

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
 Data File : BM002798.D
 Acq On : 01 Oct 2015 01:01
 Operator : UM/IZ
 Sample : G3798-22
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G74

Manual Integrations
 APPROVED

MMDadoda
 10/1/2015 4:43:31 PM

Quant Time: Oct 01 08:48:11 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM092915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 01 07:01:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.70	152	88524	20.00	ng/ul	0.00
18) Naphthalene-d8	11.56	136	364736	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.30	164	164441	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.01	188	293346	20.00	ng/ul	0.00
78) Chrysene-d12	22.10	240	278548	20.00	ng/ul	0.00
86) Perylene-d12	24.70	264	305185	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.77	96	5840	3.06	ng/uL	0.00
5) Phenol-d5	7.82	99	122125	18.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.99	67	68676	18.20	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	112064	17.95	ng/ul	0.00
13) 4-Methylphenol-d8	9.40	113	96716	17.49	ng/ul	0.00
19) Nitrobenzene-d5	9.90	128	51721	18.59	ng/ul	0.00
22) 2-Nitrophenol-d4	10.63	143	53971	18.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.17	165	90381m	17.62	ng/ul	0.00
29) 4-Chloroaniline-d4	11.69	131	105720	17.12	ng/ul	0.00
44) Dimethylphthalate-d6	14.67	166	245472	19.84	ng/ul	0.00
47) Acenaphthylene-d8	15.00	160	318025	19.26	ng/ul	0.00
52) 4-Nitrophenol-d4	15.47	143	29244	13.31	ng/ul	0.00
58) Fluorene-d10	16.27	176	200280	17.97	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.40	200	6004	4.20	ng/ul	0.00
71) Anthracene-d10	18.11	188	268050	19.15	ng/ul	0.00
79) Pyrene-d10	20.34	212	254745	19.59	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.53	264	300394	19.24	ng/ul	0.01

Target Compounds

						Ovalue
45) Dimethylphthalate	14.72	163	157513	12.52	ng/ul	99
50) Acenaphthene	15.36	153	27166	2.36	ng/ul	98
54) Dibenzofuran	15.69	168	22473	1.44	ng/ul	98
59) Fluorene	16.33	166	35118	2.75	ng/ul	95
70) Phenanthrene	18.06	178	938940	55.33	ng/ul	100
72) Anthracene	18.14	178	106503	6.17	ng/ul	99
75) Carbazole	18.40	167	103528	6.86	ng/ul	99
76) Di-n-butylphthalate	18.89	149	19615	1.02	ng/ul#	94
77) Fluoranthene	20.02	202	1748566	99.80	ng/ul	100
80) Pyrene	20.37	202	1331109	75.23	ng/ul	99
83) Benzo(a)anthracene	22.08	228	583444	35.24	ng/ul	100
84) Bis(2-ethylhexyl)phthalate	21.92	149	52124	4.36	ng/ul	98
85) Chrysene	22.14	228	689694	44.16	ng/ul	96
88) Benzo(b)fluoranthene	23.90	252	948482	51.73	ng/ul	99
89) Benzo(k)fluoranthene	23.94	252	304852m	17.56	ng/ul	
91) Benzo(a)pyrene	24.59	252	594771	33.77	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	27.43	276	473309	23.04	ng/ul#	92
93) Dibenzo(a,h)anthracene	27.43	278	113950	6.57	ng/ul#	78
94) Benzo(g,h,i)perylene	28.29	276	429986	24.86	ng/ul	97

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

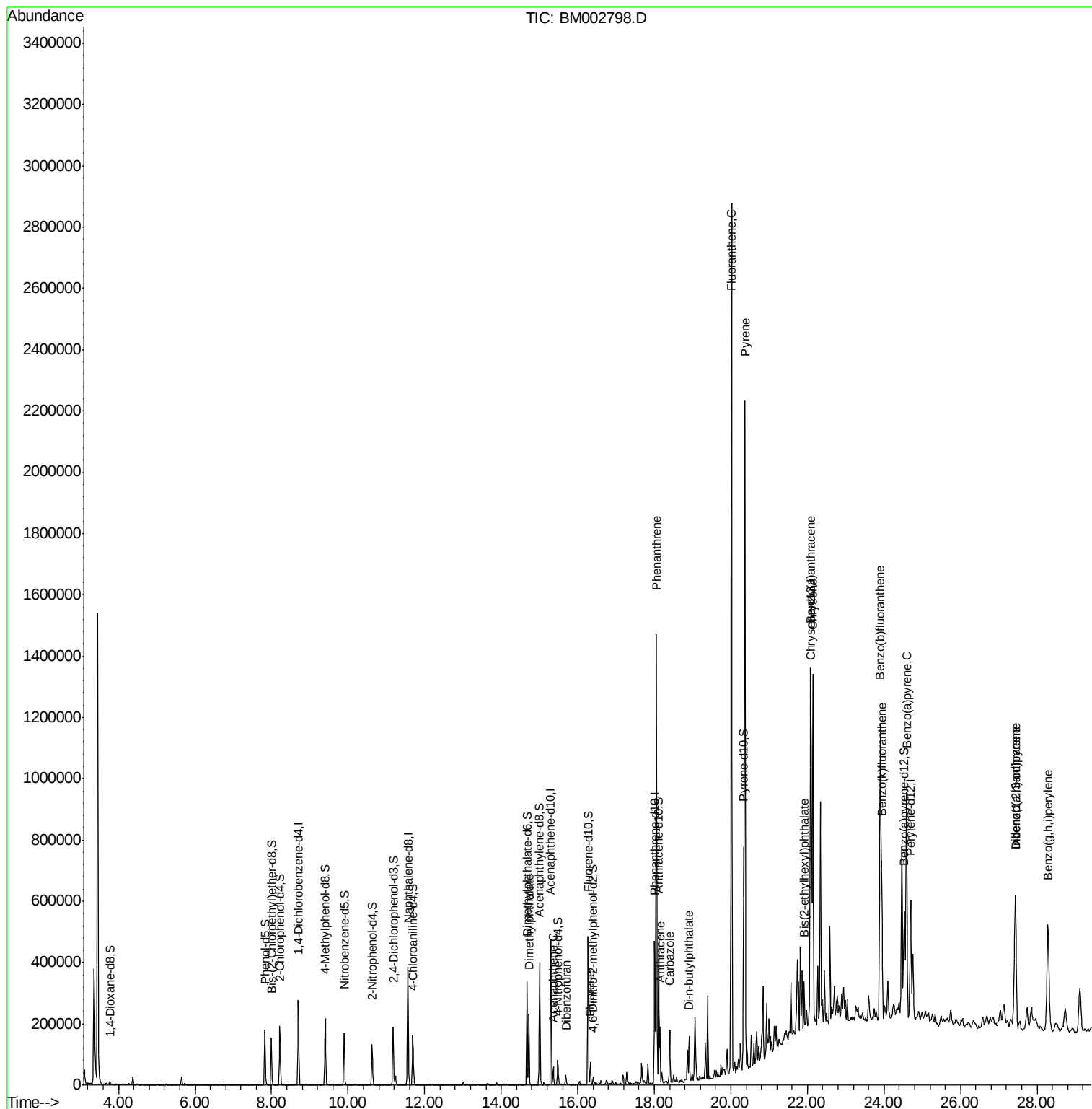
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002798.D
Acq On : 01 Oct 2015 01:01
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Misc :
ALS Vial : 14 Sample Multiplier: 1

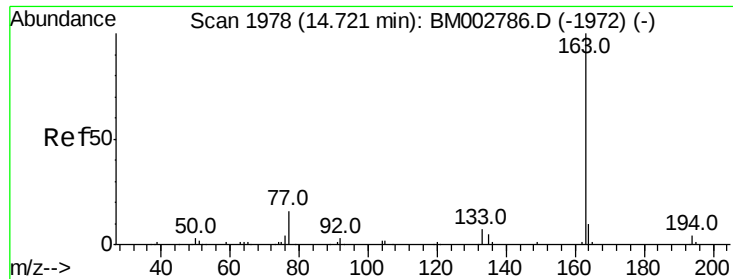
Instrument :
BNA_M
ClientSampleId :
D9G74

