

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032218\
 Data File : BN000555.D
 Acq On : 22 Mar 2018 23:54
 Operator : JU/SJ
 Sample : J1905-03DL 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 23 02:30:13 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	8.42	152	169489	20.00	ng/ul	0.00
18) Naphthalene-d8	11.25	136	638074	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.04	164	289870	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.77	188	555863	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	516286	20.00	ng/ul	0.00
83) Perylene-d12	24.36	264	533057	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	8652	0.55	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.71	67	26122	2.86	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.94	132	2170	0.18	ng/ul	0.00
13) 4-Methylphenol-d8	9.13	113	3398	0.28	ng/ul	0.00
19) Nitrobenzene-d5	9.62	128	12014	2.32	ng/ul	0.02
22) 2-Nitrophenol-d4	10.31	143	245	0.05	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.88	165	2627	0.27	ng/ul	0.00
29) 4-Chloroaniline-d4	11.35	131	117454	11.89	ng/ul	-0.03
43) Dimethylphthalate-d6	14.42	166	5794	0.25	ng/ul	0.00
46) Acenaphthylene-d8	14.73	160	6789	0.22	ng/ul	0.00
51) 4-Nitrophenol-d4	15.23	143	32282	7.59	ng/ul	0.00
57) Fluorene-d10	16.02	176	9243	0.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.15	200	7559	2.37	ng/ul	0.02
70) Anthracene-d10	17.87	188	6055	0.23	ng/ul	0.00
76) Pyrene-d10	20.12	212	7636	0.27	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.20	264	3805	0.15	ng/ul	-0.01

Target Compounds

				Ovalue	
4) Benzaldehyde	7.54	77	86347	13.394	ng/ul# 1
14) Acetophenone	9.37	105	138445	7.562	ng/ul 92
15) N-Nitroso-di-n-propylamine	9.21	70	34136	3.565	ng/ul# 82
17) Hexachloroethane	9.53	117	147150	28.891	ng/ul# 1
20) Nitrobenzene	9.62	77	32115	2.510	ng/ul# 36
21) Isophorone	10.16	82	112911	4.630	ng/ul# 4
23) 2-Nitrophenol	10.34	139	7354	1.274	ng/ul# 1
24) 2,4-Dimethylphenol	10.45	107	37264	2.996	ng/ul# 52
28) Naphthalene	11.31	128	592275	17.676	ng/ul# 93
34) 2-Methylnaphthalene	12.89	142	912166	40.774	ng/ul 99
38) 2,4,6-Trichlorophenol	13.48	196	7321	1.239	ng/ul 93
40) 1,1'-Biphenyl	13.87	154	95147	3.856	ng/ul# 95
45) 2,6-Dinitrotoluene	14.64	165	31869	6.982	ng/ul# 70
49) Acenaphthene	15.10	153	48716	2.414	ng/ul# 77
50) 2,4-Dinitrophenol	15.15	184	48665	22.598	ng/ul# 1
52) 4-Nitrophenol	15.26	109	56892	17.313	ng/ul# 9
53) Dibenzofuran	15.43	168	38961	1.422	ng/ul# 42
55) 2,3,4,6-Tetrachlorophenol	15.66	232	847854	180.263	ng/ul# 90
58) Fluorene	16.08	166	88473	4.062	ng/ul# 84
60) 4-Nitroaniline	16.10	138	28963	5.850	ng/ul# 51
63) 4,6-Dinitro-2-methylphenol	16.15	198	17397	5.176	ng/ul# 1
64) N-Nitrosodiphenylamine	16.27	169	91685	5.007	ng/ul# 42
66) Hexachlorobenzene	17.07	284	6816	1.139	ng/ul# 1

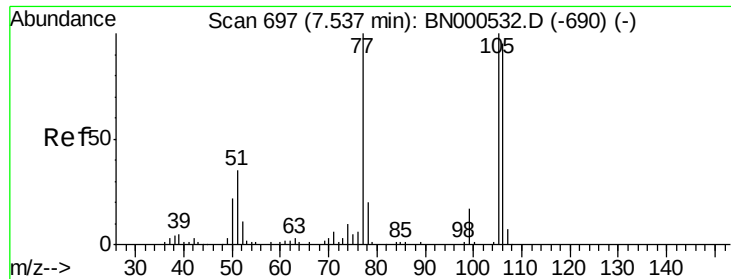
Data Path : Z:\HPCHEM1\BNA N\DATA\BN032218\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Pentachlorophenol	17.45	266	6273254	1986.226	ng/ul	97
69) Phenanthrene	17.81	178	334084	10.433	ng/ul#	94
71) Anthracene	17.81	178	334084	10.174	ng/ul	96
74) Fluoranthene	19.78	202	98056	3.081	ng/ul#	71
77) Pyrene	20.14	202	100220	2.658	ng/ul#	68
81) Bis(2-ethylhexyl)phthalate	21.74	149	70618	2.597	ng/ul#	96
84) Di-n-octyl phthalate	22.70	149	91006	2.028	ng/ul	100

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



#4

Benzaldehyde

Concen: 13.394 ng/ul

RT: 7.54 min Scan# 697

Delta R.T. 0.00 min

Lab File: BN000555.D

Acq: 22 Mar 2018 23:54

Instrument :

BNA_N

ClientSampled :

