

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092118\
 Data File : BM016839.D
 Acq On : 21 Sep 2018 19:17
 Operator : SJ/JU
 Sample : J5012-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 22 02:22:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM091018MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Sep 22 02:21:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	142489	20.00	ng/ul	0.05
18) Naphthalene-d8	10.52	136	1232210	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.36	164	655845	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.10	188	1432511	20.00	ng/ul	0.00
78) Chrysene-d12	21.29	240	1594603	20.00	ng/ul	0.00
86) Perylene-d12	23.53	264	1691898	20.00	ng/ul	0.00

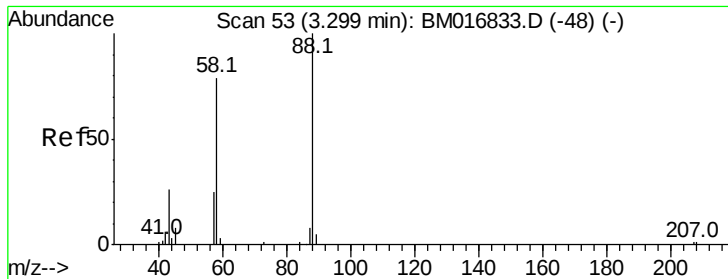
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	40075	12.03	ng/uL	0.00
5) Phenol-d5	6.90	99	159295	13.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	457582	61.48	ng/ul	0.04
9) 2-Chlorophenol-d4	7.27	132	516101	52.62	ng/ul	0.01
13) 4-Methylphenol-d8	8.43	113	321049	34.52	ng/ul	0.01
19) Nitrobenzene-d5	8.89	128	322687	39.85	ng/ul	0.02
22) 2-Nitrophenol-d4	9.60	143	337106	45.80	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.13	165	582103	31.12	ng/ul	0.00
29) 4-Chloroaniline-d4	10.65	131	17497	0.77	ng/ul	0.02
44) Dimethylphthalate-d6	13.77	166	1857721	35.28	ng/ul	0.00
47) Acenaphthylene-d8	14.05	160	2384996	35.06	ng/ul	0.00
52) 4-Nitrophenol-d4	14.55	143	65237	7.55	ng/ul	0.00
58) Fluorene-d10	15.36	176	1633190	35.53	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.47	200	242592	41.25	ng/ul	0.00
71) Anthracene-d10	17.20	188	2478137	35.86	ng/ul	0.00
79) Pyrene-d10	19.50	212	2772447	35.83	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.39	264	3204466	36.31	ng/ul	0.00

Target Compounds

					Ovalue	
2) 1,4-Dioxane	3.31	88	3973	1.146	ng/uL#	77
4) Benzaldehyde	6.91	77	13630	2.015	ng/ul	95
15) N-Nitroso-di-n-propylamine	8.43	70	7327	1.016	ng/ul#	1
17) Hexachloroethane	8.81	117	12436	3.214	ng/ul	87
20) Nitrobenzene	8.95	77	8443489	412.272	ng/ul#	87
23) 2-Nitrophenol	9.63	139	116260	13.681	ng/ul	89
32) Caprolactam	11.32	113	201424	35.440	ng/ul#	1
37) 1,2,4,5-Tetrachlorobenzene	12.54	216	926824	41.148	ng/ul	97
46) 2,6-Dinitrotoluene	13.77	165	14802	1.873	ng/ul#	45
53) 4-Nitrophenol	14.56	109	14959	2.246	ng/ul#	68
73) 1,2,3,4-Tetrachlorobenzene	13.15	216	2431618	102.561	ng/uL	98
74) Pentachlorobenzene	14.67	250	27661	1.293	ng/uL	96

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



#2

1,4-Dioxane

Concen: 1.146 ng/uL

RT: 3.31 min Scan# 55

Delta R.T. 0.01 min

Lab File: BM016839.D

Acq: 21 Sep 2018 19:17

Instrument :

BNA_M

ClientSampleId :

