

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092118\
 Data File : BM016825.D
 Acq On : 21 Sep 2018 10:54
 Operator : SJ/JU
 Sample : J5012-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 22 01:09:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM091018MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Sep 22 01:08:22 2018
 Response via : Initial Calibration

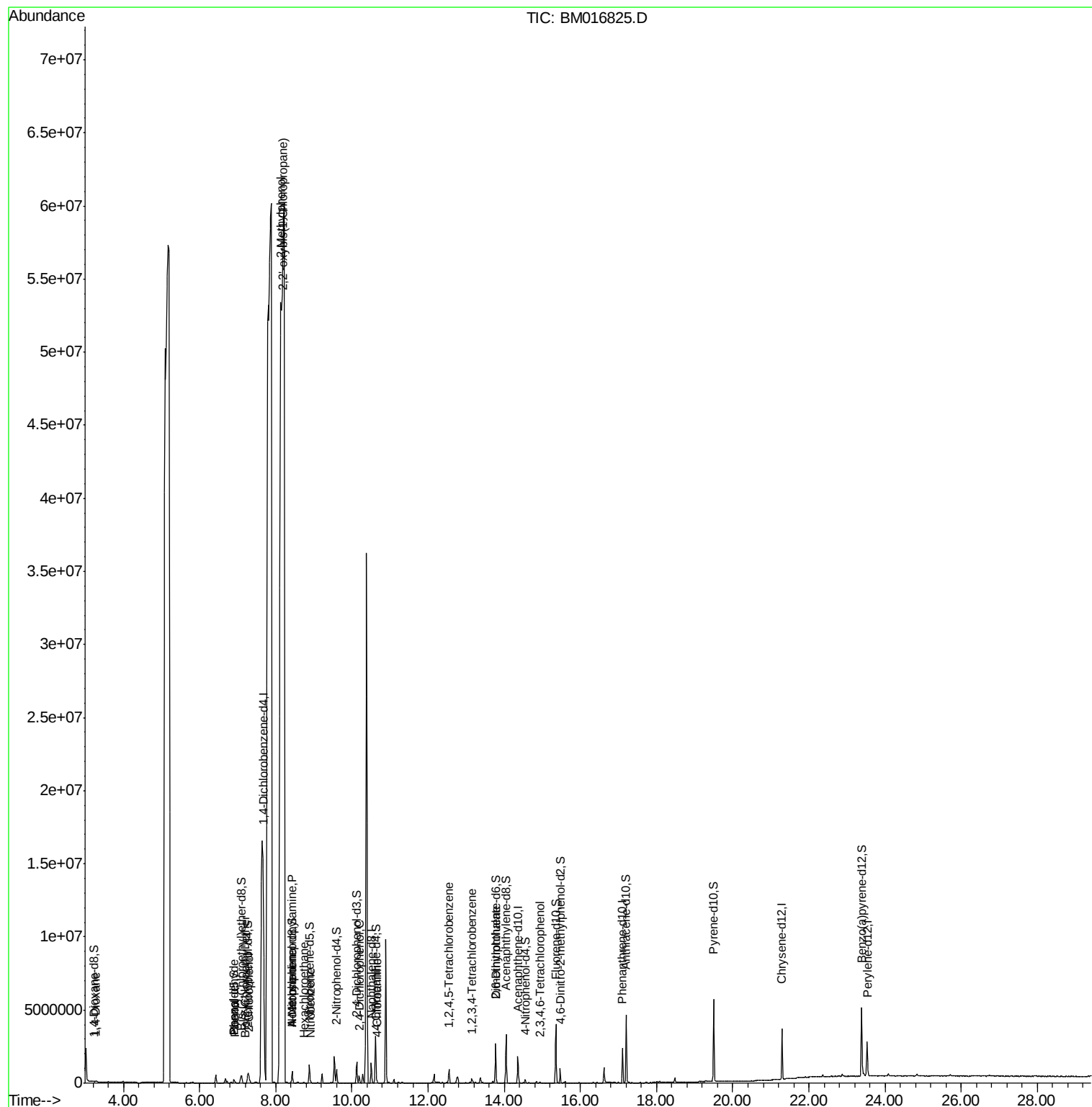
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	708	20.00	ng/ul	-0.05
18) Naphthalene-d8	10.51	136	1072083	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.36	164	585958	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.10	188	1334168	20.00	ng/ul	0.00
78) Chrysene-d12	21.29	240	1557620	20.00	ng/ul	0.00
86) Perylene-d12	23.53	264	1658095	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.23	96	115	6.95	ng/uL	-0.03
5) Phenol-d5	6.90	99	131638	2204.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.09	67	431621	11671.22	ng/ul	0.03
9) 2-Chlorophenol-d4	7.27	132	470087	9645.87	ng/ul	0.01
13) 4-Methylphenol-d8	8.43	113	281394	6089.69	ng/ul	0.01
19) Nitrobenzene-d5	8.89	128	307630	43.67	ng/ul	0.02
22) 2-Nitrophenol-d4	9.60	143	300747	46.96	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.13	165	548549	33.71	ng/ul	0.00
29) 4-Chloroaniline-d4	10.65	131	43889	2.23	ng/ul	0.01
44) Dimethylphthalate-d6	13.77	166	1767682	37.57	ng/ul	0.00
47) Acenaphthylene-d8	14.05	160	2308029	37.98	ng/ul	0.00
52) 4-Nitrophenol-d4	14.55	143	48277	6.25	ng/ul	0.00
58) Fluorene-d10	15.36	176	1615707	39.35	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.47	200	204979	37.43	ng/ul	0.00
71) Anthracene-d10	17.20	188	2490826	38.70	ng/ul	0.00
79) Pyrene-d10	19.50	212	2876821	38.06	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.39	264	3395508	39.26	ng/ul	0.00
Target Compounds						
2) 1,4-Dioxane	3.28	88	332	19.270	ng/uL#	29
4) Benzaldehyde	6.89	77	1401	41.688	ng/ul	92
6) Phenol	6.92	94	43915	736.713	ng/ul	97
8) Bis(2-Chloroethyl)ether	7.20	93	8588	187.122	ng/ul	97
10) 2-Chlorophenol	7.30	128	172252	3518.774	ng/ul	96
11) 2-Methylphenol	8.13	108	283986	6356.645	ng/ul	97
12) 2,2'-oxybis(1-Chloropropan	8.19	45	482	6.641	ng/ul#	1
14) Acetophenone	8.43	105	403	5.627	ng/ul#	1
15) N-Nitroso-di-n-propylamine	8.43	70	7094	197.941	ng/ul#	1
17) Hexachloroethane	8.75	117	1275	66.311	ng/ul#	1
20) Nitrobenzene	8.93	77	25032	1.405	ng/ul#	85
27) 2,4-Dichlorophenol	10.19	162	206827	13.227	ng/ul#	93
30) 4-Chloroaniline	10.66	127	25076	1.276	ng/ul	98
37) 1,2,4,5-Tetrachlorobenzene	12.53	216	63090	3.135	ng/ul#	92
46) 2,6-Dinitrotoluene	13.77	165	13283	1.881	ng/ul#	40
56) 2,3,4,6-Tetrachlorophenol	14.94	232	14674	1.451	ng/ul	90
73) 1,2,3,4-Tetrachlorobenzene	13.15	216	95857	4.341	ng/uL	94