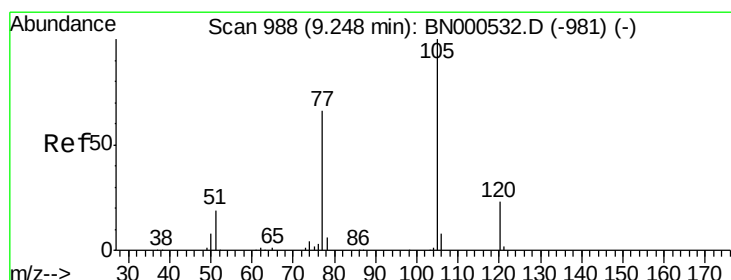
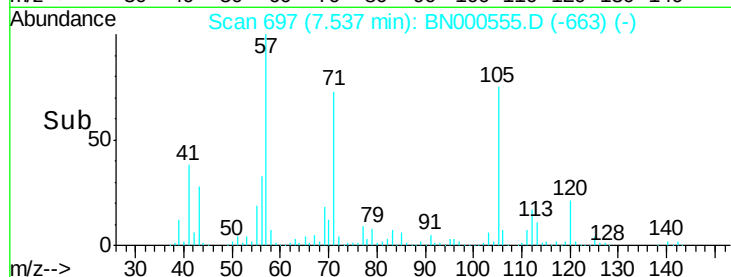
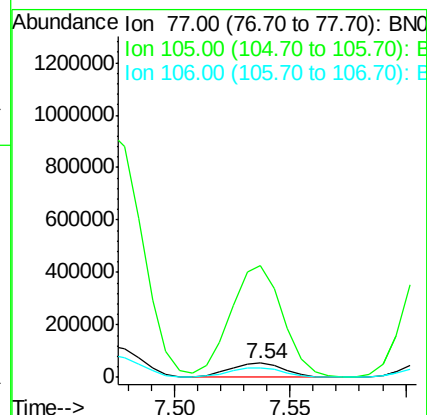
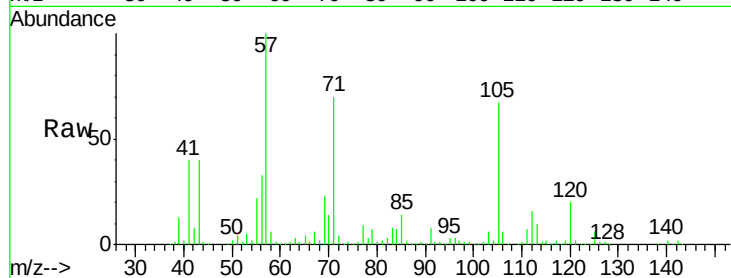
Tot Ion: 77 Resp: 86347

Ion Ratio Lower Upper

77 100

105 785.0 71.0 106.6#

106 68.7 69.5 104.3#



#14

Acetophenone

Concen: 7.562 ng/ul

RT: 9.37 min Scan# 1009

Delta R.T. 0.12 min

Lab File: BN000555.D

Acq: 22 Mar 2018 23:54

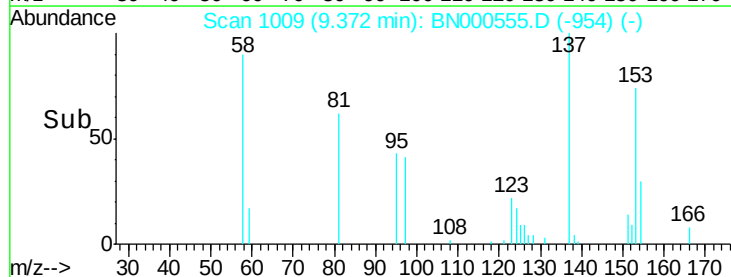
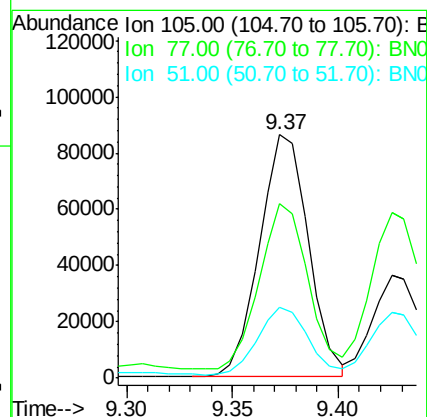
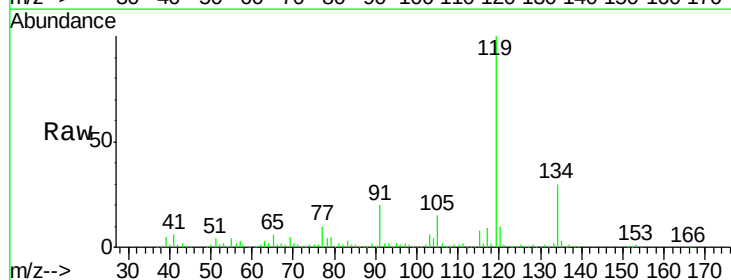
Tgt Ion: 105 Resp: 138445

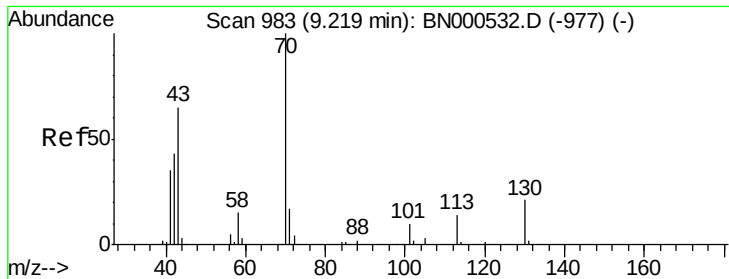
Ion Ratio Lower Upper

105 100

77 71.6 63.2 94.8

51 28.8 19.8 29.8





#15

N-Nitroso-di-n-propylamine

Concen: 3.565 ng/ul

RT: 9.21 min Scan# 981

Delta R.T. -0.01 min

Lab File: BN000555.D

Acq: 22 Mar 2018 23:54

Instrument :

BNA_N

ClientSampleId :

