

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051316\
 Data File : BM005453.D
 Acq On : 14 May 2016 06:58
 Operator : UM/SJ
 Sample : H2834-03MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H4002MSD

Quant Time: May 16 03:39:45 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat May 14 00:15:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	43867	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	207205	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.39	164	139326	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	365368	20.00	ng/ul	0.00
75) Chrysene-d12	21.33	240	539904	20.00	ng/ul	0.00
83) Perylene-d12	23.60	264	535616	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	1271	1.36	ng/uL	0.00
5) Phenol-d5	6.93	99	24392	6.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	66053	29.10	ng/ul	0.00
9) 2-Chlorophenol-d4	7.29	132	71708	23.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.46	113	44390	13.50	ng/ul	0.00
19) Nitrobenzene-d5	8.91	128	45414	30.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.63	143	49552	29.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.17	165	82257	26.42	ng/ul	0.00
29) 4-Chloroaniline-d4	10.71	131	7166	1.91	ng/ul	0.03
43) Dimethylphthalate-d6	13.80	166	352494	31.56	ng/ul	0.00
46) Acenaphthylene-d8	14.08	160	407690	31.12	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	8124	3.99	ng/ul	0.02
57) Fluorene-d10	15.39	176	313393	32.50	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	51368	24.99	ng/ul	0.00
70) Anthracene-d10	17.24	188	543327	33.64	ng/ul	0.00
76) Pyrene-d10	19.54	212	720300	28.90	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.46	264	797098	33.62	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	6.96	94	27811	6.76 ng/ul	98
8) Bis(2-Chloroethyl)ether	7.32	93	1496	0.48 ng/ul#	1
10) 2-Chlorophenol	7.32	128	74504	24.24 ng/ul	96
15) N-Nitroso-di-n-propylamine	8.55	70	80908	31.78 ng/ul	98
21) Isophorone	9.63	82	4285	0.60 ng/ul#	67
33) 4-Chloro-3-methylphenol	11.84	107	101938	26.67 ng/ul	99
45) 2,6-Dinitrotoluene	13.80	165	2205	1.00 ng/ul#	40
49) Acenaphthene	14.46	153	295135	32.32 ng/ul	99
52) 4-Nitrophenol	14.65	109	8595	5.07 ng/ul	96
54) 2,4-Dinitrotoluene	14.77	165	117093	35.68 ng/ul	99
56) Diethylphthalate	15.22	149	1891	0.17 ng/ul#	85
58) Fluorene	15.39	166	456	0.04 ng/ul#	9
68) Pentachlorophenol	16.80	266	51388	23.54 ng/ul	97
72) Carbazole	17.42	167	462	0.03 ng/ul#	60
73) Di-n-butylphthalate	18.10	149	10038	0.49 ng/ul#	98
74) Fluoranthene	19.15	202	1805	0.08 ng/ul#	45
77) Pyrene	19.57	202	917137	29.29 ng/ul	99
80) Benzo(a)anthracene	21.34	228	1077	0.03 ng/ul#	59
81) Bis(2-ethylhexyl)phthalate	21.24	149	6973	0.39 ng/ul#	95
82) Chrysene	21.34	228	1077	0.04 ng/ul#	56
84) Di-n-octyl phthalate	22.12	149	338	0.01 ng/ul#	1
88) Benzo(a)pyrene	23.46	252	2419	0.08 ng/ul#	58

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Response via : Initial Calibration

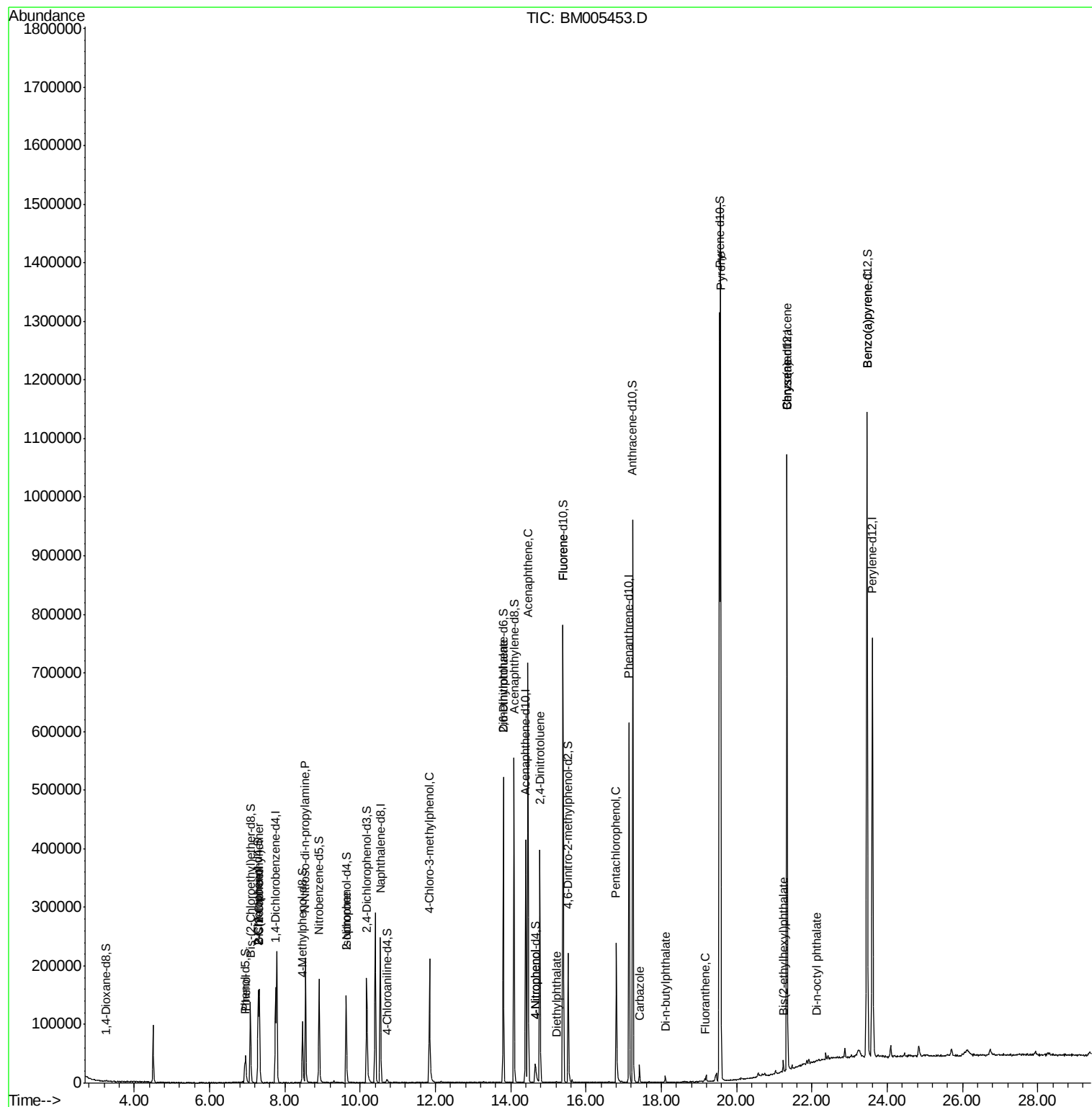
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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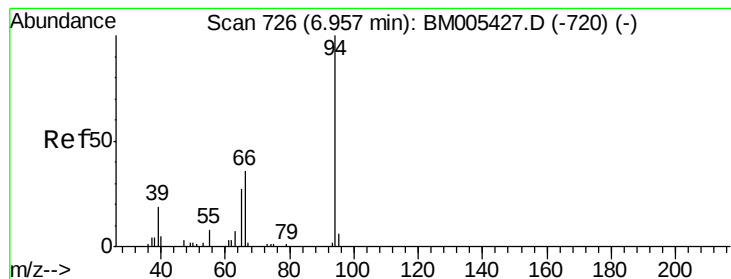
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 6.76 ng/ul

RT: 6.96 min Scan# 726

Delta R.T. -0.00 min

Lab File: BM005453.D

Acq: 14 May 2016 06:58

Instrument :

BNA_M

ClientSampleId :

