

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092118\
 Data File : BM016853.D
 Acq On : 22 Sep 2018 04:22
 Operator : SJ/JU
 Sample : J5012-19
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 22 05:14:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM091018MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Sep 22 05:13:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	278157	20.00	ng/ul	0.02
18) Naphthalene-d8	10.50	136	1147259	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.36	164	608335	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.10	188	1322990	20.00	ng/ul	0.00
78) Chrysene-d12	21.29	240	1497601	20.00	ng/ul	0.00
86) Perylene-d12	23.53	264	1640044	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	37546	5.77	ng/uL	0.00
5) Phenol-d5	6.89	99	144875	6.18	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.06	67	434657	29.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	481397	25.14	ng/ul	0.00
13) 4-Methylphenol-d8	8.42	113	285801	15.74	ng/ul	0.00
19) Nitrobenzene-d5	8.88	128	300394	39.85	ng/ul	0.01
22) 2-Nitrophenol-d4	9.59	143	310443	45.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	525597	30.18	ng/ul	0.00
29) 4-Chloroaniline-d4	10.64	131	20122	0.96	ng/ul	0.00
44) Dimethylphthalate-d6	13.77	166	1696755	34.74	ng/ul	0.00
47) Acenaphthylene-d8	14.04	160	2160327	34.24	ng/ul	0.00
52) 4-Nitrophenol-d4	14.55	143	51088	6.37	ng/ul	0.00
58) Fluorene-d10	15.35	176	1513897	35.51	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.47	200	214984	39.58	ng/ul	0.00
71) Anthracene-d10	17.20	188	2323729	36.40	ng/ul	0.00
79) Pyrene-d10	19.50	212	2586539	35.59	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.39	264	3046382	35.61	ng/ul	0.00

Target Compounds

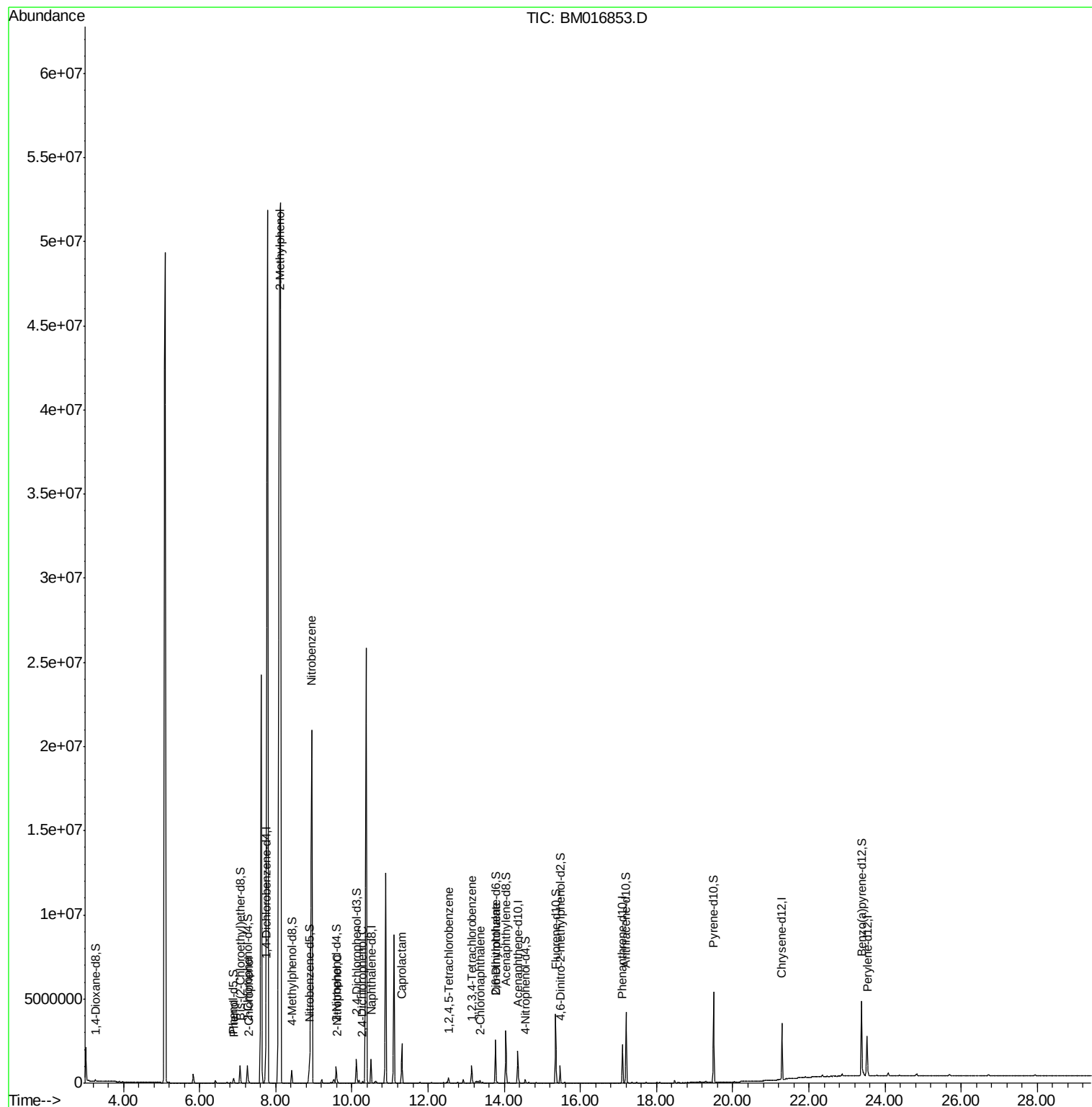
					Ovalue
6) Phenol	6.92	94	31975	1.365	ng/ul 98
10) 2-Chlorophenol	7.29	128	50851	2.644	ng/ul 99
11) 2-Methylphenol	8.12	108	368857	21.015	ng/ul 97
20) Nitrobenzene	8.95	77	14878224	780.254	ng/ul# 85
23) 2-Nitrophenol	9.62	139	18919	2.391	ng/ul 95
27) 2,4-Dichlorophenol	10.27	162	35924	2.147	ng/ul 98
32) Caprolactam	11.31	113	172771	32.649	ng/ul# 1
37) 1,2,4,5-Tetrachlorobenzene	12.53	216	91219	4.366	ng/ul# 98
42) 2-Chloronaphthalene	13.36	162	49859	1.259	ng/ul# 46
46) 2,6-Dinitrotoluene	13.77	165	10212	1.393	ng/ul# 45
73) 1,2,3,4-Tetrachlorobenzene	13.14	216	312903	14.290	ng/uL 97