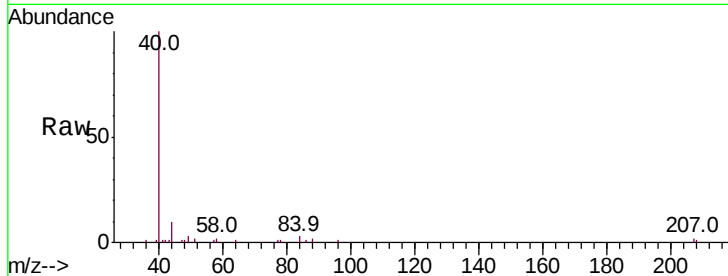
Tot Ion: 88 Resp: 3973

Ion Ratio Lower Upper

88 100

43 40.3 29.0 43.4

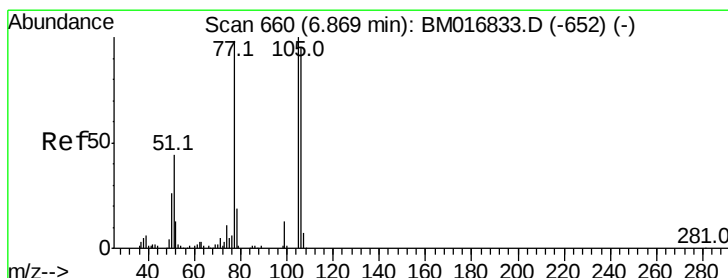
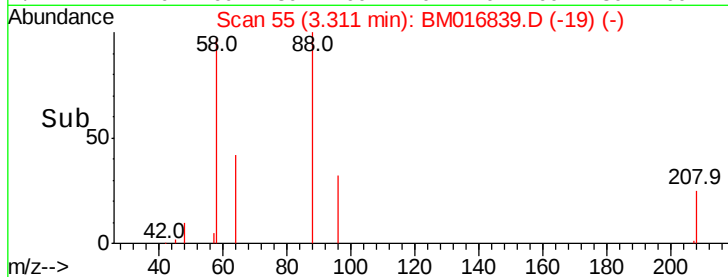
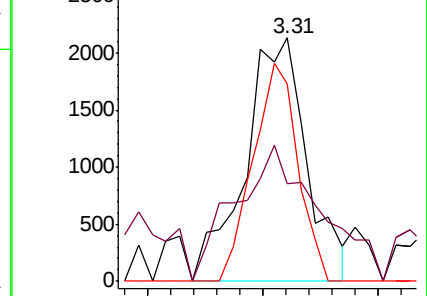
58 81.3 45.9 68.9#



Abundance Ion 88.00 (87.70 to 88.70): BM016839.D (-48) (-)

Ion 43.00 (42.70 to 43.70): BM016839.D (-48) (-)

Ion 58.00 (57.70 to 58.70): BM016839.D (-48) (-)



#4

Benzaldehyde

Concen: 2.015 ng/uL

RT: 6.91 min Scan# 667

Delta R.T. 0.04 min

Lab File: BM016839.D

Acq: 21 Sep 2018 19:17

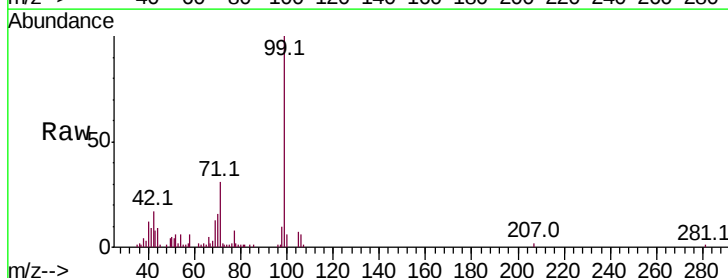
Tgt Ion: 77 Resp: 13630

Ion Ratio Lower Upper

77 100

105 85.4 71.0 106.6

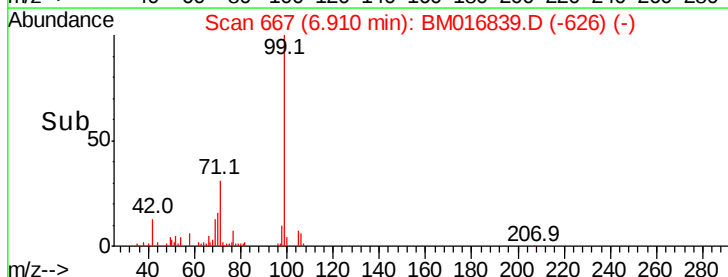
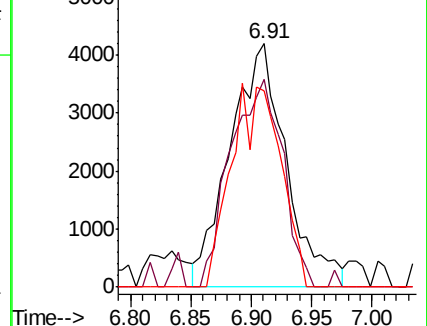
106 80.5 69.5 104.3

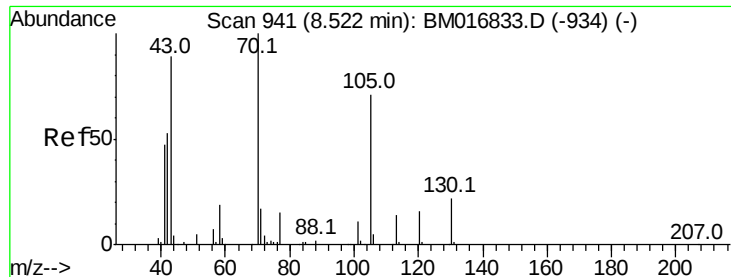


Abundance Ion 77.00 (76.70 to 77.70): BM016839.D (-652) (-)