Manual Integrations
APPROVED

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Quant Title : SVOA CALIBRATION
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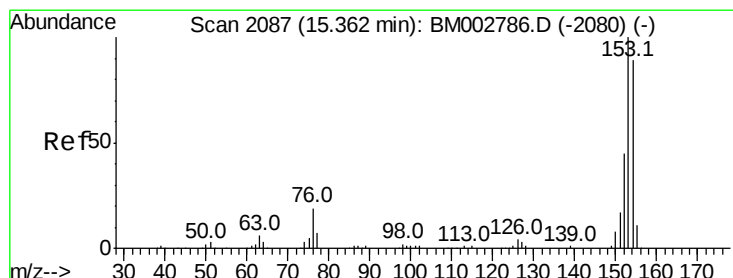
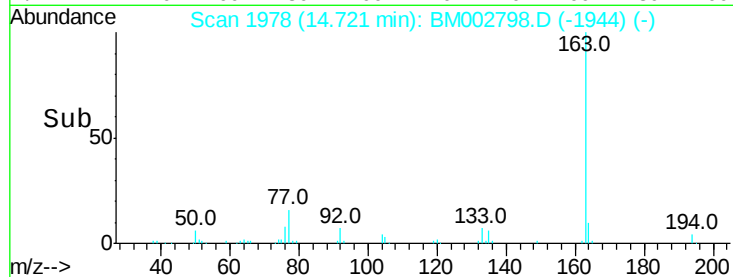
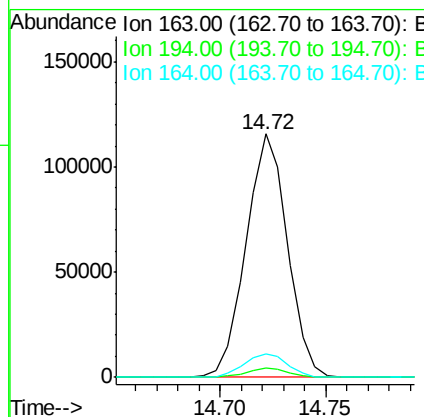
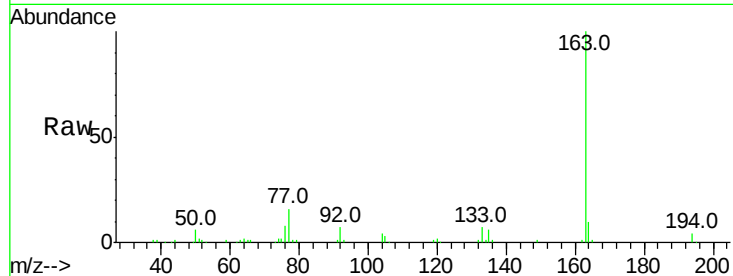
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Dimethylphthalate
Concen: 12.52 ng/ul
RT: 14.72 min Scan# 1978
Delta R.T. 0.00 min
Lab File: BM002798.D
Acq: 01 Oct 2015 01:01

Instrument :
BNA_M
ClientSampleId :
D9G74

Tot Ion	Ratio	Resp	Lower	Upper
163	100	157513		
194	4.1	3.2	4.8	
164	9.6	8.1	12.1	

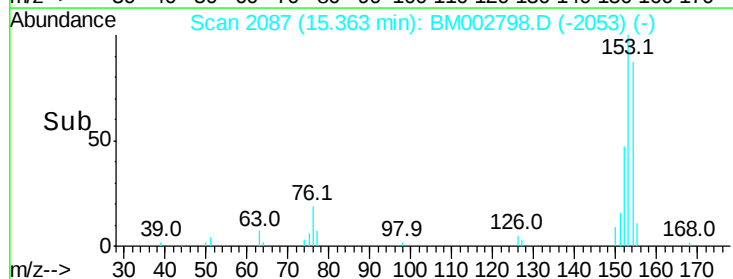
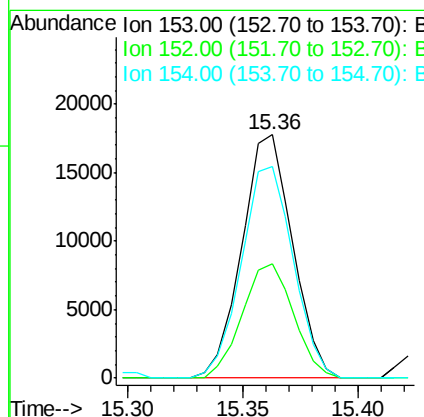
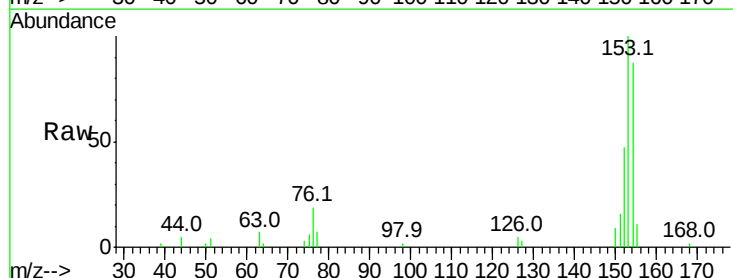
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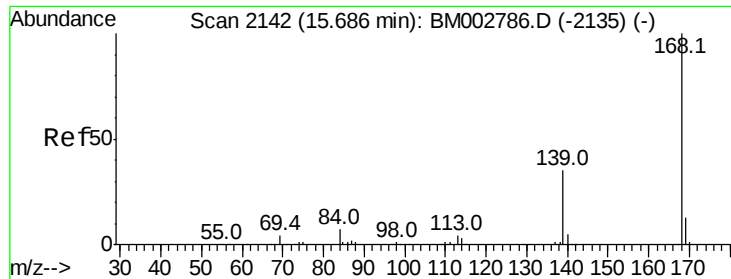
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#50
Acenaphthene
Concen: 2.36 ng/ul
RT: 15.36 min Scan# 2087
Delta R.T. 0.00 min
Lab File: BM002798.D
Acq: 01 Oct 2015 01:01

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	27166		
152	46.8	37.2	55.8	
154	87.0	71.9	107.9	





#54

Dibenzenofuran

Concen: 1.44 ng/ul

RT: 15.69 min Scan# 2142

Delta R.T. 0.00 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

Instrument :

BNA_M

ClientSampleId :

