

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
 Data File : BM023737.D
 Acq On : 15 Nov 2019 04:06
 Operator : JU
 Sample : K5700-15
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEGY7

Manual Integrations
 APPROVED

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 11/15/2019 5:59:32 PM

Quant Time: Nov 15 08:21:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM11119MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 15 07:53:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	368450	20.00	ng/ul	0.00
18) Naphthalene-d8	10.33	136	1424997	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.19	164	908417	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.94	188	1854714	20.00	ng/ul	0.00
78) Chrysene-d12	21.14	240	1847994	20.00	ng/ul	0.00
86) Perylene-d12	23.29	264	2216369	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	52107	5.83	ng/uL	0.00
5) Phenol-d5	6.72	99	167759	4.99	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	480653	24.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	521760	21.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	320600	11.97	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	361551	35.45	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	376218	35.09	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	660748	27.03	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	124615m	4.64	ng/ul	0.01
44) Dimethylphthalate-d6	13.61	166	2187679	30.88	ng/ul	0.00
47) Acenaphthylene-d8	13.87	160	2542975	31.45	ng/ul	0.00
52) 4-Nitrophenol-d4	14.42	143	62230	5.15	ng/ul	0.00
58) Fluorene-d10	15.19	176	1913070	30.58	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.32	200	309397	28.84	ng/ul	0.00
71) Anthracene-d10	17.04	188	2877336	32.70	ng/ul	0.00
79) Pyrene-d10	19.34	212	3191575	33.12	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.16	264	3873583	33.21	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.35	128	53148857m	709.615	ng/ul
34) 2-Methylnaphthalene	11.99	142	11297885	197.188	ng/ul 98
41) 1,1'-Biphenyl	13.02	154	6620939	94.480	ng/ul 98
45) Dimethylphthalate	13.66	163	98222	1.415	ng/ul 100
48) Acenaphthylene	13.90	152	244145	3.000	ng/ul# 71
50) Acenaphthene	14.26	153	14347804	248.412	ng/ul 90
54) Dibenzofuran	14.59	168	15518076	181.498	ng/ul# 79
59) Fluorene	15.25	166	11027265	158.973	ng/ul 99
70) Phenanthrene	16.98	178	15204471m	148.829	ng/ul
72) Anthracene	17.07	178	1530756	14.901	ng/ul 99
75) Carbazole	17.35	167	15166888	177.118	ng/ul# 85
77) Fluoranthene	19.00	202	2202577	20.124	ng/ul 98
80) Pyrene	19.37	202	1300250	10.885	ng/ul 100

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

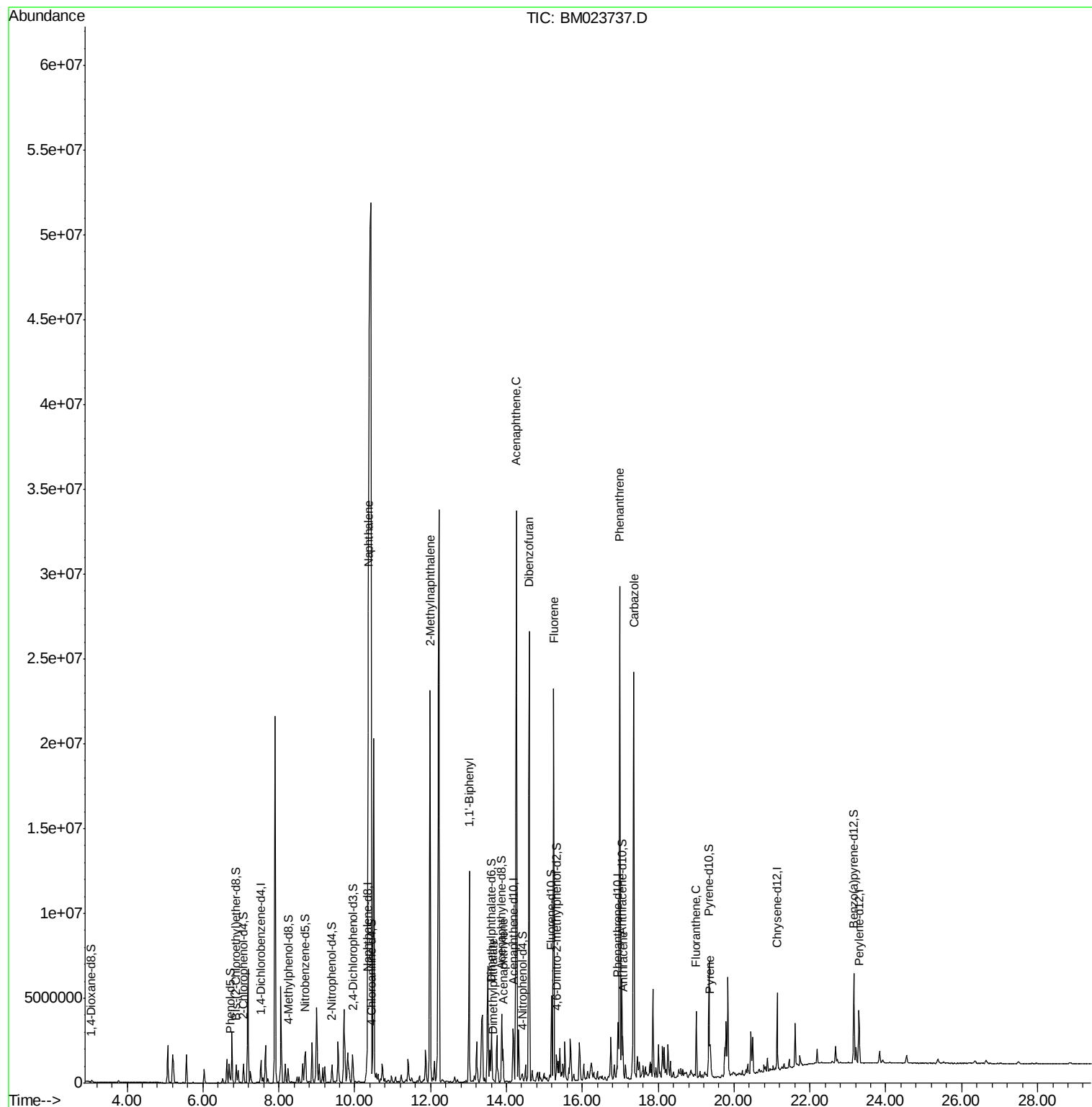
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023737.D
Acq On : 15 Nov 2019 04:06
Operator : JU
Sample : K5700-15
Misc :
ALS Vial : 21 Sample Multiplier: 1