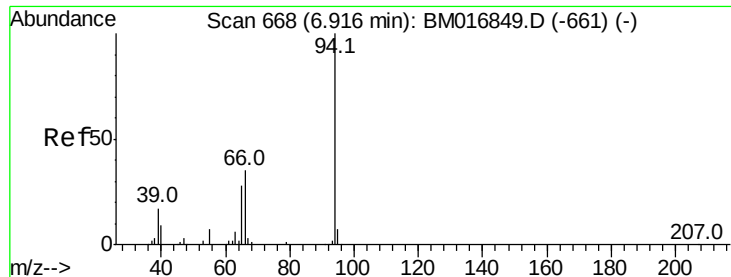
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Sep 22 05:13:53 2018
Response via : Initial Calibration





#6

Phenol

Concen: 1.365 ng/ul

RT: 6.92 min Scan# 668

Delta R.T. -0.00 min

Lab File: BM016853.D

Acq: 22 Sep 2018 04:22

Instrument :

BNA_M

ClientSampled :

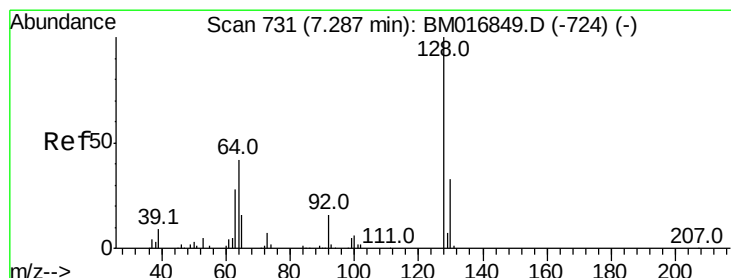
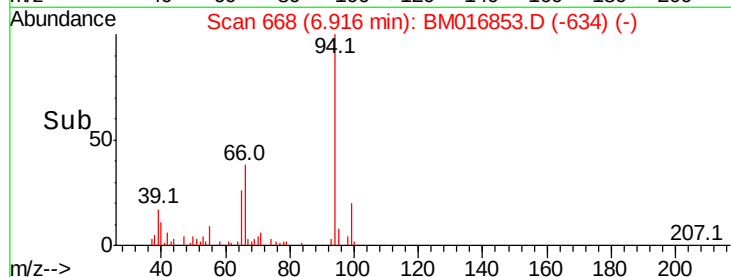
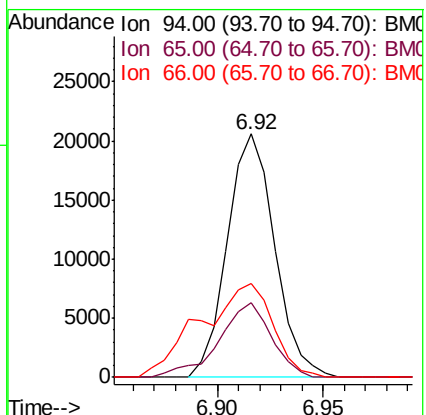
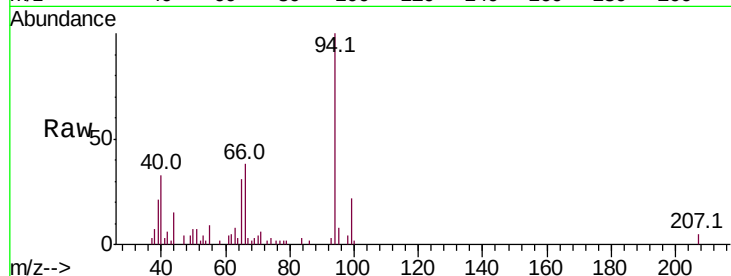
Tot Ion: 94 Resp: 31975

