

Data File : BM023734.D
Acq On : 15 Nov 2019 02:18
Operator : JU
Sample : K5700-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEGY9

Quant Time: Nov 15 07:57:20 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	362895	20.00	ng/ul	0.00
18) Naphthalene-d8	10.31	136	1470853	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.19	164	916657	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.94	188	1913720	20.00	ng/ul	0.00
78) Chrysene-d12	21.14	240	1915256	20.00	ng/ul	0.00
86) Perylene-d12	23.30	264	2285009	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	51981	5.90	ng/uL	0.00
5) Phenol-d5	6.72	99	192163	5.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	456886	24.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	525537	21.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	358771	13.60	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	345980	32.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	366855	33.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	672726	26.66	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	173107	6.25	ng/ul	0.02
44) Dimethylphthalate-d6	13.61	166	2269448	31.75	ng/ul	0.00
47) Acenaphthylene-d8	13.87	160	2524011	30.94	ng/ul	0.00
52) 4-Nitrophenol-d4	14.42	143	84489	6.92	ng/ul	0.00
58) Fluorene-d10	15.19	176	1951204	30.91	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.32	200	369429	33.37	ng/ul	0.00
71) Anthracene-d10	17.04	188	3079814	33.93	ng/ul	0.00
79) Pyrene-d10	19.34	212	3377692	33.82	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.16	264	4057878	33.75	ng/ul	0.00

Target Compounds

					Qvalue	
20) Nitrobenzene	8.70	77	41633	1.496	ng/ul#	4
30) 4-Chloroaniline	10.39	127	10096858	354.526	ng/ul#	10
34) 2-Methylnaphthalene	11.98	142	2389847	40.411	ng/ul	97
35) 1-Methylnaphthalene	12.20	142	7441984	127.594	ng/ul	100
41) 1,1'-Biphenyl	13.02	154	6085406	86.057	ng/ul	99
45) Dimethylphthalate	13.66	163	228869	3.267	ng/ul	99
48) Acenaphthylene	13.90	152	212482	2.587	ng/ul#	73
50) Acenaphthene	14.26	153	11737500	201.392	ng/ul	98
54) Dibenzofuran	14.59	168	14225333	164.882	ng/ul	90
55) 2,4-Dinitrotoluene	14.56	165	20100	1.031	ng/ul#	50
59) Fluorene	15.24	166	6827483	97.543	ng/ul	99
61) 4-Nitroaniline	15.24	138	75683	5.096	ng/ul#	22
70) Phenanthrene	16.99	178	8348896	79.204	ng/ul	99
72) Anthracene	17.07	178	907848	8.565	ng/ul	99
75) Carbazole	17.35	167	15332968	173.537	ng/ul#	90
77) Fluoranthene	19.00	202	1046960	9.271	ng/ul	98
80) Pyrene	19.37	202	537227	4.340	ng/ul	99

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

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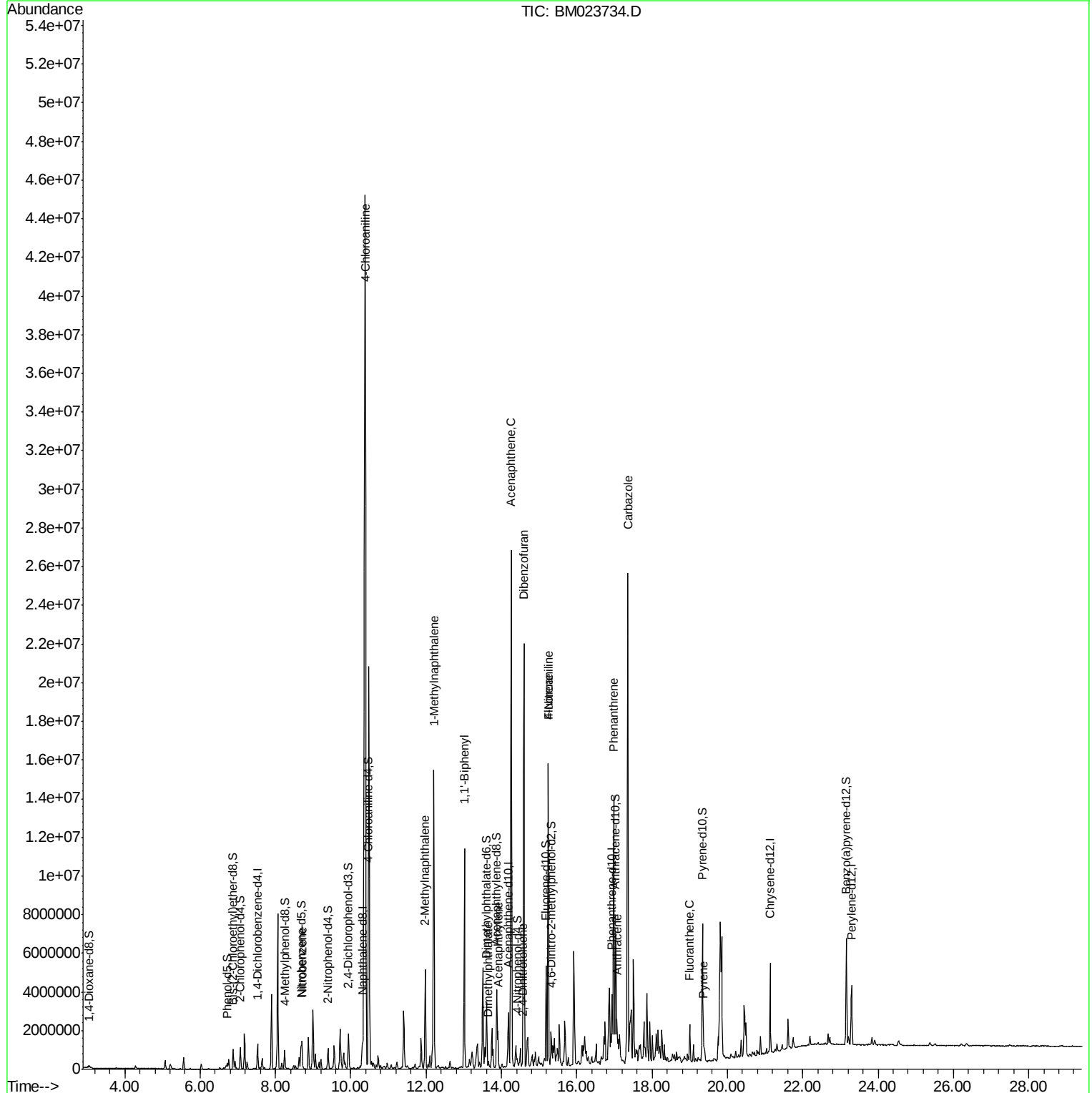
Quant Time: Nov 15 07:57:20 2019

