

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051316\
 Data File : BM005452.D
 Acq On : 14 May 2016 06:21
 Operator : UM/SJ
 Sample : H2834-02MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H4002MS

Quant Time: May 16 03:39:32 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	56135	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	261561	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.39	164	169167	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	411145	20.00	ng/ul	0.00
75) Chrysene-d12	21.33	240	570201	20.00	ng/ul	0.00
83) Perylene-d12	23.60	264	566295	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	1504	1.26	ng/uL	0.00
5) Phenol-d5	6.93	99	29335	5.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.09	67	79841	27.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.29	132	86476	22.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.46	113	54253	12.89	ng/ul	0.00
19) Nitrobenzene-d5	8.91	128	54532	29.20	ng/ul	0.00
22) 2-Nitrophenol-d4	9.63	143	61154	28.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.17	165	100469	25.57	ng/ul	0.00
29) 4-Chloroaniline-d4	10.71	131	8692	1.84	ng/ul	0.03
43) Dimethylphthalate-d6	13.80	166	401936	29.64	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	469919	29.55	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	9517	3.84	ng/ul	0.02
57) Fluorene-d10	15.39	176	345481	29.51	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	54354	23.50	ng/ul	0.00
70) Anthracene-d10	17.24	188	571164	31.43	ng/ul	0.00
76) Pyrene-d10	19.54	212	720107	27.36	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.46	264	779805	31.11	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	6.96	94	33172	6.30	ng/ul	97
8) Bis(2-Chloroethyl)ether	7.18	93	116	0.03	ng/ul#	21
10) 2-Chlorophenol	7.32	128	88910	22.60	ng/ul	95
15) N-Nitroso-di-n-propylamine	8.55	70	97977	30.08	ng/ul	98
21) Isophorone	9.63	82	5140	0.57	ng/ul#	67
33) 4-Chloro-3-methylphenol	11.84	107	117083	24.26	ng/ul	100
45) 2,6-Dinitrotoluene	13.80	165	2728	1.02	ng/ul#	41
49) Acenaphthene	14.46	153	333704	30.09	ng/ul	98
52) 4-Nitrophenol	14.66	109	7408	3.60	ng/ul	95
54) 2,4-Dinitrotoluene	14.77	165	127484	32.00	ng/ul	99
56) Diethylphthalate	15.22	149	2185	0.16	ng/ul#	81
58) Fluorene	15.39	166	628	0.05	ng/ul#	9
64) N-Nitrosodiphenylamine	15.53	169	223	0.02	ng/ul#	25
68) Pentachlorophenol	16.80	266	52638	21.43	ng/ul	99
72) Carbazole	17.42	167	447	0.02	ng/ul#	60
73) Di-n-butylphthalate	18.10	149	11376	0.49	ng/ul	99
74) Fluoranthene	19.15	202	1998	0.08	ng/ul#	53
77) Pyrene	19.57	202	926016	28.00	ng/ul	97
80) Benzo(a)anthracene	21.34	228	1420	0.04	ng/ul#	52
81) Bis(2-ethylhexyl)phthalate	21.23	149	7217	0.38	ng/ul#	99
82) Chrysene	21.34	228	1420	0.05	ng/ul#	50
84) Di-n-octyl phthalate	22.14	149	370	0.01	ng/ul#	1
88) Benzo(a)pyrene	23.46	252	2406	0.08	ng/ul#	75

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051316\
Data File : BM005452.D
Acq On : 14 May 2016 06:21
Operator : UM/SJ
Sample : H2834-02MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
H4002MS

Quant Time: May 16 03:39:32 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

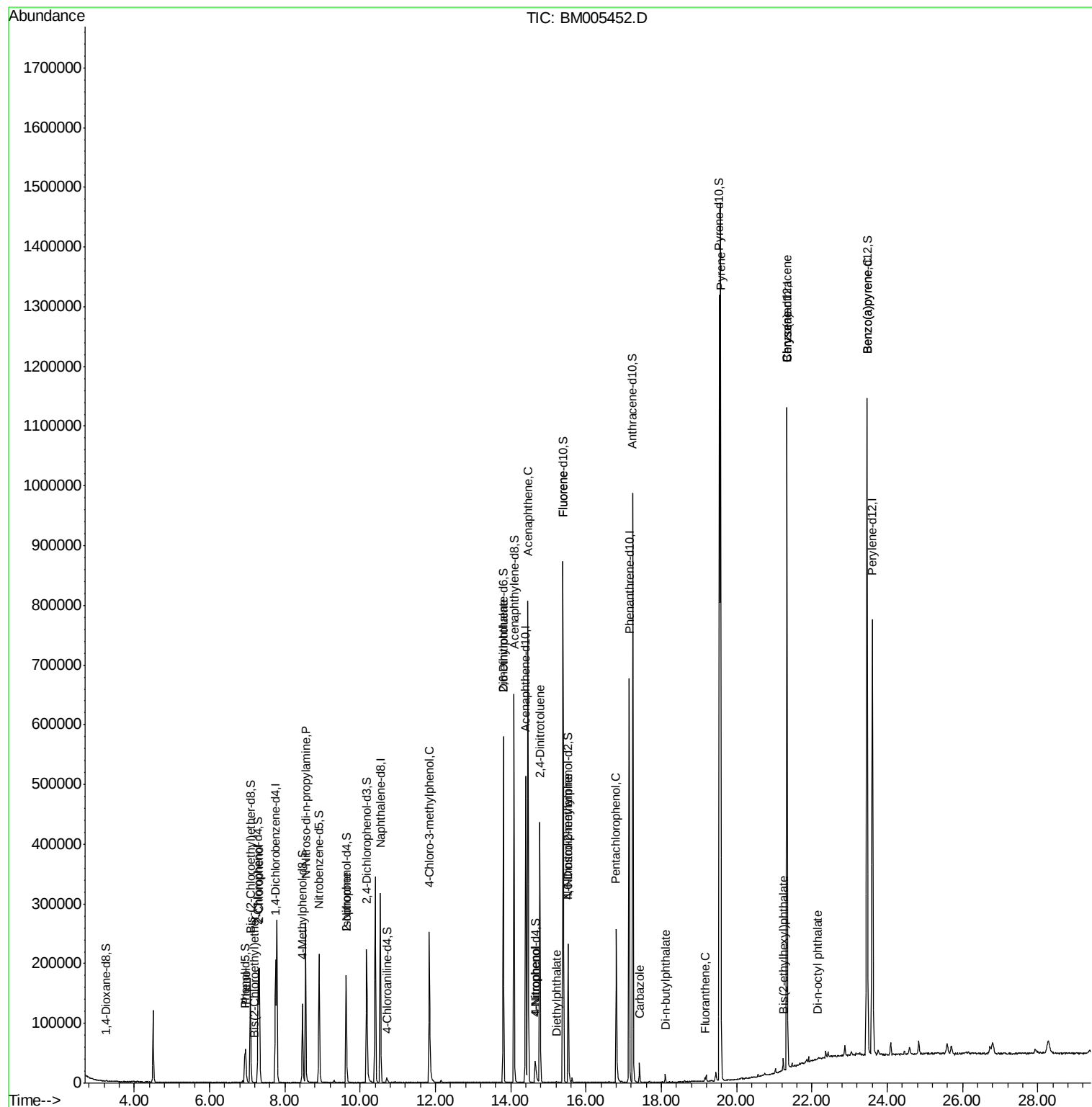
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

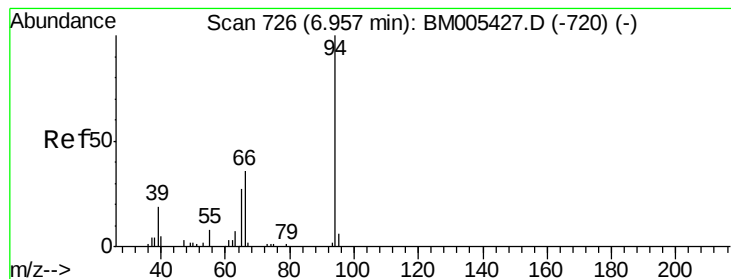
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051316\
Data File : BM005452.D
Acq On : 14 May 2016 06:21
Operator : UM/SJ
Sample : H2834-02MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
H4002MS

Quant Time: May 16 03:39:32 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





#6

Phenol

Concen: 6.30 ng/ul

RT: 6.96 min Scan# 726

Delta R.T. -0.00 min

Lab File: BM005452.D

Acq: 14 May 2016 06:21

Instrument :

BNA_M

ClientSampleId :

