

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112018\
 Data File : BM017701.D
 Acq On : 20 Nov 2018 12:15
 Operator : MJ/SJ
 Sample : J6002-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X2E82

Quant Time: Nov 20 13:57:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 20 01:04:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	185293	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	836946	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.25	164	503580	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.00	188	1172115	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	1402475	20.00	ng/ul	0.00
85) Perylene-d12	23.39	264	1385588	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.19	96	17424	4.30	ng/uL	0.00
5) Phenol-d5	6.78	99	466788	27.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	274681	26.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	360056	27.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	349529	25.28	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	178354	27.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	205983	27.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	388491	27.71	ng/ul	0.00
29) 4-Chloroaniline-d4	10.52	131	445523	37.02	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	1419669	32.49	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	1635909	30.94	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	214914	27.05	ng/ul	0.00
57) Fluorene-d10	15.25	176	1230433	32.61	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	206719	24.67	ng/ul	0.00
70) Anthracene-d10	17.10	188	1998627	34.25	ng/ul	0.00
78) Pyrene-d10	19.40	212	2322345	34.22	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.25	264	2624411	34.92	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.81	94	867439	51.353	ng/ul 97
20) Nitrobenzene	8.79	77	655132	40.602	ng/ul 99
21) Isophorone	9.31	82	1634306	54.446	ng/ul 99
28) Naphthalene	10.42	128	2518032	57.744	ng/ul 99
34) 2-Methylnaphthalene	12.04	142	1447572	44.469	ng/ul 100
38) 2,4,6-Trichlorophenol	12.66	196	711174	65.123	ng/ul 98
40) 1,1'-Biphenyl	13.07	154	1628177	39.277	ng/ul 100
47) Acenaphthylene	13.96	152	1346908	27.273	ng/ul 100
53) Dibenzofuran	14.65	168	2611601	51.852	ng/ul 99
56) Diethylphthalate	15.09	149	1828679	41.933	ng/ul 99
66) Hexachlorobenzene	16.30	284	542983	36.472	ng/ul 95
68) Pentachlorophenol	16.65	266	597643	64.526	ng/ul 99
71) Anthracene	17.13	178	3309357	48.277	ng/ul 100
74) Carbazole	17.42	167	3555114	58.858	ng/ul 100
76) Fluoranthene	19.07	202	3738497	47.418	ng/ul 99
82) Benzo(a)anthracene	21.19	228	3220701	37.024	ng/ul 100
83) Bis(2-ethylhexyl)phthalate	21.13	149	2531559	46.961	ng/ul 100
86) Di-n-octyl phthalate	21.99	149	4729013	48.729	ng/ul 100
91) Indeno(1,2,3-cd)pyrene	25.57	276	3964459	45.810	ng/ul 98
92) Dibenz(a,h)anthracene	25.59	278	3533322	48.357	ng/ul 99
93) Benzo(a,h,i)perylene	26.23	276	3409059	48.740	ng/ul 100

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 20 01:04:58 2018
Response via : Initial Calibration

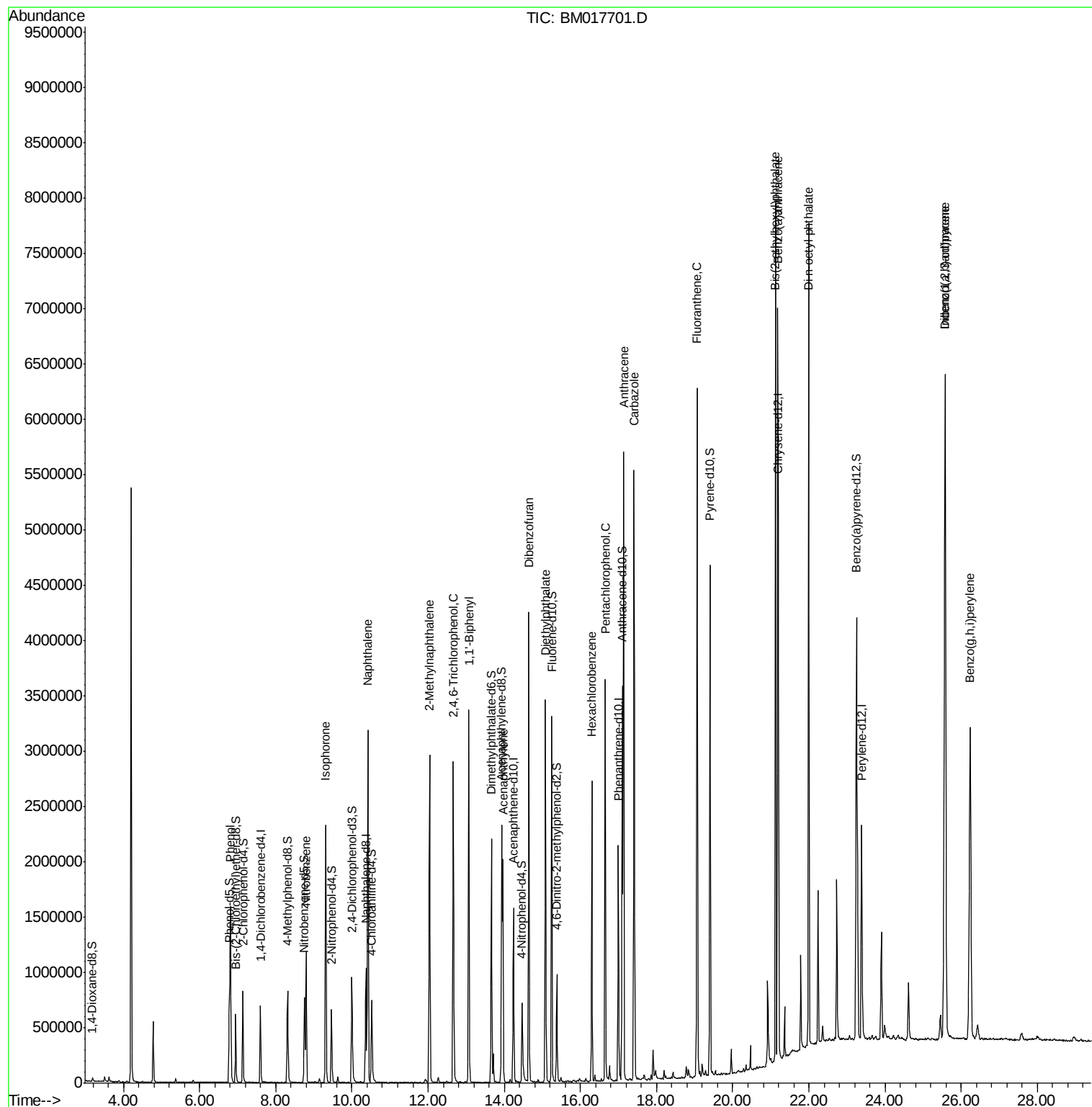
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

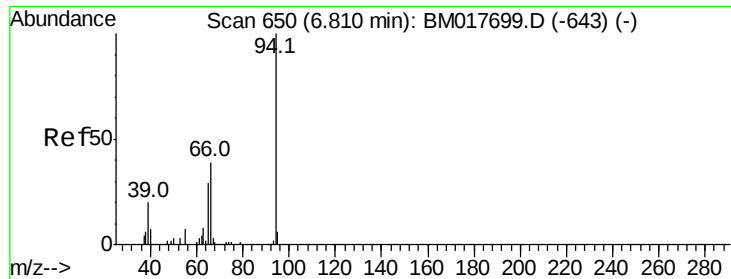
(#)= qualifier out of range (m)= manual integration (+)= signals summed						

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 20 01:04:58 2018
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#6

Phenol

Concen: 51.353 ng/ul

RT: 6.81 min Scan# 650

Delta R.T. 0.00 min

Lab File: BM017701.D

Acq: 20 Nov 2018 12:15

Instrument :

BNA_M

ClientSampleId :