Ion 105.00 (104.70 to 105.70): BM016839.D (-652) (-)

Ion 106.00 (105.70 to 106.70): BM016839.D (-652) (-)





#15

N-Nitroso-di-n-propylamine

Concen: 1.016 ng/ul

RT: 8.43 min Scan# 926

Delta R.T. -0.09 min

Lab File: BM016839.D

Acq: 21 Sep 2018 19:17

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 70 Resp: 7327

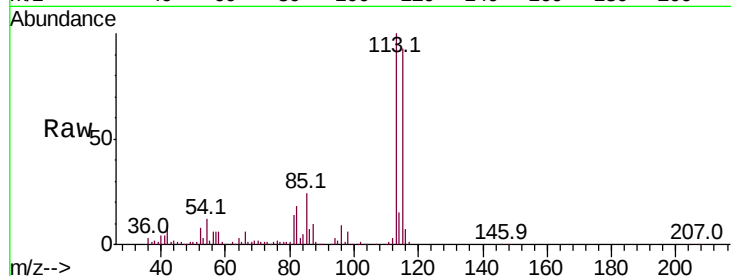
Ion Ratio Lower Upper

70 100

42 408.2 40.2 60.4#

101 16.0 7.7 11.5#

130 0.0 17.8 26.6#

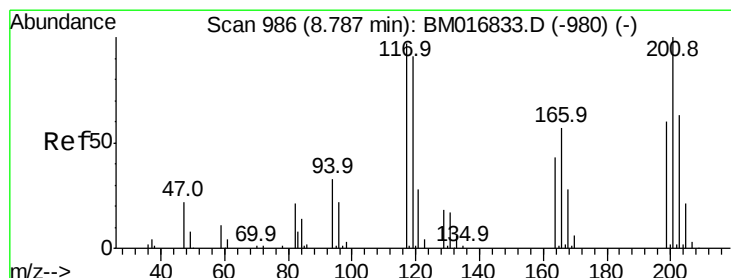
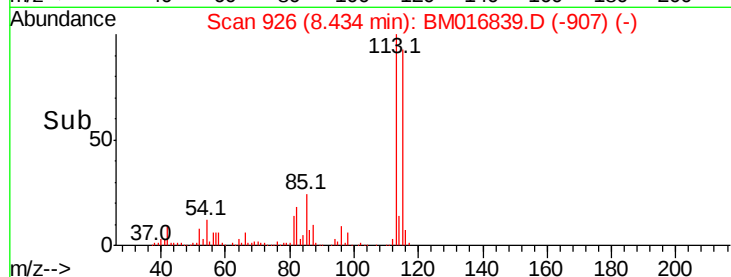
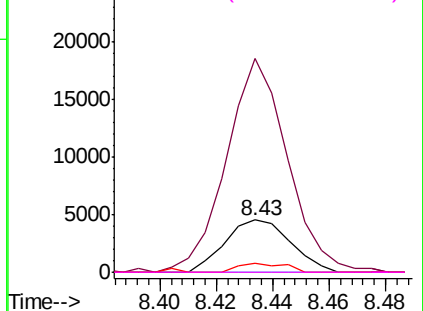


Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#17

Hexachloroethane

Concen: 3.214 ng/ul

RT: 8.81 min Scan# 990

Delta R.T. 0.02 min

Lab File: BM016839.D

Acq: 21 Sep 2018 19:17

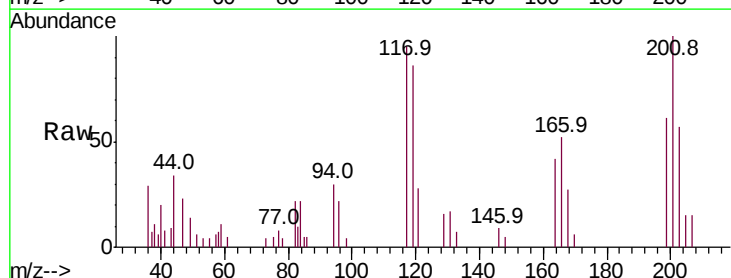
Tgt Ion: 117 Resp: 12436

Ion Ratio Lower Upper

117 100

201 105.1 96.1 144.1

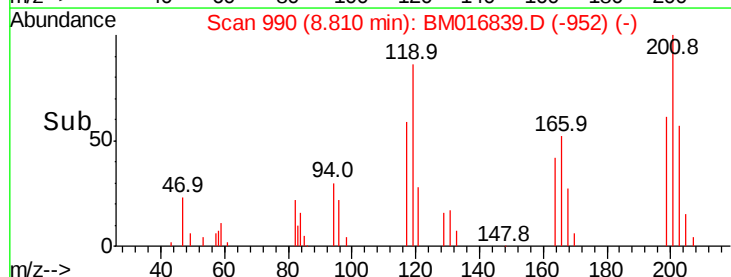
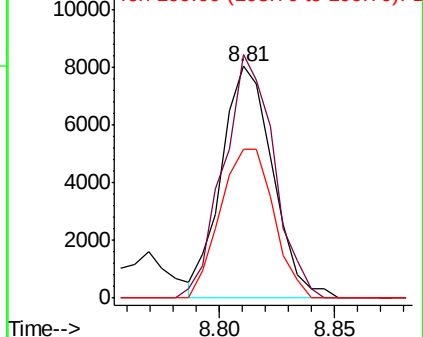
199 64.3 59.7 89.5

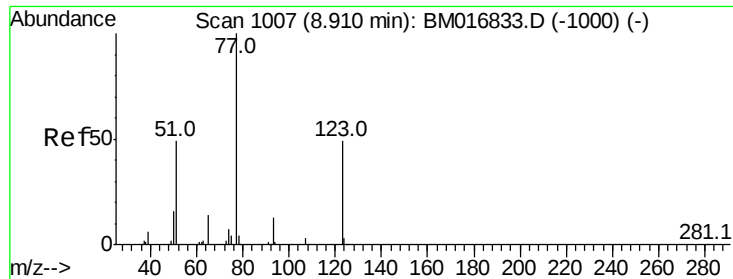


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

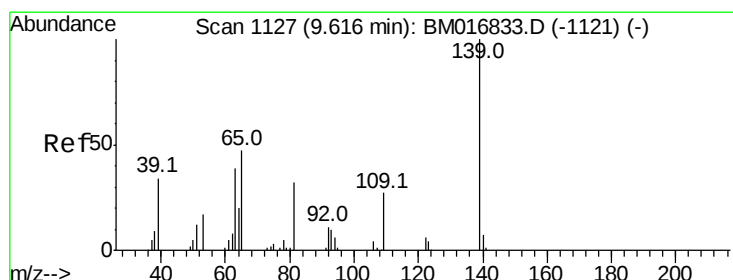
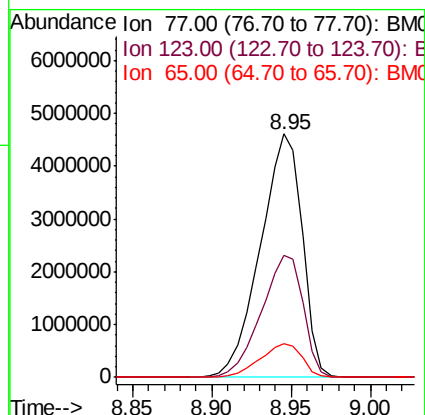
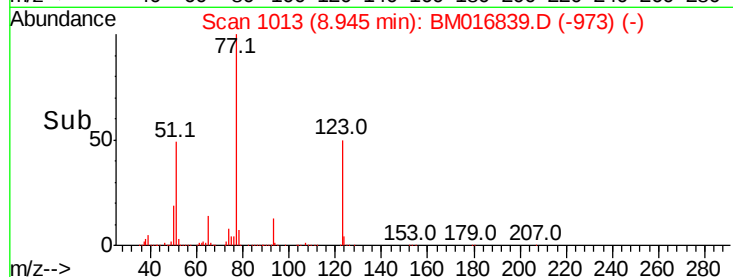
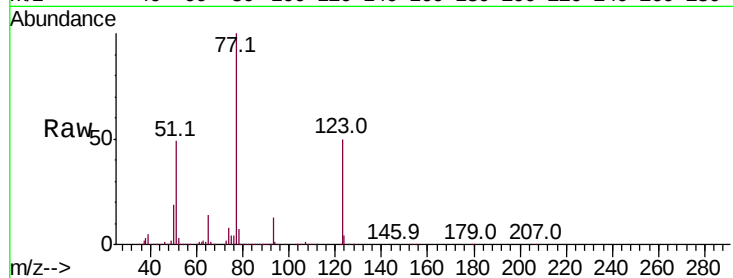




#20
Nitrobenzene
Concen: 412.272 ng/ul
RT: 8.95 min Scan# 1013
Delta R.T. 0.04 min
Lab File: BM016839.D
Acq: 21 Sep 2018 19:17

