

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032218\
 Data File : BN000556.D
 Acq On : 23 Mar 2018 00:28
 Operator : JU/SJ
 Sample : J1905-06DL 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 23 02:30:30 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 23 02:22:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.41	152	194650	20.00	ng/ul	0.00
18) Naphthalene-d8	11.25	136	808132	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.03	164	418280	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.77	188	844512	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	660784	20.00	ng/ul	-0.01
83) Perylene-d12	24.36	264	535795	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.55	99	3295	0.18	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.71	67	6772	0.65	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.94	132	478	0.03	ng/ul	0.00
13) 4-Methylphenol-d8	9.12	113	2105	0.15	ng/ul	-0.01
19) Nitrobenzene-d5	9.63	128	5658	0.86	ng/ul	0.03
22) 2-Nitrophenol-d4	10.35	143	10304	1.52	ng/ul	0.03
26) 2,4-Dichlorophenol-d3	10.87	165	931	0.08	ng/ul	0.00
29) 4-Chloroaniline-d4	11.40	131	126	0.01	ng/ul	0.02
43) Dimethylphthalate-d6	14.42	166	2421	0.07	ng/ul	0.00
46) Acenaphthylene-d8	14.73	160	2661	0.06	ng/ul	0.00
51) 4-Nitrophenol-d4	15.22	143	16039	2.61	ng/ul	0.00
57) Fluorene-d10	16.02	176	5931	0.21	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.14	200	6335	1.31	ng/ul	0.00
70) Anthracene-d10	17.86	188	4127	0.10	ng/ul	0.00
76) Pyrene-d10	20.11	212	3423	0.09	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.21	264	682	0.03	ng/ul	0.00

Target Compounds

					Ovalue	
4) Benzaldehyde	7.53	77	24305	3.283	ng/ul#	1
14) Acetophenone	9.22	105	381761	18.156	ng/ul#	30
17) Hexachloroethane	9.53	117	47877	8.185	ng/ul#	1
21) Isophorone	10.15	82	34614	1.121	ng/ul#	1
28) Naphthalene	11.30	128	192166	4.528	ng/ul#	93
34) 2-Methylnaphthalene	12.88	142	359105	12.674	ng/ul	99
40) 1,1'-Biphenyl	13.87	154	37600	1.056	ng/ul#	96
45) 2,6-Dinitrotoluene	14.64	165	7592	1.153	ng/ul#	80
50) 2,4-Dinitrophenol	15.15	184	23279	7.491	ng/ul#	1
52) 4-Nitrophenol	15.25	109	33396	7.043	ng/ul#	10
55) 2,3,4,6-Tetrachlorophenol	15.65	232	303576	44.729	ng/ul#	90
58) Fluorene	16.07	166	45967	1.463	ng/ul#	89
60) 4-Nitroaniline	16.10	138	15733	2.202	ng/ul#	42
63) 4,6-Dinitro-2-methylphenol	16.14	198	19866	3.891	ng/ul#	64
64) N-Nitrosodiphenylamine	16.27	169	46801	1.682	ng/ul#	40
68) Pentachlorophenol	17.43	266	2909760	606.394	ng/ul	96
69) Phenanthrene	17.81	178	246281	5.062	ng/ul	97
71) Anthracene	17.81	178	246281	4.937	ng/ul	98
74) Fluoranthene	19.78	202	157780	3.264	ng/ul#	81
77) Pyrene	20.14	202	137478	2.849	ng/ul#	75
81) Bis(2-ethylhexyl)phthalate	21.74	149	88196	2.534	ng/ul	99
84) Di-n-octyl phthalate	22.70	149	87389	1.938	ng/ul	100

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

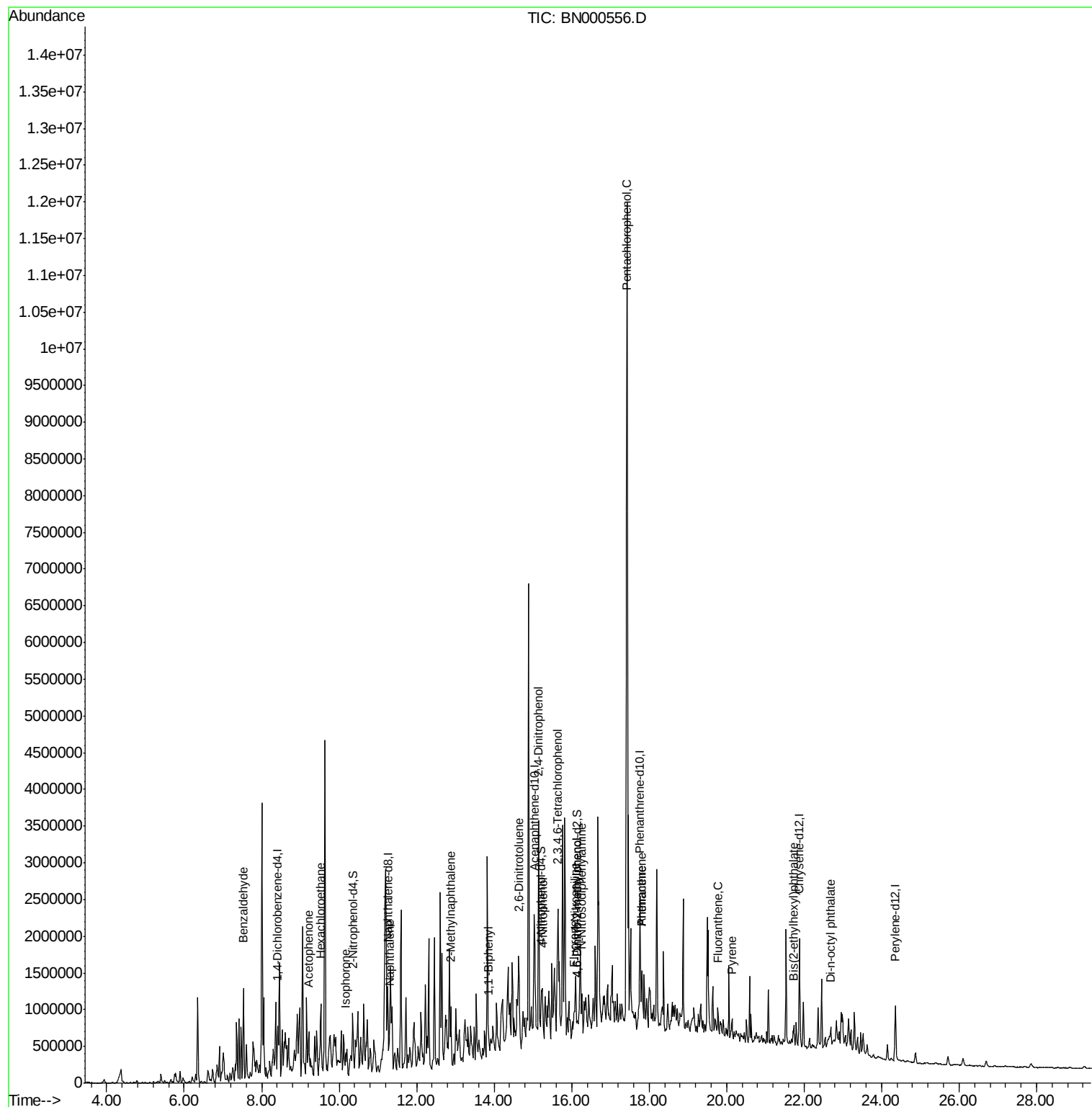
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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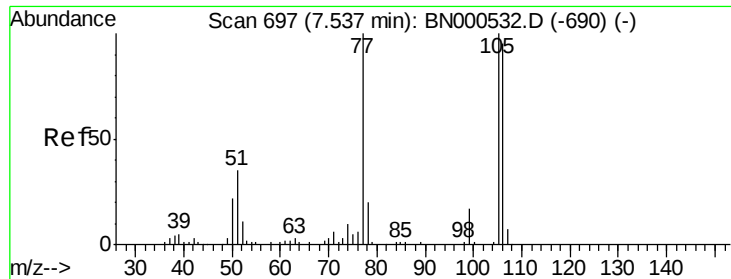
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 3.283 ng/ul

RT: 7.53 min Scan# 696

Delta R.T. -0.01 min

Lab File: BN000556.D

Acq: 23 Mar 2018 00:28

Instrument :

BNA_N

ClientSampled :