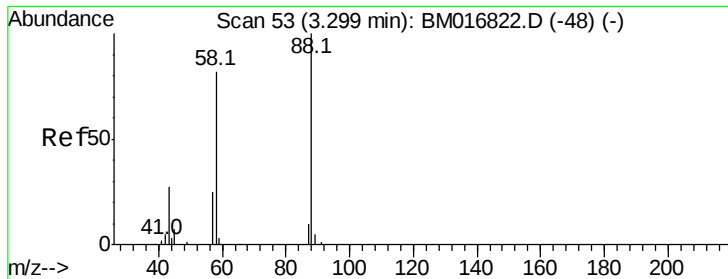
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 19.270 ng/uL

RT: 3.28 min Scan# 49

Delta R.T. -0.02 min

Lab File: BM016825.D

Acq: 21 Sep 2018 10:54

Instrument :

BNA_M

ClientSampleId :

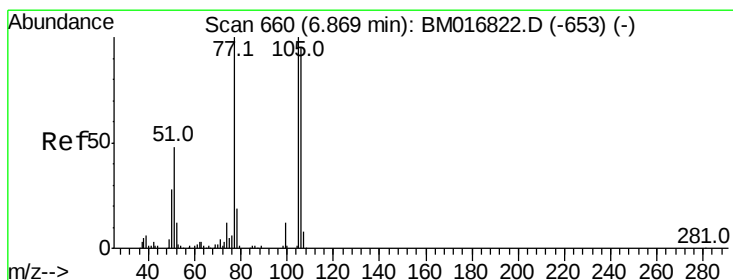
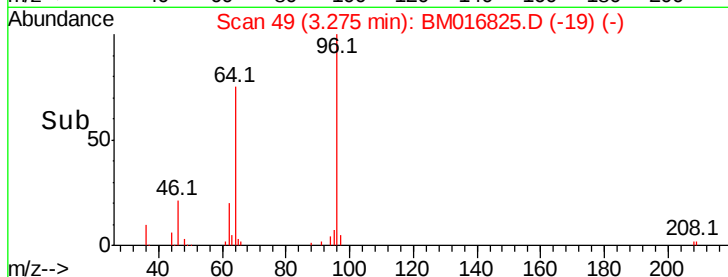
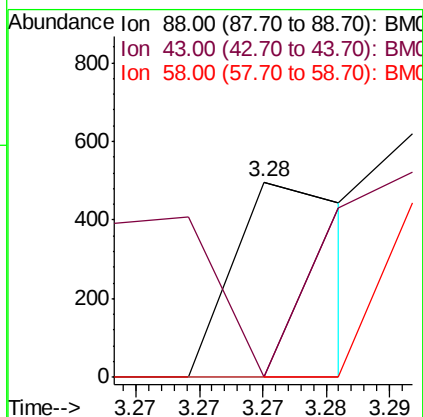
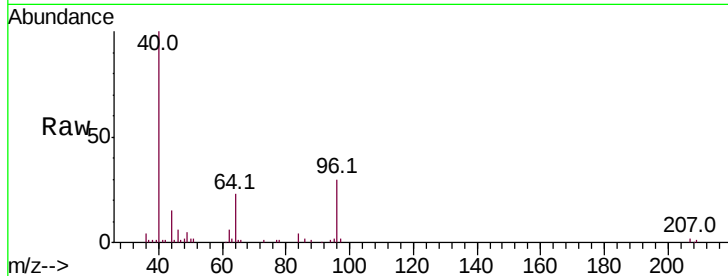
Tot Ion: 88 Resp: 332

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

58 0.0 45.9 68.9#



#4

Benzaldehyde

Concen: 41.688 ng/uL

RT: 6.89 min Scan# 664

Delta R.T. 0.02 min

Lab File: BM016825.D

Acq: 21 Sep 2018 10:54

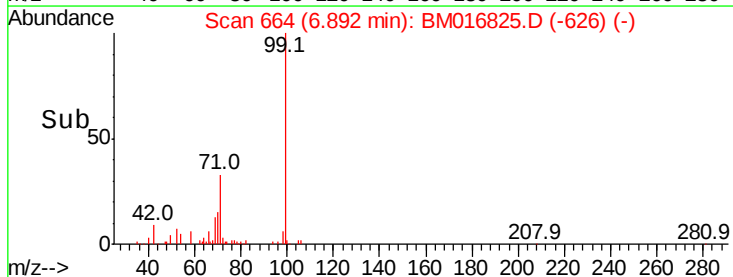
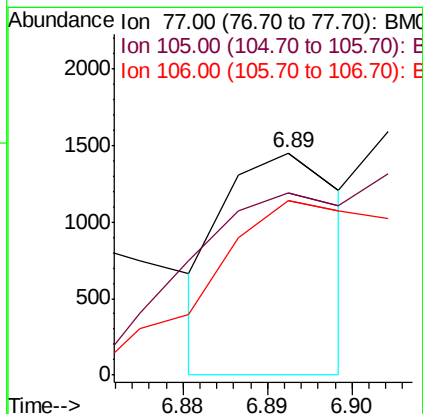
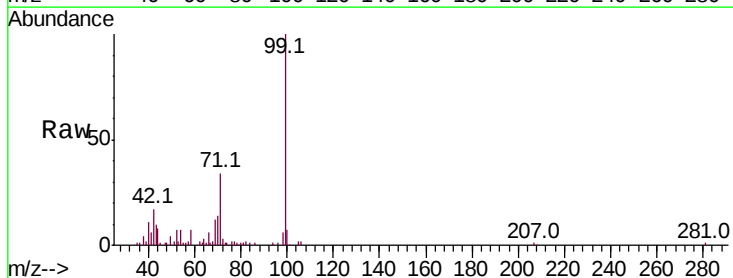
Tgt Ion: 77 Resp: 1401

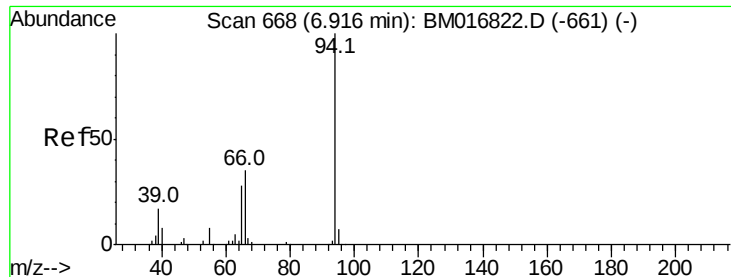
Ion Ratio Lower Upper

77 100

105 81.9 71.0 106.6

106 78.4 69.5 104.3





#6

Phenol

Concen: 736.713 ng/ul

RT: 6.92 min Scan# 669

Delta R.T. 0.01 min

Lab File: BM016825.D

Acq: 21 Sep 2018 10:54

Instrument :

BNA_M

ClientSampleId :