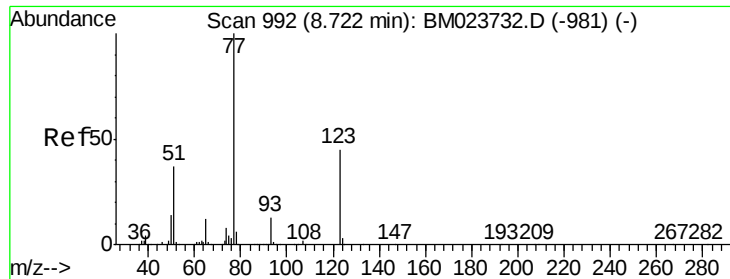
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM11119MA.M

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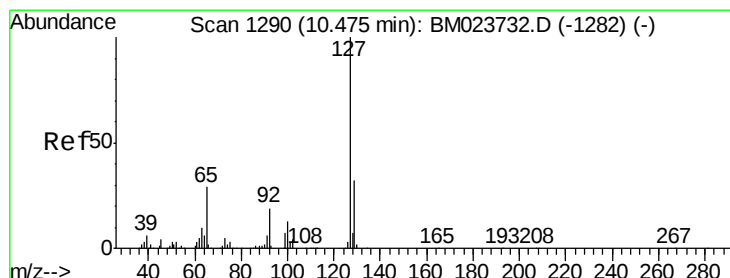
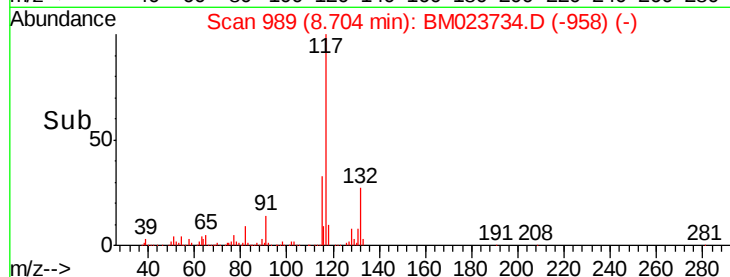
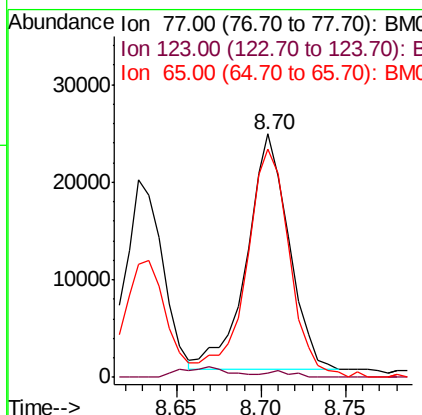
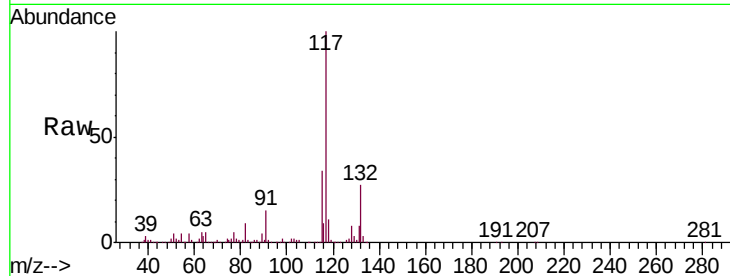




#20
 Nitrobenzene
 Concen: 1.496 ng/ul
 RT: 8.70 min Scan# 989
 Delta R.T. -0.02 min
 Lab File: BM023734.D
 Acq: 15 Nov 2019 02:18

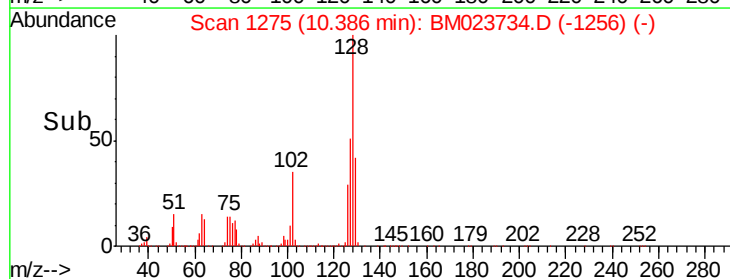
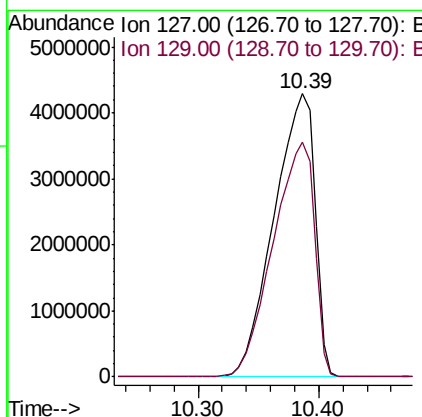
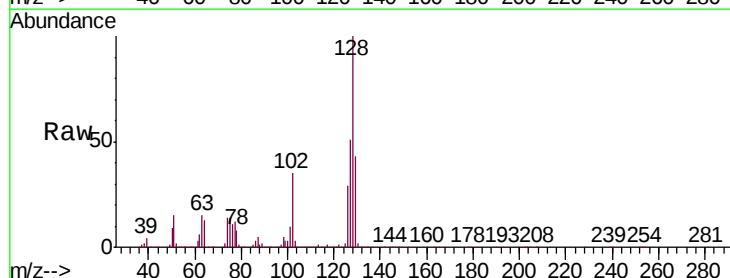
Instrument :
 BNA_M
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 BEGY9

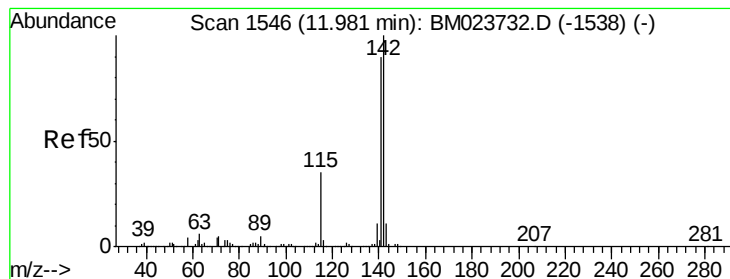
Tgt Ion	Ratio	Lower	Upper
77	100		
123	1.6	33.1	49.7#
65	93.6	9.8	14.8#



#30
 4-Chloroaniline
 Concen: 354.526 ng/ul
 RT: 10.39 min Scan# 1275
 Delta R.T. -0.09 min
 Lab File: BM023734.D
 Acq: 15 Nov 2019 02:18

Tgt Ion	Ratio	Lower	Upper
127	100		
129	83.1	26.1	39.1#





#34

2-Methylnaphthalene

Concen: 40.411 ng/ul

RT: 11.98 min Scan# 1546

Delta R.T. -0.00 min

Lab File: BM023734.D

Acq: 15 Nov 2019 02:18

Instrument :

BNA_M

ClientSampleId :