H4002MS

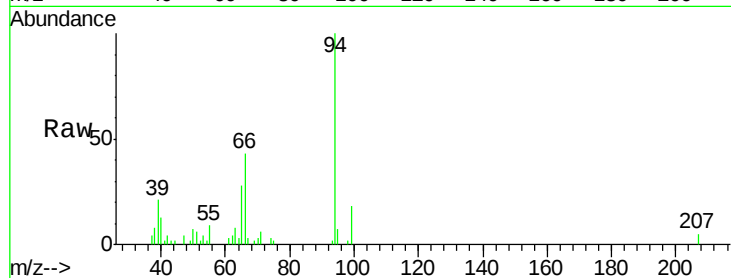
Tgt Ion: 94 Resp: 33172

Ion Ratio Lower Upper

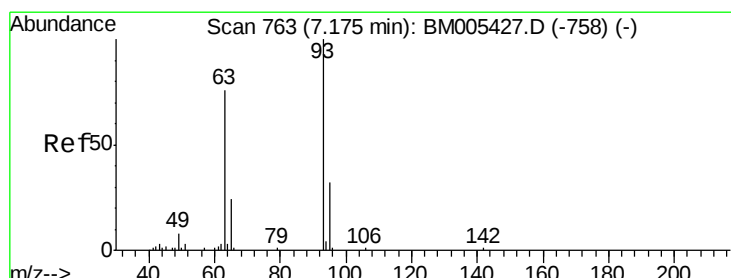
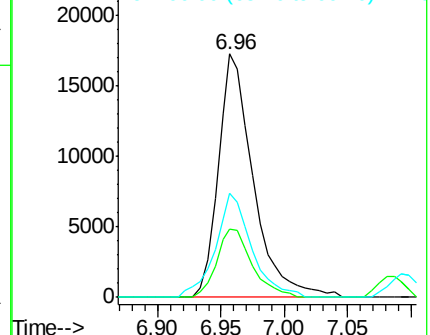
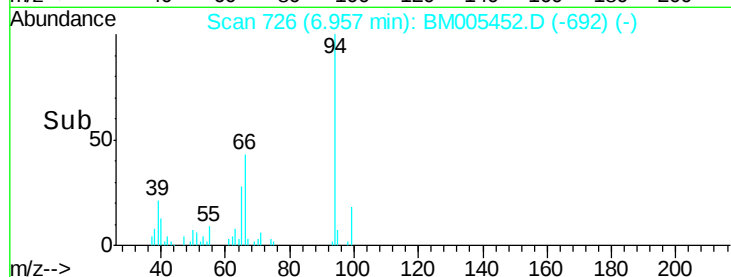
94 100

65 28.1 22.7 34.1

66 42.8 31.7 47.5



Abundance Ion 94.00 (93.70 to 94.70): BM005452.D (-692) (-)



#8

Bis(2-Chloroethyl)ether

Concen: 0.03 ng/ul

RT: 7.18 min Scan# 764

Delta R.T. 0.01 min

Lab File: BM005452.D

Acq: 14 May 2016 06:21

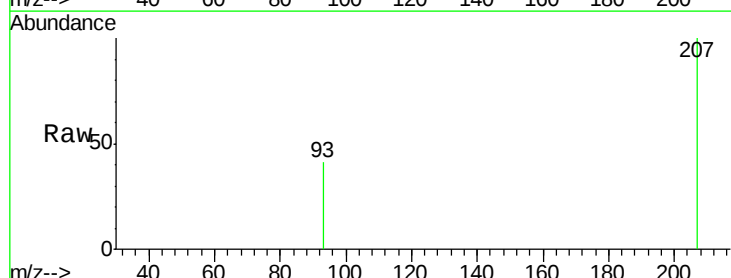
Tgt Ion: 93 Resp: 116

Ion Ratio Lower Upper

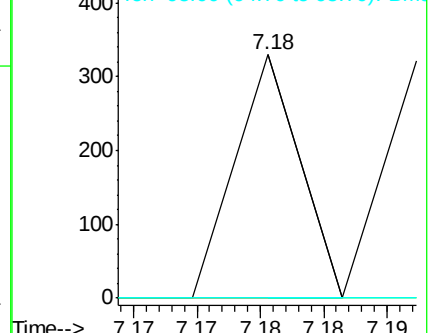
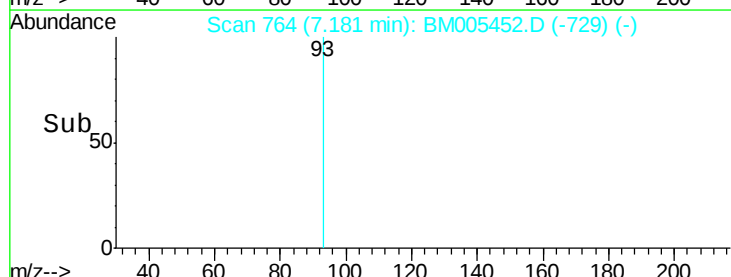
93 100

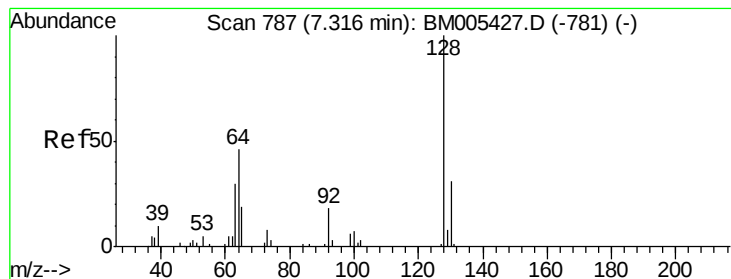
63 0.0 60.6 90.8#

95 0.0 24.2 36.4#



Abundance Ion 93.00 (92.70 to 93.70): BM005452.D (-729) (-)





#10

2-Chlorophenol

Concen: 22.60 ng/ul

RT: 7.32 min Scan# 787

Delta R.T. -0.00 min

Lab File: BM005452.D

Acq: 14 May 2016 06:21

Instrument :

BNA_M

ClientSampleId :

H4002MS

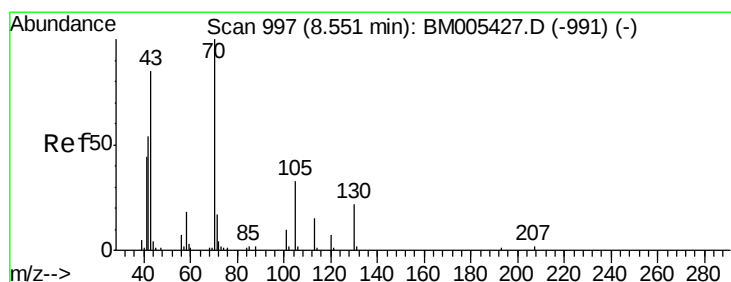
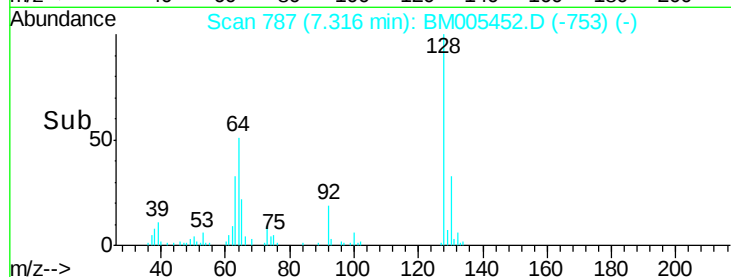
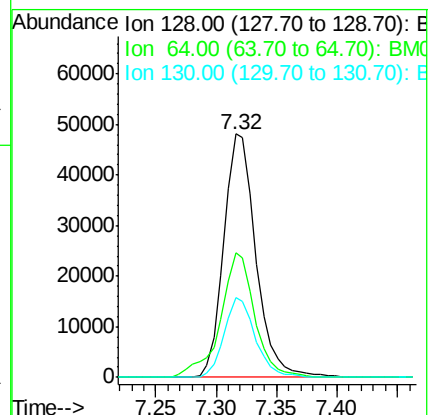
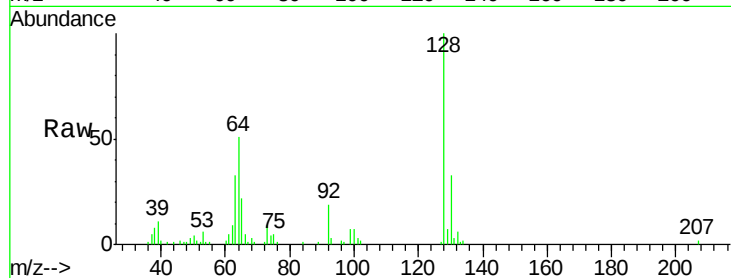
Tgt Ion:128 Resp: 88910

