

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052516\
 Data File : BM005645.D
 Acq On : 25 May 2016 20:00
 Operator : UM/SJ
 Sample : H2890-12MS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9WT7MS

Quant Time: May 25 20:35:10 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 25 19:26:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	127769	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	618415	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	371544	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	759408	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	483397	20.00	ng/ul	0.02
83) Perylene-d12	23.64	264	517011	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.24	96	6383	2.19	ng/uL	0.00
5) Phenol-d5	6.97	99	200538	19.15	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.12	67	105180	17.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.32	132	160374	18.35	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	173825	20.25	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	81322	17.20	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	95526	18.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.21	165	180020	18.36	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	120693	12.29	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	576814	19.02	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	723561	19.08	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	93222	16.25	ng/ul	0.00
57) Fluorene-d10	15.42	176	531729	20.15	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.55	200	65612	15.02	ng/ul	0.00
70) Anthracene-d10	17.27	188	747603	20.67	ng/ul	0.00
76) Pyrene-d10	19.57	212	582592	26.61	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.50	264	504509	20.90	ng/ul	0.02

Target Compounds

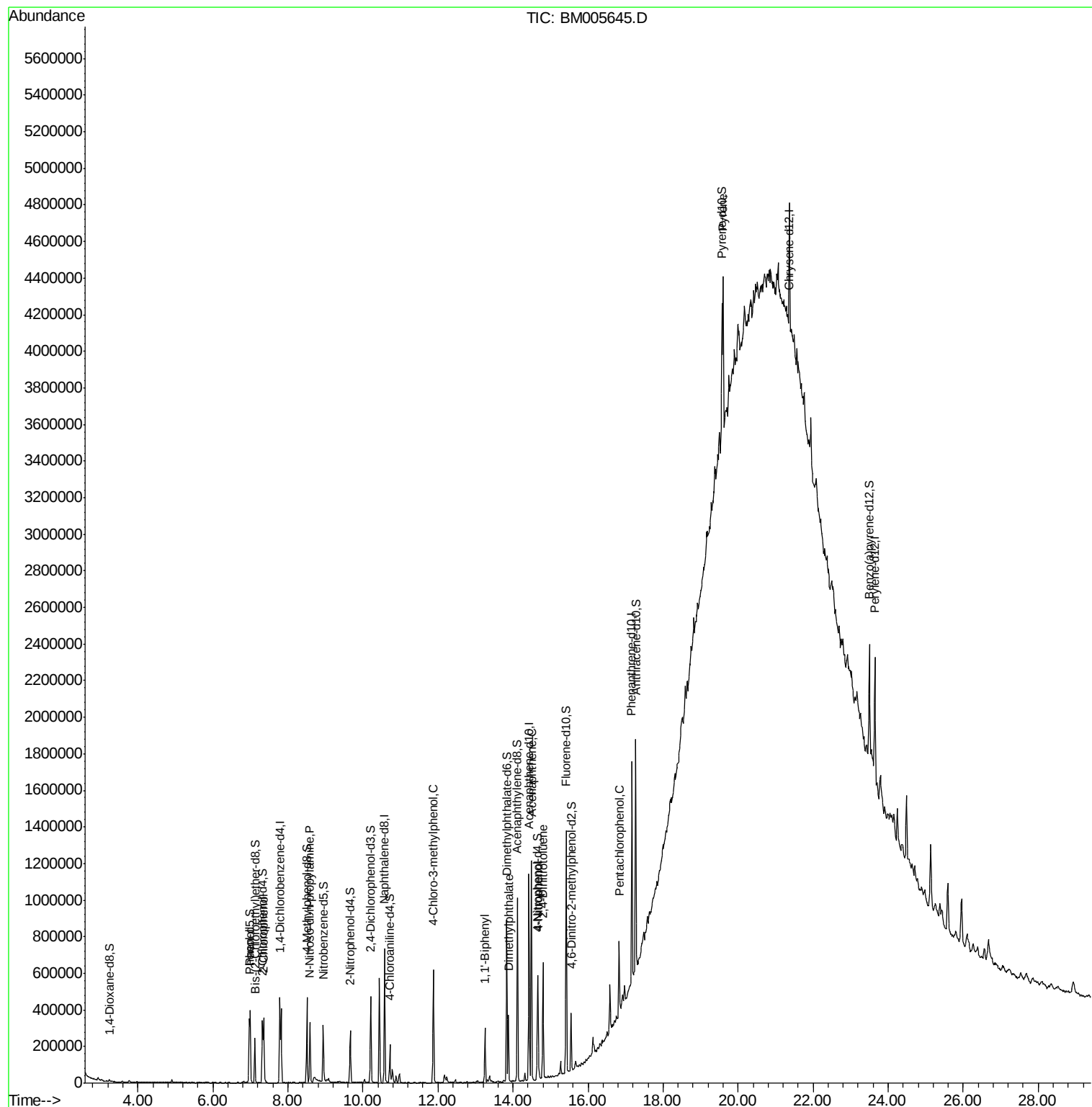
						Qvalue
6) Phenol	6.99	94	213991	19.84	ng/ul	92
10) 2-Chlorophenol	7.35	128	160639	18.32	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.59	70	123908	18.16	ng/ul	97
33) 4-Chloro-3-methylphenol	11.87	107	222885	21.05	ng/ul	100
40) 1,1'-Biphenyl	13.26	154	155645	4.99	ng/ul	99
44) Dimethylphthalate	13.88	163	226764	7.57	ng/ul	99
49) Acenaphthene	14.49	153	494570	19.47	ng/ul	100
52) 4-Nitrophenol	14.67	109	75565	13.11	ng/ul#	83
54) 2,4-Dinitrotoluene	14.80	165	173260	19.59	ng/ul	98
68) Pentachlorophenol	16.83	266	79098	13.67	ng/ul	97
77) Pyrene	19.60	202	755591	27.19	ng/ul	98