X2E82

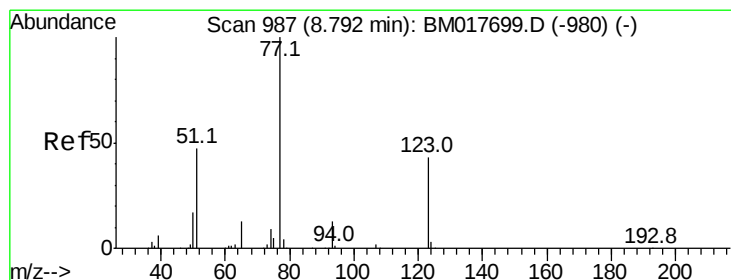
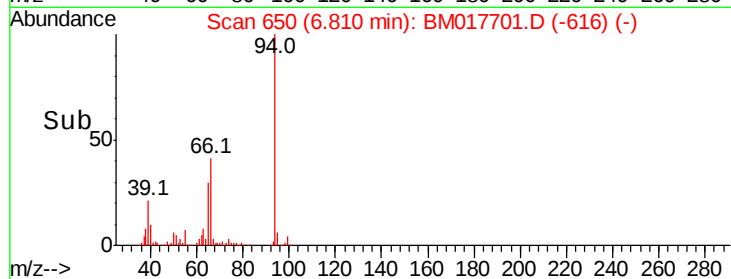
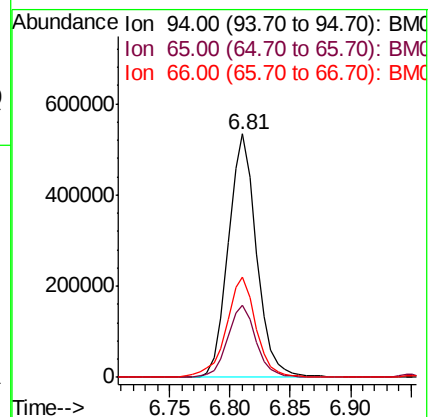
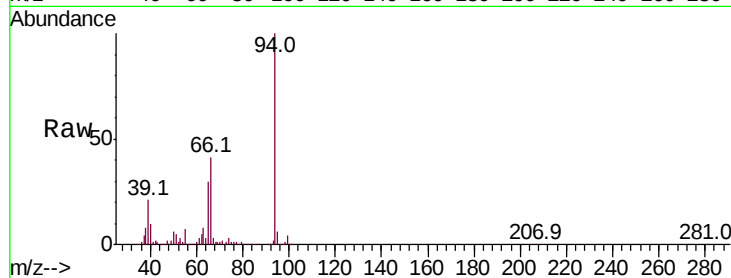
Tot Ion: 94 Resp: 867439

Ion Ratio Lower Upper

94 100

65 29.9 24.7 37.1

66 41.1 34.6 51.8



#20

Nitrobenzene

Concen: 40.602 ng/ul

RT: 8.79 min Scan# 987

Delta R.T. 0.00 min

Lab File: BM017701.D

Acq: 20 Nov 2018 12:15

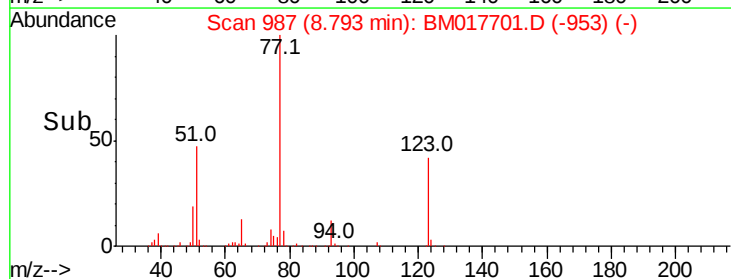
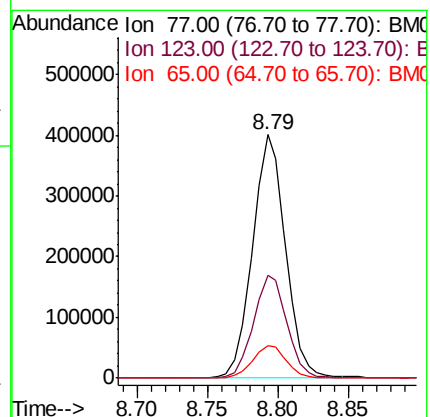
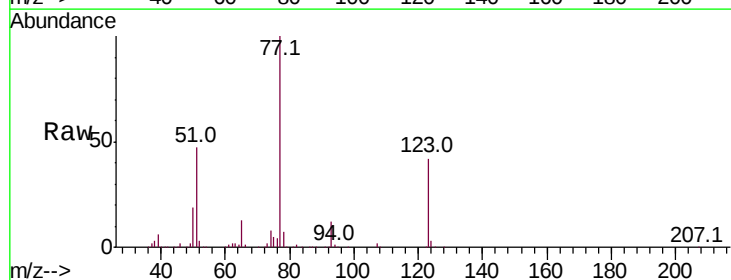
Tgt Ion: 77 Resp: 655132

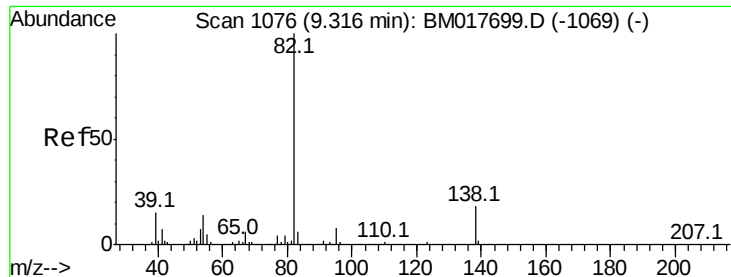
Ion Ratio Lower Upper

77 100

123 42.3 33.1 49.7

65 13.3 11.0 16.6





#21

Isophorone

Concen: 54.446 ng/ul

RT: 9.31 min Scan# 1075

Delta R.T. -0.01 min

Lab File: BM017701.D

Acq: 20 Nov 2018 12:15

Instrument :

BNA_M

ClientSampled :

X2E82

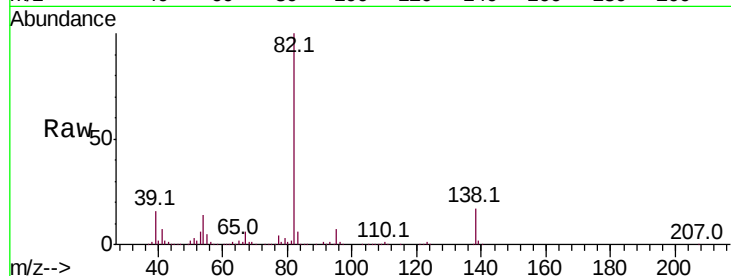
Tot Ion: 82 Resp: 1634306

Ion Ratio Lower Upper

82 100

95 7.5 6.1 9.1

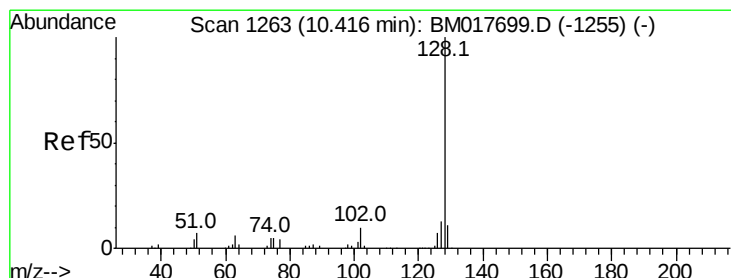
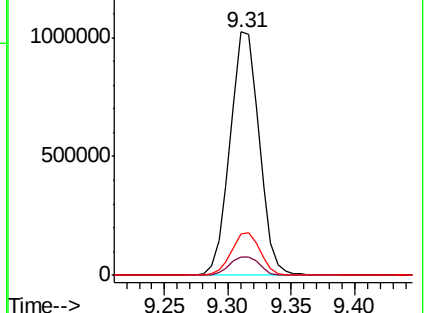
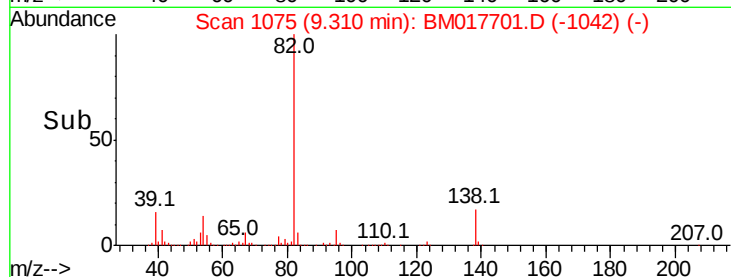
138 17.1 14.2 21.2



Abundance Ion 82.00 (81.70 to 82.70): BM017701.D (-1042) (-)

Ion 95.00 (94.70 to 95.70): BM017701.D (-1042) (-)

Ion 138.00 (137.70 to 138.70): BM017701.D (-1042) (-)