D9G74

Tot Ion:168 Resp: 22473

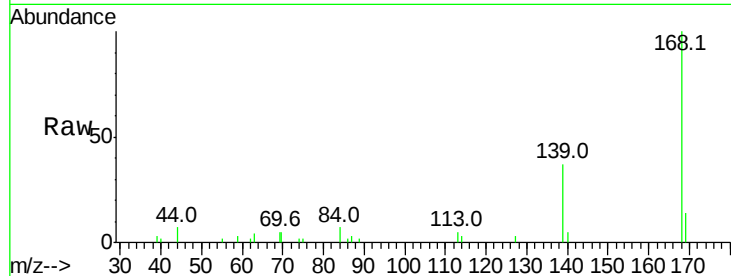
Ion Ratio Lower Upper

168 100

139 37.0 28.7 43.1

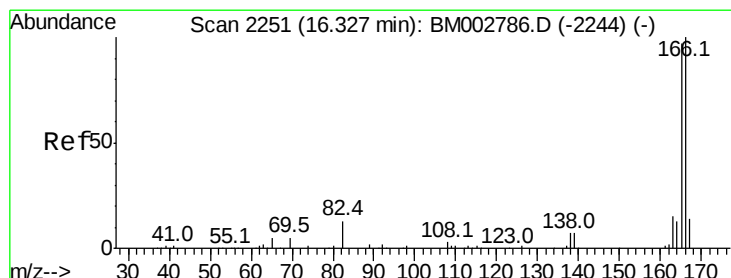
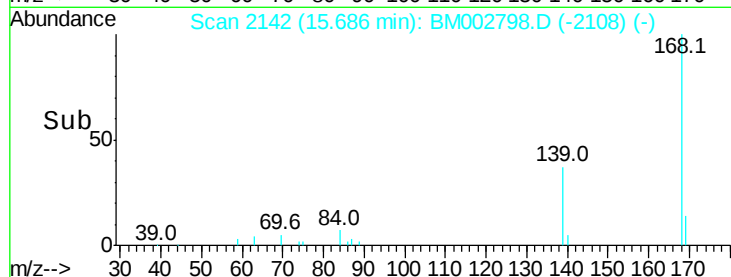
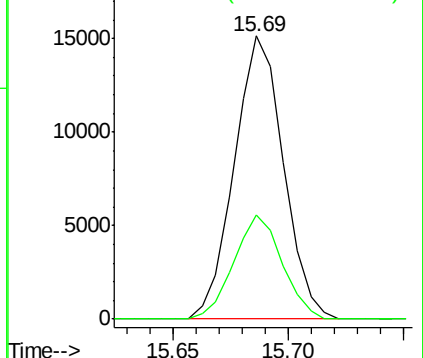
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 2.75 ng/ul

RT: 16.33 min Scan# 2251

Delta R.T. 0.00 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

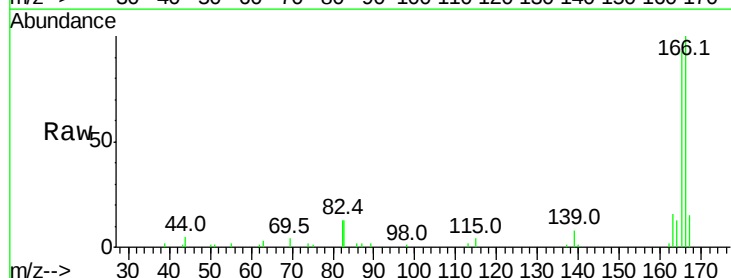
Tgt Ion:166 Resp: 35118

Ion Ratio Lower Upper

166 100

165 93.1 78.0 117.0

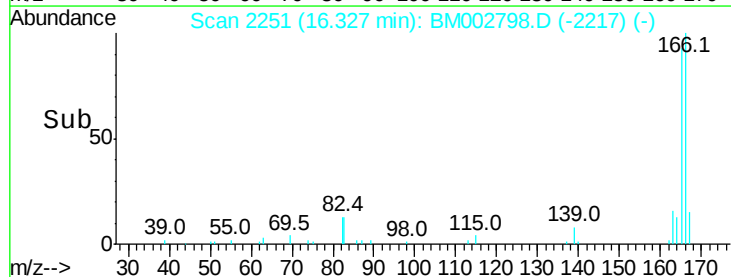
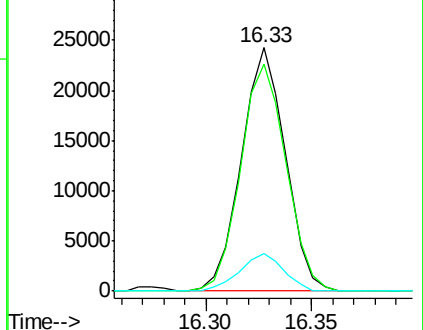
167 15.3 10.6 16.0

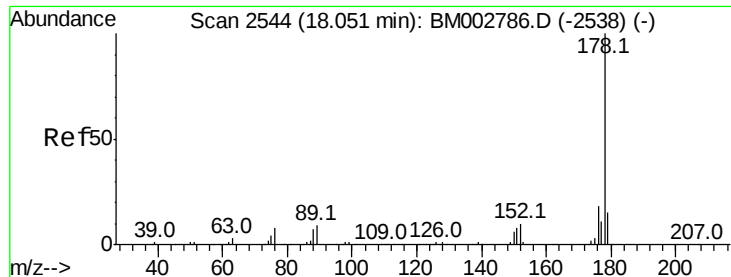


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





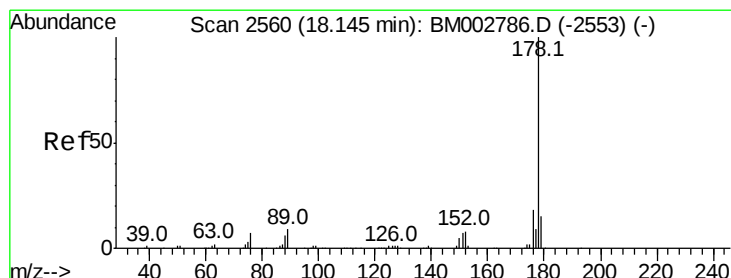
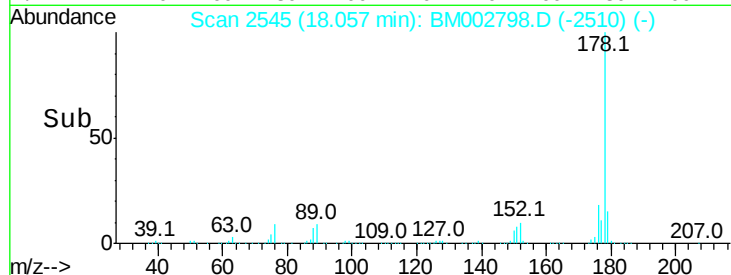
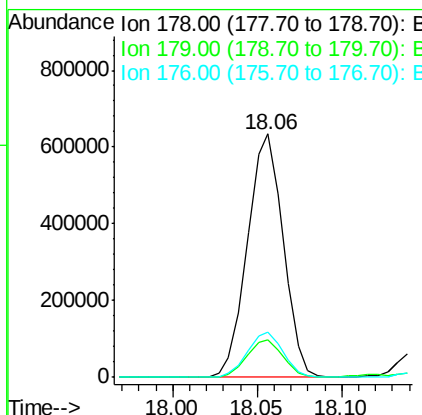
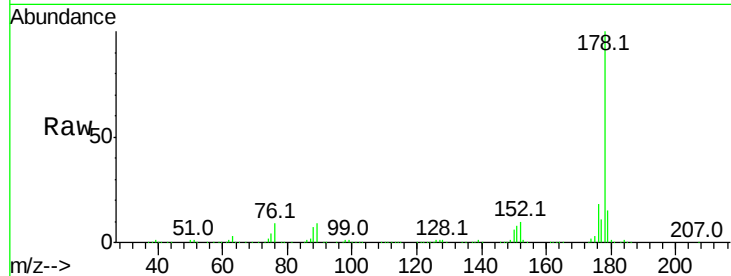
#70
Phenanthrene
Concen: 55.33 ng/ul
RT: 18.06 min Scan# 2545
Delta R.T. 0.01 min
Lab File: BM002798.D
Acq: 01 Oct 2015 01:01

