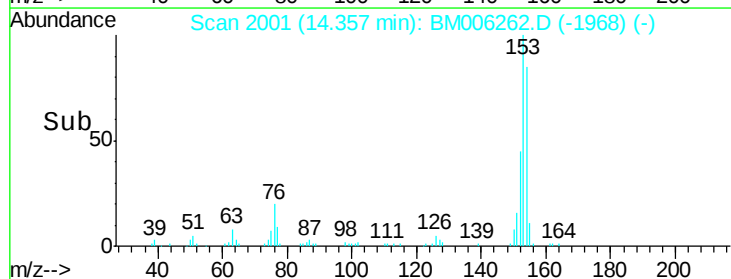
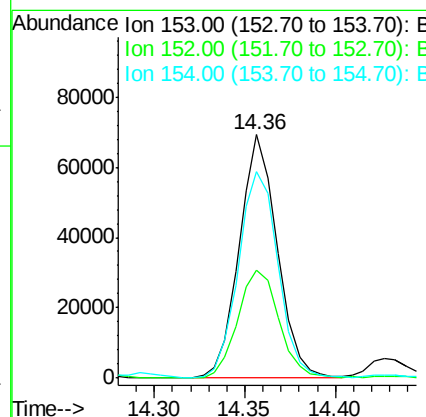
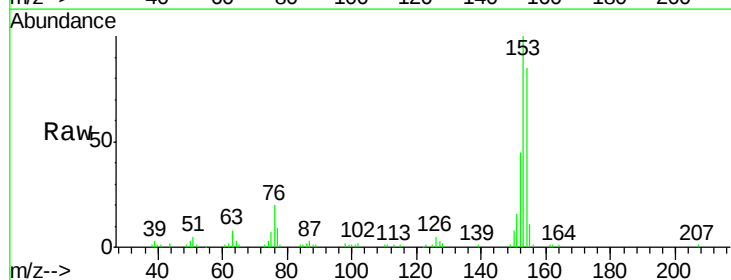
Manual Integrations

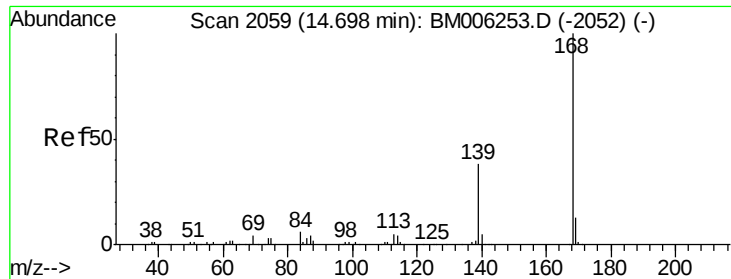
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#49
Acenaphthene
Concen: 2.66 ng/ul
RT: 14.36 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BM006262.D
Acq: 05 Jul 2016 17:43

Tgt Ion	Ratio	Lower	Upper
153	100		
152	44.5	37.7	56.5
154	85.0	70.0	105.0





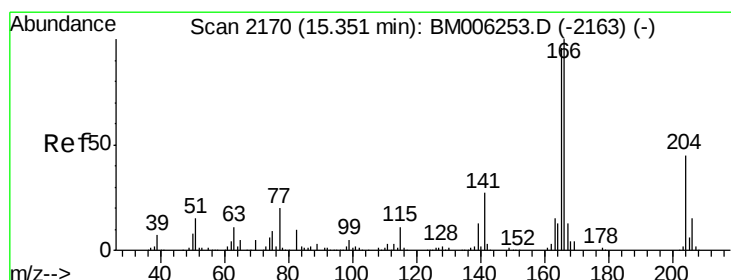
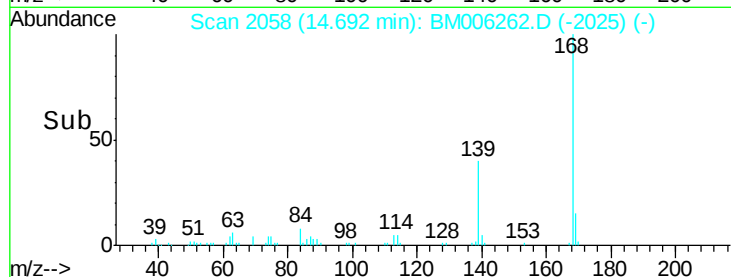
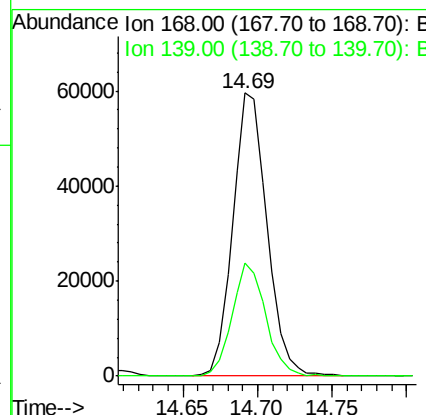
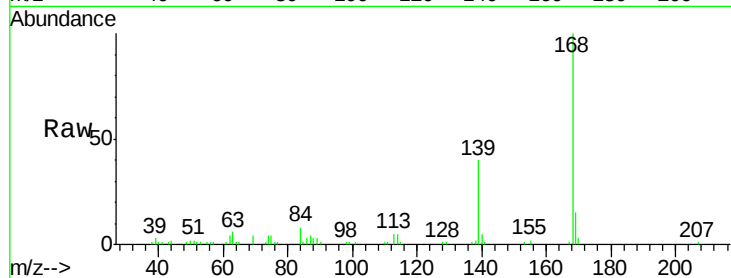
#53
Dibenzenofuran
Concen: 1.76 ng/ul
RT: 14.69 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BM006262.D
Acq: 05 Jul 2016 17:43