Ion Ratio Lower Upper

94 100

65 30.6 23.0 34.6

66 38.4 30.4 45.6



#10

2-Chlorophenol

Concen: 2.644 ng/ul

RT: 7.29 min Scan# 731

Delta R.T. -0.00 min

Lab File: BM016853.D

Acq: 22 Sep 2018 04:22

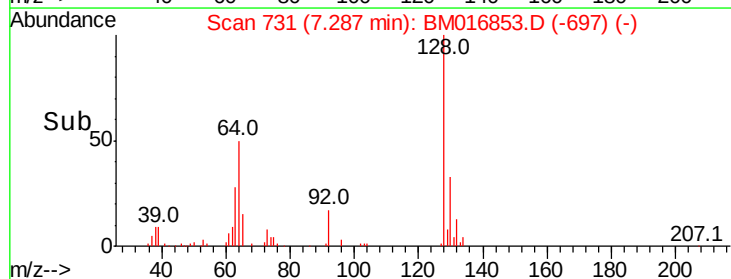
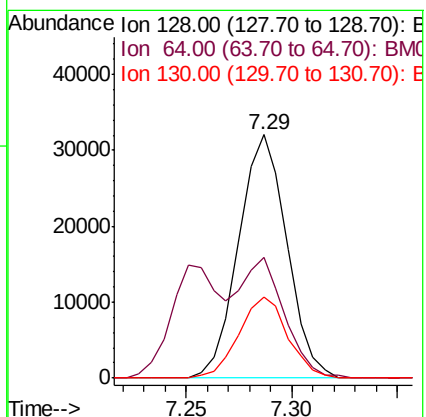
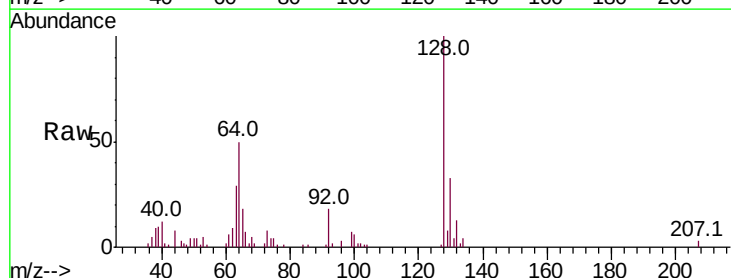
Tgt Ion: 128 Resp: 50851

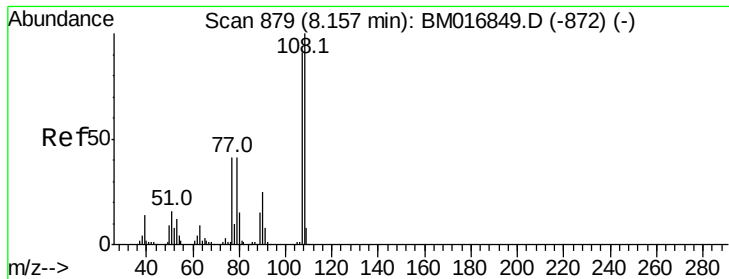
Ion Ratio Lower Upper

128 100

64 49.6 39.8 59.6

130 33.3 25.8 38.8





#11

2-Methylphenol

Concen: 21.015 ng/ul

RT: 8.12 min Scan# 872

Delta R.T. -0.04 min

Lab File: BM016853.D

Acq: 22 Sep 2018 04:22

Instrument :