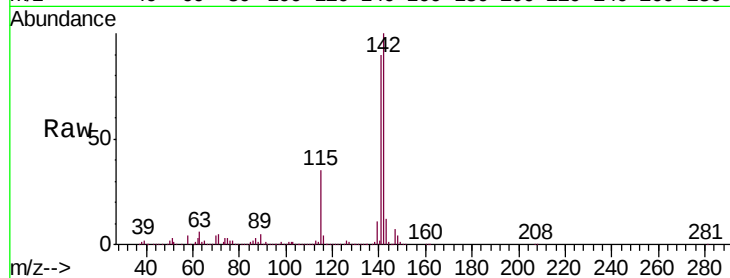
BEGY9

Tgt Ion:142 Resp: 2389847

Ion Ratio Lower Upper

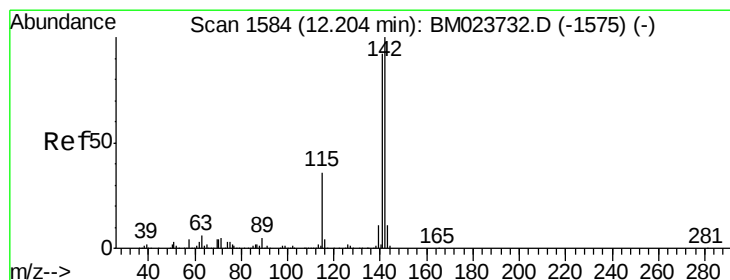
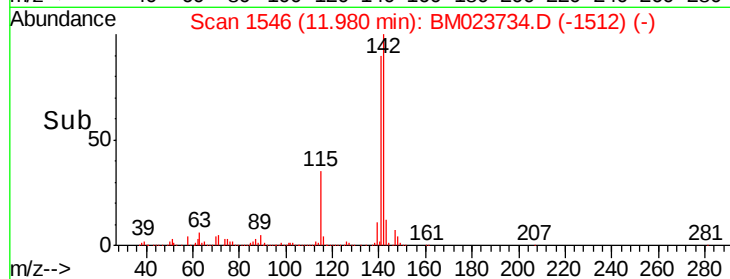
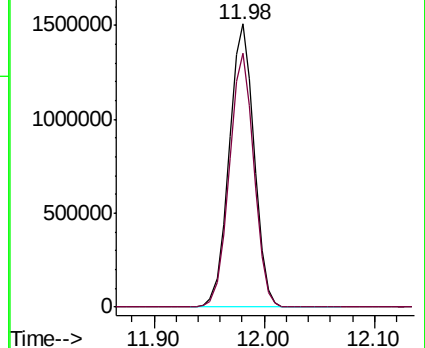
142 100

141 89.7 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 127.594 ng/ul

RT: 12.20 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BM023734.D

Acq: 15 Nov 2019 02:18

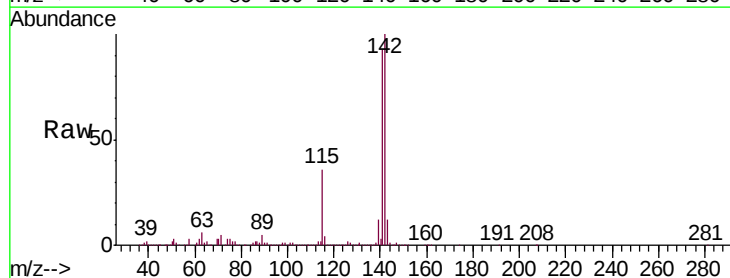
Tgt Ion:142 Resp: 7441984

Ion Ratio Lower Upper

142 100

141 92.9 74.6 112.0

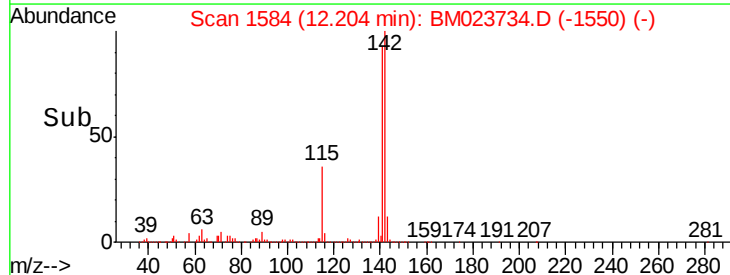
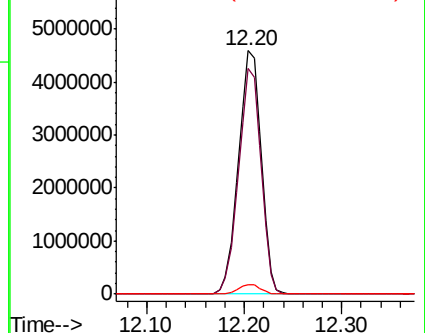
116 3.9 3.2 4.8

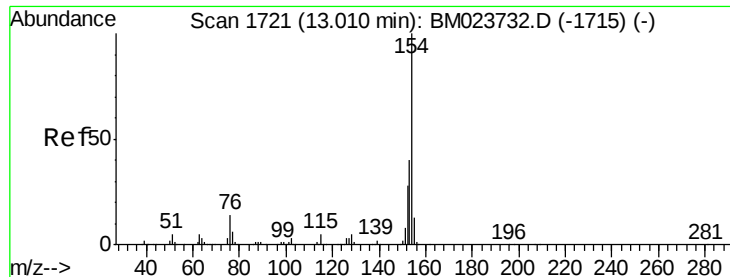


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

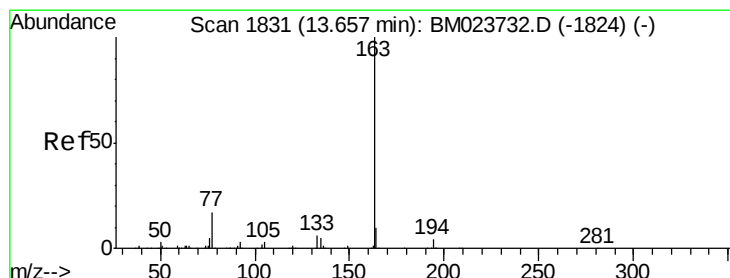
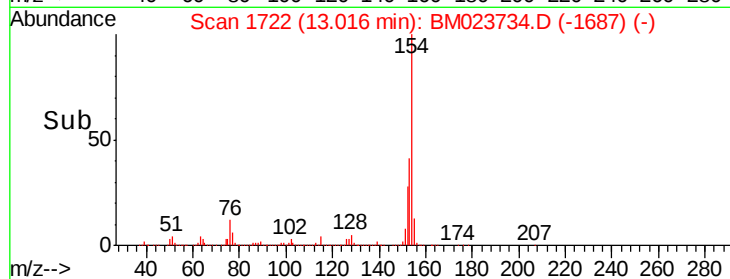
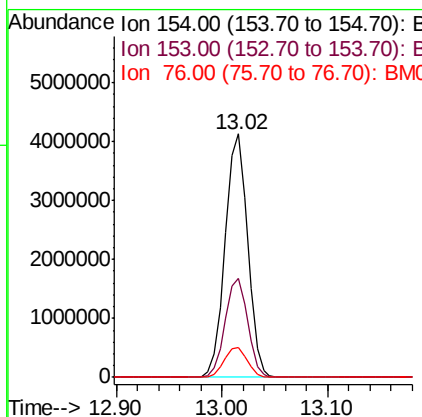
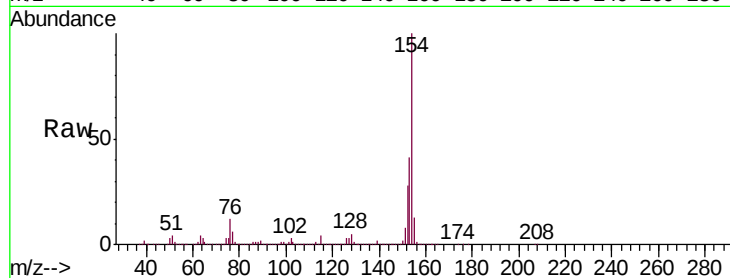