Instrument :
BNA_M
ClientSampleId :
D9Z32

Tgt Ion:168 Resp: 95274
Ion Ratio Lower Upper
168 100
139 40.0 30.6 46.0

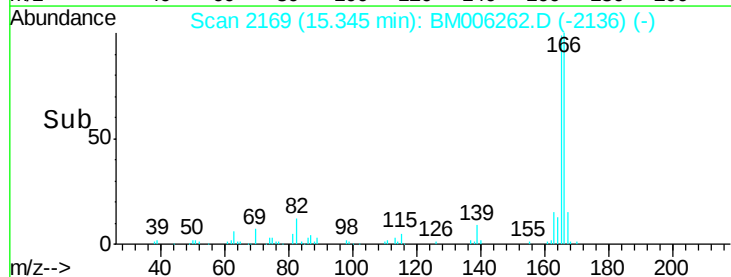
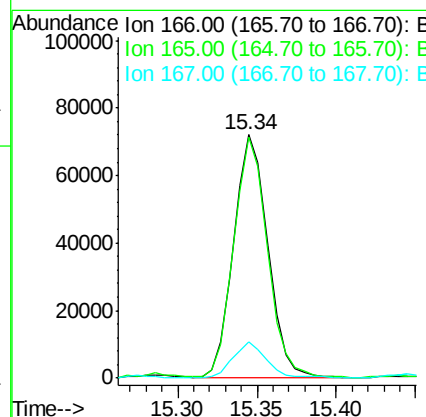
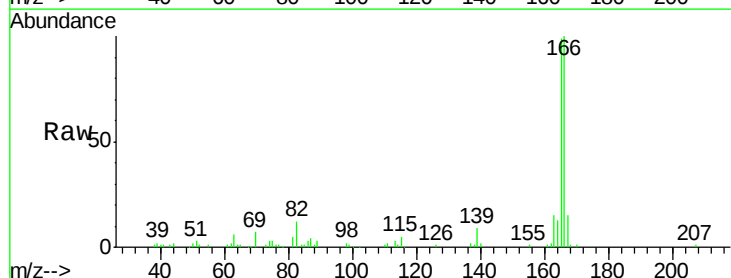
Manual Integrations

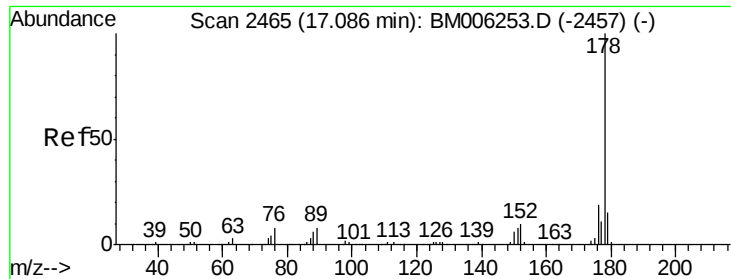
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#58
Fluorene
Concen: 2.49 ng/ul
RT: 15.34 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BM006262.D
Acq: 05 Jul 2016 17:43

Tgt Ion:166 Resp: 108339
Ion Ratio Lower Upper
166 100
165 98.8 77.5 116.3
167 14.7 10.8 16.2





#69

Phenanthrene

Concen: 22.60 ng/ul

RT: 17.09 min Scan# 2465

Delta R.T. -0.00 min

Lab File: BM006262.D

Acq: 05 Jul 2016 17:43

Instrument :

BNA_M

ClientSampleId :

D9Z32

Tgt Ion:178 Resp: 1387271

Ion Ratio Lower Upper

178 100

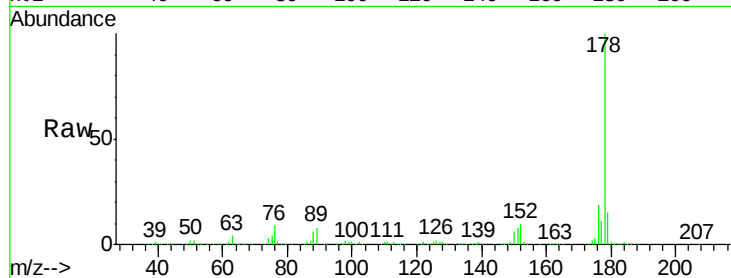
179 15.3 11.9 17.9

176 18.7 15.2 22.8

Manual Integrations

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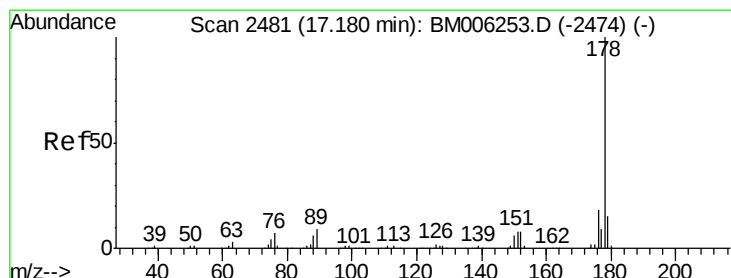
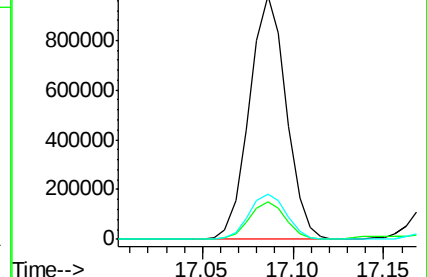
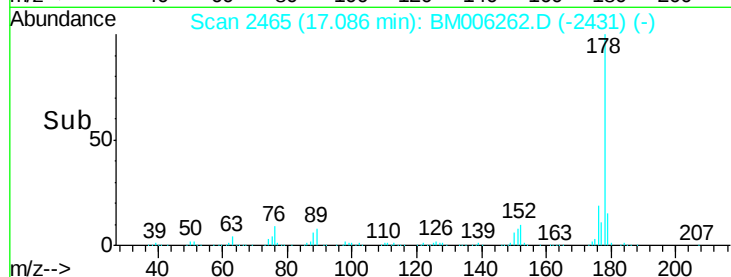
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 3.26 ng/ul