Instrument :
BNA_M
ClientSampleId :
D9G74

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.0	18.0
176	18.3	14.6	22.0

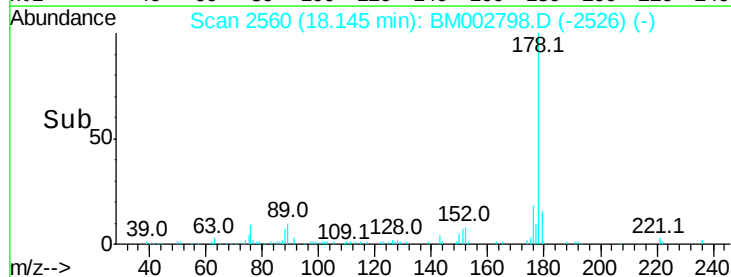
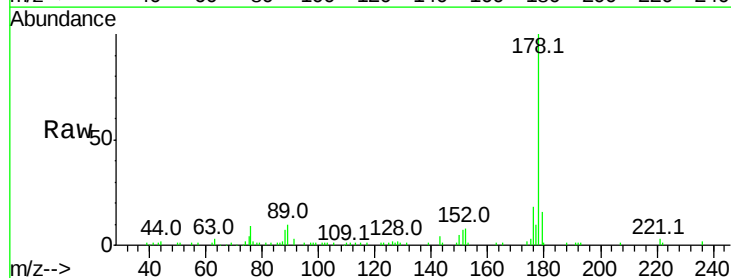
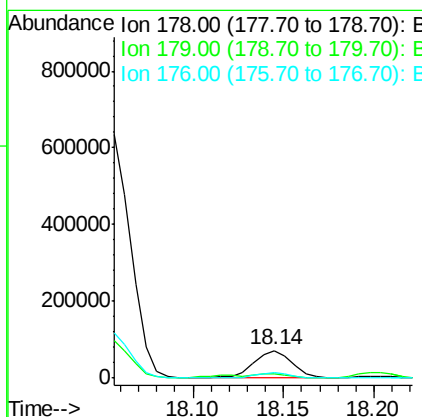
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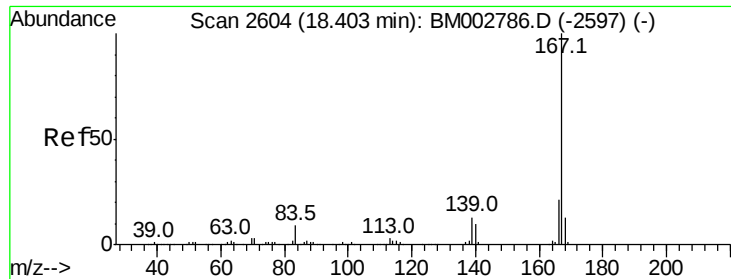
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#72
Anthracene
Concen: 6.17 ng/ul
RT: 18.14 min Scan# 2560
Delta R.T. 0.00 min
Lab File: BM002798.D
Acq: 01 Oct 2015 01:01

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.9	17.9
176	18.2	14.4	21.6





#75

Carbazole

Concen: 6.86 ng/ul

RT: 18.40 min Scan# 2604

Delta R.T. 0.00 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

Instrument :

BNA_M

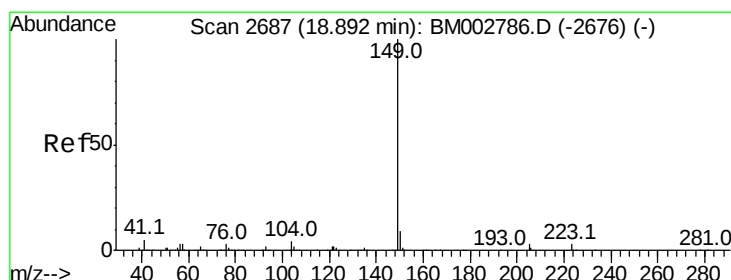
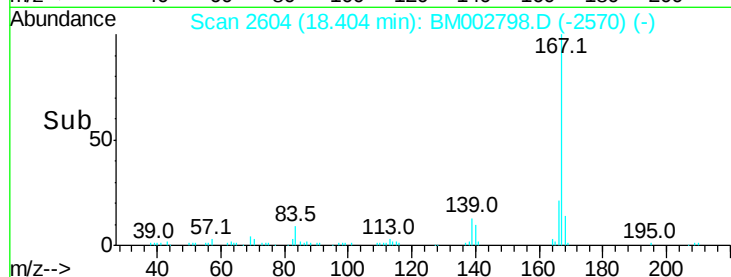
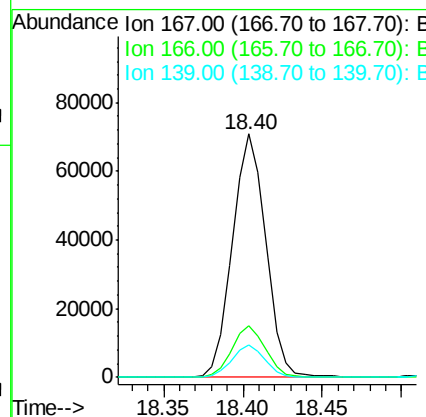
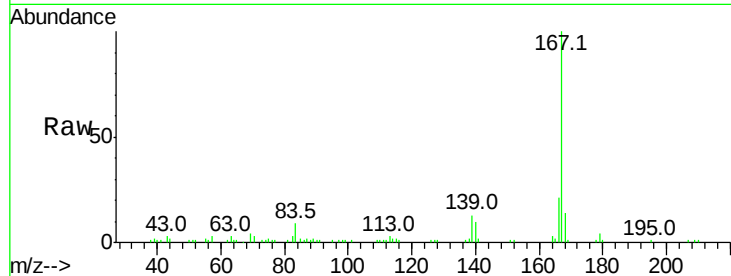
ClientSampleId :

D9G74

Tot Ion:	167	Resp:	103528
Ion Ratio	Lower	Upper	
167	100		
166	21.2	16.8	25.2
139	13.1	10.1	15.1

Manual Integrations
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#76

Di-n-butylphthalate

Concen: 1.02 ng/ul

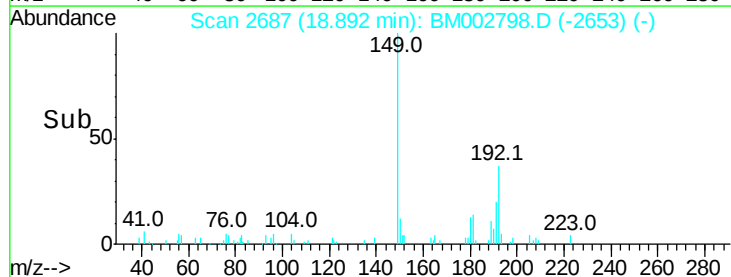
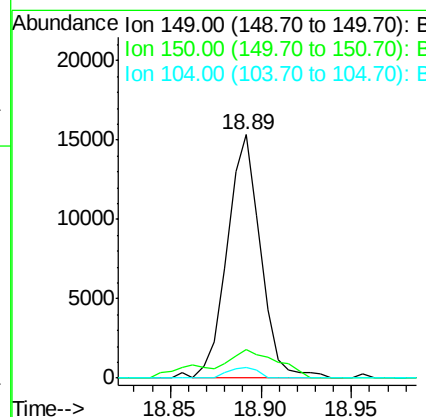
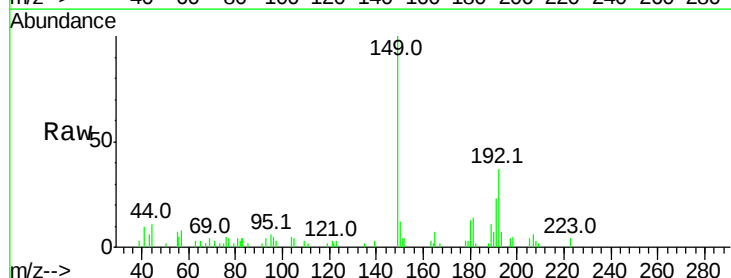
RT: 18.89 min Scan# 2687

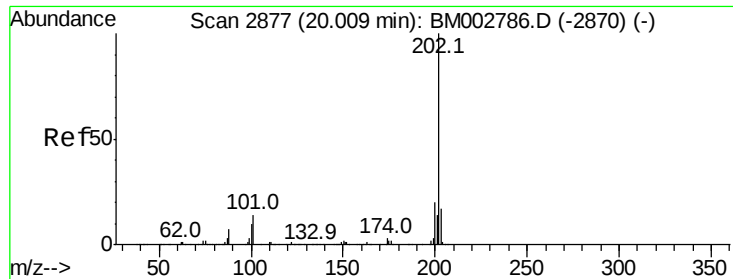
Delta R.T. 0.00 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