#41
 1,1'-Biphenyl
 Concen: 86.057 ng/ul
 RT: 13.02 min Scan# 1722
 Delta R.T. 0.01 min
 Lab File: BM023734.D
 Acq: 15 Nov 2019 02:18

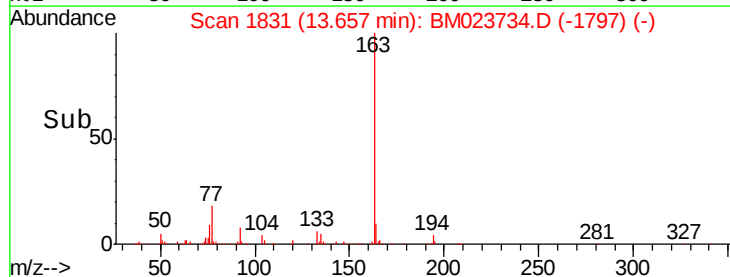
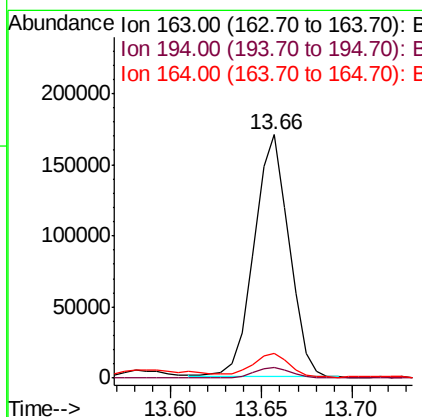
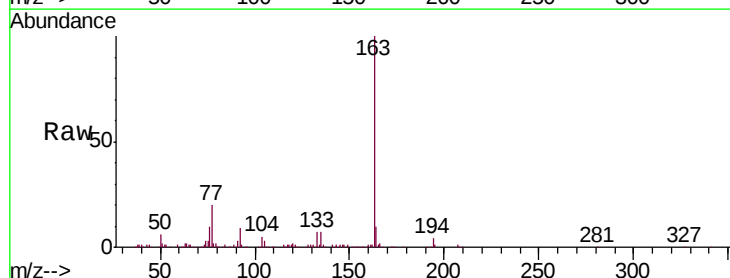
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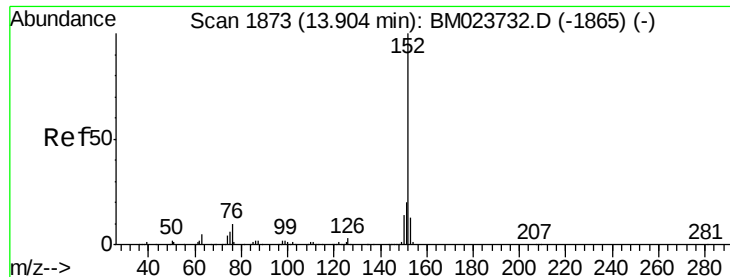
Tgt Ion:154 Resp: 6085406
 Ion Ratio Lower Upper
 154 100
 153 40.8 32.3 48.5
 76 12.4 10.6 15.8



#45
 Dimethylphthalate
 Concen: 3.267 ng/ul
 RT: 13.66 min Scan# 1831
 Delta R.T. -0.00 min
 Lab File: BM023734.D
 Acq: 15 Nov 2019 02:18

Tgt Ion:163 Resp: 228869
 Ion Ratio Lower Upper
 163 100
 194 4.2 3.4 5.2
 164 10.4 8.0 12.0





#48

Acenaphthylene

Concen: 2.587 ng/ul

RT: 13.90 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BM023734.D

Acq: 15 Nov 2019 02:18

Instrument :

BNA_M

ClientSampleId :

BEGY9

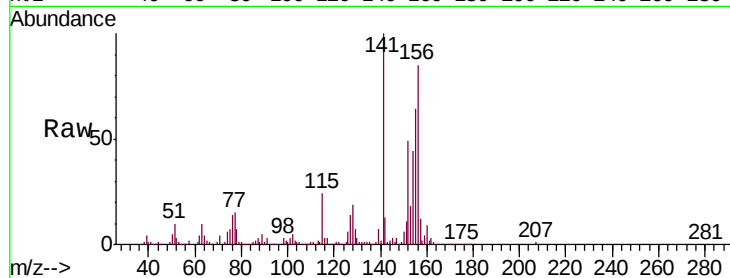
Tgt Ion:152 Resp: 212482

Ion Ratio Lower Upper

152 100

151 22.3 16.1 24.1

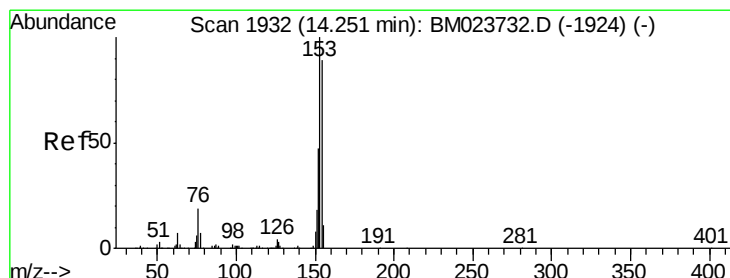
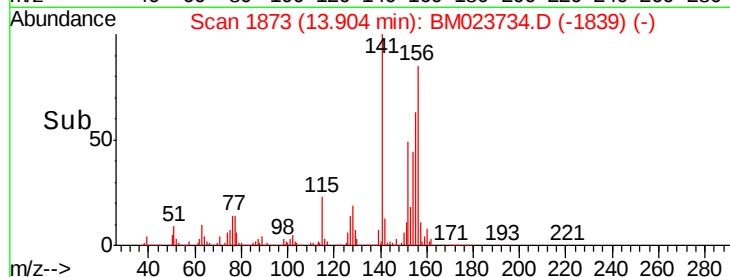
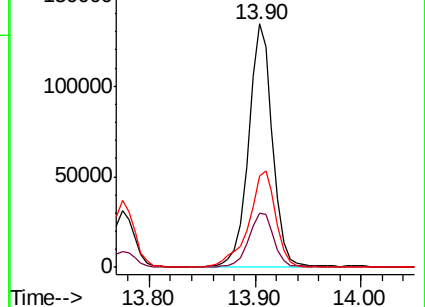
153 37.8 10.4 15.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 201.392 ng/ul