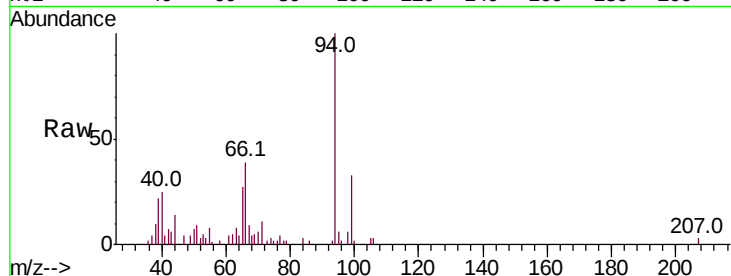
Tot Ion: 94 Resp: 43915

Ion Ratio Lower Upper

94 100

65 26.8 23.0 34.6

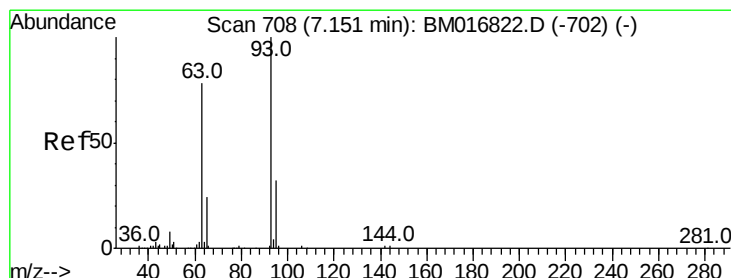
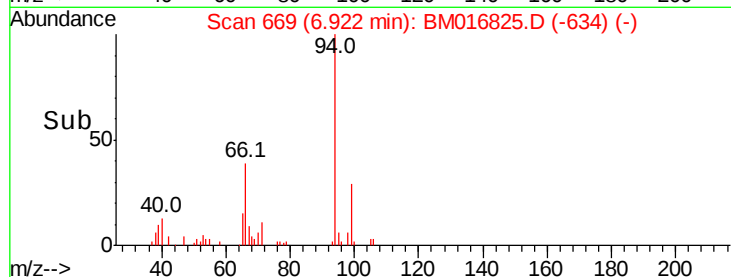
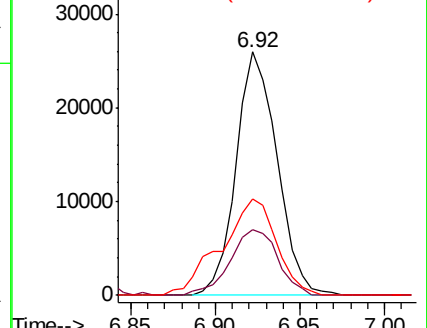
66 39.5 30.4 45.6



Abundance Ion 94.00 (93.70 to 94.70): BM016825.D (-661) (-)

Ion 65.00 (64.70 to 65.70): BM016825.D (-661) (-)

Ion 66.00 (65.70 to 66.70): BM016825.D (-661) (-)



#8

Bis(2-Chloroethyl)ether

Concen: 187.122 ng/ul

RT: 7.20 min Scan# 716

Delta R.T. 0.05 min

Lab File: BM016825.D

Acq: 21 Sep 2018 10:54

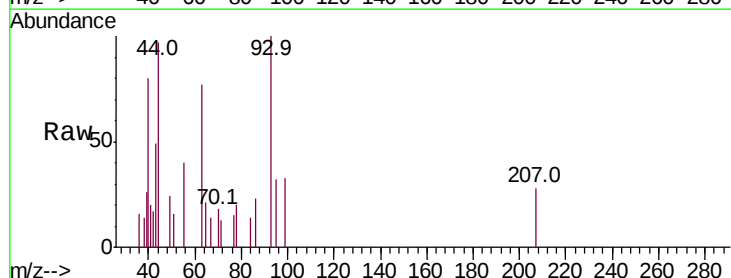
Tgt Ion: 93 Resp: 8588

Ion Ratio Lower Upper

93 100

63 77.4 59.4 89.2

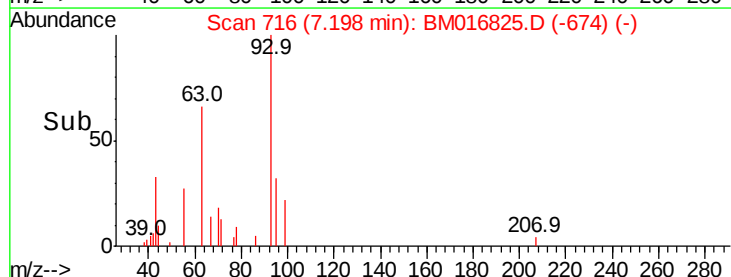
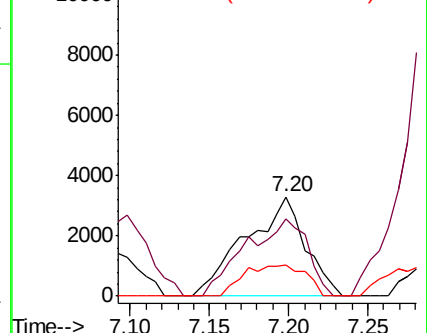
95 32.0 26.4 39.6

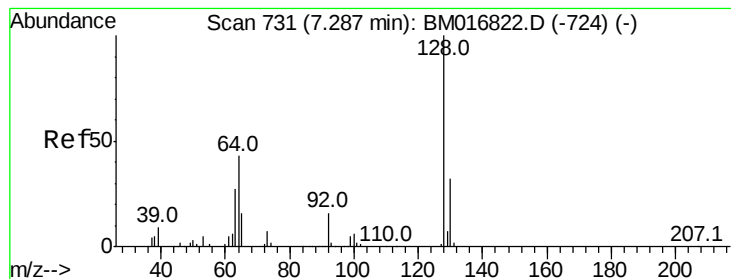


Abundance Ion 93.00 (92.70 to 93.70): BM016825.D (-702) (-)

Ion 63.00 (62.70 to 63.70): BM016825.D (-702) (-)

Ion 95.00 (94.70 to 95.70): BM016825.D (-702) (-)





#10

2-Chlorophenol

Concen: 3518.774 ng/ul

RT: 7.30 min Scan# 734

Delta R.T. 0.02 min

Lab File: BM016825.D

Acq: 21 Sep 2018 10:54

Instrument :

BNA_M

ClientSampleId :