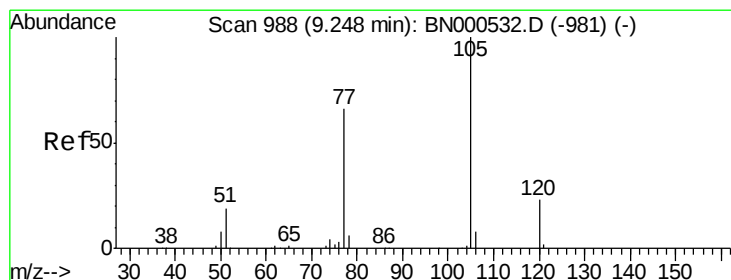
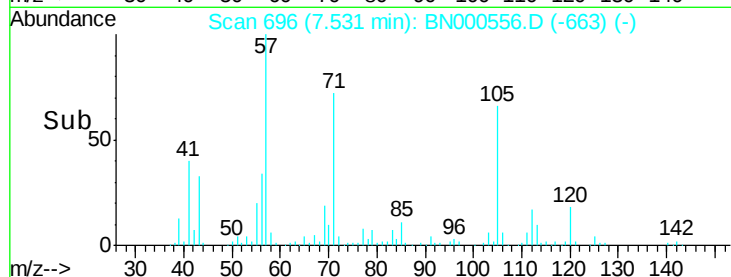
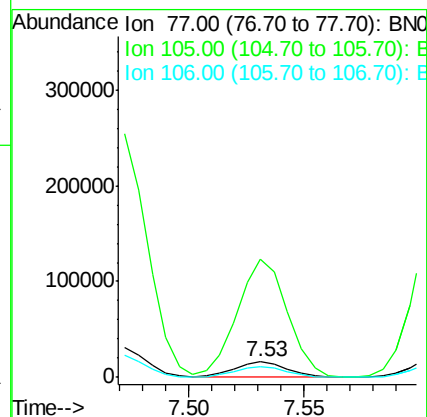
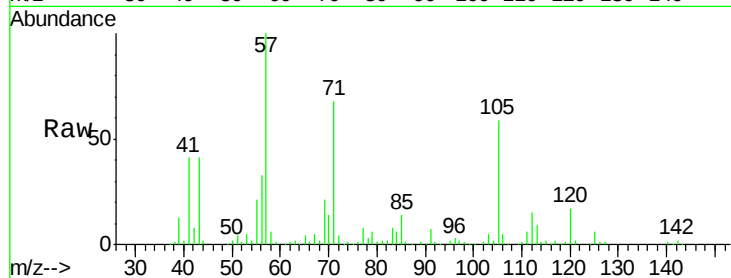
Tot Ion: 77 Resp: 24305

Ion Ratio Lower Upper

77 100

105 779.2 71.0 106.6#

106 69.9 69.5 104.3



#14

Acetophenone

Concen: 18.156 ng/ul

RT: 9.22 min Scan# 983

Delta R.T. -0.03 min

Lab File: BN000556.D

Acq: 23 Mar 2018 00:28

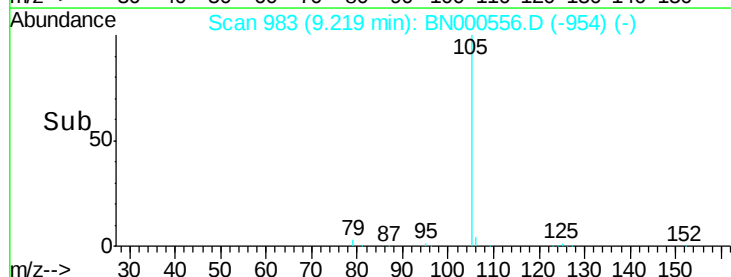
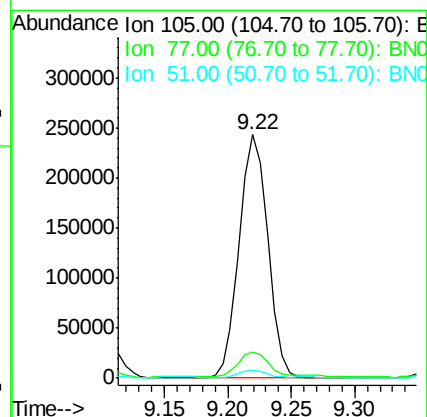
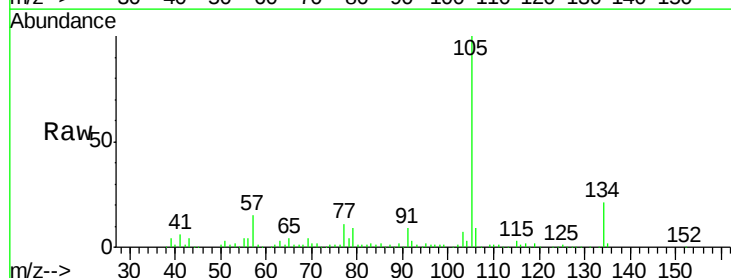
Tgt Ion: 105 Resp: 381761

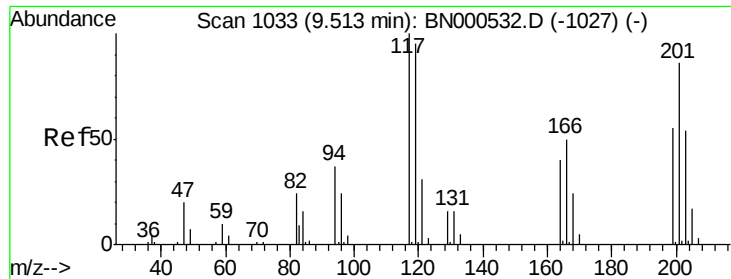
Ion Ratio Lower Upper

105 100

77 10.8 63.2 94.8#

51 3.1 19.8 29.8#





#17

Hexachloroethane

Concen: 8.185 ng/ul

RT: 9.53 min Scan# 1035

Delta R.T. 0.01 min

Lab File: BN000556.D

Acq: 23 Mar 2018 00:28

Instrument :

BNA_N

ClientSampleId :

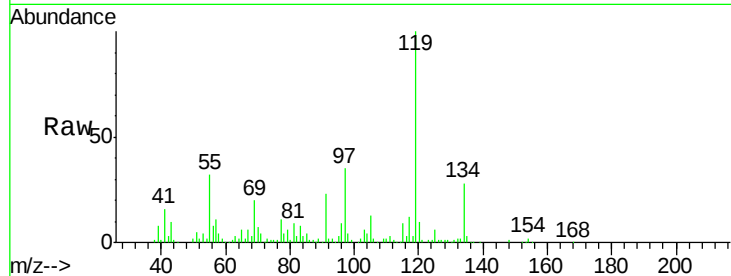
Tot Ion:117 Resp: 47877

Ion Ratio Lower Upper

117 100

201 0.0 96.1 144.1#

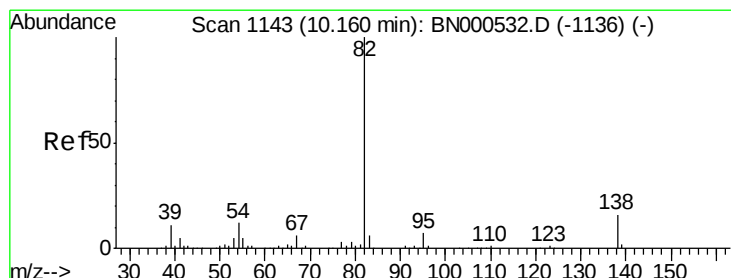
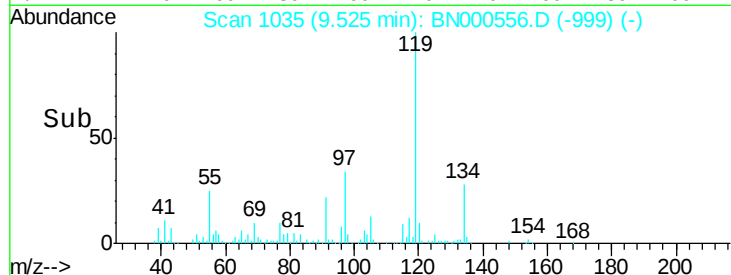
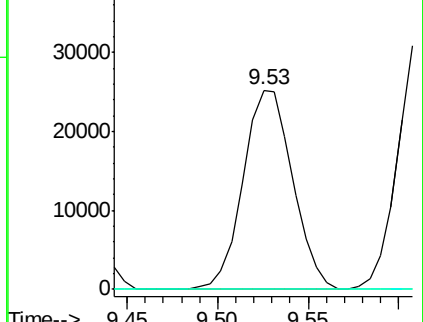
199 0.0 59.7 89.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#21

