

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051816\
 Data File : BM005495.D
 Acq On : 19 May 2016 06:37
 Operator : UM/SJ
 Sample : H2954-04MS
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H4086MS

Quant Time: May 19 07:09:57 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 18 14:47:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	37452	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	194685	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.46	164	138602	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	399740	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	677843	20.00	ng/ul	-0.01
83) Perylene-d12	23.66	264	823320	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.32	96	1208	1.24	ng/uL	0.00
5) Phenol-d5	6.99	99	39547	10.99	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	23280	11.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	30479	11.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	36071	11.77	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	15691	11.19	ng/ul	0.00
22) 2-Nitrophenol-d4	9.71	143	17008	11.12	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.24	165	35597	11.71	ng/ul	0.00
29) 4-Chloroaniline-d4	10.76	131	55307	15.83	ng/ul	0.00
43) Dimethylphthalate-d6	13.87	166	144940	12.72	ng/ul	0.00
46) Acenaphthylene-d8	14.16	160	168999	12.56	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	22692	9.71	ng/ul	0.00
57) Fluorene-d10	15.46	176	134063	13.33	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	16760	7.95	ng/ul	0.00
70) Anthracene-d10	17.30	188	241651	13.14	ng/ul	0.00
76) Pyrene-d10	19.59	212	341660	12.54	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	499646	13.57	ng/ul	-0.01

Target Compounds

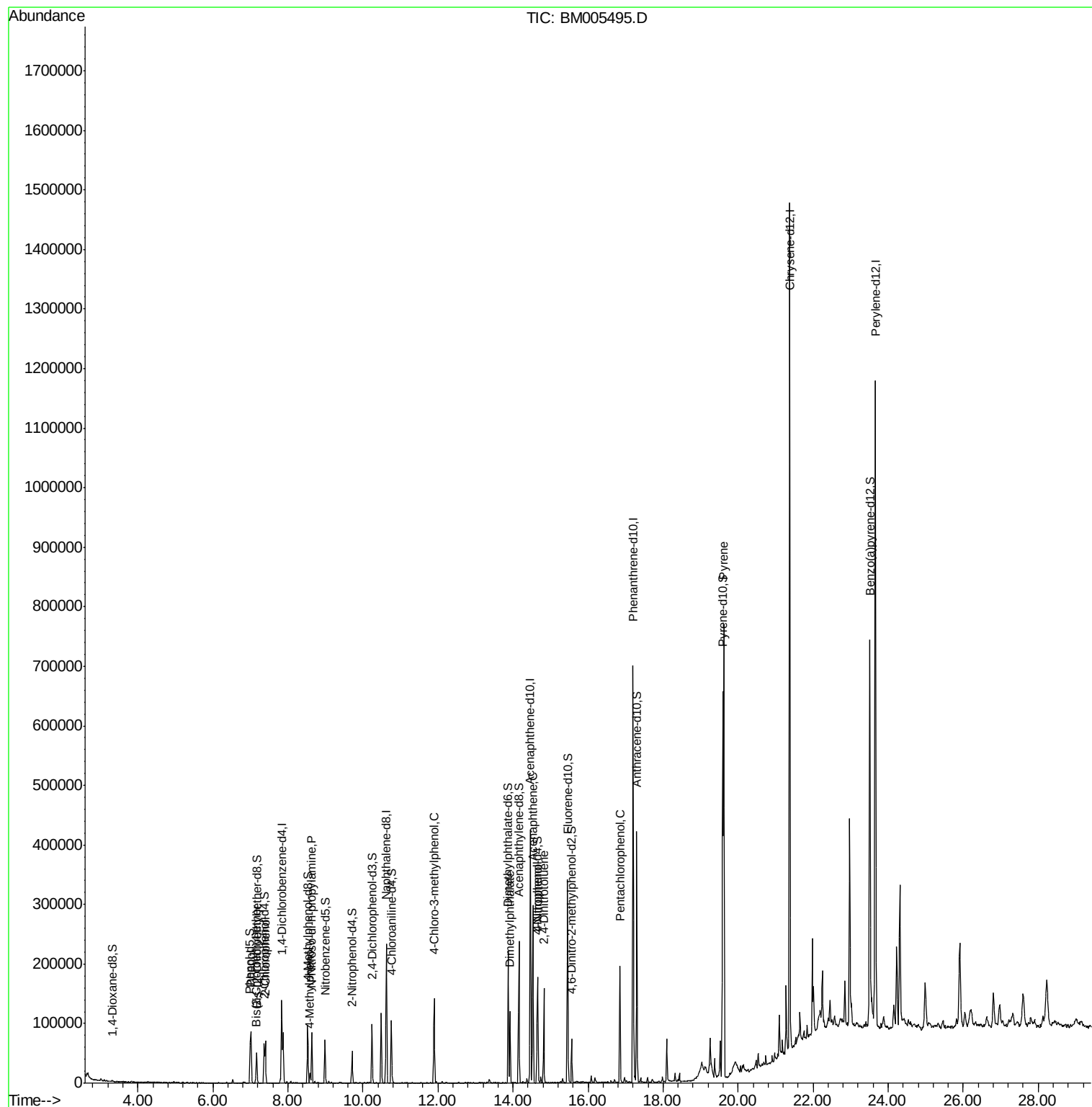
						Qvalue
6) Phenol	7.02	94	43489	11.50	ng/ul	100
8) Bis(2-Chloroethyl)ether	7.15	93	3370	1.23	ng/ul#	21
10) 2-Chlorophenol	7.40	128	31299	11.01	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.63	70	30659	11.75	ng/ul	97
16) 4-Methylphenol	8.59	108	6316	1.91	ng/ul	98
33) 4-Chloro-3-methylphenol	11.90	107	48468	12.78	ng/ul	96
44) Dimethylphthalate	13.92	163	76084	6.55	ng/ul	98
49) Acenaphthene	14.53	153	120178	12.63	ng/ul	99
52) 4-Nitrophenol	14.66	109	25284	12.08	ng/ul	86
54) 2,4-Dinitrotoluene	14.82	165	42106	12.41	ng/ul#	99
68) Pentachlorophenol	16.85	266	34348	11.35	ng/ul	99
77) Pyrene	19.62	202	458024	12.61	ng/ul	96