#28

Naphthalene

Concen: 57.744 ng/ul

RT: 10.42 min Scan# 1263

Delta R.T. 0.00 min

Lab File: BM017701.D

Acq: 20 Nov 2018 12:15

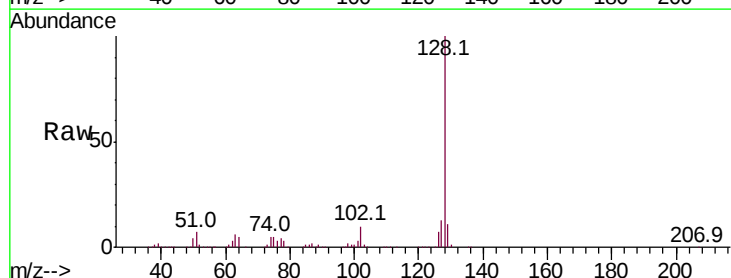
Tgt Ion:128 Resp: 2518032

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

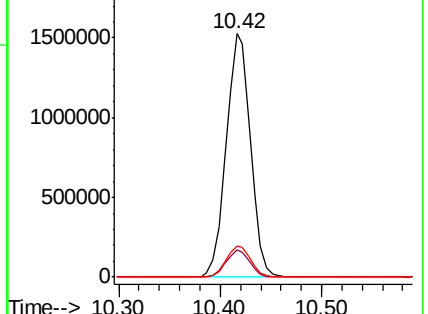
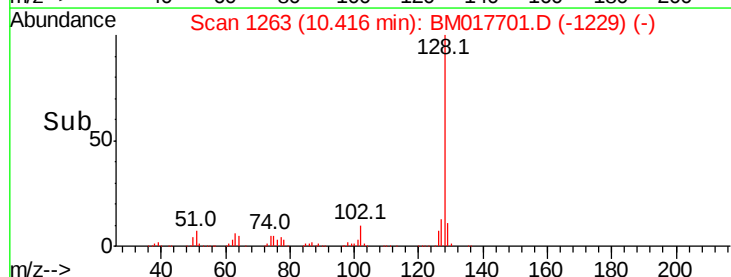
127 13.0 10.8 16.2

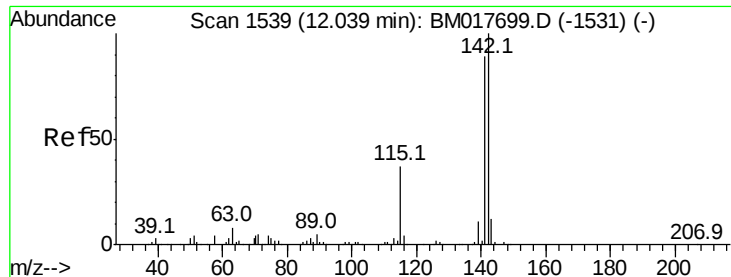


Abundance Ion 128.00 (127.70 to 128.70): BM017701.D (-1229) (-)

Ion 129.00 (128.70 to 129.70): BM017701.D (-1229) (-)

Ion 127.00 (126.70 to 127.70): BM017701.D (-1229) (-)

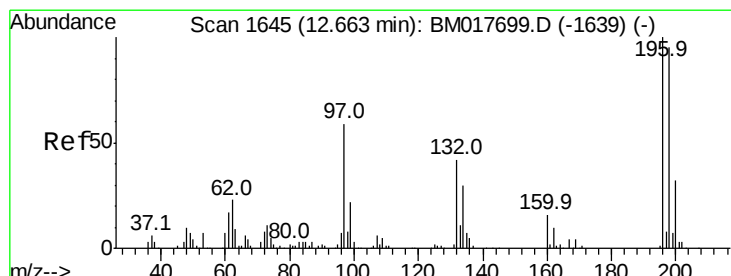
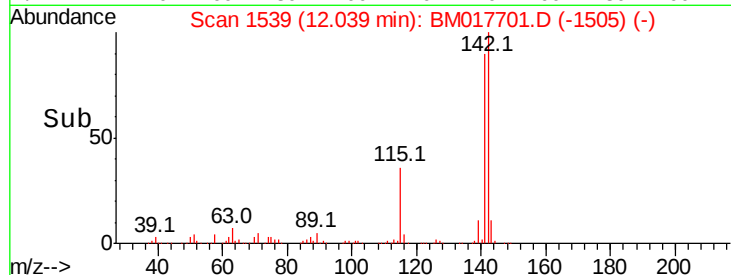
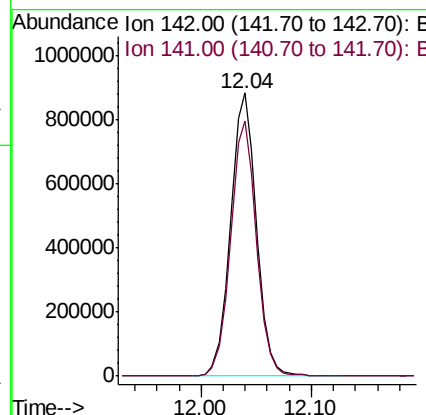
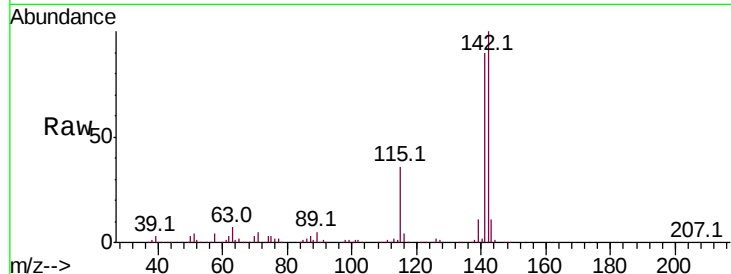




#34
 2-Methylnaphthalene
 Concen: 44.469 ng/ul
 RT: 12.04 min Scan# 1539
 Delta R.T. 0.00 min
 Lab File: BM017701.D
 Acq: 20 Nov 2018 12:15

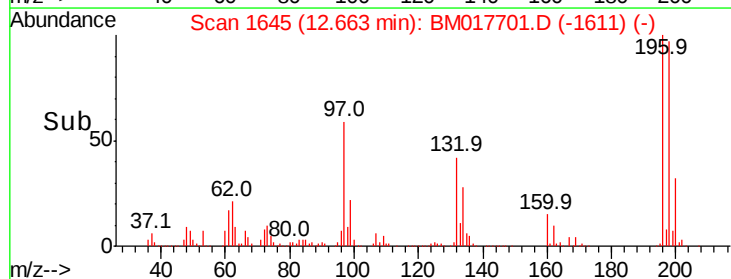
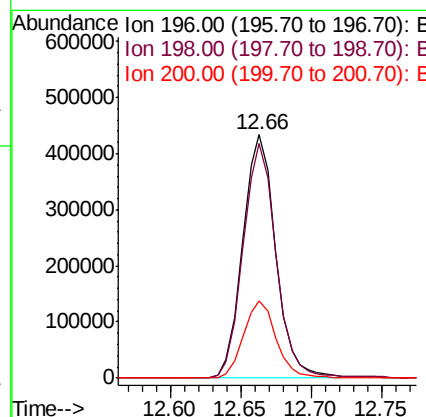
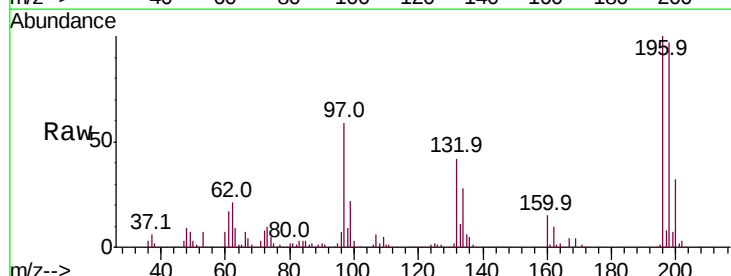
Instrument :
 BNA_M
 ClientSampleId :
 X2E82

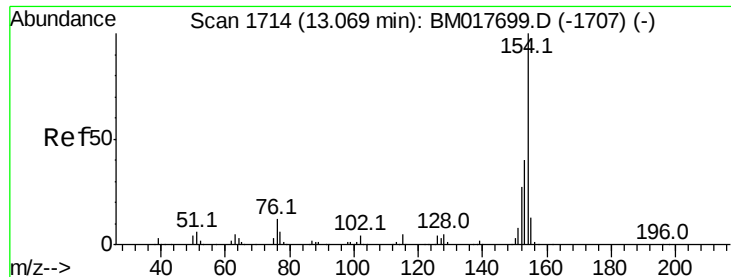
Tot Ion:142 Resp: 1447572
 Ion Ratio Lower Upper
 142 100
 141 90.3 72.6 108.8