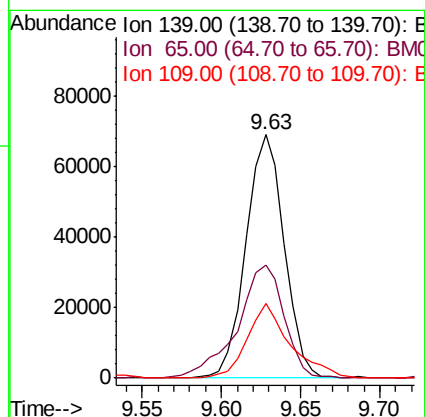
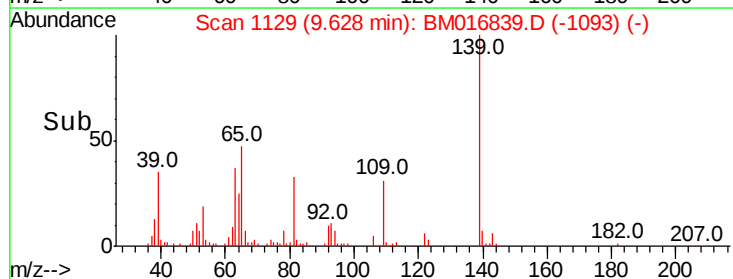
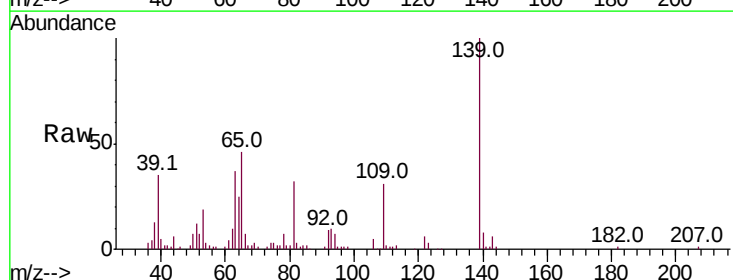
Instrument :
BNA_M
ClientSampleId :

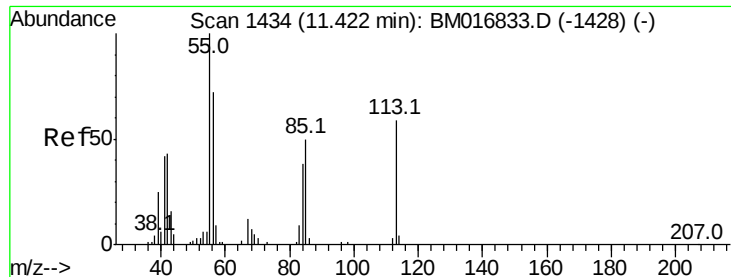
Tot Ion: 77 Resp: 8443489
Ion Ratio Lower Upper
77 100
123 50.2 31.8 47.8#
65 14.0 10.6 16.0



#23
2-Nitrophenol
Concen: 13.681 ng/ul
RT: 9.63 min Scan# 1129
Delta R.T. 0.01 min
Lab File: BM016839.D
Acq: 21 Sep 2018 19:17

Tgt Ion: 139 Resp: 116260
Ion Ratio Lower Upper
139 100
65 46.3 45.3 67.9
109 30.5 27.7 41.5





#32

Caprolactam

Concen: 35.440 ng/ul

RT: 11.32 min Scan# 1417

Delta R.T. -0.10 min

Lab File: BM016839.D

Acq: 21 Sep 2018 19:17

Instrument :

BNA_M

ClientSampleId :