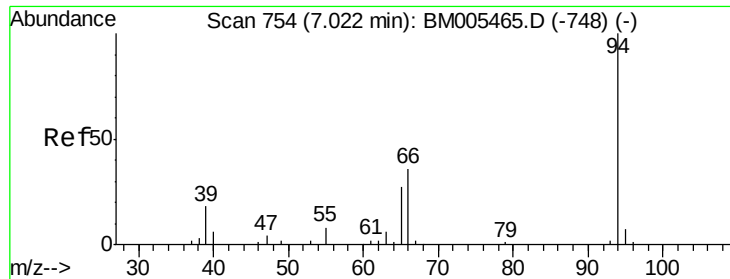
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 11.50 ng/ul

RT: 7.02 min Scan# 753

Delta R.T. -0.01 min

Lab File: BM005495.D

Acq: 19 May 2016 06:37

Instrument :

BNA_M

ClientSampleId :

H4086MS

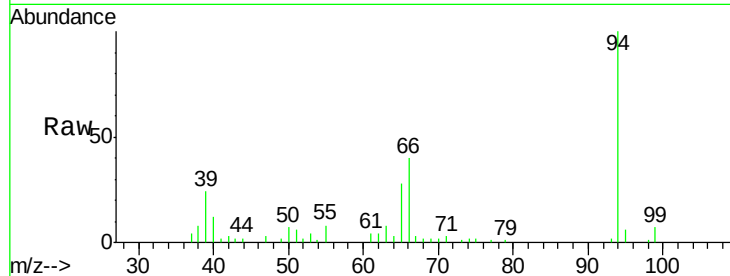
Tgt Ion: 94 Resp: 43489

Ion Ratio Lower Upper

94 100

65 28.4 22.7 34.1

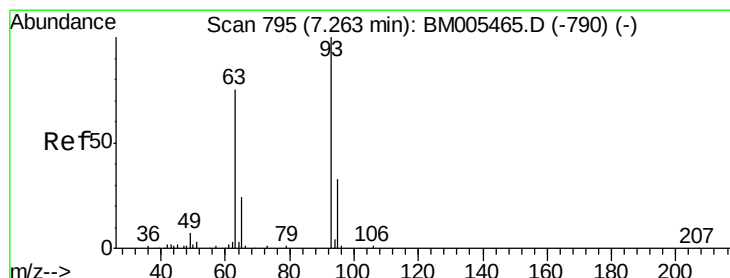
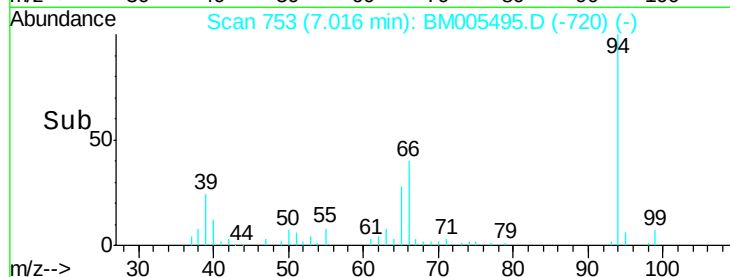
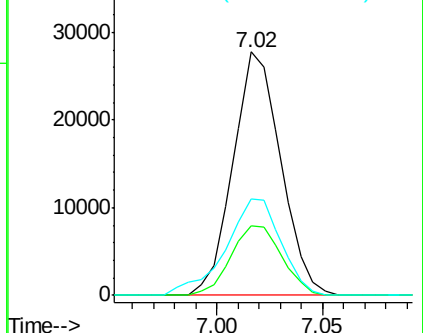
66 39.8 31.7 47.5



Abundance Ion 94.00 (93.70 to 94.70): BM005465.D (-748) (-)

Ion 65.00 (64.70 to 65.70): BM005465.D (-748) (-)

Ion 66.00 (65.70 to 66.70): BM005465.D (-748) (-)