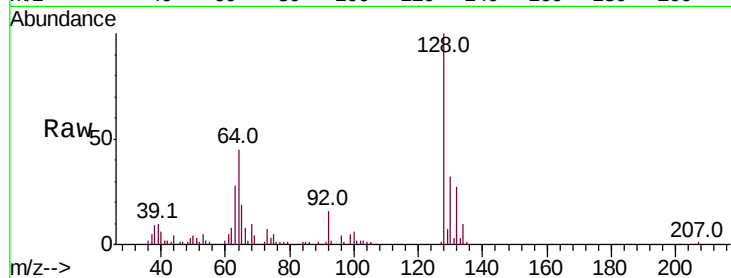
Tot Ion:128 Resp: 172252

Ion Ratio Lower Upper

128 100

64 45.3 39.8 59.6

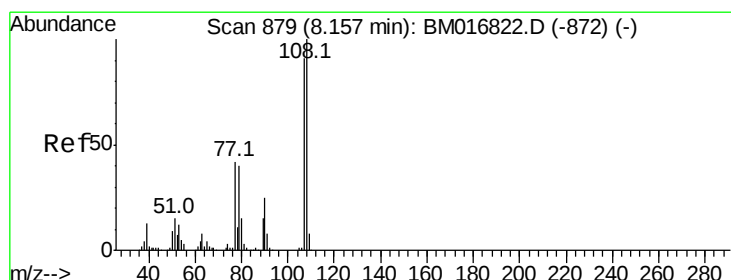
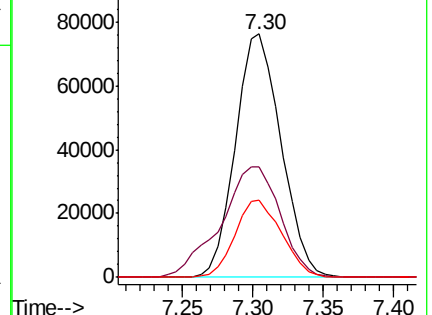
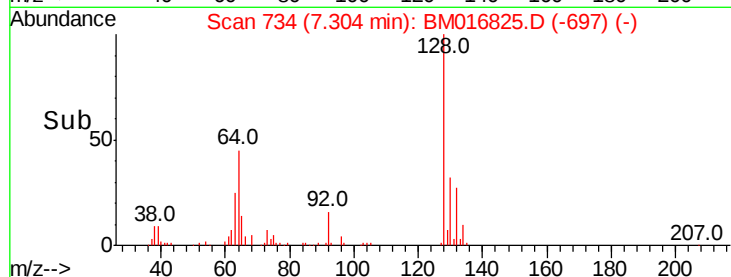
130 31.7 25.8 38.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BM

Ion 130.00 (129.70 to 130.70): E



#11

2-Methylphenol

Concen: 6356.645 ng/ul

RT: 8.13 min Scan# 875

Delta R.T. -0.02 min

Lab File: BM016825.D

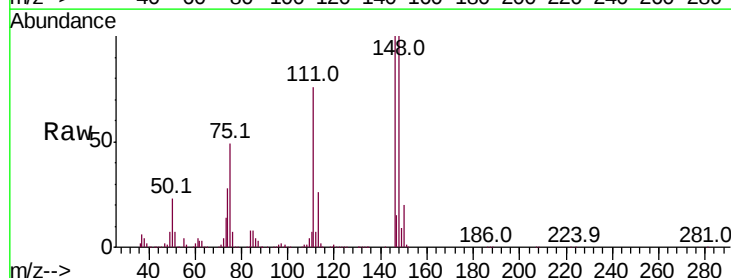
Acq: 21 Sep 2018 10:54

Tgt Ion:108 Resp: 283986

Ion Ratio Lower Upper

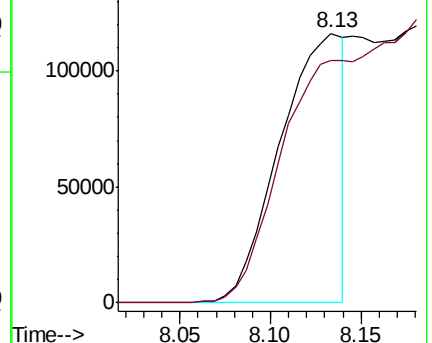
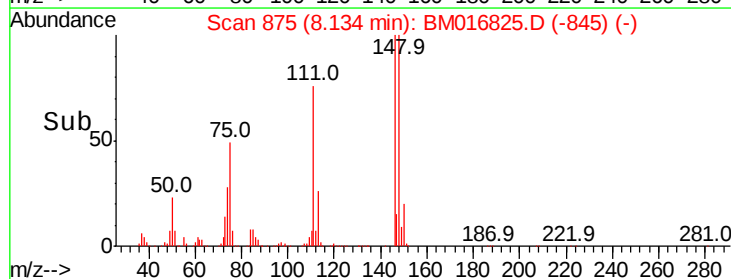
108 100

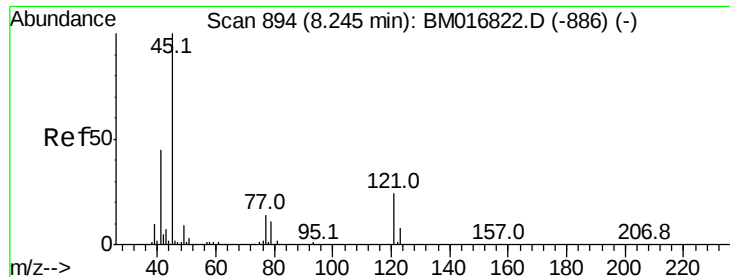
107 89.9 74.1 111.1



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

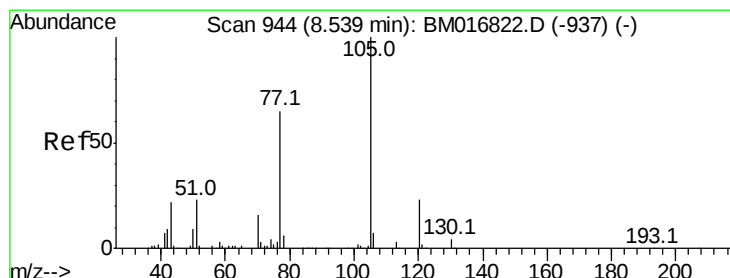
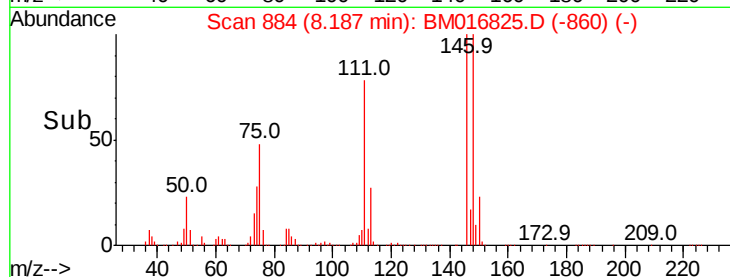
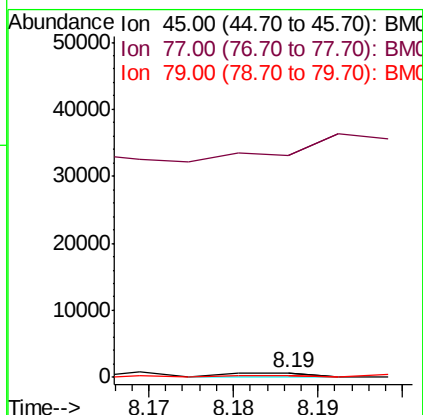
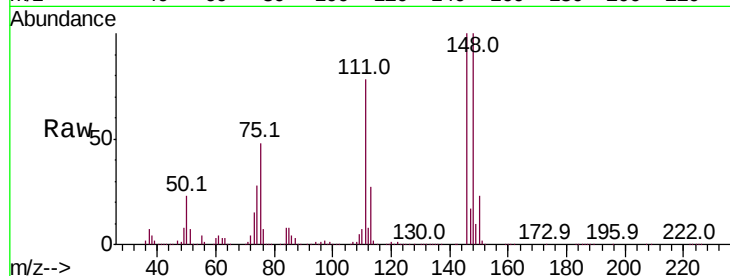




#12
2,2'-oxvbis(1-Chloropropane)
Concen: 6.641 ng/ul
RT: 8.19 min Scan# 884
Delta R.T. -0.06 min
Lab File: BM016825.D
Acq: 21 Sep 2018 10:54