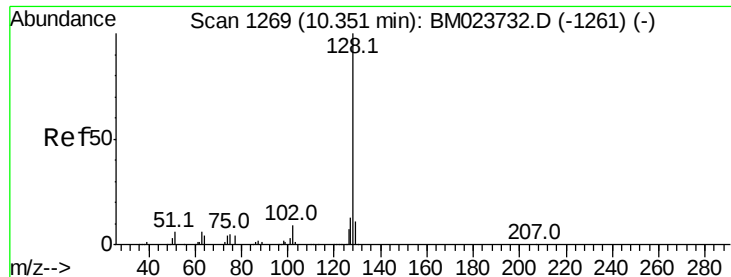
Instrument :
BNA_M
ClientSampleId :
BEGY7

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Quant Time: Nov 15 08:21:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM11119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 15 07:53:56 2019
Response via : Initial Calibration





#28

Naphthalene

Concen: 709.615 ng/ul m

RT: 10.35 min Scan# 1269

Delta R.T. -0.00 min

Lab File: BM023737.D

Acq: 15 Nov 2019 04:06

Instrument :

BNA_M

ClientSampleId :

BEGY7

Tot Ion:128 Resp:53148857

Ion Ratio Lower Upper

128 100

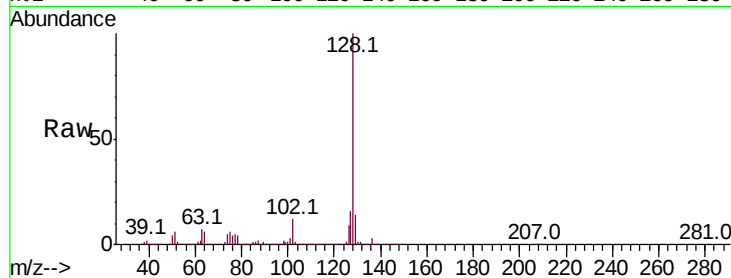
129 14.4 8.7 13.1#

127 16.2 10.6 16.0#

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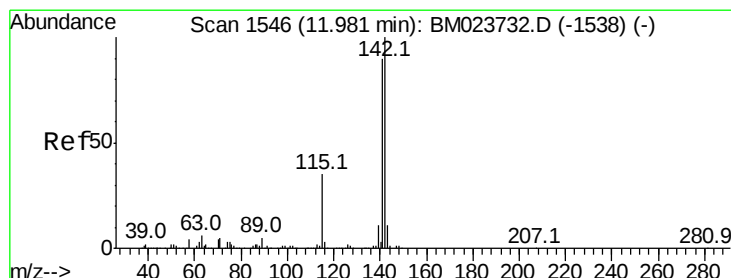
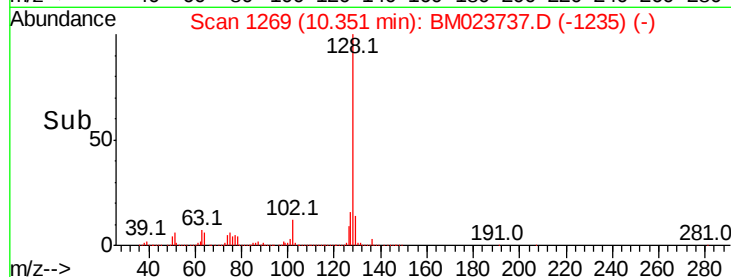
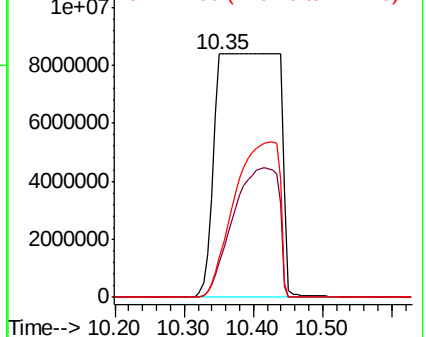
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 197.188 ng/ul