#38
 2,4,6-Trichlorophenol
 Concen: 65.123 ng/ul
 RT: 12.66 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: BM017701.D
 Acq: 20 Nov 2018 12:15

Tgt Ion:196 Resp: 711174
 Ion Ratio Lower Upper
 196 100
 198 96.6 74.9 112.3
 200 31.6 25.4 38.2





#40

1,1'-Biphenyl

Concen: 39.277 ng/ul

RT: 13.07 min Scan# 1714

Delta R.T. 0.00 min

Lab File: BM017701.D

Acq: 20 Nov 2018 12:15

Instrument :

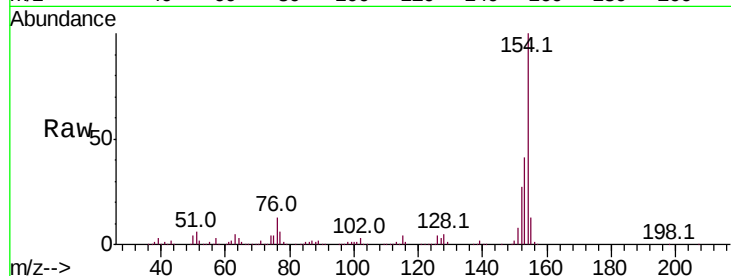
BNA_M

ClientSampleId :

X2E82

Tot Ion:154 Resp: 1628177

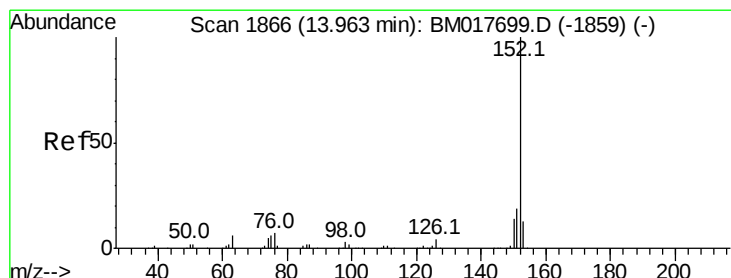
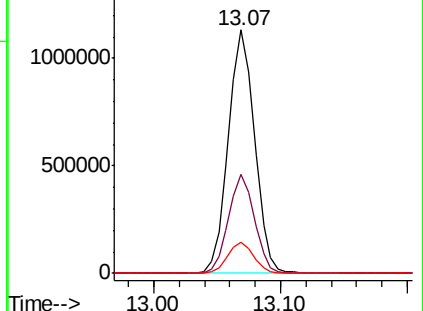
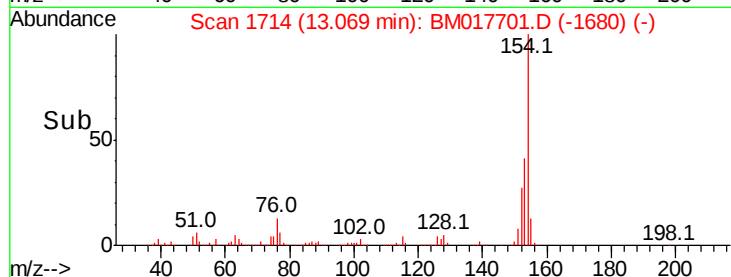
Ion	Ratio	Lower	Upper
154	100		
153	40.6	32.5	48.7
76	12.6	10.6	15.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM



#47

Acenaphthylene

Concen: 27.273 ng/ul

RT: 13.96 min Scan# 1866

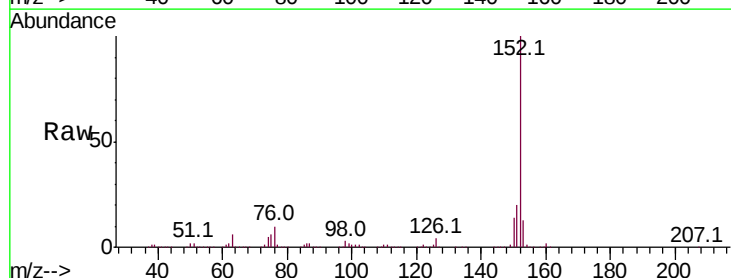
Delta R.T. 0.00 min

Lab File: BM017701.D

Acq: 20 Nov 2018 12:15

Tgt Ion:152 Resp: 1346908

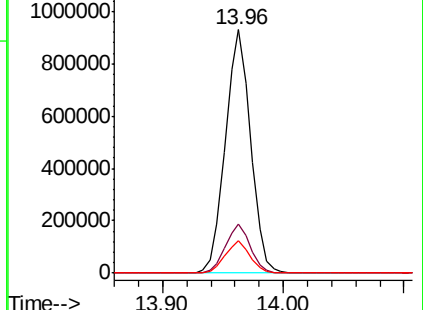
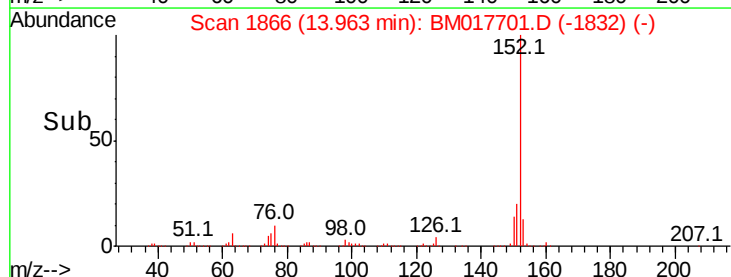
Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.3	10.4	15.6

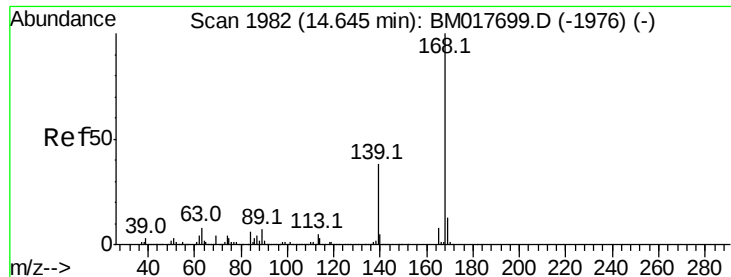


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#53

Dibenzofuran

Concen: 51.852 ng/ul

RT: 14.65 min Scan# 1982

Delta R.T. 0.00 min

Lab File: BM017701.D

Acq: 20 Nov 2018 12:15

Instrument :

BNA_M

ClientSampleId :

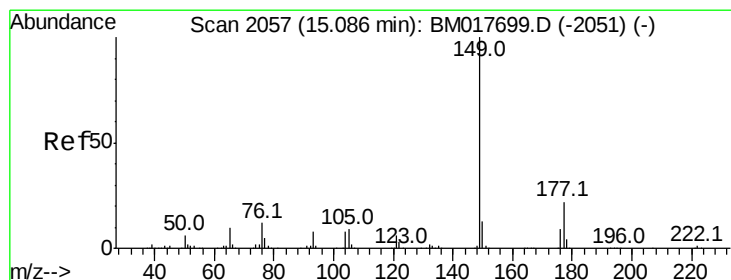
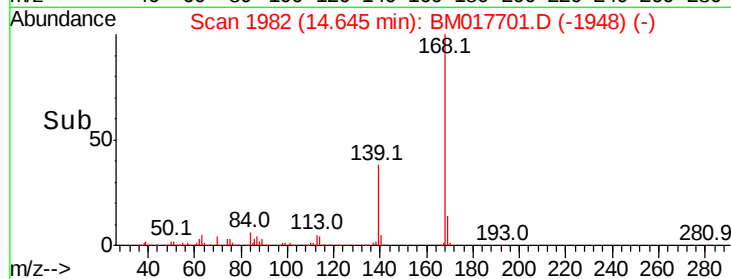
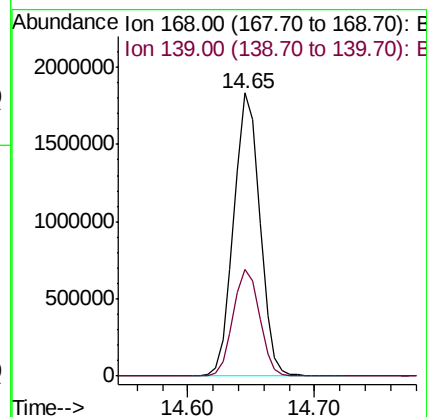
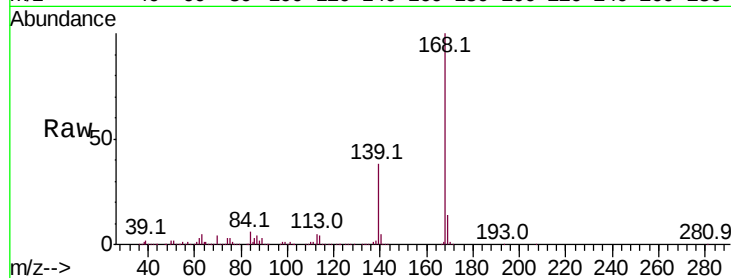
X2E82