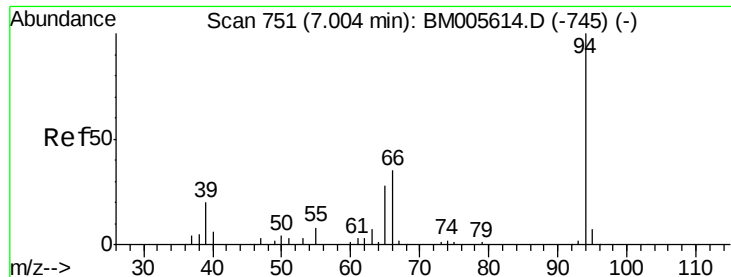
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed May 25 19:26:23 2016
Response via : Initial Calibration





#6

Phenol

Concen: 19.84 ng/ul

RT: 6.99 min Scan# 749

Delta R.T. 0.00 min

Lab File: BM005645.D

Acq: 25 May 2016 20:00

Instrument :

BNA_M

ClientSampleId :

D9WT7MS

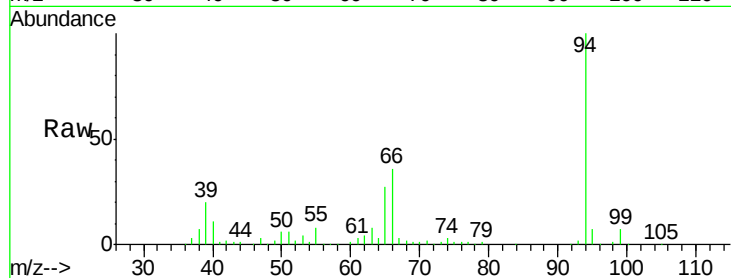
Tgt Ion: 94 Resp: 213991

Ion Ratio Lower Upper

94 100

65 27.3 24.2 36.2

66 36.0 33.9 50.9



Abundance Ion 94.00 (93.70 to 94.70): BM005614.D (-745) (-)

Ion 65.00 (64.70 to 65.70): BM005614.D (-745) (-)

Ion 66.00 (65.70 to 66.70): BM005614.D (-745) (-)

6.99

150000

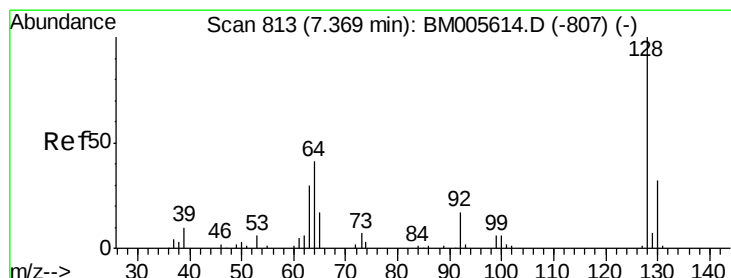
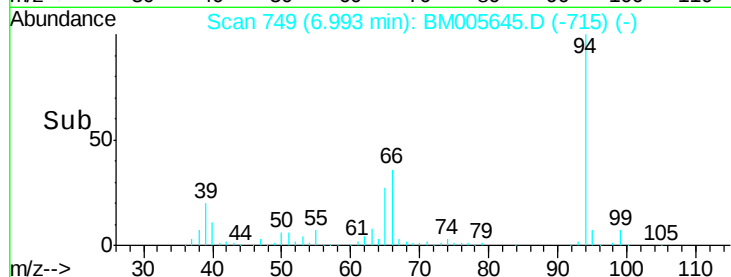
100000