RT: 11.99 min Scan# 1547

Delta R.T. 0.01 min

Lab File: BM023737.D

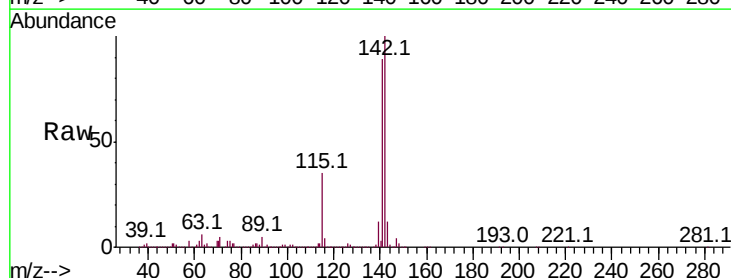
Acq: 15 Nov 2019 04:06

Tgt Ion:142 Resp:11297885

Ion Ratio Lower Upper

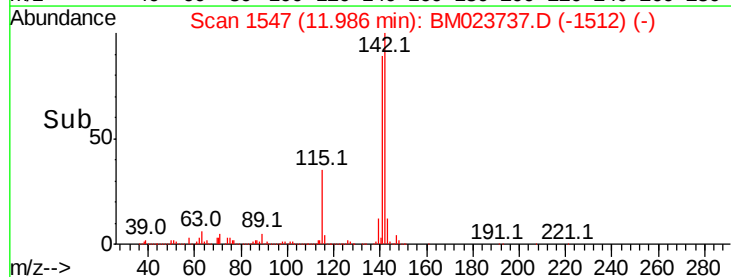
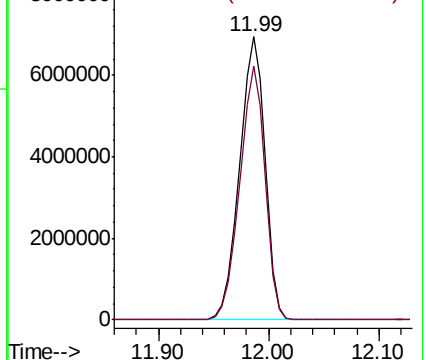
142 100

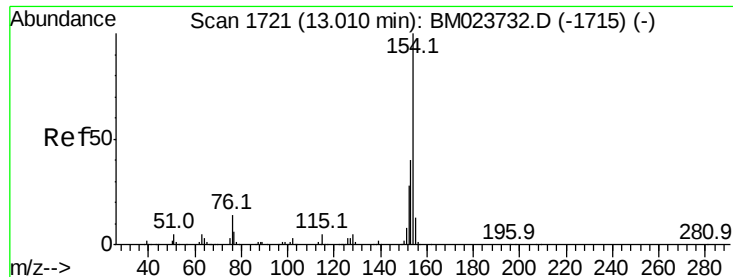
141 89.5 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





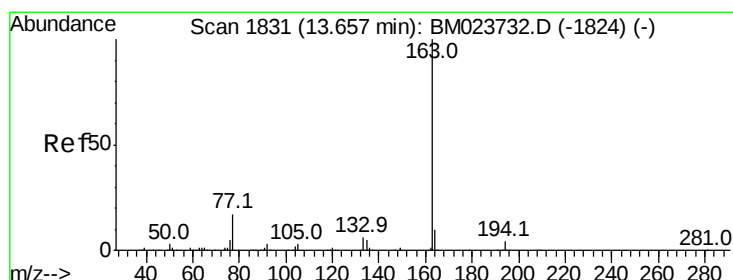
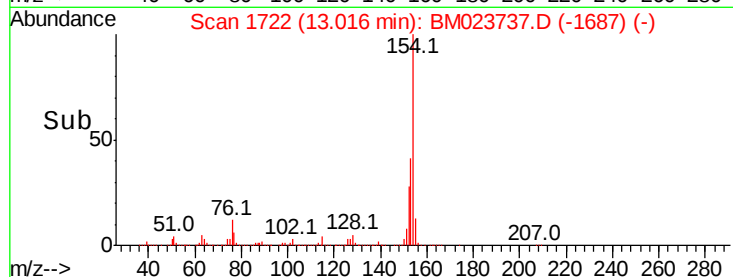
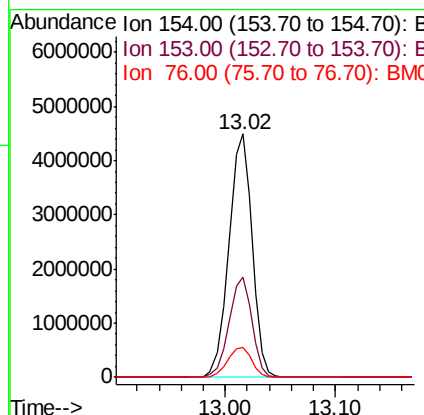
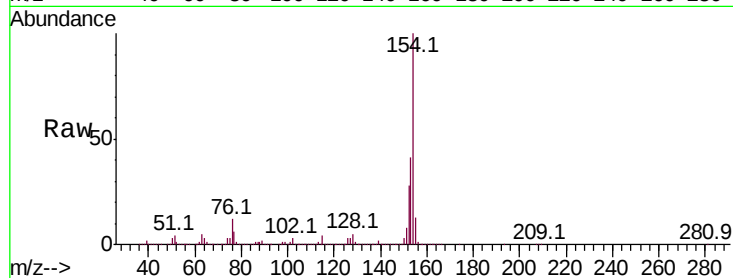
#41
1,1'-Biphenyl
Concen: 94.480 ng/ul
RT: 13.02 min Scan# 1722
Delta R.T. 0.01 min
Lab File: BM023737.D
Acq: 15 Nov 2019 04:06

Instrument :
BNA_M
ClientSampleId :
BEGY7

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.4	32.3	48.5
76	12.4	10.6	15.8