Ion Ratio Lower Upper

128 100

64 51.2 37.8 56.8

130 32.7 24.9 37.3



#15

N-Nitroso-di-n-propylamine

Concen: 30.08 ng/ul

RT: 8.55 min Scan# 997

Delta R.T. -0.00 min

Lab File: BM005452.D

Acq: 14 May 2016 06:21

Tgt Ion: 70 Resp: 97977

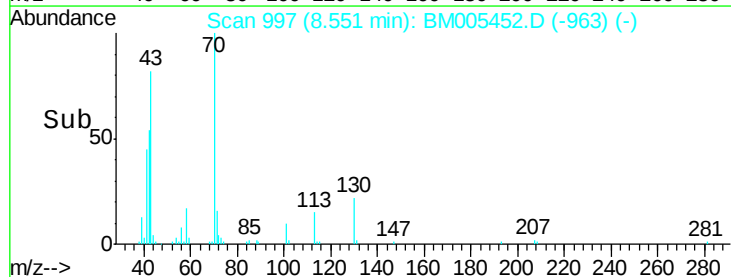
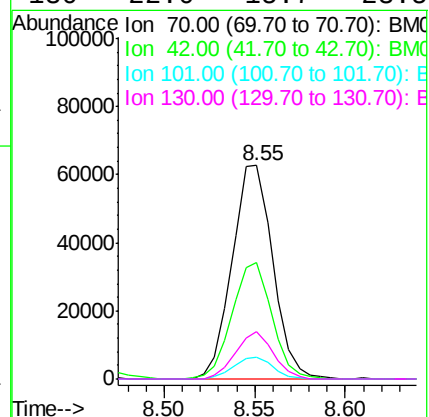
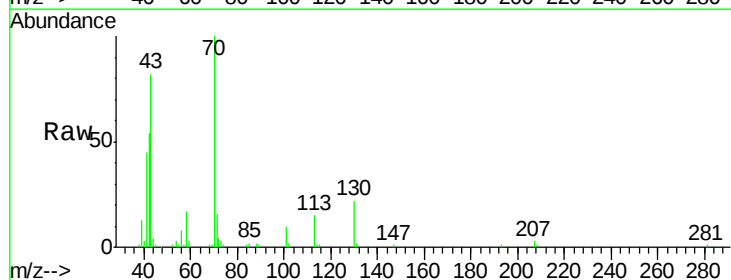
Ion Ratio Lower Upper

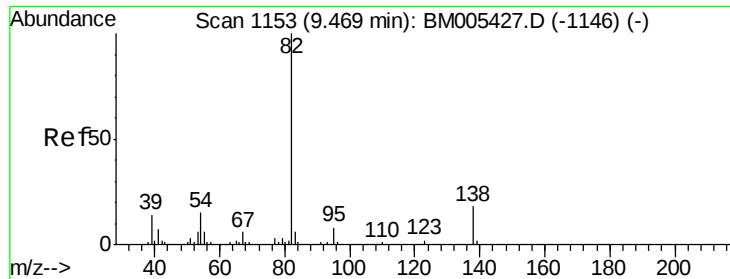
70 100

42 54.4 42.8 64.2

101 10.5 7.8 11.6

130 22.0 15.7 23.5

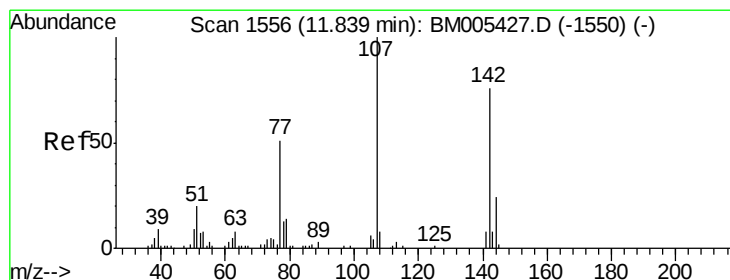
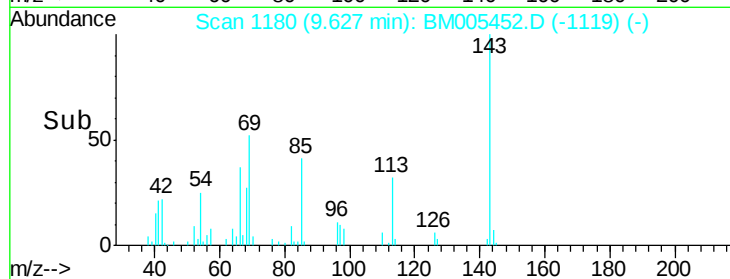
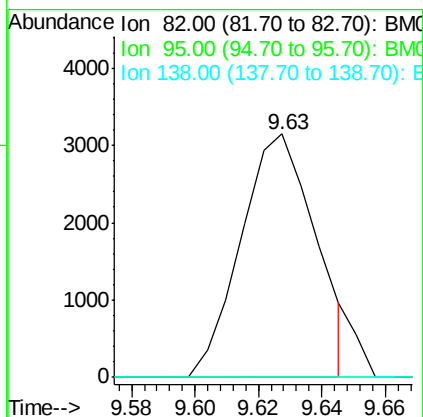
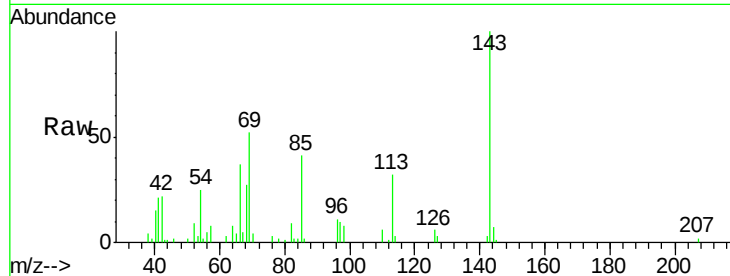




#21
Isophorone
Concen: 0.57 ng/ul
RT: 9.63 min Scan# 1180
Delta R.T. 0.16 min
Lab File: BM005452.D
Acq: 14 May 2016 06:21

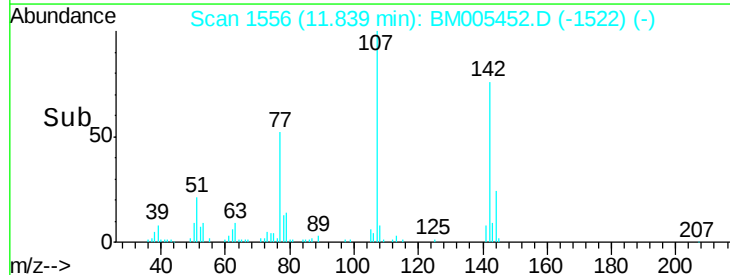
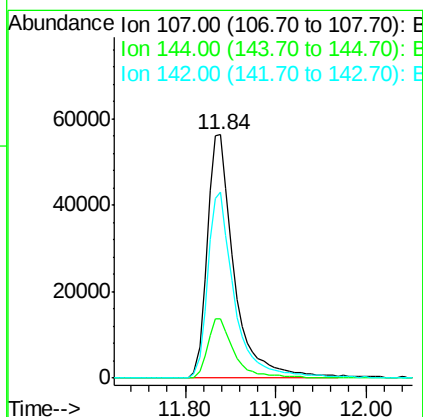
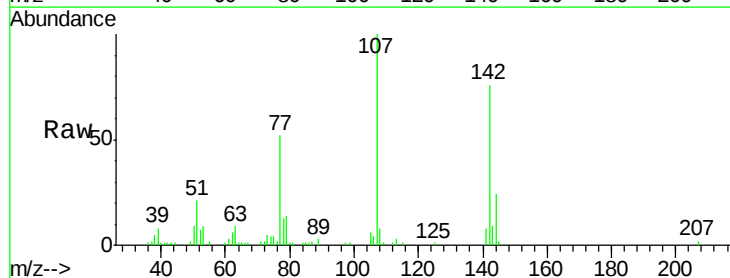
Instrument :
BNA_M
ClientSampleId :
H4002MS

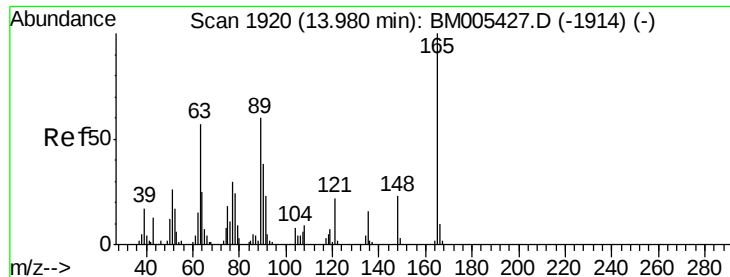
Tgt Ion: 82 Resp: 5140
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.2#



#33
4-Chloro-3-methylphenol
Concen: 24.26 ng/ul
RT: 11.84 min Scan# 1556
Delta R.T. -0.00 min
Lab File: BM005452.D
Acq: 14 May 2016 06:21

Tgt Ion: 107 Resp: 117083
Ion Ratio Lower Upper
107 100
144 24.5 19.3 28.9
142 76.3 60.8 91.2