H4002MSD

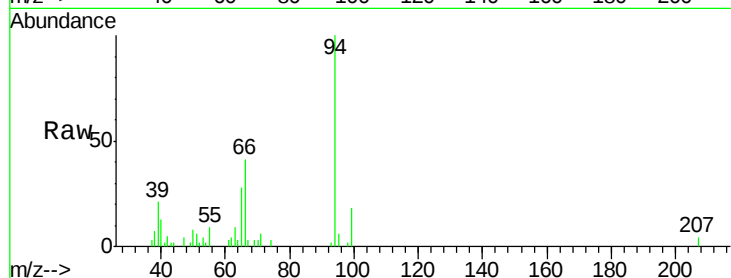
Tgt Ion: 94 Resp: 27811

Ion Ratio Lower Upper

94 100

65 28.0 22.7 34.1

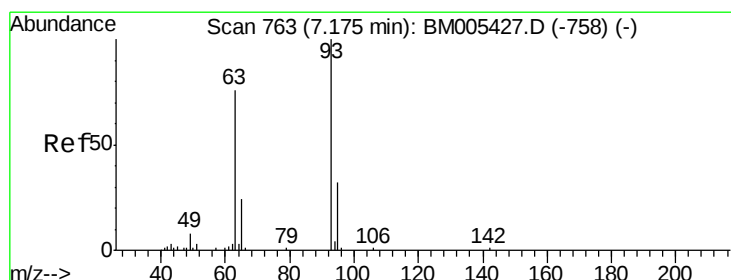
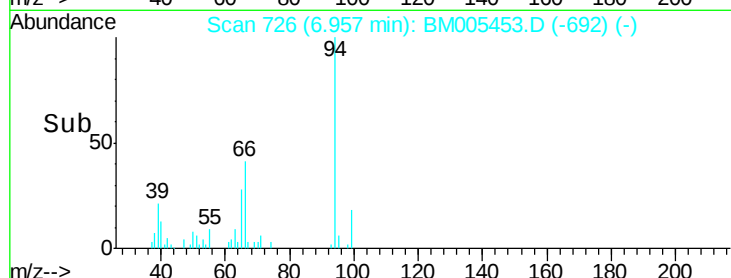
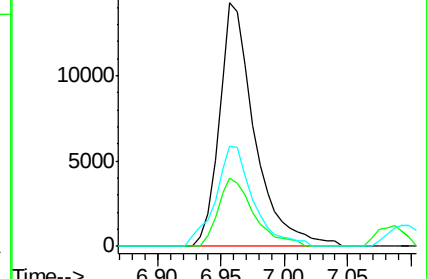
66 41.0 31.7 47.5



Abundance Ion 94.00 (93.70 to 94.70): BM005427.D (-720) (-)

Ion 65.00 (64.70 to 65.70): BM005427.D (-720) (-)

Ion 66.00 (65.70 to 66.70): BM005427.D (-720) (-)



#8

Bis(2-Chloroethyl)ether

Concen: 0.48 ng/ul

RT: 7.32 min Scan# 787

Delta R.T. 0.14 min

Lab File: BM005453.D

Acq: 14 May 2016 06:58

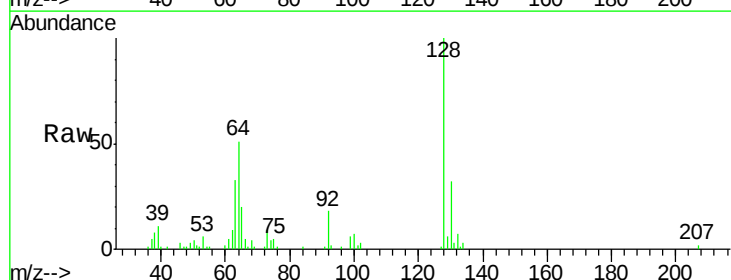
Tgt Ion: 93 Resp: 1496

Ion Ratio Lower Upper

93 100

63 1411.6 60.6 90.8#

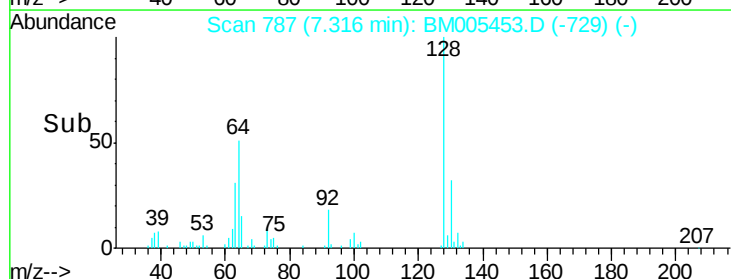
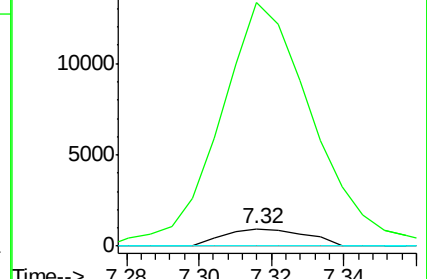
95 0.0 24.2 36.4#

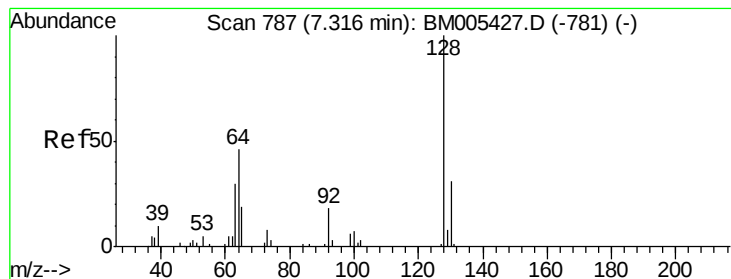


Abundance Ion 93.00 (92.70 to 93.70): BM005427.D (-758) (-)

Ion 63.00 (62.70 to 63.70): BM005427.D (-758) (-)

Ion 95.00 (94.70 to 95.70): BM005427.D (-758) (-)





#10

2-Chlorophenol

Concen: 24.24 ng/ul

RT: 7.32 min Scan# 787

Delta R.T. -0.00 min

Lab File: BM005453.D

Acq: 14 May 2016 06:58

Instrument :

BNA_M

ClientSampleId :

H4002MSD

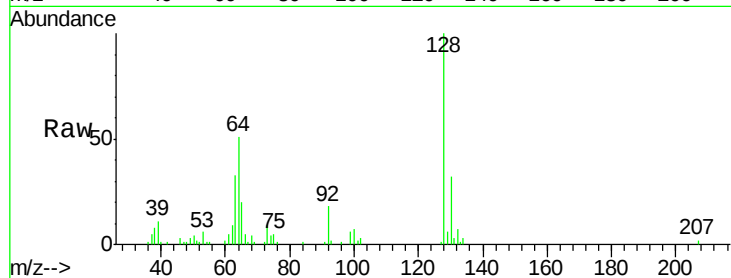
Tgt Ion:128 Resp: 74504

Ion Ratio Lower Upper

128 100

64 51.1 37.8 56.8

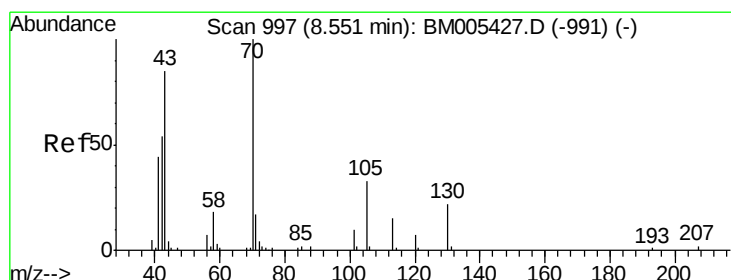
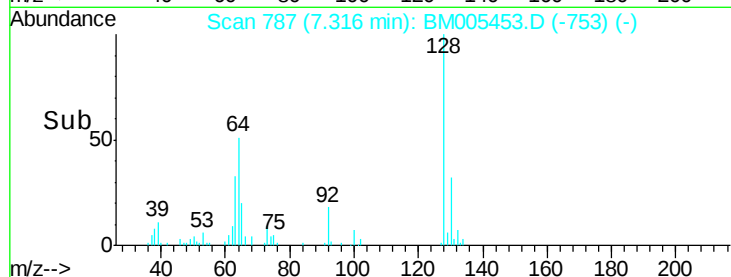
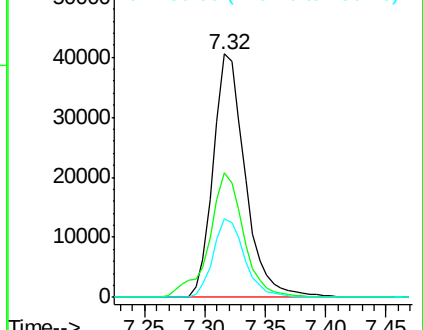
130 32.2 24.9 37.3