#8

Bis(2-Chloroethyl)ether

Concen: 1.23 ng/ul

RT: 7.15 min Scan# 775

Delta R.T. -0.12 min

Lab File: BM005495.D

Acq: 19 May 2016 06:37

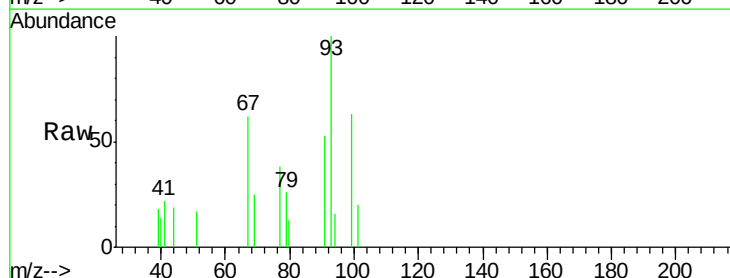
Tgt Ion: 93 Resp: 3370

Ion Ratio Lower Upper

93 100

63 0.0 60.6 90.8#

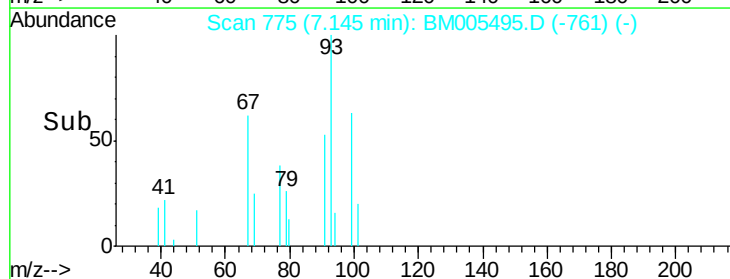
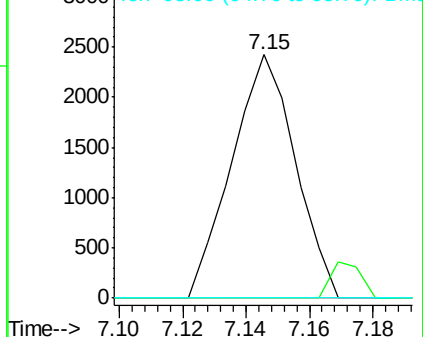
95 0.0 24.2 36.4#

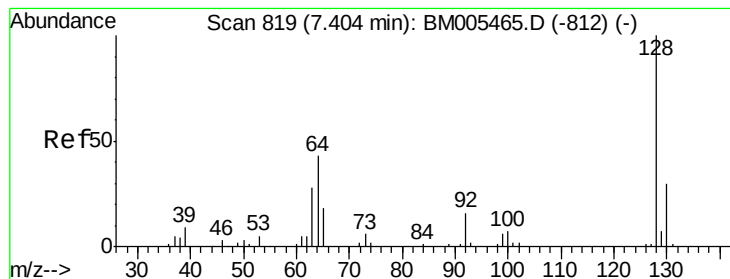


Abundance Ion 93.00 (92.70 to 93.70): BM005465.D (-790) (-)

Ion 63.00 (62.70 to 63.70): BM005465.D (-790) (-)

Ion 95.00 (94.70 to 95.70): BM005465.D (-790) (-)





#10

2-Chlorophenol

Concen: 11.01 ng/ul

RT: 7.40 min Scan# 818

Delta R.T. -0.01 min

Lab File: BM005495.D

Acq: 19 May 2016 06:37

Instrument :

BNA_M

ClientSampleId :