Isophorone

Concen: 1.121 ng/ul

RT: 10.15 min Scan# 1142

Delta R.T. -0.01 min

Lab File: BN000556.D

Acq: 23 Mar 2018 00:28

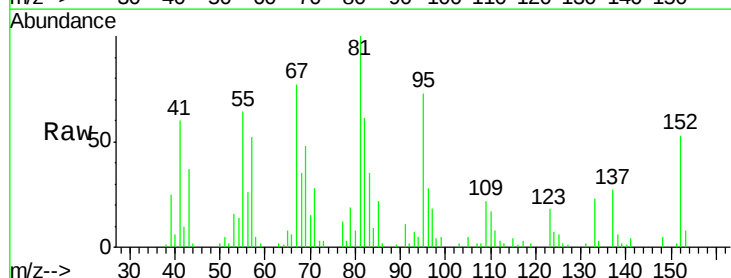
Tgt Ion: 82 Resp: 34614

Ion Ratio Lower Upper

82 100

95 119.5 6.1 9.1#

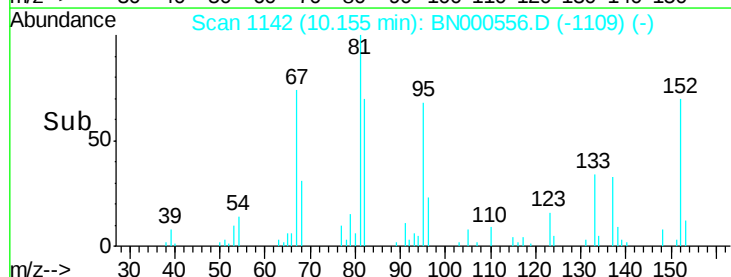
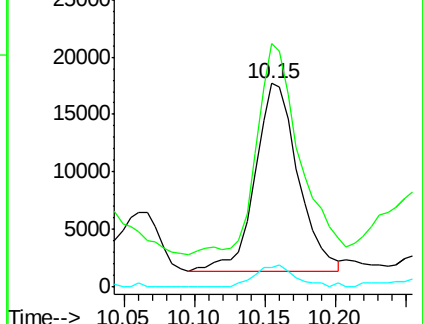
138 9.9 13.5 20.3#

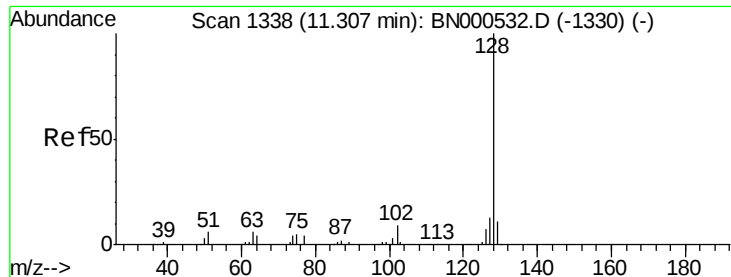


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 95.00 (94.70 to 95.70): BNC

Ion 138.00 (137.70 to 138.70): E





#28

Naphthalene

Concen: 4.528 ng/ul

RT: 11.30 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BN000556.D

Acq: 23 Mar 2018 00:28

Instrument :

BNA_N

ClientSampleId :

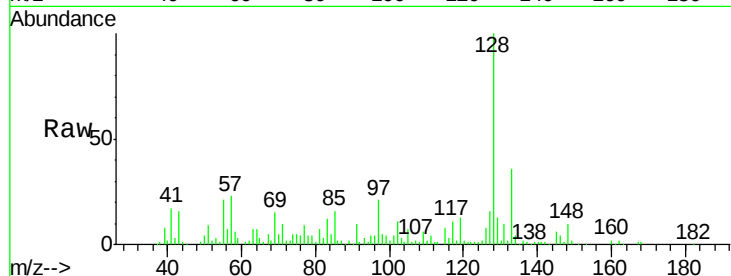
Tot Ion:128 Resp: 192166

Ion Ratio Lower Upper

128 100

129 13.3 8.3 12.5#

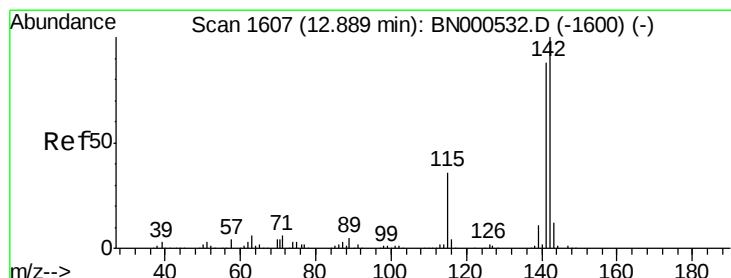
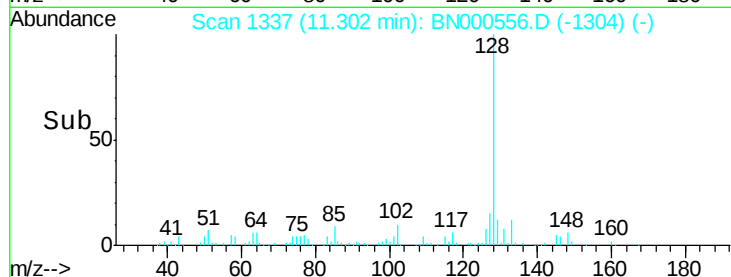
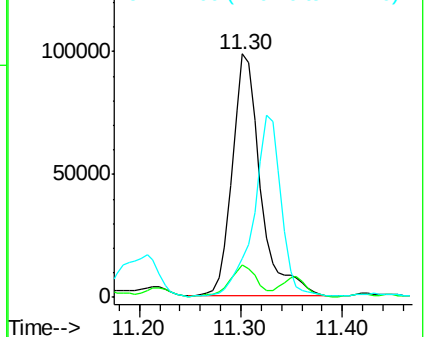
127 15.9 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 12.674 ng/ul

RT: 12.88 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BN000556.D

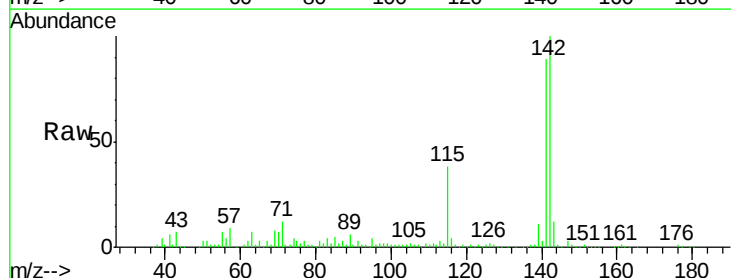
Acq: 23 Mar 2018 00:28

Tgt Ion:142 Resp: 359105

Ion Ratio Lower Upper

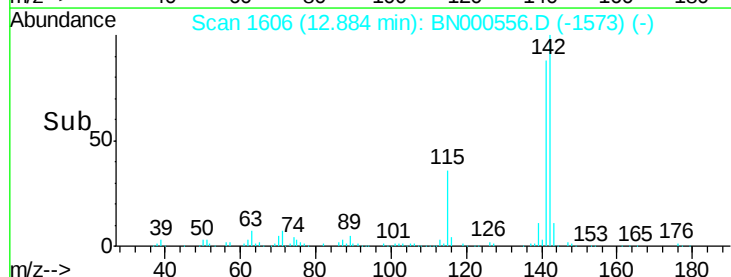
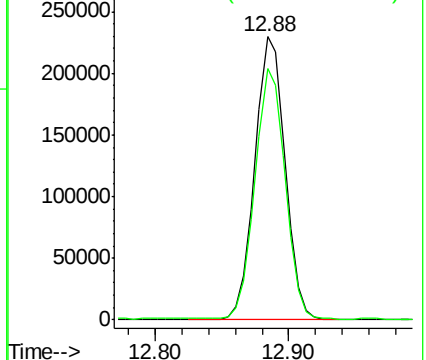
142 100

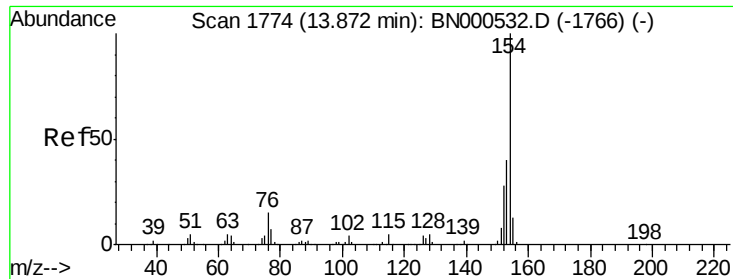
141 88.6 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 1.056 ng/ul

RT: 13.87 min Scan# 1774

Delta R.T. 0.00 min

Lab File: BN000556.D

Acq: 23 Mar 2018 00:28

Instrument :

BNA_N

ClientSampleId :