Tgt Ion:	149	Resp:	19615
Ion Ratio	Lower	Upper	
149	100		
150	11.7	7.1	10.7#
104	4.6	3.3	4.9





#77

Fluoranthene

Concen: 99.80 ng/ul

RT: 20.02 min Scan# 2878

Delta R.T. 0.01 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

Instrument :

BNA_M

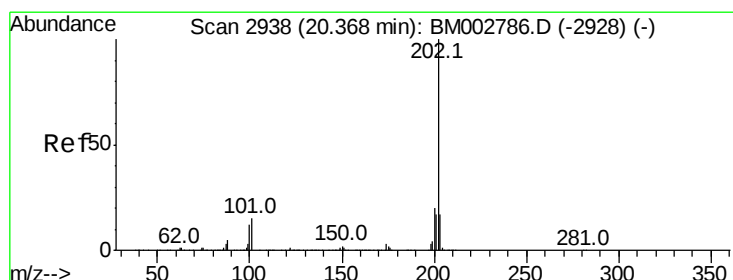
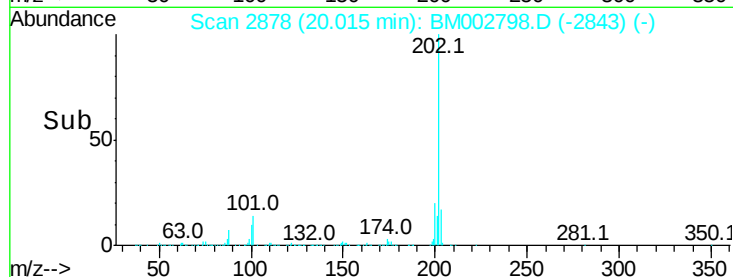
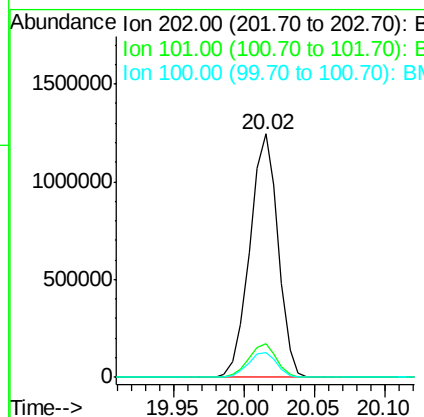
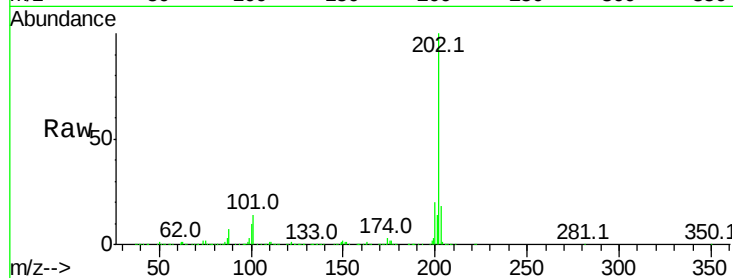
ClientSampleId :

D9G74

Tot Ion:	202	Resp:	1748566
Ion	Ratio	Lower	Upper
202	100		
101	13.6	11.0	16.4
100	10.3	8.3	12.5

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#80

Pyrene

Concen: 75.23 ng/ul

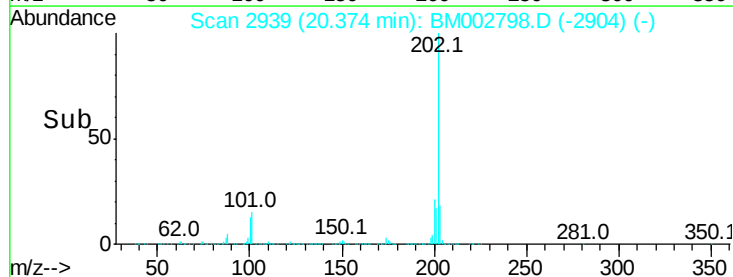
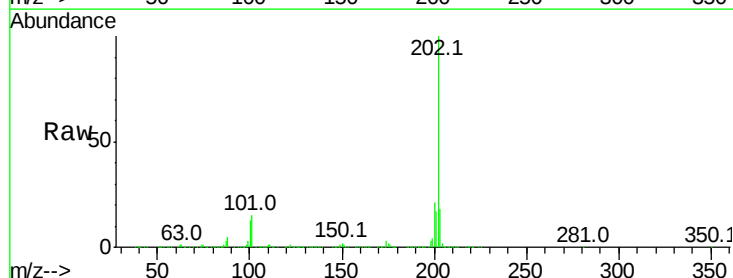
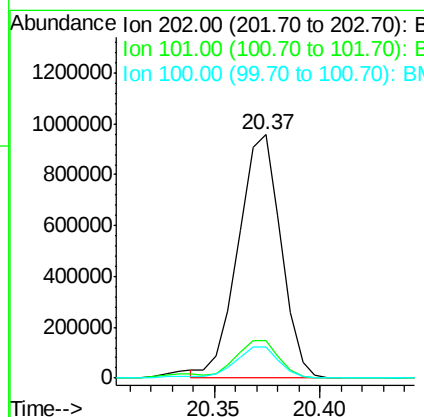
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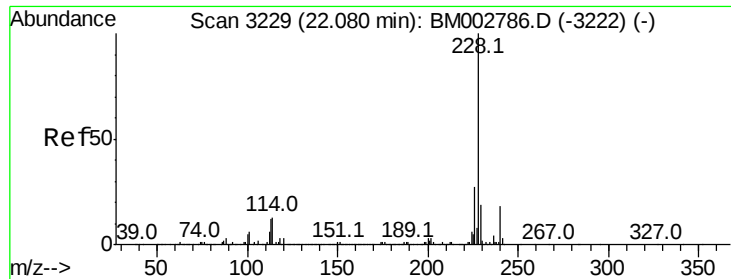
Delta R.T. 0.01 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

Tgt Ion:	202	Resp:	1331109
Ion	Ratio	Lower	Upper
202	100		
101	15.4	12.1	18.1
100	12.5	10.2	15.4





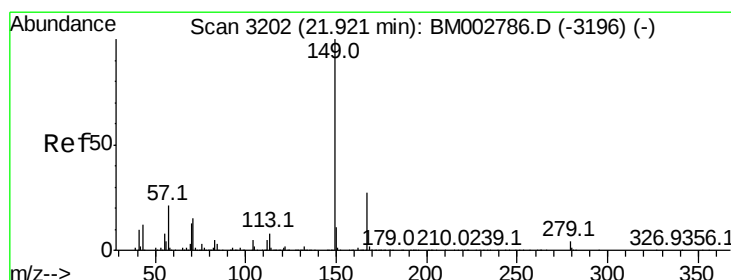
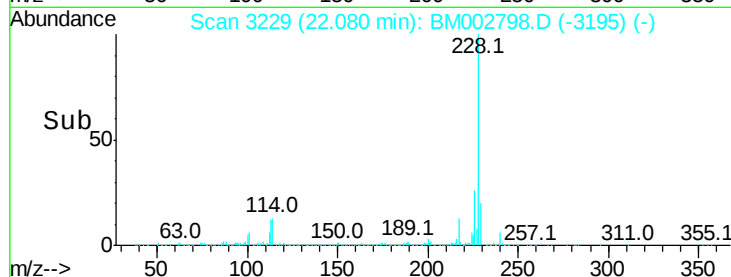
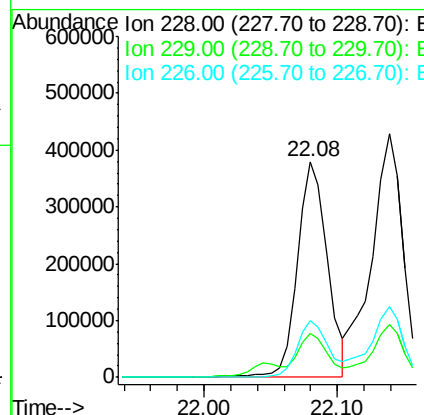
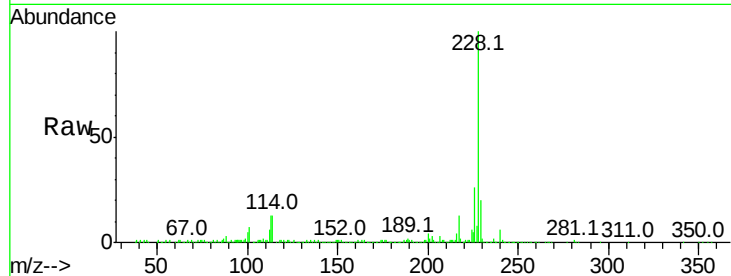
#83
Benzo(a)anthracene
Concen: 35.24 ng/ul
RT: 22.08 min Scan# 3229
Delta R.T. 0.00 min
Lab File: BM002798.D
Acq: 01 Oct 2015 01:01