RT: 17.17 min Scan# 2480

Delta R.T. -0.01 min

Lab File: BM006262.D

Acq: 05 Jul 2016 17:43

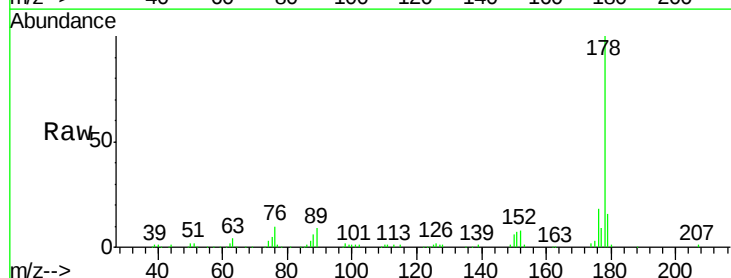
Tgt Ion:178 Resp: 206549

Ion Ratio Lower Upper

178 100

179 15.8 12.0 18.0

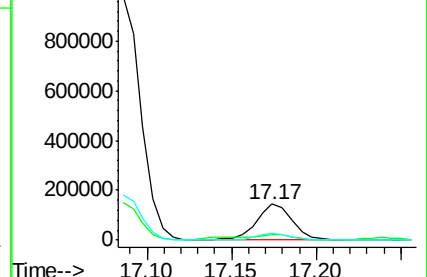
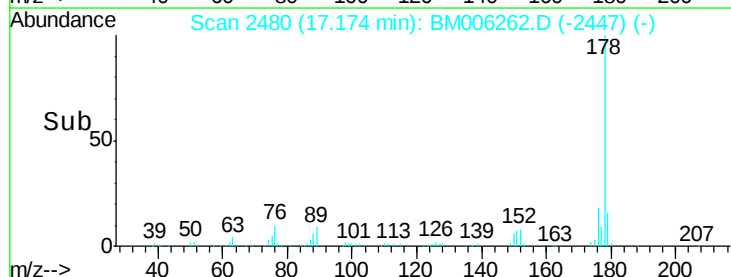
176 18.0 15.0 22.6

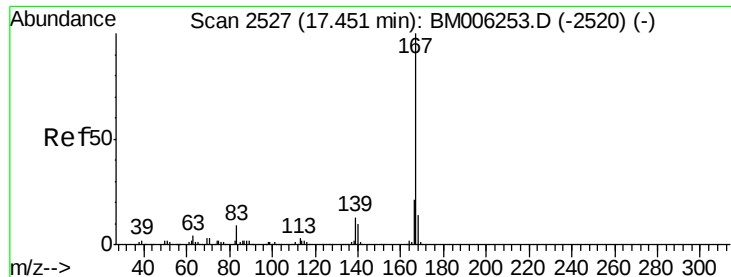


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 4.17 ng/ul

RT: 17.45 min Scan# 2527

Delta R.T. -0.00 min

Lab File: BM006262.D

Acq: 05 Jul 2016 17:43

Instrument :

BNA_M

ClientSampleId :

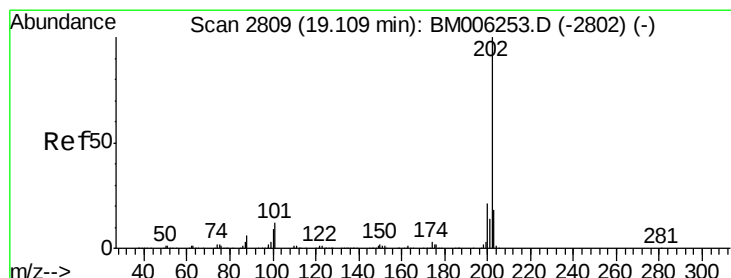
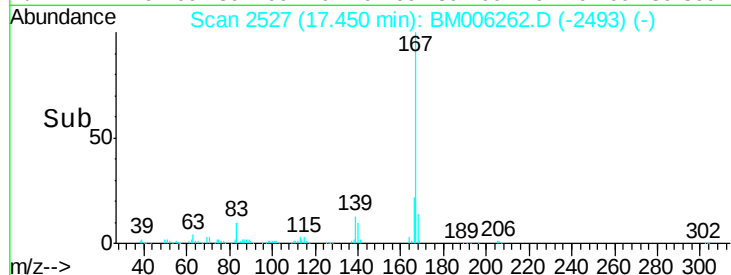
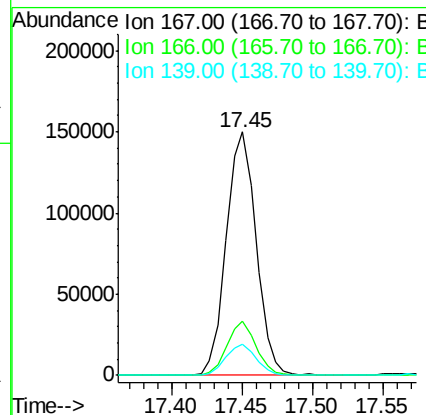
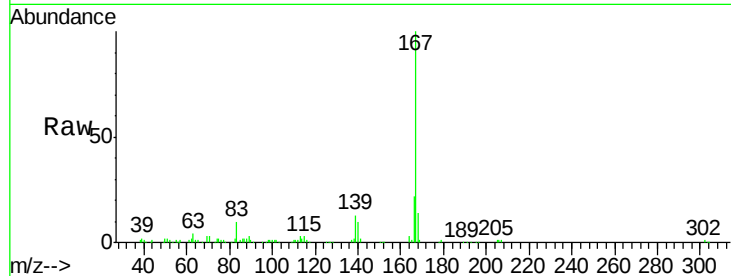
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Tgt Ion:	167	Resp:	221467
Ion Ratio		Lower	Upper
167	100		
166	22.2	17.0	25.6
139	12.7	10.2	15.4