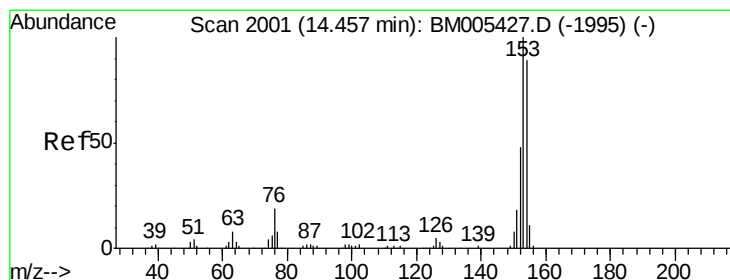
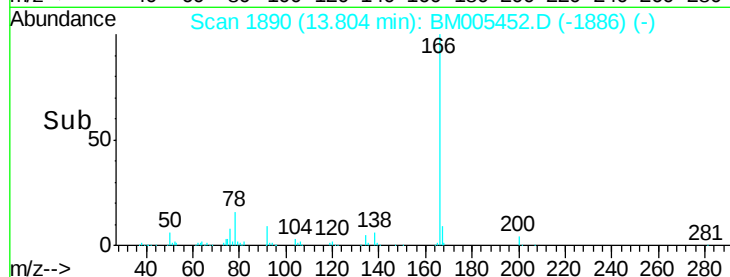
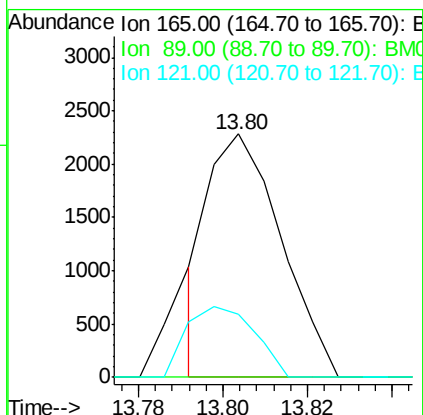
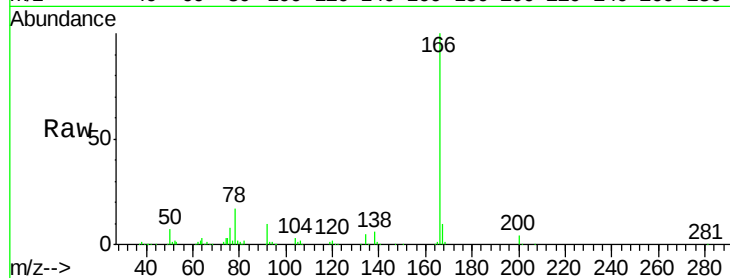




#45
 2,6-Dinitrotoluene
 Concen: 1.02 ng/ul
 RT: 13.80 min Scan# 1890
 Delta R.T. -0.18 min
 Lab File: BM005452.D
 Acq: 14 May 2016 06:21

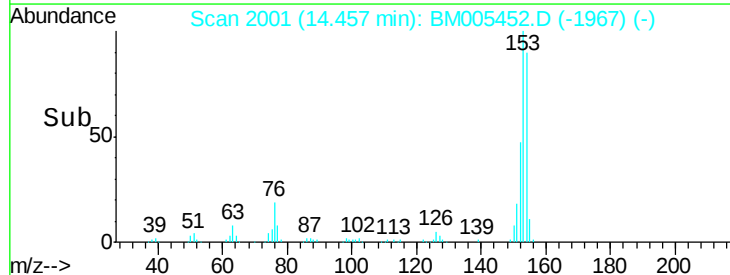
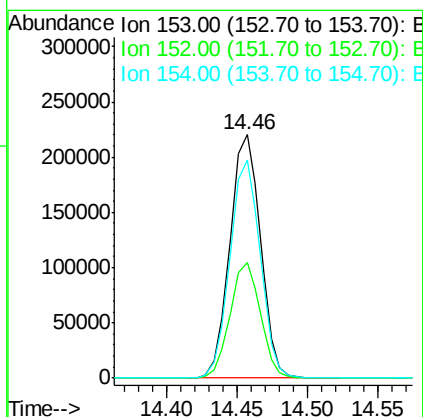
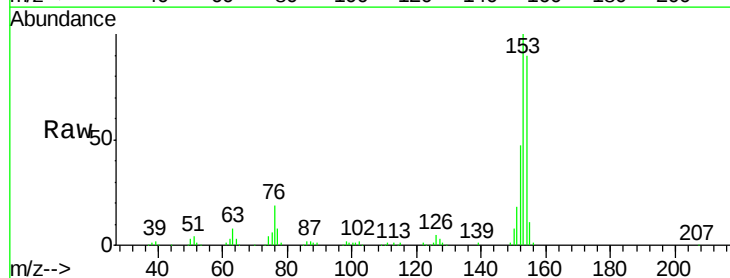
Instrument :
 BNA_M
 ClientSampleId :
 H4002MS

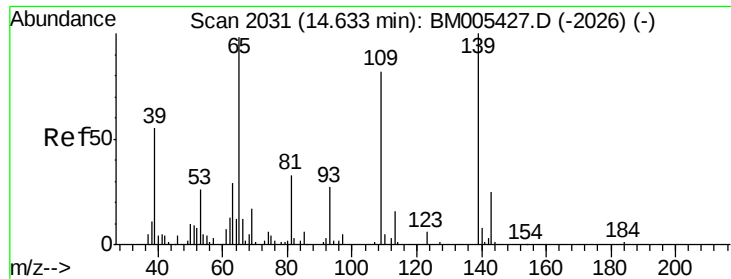
Tgt Ion:165 Resp: 2728
 Ion Ratio Lower Upper
 165 100
 89 0.0 52.2 78.4#
 121 26.1 21.0 31.4



#49
 Acenaphthene
 Concen: 30.09 ng/ul
 RT: 14.46 min Scan# 2001
 Delta R.T. -0.00 min
 Lab File: BM005452.D
 Acq: 14 May 2016 06:21

Tgt Ion:153 Resp: 333704
 Ion Ratio Lower Upper
 153 100
 152 47.3 38.9 58.3
 154 89.7 70.3 105.5

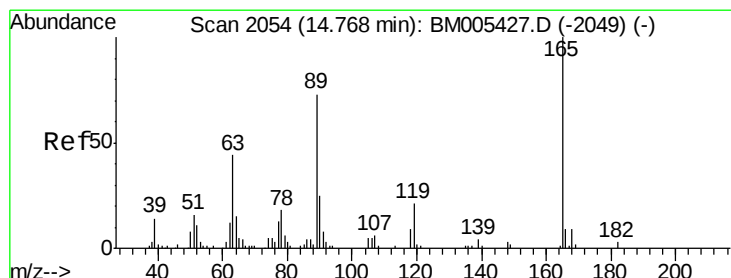
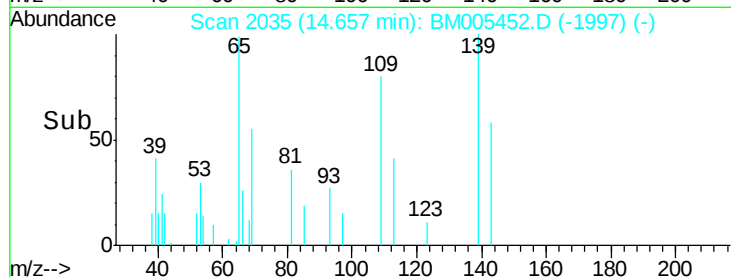
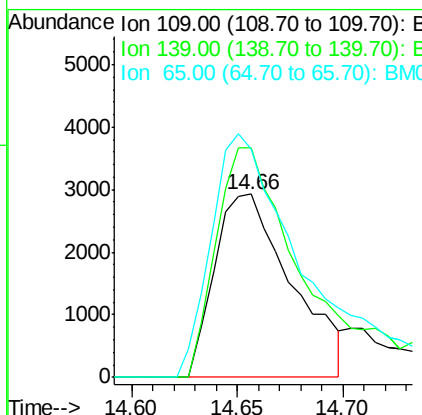
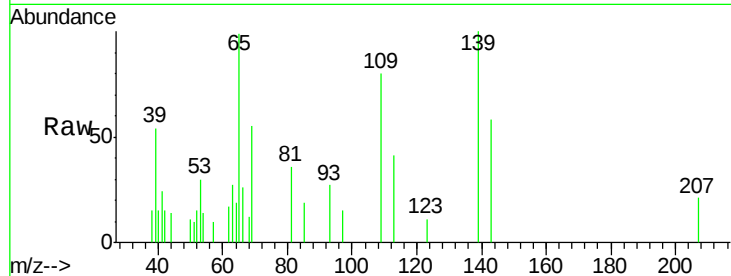




#52
4-Nitrophenol
Concen: 3.60 ng/ul
RT: 14.66 min Scan# 2035
Delta R.T. 0.02 min
Lab File: BM005452.D
Acq: 14 May 2016 06:21

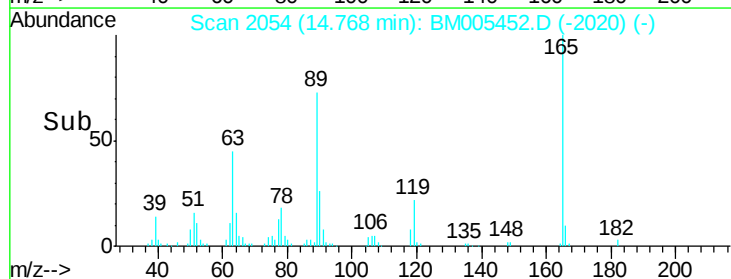
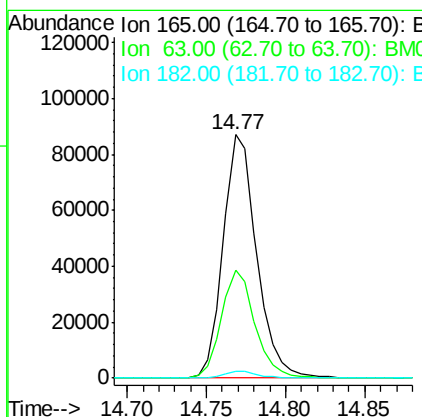
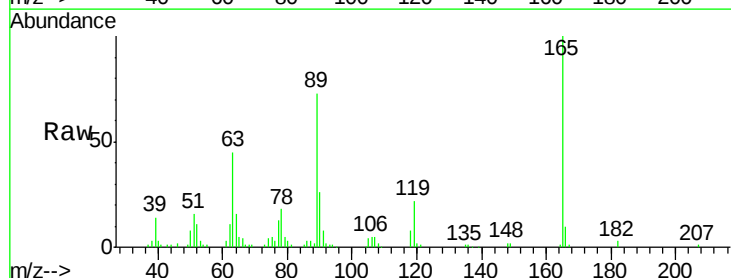
Instrument :
BNA_M
ClientSampleId :
H4002MS