Instrument :
BNA_M
ClientSampled :
D9G74

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.3	16.1	24.1
226	26.2	20.9	31.3

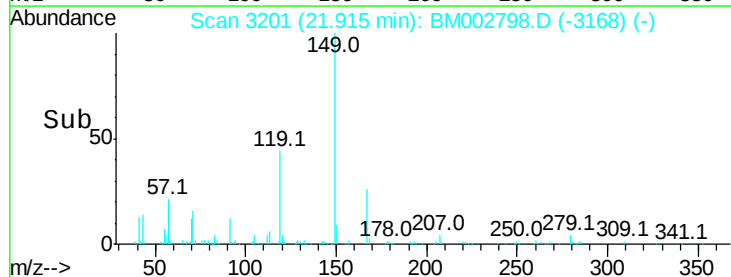
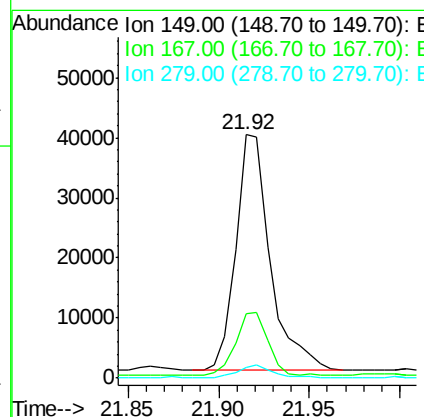
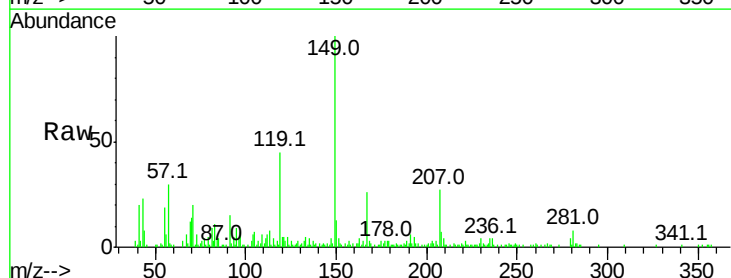
Manual Integrations
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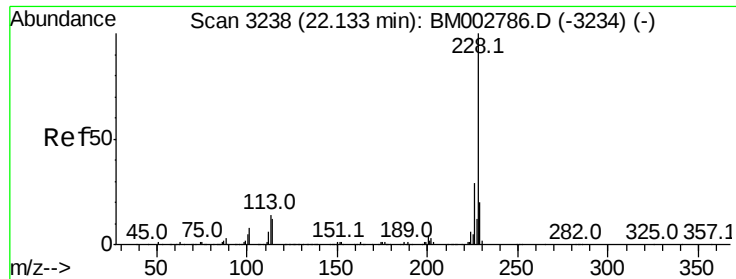
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#84
Bis(2-ethylhexyl)phthalate
Concen: 4.36 ng/ul
RT: 21.92 min Scan# 3201
Delta R.T. -0.01 min
Lab File: BM002798.D
Acq: 01 Oct 2015 01:01

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.7	32.5
279	4.4	3.0	4.6





#85

Chrvsene

Concen: 44.16 ng/ul

RT: 22.14 min Scan# 3239

Delta R.T. 0.01 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

Instrument :

BNA_M

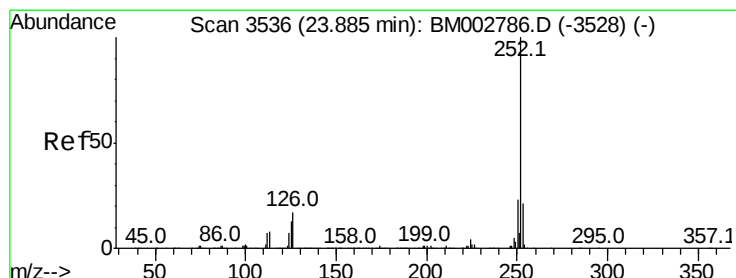
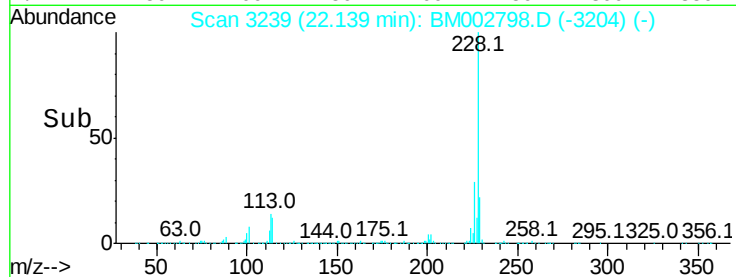
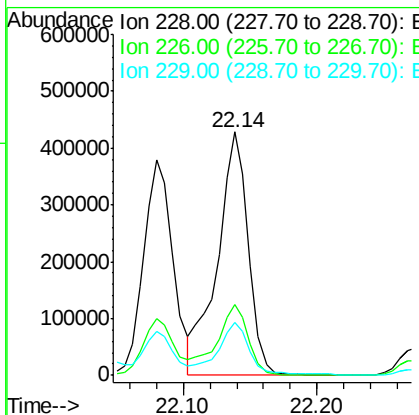
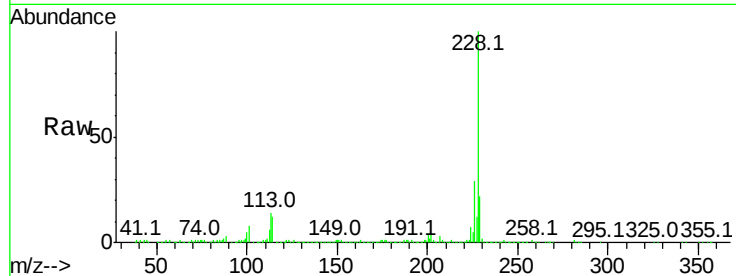
ClientSampled :

D9G74

Tot Ion	Ratio	Resp	Lower	Upper
228	100	689694		
226	29.1		22.4	33.6
229	22.0		15.4	23.2