Manual Integrations

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#74

Fluoranthene

Concen: 23.11 ng/ul

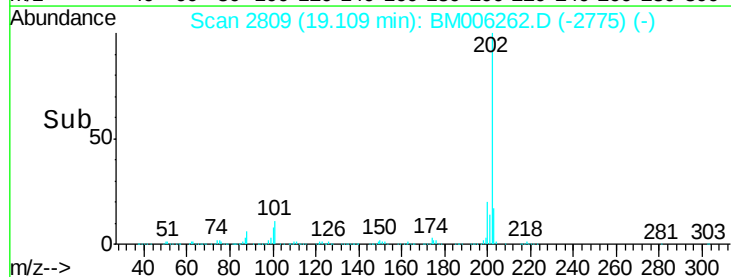
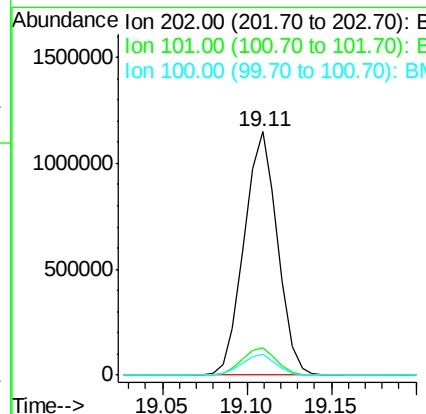
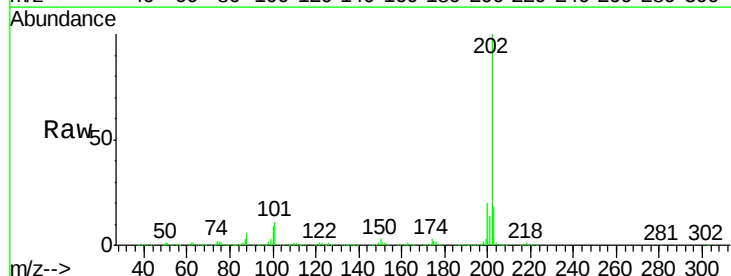
RT: 19.11 min Scan# 2809

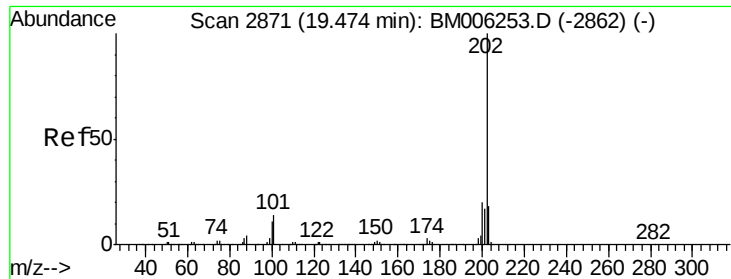
Delta R.T. -0.00 min

Lab File: BM006262.D

Acq: 05 Jul 2016 17:43

Tgt Ion:	202	Resp:	1578974
Ion Ratio		Lower	Upper
202	100		
101	11.2	8.6	12.8
100	8.5	6.4	9.6





#77

Pyrene

Concen: 20.47 ng/ul

RT: 19.47 min Scan# 2871

Delta R.T. -0.00 min

Lab File: BM006262.D

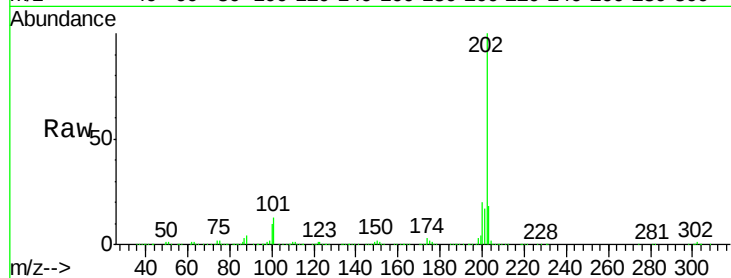
Acq: 05 Jul 2016 17:43

Instrument :

BNA_M

ClientSampleId :

D9Z32



Tgt Ion:202 Resp: 1171416

Ion Ratio Lower Upper

202 100

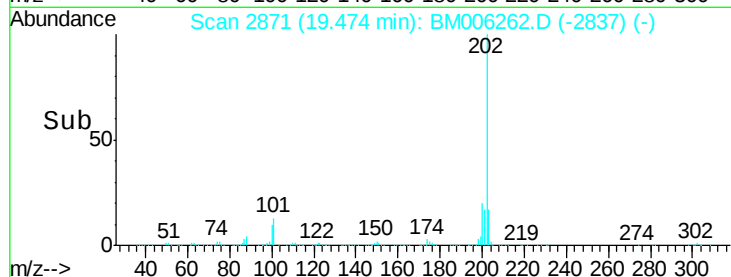
101 13.0 10.0 15.0

100 10.3 7.9 11.9

Manual Integrations

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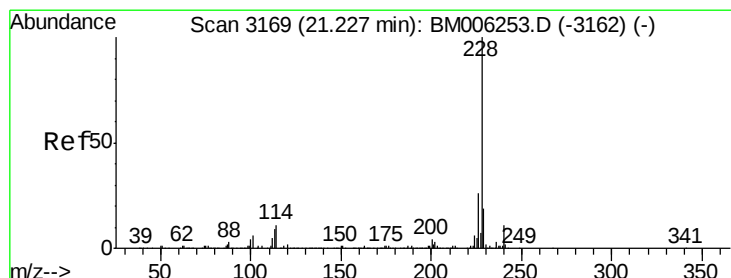
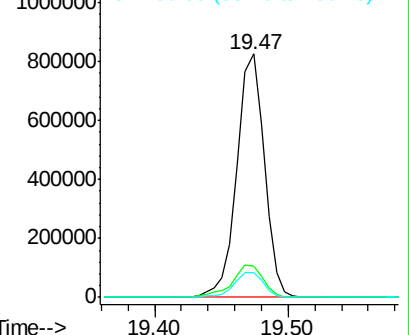
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 9.69 ng/ul