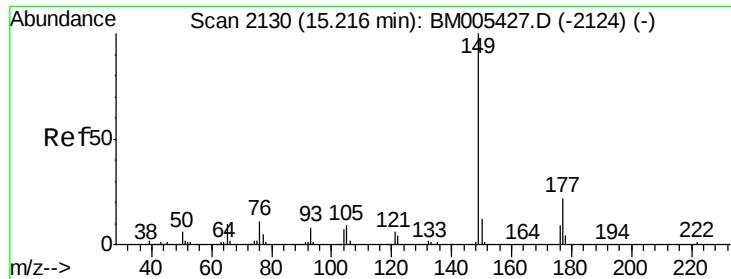
Tgt Ion:109 Resp: 7408
Ion Ratio Lower Upper
109 100
139 125.3 103.6 155.4
65 124.4 104.7 157.1



#54
2,4-Dinitrotoluene
Concen: 32.00 ng/ul
RT: 14.77 min Scan# 2054
Delta R.T. -0.00 min
Lab File: BM005452.D
Acq: 14 May 2016 06:21

Tgt Ion:165 Resp: 127484
Ion Ratio Lower Upper
165 100
63 44.5 36.2 54.4
182 3.0 2.5 3.7

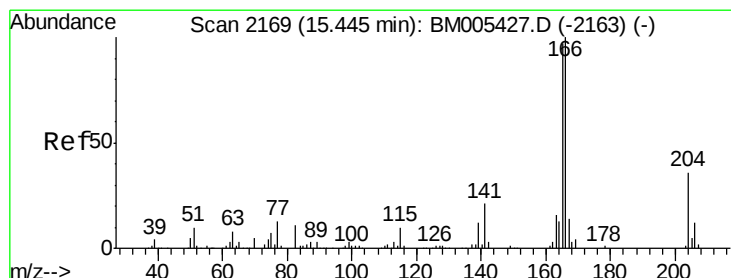
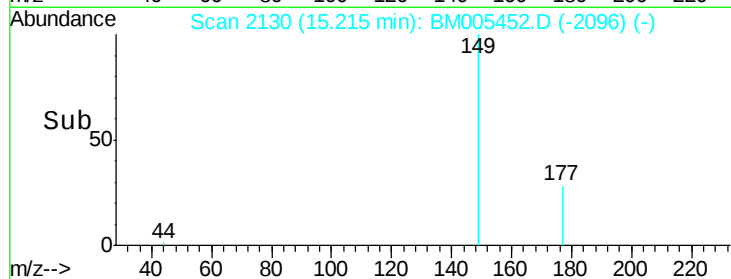
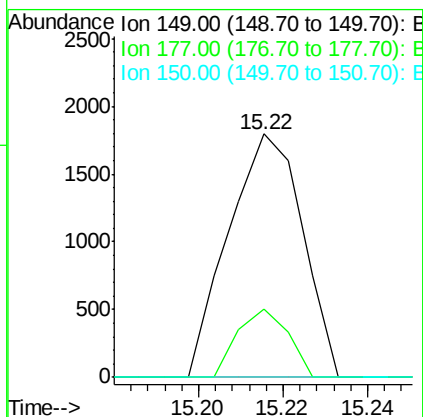
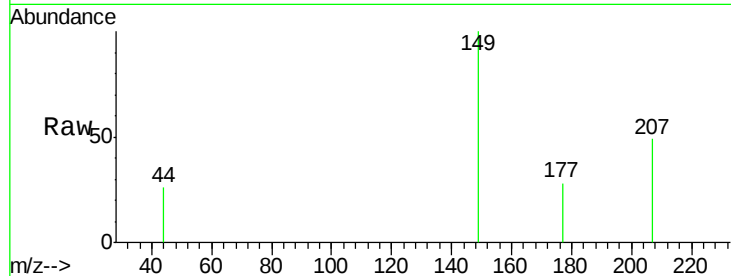




#56
Diethylphthalate
Concen: 0.16 ng/ul
RT: 15.22 min Scan# 2130
Delta R.T. -0.00 min
Lab File: BM005452.D
Acq: 14 May 2016 06:21

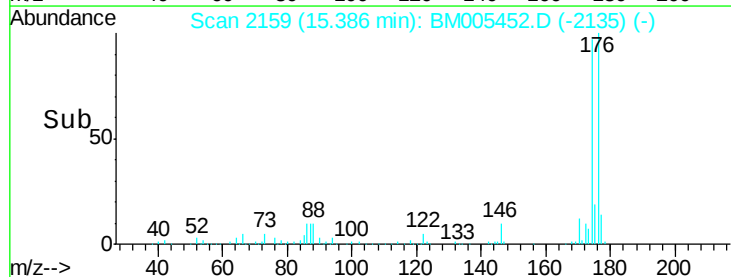
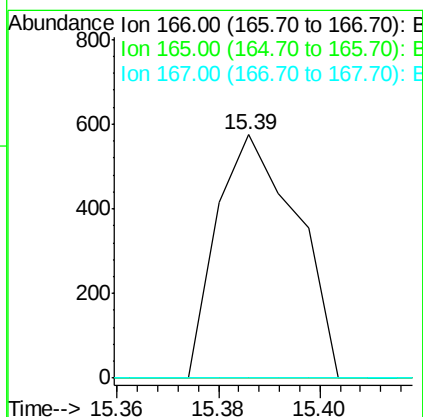
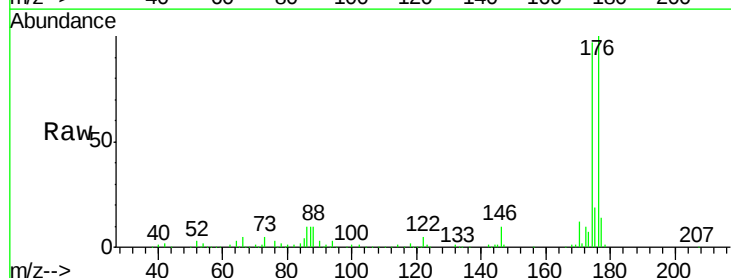
Instrument :
BNA_M
ClientSampleId :
H4002MS

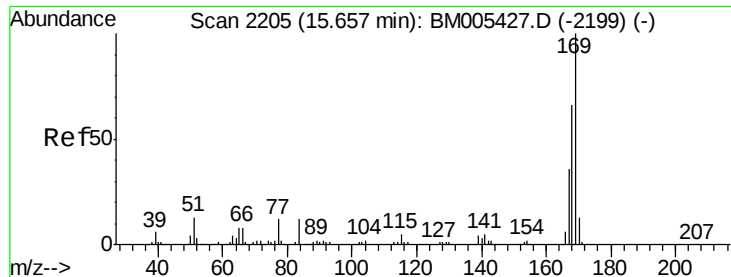
Tgt Ion:149 Resp: 2185
Ion Ratio Lower Upper
149 100
177 27.8 17.6 26.4#
150 0.0 9.8 14.8#



#58
Fluorene
Concen: 0.05 ng/ul
RT: 15.39 min Scan# 2159
Delta R.T. -0.06 min
Lab File: BM005452.D
Acq: 14 May 2016 06:21

Tgt Ion:166 Resp: 628
Ion Ratio Lower Upper
166 100
165 0.0 77.9 116.9#
167 0.0 10.6 16.0#





#64

N-Nitrosodiphenylamine

Concen: 0.02 ng/ul

RT: 15.53 min Scan# 2183

Delta R.T. -0.13 min

Lab File: BM005452.D

Acq: 14 May 2016 06:21

Instrument :

BNA_M

ClientSampleId :