BNA_M

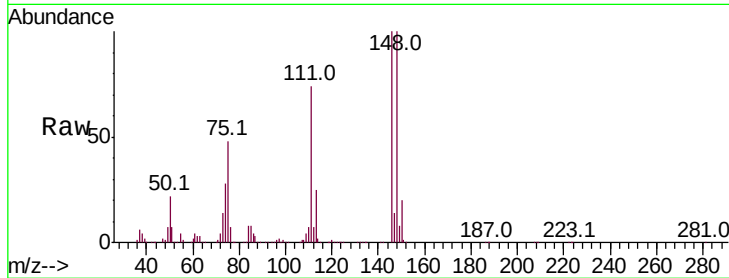
ClientSampled :

Tot Ion:108 Resp: 368857

Ion Ratio Lower Upper

108 100

107 89.7 74.1 111.1



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

120000

100000

80000

60000

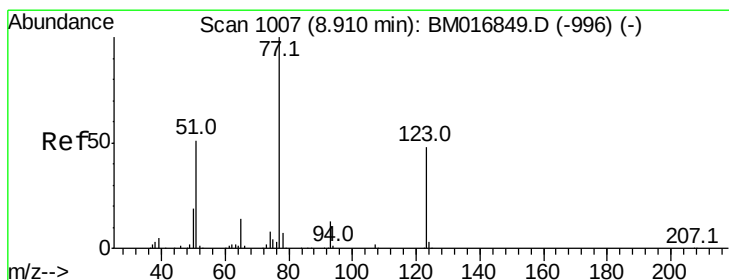
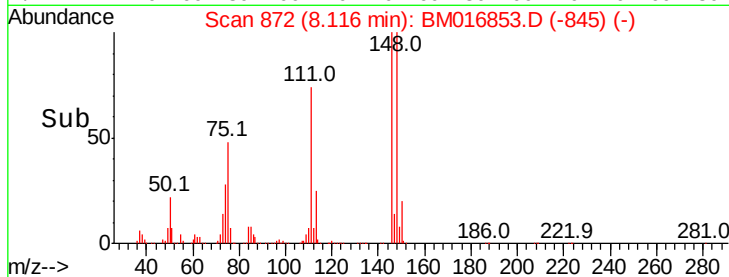
40000

20000

0

8.00 8.05 8.10 8.15

Time-->



#20

Nitrobenzene

Concen: 780.254 ng/ul

RT: 8.95 min Scan# 1013

Delta R.T. 0.04 min

Lab File: BM016853.D

Acq: 22 Sep 2018 04:22

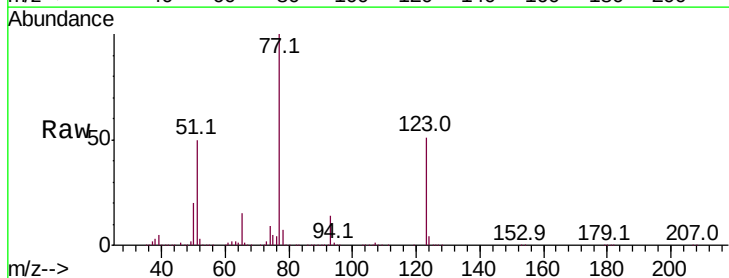
Tgt Ion: 77 Resp:14878224

Ion Ratio Lower Upper

77 100

123 51.4 31.8 47.8#

65 14.6 10.6 16.0



Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM0

8000000

6000000

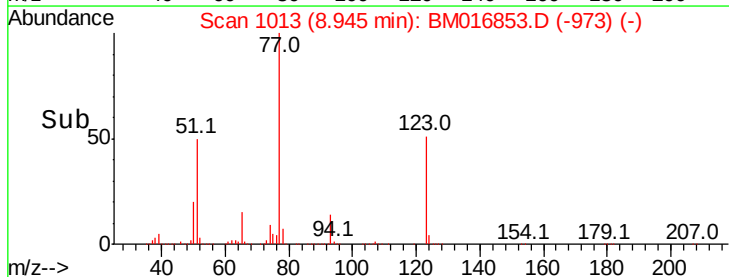
4000000

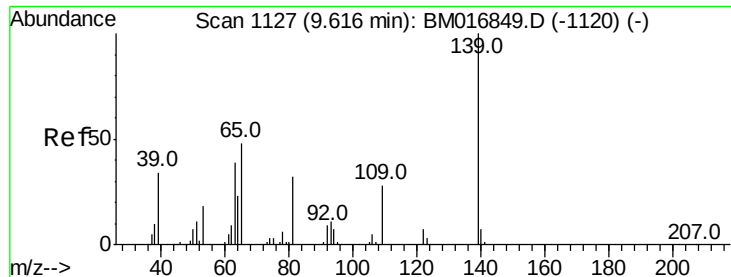
2000000

0

8.80 8.85 8.90 8.95 9.00

Time-->





#23

2-Nitrophenol

Concen: 2.391 ng/ul

RT: 9.62 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BM016853.D

Acq: 22 Sep 2018 04:22

Instrument :