RT: 21.23 min Scan# 3169

Delta R.T. -0.00 min

Lab File: BM006262.D

Acq: 05 Jul 2016 17:43

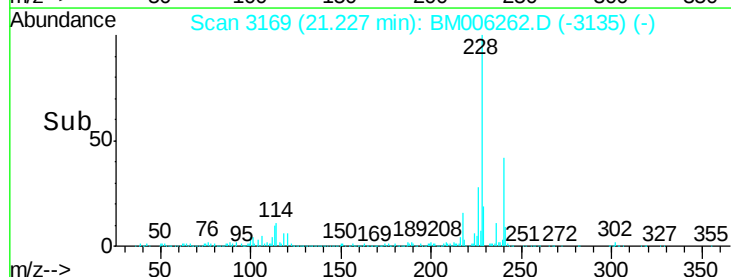
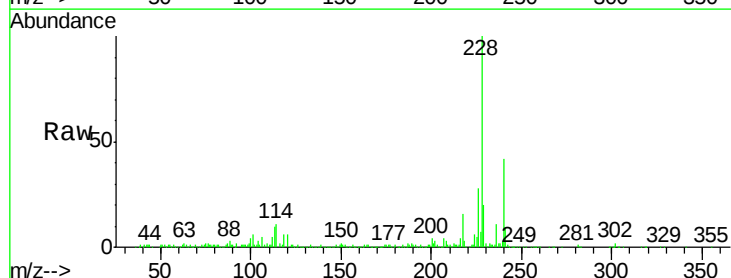
Tgt Ion:228 Resp: 542336

Ion Ratio Lower Upper

228 100

229 19.6 15.6 23.4

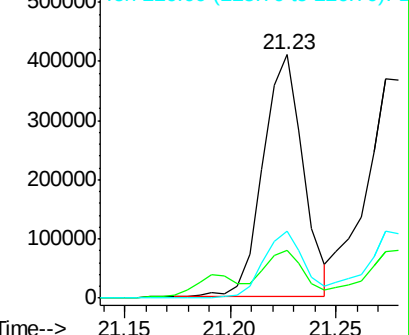
226 27.8 21.4 32.2

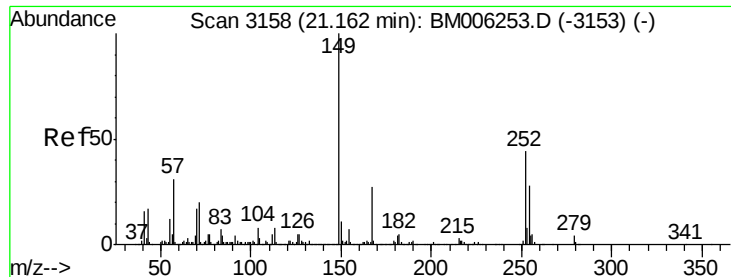


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





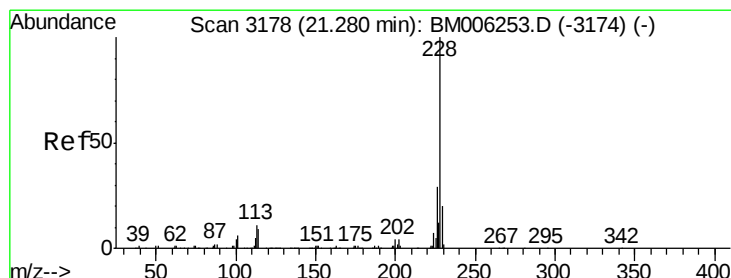
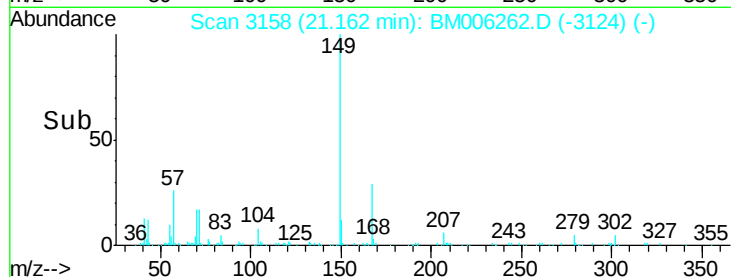
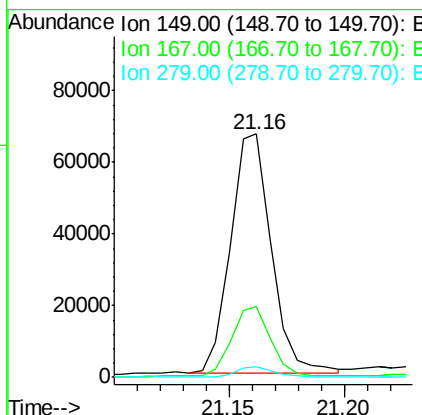
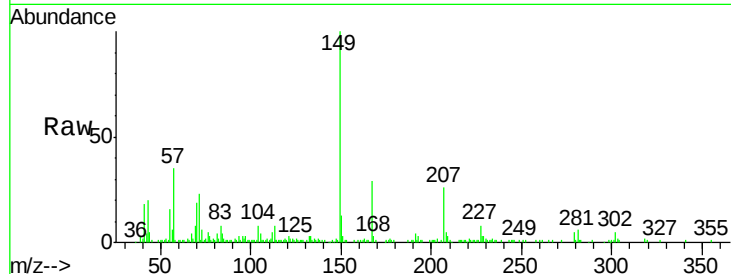
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 2.35 ng/ul
 RT: 21.16 min Scan# 3158
 Delta R.T. -0.00 min
 Lab File: BM006262.D
 Acq: 05 Jul 2016 17:43

Instrument :
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 D9Z32

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.9	22.2	33.2
279	4.5	3.1	4.7