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: 31.78 ng/ul

RT: 8.55 min Scan# 996

Delta R.T. -0.01 min

Lab File: BM005453.D

Acq: 14 May 2016 06:58

Tgt Ion: 70 Resp: 80908

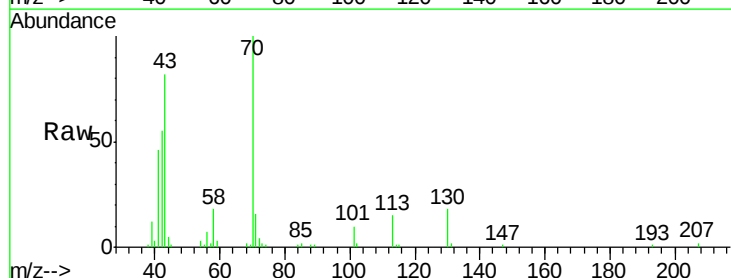
Ion Ratio Lower Upper

70 100

42 54.5 42.8 64.2

101 9.7 7.8 11.6

130 18.5 15.7 23.5

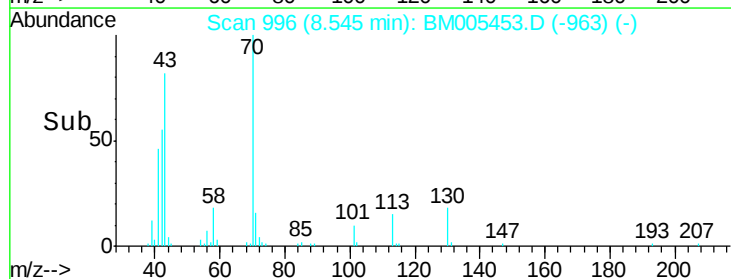
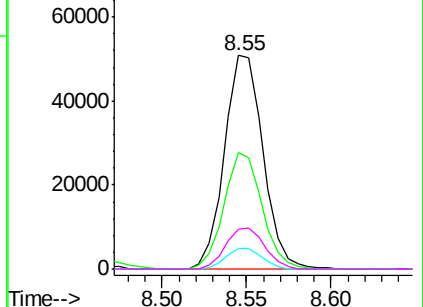


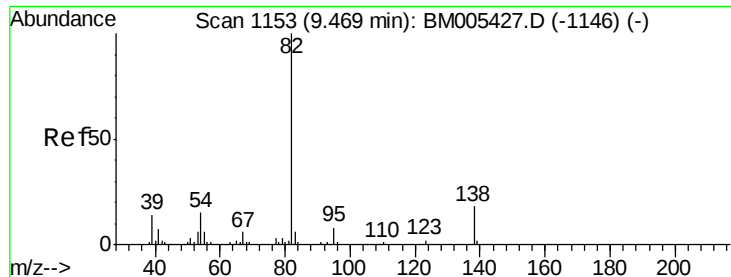
Abundance Ion 70.00 (69.70 to 70.70): BM0

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





#21

Isophorone

Concen: 0.60 ng/ul

RT: 9.63 min Scan# 1180

Delta R.T. 0.16 min

Lab File: BM005453.D

Acq: 14 May 2016 06:58

Instrument :

BNA_M

ClientSampleId :

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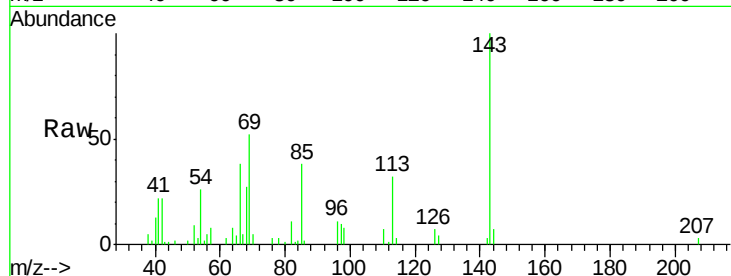
Tgt Ion: 82 Resp: 4285

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

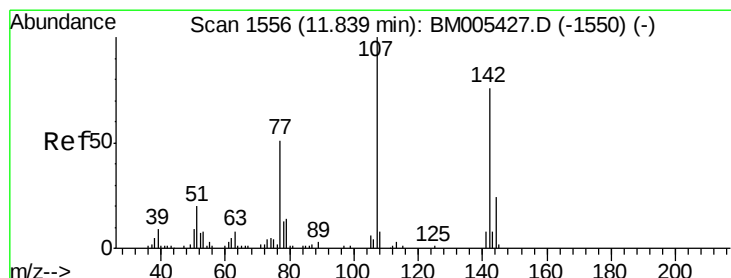
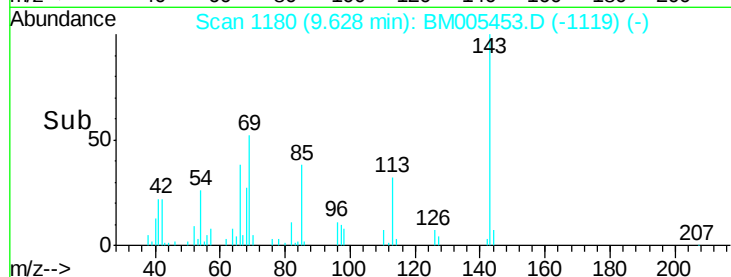
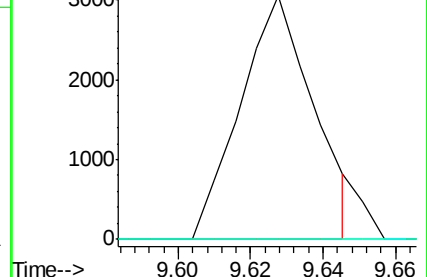
138 0.0 13.4 20.2#



Abundance Ion 82.00 (81.70 to 82.70): BM005427.D (-1146) (-)

Ion 95.00 (94.70 to 95.70): BM005427.D (-1146) (-)

Ion 138.00 (137.70 to 138.70): BM005427.D (-1146) (-)



#33

4-Chloro-3-methylphenol

Concen: 26.67 ng/ul

RT: 11.84 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BM005453.D

Acq: 14 May 2016 06:58

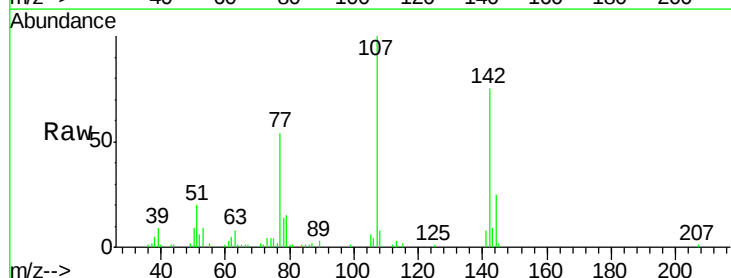
Tgt Ion: 107 Resp: 101938

Ion Ratio Lower Upper

107 100

144 24.8 19.3 28.9

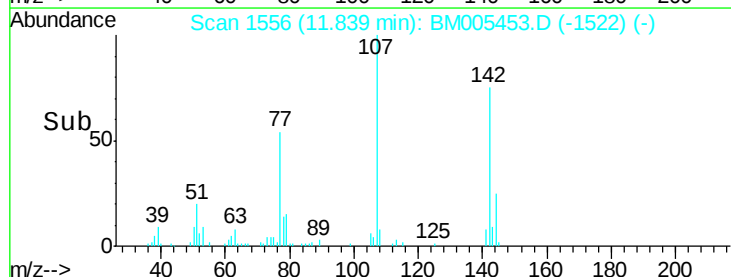
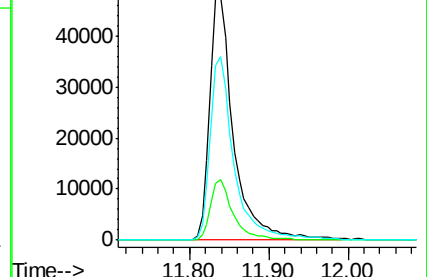
142 75.5 60.8 91.2

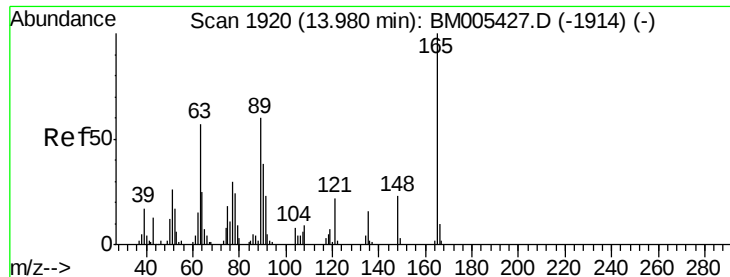


Abundance Ion 107.00 (106.70 to 107.70): BM005427.D (-1550) (-)

Ion 144.00 (143.70 to 144.70): BM005427.D (-1550) (-)

Ion 142.00 (141.70 to 142.70): BM005427.D (-1550) (-)