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10/1/2015 4:43:31 PM



#88

Benzo(b)fluoranthene

Concen: 51.73 ng/ul

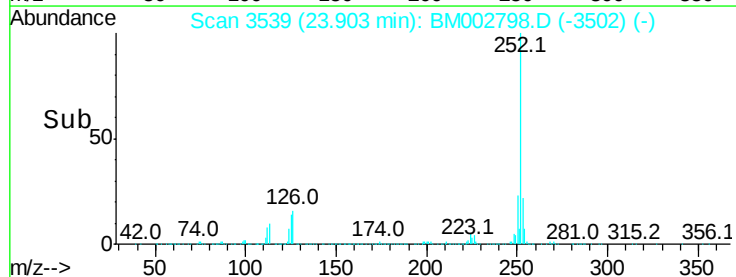
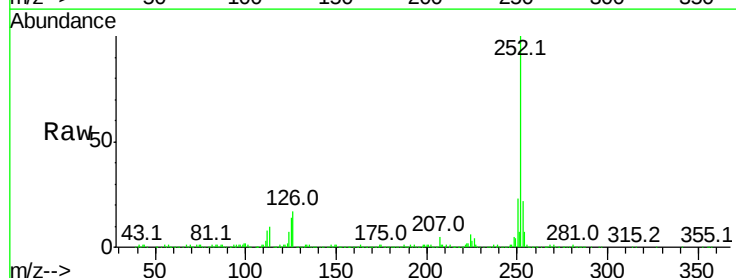
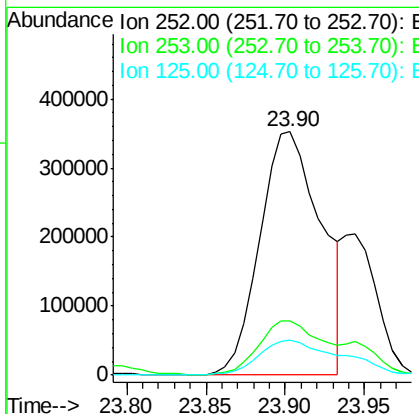
RT: 23.90 min Scan# 3539

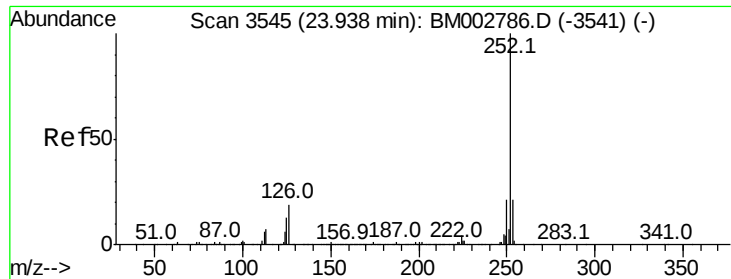
Delta R.T. 0.02 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	948482		
253	22.3		17.6	26.4
125	14.2		10.6	15.8





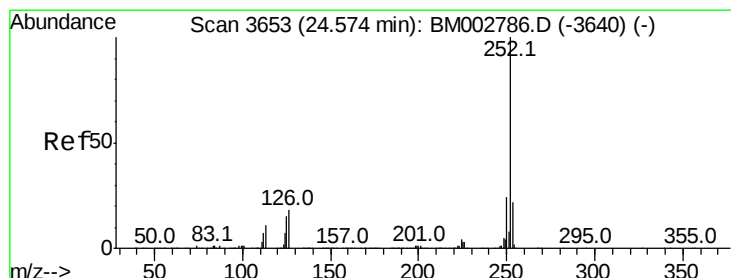
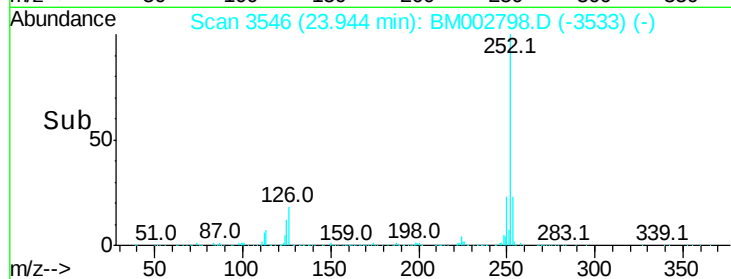
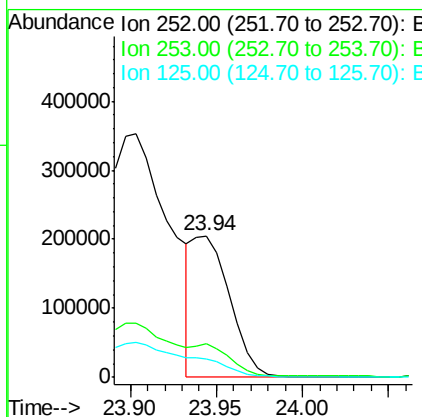
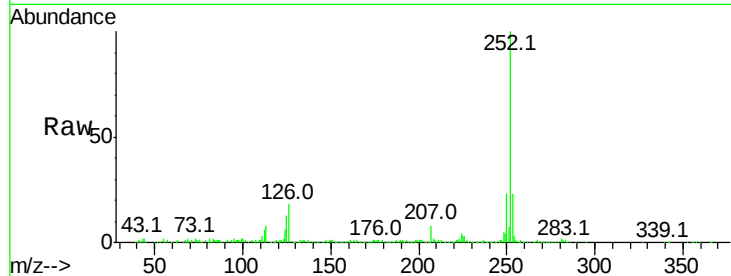
#89
Benzo(k)fluoranthene
Concen: 17.56 ng/ul m
RT: 23.94 min Scan# 3546
Delta R.T. 0.01 min
Lab File: BM002798.D
Acq: 01 Oct 2015 01:01

Instrument :
BNA_M
ClientSampleId :
D9G74

Tot Ion	Ratio	Resp	Lower	Upper
252	100	304852		
253	23.4	17.3	25.9	
125	13.4	10.0	15.0	

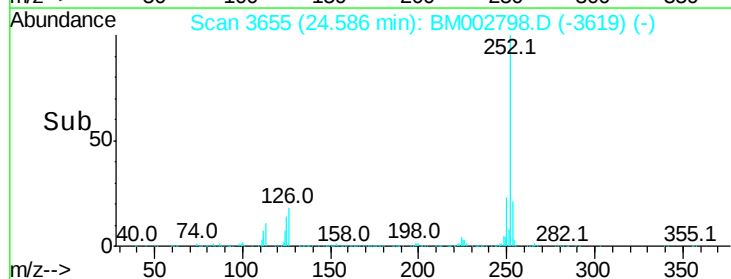
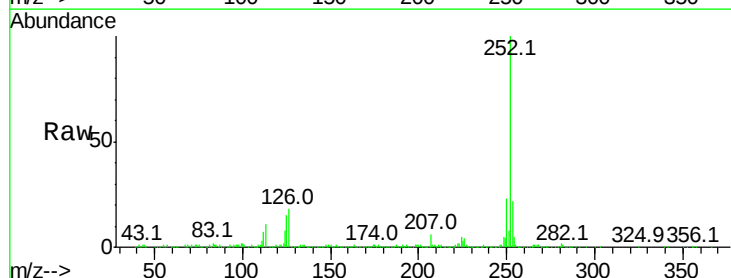
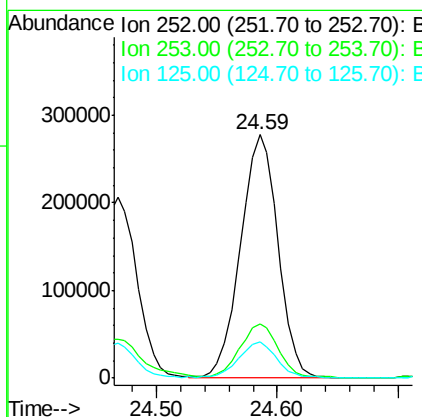
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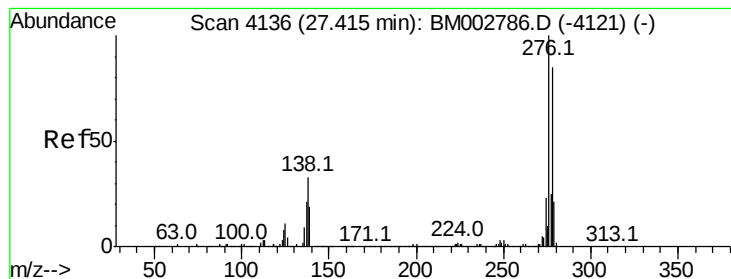
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10/1/2015 4:43:31 PM