H4086MS

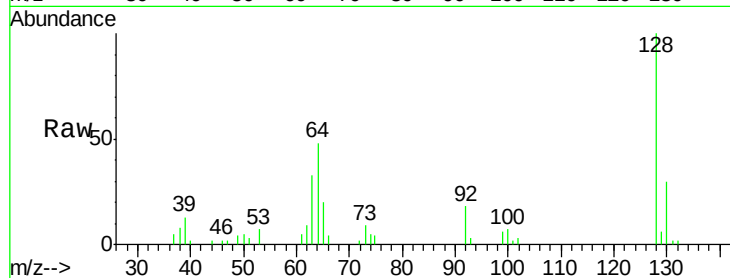
Tgt Ion:128 Resp: 31299

Ion Ratio Lower Upper

128 100

64 47.6 37.8 56.8

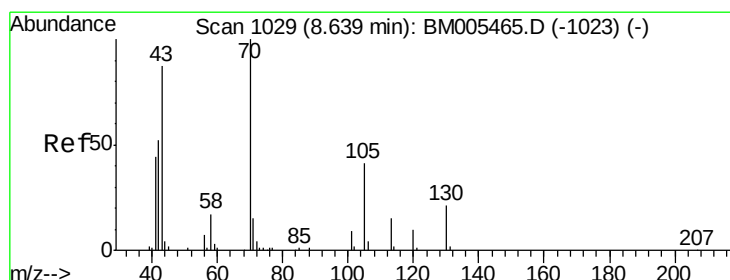
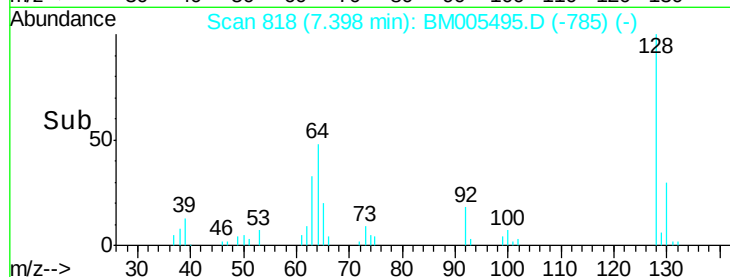
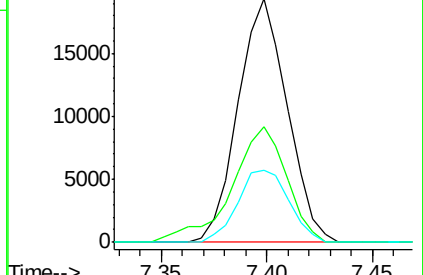
130 29.8 24.9 37.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 130.00 (129.70 to 130.70): E



#15

N-Nitroso-di-n-propylamine

Concen: 11.75 ng/ul

RT: 8.63 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BM005495.D

Acq: 19 May 2016 06:37

Tgt Ion: 70 Resp: 30659

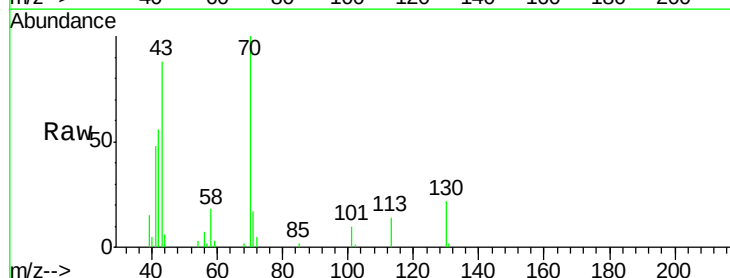
Ion Ratio Lower Upper

70 100

42 55.9 42.8 64.2

101 9.9 7.8 11.6

130 21.6 15.7 23.5

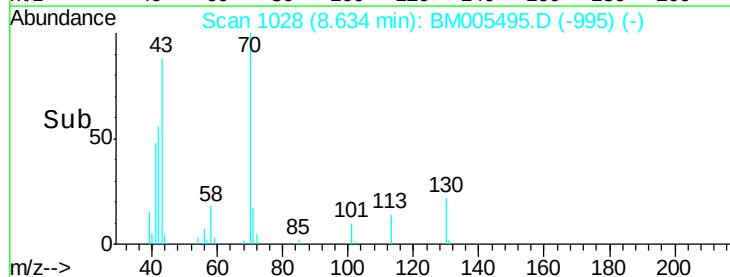
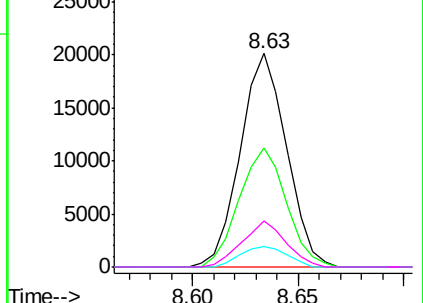


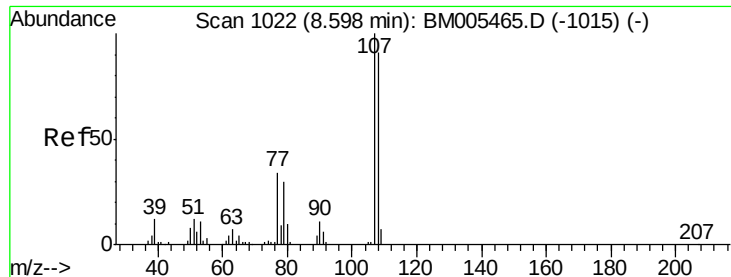
Abundance Ion 70.00 (69.70 to 70.70): BM0