Tot Ion:168 Resp: 2611601

Ion Ratio Lower Upper

168 100

139 37.7 30.6 46.0



#56

Diethylphthalate

Concen: 41.933 ng/ul

RT: 15.09 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BM017701.D

Acq: 20 Nov 2018 12:15

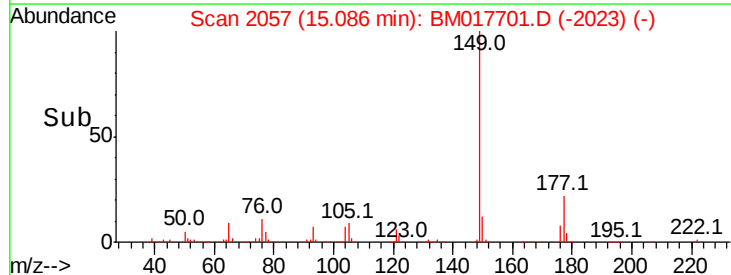
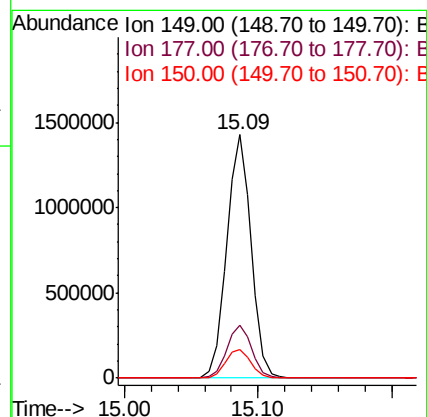
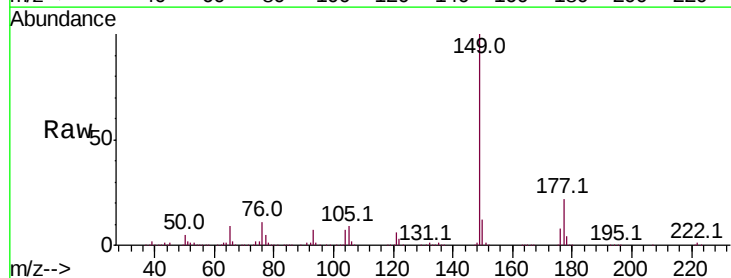
Tgt Ion:149 Resp: 1828679

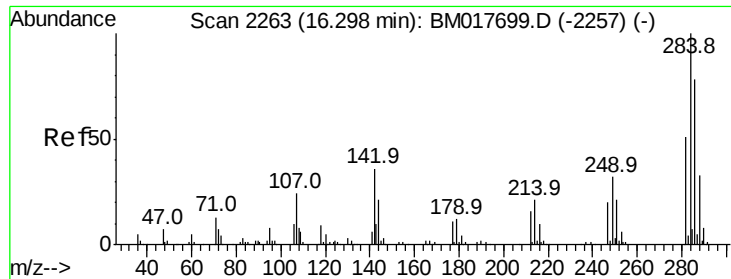
Ion Ratio Lower Upper

149 100

177 21.9 17.0 25.6

150 12.0 10.0 15.0

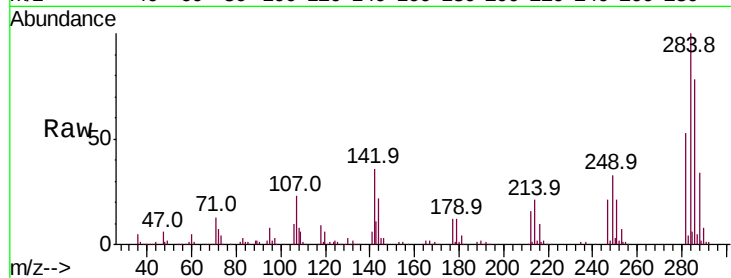




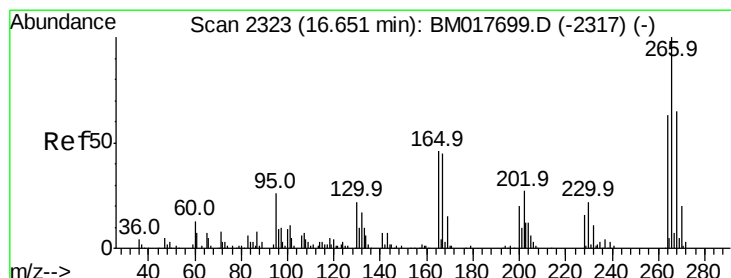
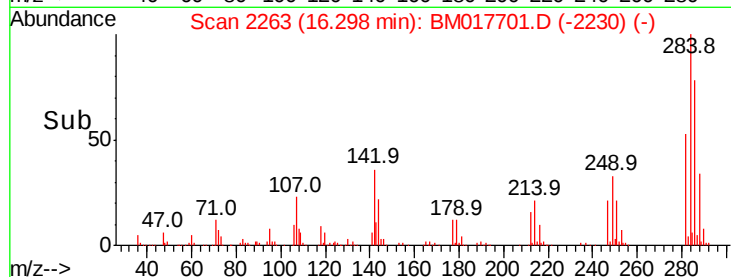
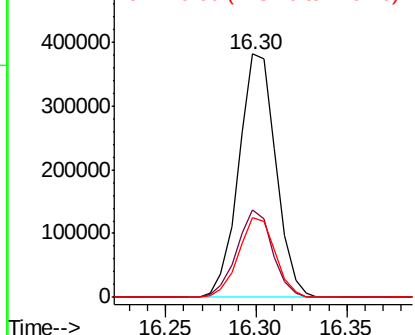
#66
Hexachlorobenzene
Concen: 36.472 ng/ul
RT: 16.30 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BM017701.D
Acq: 20 Nov 2018 12:15

Instrument :
BNA_M
ClientSampled :
X2E82

Tot Ion	Ratio	Lower	Upper
284	100		
142	35.8	26.2	39.4
249	32.9	24.0	36.0

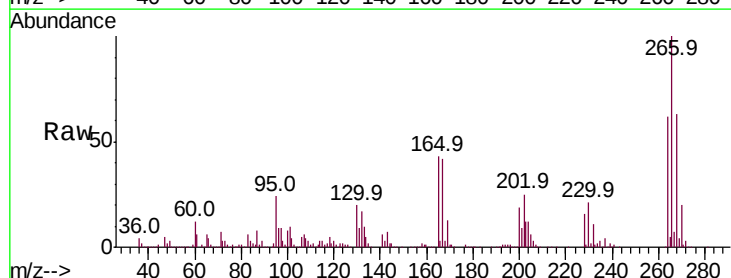


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

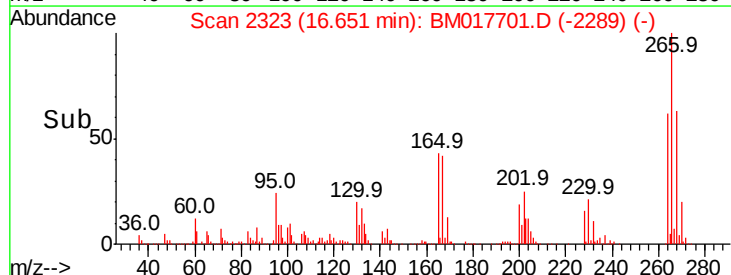
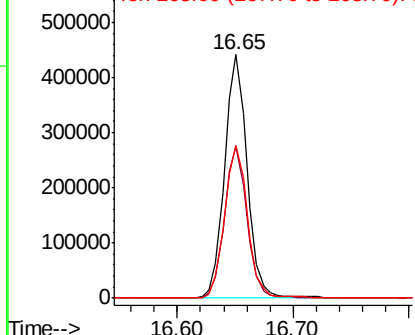