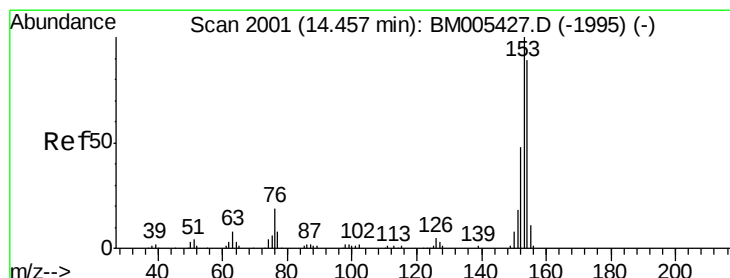
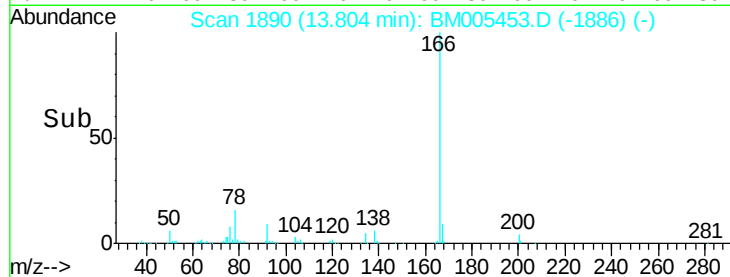
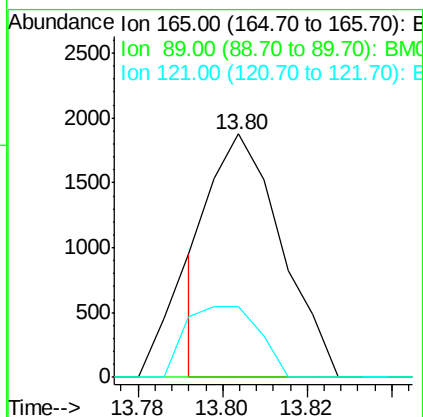
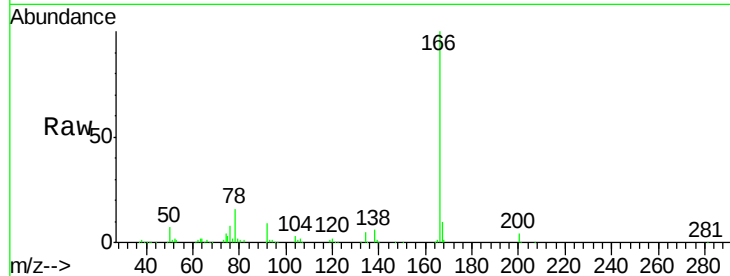




#45
 2,6-Dinitrotoluene
 Concen: 1.00 ng/ul
 RT: 13.80 min Scan# 1890
 Delta R.T. -0.18 min
 Lab File: BM005453.D
 Acq: 14 May 2016 06:58

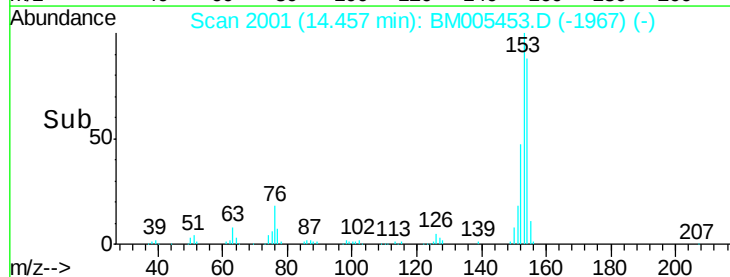
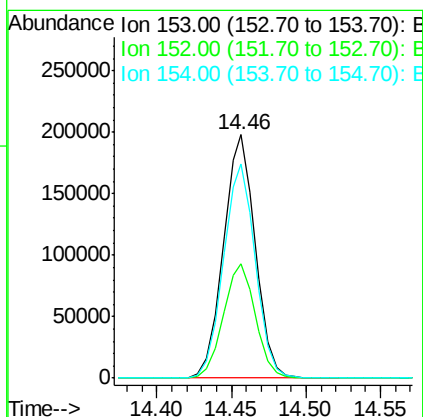
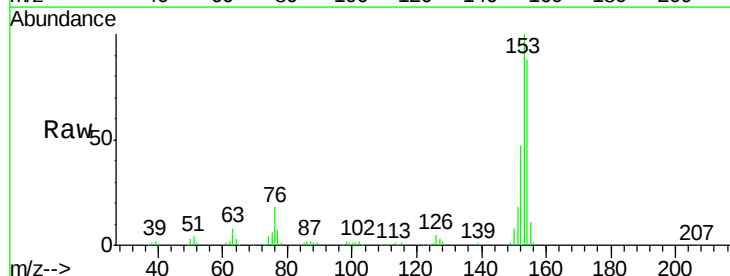
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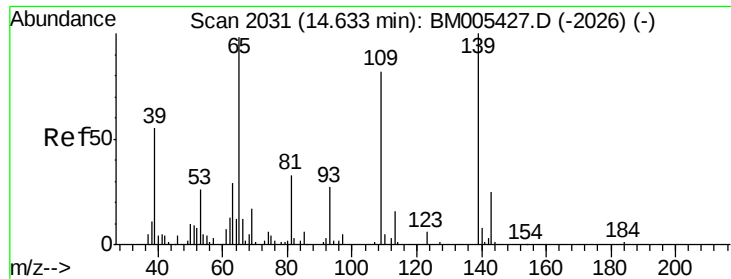
Tgt Ion:165 Resp: 2205
 Ion Ratio Lower Upper
 165 100
 89 0.0 52.2 78.4#
 121 28.9 21.0 31.4



#49
 Acenaphthene
 Concen: 32.32 ng/ul
 RT: 14.46 min Scan# 2001
 Delta R.T. -0.00 min
 Lab File: BM005453.D
 Acq: 14 May 2016 06:58

Tgt Ion:153 Resp: 295135
 Ion Ratio Lower Upper
 153 100
 152 47.2 38.9 58.3
 154 87.8 70.3 105.5

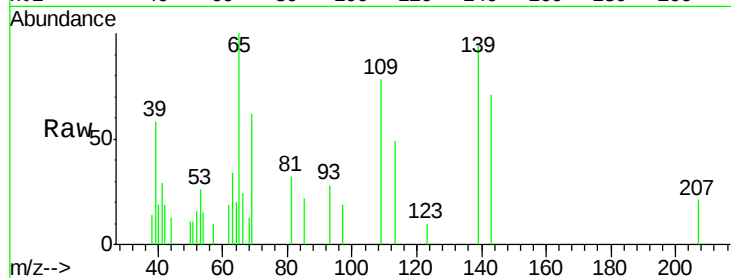




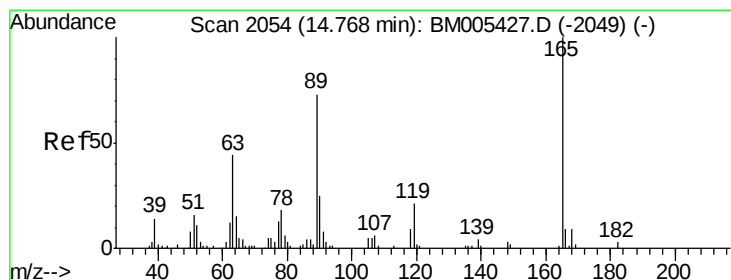
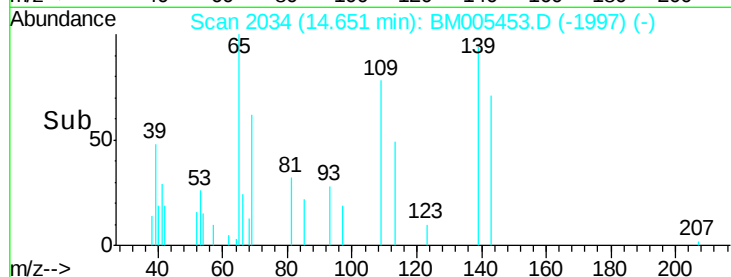
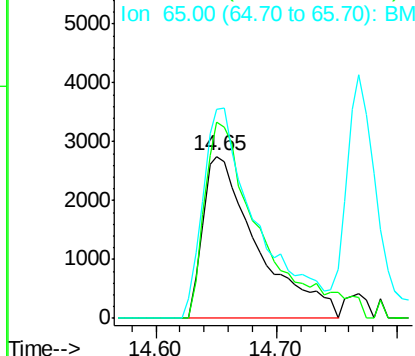
#52
4-Nitrophenol
Concen: 5.07 ng/ul
RT: 14.65 min Scan# 2034
Delta R.T. 0.02 min
Lab File: BM005453.D
Acq: 14 May 2016 06:58

Instrument :
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Tgt Ion:109 Resp: 8595
Ion Ratio Lower Upper
109 100
139 121.2 103.6 155.4
65 128.7 104.7 157.1

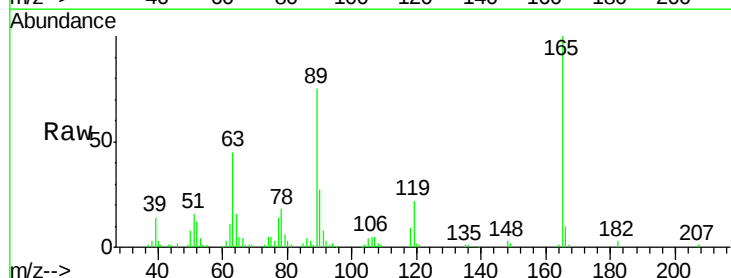


Abundance Ion 109.00 (108.70 to 109.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): BM