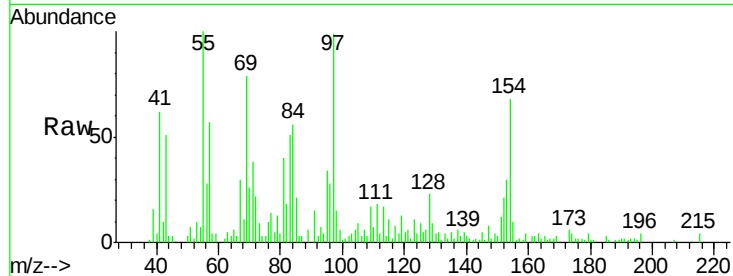
Tot Ion:154 Resp: 37600

Ion Ratio Lower Upper

154 100

153 43.9 34.0 51.0

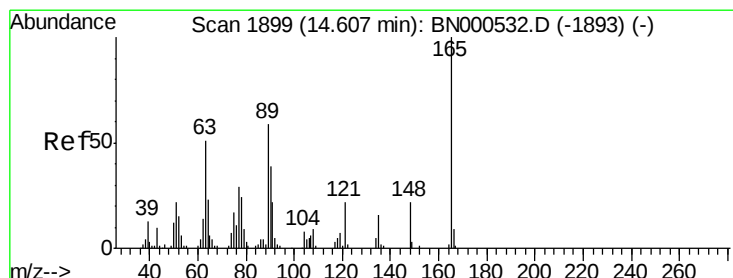
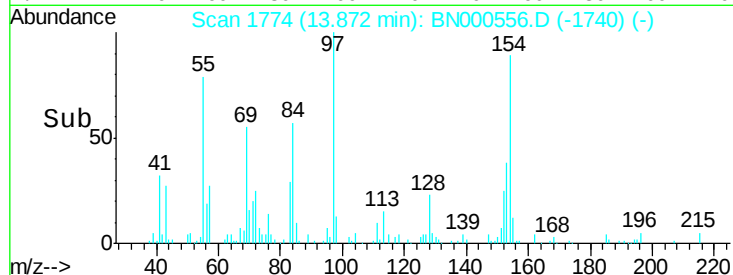
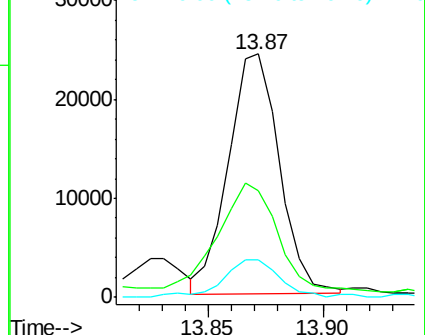
76 15.2 8.4 12.6#



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): BNC



#45

2,6-Dinitrotoluene

Concen: 1.153 ng/ul

RT: 14.64 min Scan# 1904

Delta R.T. 0.03 min

Lab File: BN000556.D

Acq: 23 Mar 2018 00:28

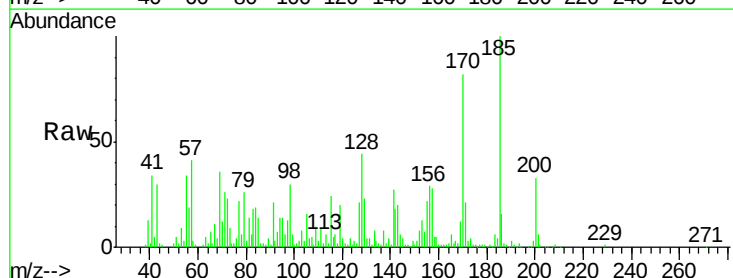
Tgt Ion:165 Resp: 7592

Ion Ratio Lower Upper

165 100

89 66.7 43.8 65.8#

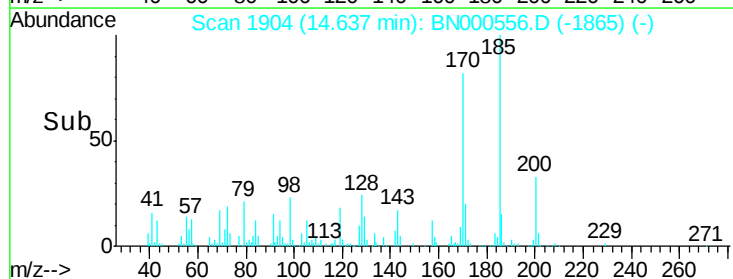
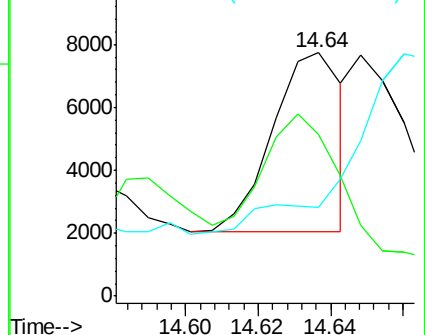
121 36.4 17.8 26.6#

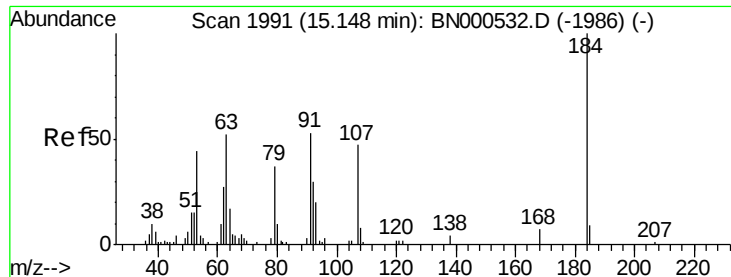


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BNC

Ion 121.00 (120.70 to 121.70): E

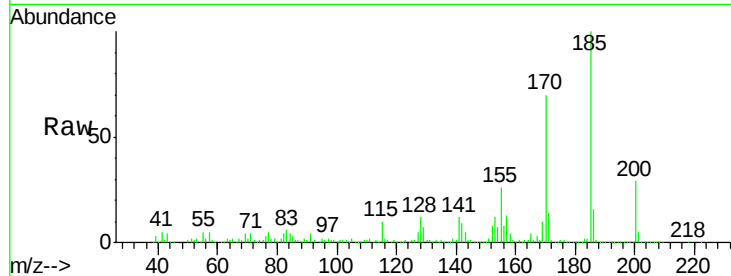




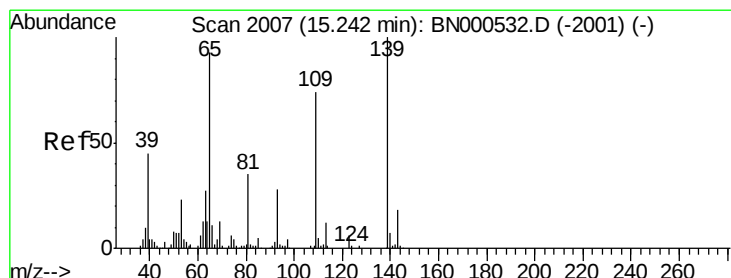
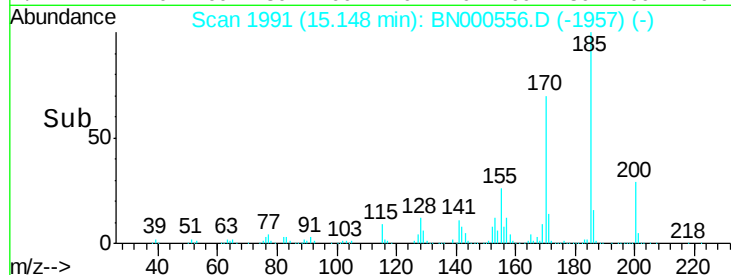
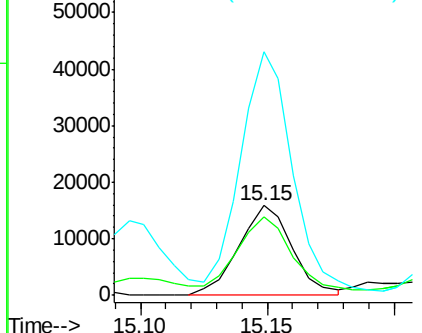
#50
2,4-Dinitrophenol
Concen: 7.491 ng/ul
RT: 15.15 min Scan# 1991
Delta R.T. 0.00 min
Lab File: BN000556.D
Acq: 23 Mar 2018 00:28

Instrument :
BNA_N
ClientSampleId :

Tot Ion:184 Resp: 23279
Ion Ratio Lower Upper
184 100
63 88.0 39.7 59.5#
154 271.8 45.0 67.6#

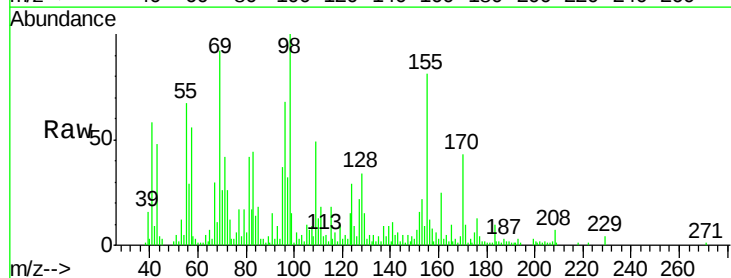


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BNO
Ion 154.00 (153.70 to 154.70): E