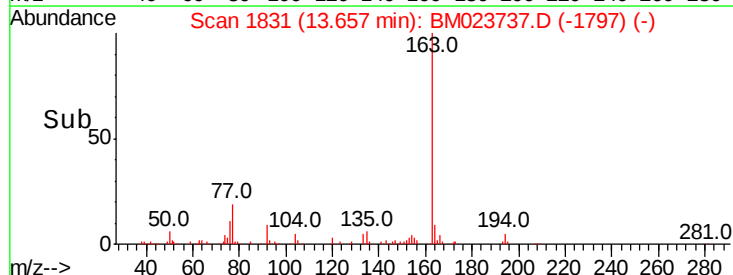
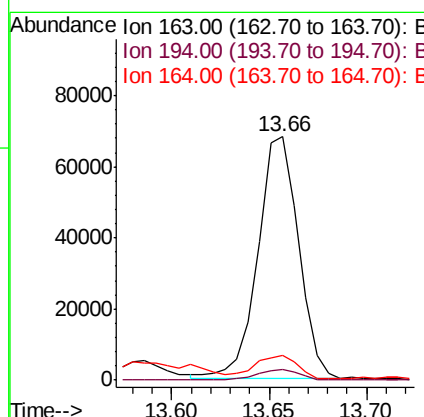
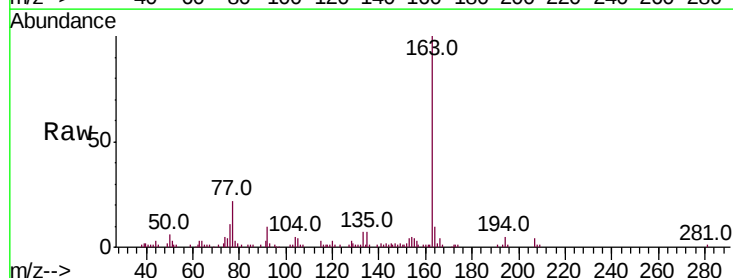
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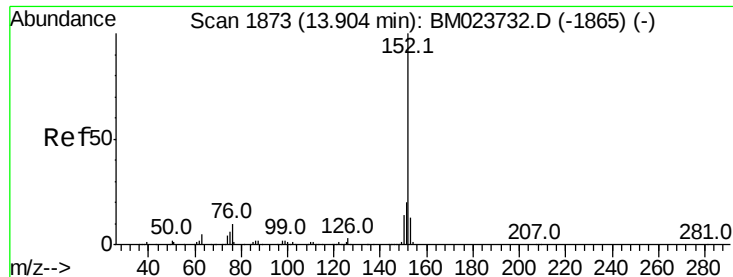
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#45
Dimethylphthalate
Concen: 1.415 ng/ul
RT: 13.66 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BM023737.D
Acq: 15 Nov 2019 04:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.2
164	10.0	8.0	12.0





#48

Acenaphthylene

Concen: 3.000 ng/ul

RT: 13.90 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BM023737.D

Acq: 15 Nov 2019 04:06

Instrument :

BNA_M

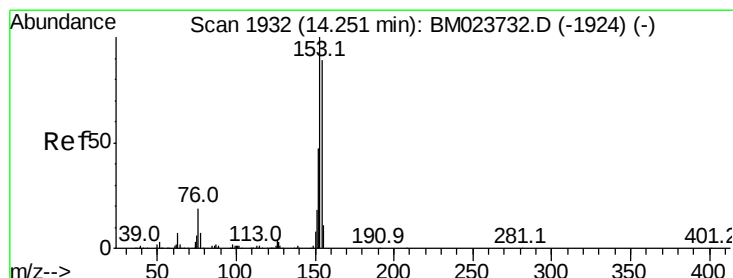
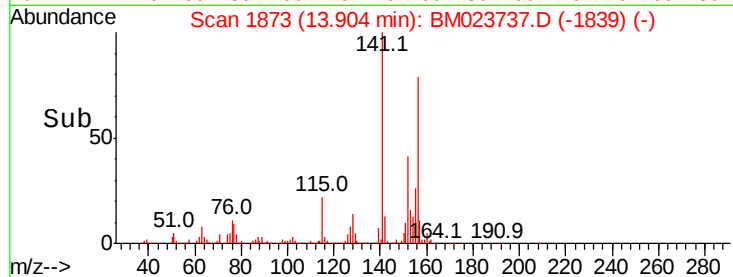
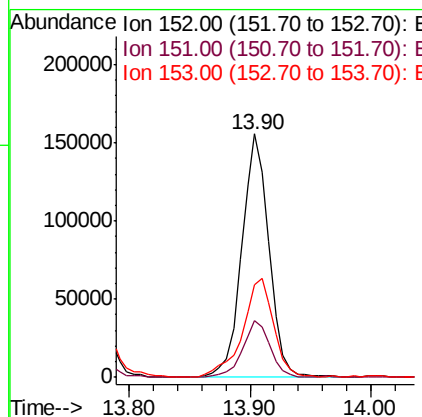
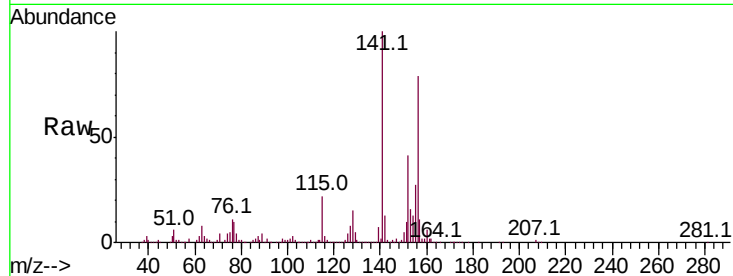
ClientSampleId :

BEGY7

Tot Ion:	152	Resp:	244145
Ion Ratio	Lower	Upper	
152	100		
151	23.3	16.1	24.1
153	38.3	10.4	15.6#