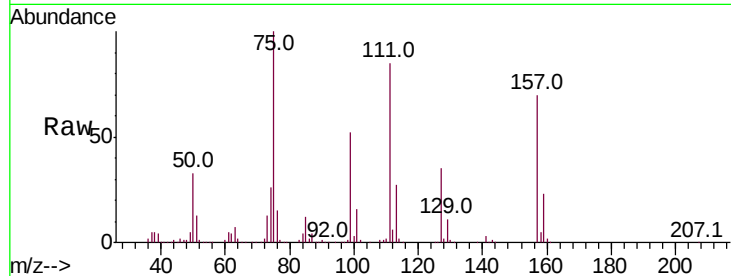
Tot Ion:113 Resp: 201424

Ion Ratio Lower Upper

113 100

55 0.9 131.7 197.5#

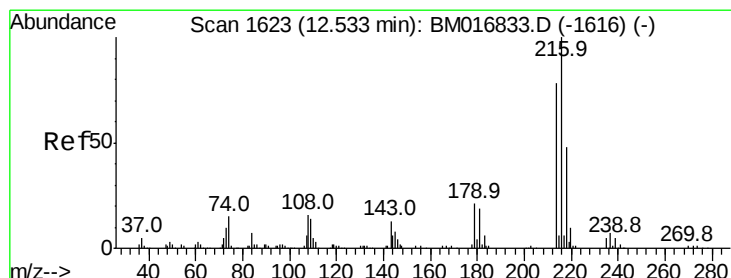
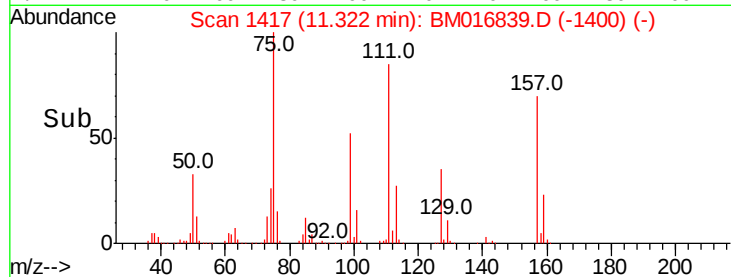
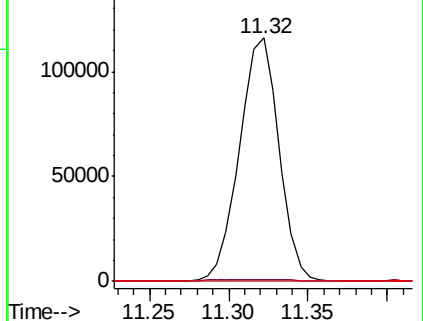
56 0.4 92.7 139.1#



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: 41.148 ng/ul

RT: 12.54 min Scan# 1624

Delta R.T. 0.01 min

Lab File: BM016839.D

Acq: 21 Sep 2018 19:17

Tgt Ion:216 Resp: 926824

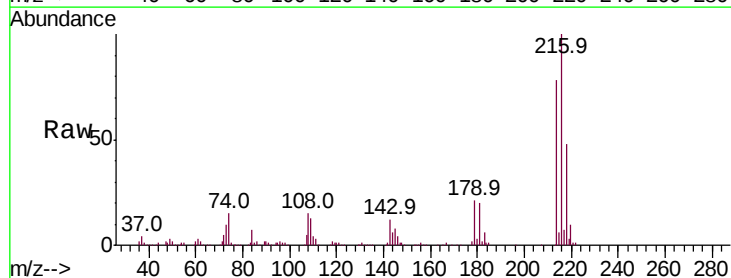
Ion Ratio Lower Upper

216 100

214 77.9 64.1 96.1

179 20.6 14.5 21.7

108 15.0 10.4 15.6

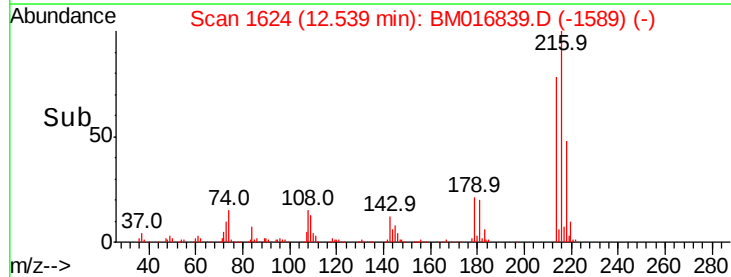
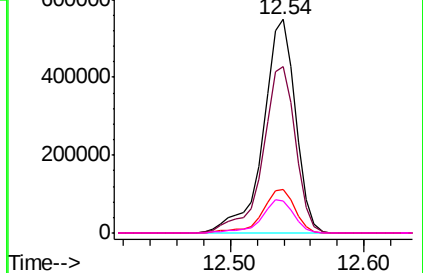


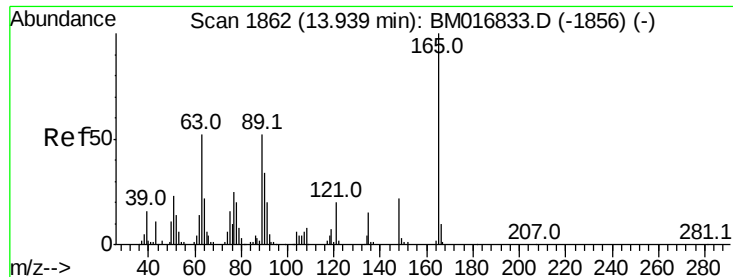
Abundance Ion 216.00 (215.70 to 216.70): E