H4002MS

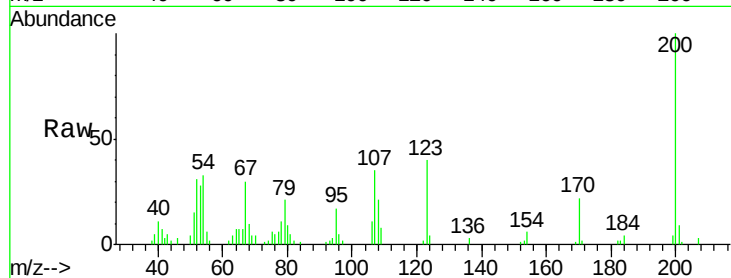
Tgt Ion:169 Resp: 223

Ion Ratio Lower Upper

169 100

168 0.0 52.9 79.3#

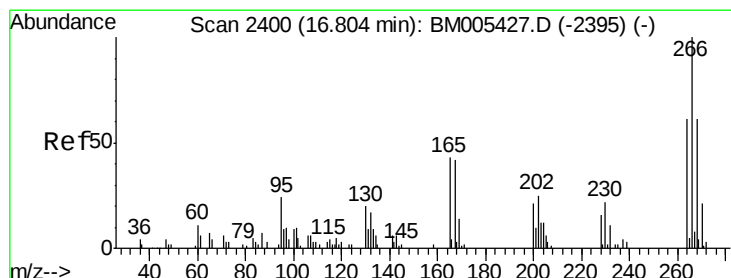
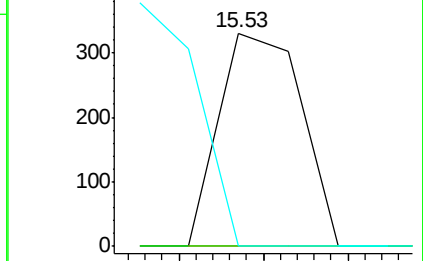
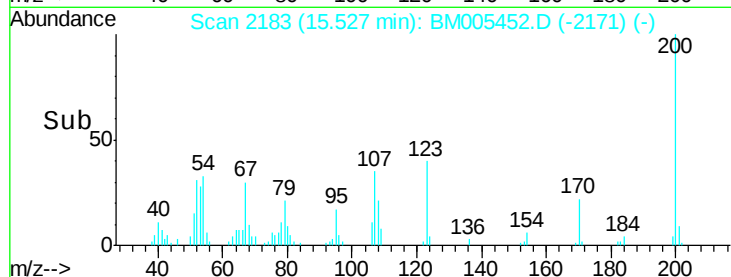
167 0.0 28.2 42.4#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#68

Pentachlorophenol

Concen: 21.43 ng/ul

RT: 16.80 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BM005452.D

Acq: 14 May 2016 06:21

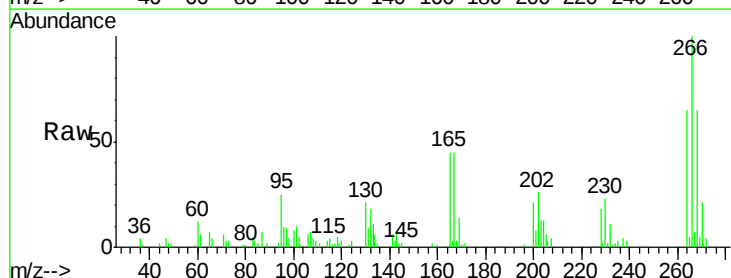
Tgt Ion:266 Resp: 52638

Ion Ratio Lower Upper

266 100

264 65.4 52.0 78.0

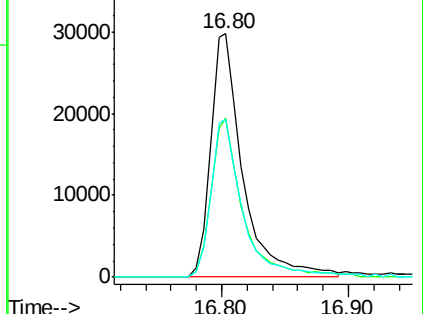
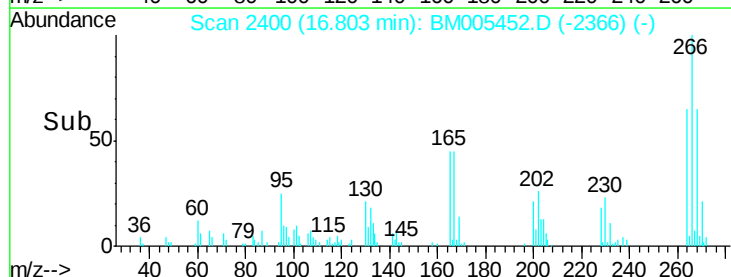
268 64.9 53.0 79.6

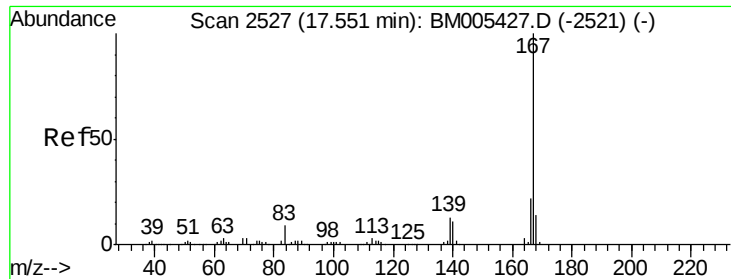


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#72

Carbazole

Concen: 0.02 ng/ul

RT: 17.42 min Scan# 2505

Delta R.T. -0.13 min

Lab File: BM005452.D

Acq: 14 May 2016 06:21

Instrument :

BNA_M

ClientSampleId :

H4002MS

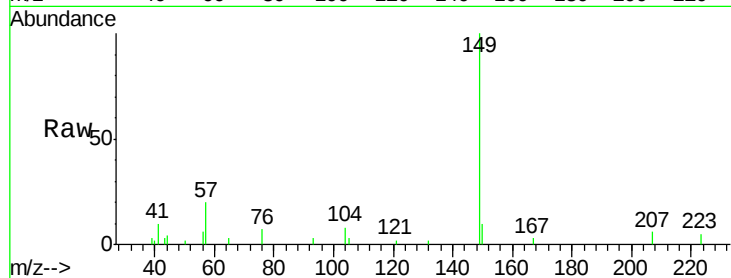
Tgt Ion:167 Resp: 447

Ion Ratio Lower Upper

167 100

166 0.0 17.1 25.7#

139 0.0 10.2 15.2#

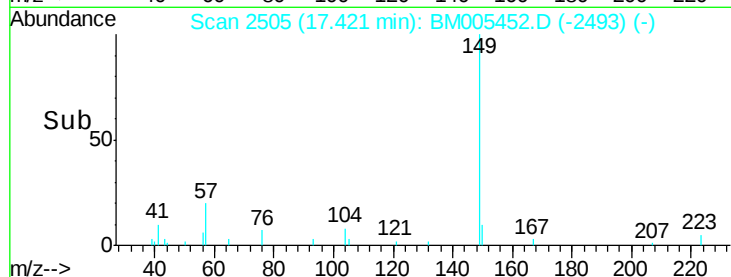


Abundance Ion 167.00 (166.70 to 167.70): E

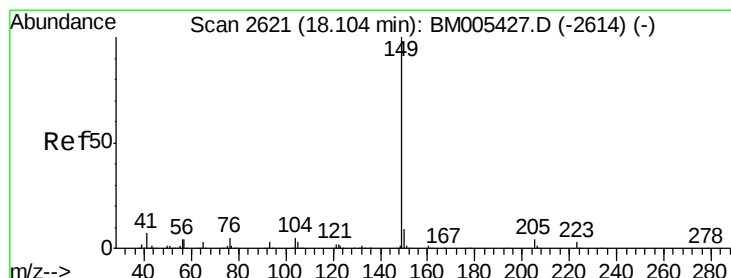
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

17.42



Time-->



#73

Di-n-butylphthalate

Concen: 0.49 ng/ul

RT: 18.10 min Scan# 2621

Delta R.T. -0.00 min

Lab File: BM005452.D

Acq: 14 May 2016 06:21

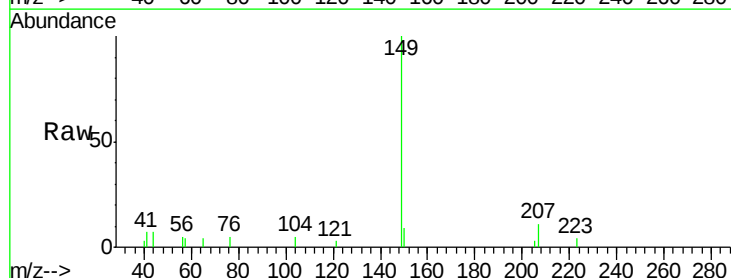
Tgt Ion:149 Resp: 11376

Ion Ratio Lower Upper

149 100

150 8.6 7.3 10.9

104 5.4 4.1 6.1

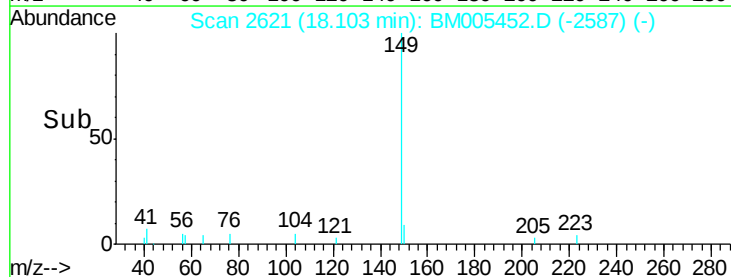


Abundance Ion 149.00 (148.70 to 149.70): E

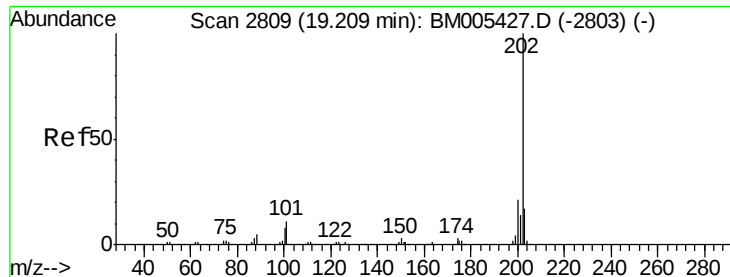
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