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

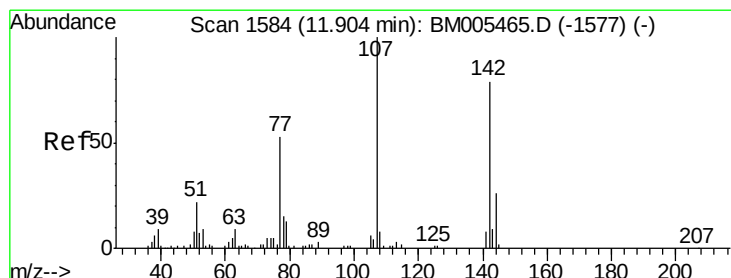
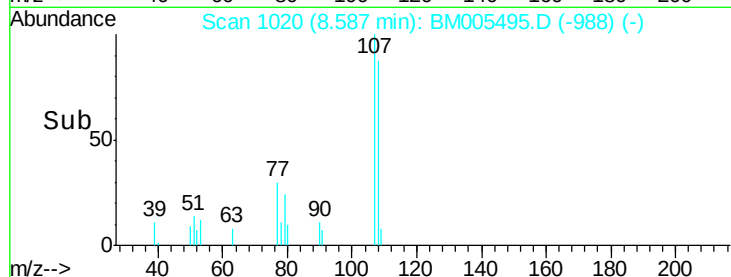
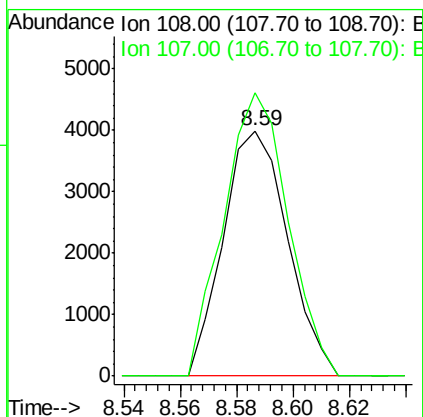
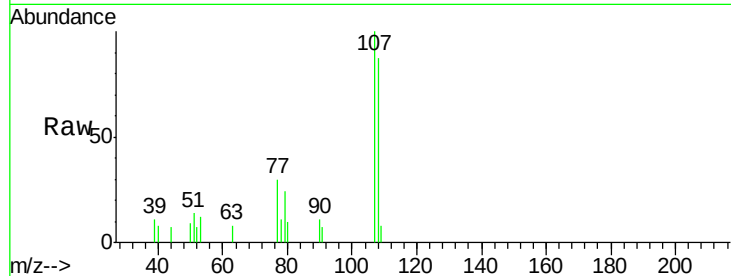




#16
4-Methylphenol
Concen: 1.91 ng/ul
RT: 8.59 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BM005495.D
Acq: 19 May 2016 06:37

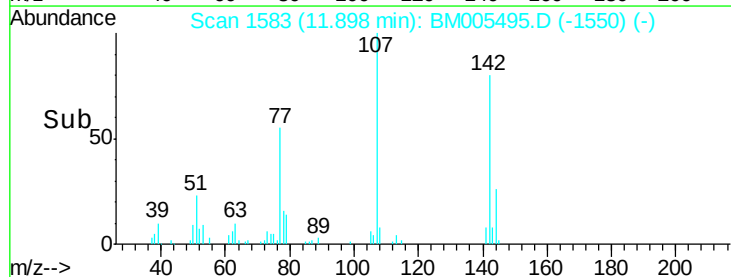
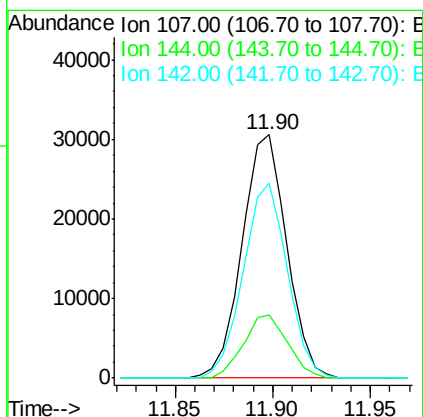
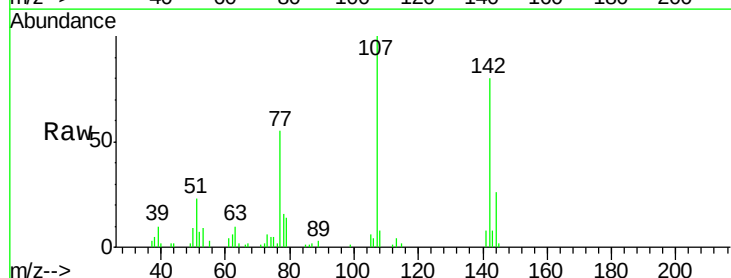
Instrument :
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ClientSampleId :
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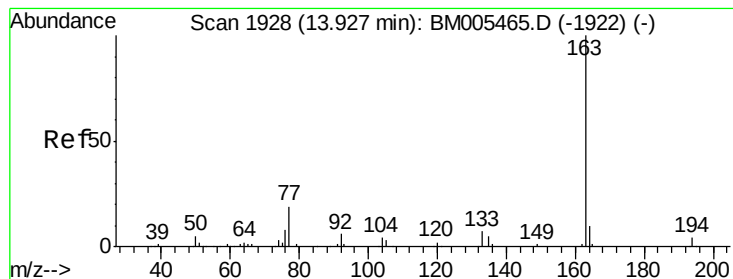
Tgt Ion:108 Resp: 6316
Ion Ratio Lower Upper
108 100
107 115.5 91.1 136.7



#33
4-Chloro-3-methylphenol
Concen: 12.78 ng/ul
RT: 11.90 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BM005495.D
Acq: 19 May 2016 06:37

Tgt Ion:107 Resp: 48468
Ion Ratio Lower Upper
107 100
144 26.1 19.3 28.9
142 79.9 60.8 91.2





#44

Dimethylphthalate

Concen: 6.55 ng/ul

RT: 13.92 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BM005495.D

Acq: 19 May 2016 06:37

Instrument :

BNA_M

ClientSampleId :