RT: 14.26 min Scan# 1933

Delta R.T. 0.01 min

Lab File: BM023734.D

Acq: 15 Nov 2019 02:18

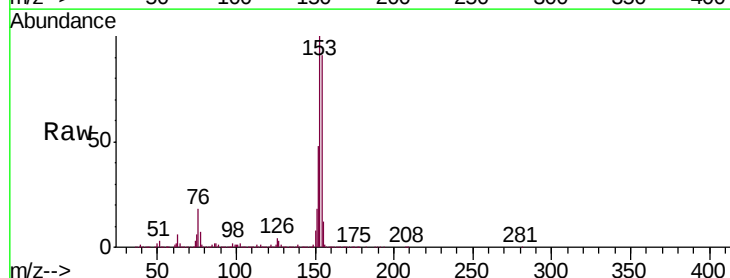
Tgt Ion:153 Resp:11737500

Ion Ratio Lower Upper

153 100

152 48.1 37.7 56.5

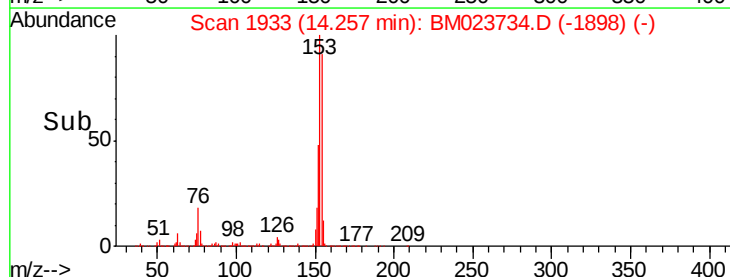
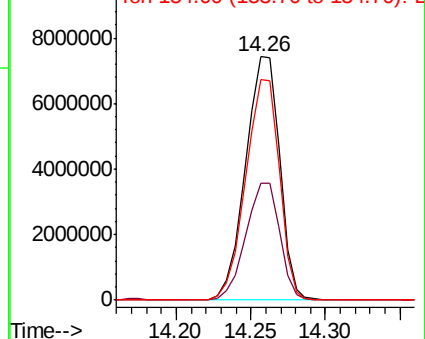
154 90.5 70.6 106.0

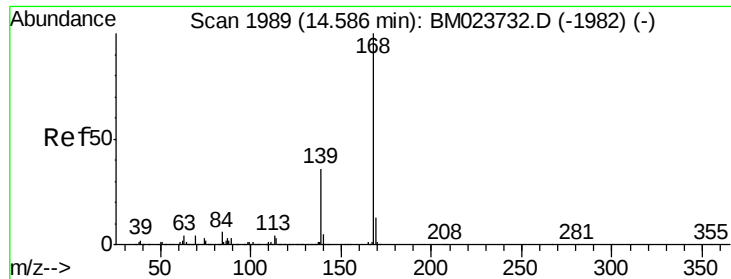


Abundance Ion 153.00 (152.70 to 153.70): E

1e+07 Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 164.882 ng/ul

RT: 14.59 min Scan# 1990

Delta R.T. 0.01 min

Lab File: BM023734.D

Acq: 15 Nov 2019 02:18

Instrument :

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ClientSampleID :

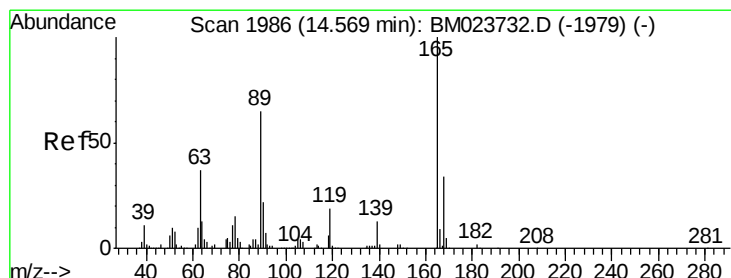
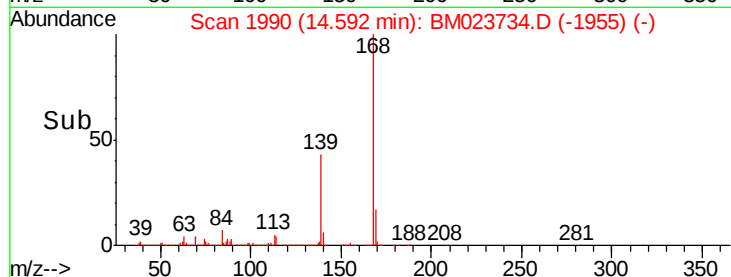
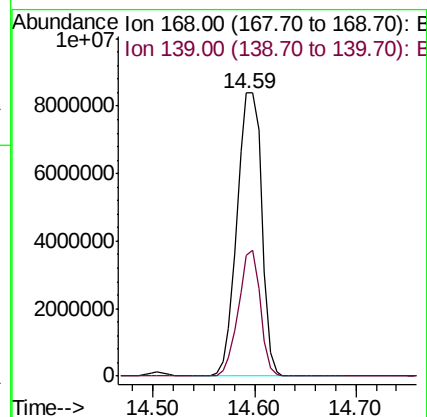
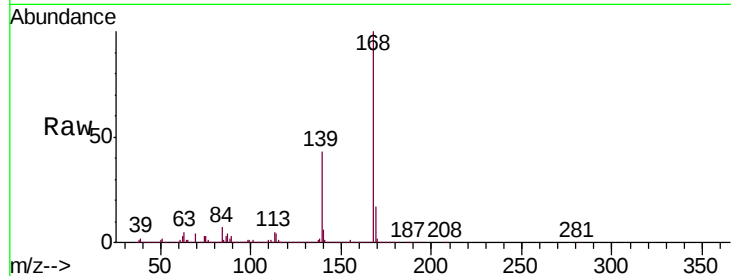
BEGY9