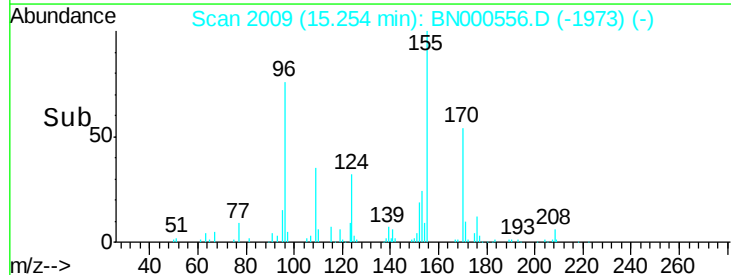
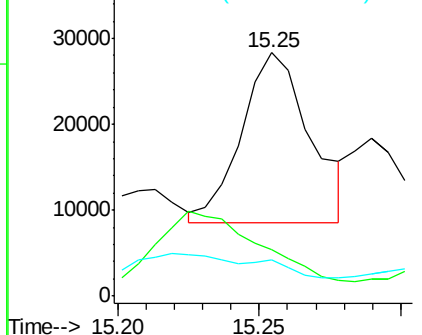


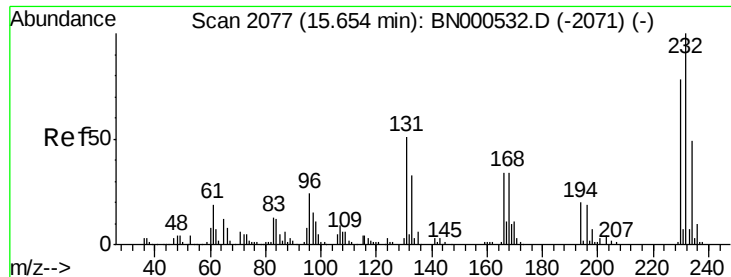
#52
4-Nitrophenol
Concen: 7.043 ng/ul
RT: 15.25 min Scan# 2009
Delta R.T. 0.01 min
Lab File: BN000556.D
Acq: 23 Mar 2018 00:28

Tgt Ion:109 Resp: 33396
Ion Ratio Lower Upper
109 100
139 19.2 91.2 136.8#
65 14.9 92.6 139.0#



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): BNO





#55

2,3,4,6-Tetrachlorophenol

Concen: 44.729 ng/ul

RT: 15.65 min Scan# 2077

Delta R.T. 0.00 min

Lab File: BN000556.D

Acq: 23 Mar 2018 00:28

Instrument :

BNA_N

ClientSampled :

Tot Ion:232 Resp: 303576

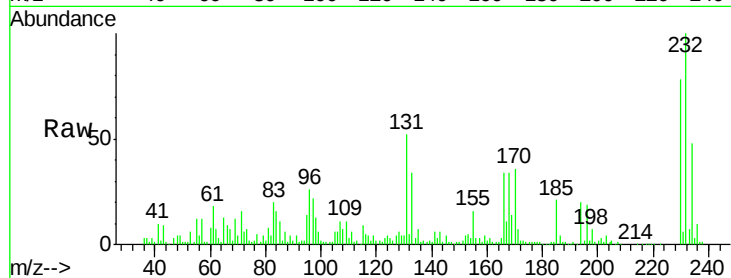
Ion Ratio Lower Upper

232 100

131 51.7 48.0 72.0

130 3.5 4.0 6.0#

166 33.7 32.0 48.0

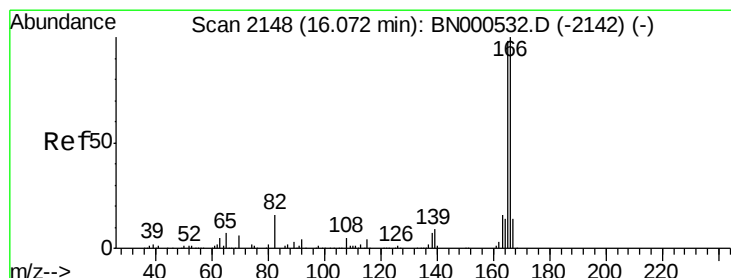
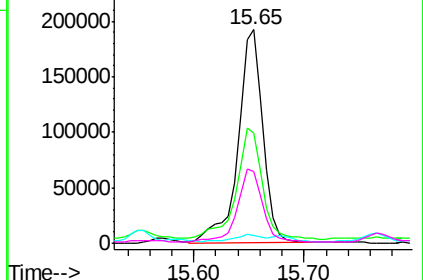
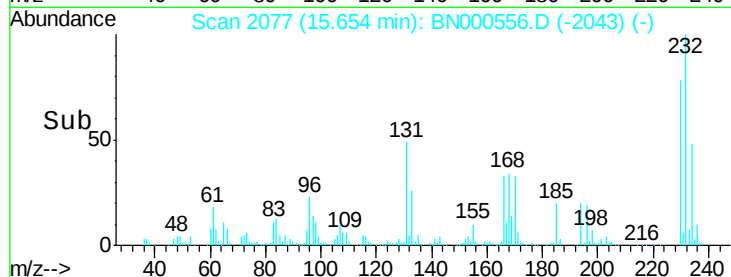


Abundance Ion 232.00 (231.70 to 232.70): E

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



#58

Fluorene

Concen: 1.463 ng/ul

RT: 16.07 min Scan# 2148

Delta R.T. 0.00 min

Lab File: BN000556.D

Acq: 23 Mar 2018 00:28

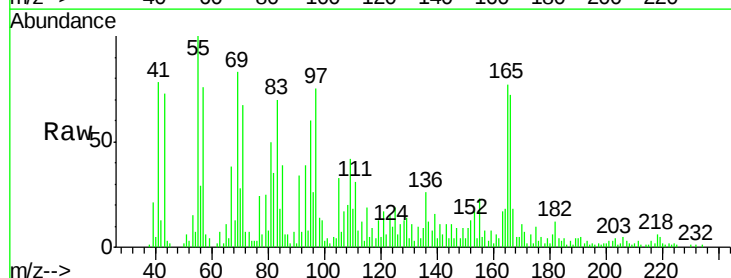
Tgt Ion:166 Resp: 45967

Ion Ratio Lower Upper

166 100

165 106.7 78.4 117.6

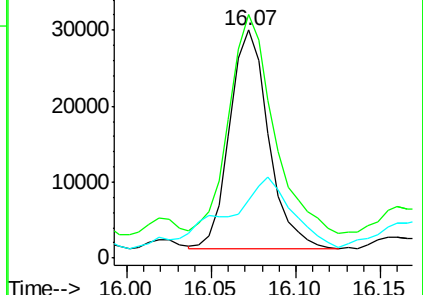
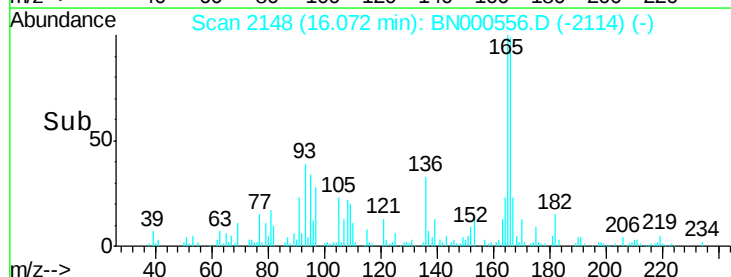
167 25.3 11.1 16.7#