18.10



Time-->



#74

Fluoranthene

Concen: 0.08 ng/ul

RT: 19.15 min Scan# 2799

Delta R.T. -0.06 min

Lab File: BM005452.D

Acq: 14 May 2016 06:21

Instrument :

BNA_M

ClientSampleId :

H4002MS

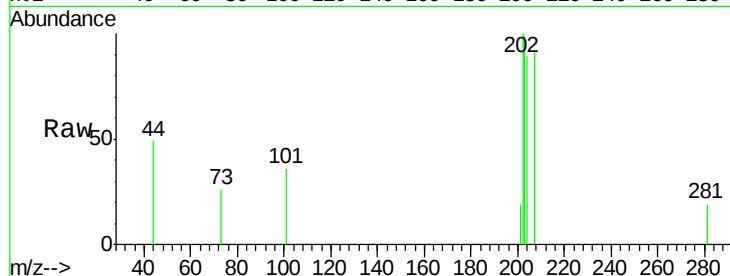
Tgt Ion:202 Resp: 1998

Ion Ratio Lower Upper

202 100

101 36.0 9.2 13.8#

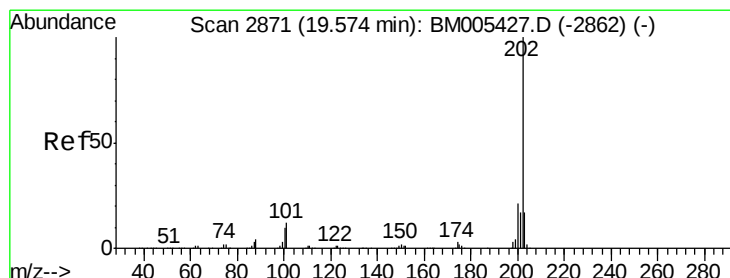
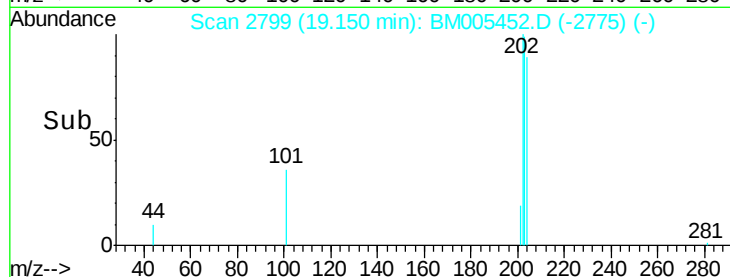
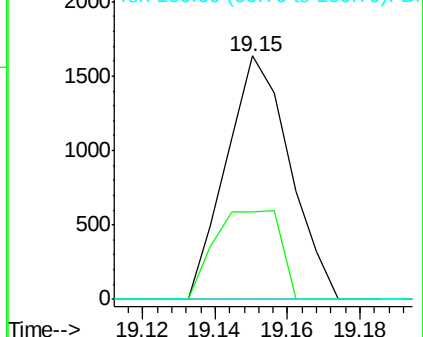
100 0.0 7.1 10.7#



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: 28.00 ng/ul

RT: 19.57 min Scan# 2871

Delta R.T. -0.00 min

Lab File: BM005452.D

Acq: 14 May 2016 06:21

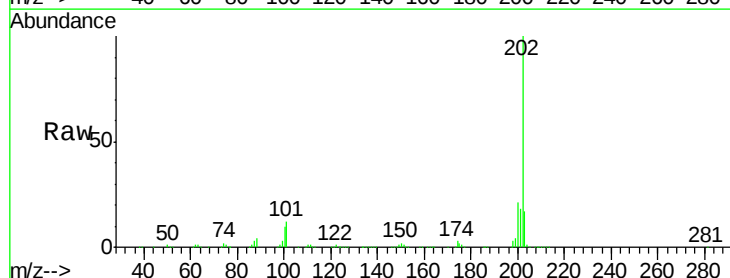
Tgt Ion:202 Resp: 926016

Ion Ratio Lower Upper

202 100

101 11.7 10.8 16.2

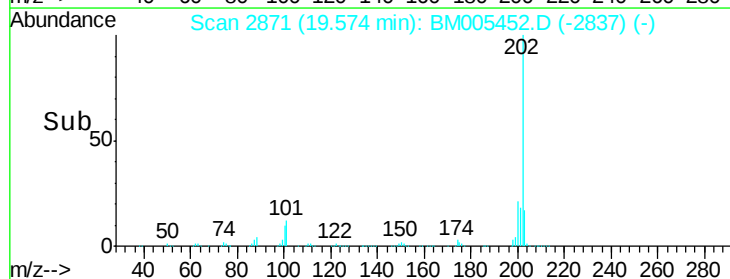
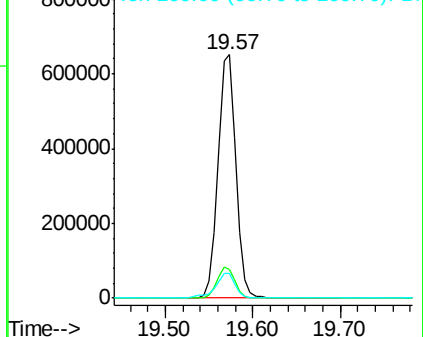
100 10.1 8.4 12.6

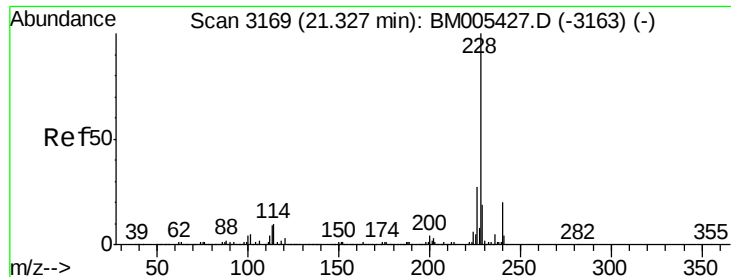


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 0.04 ng/ul

RT: 21.34 min Scan# 3171

Delta R.T. 0.01 min

Lab File: BM005452.D

Acq: 14 May 2016 06:21

Instrument :

BNA_M

ClientSampled :

H4002MS

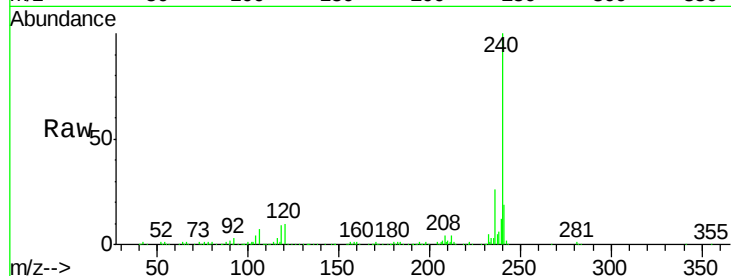
Tgt Ion:228 Resp: 1420

Ion Ratio Lower Upper

228 100

229 0.0 15.5 23.3#

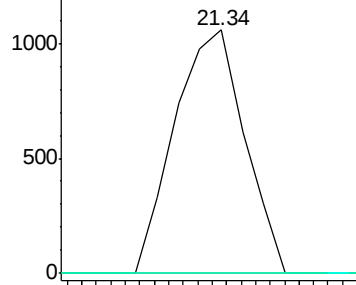
226 0.0 21.8 32.8#



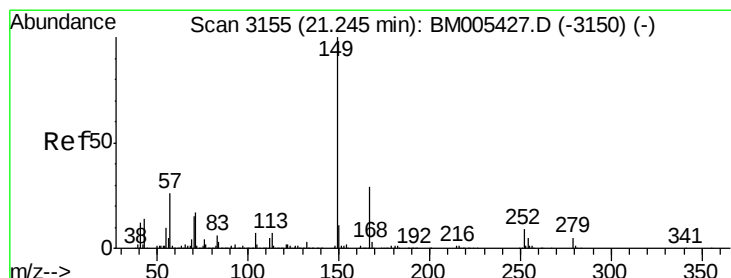
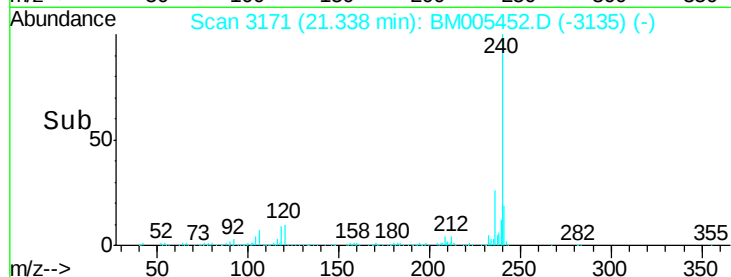
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time--> 21.30 21.32 21.34 21.36