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#50

Acenaphthene

Concen: 248.412 ng/ul

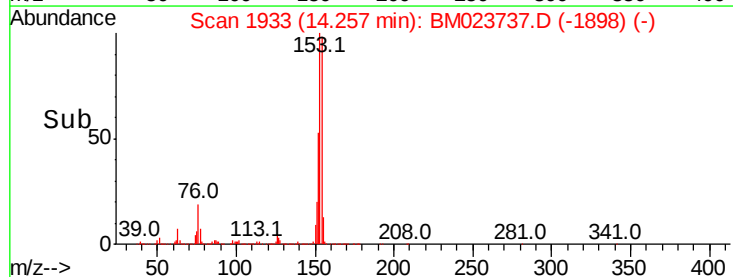
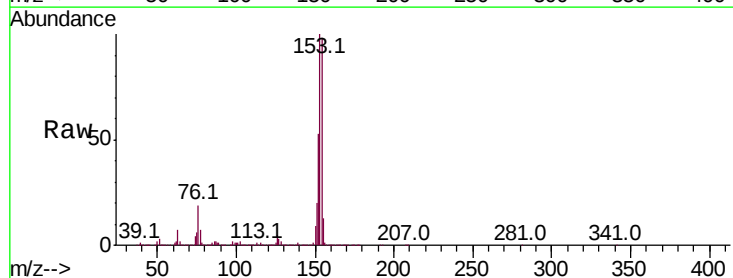
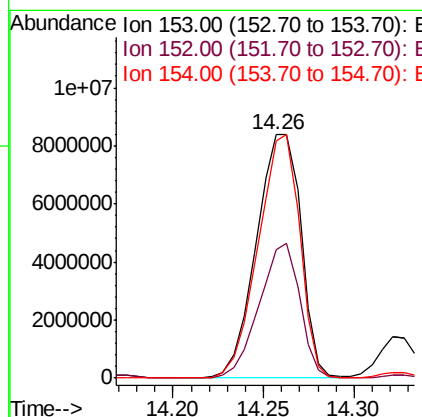
RT: 14.26 min Scan# 1933

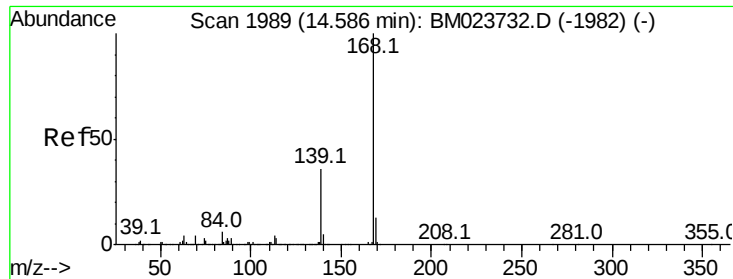
Delta R.T. 0.01 min

Lab File: BM023737.D

Acq: 15 Nov 2019 04:06

Tgt Ion:	153	Resp:	14347804
Ion Ratio	Lower	Upper	
153	100		
152	52.9	37.7	56.5
154	97.7	70.6	106.0





#54

Dibenzofuran

Concen: 181.498 ng/ul

RT: 14.59 min Scan# 1990

Delta R.T. 0.01 min

Lab File: BM023737.D

Acq: 15 Nov 2019 04:06

Instrument :

BNA_M

ClientSampleID :

BEGY7

Tot Ion:168 Resp:15518076

Ion Ratio Lower Upper

168 100

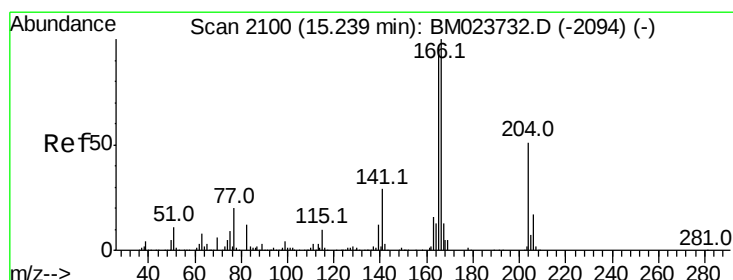
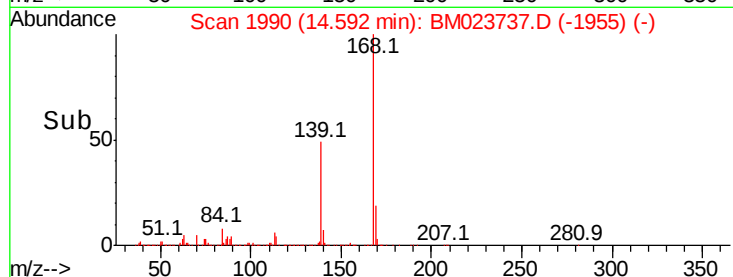
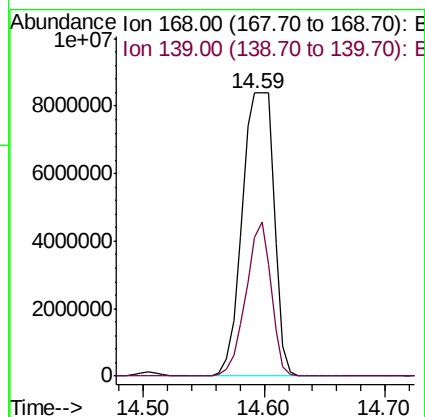
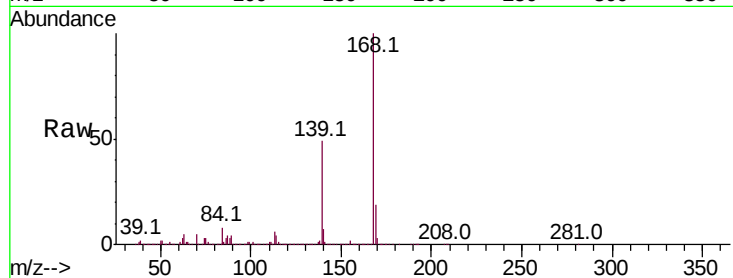
139 49.2 29.3 43.9#