#91
Benzo(a)pyrene
Concen: 33.77 ng/ul
RT: 24.59 min Scan# 3655
Delta R.T. 0.01 min
Lab File: BM002798.D
Acq: 01 Oct 2015 01:01

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	594771		
253	22.1	17.4	26.0	
125	14.8	11.4	17.2	





#92

Indeno(1,2,3-cd)pyrene

Concen: 23.04 ng/ul

RT: 27.43 min Scan# 4139

Delta R.T. 0.02 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

Instrument :

BNA_M

ClientSampleId :

D9G74

Tot Ion:276 Resp: 473309

Ion Ratio Lower Upper

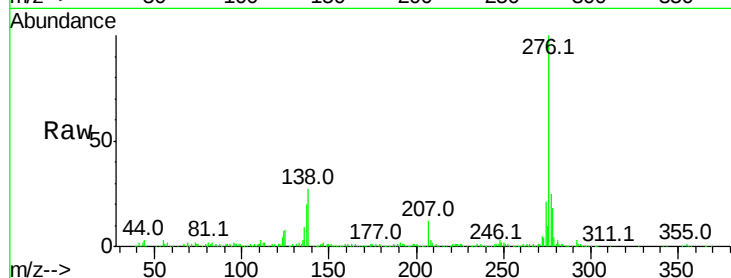
276 100

138 26.6 27.7 41.5#

277 24.7 20.2 30.4

Manual Integrations
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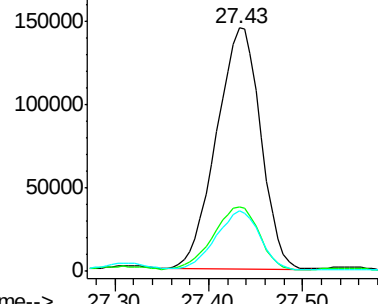
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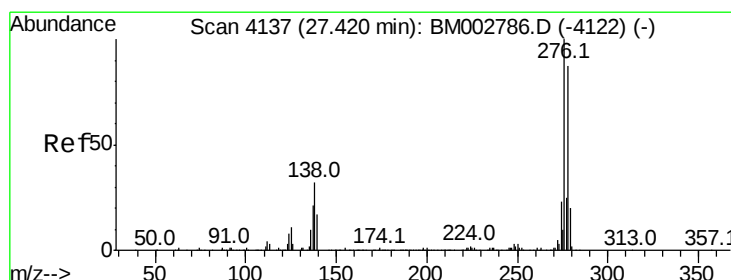
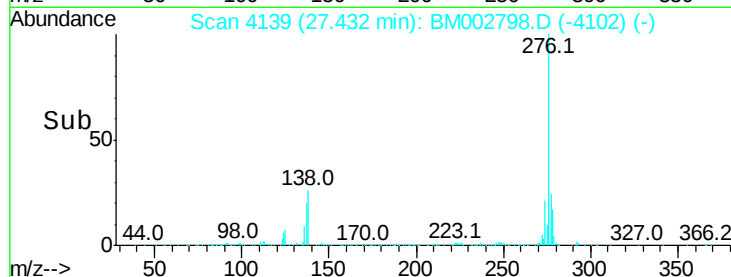
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#93

Dibenzo(a,h)anthracene

Concen: 6.57 ng/ul

RT: 27.43 min Scan# 4138

Delta R.T. 0.01 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

Tgt Ion:278 Resp: 113950

Ion Ratio Lower Upper

278 100

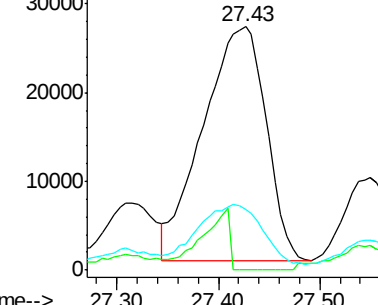
139 0.0 17.0 25.6#

279 24.7 19.0 28.6

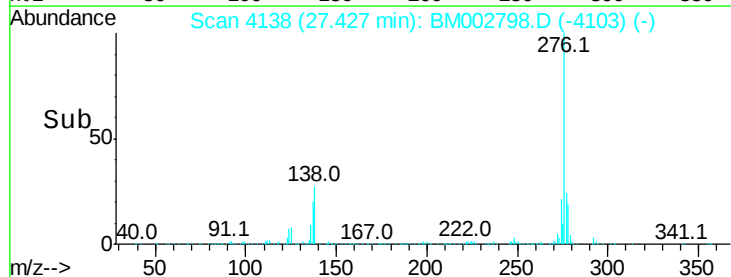
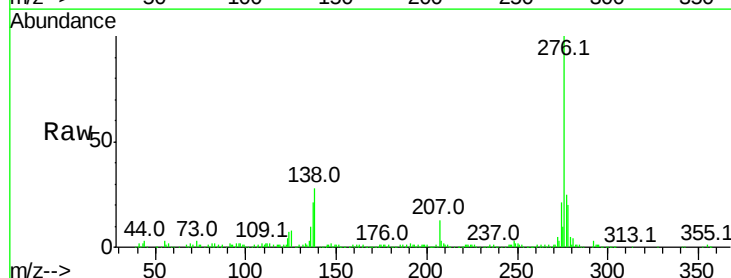
Abundance Ion 278.00 (277.70 to 278.70): E

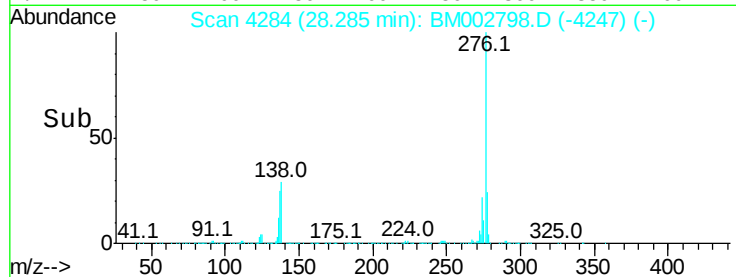
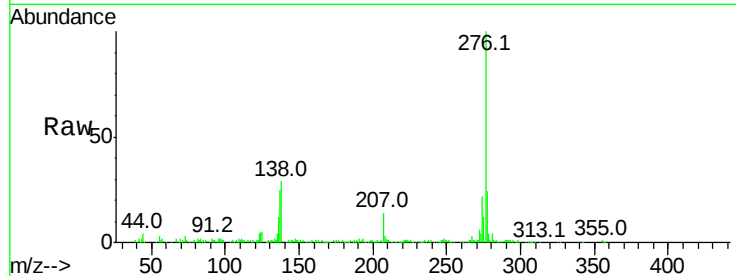
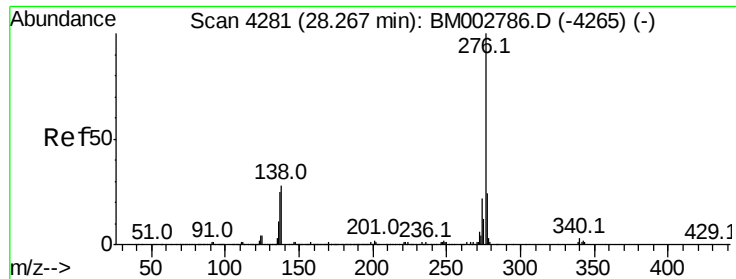
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#94

Benzo(a,h,i)perylene

Concen: 24.86 ng/ul

RT: 28.29 min Scan# 4284

Delta R.T. 0.02 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

Tot Ion:	276	Resp:	429986
Ion Ratio	Lower	Upper	
276	100		
138	29.5	21.8	32.8
277	24.4	18.9	28.3

Instrument :

BNA_M

ClientSampleId :

D9G74

Manual Integrations
APPROVED

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