#81

Bis(2-ethylhexyl)phthalate

Concen: 0.38 ng/ul

RT: 21.23 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BM005452.D

Acq: 14 May 2016 06:21

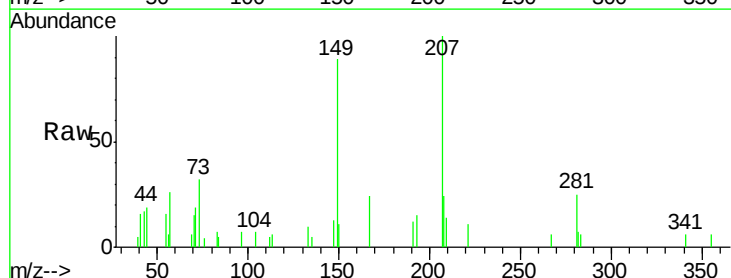
Tgt Ion:149 Resp: 7217

Ion Ratio Lower Upper

149 100

167 27.4 21.9 32.9

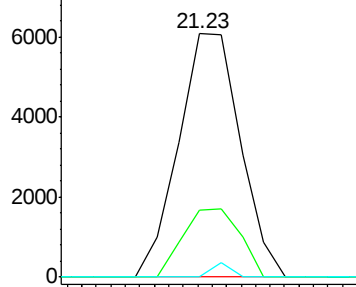
279 0.0 3.0 4.4#



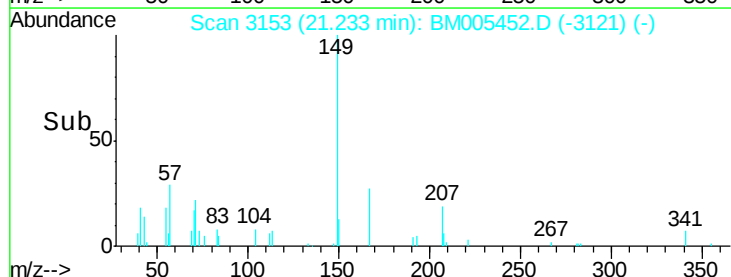
Abundance Ion 149.00 (148.70 to 149.70): E

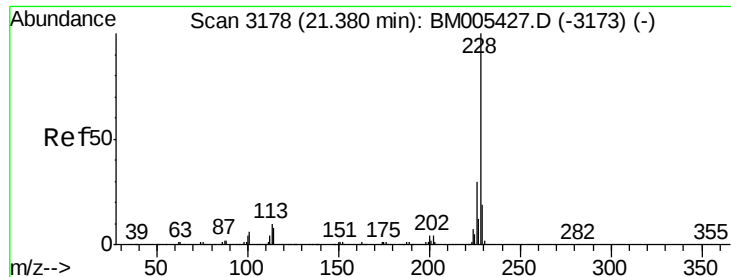
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 21.20 21.22 21.24 21.26





#82

Chrysene

Concen: 0.05 ng/ul

RT: 21.34 min Scan# 3171

Delta R.T. -0.04 min

Lab File: BM005452.D

Acq: 14 May 2016 06:21

Instrument :

BNA_M

ClientSampled :

H4002MS

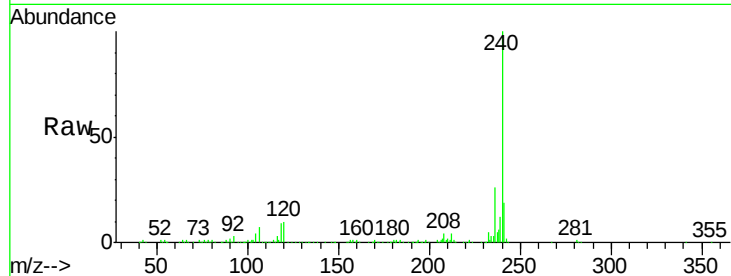
Tgt Ion:228 Resp: 1420

Ion Ratio Lower Upper

228 100

226 0.0 23.6 35.4#

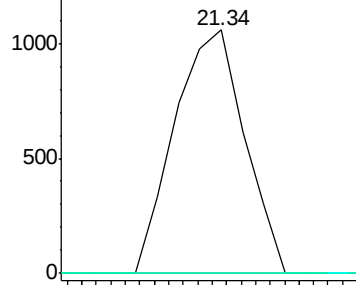
229 0.0 15.4 23.0#



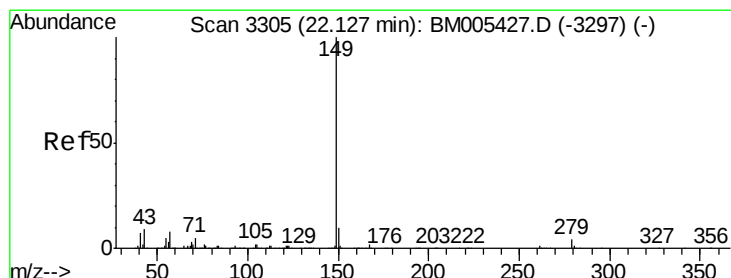
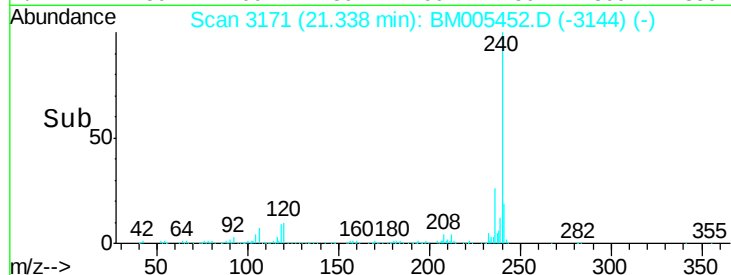
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#84

Di-n-octyl phthalate

Concen: 0.01 ng/ul

RT: 22.14 min Scan# 3307

Delta R.T. 0.01 min

Lab File: BM005452.D

Acq: 14 May 2016 06:21

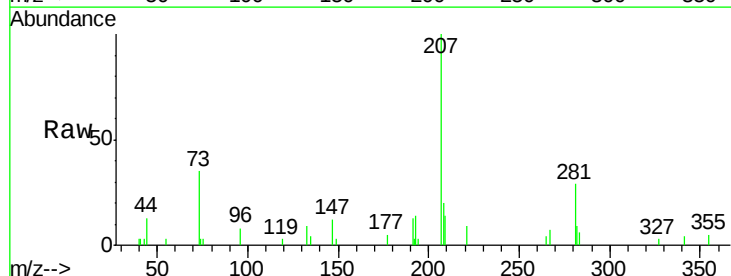
Tgt Ion:149 Resp: 370

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

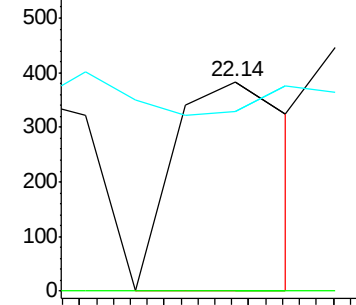
43 85.6 7.4 11.0#



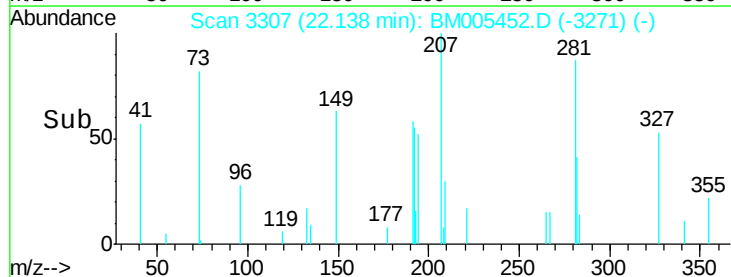
Abundance Ion 149.00 (148.70 to 149.70): E

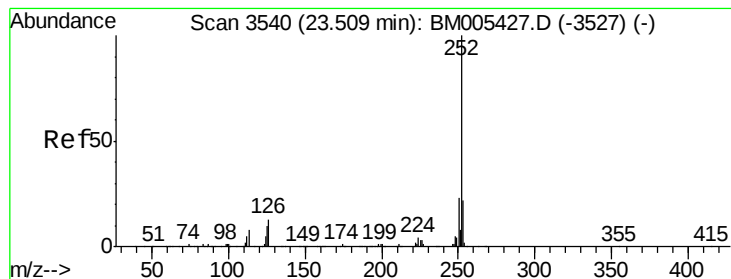
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM0



Time-->





#88

Benzo(a)pyrene

Concen: 0.08 ng/ul

RT: 23.46 min Scan# 3532

Delta R.T. -0.05 min

Lab File: BM005452.D

Acq: 14 May 2016 06:21

Instrument :

BNA_M

ClientSampleId :

H4002MS

Tgt Ion:252 Resp: 2406

Ion Ratio Lower Upper

252 100

253 32.7 17.5 26.3#

125 0.0 8.7 13.1#