H4086MS

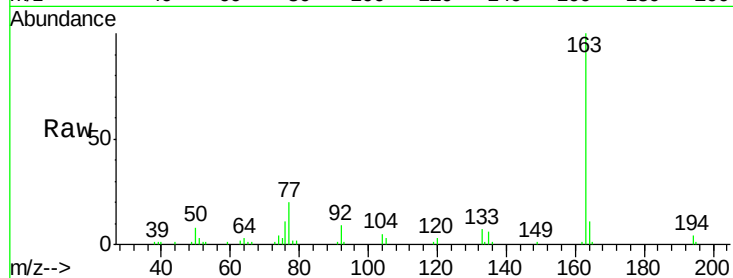
Tgt Ion:163 Resp: 76084

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.0

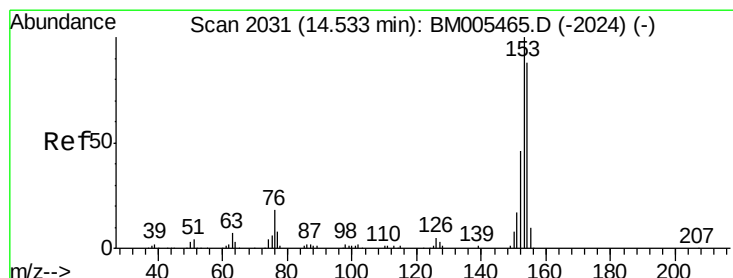
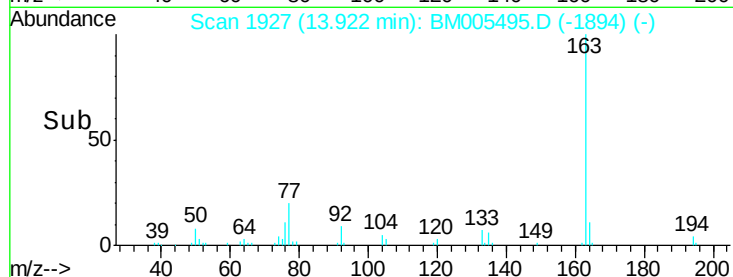
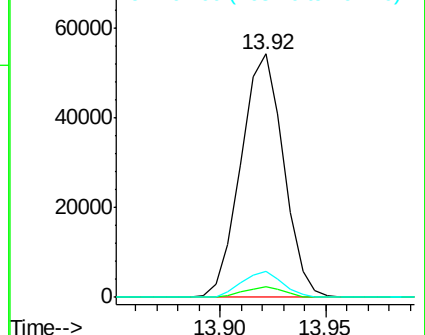
164 10.6 7.9 11.9



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: 12.63 ng/ul

RT: 14.53 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BM005495.D

Acq: 19 May 2016 06:37

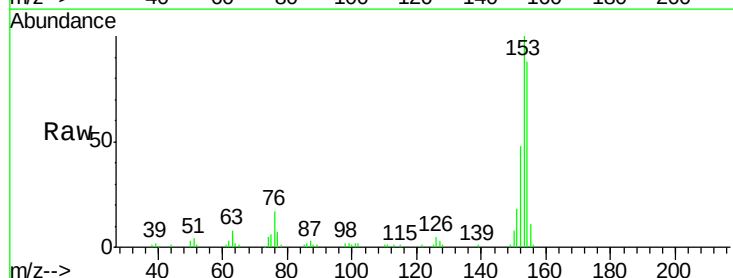
Tgt Ion:153 Resp: 120178

Ion Ratio Lower Upper

153 100

152 47.6 38.9 58.3

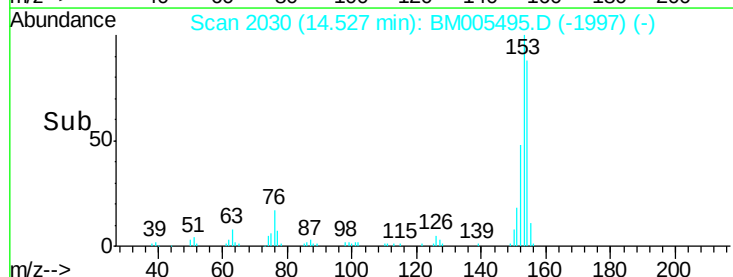
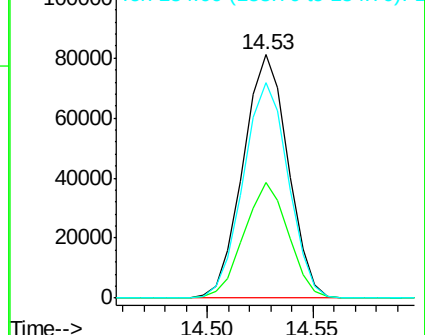
154 88.5 70.3 105.5

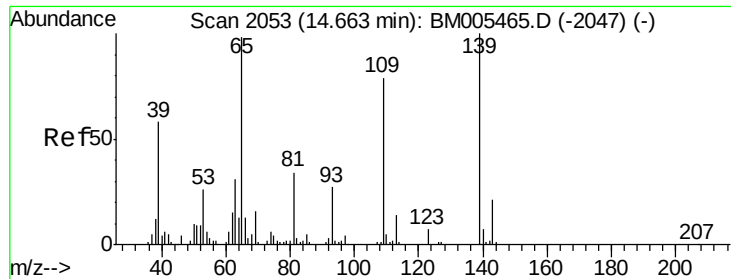


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 12.08 ng/ul

RT: 14.66 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BM005495.D

Acq: 19 May 2016 06:37

Instrument :