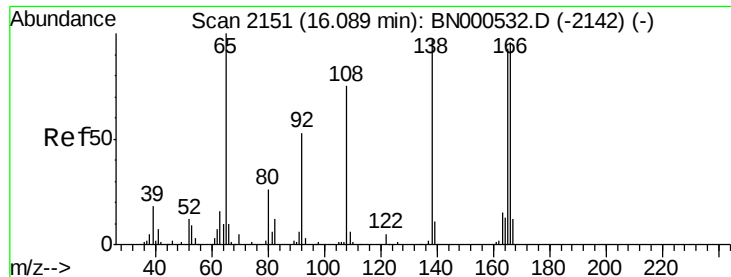


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

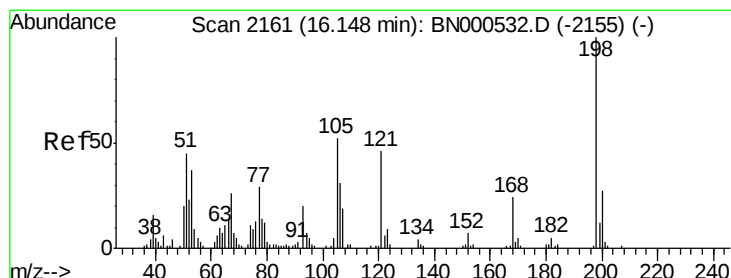
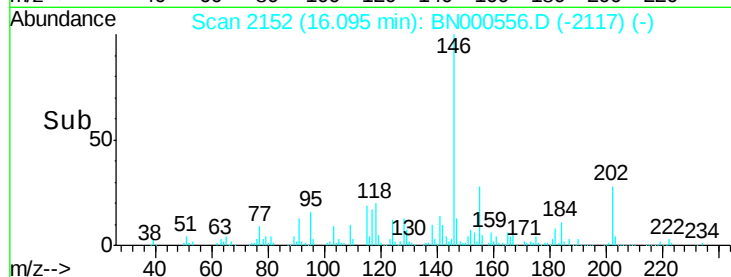
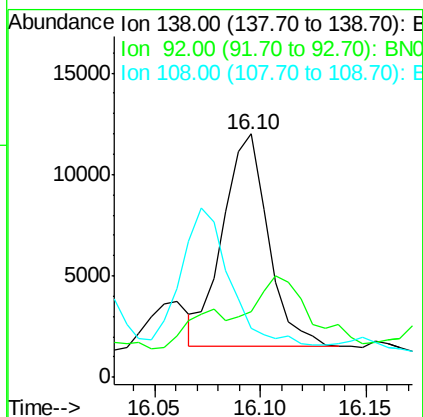
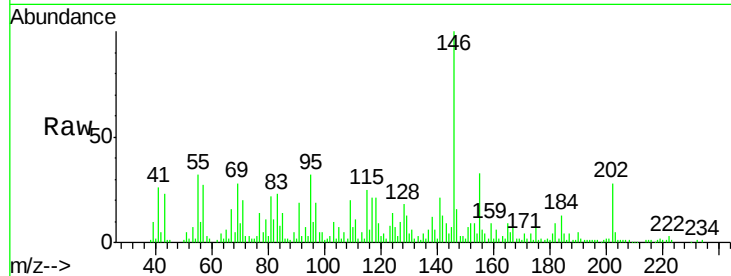




#60
4-Nitroaniline
Concen: 2.202 ng/ul
RT: 16.10 min Scan# 2152
Delta R.T. 0.01 min
Lab File: BN000556.D
Acq: 23 Mar 2018 00:28

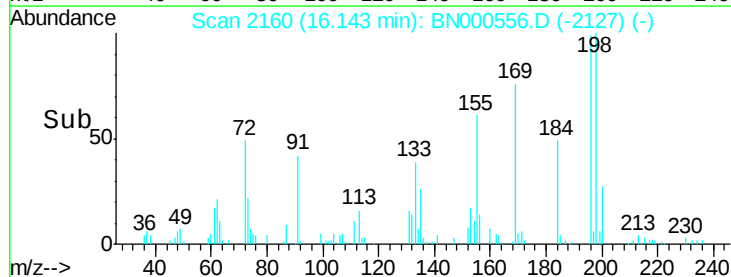
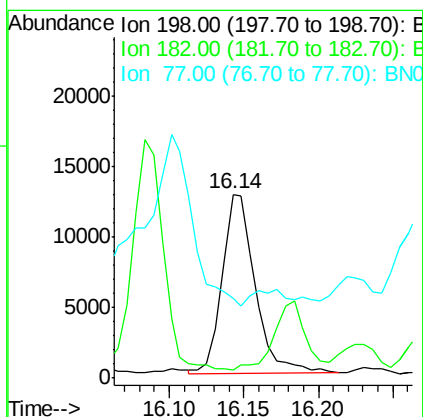
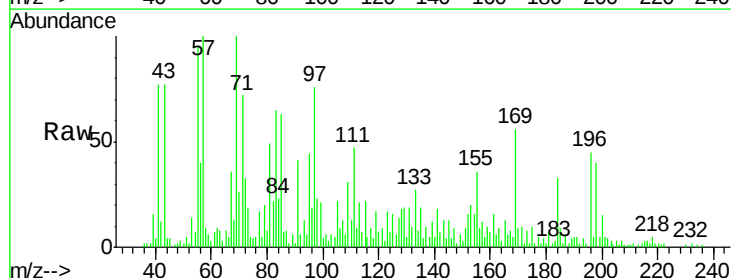
Instrument :
BNA_N
ClientSampleId :

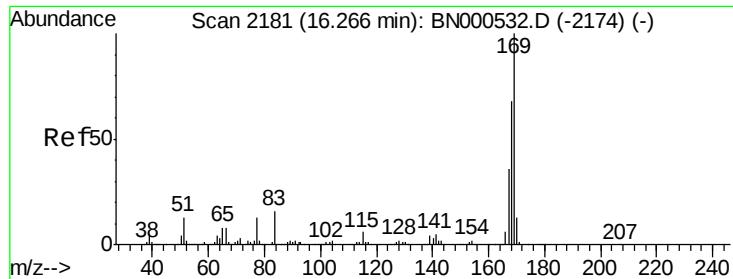
Tot Ion:138 Resp: 15733
Ion Ratio Lower Upper
138 100
92 26.9 38.2 57.4#
108 20.4 70.0 105.0#



#63
4,6-Dinitro-2-methylphenol
Concen: 3.891 ng/ul
RT: 16.14 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BN000556.D
Acq: 23 Mar 2018 00:28

Tgt Ion:198 Resp: 19866
Ion Ratio Lower Upper
198 100
182 4.5 3.5 5.3
77 43.4 18.2 27.4#

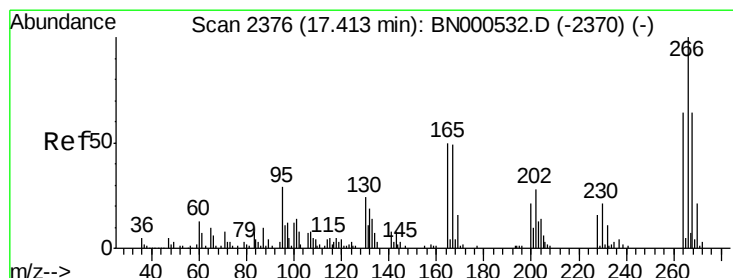
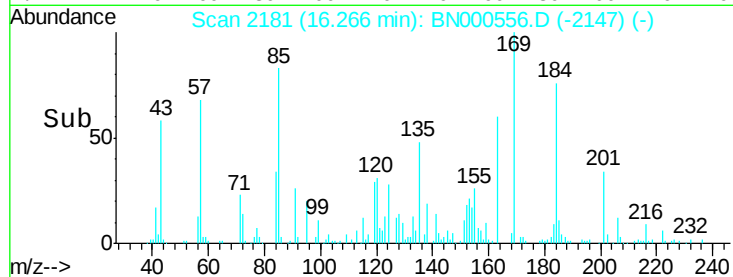
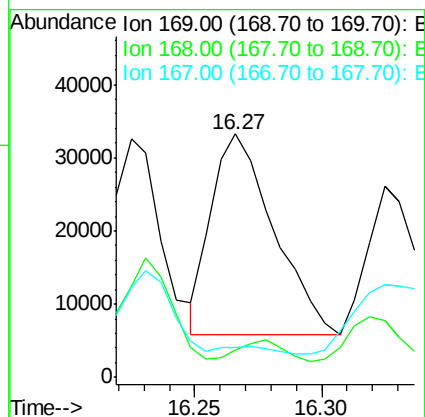
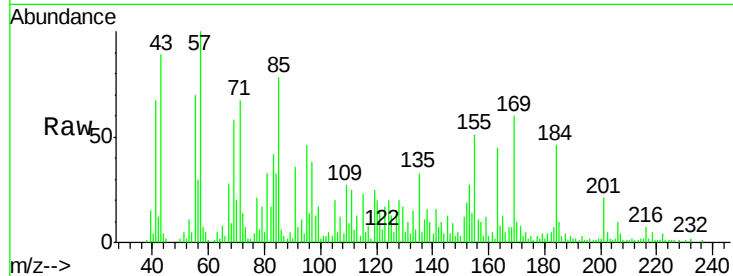




#64
N-Nitrosodiphenylamine
Concen: 1.682 ng/ul
RT: 16.27 min Scan# 2181
Delta R.T. 0.00 min
Lab File: BN000556.D
Acq: 23 Mar 2018 00:28

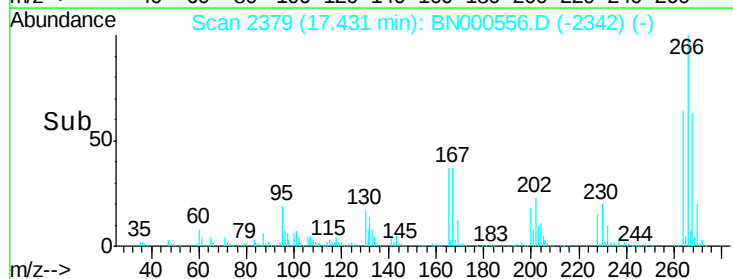
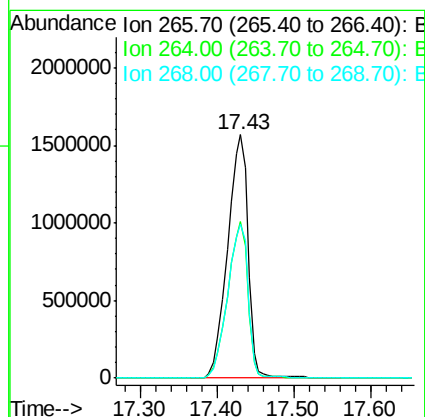
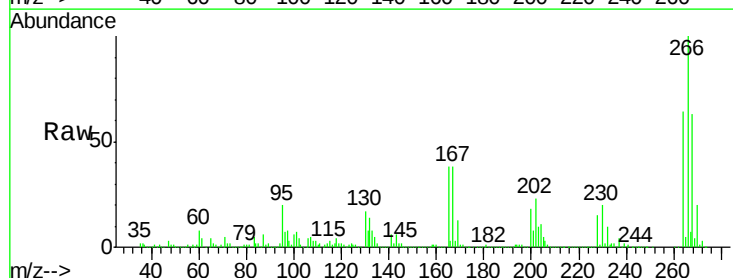
Instrument :
BNA_N
ClientSampleId :