50000

0

6.95 7.00 7.05 7.10

Time-->



#10

2-Chlorophenol

Concen: 18.32 ng/ul

RT: 7.35 min Scan# 810

Delta R.T. 0.00 min

Lab File: BM005645.D

Acq: 25 May 2016 20:00

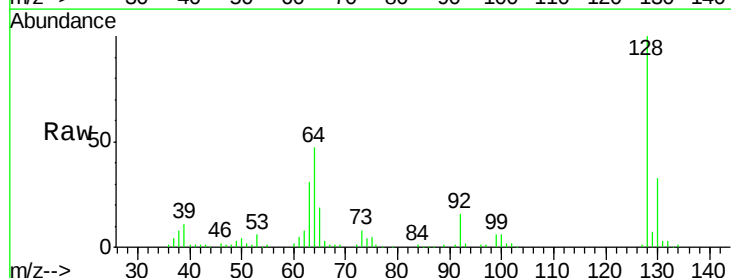
Tgt Ion: 128 Resp: 160639

Ion Ratio Lower Upper

128 100

64 46.7 37.3 55.9

130 32.5 26.6 40.0



Abundance Ion 128.00 (127.70 to 128.70): BM005614.D (-807) (-)

Ion 64.00 (63.70 to 64.70): BM005614.D (-807) (-)

Ion 130.00 (129.70 to 130.70): BM005614.D (-807) (-)

7.35

120000

100000

80000

60000

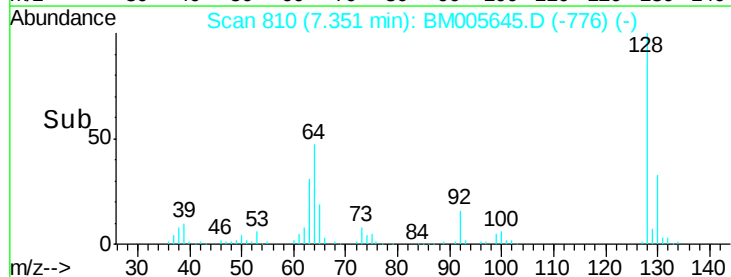
40000

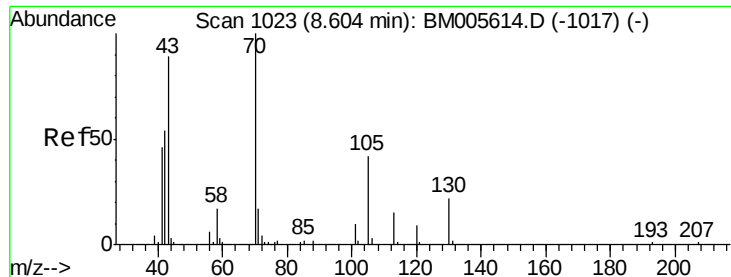
20000

0

7.30 7.35 7.40 7.45

Time-->





#15

N-Nitroso-di-n-propylamine

Concen: 18.16 ng/ul

RT: 8.59 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BM005645.D

Acq: 25 May 2016 20:00

Instrument :

BNA_M

ClientSampleId :