Tot Ion: 70 Resp: 34136

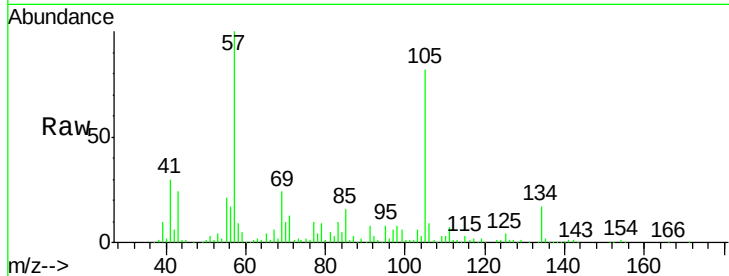
Ion Ratio Lower Upper

70 100

42 54.9 40.2 60.4

101 4.8 7.7 11.5#

130 0.0 17.8 26.6#

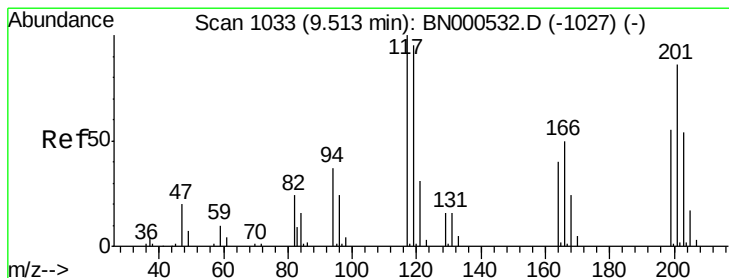
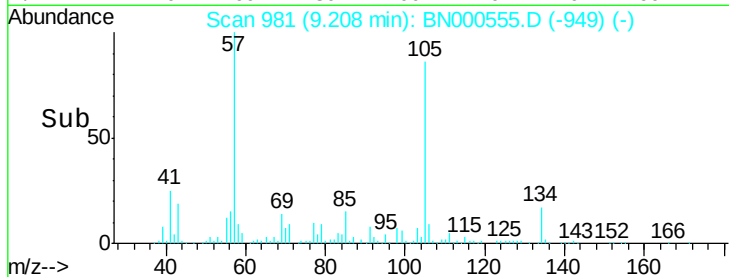
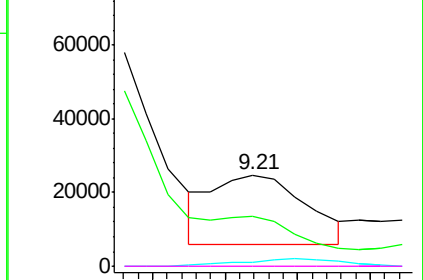


Abundance Ion 70.00 (69.70 to 70.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#17

Hexachloroethane

Concen: 28.891 ng/ul

RT: 9.53 min Scan# 1036

Delta R.T. 0.02 min

Lab File: BN000555.D

Acq: 22 Mar 2018 23:54

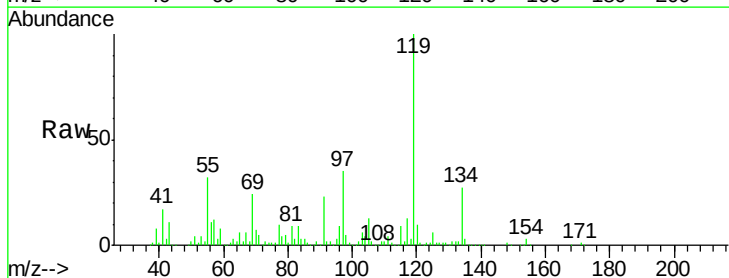
Tgt Ion: 117 Resp: 147150

Ion Ratio Lower Upper

117 100

201 0.0 96.1 144.1#

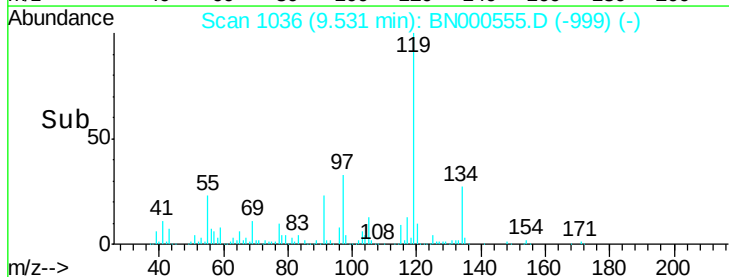
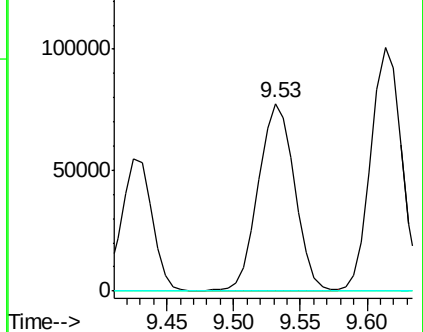
199 0.0 59.7 89.5#

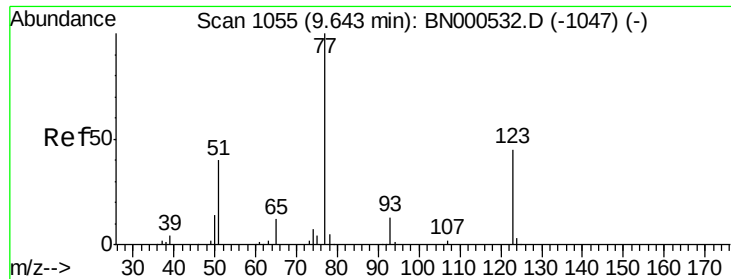


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

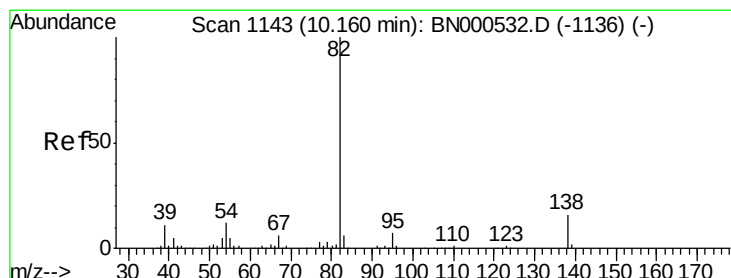
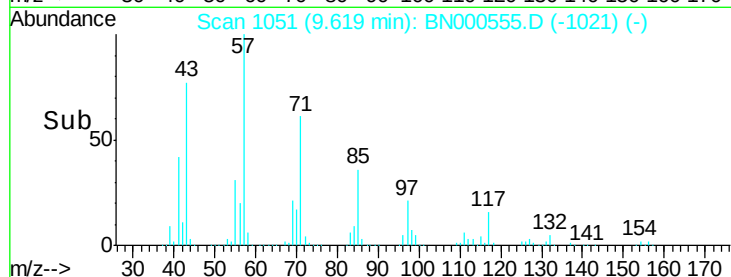
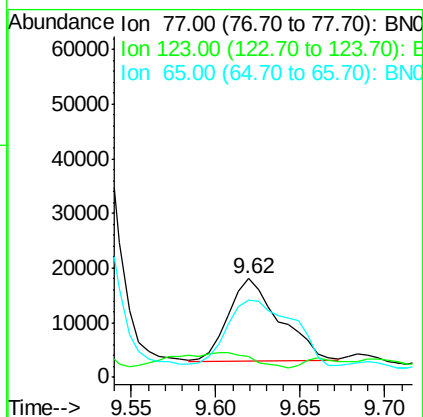
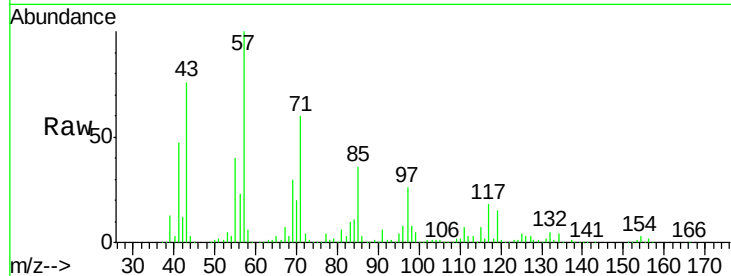