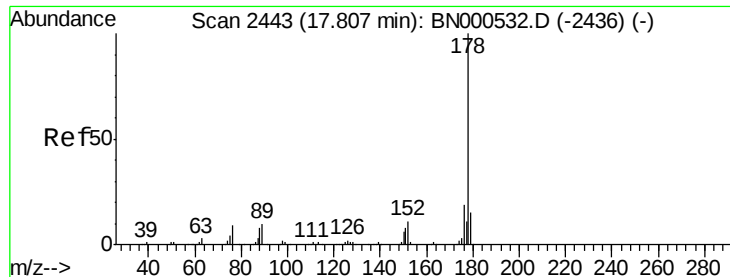
Tot Ion:169 Resp: 46801
Ion Ratio Lower Upper
169 100
168 11.2 53.8 80.8#
167 12.3 29.5 44.3#



#68
Pentachlorophenol
Concen: 606.394 ng/ul
RT: 17.43 min Scan# 2379
Delta R.T. 0.02 min
Lab File: BN000556.D
Acq: 23 Mar 2018 00:28

Tgt Ion:266 Resp: 2909760
Ion Ratio Lower Upper
266 100
264 64.2 48.2 72.4
268 63.0 52.3 78.5

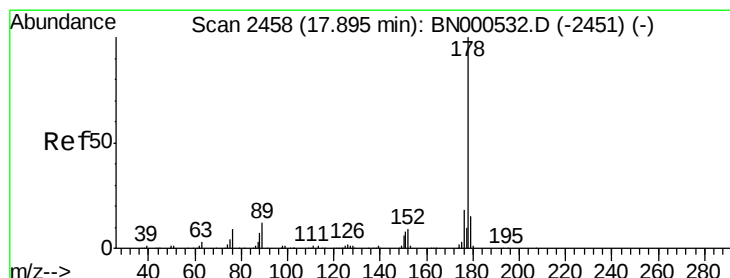
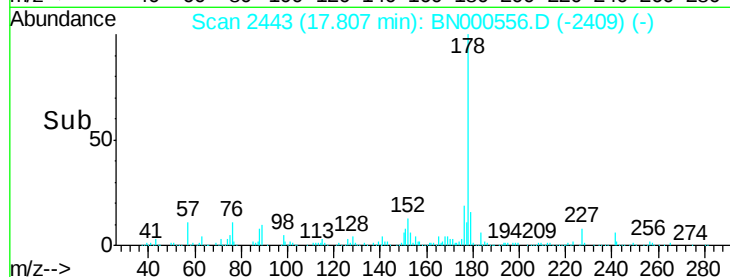
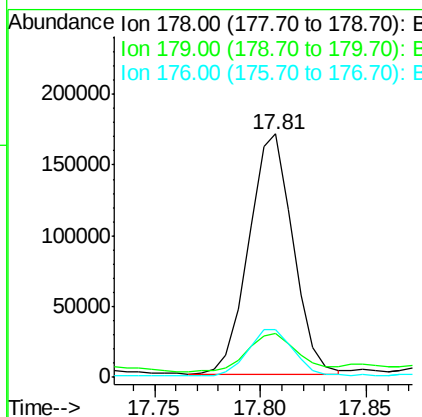
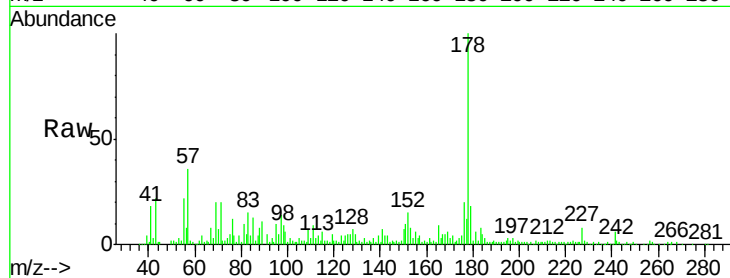




#69
Phenanthrene
Concen: 5.062 ng/ul
RT: 17.81 min Scan# 2443
Delta R.T. 0.00 min
Lab File: BN000556.D
Acq: 23 Mar 2018 00:28

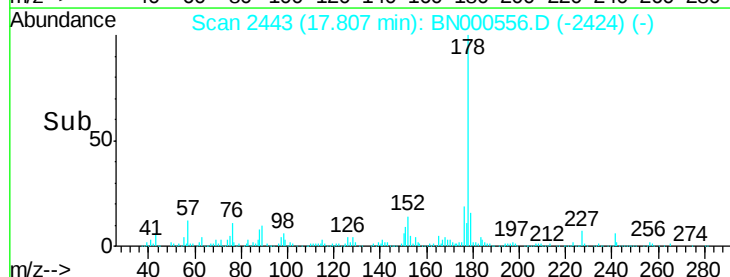
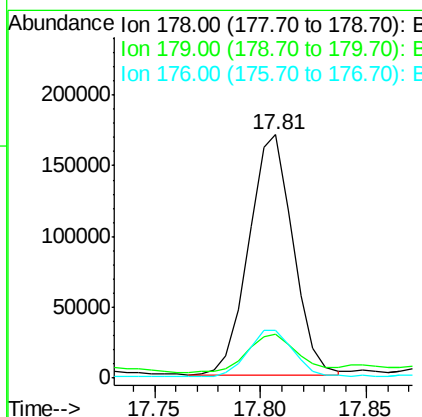
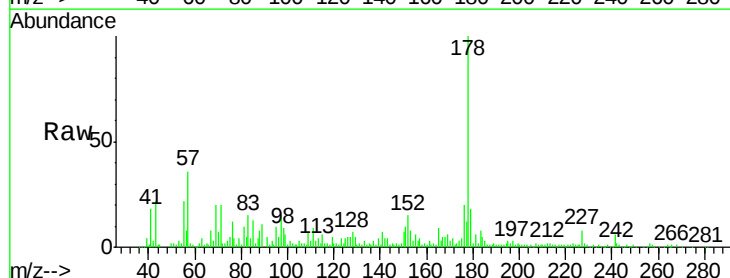
Instrument :
BNA_N
ClientSampled :

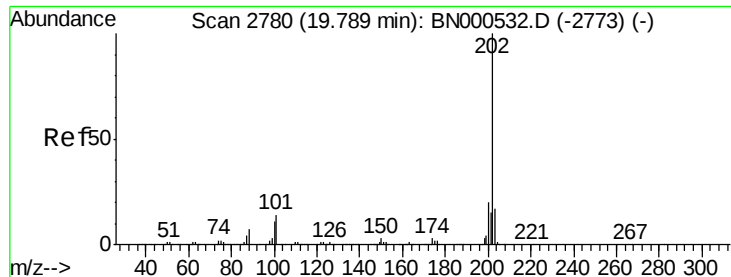
Tot Ion:178 Resp: 246281
Ion Ratio Lower Upper
178 100
179 18.2 12.3 18.5
176 19.6 15.4 23.0



#71
Anthracene
Concen: 4.937 ng/ul
RT: 17.81 min Scan# 2443
Delta R.T. -0.09 min
Lab File: BN000556.D
Acq: 23 Mar 2018 00:28

Tgt Ion:178 Resp: 246281
Ion Ratio Lower Upper
178 100
179 18.2 13.4 20.2
176 19.6 15.4 23.0





#74

Fluoranthene

Concen: 3.264 ng/ul

RT: 19.78 min Scan# 2779

Delta R.T. -0.01 min

Lab File: BN000556.D

Acq: 23 Mar 2018 00:28

Instrument :

BNA_N

ClientSampleId :