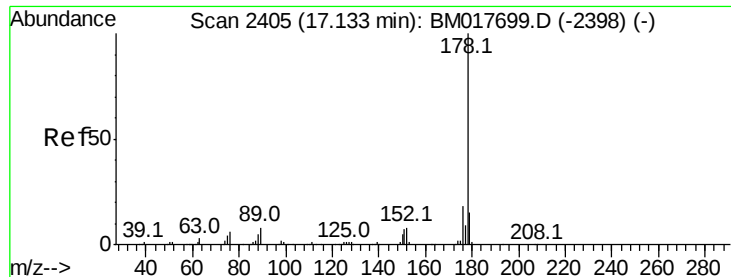
#68
Pentachlorophenol
Concen: 64.526 ng/ul
RT: 16.65 min Scan# 2323
Delta R.T. 0.00 min
Lab File: BM017701.D
Acq: 20 Nov 2018 12:15

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.1	50.2	75.2
268	62.6	49.8	74.8



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E



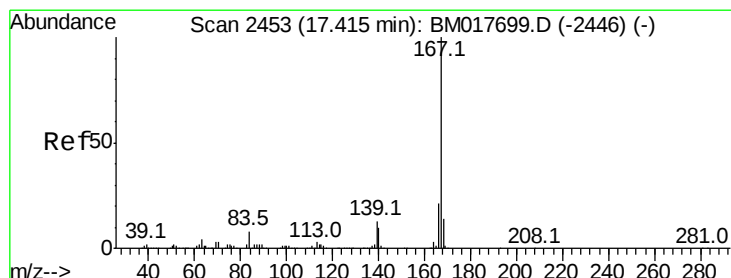
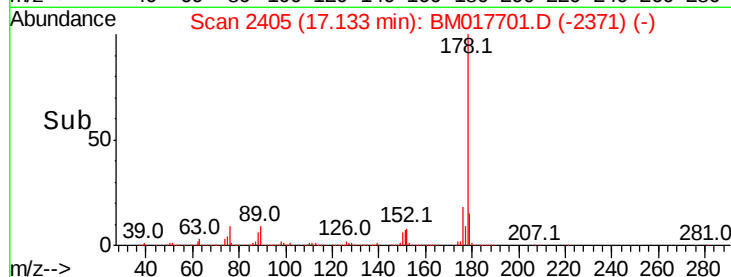
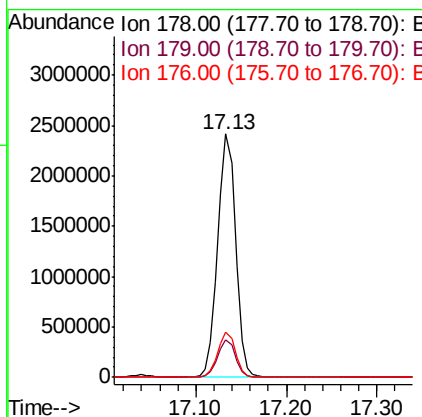
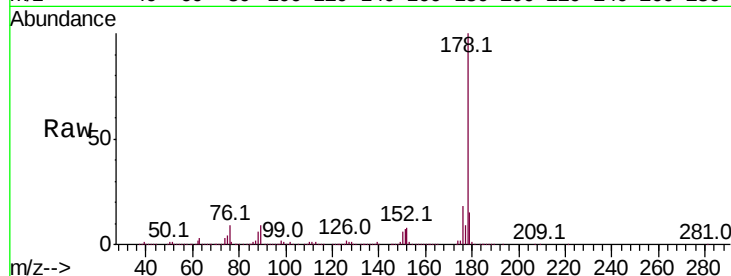


#71
 Anthracene
 Concen: 48.277 ng/ul
 RT: 17.13 min Scan# 2405
 Delta R.T. 0.00 min
 Lab File: BM017701.D
 Acq: 20 Nov 2018 12:15

Instrument :
 BNA_M
 ClientSampleId :
 X2E82

Tot Ion:178 Resp: 3309357

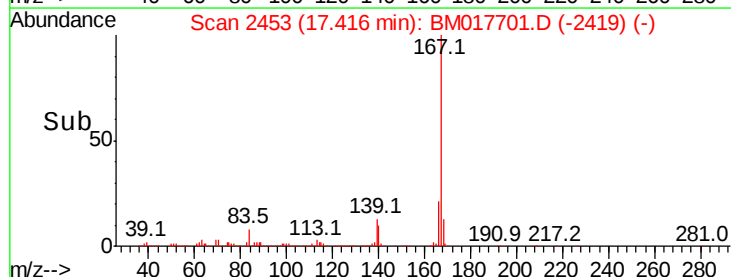
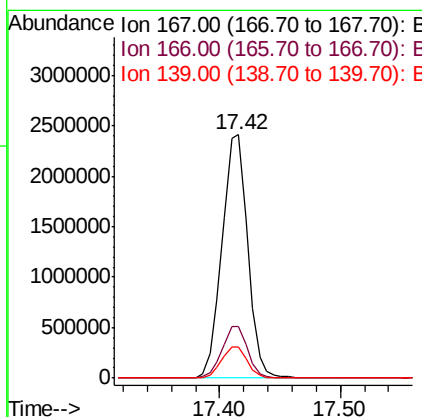
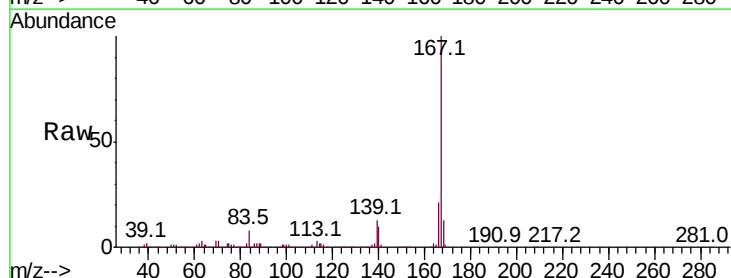
Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6
176	18.4	14.8	22.2

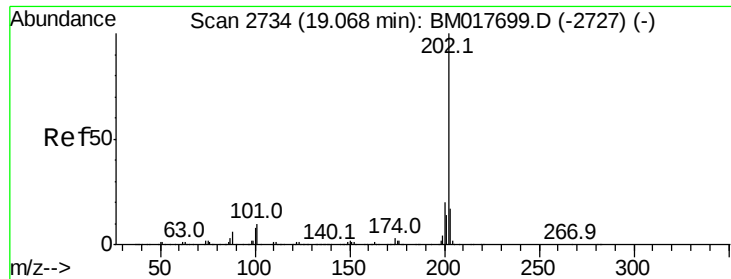


#74
 Carbazole
 Concen: 58.858 ng/ul
 RT: 17.42 min Scan# 2453
 Delta R.T. 0.00 min
 Lab File: BM017701.D
 Acq: 20 Nov 2018 12:15

Tgt Ion:167 Resp: 3555114

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.9	10.5	15.7





#76

Fluoranthene

Concen: 47.418 ng/ul

RT: 19.07 min Scan# 2734

Delta R.T. 0.00 min

Lab File: BM017701.D

Acq: 20 Nov 2018 12:15

Instrument :

BNA_M

ClientSampleId :

X2E82

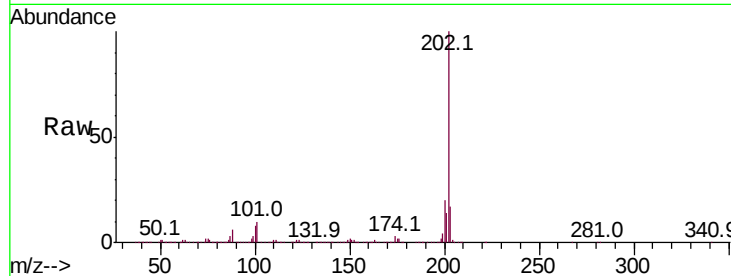
Tot Ion:202 Resp: 3738497

Ion Ratio Lower Upper

202 100

101 10.3 8.4 12.6

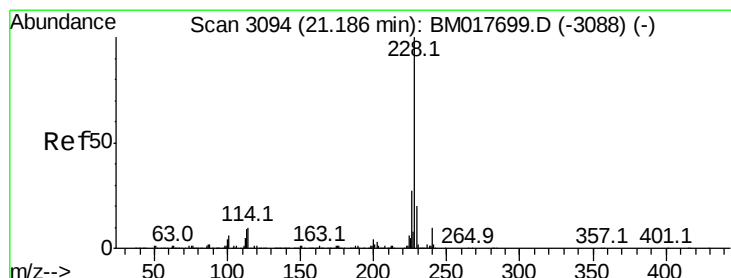
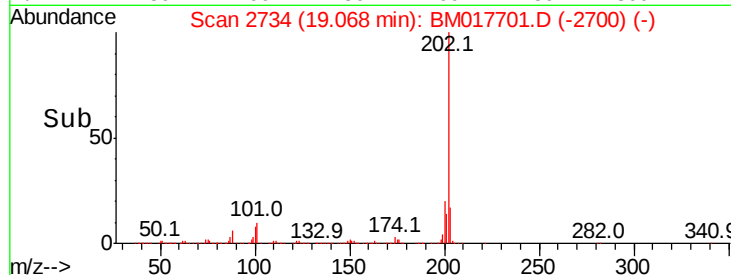
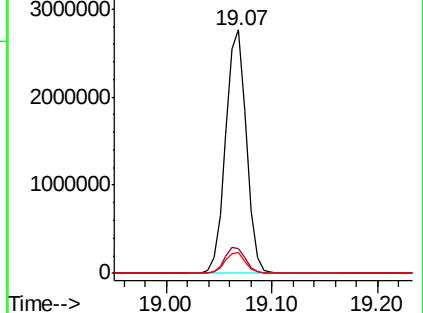
100 8.4 6.6 9.8