#20
Nitrobenzene
Concen: 2.510 ng/ul
RT: 9.62 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BN000555.D
Acq: 22 Mar 2018 23:54

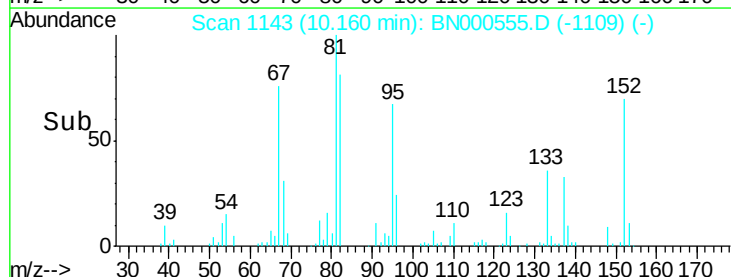
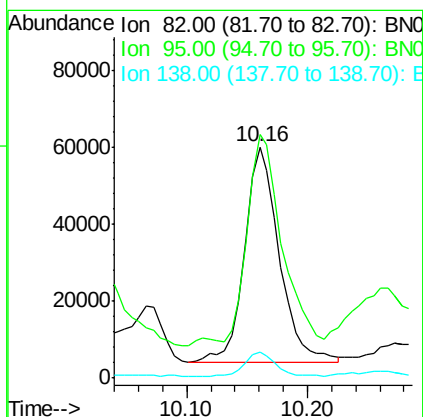
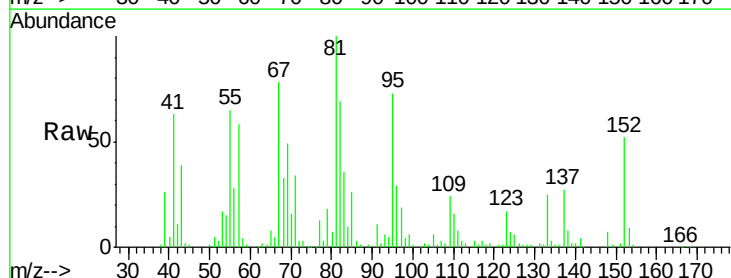
Instrument :
BNA_N
ClientSampleId :

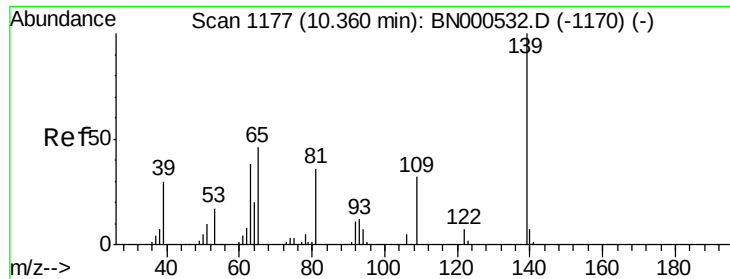
Tot Ion: 77 Resp: 32115
Ion Ratio Lower Upper
77 100
123 20.7 31.8 47.8#
65 77.8 10.6 16.0#



#21
Isophorone
Concen: 4.630 ng/ul
RT: 10.16 min Scan# 1143
Delta R.T. 0.00 min
Lab File: BN000555.D
Acq: 22 Mar 2018 23:54

Tgt Ion: 82 Resp: 112911
Ion Ratio Lower Upper
82 100
95 105.5 6.1 9.1#
138 11.4 13.5 20.3#

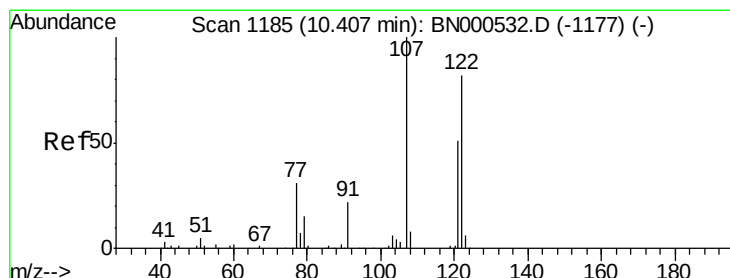
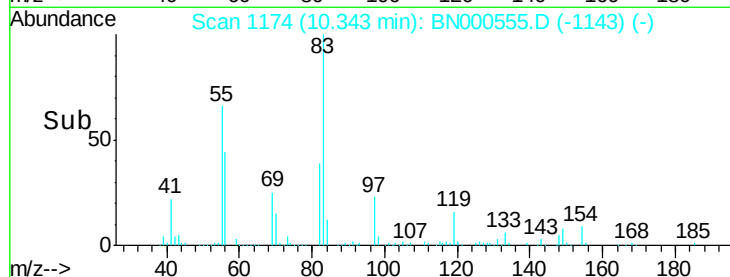
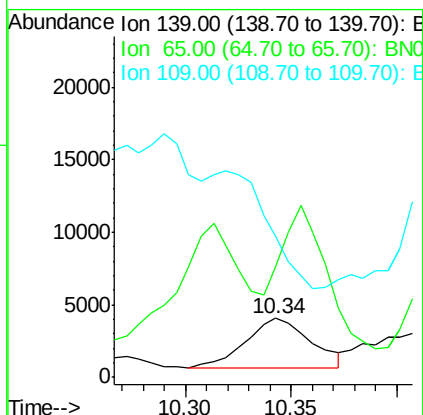
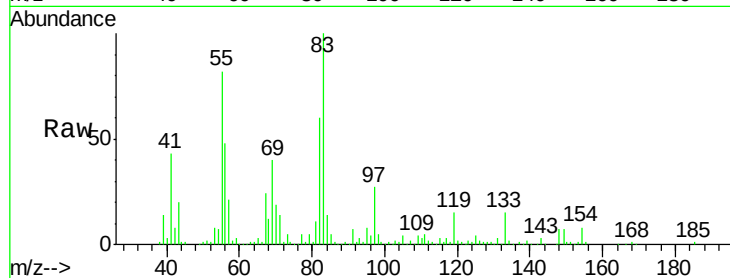




#23
2-Nitrophenol
Concen: 1.274 ng/ul
RT: 10.34 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BN000555.D
Acq: 22 Mar 2018 23:54