D9WT7MS

Tgt Ion: 70 Resp: 123908

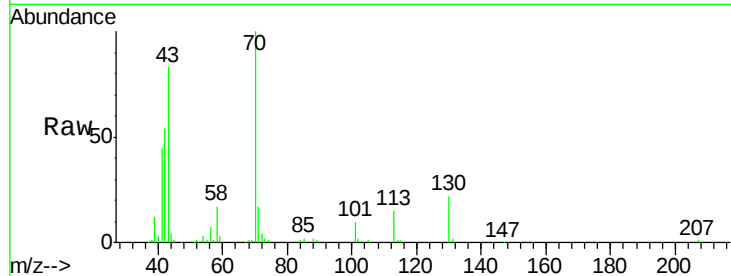
Ion Ratio Lower Upper

70 100

42 54.4 46.1 69.1

101 10.2 8.0 12.0

130 21.6 16.8 25.2



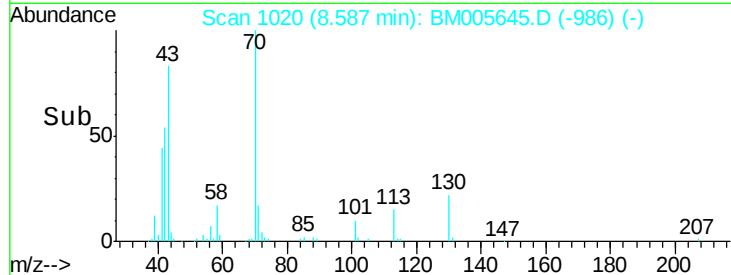
Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

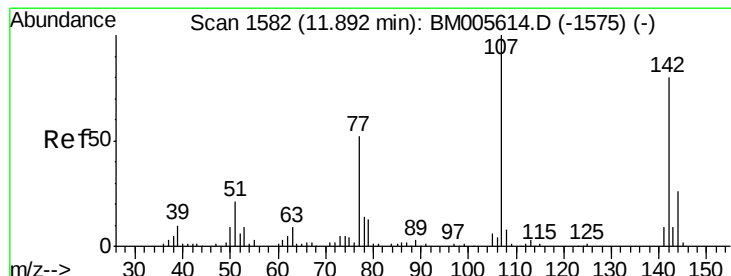
Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

Time-->



Time-->



#33

4-Chloro-3-methylphenol

Concen: 21.05 ng/ul

RT: 11.87 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BM005645.D

Acq: 25 May 2016 20:00

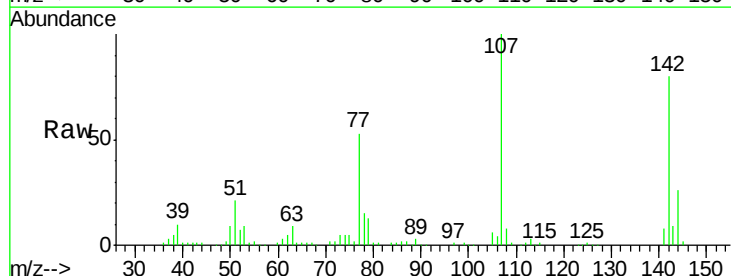
Tgt Ion: 107 Resp: 222885

Ion Ratio Lower Upper

107 100

144 26.0 20.6 31.0

142 79.7 63.5 95.3

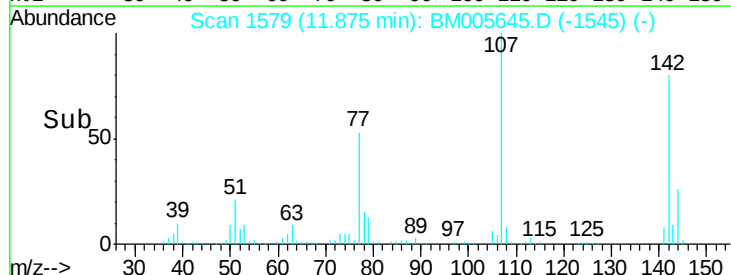


Abundance Ion 107.00 (106.70 to 107.70): E

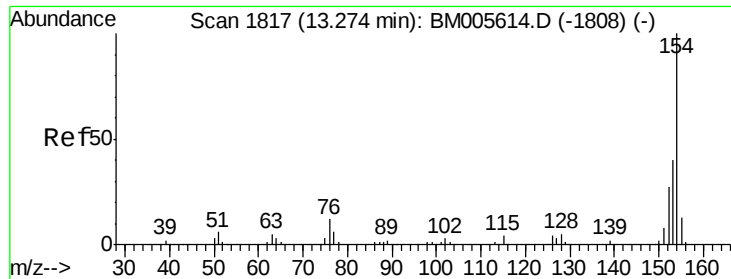
Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