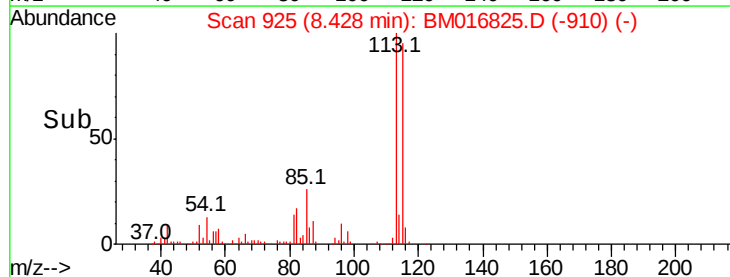
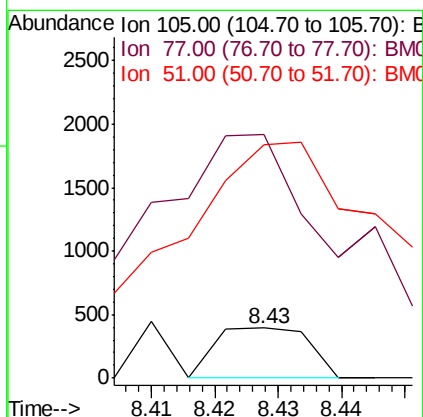
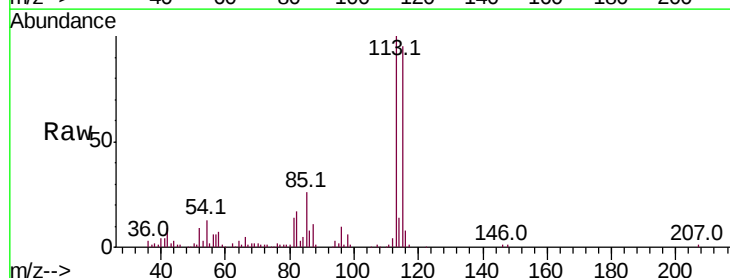
Instrument :
BNA_M
ClientSampled :

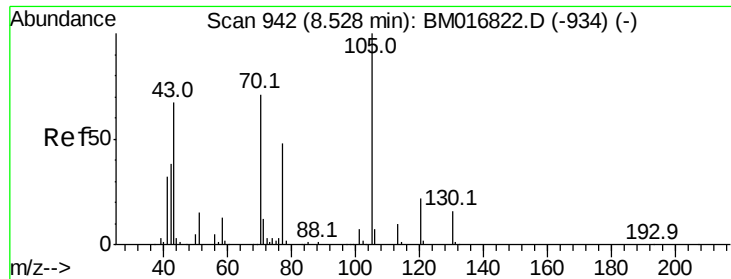
Tot Ion: 45 Resp: 482
Ion Ratio Lower Upper
45 100
77 4519.8 12.5 18.7#
79 44.7 9.4 14.2#



#14
Acetophenone
Concen: 5.627 ng/ul
RT: 8.43 min Scan# 925
Delta R.T. -0.11 min
Lab File: BM016825.D
Acq: 21 Sep 2018 10:54

Tgt Ion:105 Resp: 403
Ion Ratio Lower Upper
105 100
77 489.3 63.2 94.8#
51 469.6 19.8 29.8#





#15

N-Nitroso-di-n-propylamine

Concen: 197.941 ng/ul

RT: 8.43 min Scan# 926

Delta R.T. -0.09 min

Lab File: BM016825.D

Acq: 21 Sep 2018 10:54

Instrument :

BNA_M

ClientSampled :

Tot Ion: 70 Resp: 7094

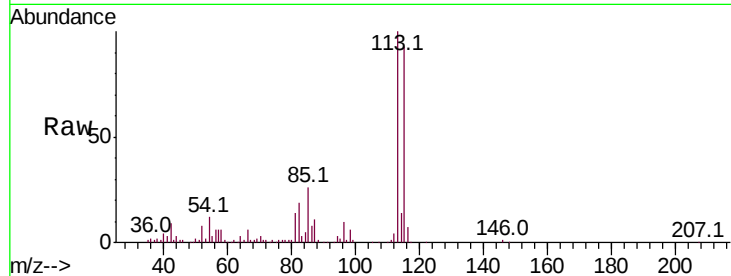
Ion Ratio Lower Upper

70 100

42 342.9 40.2 60.4#

101 0.0 7.7 11.5#

130 0.0 17.8 26.6#



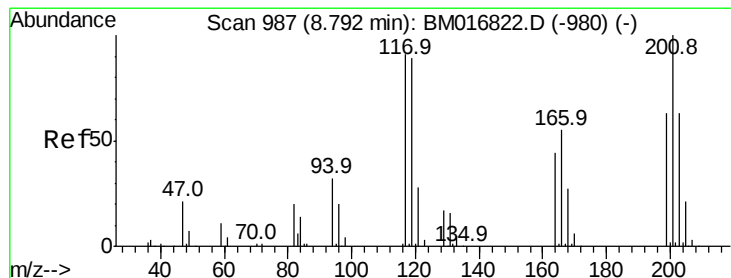
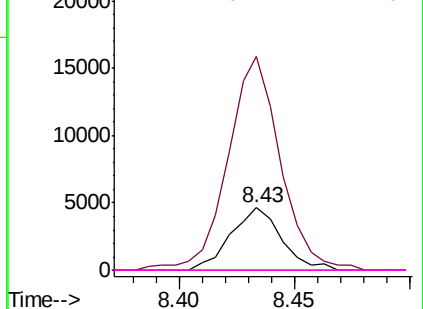
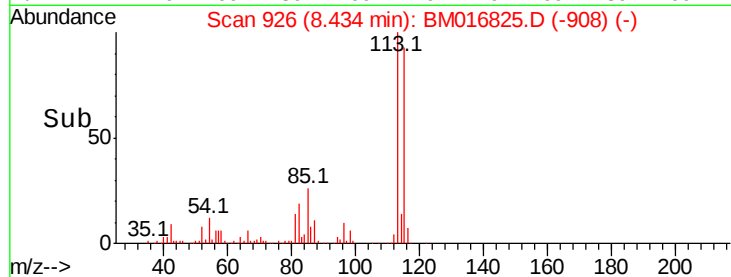
Abundance

Ion 70.00 (69.70 to 70.70): BM016825.D (-934) (-)

Ion 42.00 (41.70 to 42.70): BM016825.D (-934) (-)

Ion 101.00 (100.70 to 101.70): BM016825.D (-934) (-)

Ion 130.00 (129.70 to 130.70): BM016825.D (-934) (-)