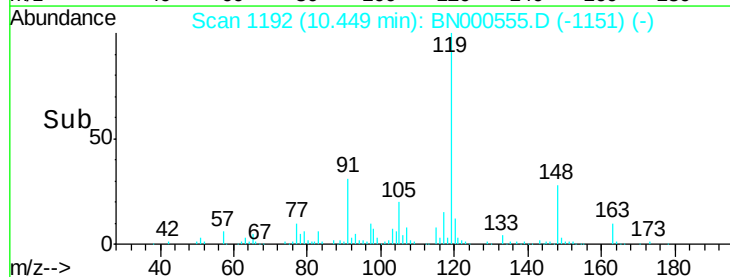
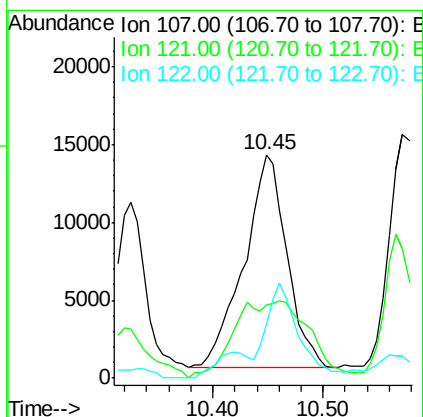
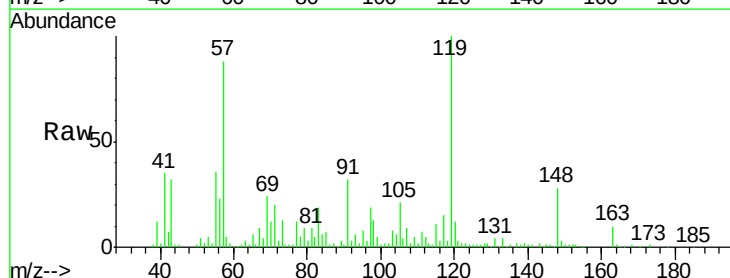
Instrument :
BNA_N
ClientSampled :

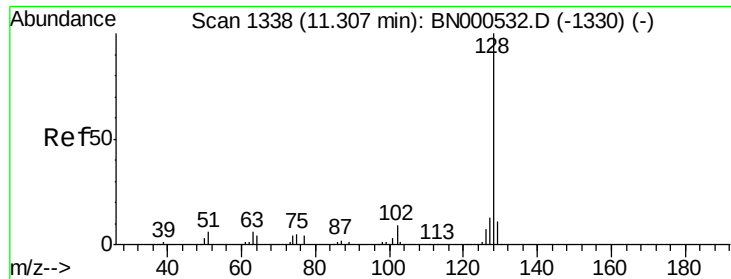
Tot Ion:139 Resp: 7354
Ion Ratio Lower Upper
139 100
65 187.8 45.3 67.9#
109 239.3 27.7 41.5#



#24
2,4-Dimethylphenol
Concen: 2.996 ng/ul
RT: 10.45 min Scan# 1192
Delta R.T. 0.04 min
Lab File: BN000555.D
Acq: 22 Mar 2018 23:54

Tgt Ion:107 Resp: 37264
Ion Ratio Lower Upper
107 100
121 32.8 38.1 57.1#
122 24.4 63.8 95.8#

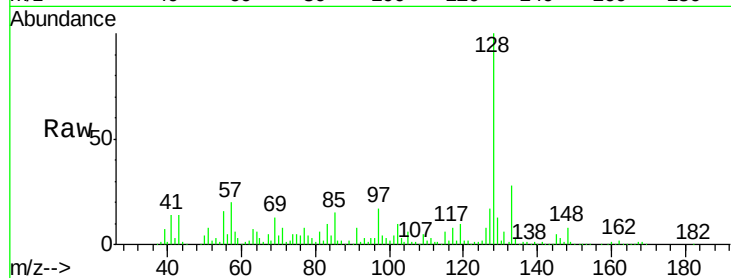




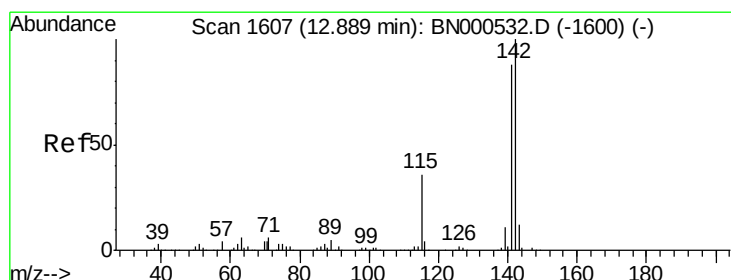
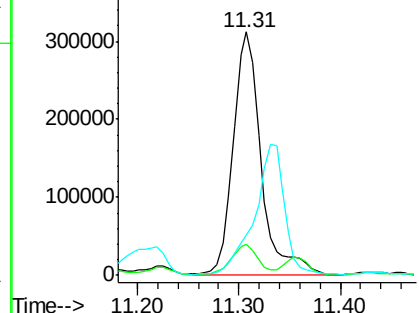
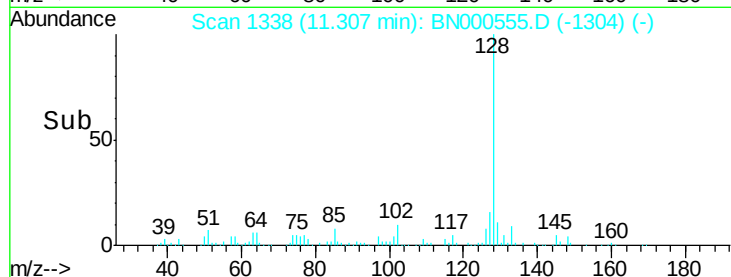
#28
Naphthalene
Concen: 17.676 ng/ul
RT: 11.31 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BN000555.D
Acq: 22 Mar 2018 23:54

Instrument :
BNA_N
ClientSampleId :

Tot Ion:128 Resp: 592275
Ion Ratio Lower Upper
128 100
129 12.6 8.3 12.5#
127 16.5 10.8 16.2#