Tgt Ion:168 Resp:14225333

Ion Ratio Lower Upper

168 100

139 42.5 29.3 43.9



#55

2,4-Dinitrotoluene

Concen: 1.031 ng/ul

RT: 14.56 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BM023734.D

Acq: 15 Nov 2019 02:18

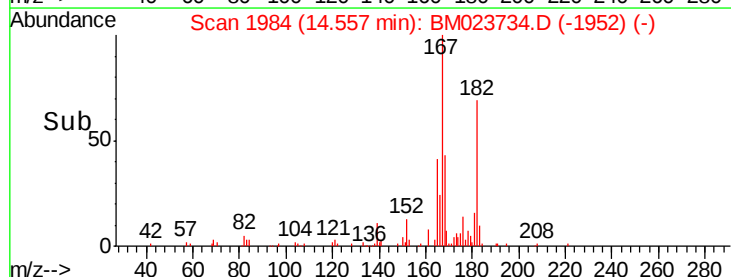
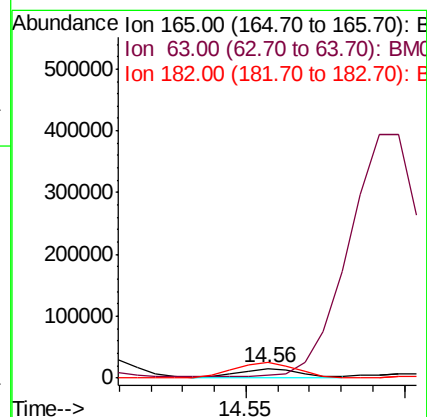
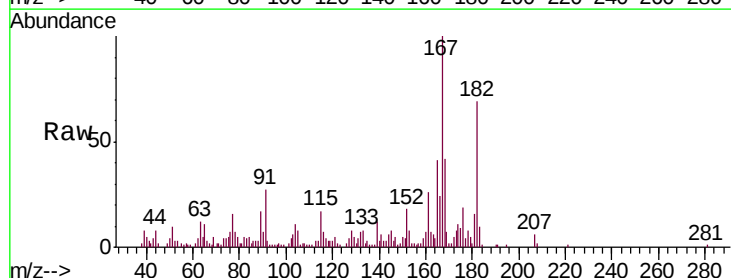
Tgt Ion:165 Resp: 20100

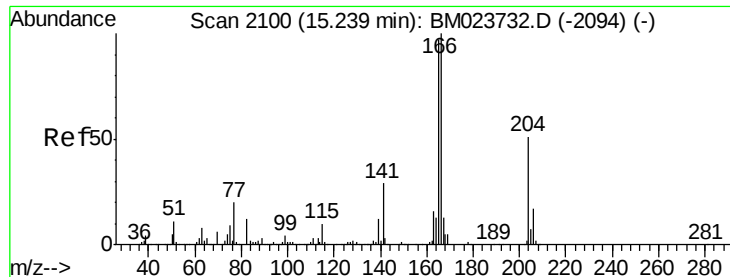
Ion Ratio Lower Upper

165 100

63 29.1 31.0 46.6#

182 167.3 2.4 3.6#

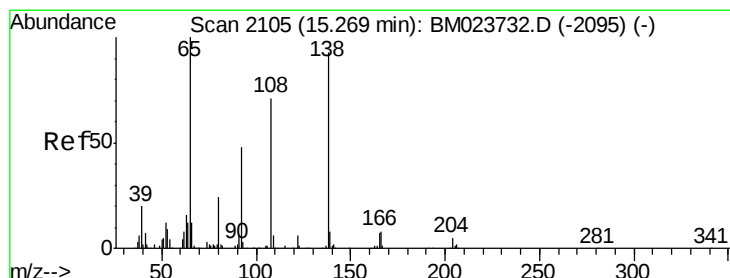
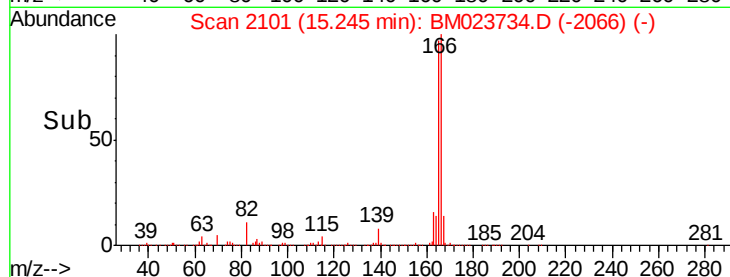
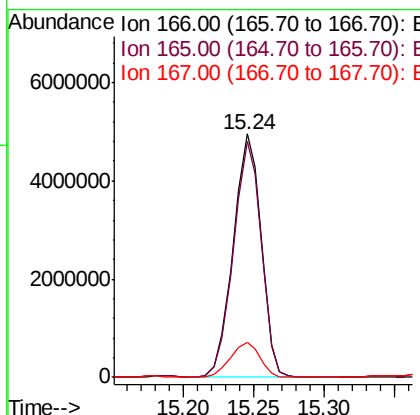
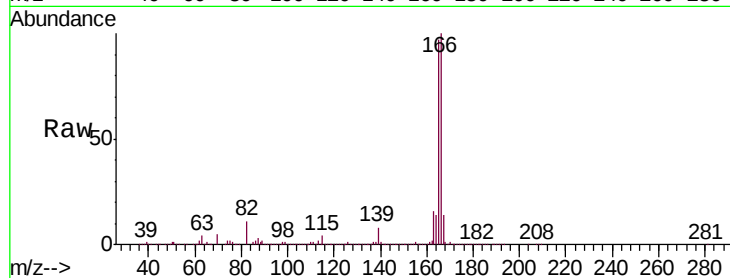




#59
Fluorene
 Concen: 97.543 ng/ul
 RT: 15.24 min Scan# 2101
 Delta R.T. 0.01 min
 Lab File: BM023734.D
 Acq: 15 Nov 2019 02:18

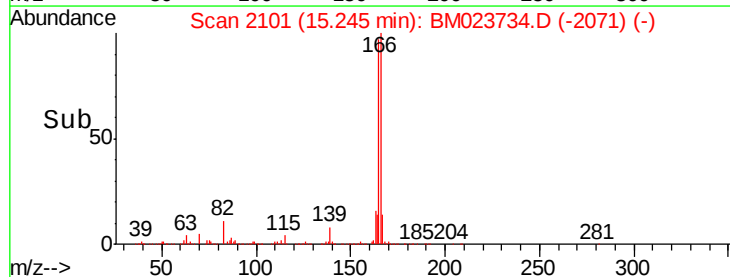
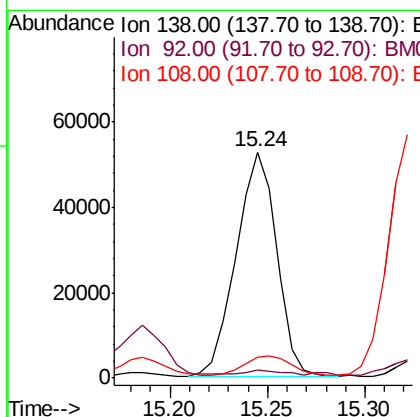
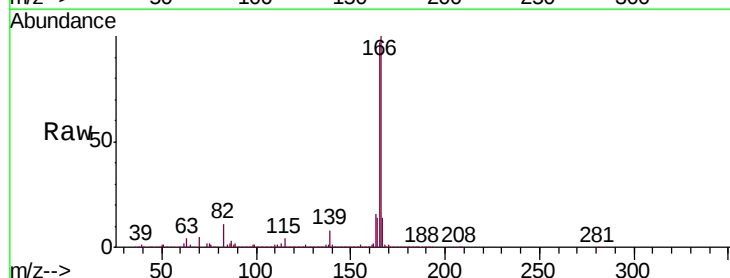
Instrument :
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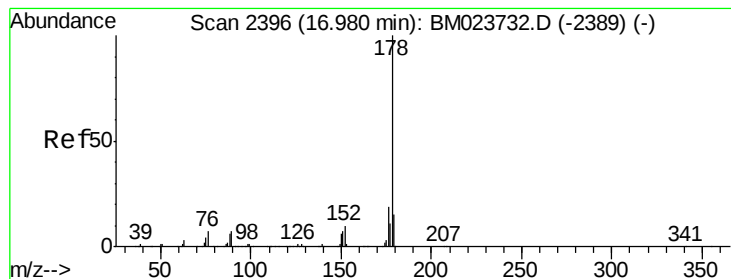
Tgt Ion:166 Resp: 6827483
 Ion Ratio Lower Upper
 166 100
 165 97.0 77.2 115.8
 167 14.4 10.9 16.3