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#59

Fluorene

Concen: 158.973 ng/ul

RT: 15.25 min Scan# 2102

Delta R.T. 0.01 min

Lab File: BM023737.D

Acq: 15 Nov 2019 04:06

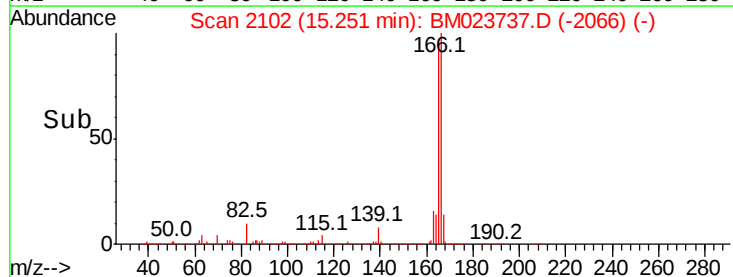
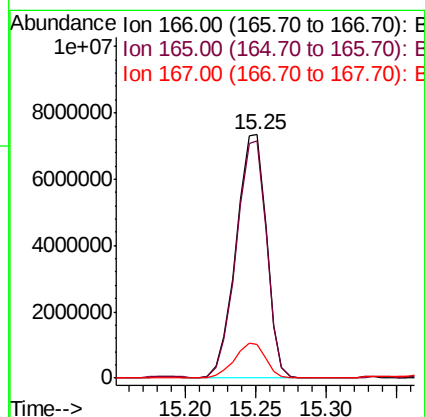
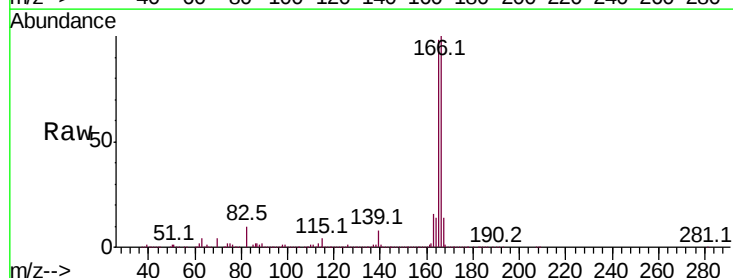
Tgt Ion:166 Resp:11027265

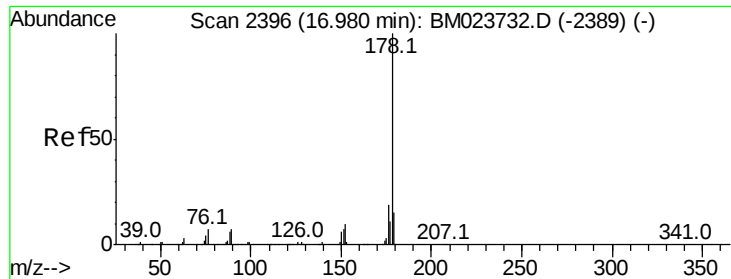
Ion Ratio Lower Upper

166 100

165 97.5 77.2 115.8

167 13.9 10.9 16.3





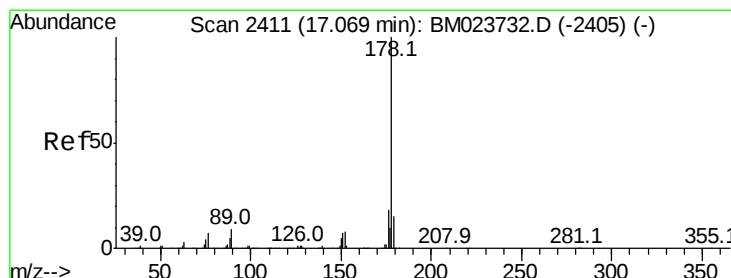
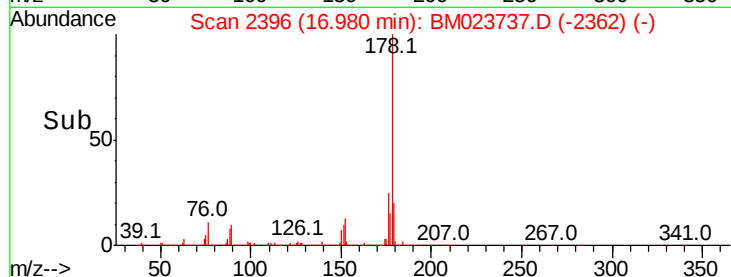
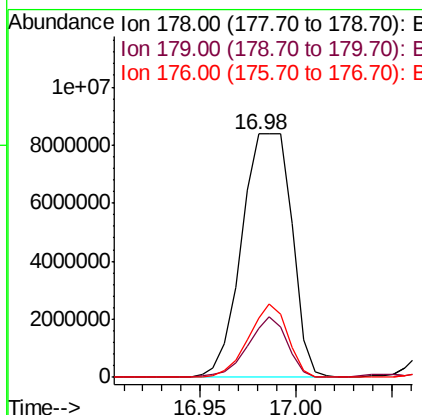
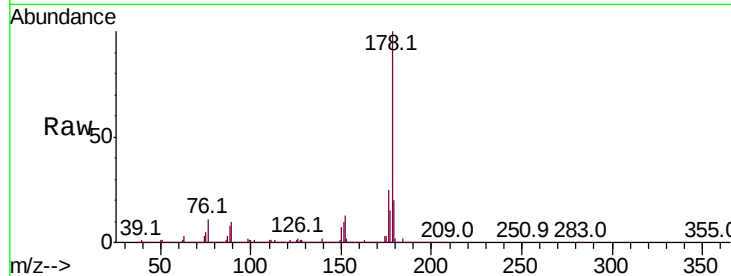
#70
Phenanthrene
Concen: 148.829 ng/ul m
RT: 16.98 min Scan# 2396
Delta R.T. -0.00 min
Lab File: BM023737.D
Acq: 15 Nov 2019 04:06