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



#82

Benzo(a)anthracene

Concen: 37.024 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BM017701.D

Acq: 20 Nov 2018 12:15

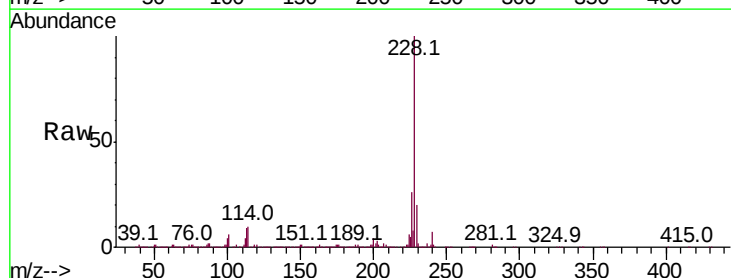
Tgt Ion:228 Resp: 3220701

Ion Ratio Lower Upper

228 100

229 19.7 16.0 24.0

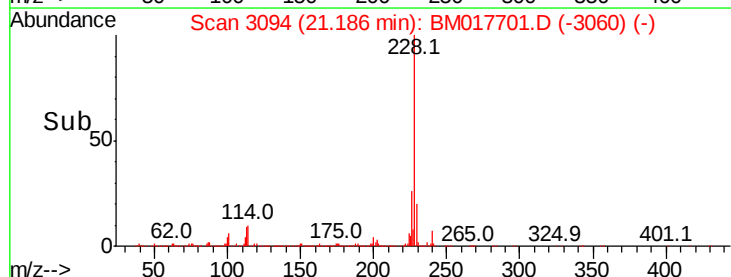
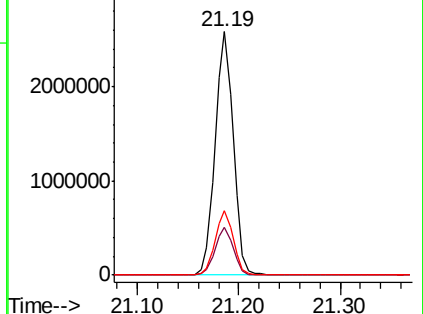
226 26.3 21.0 31.6

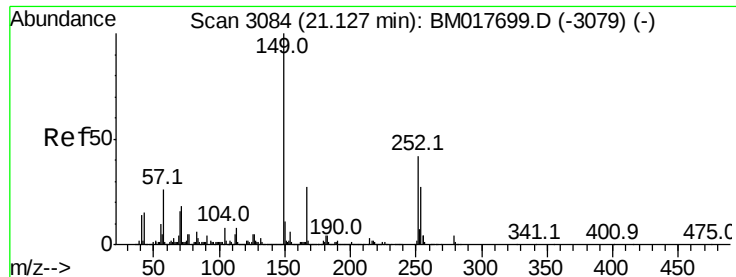


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 46.961 ng/ul

RT: 21.13 min Scan# 3084

Delta R.T. 0.00 min

Lab File: BM017701.D

Acq: 20 Nov 2018 12:15

Instrument :

BNA_M

ClientSampleId :

X2E82

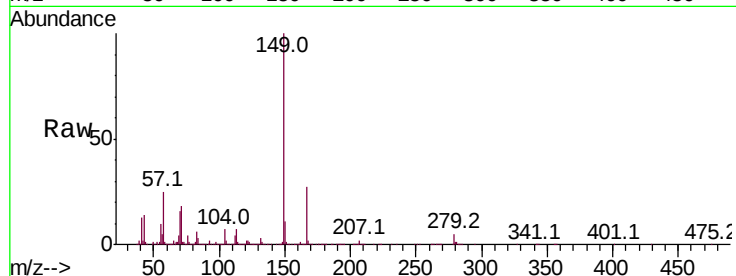
Tot Ion:149 Resp: 2531559

Ion Ratio Lower Upper

149 100

167 27.4 21.9 32.9

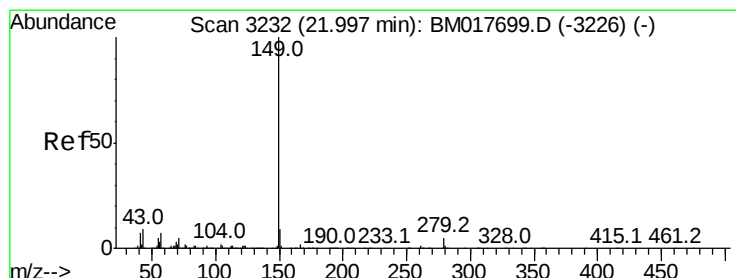
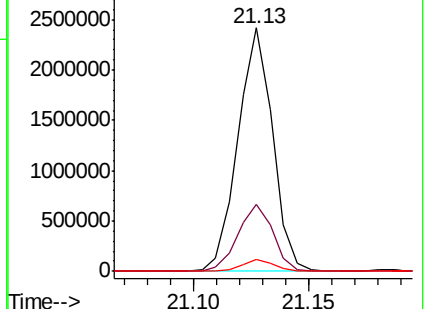
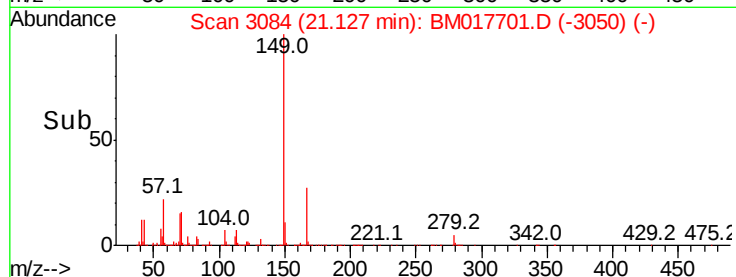
279 4.7 3.6 5.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Di-n-octyl phthalate

Concen: 48.729 ng/ul

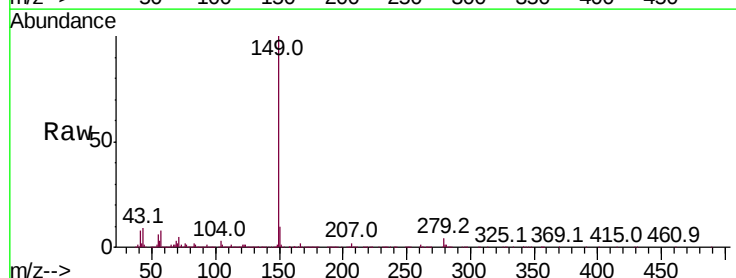
RT: 21.99 min Scan# 3231

Delta R.T. -0.01 min

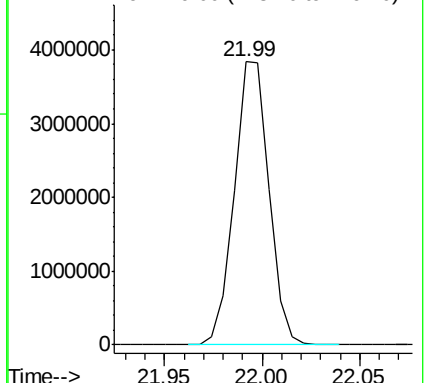
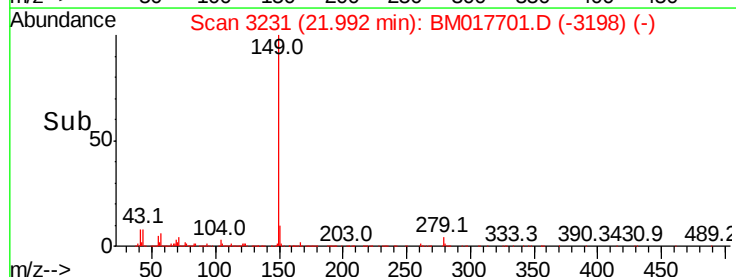
Lab File: BM017701.D