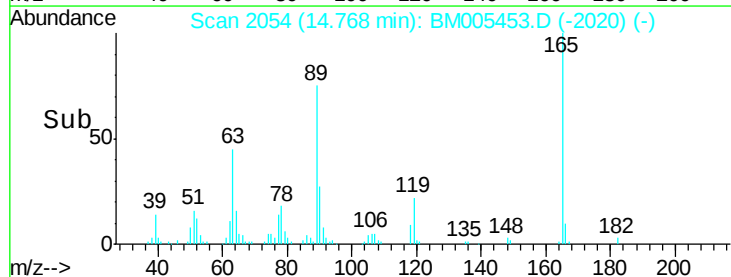
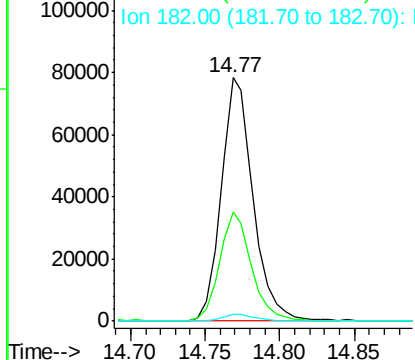


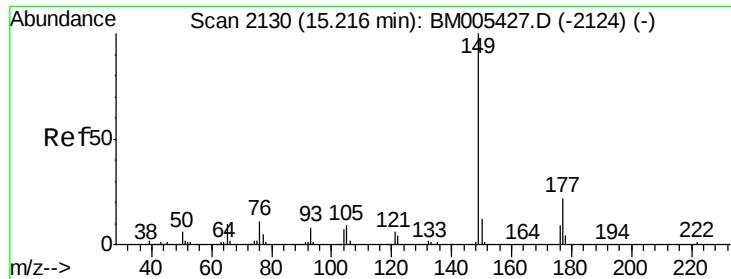
#54
2,4-Dinitrotoluene
Concen: 35.68 ng/ul
RT: 14.77 min Scan# 2054
Delta R.T. -0.00 min
Lab File: BM005453.D
Acq: 14 May 2016 06:58

Tgt Ion:165 Resp: 117093
Ion Ratio Lower Upper
165 100
63 45.0 36.2 54.4
182 3.0 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





#56

Diethylphthalate

Concen: 0.17 ng/ul

RT: 15.22 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BM005453.D

Acq: 14 May 2016 06:58

Instrument :

BNA_M

ClientSampleId :

H4002MSD

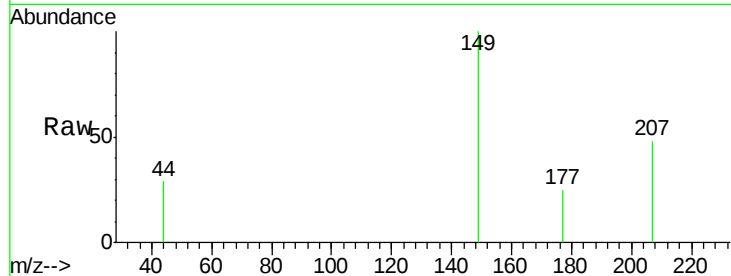
Tgt Ion:149 Resp: 1891

Ion Ratio Lower Upper

149 100

177 24.5 17.6 26.4

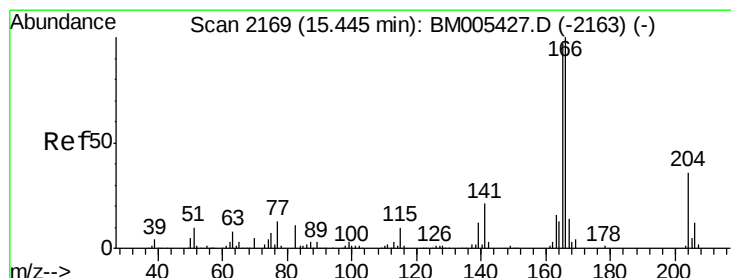
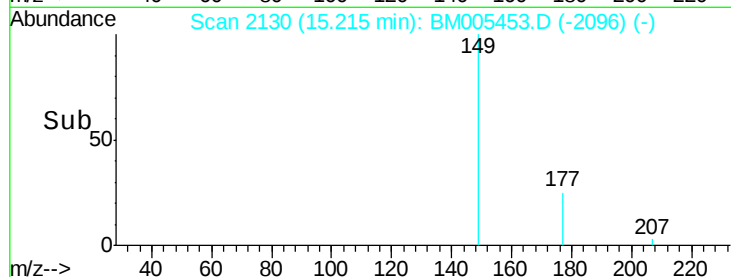
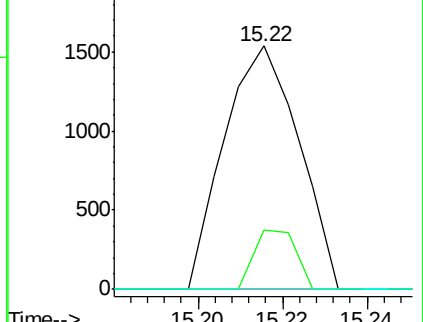
150 0.0 9.8 14.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#58

Fluorene

Concen: 0.04 ng/ul

RT: 15.39 min Scan# 2160

Delta R.T. -0.05 min

Lab File: BM005453.D

Acq: 14 May 2016 06:58

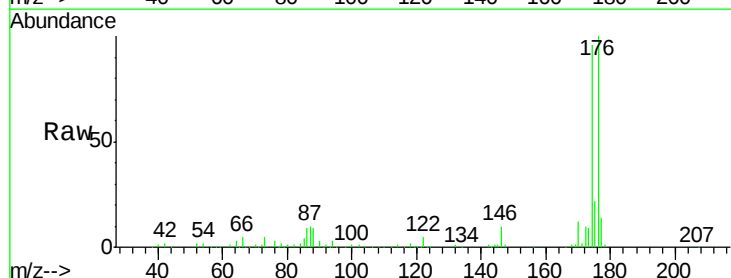
Tgt Ion:166 Resp: 456

Ion Ratio Lower Upper

166 100

165 0.0 77.9 116.9#

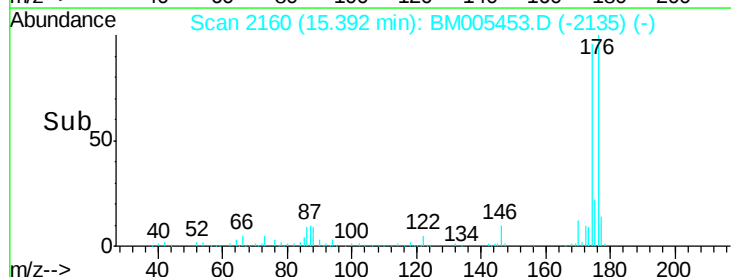
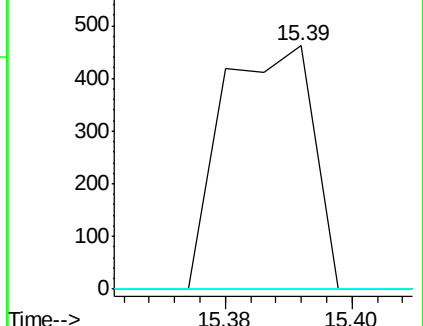
167 0.0 10.6 16.0#