#17

Hexachloroethane

Concen: 66.311 ng/ul

RT: 8.75 min Scan# 980

Delta R.T. -0.04 min

Lab File: BM016825.D

Acq: 21 Sep 2018 10:54

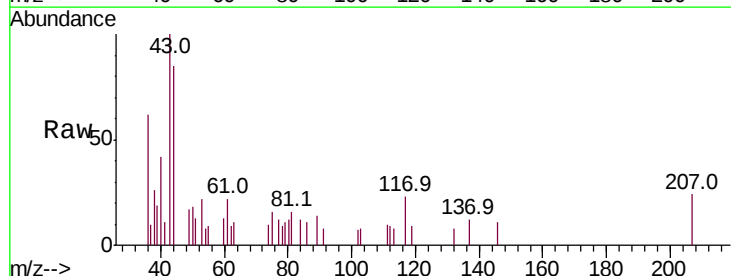
Tgt Ion: 117 Resp: 1275

Ion Ratio Lower Upper

117 100

201 0.0 96.1 144.1#

199 0.0 59.7 89.5#

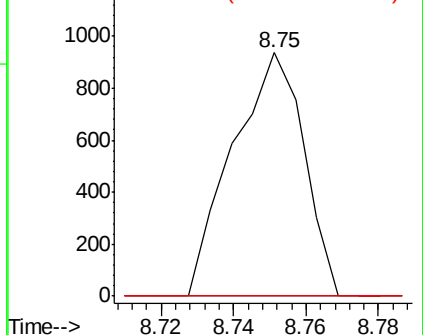
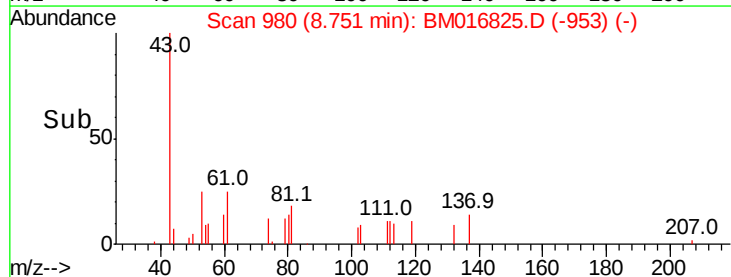


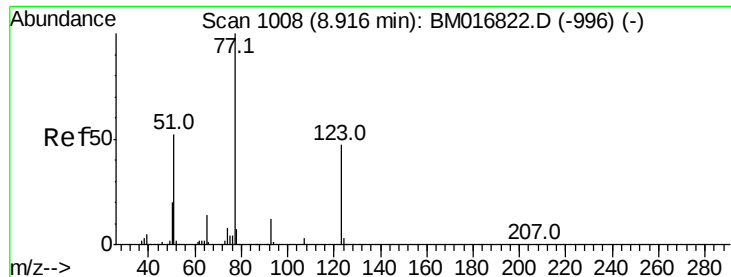
Abundance

Ion 117.00 (116.70 to 117.70): BM016825.D (-953) (-)

Ion 201.00 (200.70 to 201.70): BM016825.D (-953) (-)

Ion 199.00 (198.70 to 199.70): BM016825.D (-953) (-)





#20

Nitrobenzene

Concen: 1.405 ng/ul

RT: 8.93 min Scan# 1010

Delta R.T. 0.01 min

Lab File: BM016825.D

Acq: 21 Sep 2018 10:54

Instrument :

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ClientSampleId :

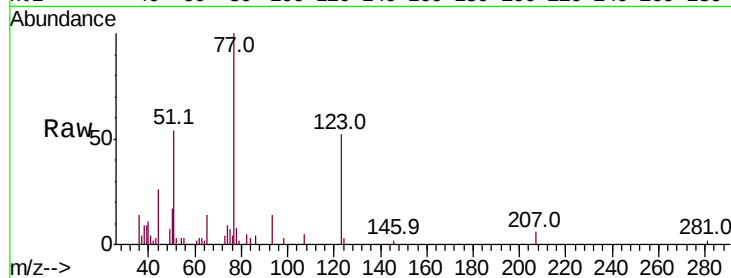
Tot Ion: 77 Resp: 25032

Ion Ratio Lower Upper

77 100

123 51.6 31.8 47.8#

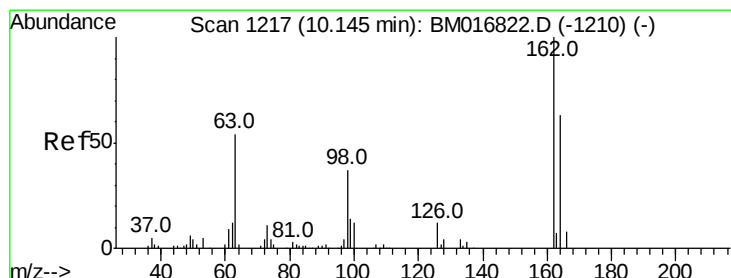
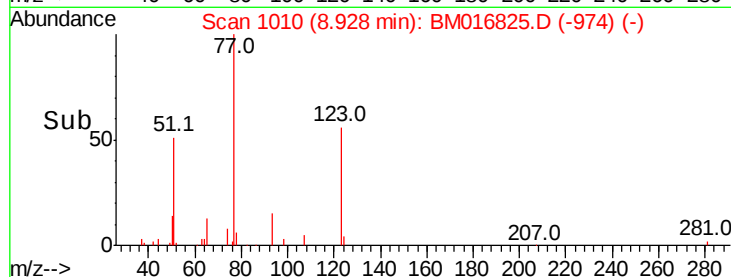
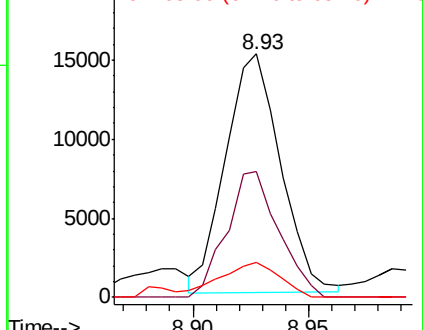
65 14.2 10.6 16.0



Abundance Ion 77.00 (76.70 to 77.70): BM016822.D (-996) (-)

Ion 123.00 (122.70 to 123.70): BM016822.D (-996) (-)

Ion 65.00 (64.70 to 65.70): BM016822.D (-996) (-)



#27

2,4-Dichlorophenol

Concen: 13.227 ng/ul

RT: 10.19 min Scan# 1225

Delta R.T. 0.05 min

Lab File: BM016825.D

Acq: 21 Sep 2018 10:54

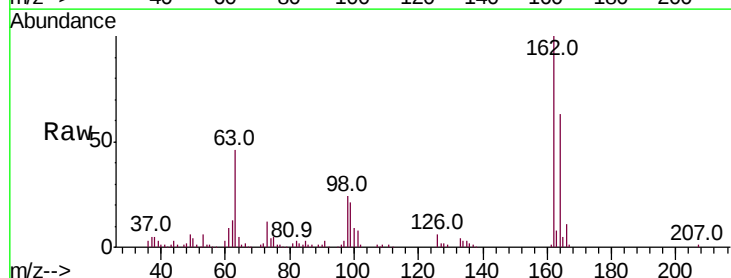
Tgt Ion: 162 Resp: 206827

Ion Ratio Lower Upper

162 100

164 62.7 52.0 78.0

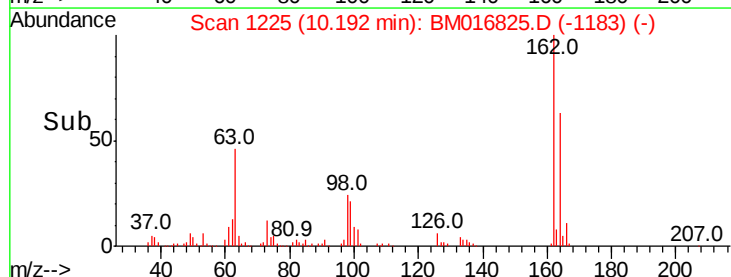
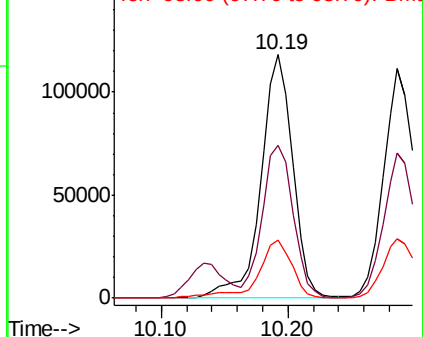
98 24.0 26.6 39.8#