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

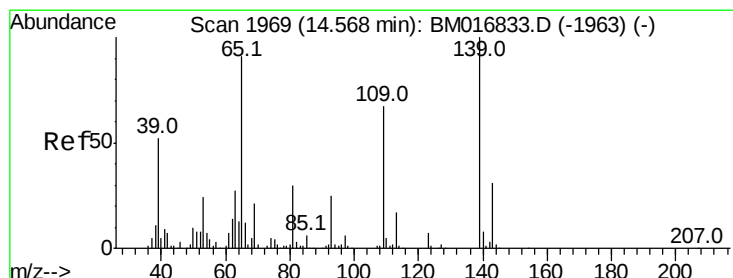
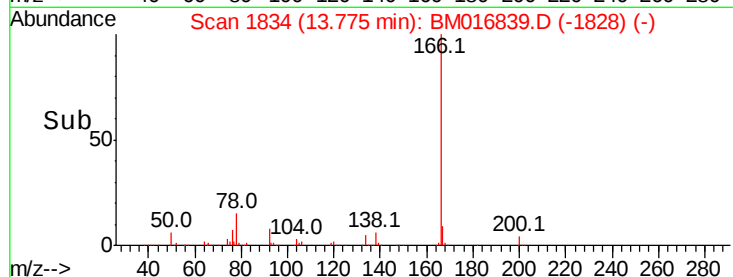
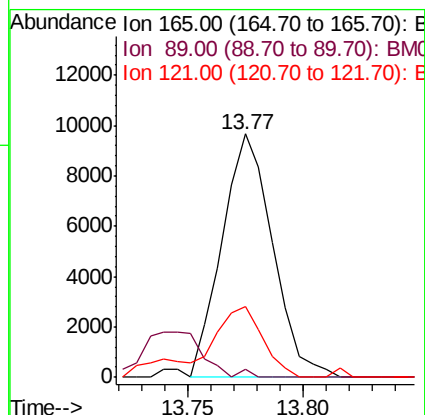
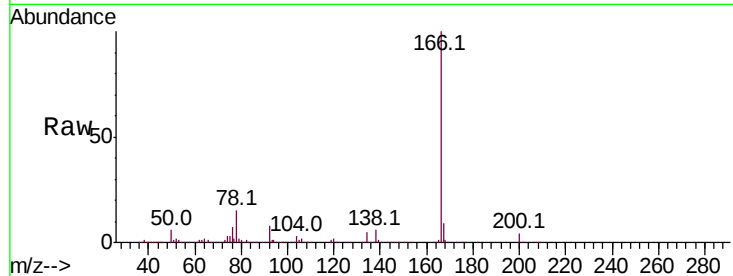




#46
 2,6-Dinitrotoluene
 Concen: 1.873 ng/ul
 RT: 13.77 min Scan# 1834
 Delta R.T. -0.16 min
 Lab File: BM016839.D
 Acq: 21 Sep 2018 19:17

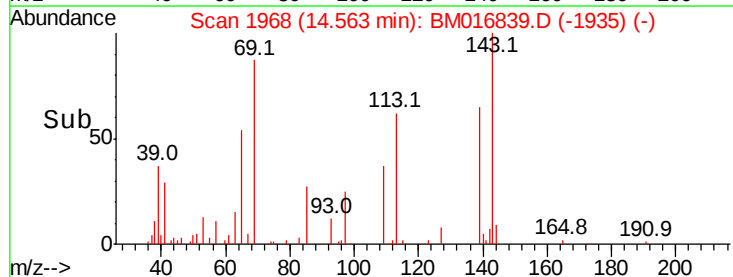
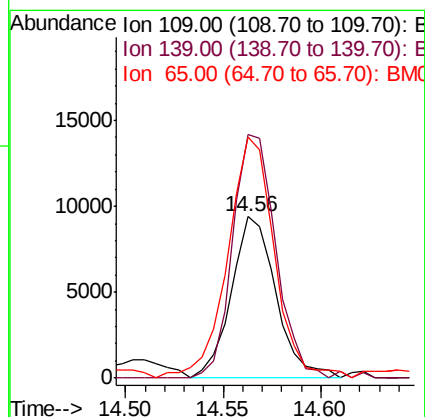
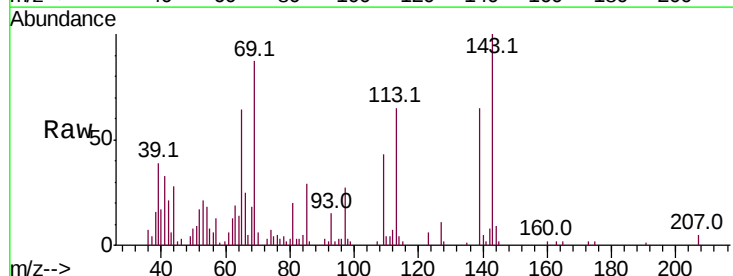
Instrument :
 BNA_M
 ClientSampleId :

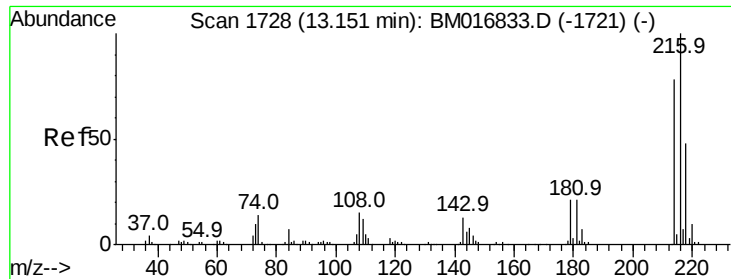
Tot Ion	Ratio	Lower	Upper
165	100		
89	3.6	43.8	65.8#
121	29.2	17.8	26.6#