BNA_M

ClientSampled :

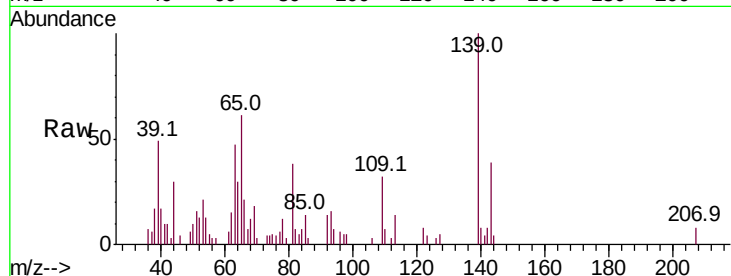
Tot Ion:139 Resp: 18919

Ion Ratio Lower Upper

139 100

65 60.6 45.3 67.9

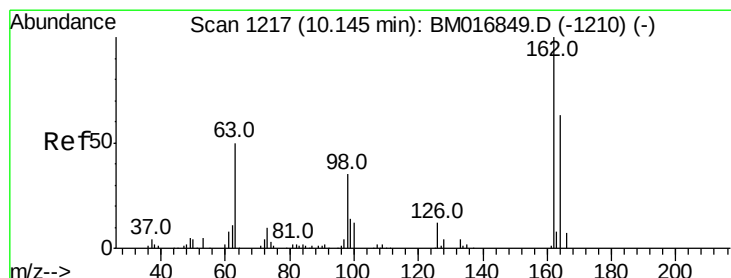
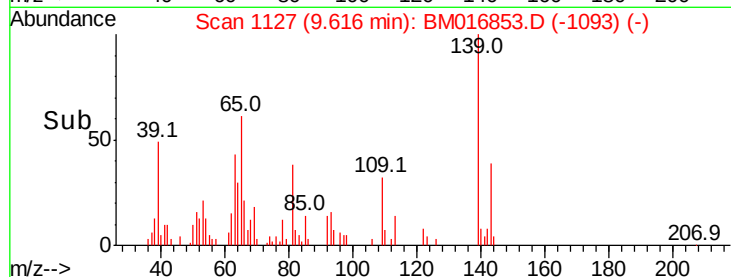
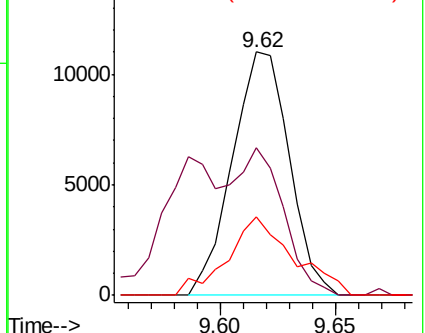
109 32.2 27.7 41.5



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM

Ion 109.00 (108.70 to 109.70): E



#27

2,4-Dichlorophenol

Concen: 2.147 ng/ul

RT: 10.27 min Scan# 1239

Delta R.T. 0.13 min

Lab File: BM016853.D

Acq: 22 Sep 2018 04:22

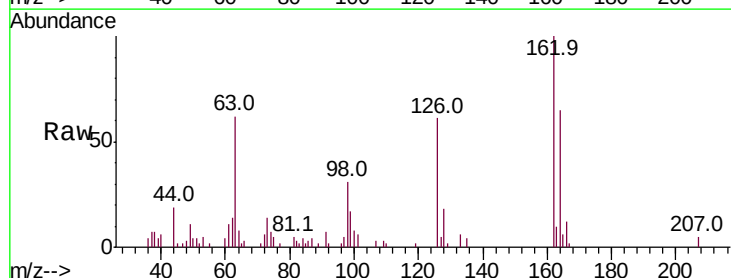
Tgt Ion:162 Resp: 35924

Ion Ratio Lower Upper

162 100

164 64.6 52.0 78.0

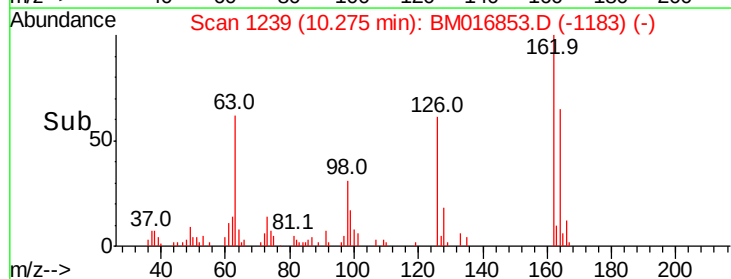
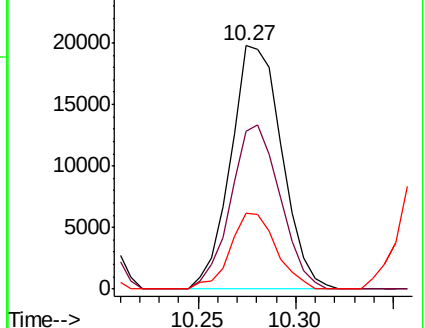
98 31.0 26.6 39.8