Time-->



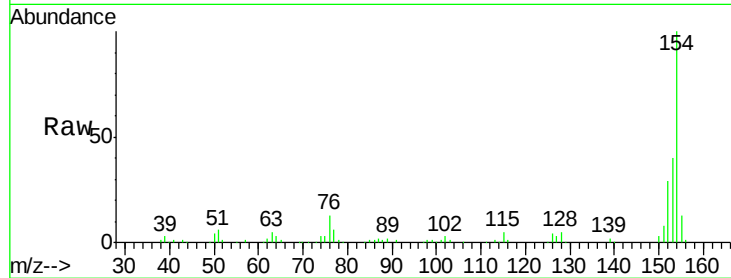
Time-->



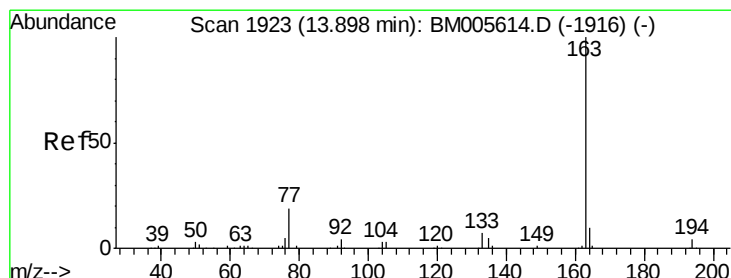
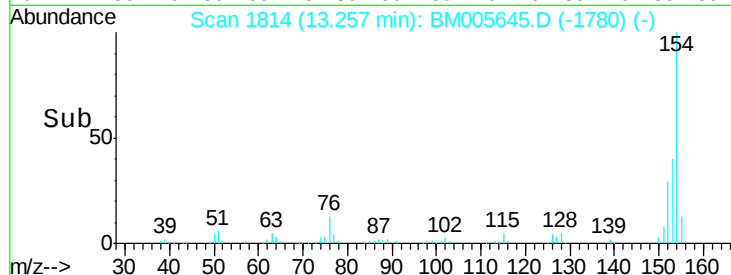
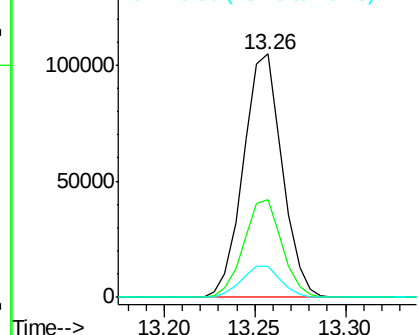
#40
 1,1'-Biphenyl
 Concen: 4.99 ng/ul
 RT: 13.26 min Scan# 1814
 Delta R.T. 0.00 min
 Lab File: BM005645.D
 Acq: 25 May 2016 20:00

Instrument :
 BNA_M
 ClientSampled :
 D9WT7MS

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.1	31.7	47.5
76	12.8	10.1	15.1

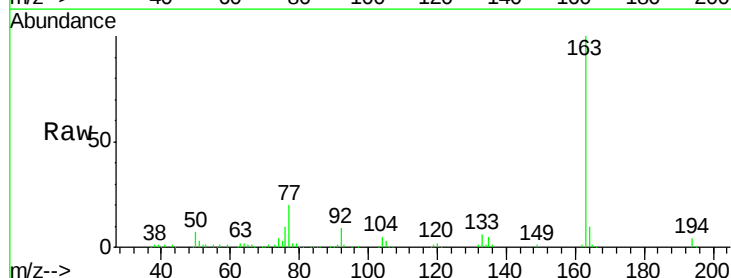


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

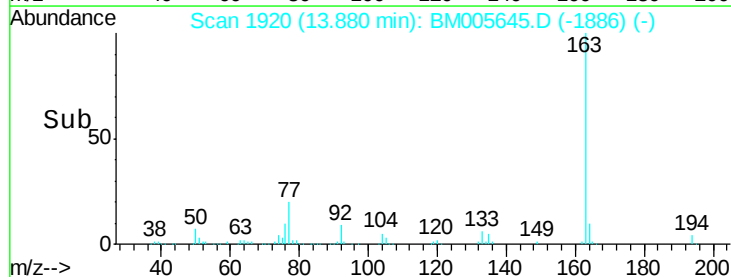
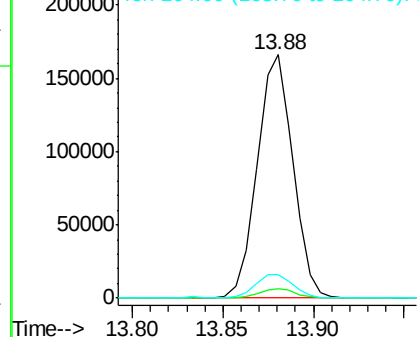