Instrument :
BNA_M
ClientSampleId :
BEGY7

Tot Ion:178 Resp:15204471
Ion Ratio Lower Upper
178 100
179 20.3 12.3 18.5#
176 24.6 15.0 22.6#

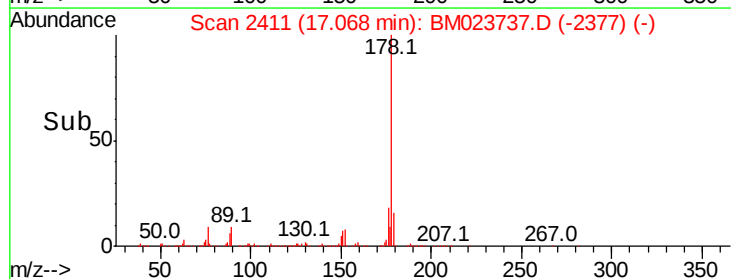
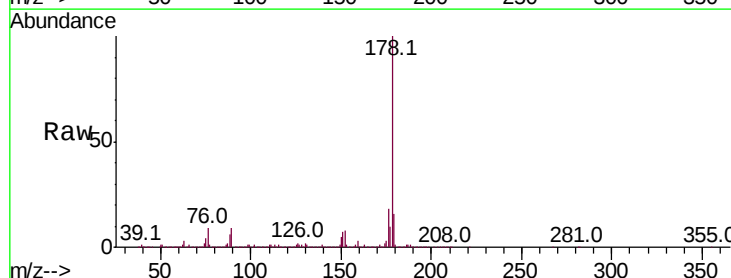
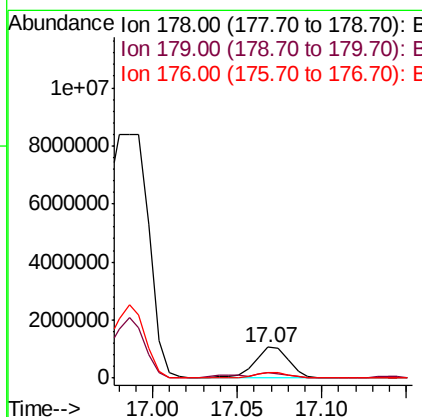
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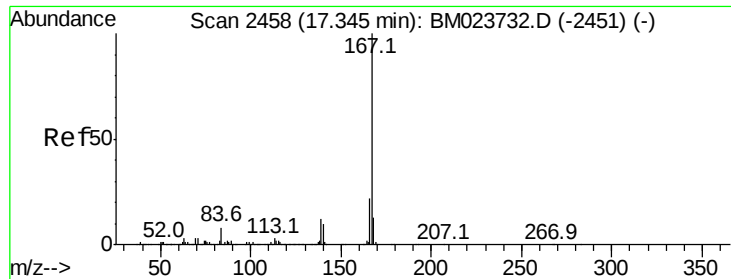
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#72
Anthracene
Concen: 14.901 ng/ul
RT: 17.07 min Scan# 2411
Delta R.T. -0.00 min
Lab File: BM023737.D
Acq: 15 Nov 2019 04:06

Tgt Ion:178 Resp: 1530756
Ion Ratio Lower Upper
178 100
179 15.9 12.3 18.5
176 18.5 14.7 22.1





#75

Carbazole

Concen: 177.118 ng/ul

RT: 17.35 min Scan# 2459

Delta R.T. 0.01 min

Lab File: BM023737.D

Acq: 15 Nov 2019 04:06

Instrument :

BNA_M

ClientSampleId :