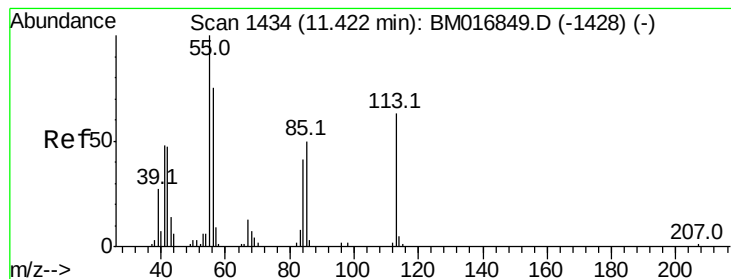


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM





#32

Caprolactam

Concen: 32.649 ng/ul

RT: 11.31 min Scan# 1415

Delta R.T. -0.11 min

Lab File: BM016853.D

Acq: 22 Sep 2018 04:22

Instrument :

BNA_M

ClientSampled :

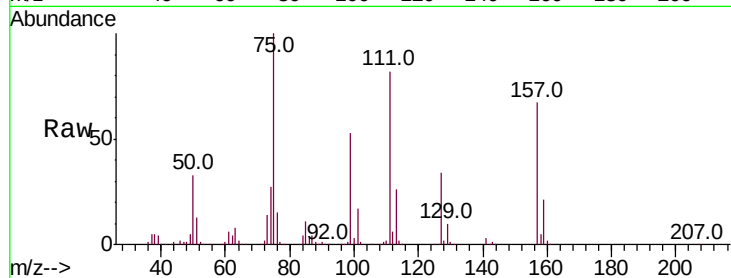
Tot Ion:113 Resp: 172771

Ion Ratio Lower Upper

113 100

55 0.5 131.7 197.5#

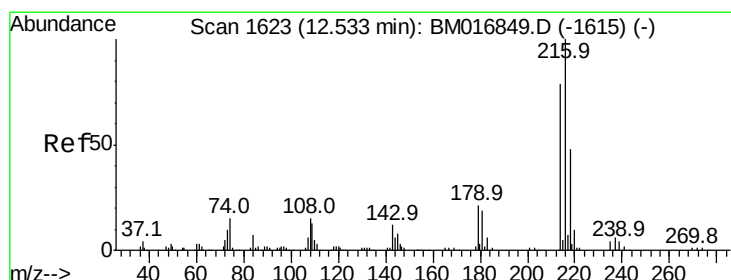
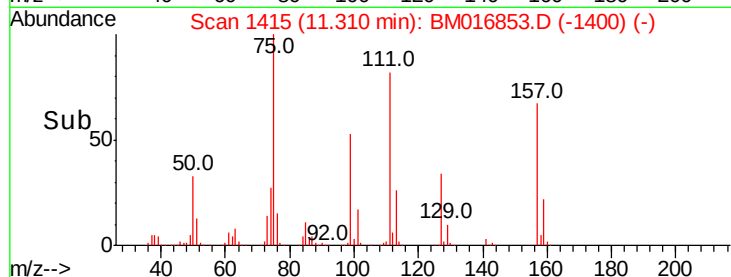
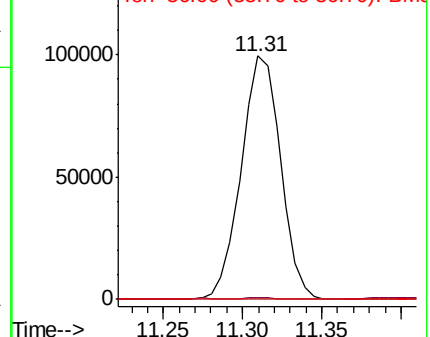
56 0.0 92.7 139.1#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#37