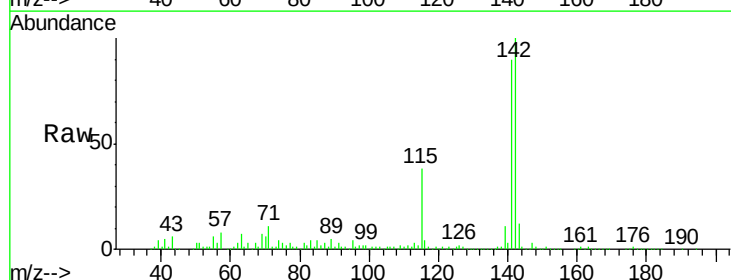


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

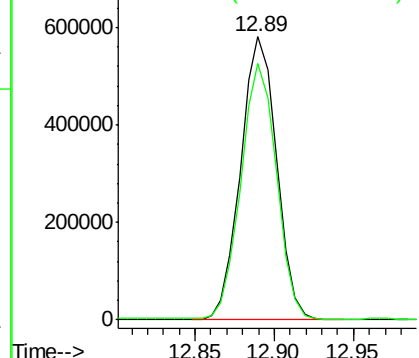
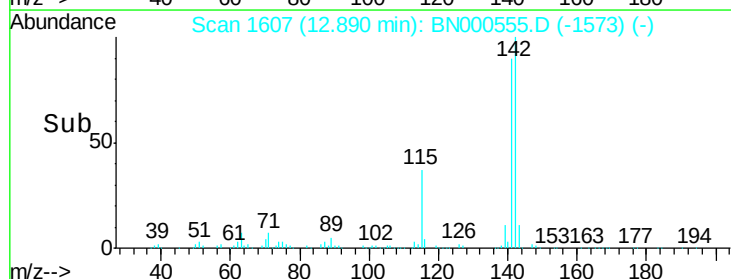


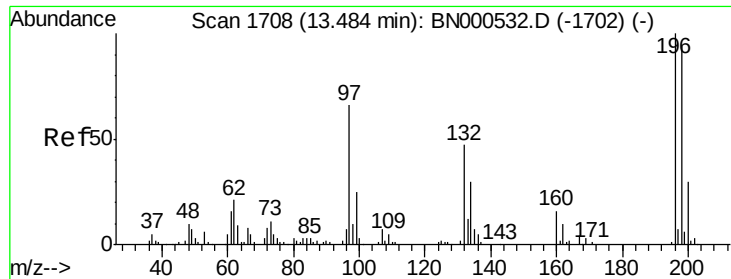
#34
2-Methylnaphthalene
Concen: 40.774 ng/ul
RT: 12.89 min Scan# 1607
Delta R.T. 0.00 min
Lab File: BN000555.D
Acq: 22 Mar 2018 23:54

Tgt Ion:142 Resp: 912166
Ion Ratio Lower Upper
142 100
141 90.4 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

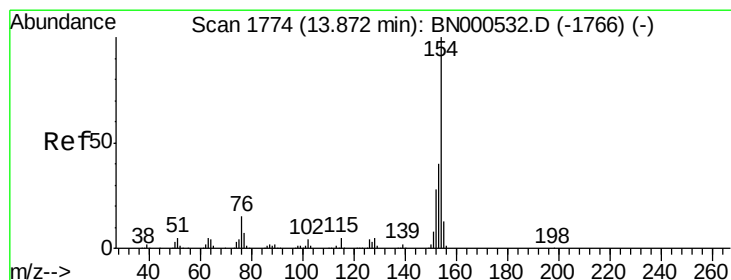
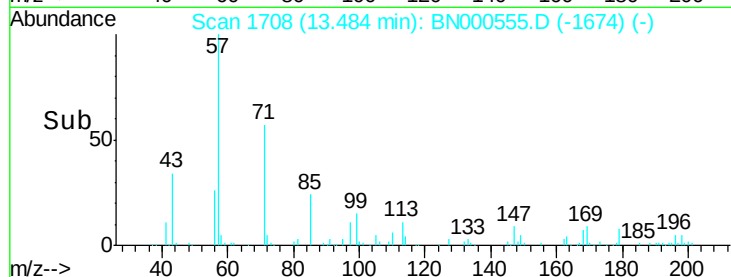
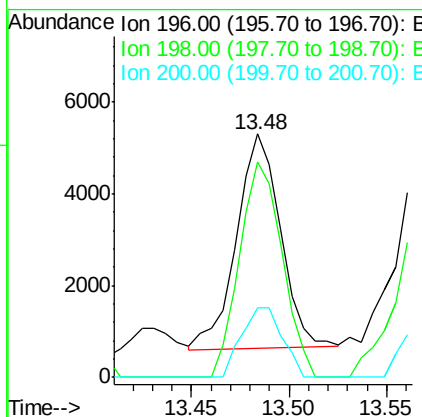
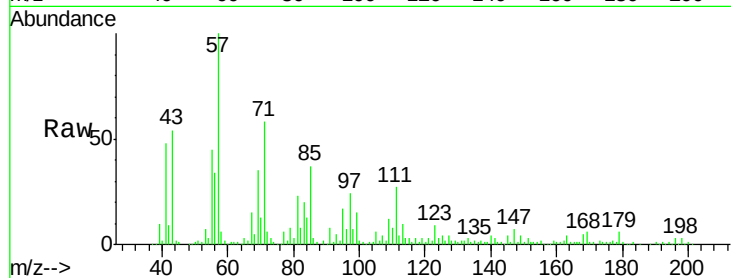




#38
 2,4,6-Trichlorophenol
 Concen: 1.239 ng/ul
 RT: 13.48 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: BN000555.D
 Acq: 22 Mar 2018 23:54

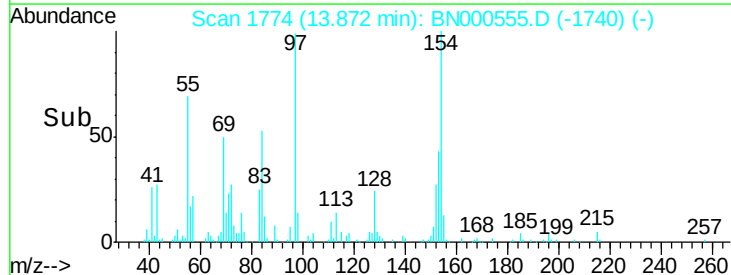
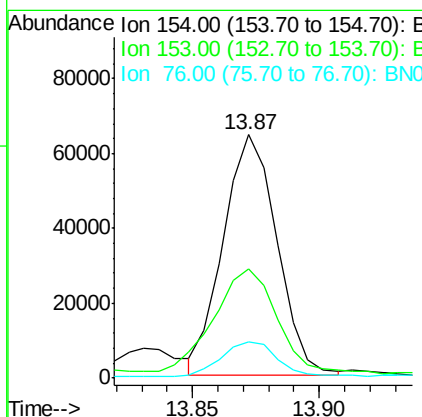
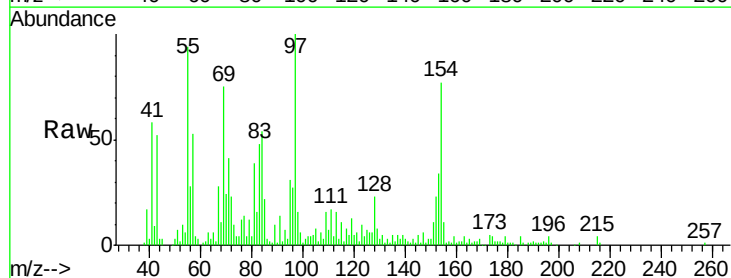
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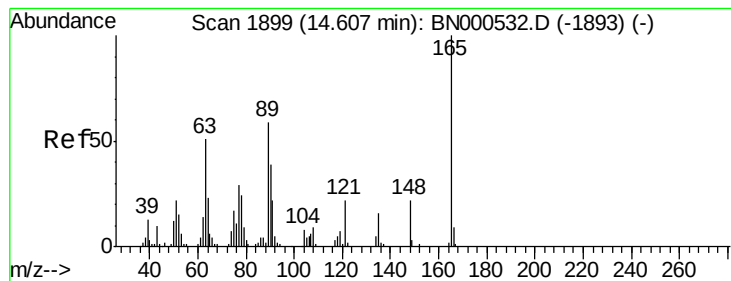
Tot Ion:196 Resp: 7321
 Ion Ratio Lower Upper
 196 100
 198 88.4 75.9 113.9
 200 28.4 25.8 38.6