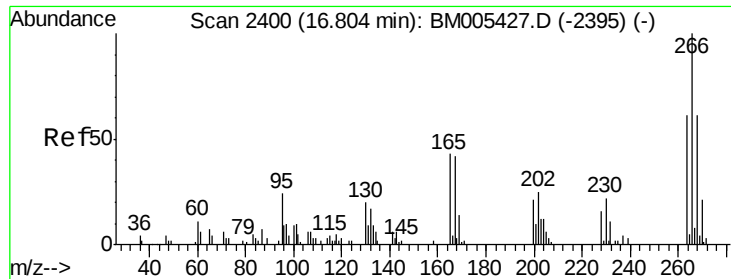


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

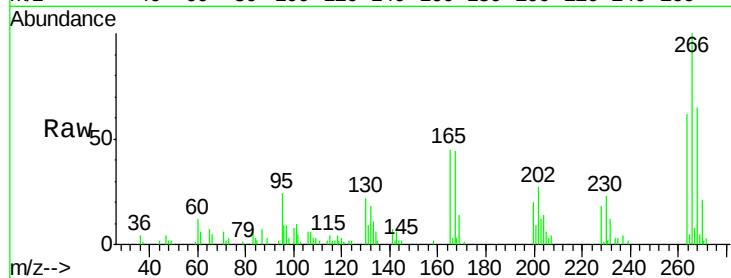




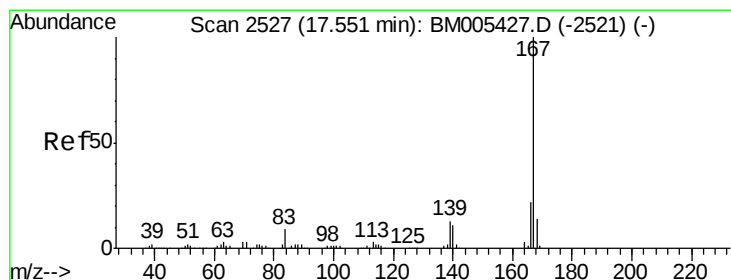
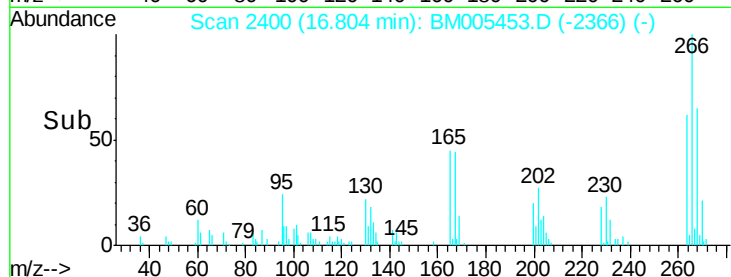
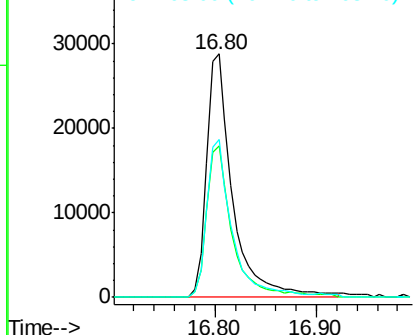
#68
 Pentachlorophenol
 Concen: 23.54 ng/ul
 RT: 16.80 min Scan# 2400
 Delta R.T. -0.00 min
 Lab File: BM005453.D
 Acq: 14 May 2016 06:58

Instrument :
 BNA_M
 ClientSampleId :
 H4002MSD

Tgt Ion:266 Resp: 51388
 Ion Ratio Lower Upper
 266 100
 264 62.1 52.0 78.0
 268 65.0 53.0 79.6

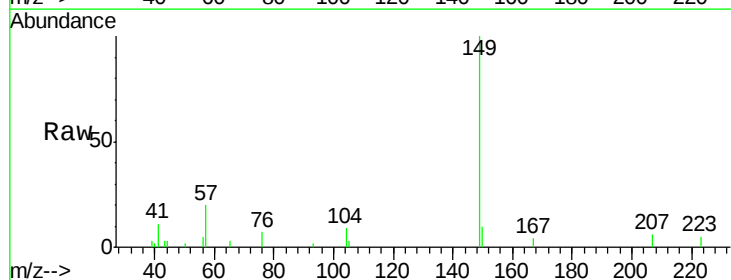


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

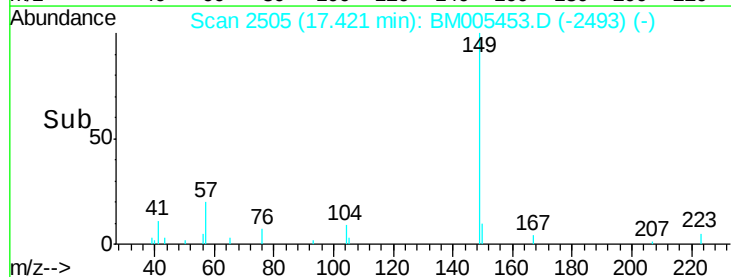
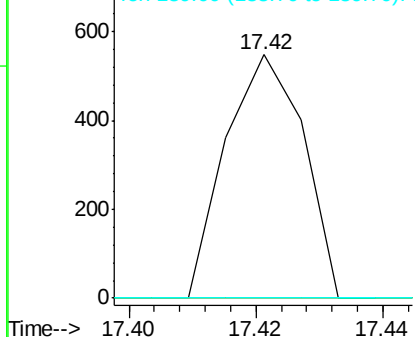


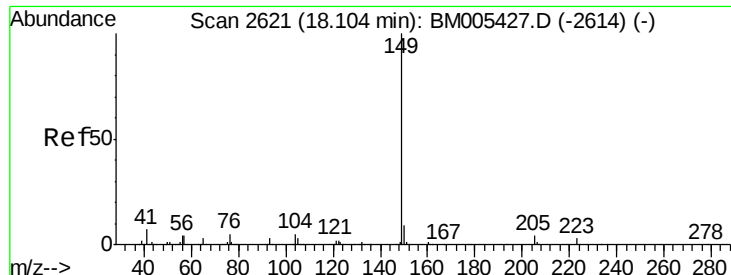
#72
 Carbazole
 Concen: 0.03 ng/ul
 RT: 17.42 min Scan# 2505
 Delta R.T. -0.13 min
 Lab File: BM005453.D
 Acq: 14 May 2016 06:58

Tgt Ion:167 Resp: 462
 Ion Ratio Lower Upper
 167 100
 166 0.0 17.1 25.7#
 139 0.0 10.2 15.2#



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.49 ng/ul

RT: 18.10 min Scan# 2621

Delta R.T. -0.00 min

Lab File: BM005453.D

Acq: 14 May 2016 06:58

Instrument :

BNA_M

ClientSampleId :

H4002MSD

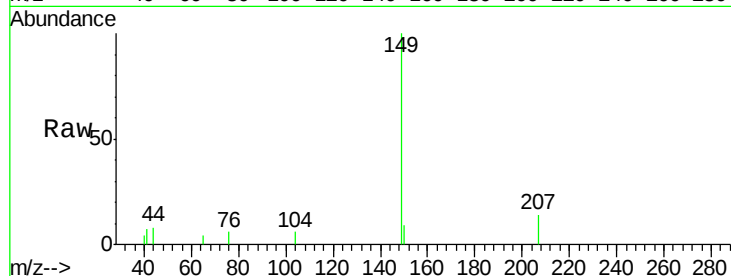
Tgt Ion:149 Resp: 10038

Ion Ratio Lower Upper

149 100

150 8.9 7.3 10.9

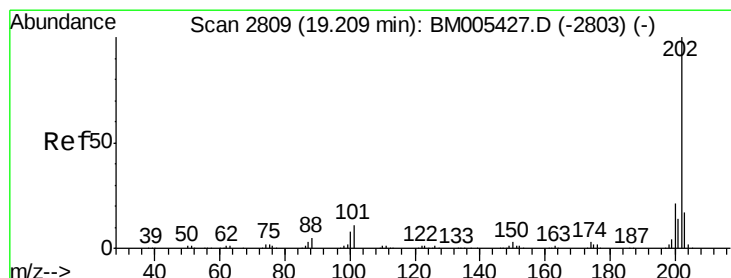
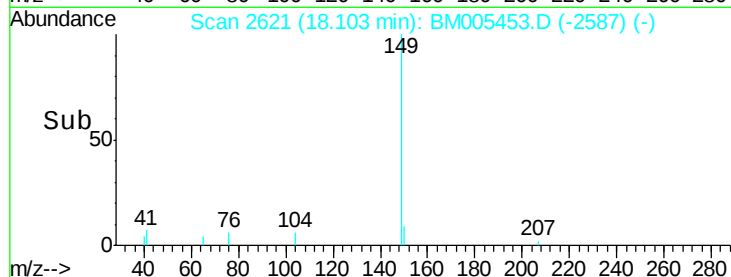
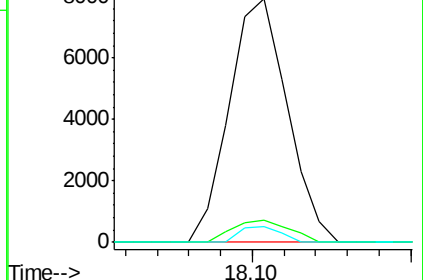
104 6.2 4.1 6.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 0.08 ng/ul