#53
 4-Nitrophenol
 Concen: 2.246 ng/ul
 RT: 14.56 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: BM016839.D
 Acq: 21 Sep 2018 19:17

Tgt Ion	Ratio	Lower	Upper
109	100		
139	150.7	91.2	136.8#
65	149.0	92.6	139.0#





#73

1,2,3,4-Tetrachlorobenzene

Concen: 102.561 ng/uL

RT: 13.15 min Scan# 1728

Delta R.T. 0.00 min

Lab File: BM016839.D

Acq: 21 Sep 2018 19:17

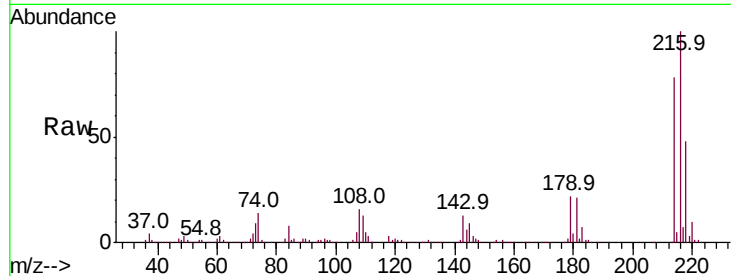
Instrument :

BNA_M

ClientSampleId :

Tot Ion:216 Resp: 2431618

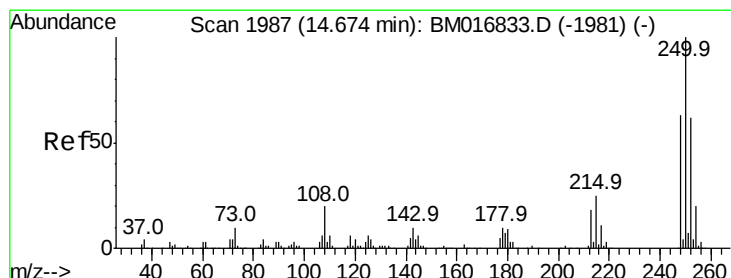
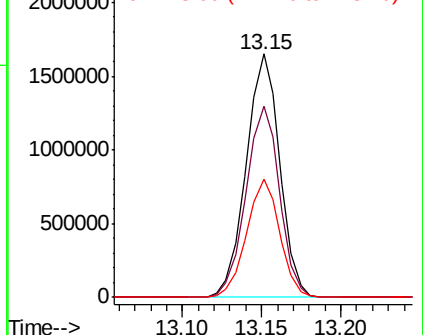
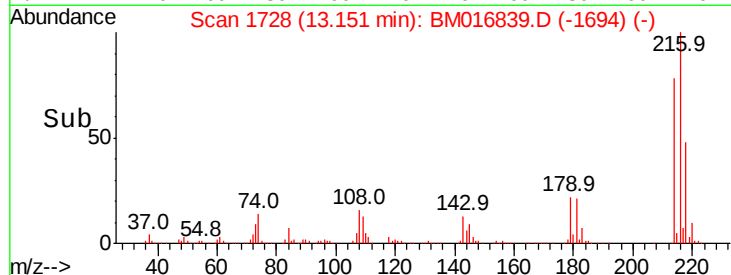
Ion	Ratio	Lower	Upper
216	100		
214	78.4	64.1	96.1
218	48.5	39.4	59.0



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



#74

Pentachlorobenzene

Concen: 1.293 ng/uL

RT: 14.67 min Scan# 1987

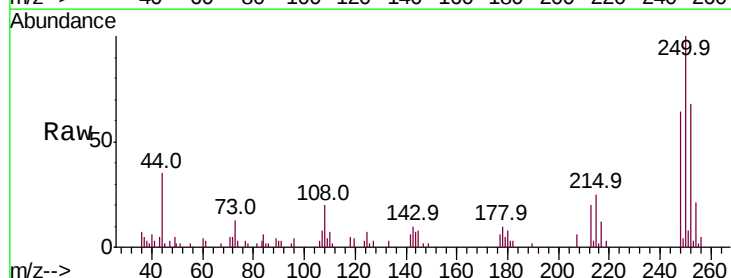
Delta R.T. 0.00 min

Lab File: BM016839.D

Acq: 21 Sep 2018 19:17

Tgt Ion:250 Resp: 27661

Ion	Ratio	Lower	Upper
250	100		
248	64.0	51.4	77.2
252	67.6	49.8	74.6



Abundance Ion 250.00 (249.70 to 250.70): E

Ion 248.00 (247.70 to 248.70): E

Ion 252.00 (251.70 to 252.70): E