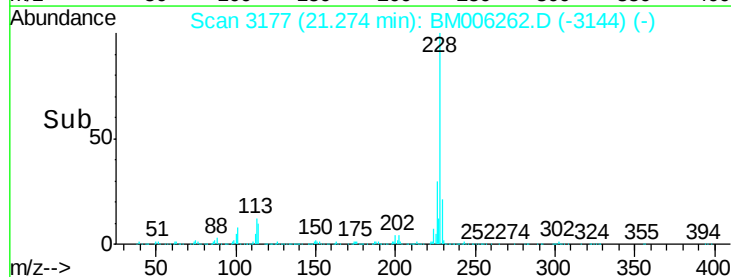
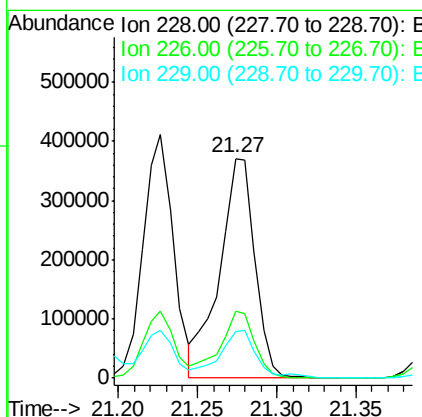
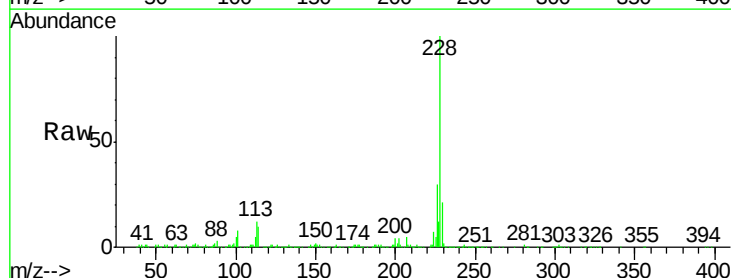
Manual Integrations

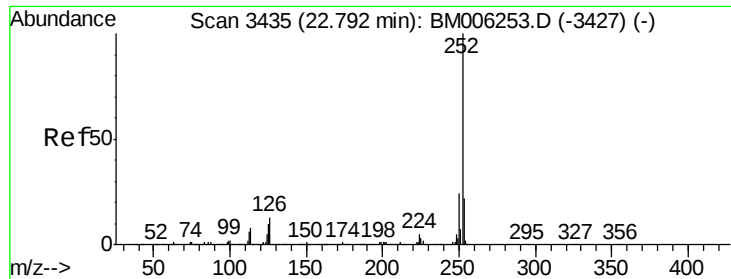
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#82
 Chrysene
 Concen: 11.17 ng/ul
 RT: 21.27 min Scan# 3177
 Delta R.T. -0.01 min
 Lab File: BM006262.D
 Acq: 05 Jul 2016 17:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.3	34.9
229	21.3	15.8	23.8





#85

Benzo(b)fluoranthene

Concen: 13.51 ng/ul

RT: 22.79 min Scan# 3435

Delta R.T. -0.00 min

Lab File: BM006262.D

Acq: 05 Jul 2016 17:43

Instrument :

BNA_M

ClientSampleId :

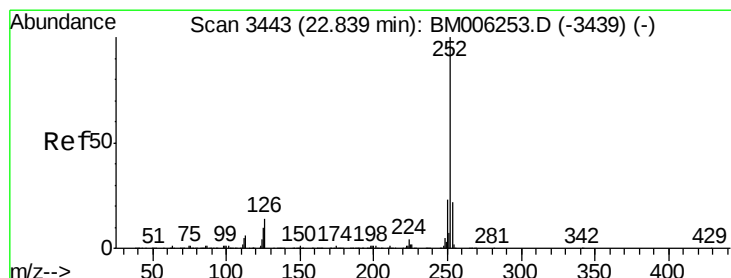
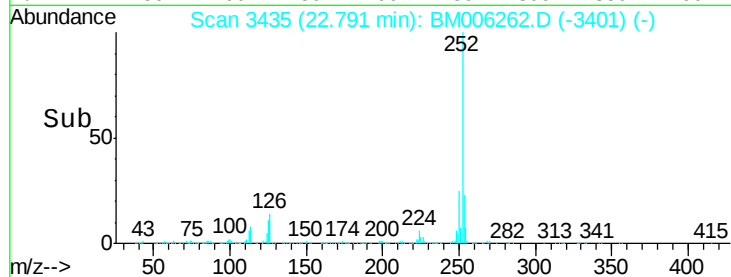
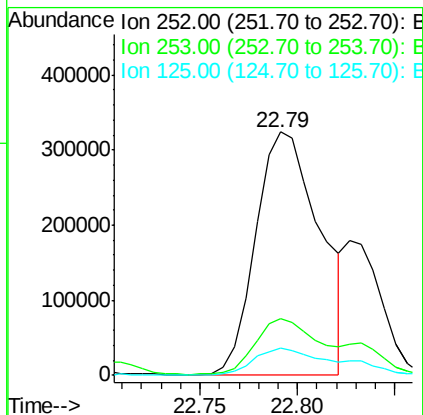
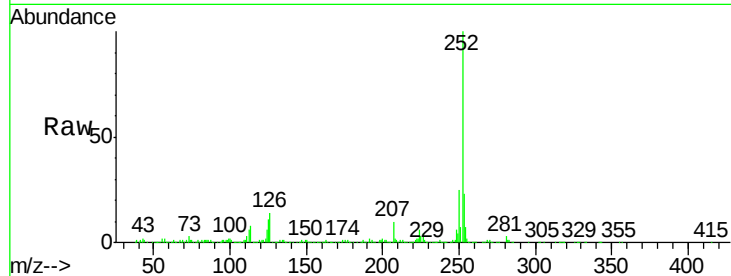
D9Z32

Tgt Ion:	252	Resp:	736825
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.4	26.2
125	11.2	6.7	10.1#