RT: 19.15 min Scan# 2799

Delta R.T. -0.06 min

Lab File: BM005453.D

Acq: 14 May 2016 06:58

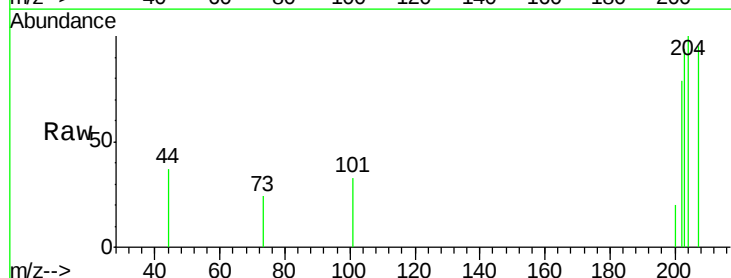
Tgt Ion:202 Resp: 1805

Ion Ratio Lower Upper

202 100

101 41.4 9.2 13.8#

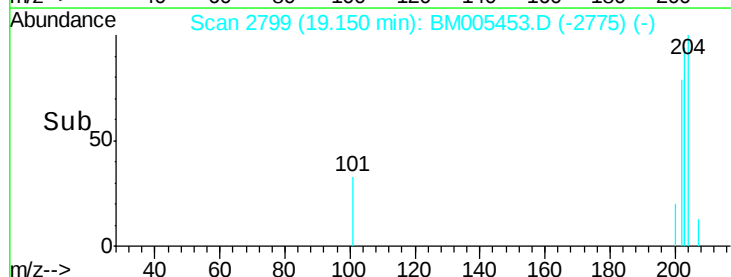
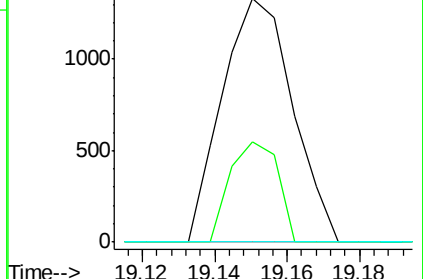
100 0.0 7.1 10.7#

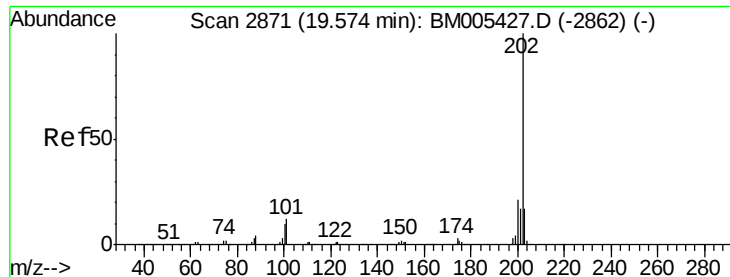


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 29.29 ng/ul

RT: 19.57 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BM005453.D

Acq: 14 May 2016 06:58

Instrument :

BNA_M

ClientSampleId :

H4002MSD

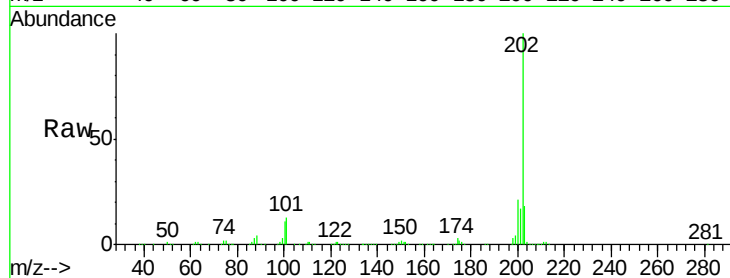
Tgt Ion:202 Resp: 917137

Ion Ratio Lower Upper

202 100

101 12.9 10.8 16.2

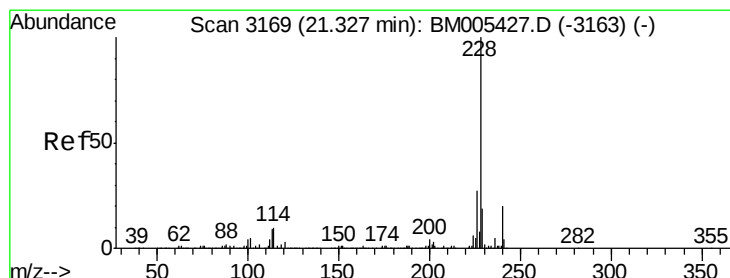
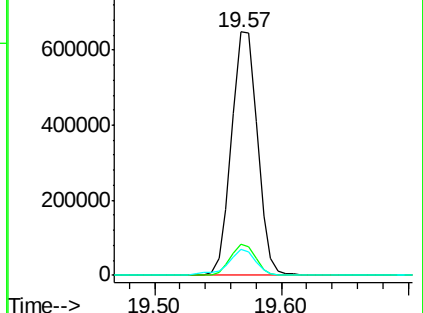
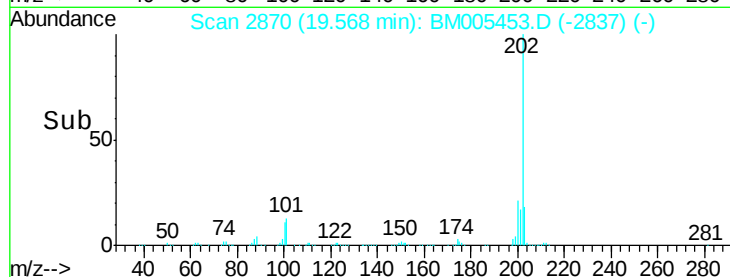
100 10.7 8.4 12.6



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



#80

Benzo(a)anthracene

Concen: 0.03 ng/ul

RT: 21.34 min Scan# 3171

Delta R.T. 0.01 min

Lab File: BM005453.D

Acq: 14 May 2016 06:58

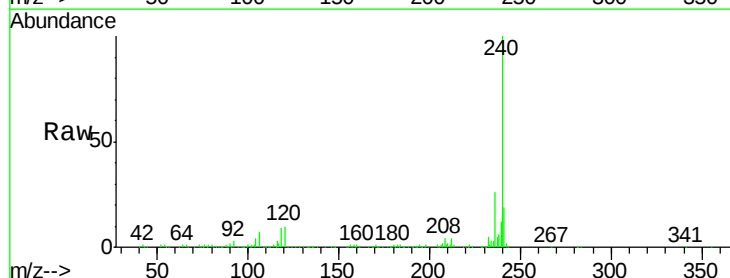
Tgt Ion:228 Resp: 1077

Ion Ratio Lower Upper

228 100

229 31.0 15.5 23.3#

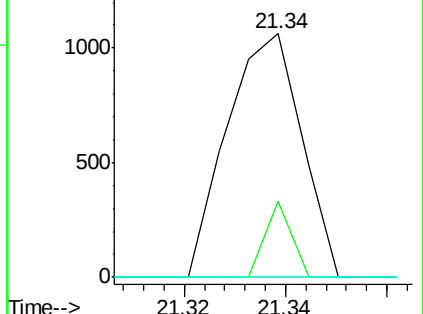
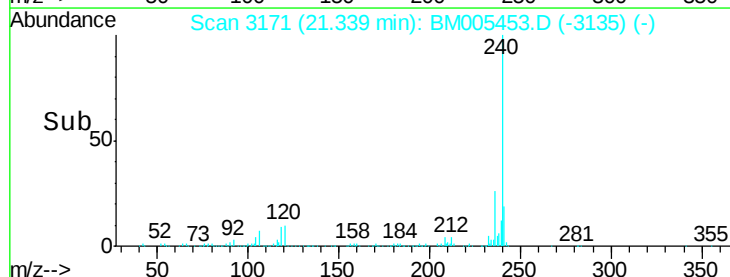
226 0.0 21.8 32.8#

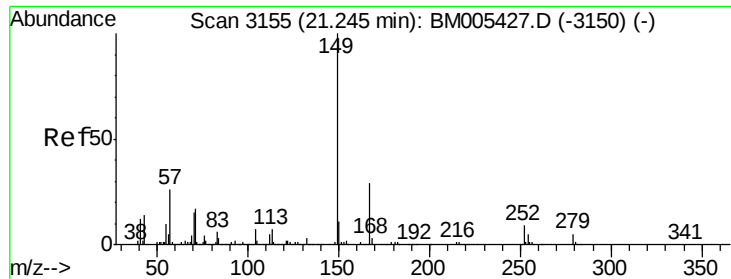


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

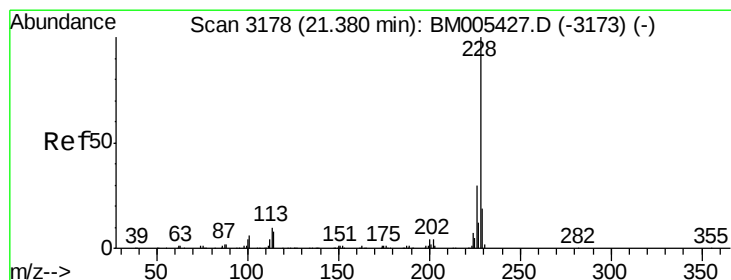
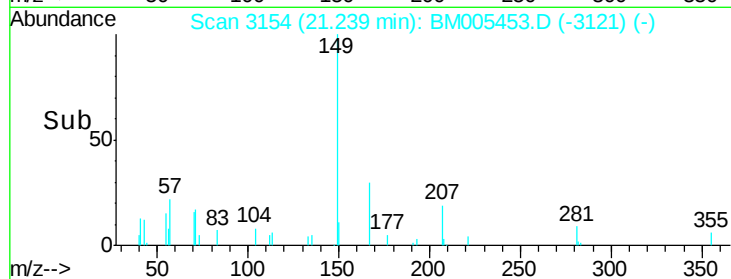
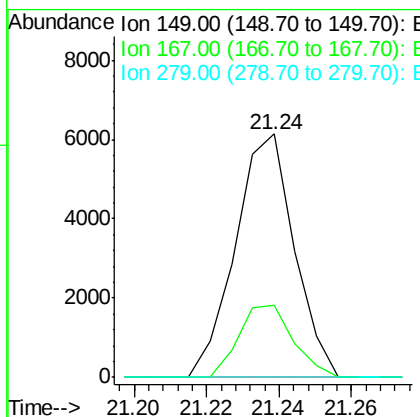
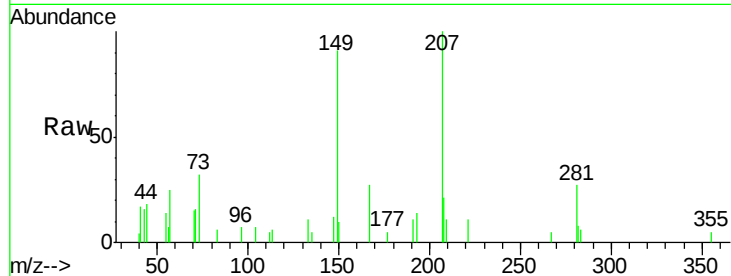