1,2,4,5-Tetrachlorobenzene

Concen: 4.366 ng/ul

RT: 12.53 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BM016853.D

Acq: 22 Sep 2018 04:22

Tgt Ion:216 Resp: 91219

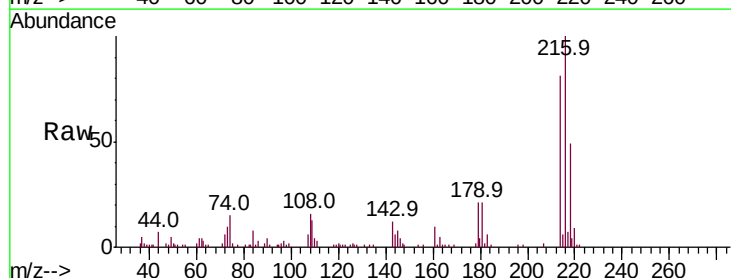
Ion Ratio Lower Upper

216 100

214 80.8 64.1 96.1

179 21.2 14.5 21.7

108 15.7 10.4 15.6#

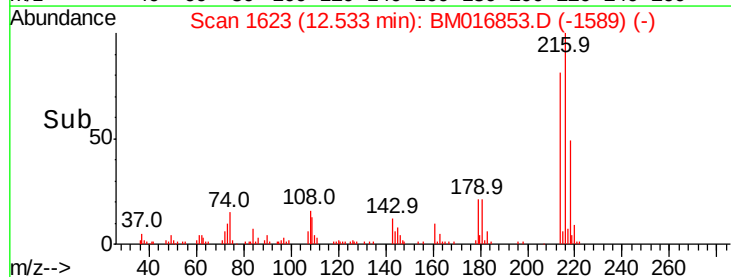
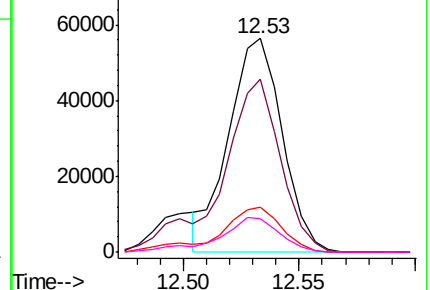


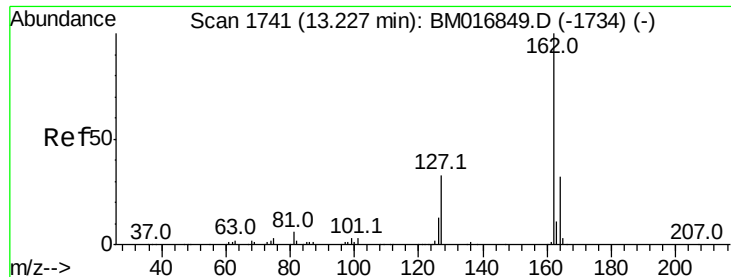
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

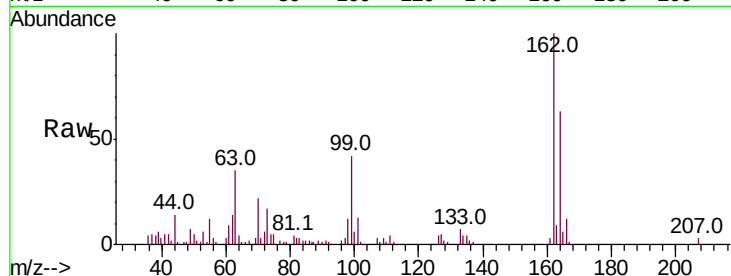




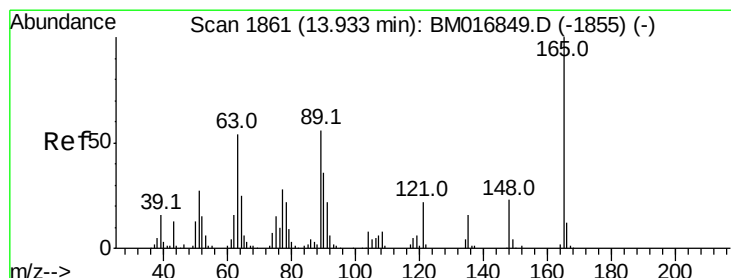
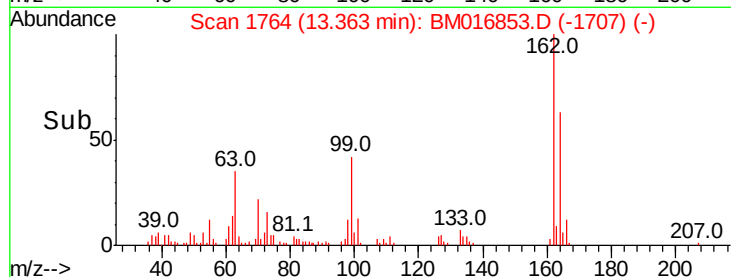
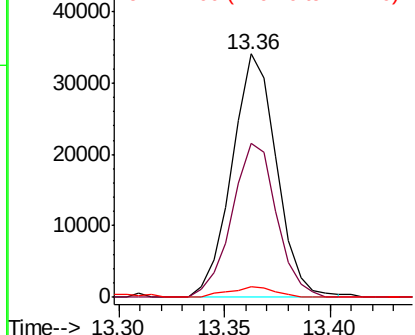
#42
 2-Chloronaphthalene
 Concen: 1.259 ng/ul
 RT: 13.36 min Scan# 1764
 Delta R.T. 0.14 min
 Lab File: BM016853.D
 Acq: 22 Sep 2018 04:22