#61
4-Nitroaniline
 Concen: 5.096 ng/ul
 RT: 15.24 min Scan# 2101
 Delta R.T. -0.02 min
 Lab File: BM023734.D
 Acq: 15 Nov 2019 02:18

Tgt Ion:138 Resp: 75683
 Ion Ratio Lower Upper
 138 100
 92 3.5 44.6 66.8#
 108 9.4 66.2 99.4#





#70

Phenanthrene

Concen: 79.204 ng/ul

RT: 16.99 min Scan# 2397

Delta R.T. 0.01 min

Lab File: BM023734.D

Acq: 15 Nov 2019 02:18

Instrument :

BNA_M

ClientSampleId :

BEGY9

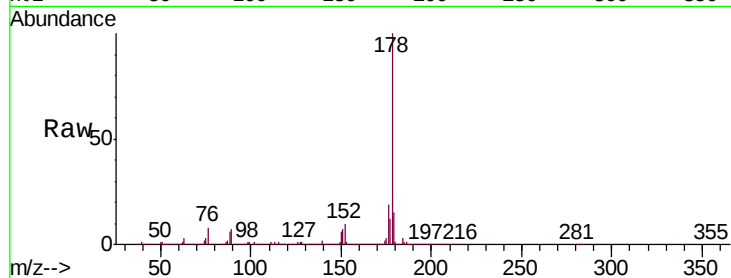
Tgt Ion:178 Resp: 8348896

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

176 19.5 15.0 22.6

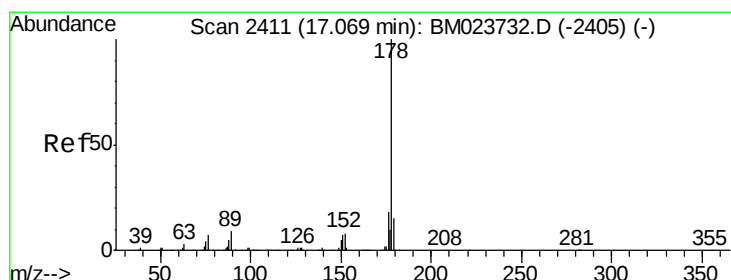
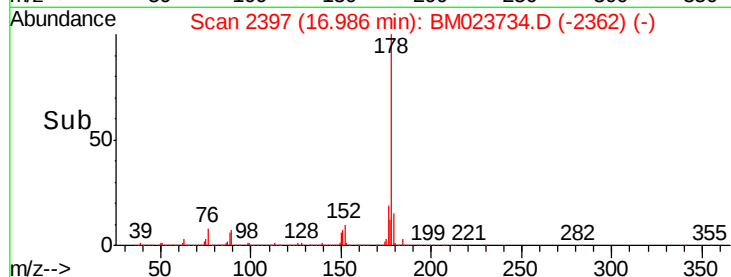
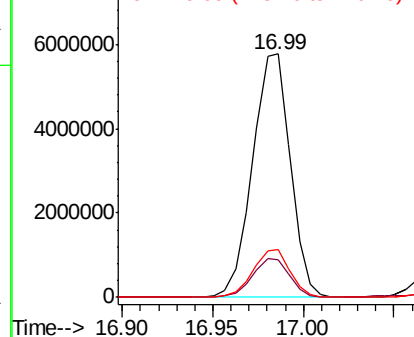


Abundance

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

Anthracene

Concen: 8.565 ng/ul

RT: 17.07 min Scan# 2412

Delta R.T. 0.01 min

Lab File: BM023734.D

Acq: 15 Nov 2019 02:18

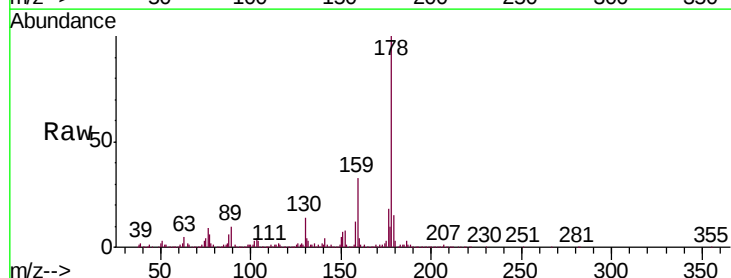
Tgt Ion:178 Resp: 907848

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

176 18.0 14.7 22.1

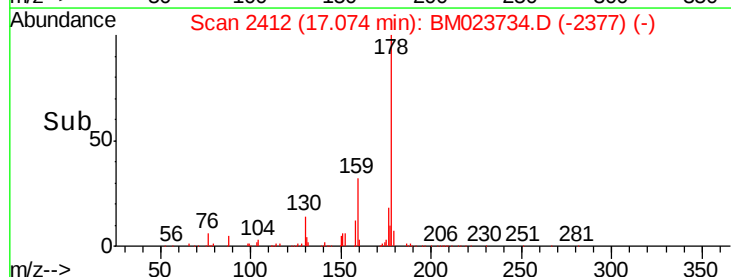
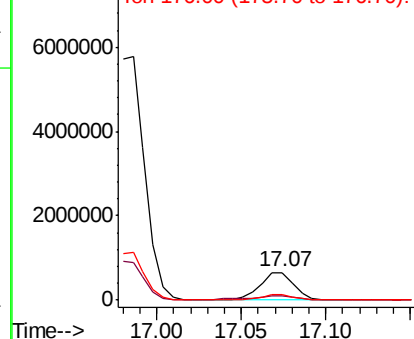


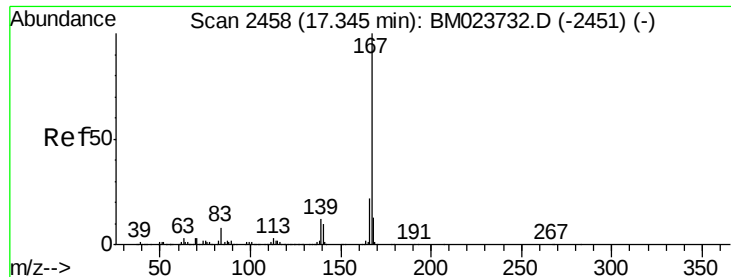
Abundance

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





#75

Carbazole

Concen: 173.537 ng/ul

RT: 17.35 min Scan# 2459

Delta R.T. 0.01 min

Lab File: BM023734.D

Acq: 15 Nov 2019 02:18

Instrument :