BNA_M

ClientSampled :

H4086MS

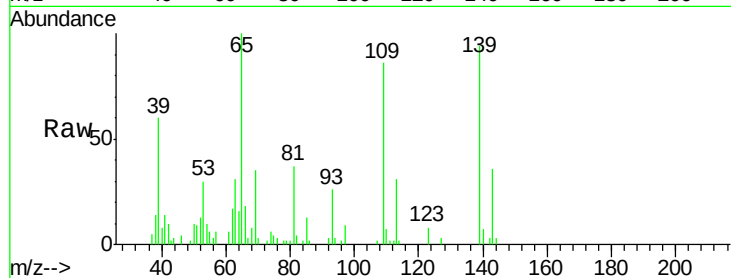
Tgt Ion:109 Resp: 25284

Ion Ratio Lower Upper

109 100

139 110.1 103.6 155.4

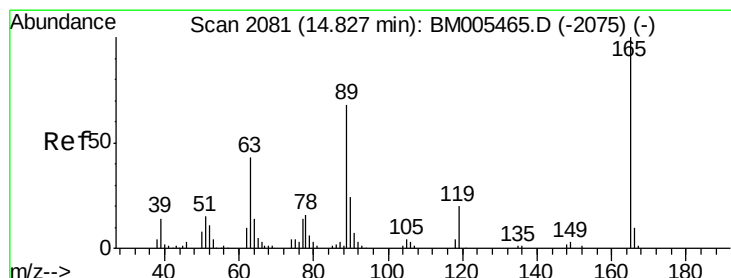
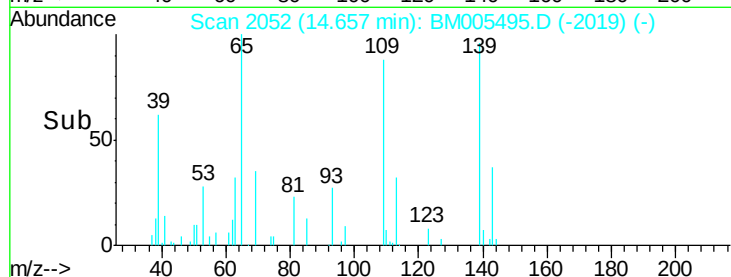
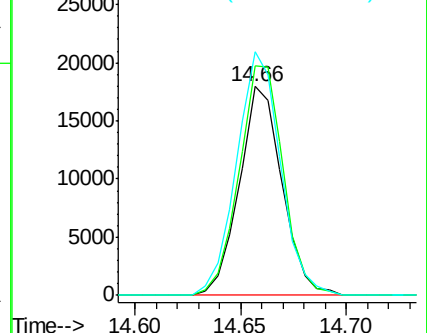
65 116.6 104.7 157.1



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): BM



#54

2,4-Dinitrotoluene

Concen: 12.41 ng/ul

RT: 14.82 min Scan# 2080

Delta R.T. -0.01 min

Lab File: BM005495.D

Acq: 19 May 2016 06:37

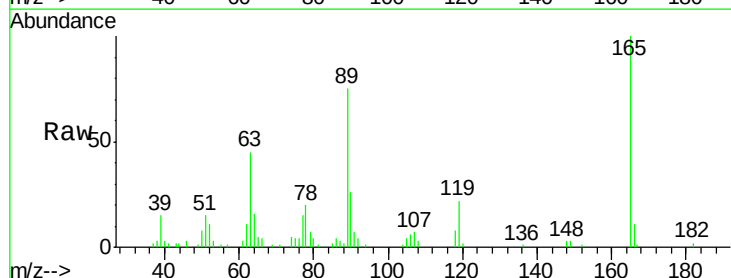
Tgt Ion:165 Resp: 42106

Ion Ratio Lower Upper

165 100

63 44.5 36.2 54.4

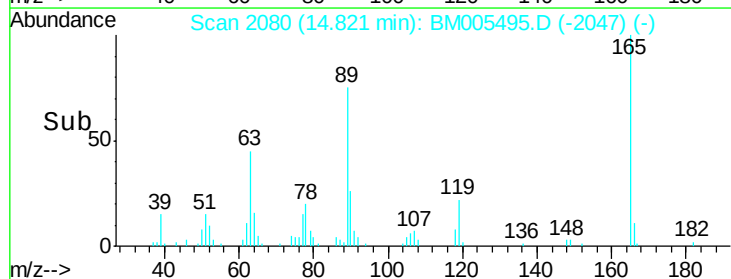
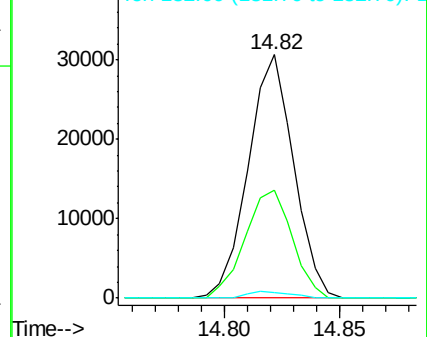
182 2.0 2.5 3.7#