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 0.39 ng/ul
 RT: 21.24 min Scan# 3154
 Delta R.T. -0.01 min
 Lab File: BM005453.D
 Acq: 14 May 2016 06:58

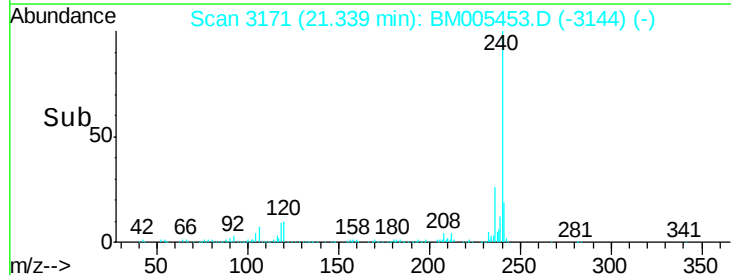
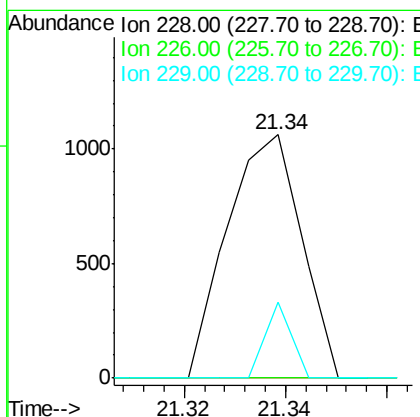
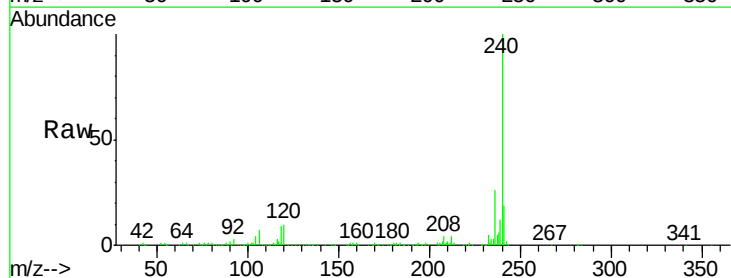
Instrument :
 BNA_M
 ClientSampleId :
 H4002MSD

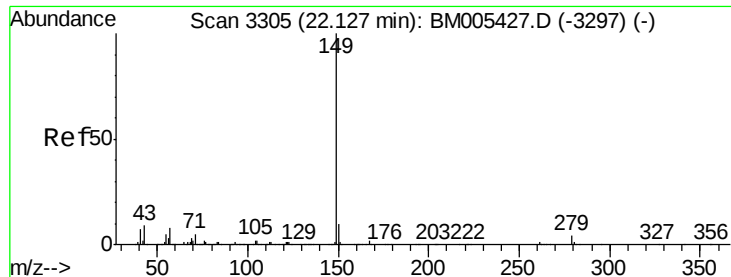
Tgt Ion:149 Resp: 6973
 Ion Ratio Lower Upper
 149 100
 167 29.8 21.9 32.9
 279 0.0 3.0 4.4#



#82
 Chrysene
 Concen: 0.04 ng/ul
 RT: 21.34 min Scan# 3171
 Delta R.T. -0.04 min
 Lab File: BM005453.D
 Acq: 14 May 2016 06:58

Tgt Ion:228 Resp: 1077
 Ion Ratio Lower Upper
 228 100
 226 0.0 23.6 35.4#
 229 31.0 15.4 23.0#

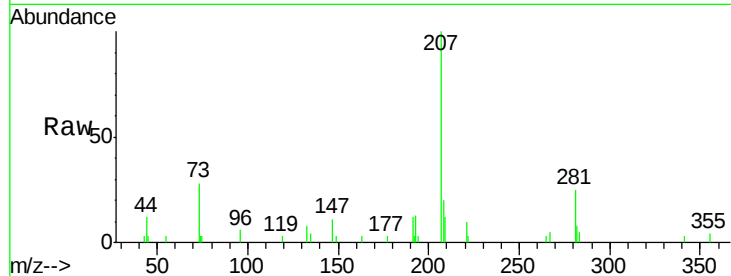




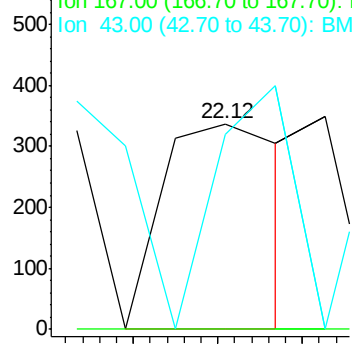
#84
Di-n-octyl phthalate
Concen: 0.01 ng/ul
RT: 22.12 min Scan# 3304
Delta R.T. -0.01 min
Lab File: BM005453.D
Acq: 14 May 2016 06:58

Instrument :
BNA_M
ClientSampleId :
H4002MSD

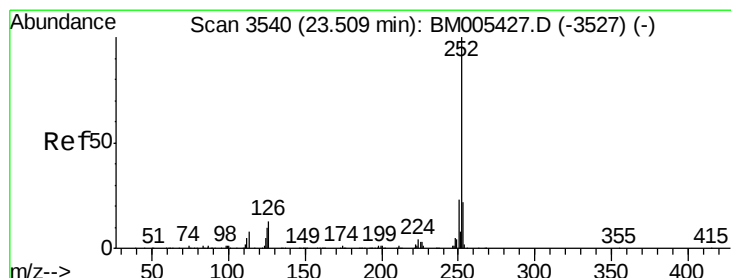
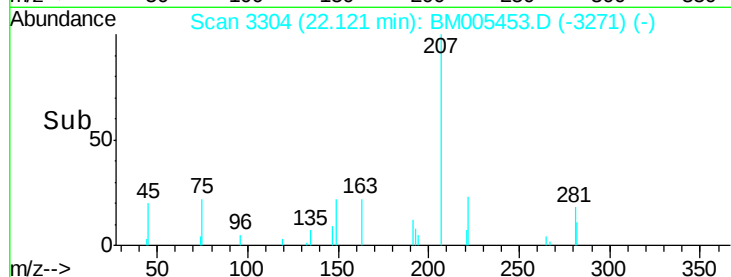
Tgt Ion:149 Resp: 338
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 95.0 7.4 11.0#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BM

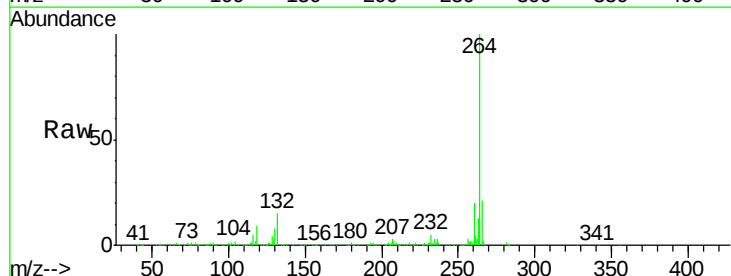


Time-->

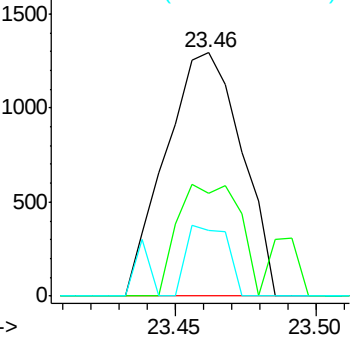


#88
Benzo(a)pyrene
Concen: 0.08 ng/ul
RT: 23.46 min Scan# 3532
Delta R.T. -0.05 min
Lab File: BM005453.D
Acq: 14 May 2016 06:58

Tgt Ion:252 Resp: 2419
Ion Ratio Lower Upper
252 100
253 42.0 17.5 26.3#
125 26.9 8.7 13.1#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->