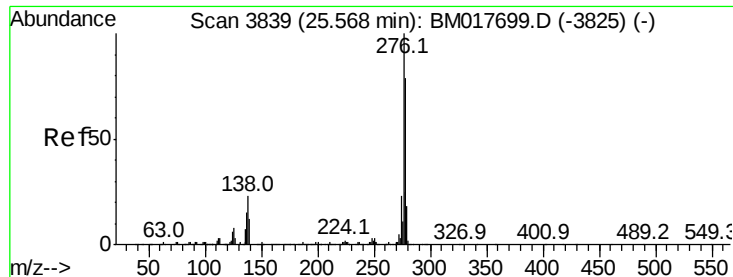
Acq: 20 Nov 2018 12:15

Tgt Ion:149 Resp: 4729013



Abundance Ion 149.00 (148.70 to 149.70): E



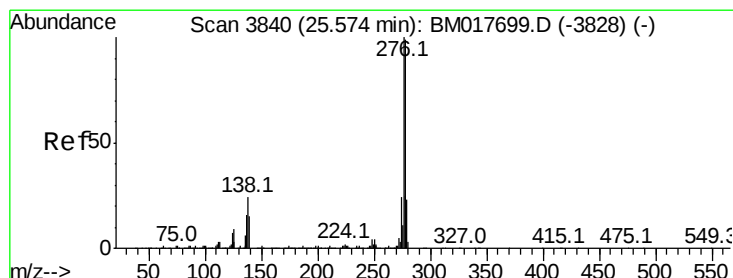
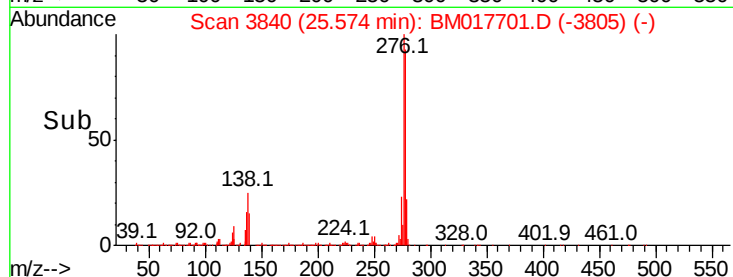
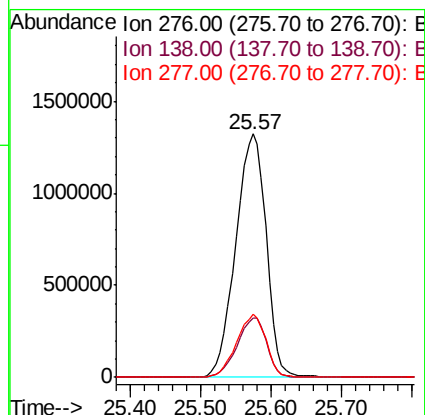
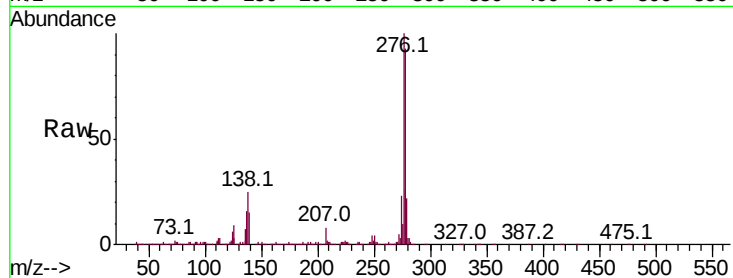


#91

Indeno(1,2,3-cd)pyrene
Concen: 45.810 ng/ul
RT: 25.57 min Scan# 3840
Delta R.T. 0.01 min
Lab File: BM017701.D
Acq: 20 Nov 2018 12:15

Instrument :
BNA_M
ClientSampleId :
X2E82

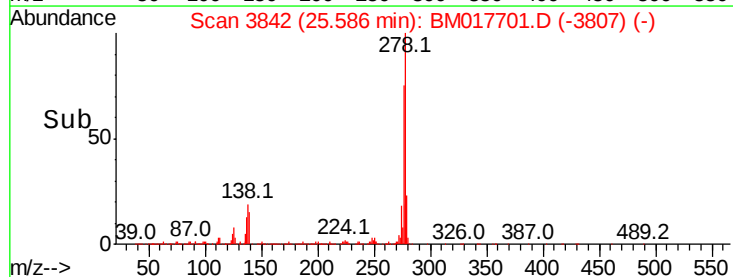
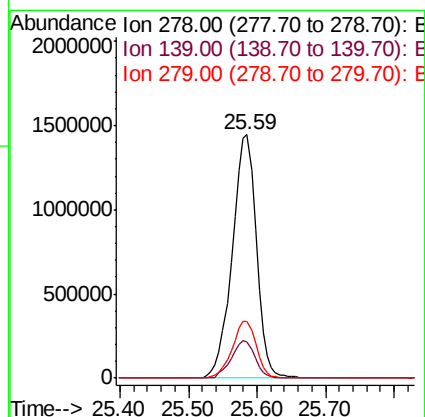
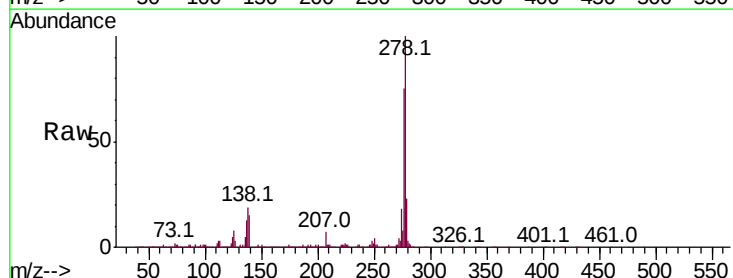
Tot Ion:276 Resp: 3964459
Ion Ratio Lower Upper
276 100
138 24.6 18.2 27.2
277 25.8 20.2 30.4

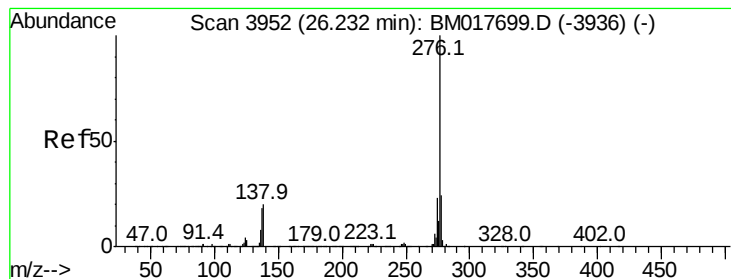


#92

Dibenzo(a,h)anthracene
Concen: 48.357 ng/ul
RT: 25.59 min Scan# 3842
Delta R.T. 0.01 min
Lab File: BM017701.D
Acq: 20 Nov 2018 12:15

Tgt Ion:278 Resp: 3533322
Ion Ratio Lower Upper
278 100
139 14.8 11.5 17.3
279 23.2 18.9 28.3





#93

Benzo(a,h,i)perylene

Concen: 48.740 ng/ul

RT: 26.23 min Scan# 3952

Delta R.T. 0.01 min

Lab File: BM017701.D

Acq: 20 Nov 2018 12:15

Instrument :

BNA_M

ClientSampleId :

X2E82

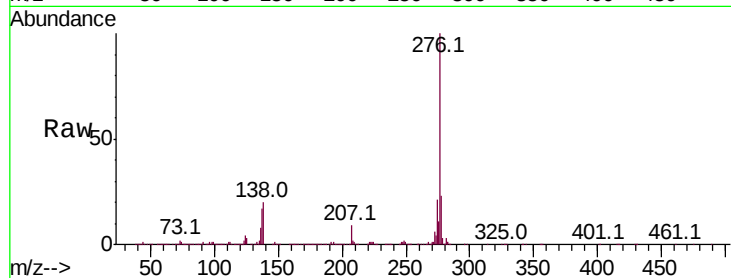
Tot Ion:276 Resp: 3409059

Ion Ratio Lower Upper

276 100

138 19.6 15.8 23.6

277 23.3 18.6 27.8



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