BEGY7

Tot Ion:167 Resp:15166888

Ion Ratio Lower Upper

167 100

166 29.4 17.1 25.7#

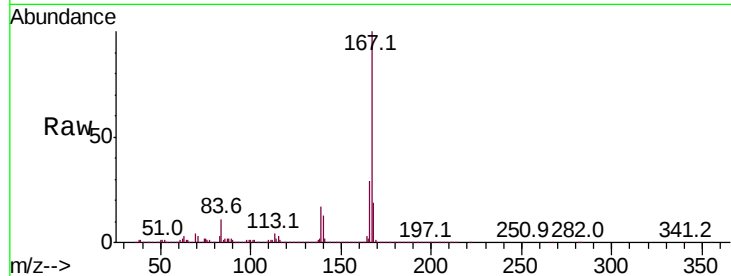
139 16.7 9.8 14.6#

Manual Integrations

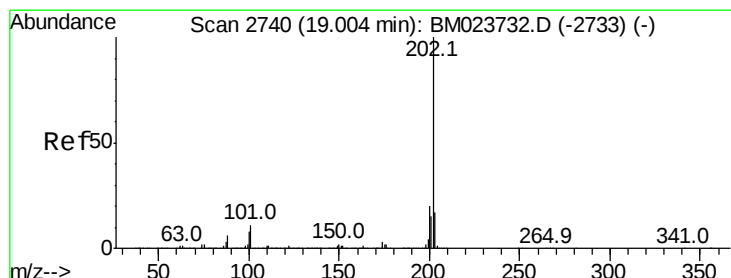
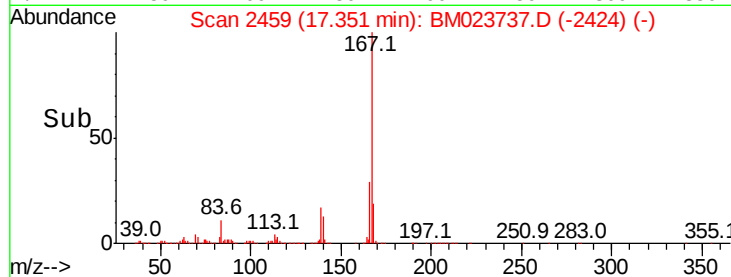
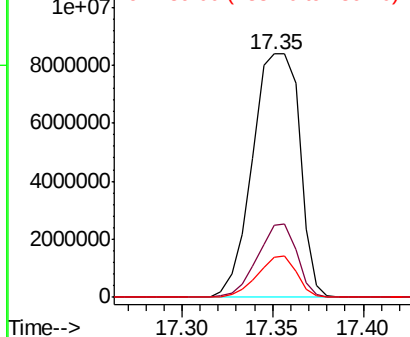
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 20.124 ng/ul

RT: 19.00 min Scan# 2740

Delta R.T. -0.00 min

Lab File: BM023737.D

Acq: 15 Nov 2019 04:06

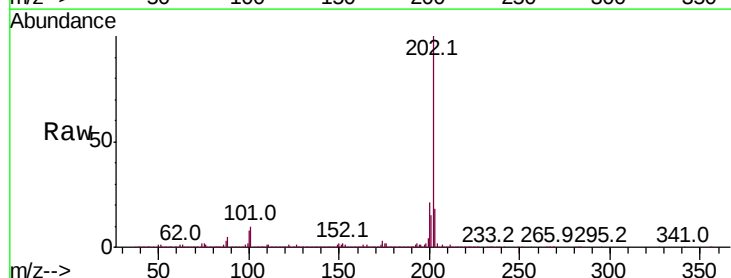
Tgt Ion:202 Resp: 2202577

Ion Ratio Lower Upper

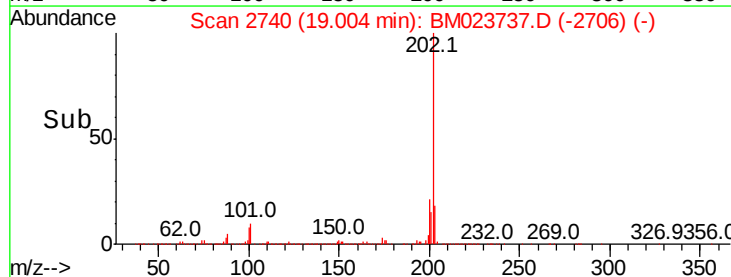
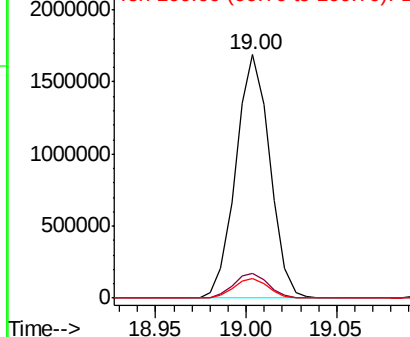
202 100

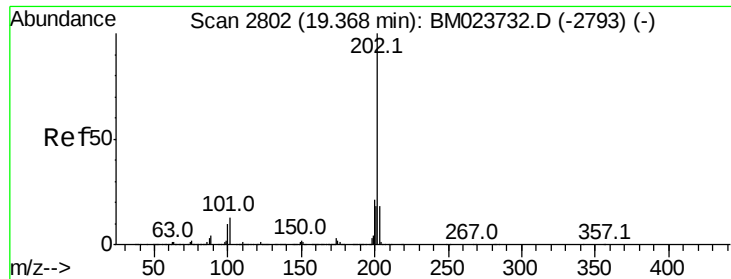
101 10.2 7.7 11.5

100 7.9 6.0 9.0



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): E





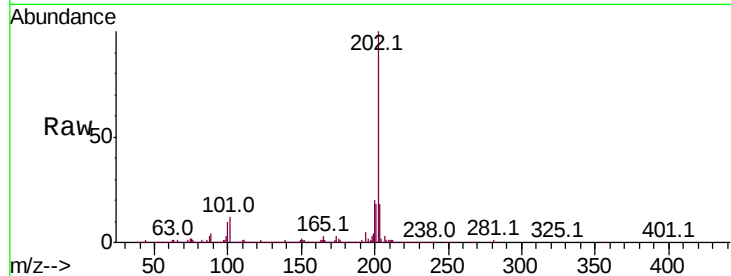
#80
 Pvrene
 Concen: 10.885 ng/ul
 RT: 19.37 min Scan# 2802
 Delta R.T. -0.00 min
 Lab File: BM023737.D
 Acq: 15 Nov 2019 04:06

Instrument :
 BNA_M
 ClientSampleId :
 BEGY7

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1300250		
101	12.0		9.8	14.6
100	10.0		8.1	12.1

Manual Integrations
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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