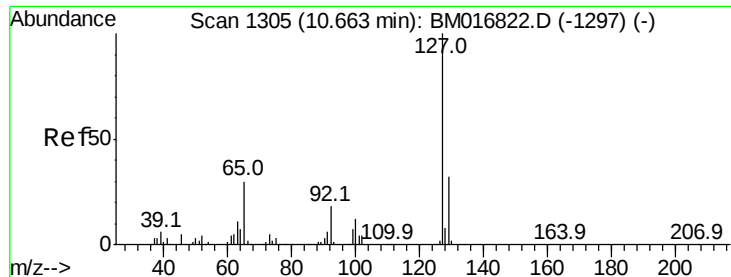


Abundance Ion 162.00 (161.70 to 162.70): BM016822.D (-1210) (-)

Ion 164.00 (163.70 to 164.70): BM016822.D (-1210) (-)

Ion 98.00 (97.70 to 98.70): BM016822.D (-1210) (-)

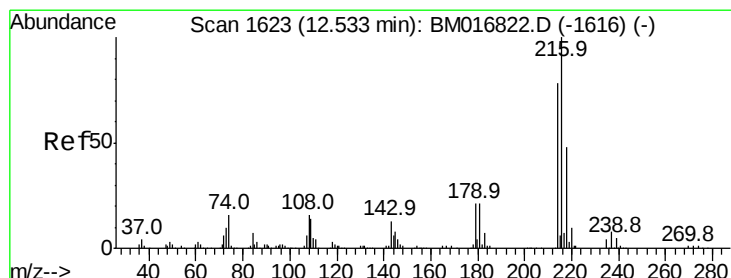
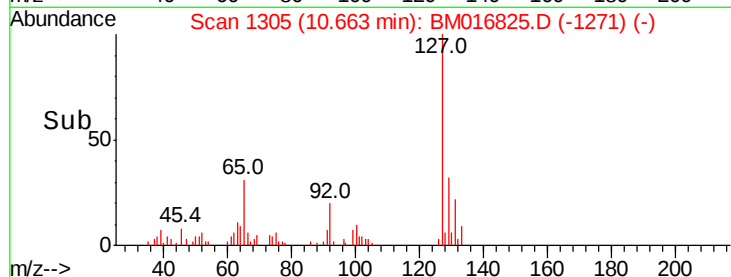
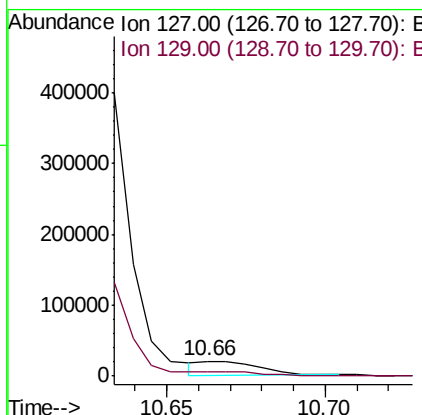
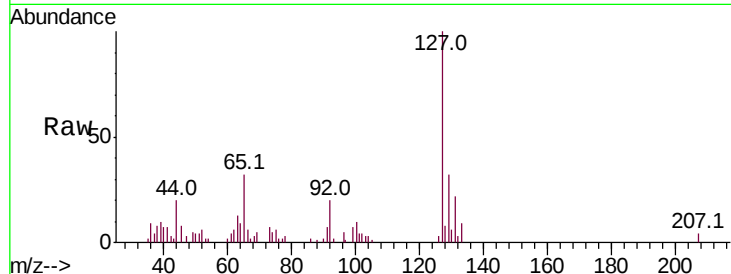




#30
4-Chloroaniline
Concen: 1.276 ng/ul
RT: 10.66 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BM016825.D
Acq: 21 Sep 2018 10:54

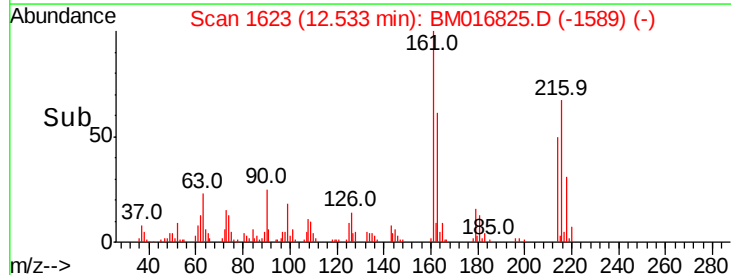
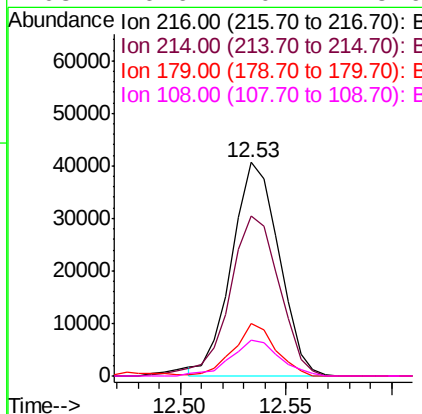
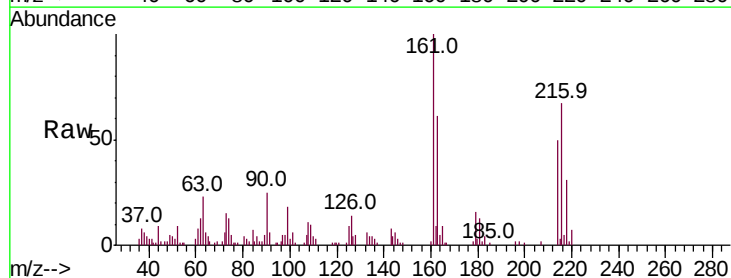
Instrument :
BNA_M
ClientSampleId :

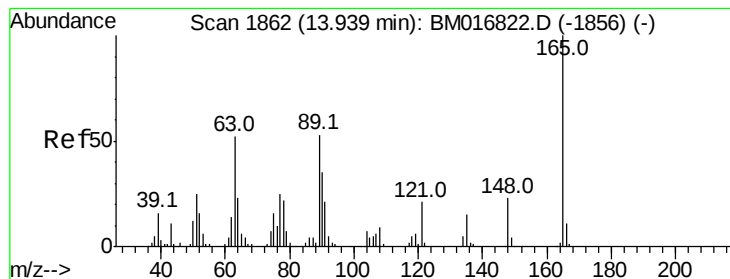
Tot Ion:127 Resp: 25076
Ion Ratio Lower Upper
127 100
129 31.8 24.6 37.0



#37
1,2,4,5-Tetrachlorobenzene
Concen: 3.135 ng/ul
RT: 12.53 min Scan# 1623
Delta R.T. -0.00 min
Lab File: BM016825.D
Acq: 21 Sep 2018 10:54