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:162 Resp: 49859
 Ion Ratio Lower Upper
 162 100
 164 63.3 26.2 39.4#
 127 4.6 29.5 44.3#

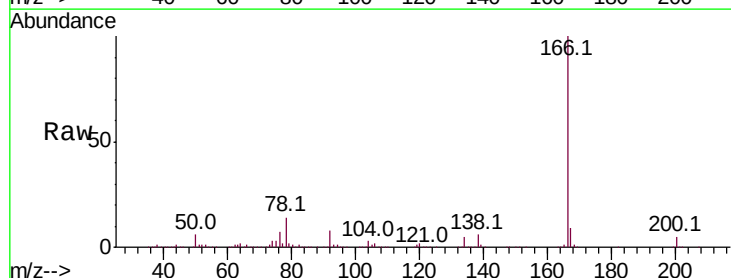


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 127.00 (126.70 to 127.70): E

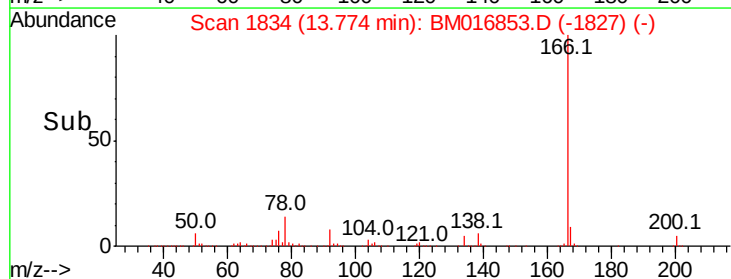
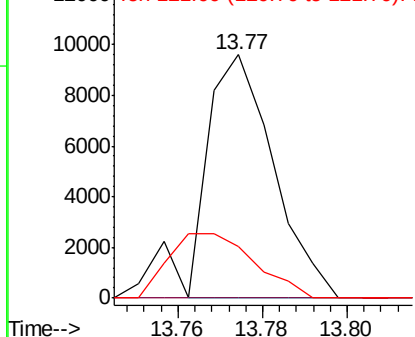


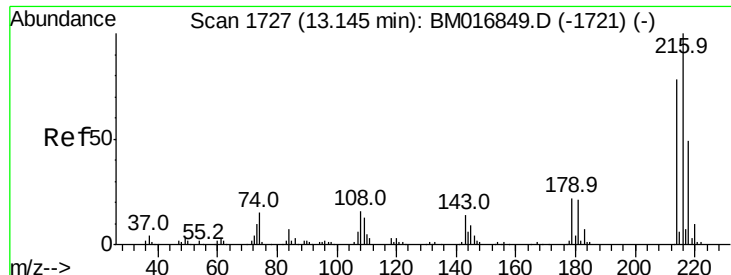
#46
 2,6-Dinitrotoluene
 Concen: 1.393 ng/ul
 RT: 13.77 min Scan# 1834
 Delta R.T. -0.16 min
 Lab File: BM016853.D
 Acq: 22 Sep 2018 04:22

Tgt Ion:165 Resp: 10212
 Ion Ratio Lower Upper
 165 100
 89 0.0 43.8 65.8#
 121 21.4 17.8 26.6



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): BM0
 Ion 121.00 (120.70 to 121.70): E





#73

1,2,3,4-Tetrachlorobenzene

Concen: 14.290 ng/uL

RT: 13.14 min Scan# 1727

Delta R.T. -0.00 min

Lab File: BM016853.D

Acq: 22 Sep 2018 04:22

Instrument :

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ClientSampleId :

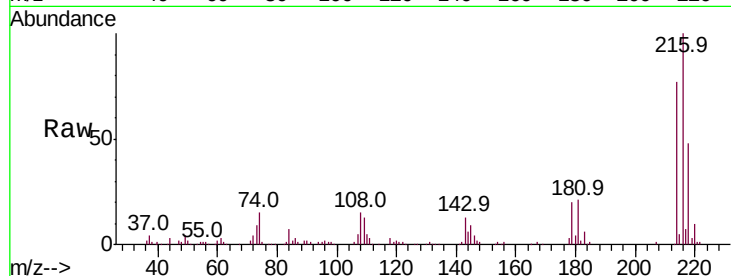
Tot Ion:216 Resp: 312903

Ion Ratio Lower Upper

216 100

214 77.1 64.1 96.1

218 48.2 39.4 59.0



Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 218.00 (217.70 to 218.70): E