#40
 1,1'-Biphenyl
 Concen: 3.856 ng/ul
 RT: 13.87 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: BN000555.D
 Acq: 22 Mar 2018 23:54

Tgt Ion:154 Resp: 95147
 Ion Ratio Lower Upper
 154 100
 153 44.7 34.0 51.0
 76 15.0 8.4 12.6#





#45

2,6-Dinitrotoluene

Concen: 6.982 ng/ul

RT: 14.64 min Scan# 1904

Delta R.T. 0.03 min

Lab File: BN000555.D

Acq: 22 Mar 2018 23:54

Instrument :

BNA_N

ClientSampleId :

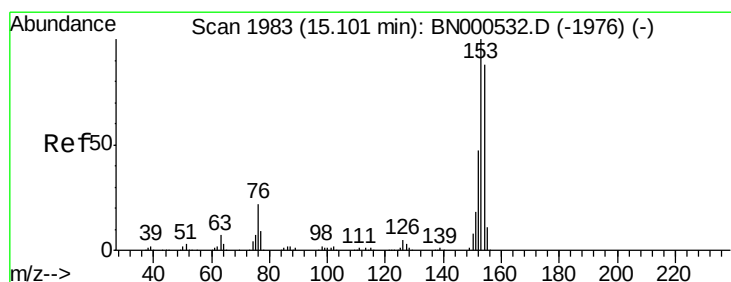
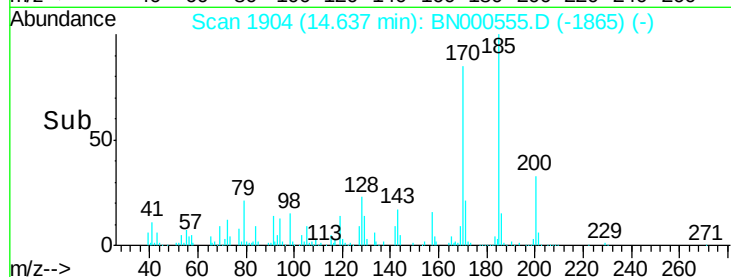
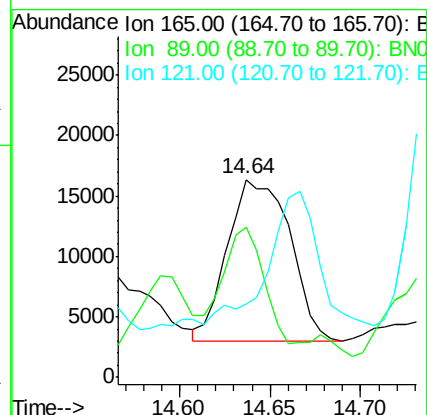
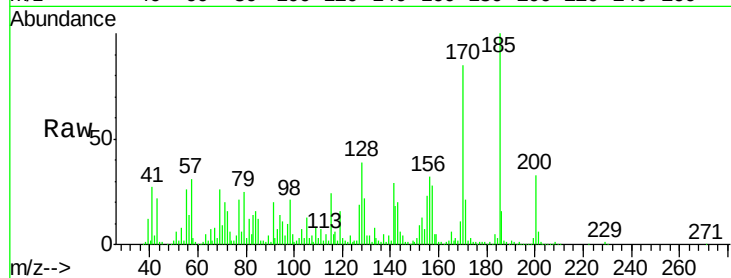
Tot Ion:165 Resp: 31869

Ion Ratio Lower Upper

165 100

89 75.6 43.8 65.8#

121 37.4 17.8 26.6#



#49

Acenaphthene

Concen: 2.414 ng/ul

RT: 15.10 min Scan# 1983

Delta R.T. 0.00 min

Lab File: BN000555.D

Acq: 22 Mar 2018 23:54

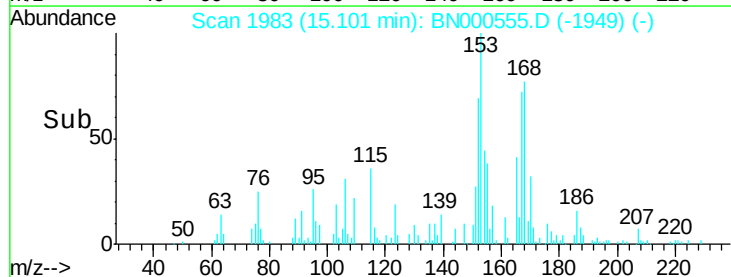
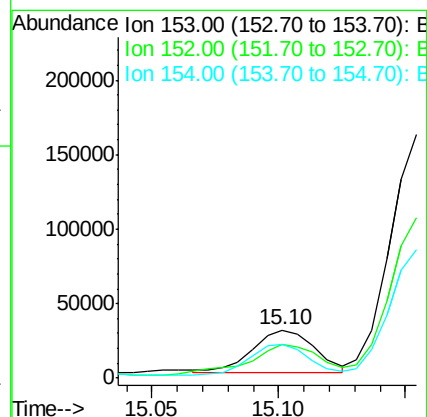
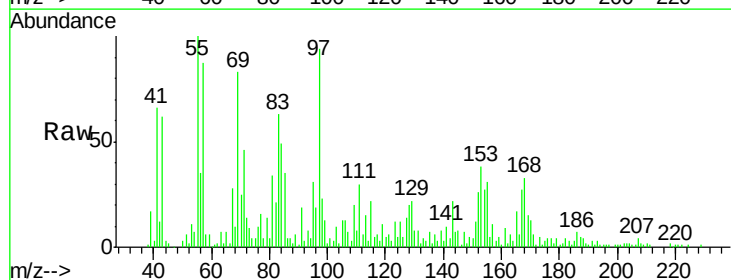
Tgt Ion:153 Resp: 48716