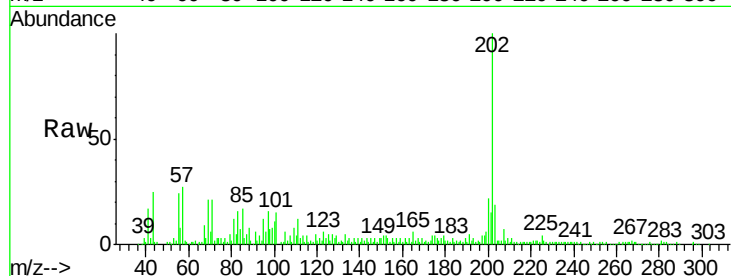
Tot Ion:202 Resp: 157780

Ion Ratio Lower Upper

202 100

101 15.5 6.1 9.1#

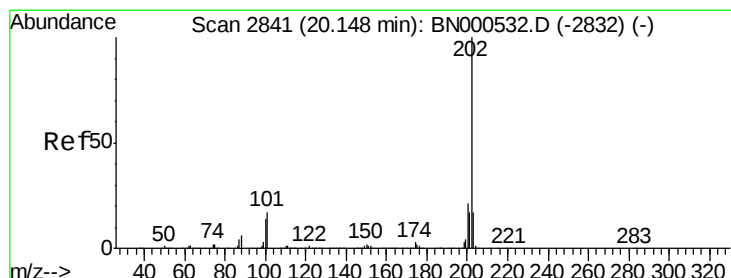
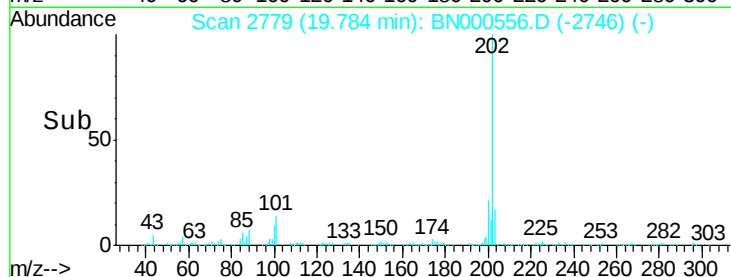
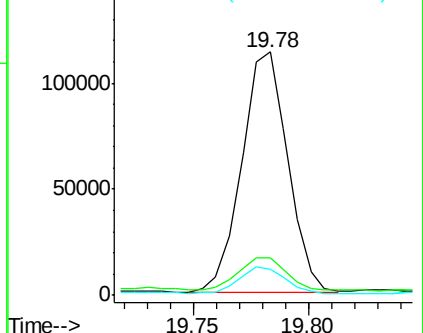
100 10.9 4.6 7.0#



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: 2.849 ng/ul

RT: 20.14 min Scan# 2840

Delta R.T. -0.01 min

Lab File: BN000556.D

Acq: 23 Mar 2018 00:28

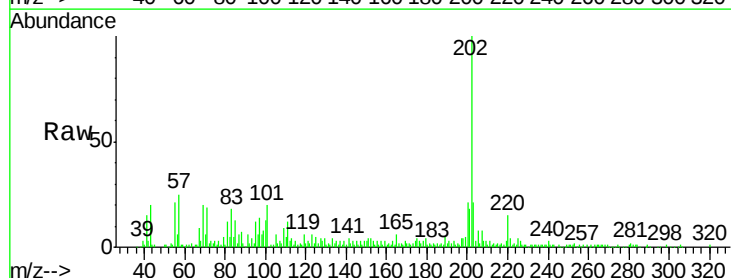
Tgt Ion:202 Resp: 137478

Ion Ratio Lower Upper

202 100

101 19.7 6.9 10.3#

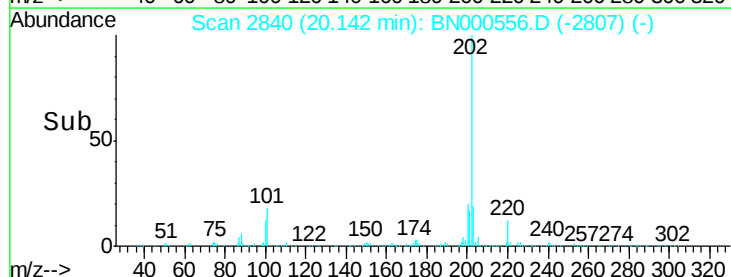
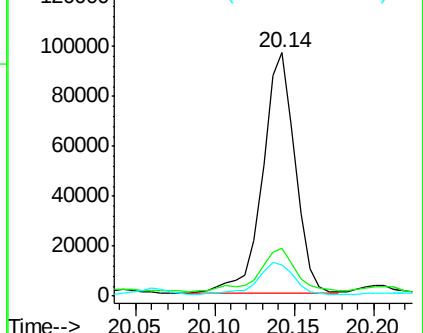
100 12.8 5.6 8.4#

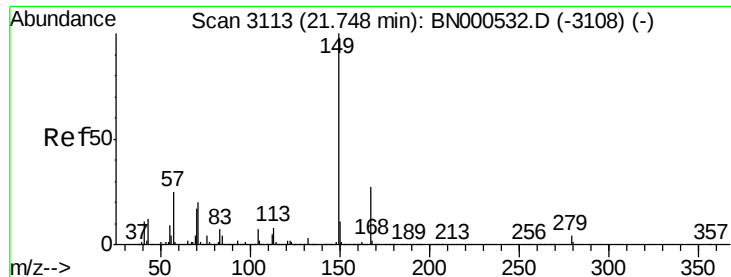


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#81

Bis(2-ethylhexyl)phthalate

Concen: 2.534 ng/ul

RT: 21.74 min Scan# 3112

Delta R.T. -0.01 min

Lab File: BN000556.D

Acq: 23 Mar 2018 00:28

Instrument :

BNA_N

ClientSampleId :

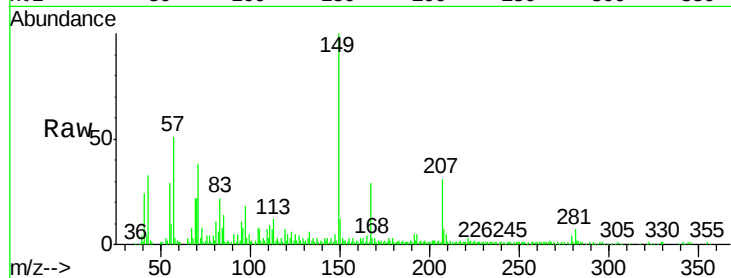
Tot Ion:149 Resp: 88196

Ion Ratio Lower Upper

149 100

167 28.7 23.0 34.6

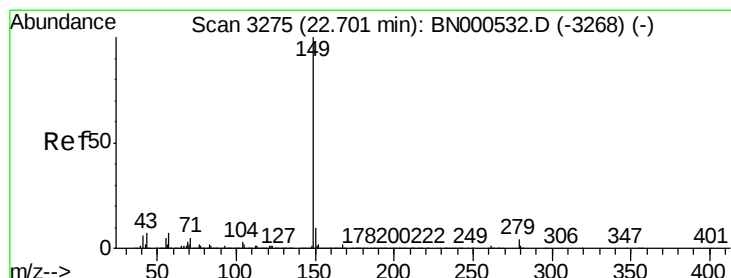
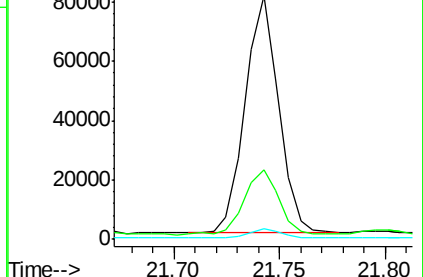
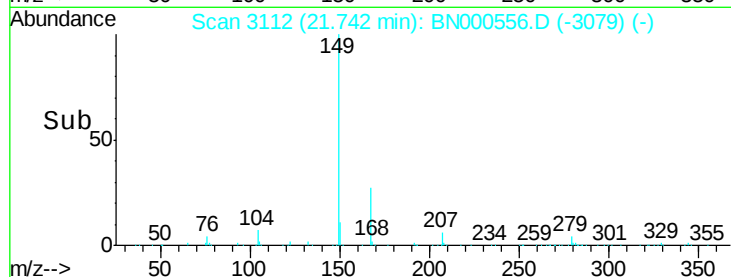
279 4.4 4.3 6.5



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



#84

Di-n-octyl phthalate

Concen: 1.938 ng/ul

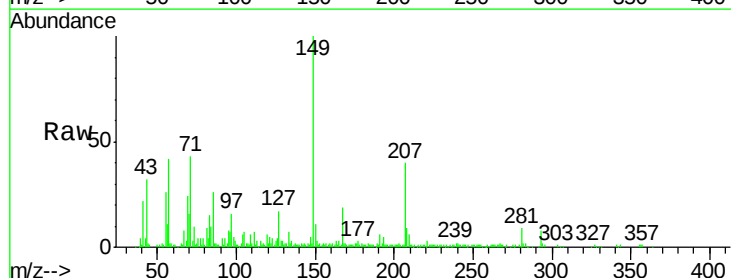
RT: 22.70 min Scan# 3274

Delta R.T. -0.01 min

Lab File: BN000556.D

Acq: 23 Mar 2018 00:28

Tgt Ion:149 Resp: 87389



Abundance Ion 149.00 (148.70 to 149.70): E

Time-->