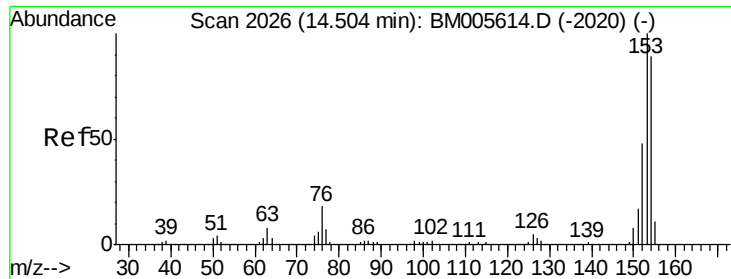
#44
 Dimethylphthalate
 Concen: 7.57 ng/ul
 RT: 13.88 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: BM005645.D
 Acq: 25 May 2016 20:00

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	9.7	8.0	12.0



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 19.47 ng/ul

RT: 14.49 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BM005645.D

Acq: 25 May 2016 20:00

Instrument :

BNA_M

ClientSampleId :

D9WT7MS

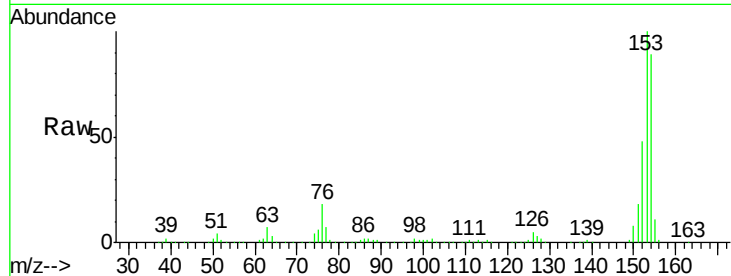
Tgt Ion:153 Resp: 494570

Ion Ratio Lower Upper

153 100

152 47.6 37.8 56.6

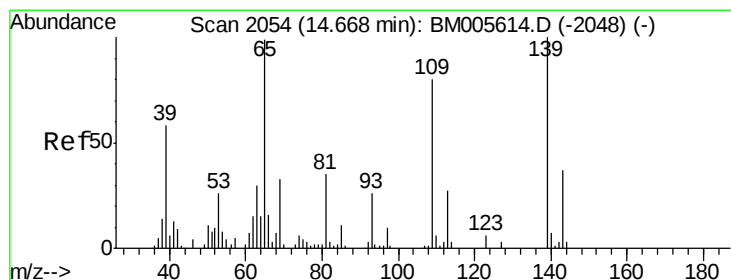
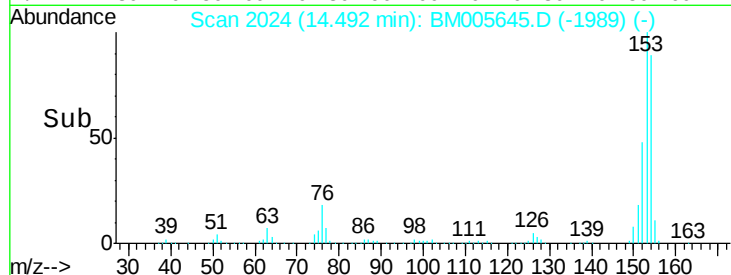
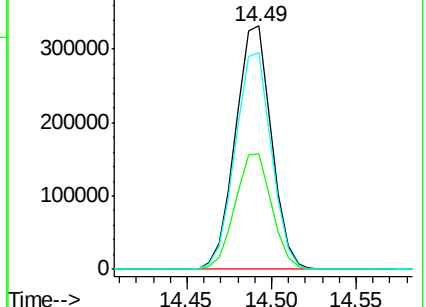
154 89.0 71.1 106.7