Manual Integrations

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#86

Benzo(k)fluoranthene

Concen: 4.55 ng/ul m

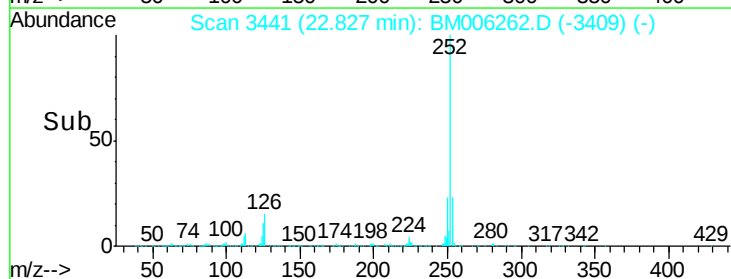
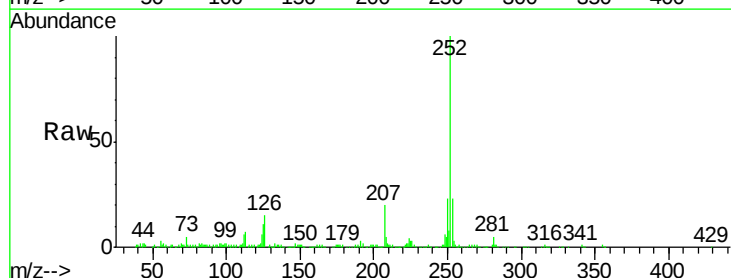
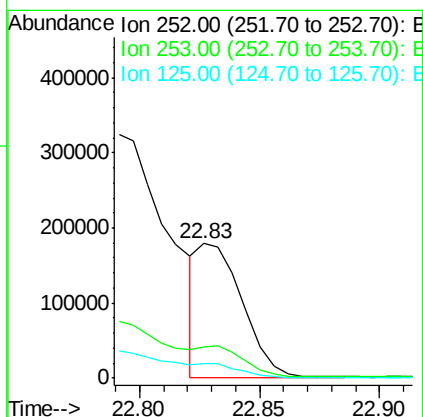
RT: 22.83 min Scan# 3441

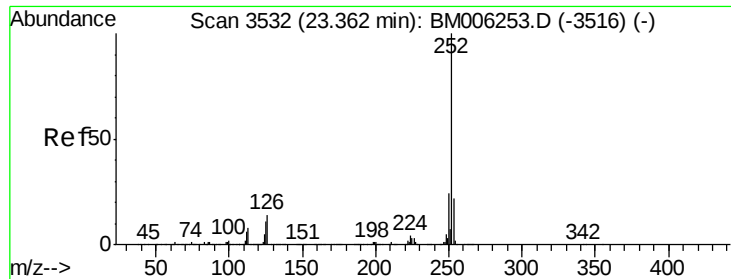
Delta R.T. -0.01 min

Lab File: BM006262.D

Acq: 05 Jul 2016 17:43

Tgt Ion:	252	Resp:	230672
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.3	25.9
125	11.0	7.0	10.4#





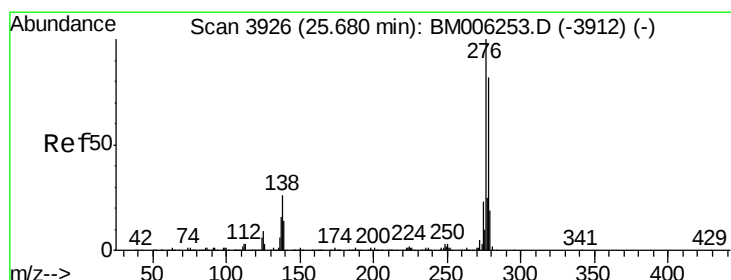
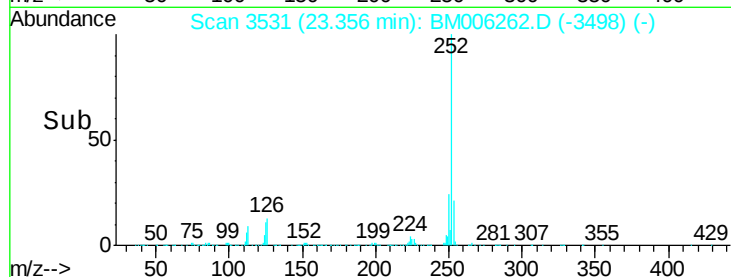
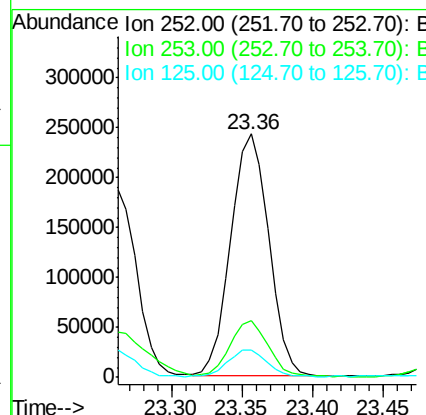
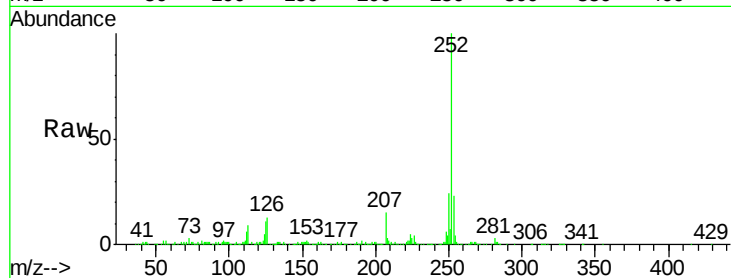
#88
Benzo(a)pyrene
Concen: 8.67 ng/ul
RT: 23.36 min Scan# 3531
Delta R.T. -0.01 min
Lab File: BM006262.D
Acq: 05 Jul 2016 17:43

Instrument :
BNA_M
ClientSampleId :
D9Z32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	11.3	7.6	11.4