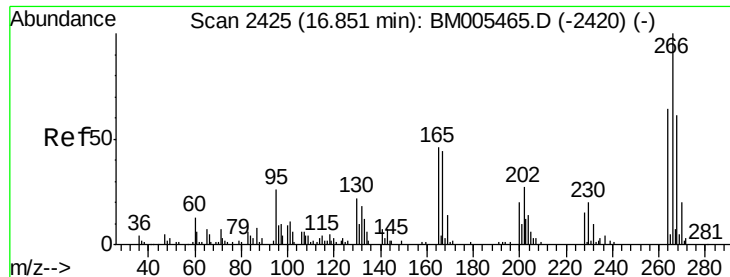


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E

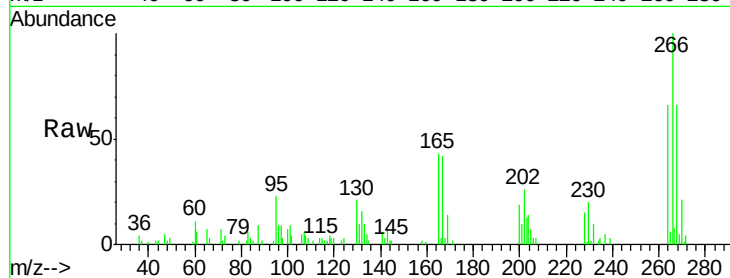




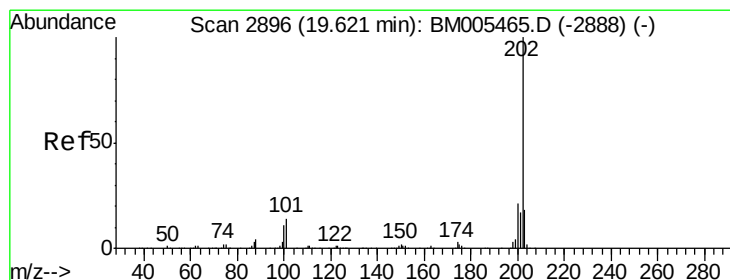
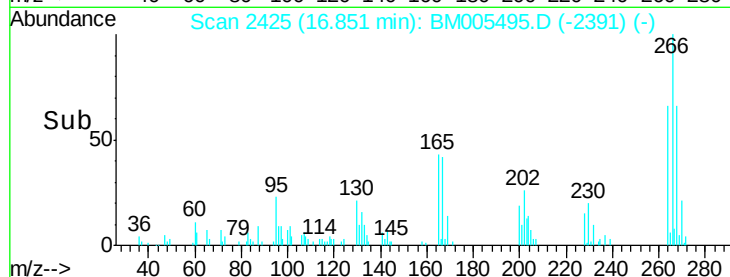
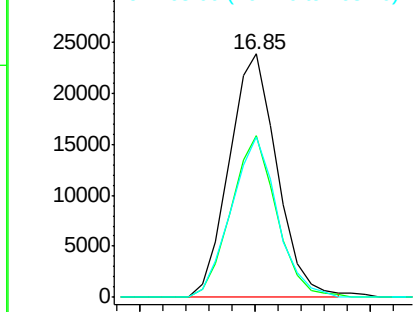
#68
 Pentachlorophenol
 Concen: 11.35 ng/ul
 RT: 16.85 min Scan# 2425
 Delta R.T. 0.00 min
 Lab File: BM005495.D
 Acq: 19 May 2016 06:37

Instrument :
 BNA_M
 ClientSampleId :
 H4086MS

Tgt Ion:266 Resp: 34348
 Ion Ratio Lower Upper
 266 100
 264 66.3 52.0 78.0
 268 65.9 53.0 79.6

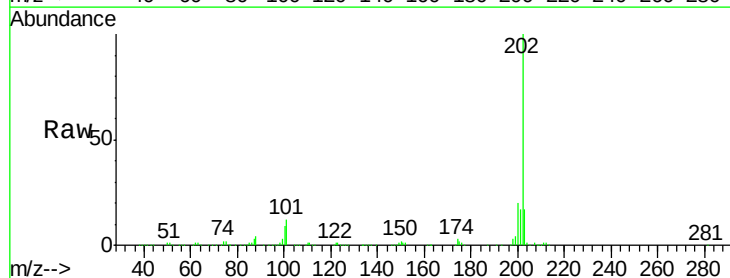


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E



#77
 Pyrene
 Concen: 12.61 ng/ul
 RT: 19.62 min Scan# 2895
 Delta R.T. -0.01 min
 Lab File: BM005495.D
 Acq: 19 May 2016 06:37

Tgt Ion:202 Resp: 458024
 Ion Ratio Lower Upper
 202 100
 101 11.8 10.8 16.2
 100 8.9 8.4 12.6



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