Tgt Ion:216 Resp: 63090
Ion Ratio Lower Upper
216 100
214 75.0 64.1 96.1
179 24.4 14.5 21.7#
108 16.6 10.4 15.6#





#46

2,6-Dinitrotoluene

Concen: 1.881 ng/ul

RT: 13.77 min Scan# 1834

Delta R.T. -0.16 min

Lab File: BM016825.D

Acq: 21 Sep 2018 10:54

Instrument :

BNA_M

ClientSampleId :

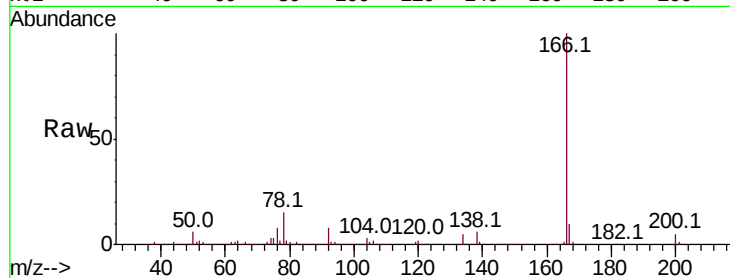
Tot Ion:165 Resp: 13283

Ion Ratio Lower Upper

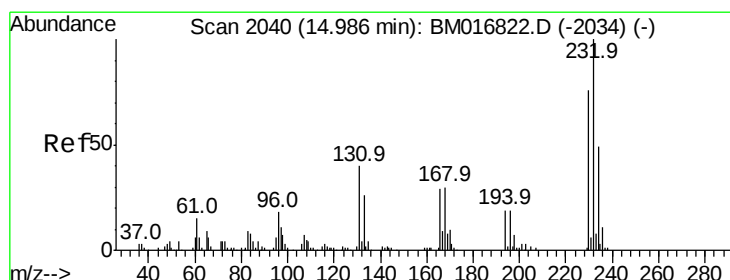
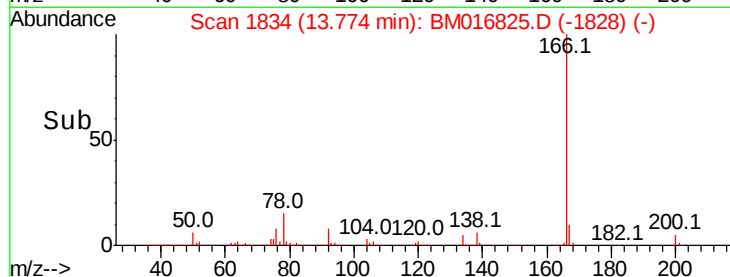
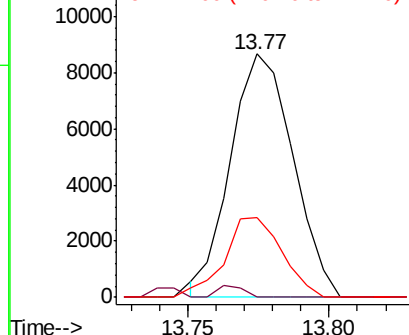
165 100

89 0.0 43.8 65.8#

121 32.7 17.8 26.6#



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



#56

2,3,4,6-Tetrachlorophenol

Concen: 1.451 ng/ul

RT: 14.94 min Scan# 2032

Delta R.T. -0.05 min

Lab File: BM016825.D

Acq: 21 Sep 2018 10:54

Tgt Ion:232 Resp: 14674

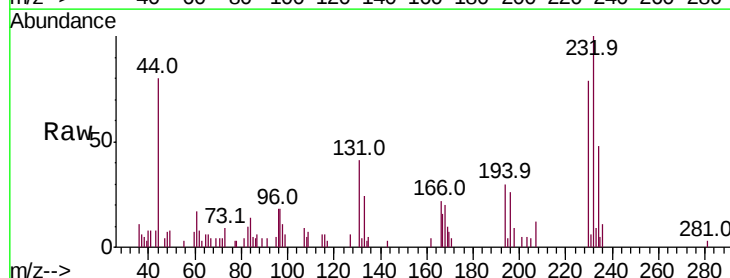
Ion Ratio Lower Upper

232 100

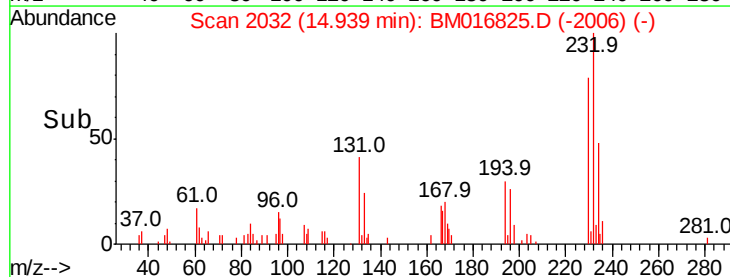
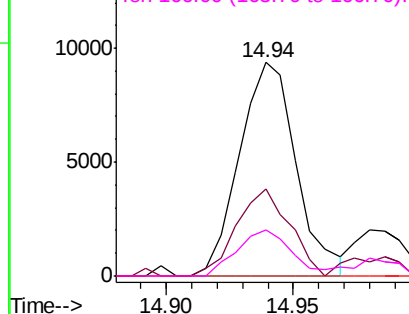
131 40.6 27.1 40.7

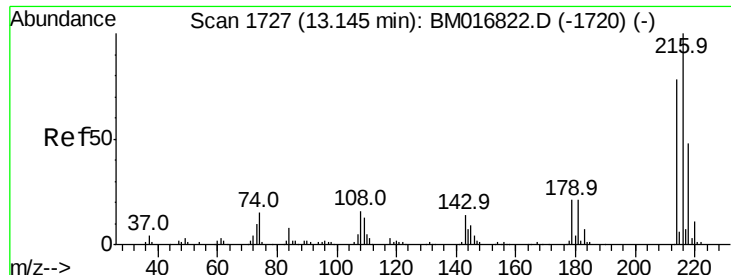
130 0.0 0.0 0.0

166 21.7 20.0 30.0



Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





#73

1,2,3,4-Tetrachlorobenzene

Concen: 4.341 ng/uL

RT: 13.15 min Scan# 1728

Delta R.T. 0.01 min

Lab File: BM016825.D

Acq: 21 Sep 2018 10:54

Instrument :

BNA_M

ClientSampleId :

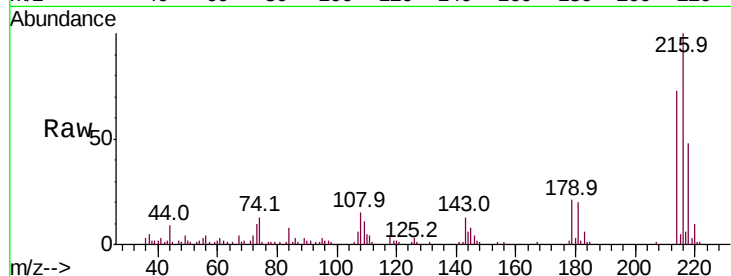
Tot Ion:216 Resp: 95857

Ion Ratio Lower Upper

216 100

214 72.9 64.1 96.1

218 47.8 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