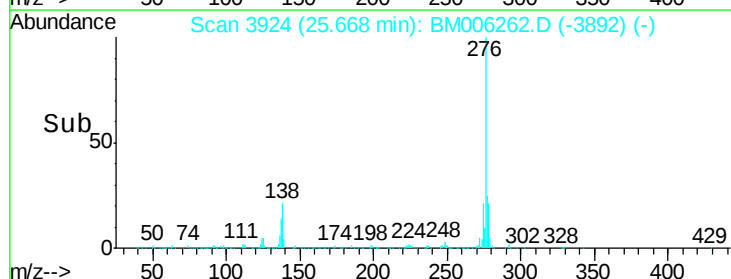
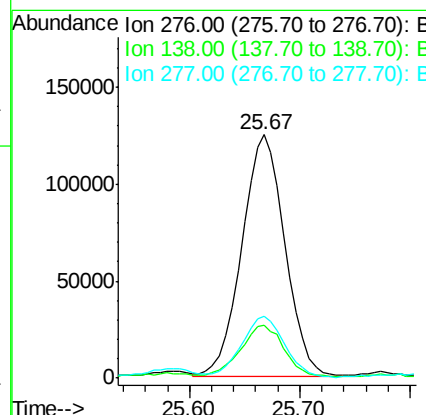
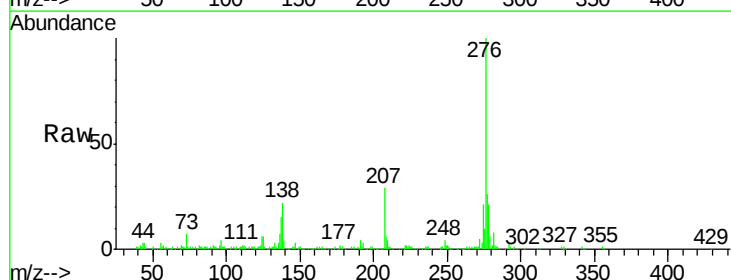
Manual Integrations

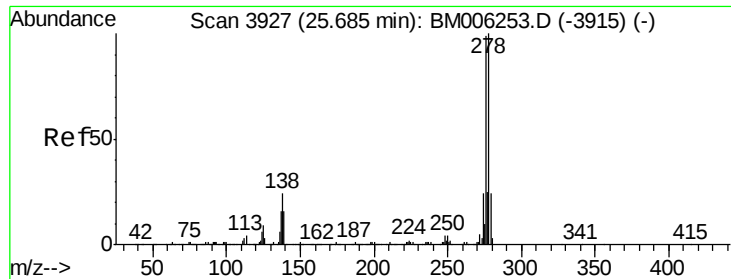
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#89
Indeno(1,2,3-cd)pyrene
Concen: 5.63 ng/ul
RT: 25.67 min Scan# 3924
Delta R.T. -0.01 min
Lab File: BM006262.D
Acq: 05 Jul 2016 17:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.6	17.8	26.6
277	25.6	20.1	30.1





#90

Dibenzo(a,h)anthracene

Concen: 1.74 ng/ul

RT: 25.67 min Scan# 3925

Delta R.T. -0.01 min

Lab File: BM006262.D

Acq: 05 Jul 2016 17:43

Instrument :

BNA_M

ClientSampleId :

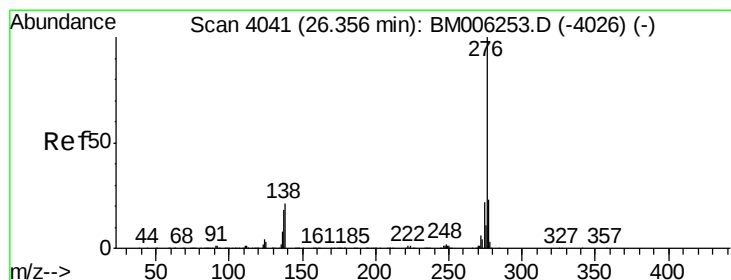
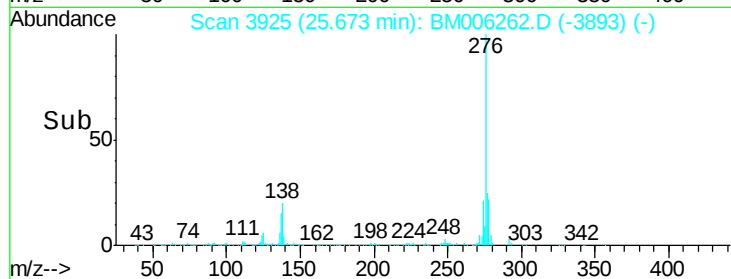
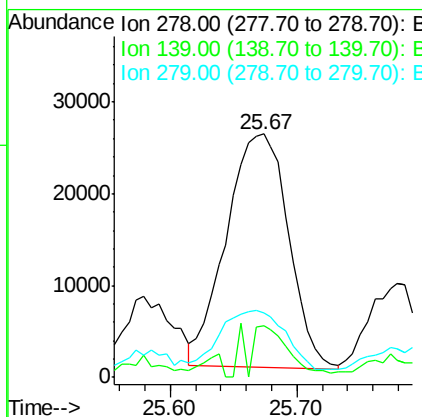
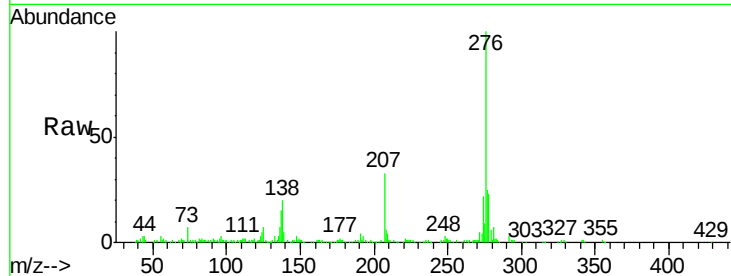
D9Z32

Tgt Ion:	278	Resp:	86562
Ion Ratio	Lower	Upper	
278	100		
139	21.0	11.7	17.5#
279	26.6	19.2	28.8

Manual Integrations

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#91

Benzo(g,h,i)perylene

Concen: 5.89 ng/ul

RT: 26.34 min Scan# 4039

Delta R.T. -0.01 min

Lab File: BM006262.D

Acq: 05 Jul 2016 17:43

Tgt Ion:	276	Resp:	306872
Ion Ratio	Lower	Upper	
276	100		
138	21.3	15.0	22.4
277	23.5	19.0	28.4