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#52

4-Nitrophenol

Concen: 13.11 ng/ul

RT: 14.67 min Scan# 2054

Delta R.T. 0.01 min

Lab File: BM005645.D

Acq: 25 May 2016 20:00

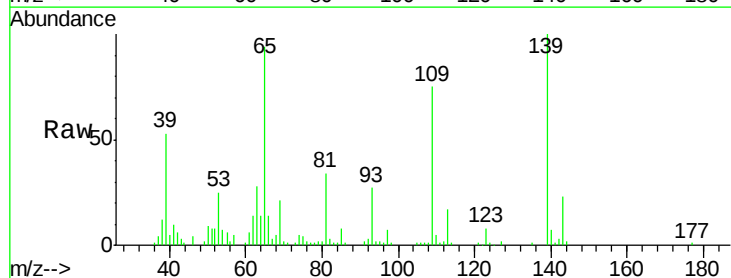
Tgt Ion:109 Resp: 75565

Ion Ratio Lower Upper

109 100

139 133.2 87.5 131.3#

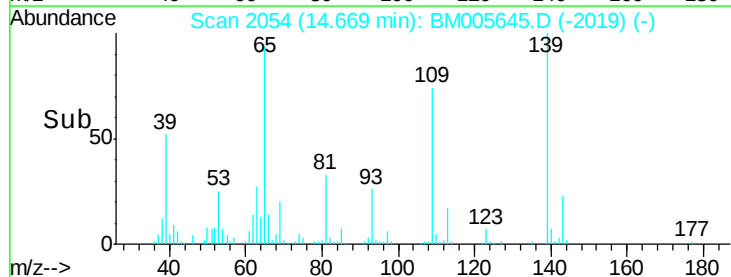
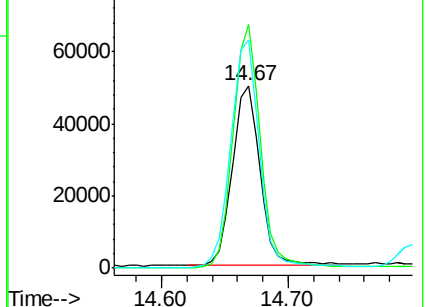
65 125.0 90.2 135.2

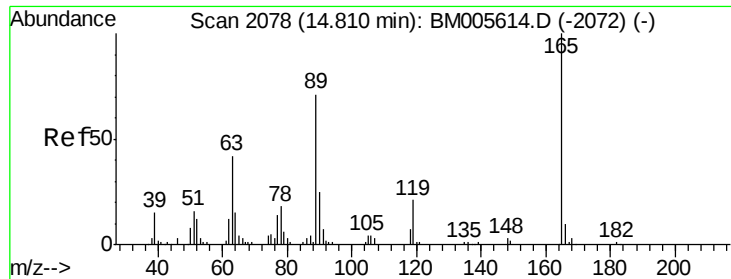


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): E





#54

2,4-Dinitrotoluene

Concen: 19.59 ng/ul

RT: 14.80 min Scan# 2076

Delta R.T. 0.00 min

Lab File: BM005645.D

Acq: 25 May 2016 20:00

Instrument :

BNA_M

ClientSampleId :

D9WT7MS

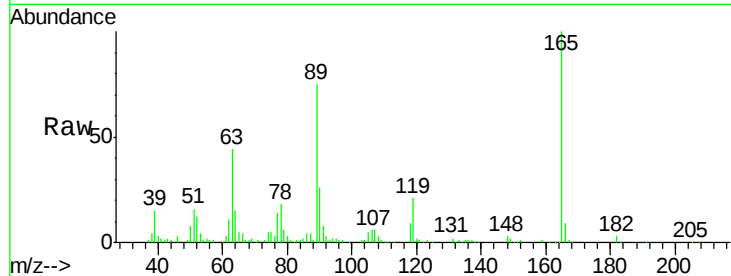
Tgt Ion:165 Resp: 173260

Ion Ratio Lower Upper

165 100

63 44.0 33.9 50.9

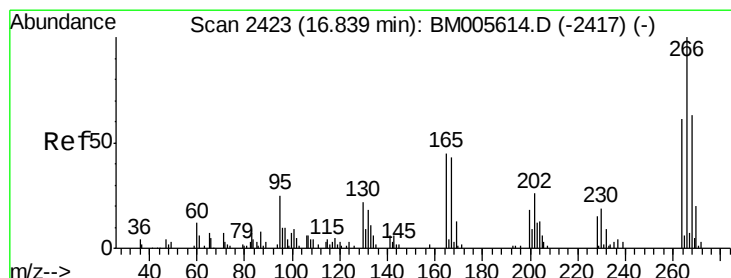
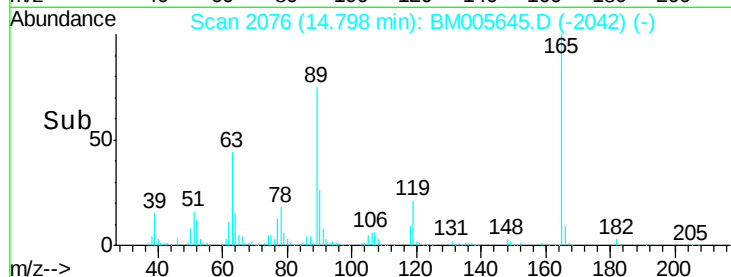
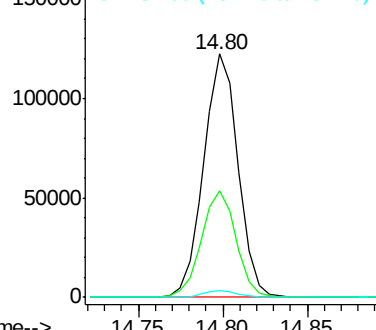
182 2.8 2.3 3.5