BNA_M

ClientSampleId :

BEGY9

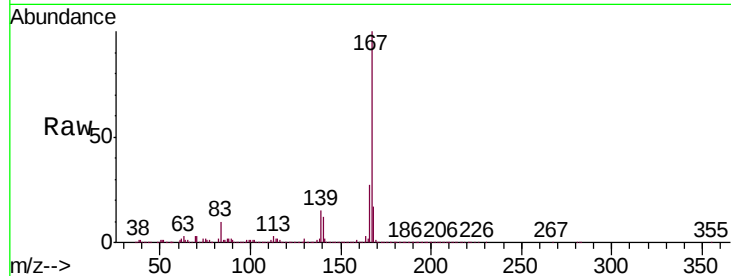
Tgt Ion:167 Resp:15332968

Ion Ratio Lower Upper

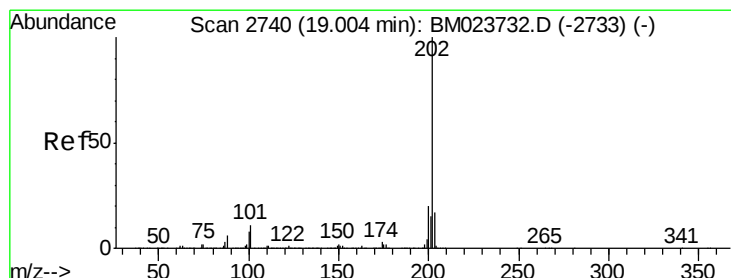
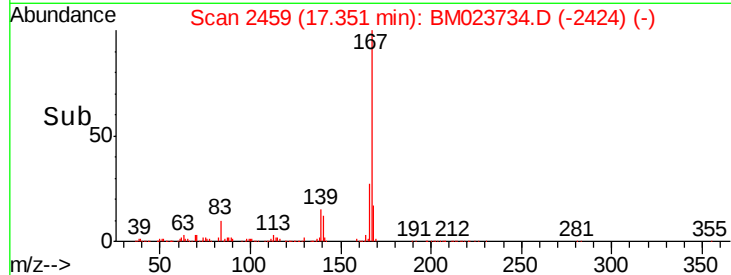
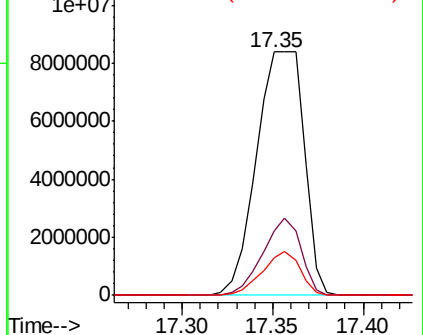
167 100

166 26.5 17.1 25.7#

139 15.2 9.8 14.6#



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: 9.271 ng/ul

RT: 19.00 min Scan# 2740

Delta R.T. -0.00 min

Lab File: BM023734.D

Acq: 15 Nov 2019 02:18

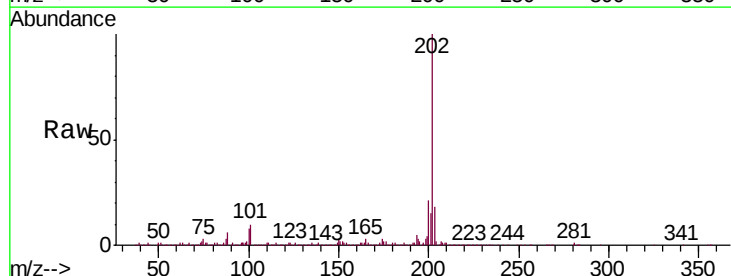
Tgt Ion:202 Resp: 1046960

Ion Ratio Lower Upper

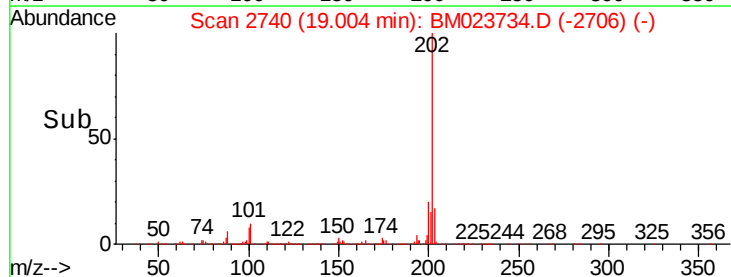
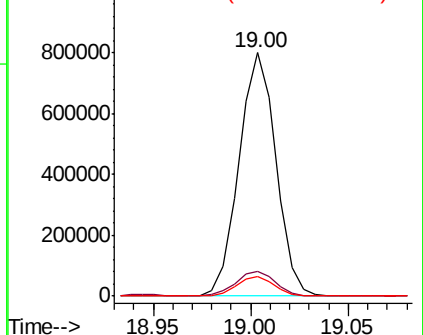
202 100

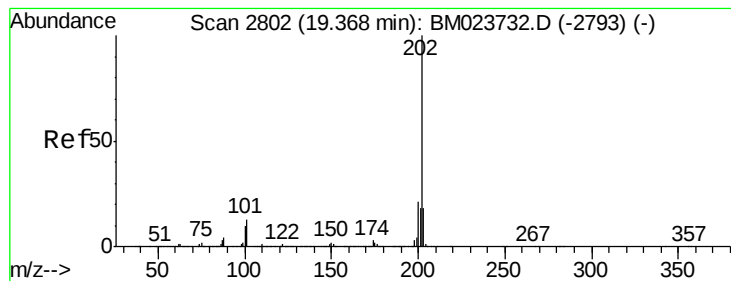
101 10.2 7.7 11.5

100 8.1 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): B





#80

Pyrene

Concen: 4.340 ng/ul

RT: 19.37 min Scan# 2802

Delta R.T. -0.00 min

Lab File: BM023734.D

Acq: 15 Nov 2019 02:18

Instrument :

BNA_M

ClientSampleId :

BEGY9

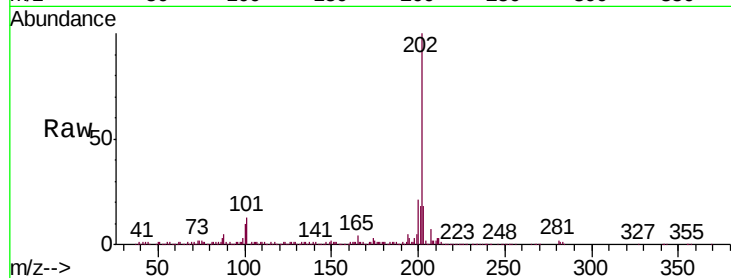
Tgt Ion: 202 Resp: 537227

Ion Ratio Lower Upper

202 100

101 12.9 9.8 14.6

100 9.8 8.1 12.1



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