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E



#68

Pentachlorophenol

Concen: 13.67 ng/ul

RT: 16.83 min Scan# 2421

Delta R.T. 0.00 min

Lab File: BM005645.D

Acq: 25 May 2016 20:00

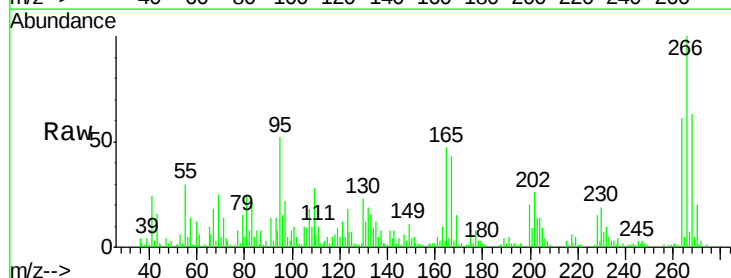
Tgt Ion:266 Resp: 79098

Ion Ratio Lower Upper

266 100

264 61.5 50.9 76.3

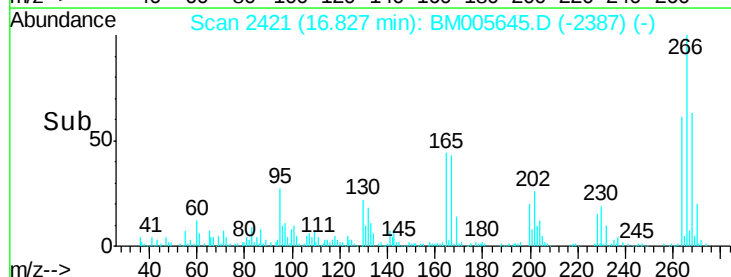
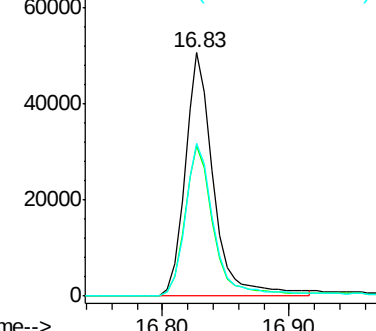
268 62.9 52.8 79.2

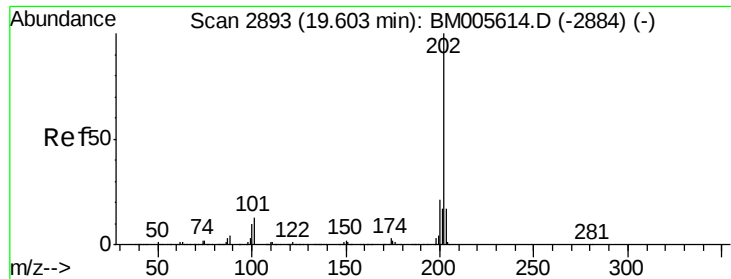


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

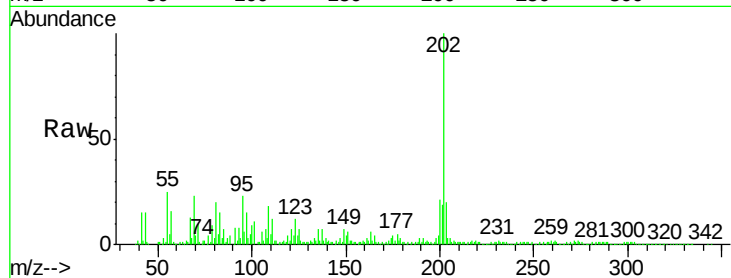




#77
 Pyrene
 Concen: 27.19 ng/ul
 RT: 19.60 min Scan# 2892
 Delta R.T. 0.01 min
 Lab File: BM005645.D
 Acq: 25 May 2016 20:00

Instrument :
 BNA_M
 ClientSampleId :
 D9WT7MS

Tgt Ion:	202	Resp:	755591
Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.6	14.4
100	8.8	7.8	11.6



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