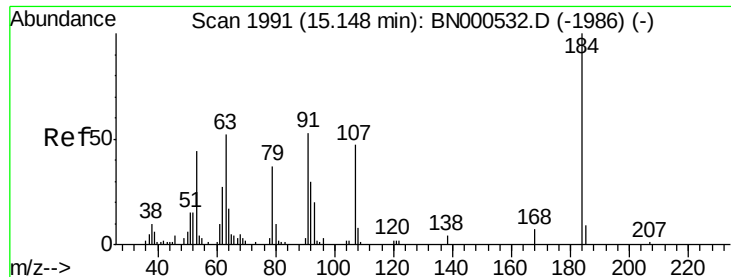
Ion Ratio Lower Upper

153 100

152 69.3 37.9 56.9#

154 70.1 69.8 104.6





#50

2,4-Dinitrophenol

Concen: 22.598 ng/ul

RT: 15.15 min Scan# 1992

Delta R.T. 0.01 min

Lab File: BN000555.D

Acq: 22 Mar 2018 23:54

Instrument :

BNA_N

ClientSampled :

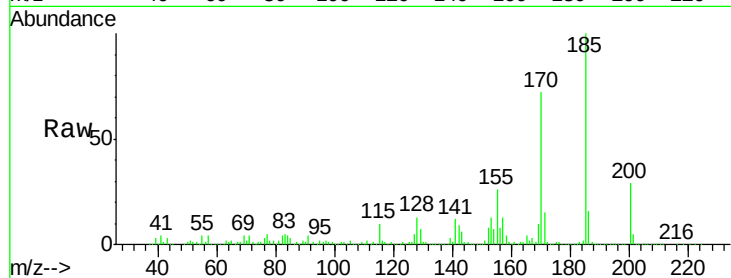
Tot Ion:184 Resp: 48665

Ion Ratio Lower Upper

184 100

63 83.0 39.7 59.5#

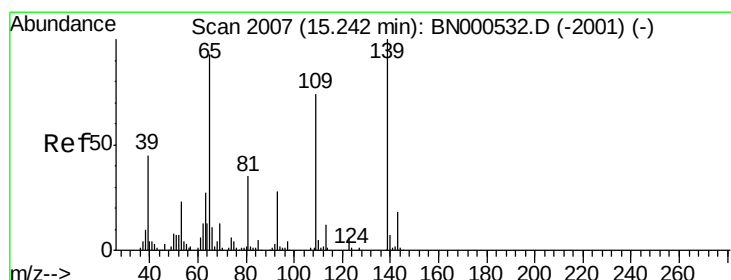
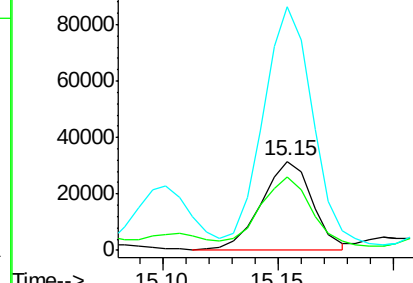
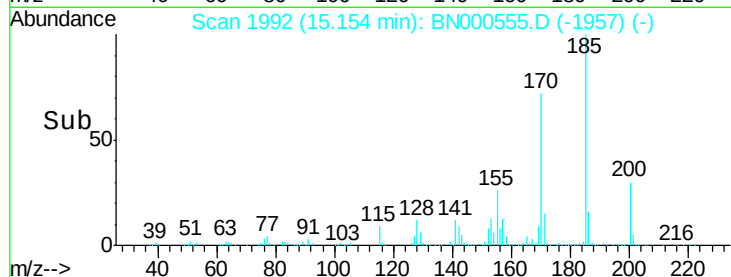
154 273.3 45.0 67.6#



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: 17.313 ng/ul

RT: 15.26 min Scan# 2010

Delta R.T. 0.02 min

Lab File: BN000555.D

Acq: 22 Mar 2018 23:54

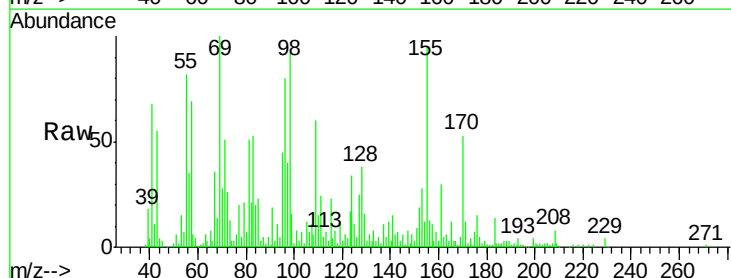
Tgt Ion:109 Resp: 56892

Ion Ratio Lower Upper

109 100

139 19.4 91.2 136.8#

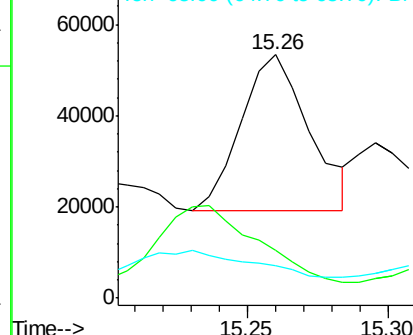
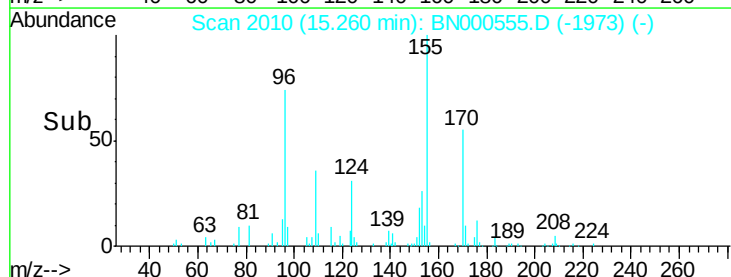
65 13.3 92.6 139.0#

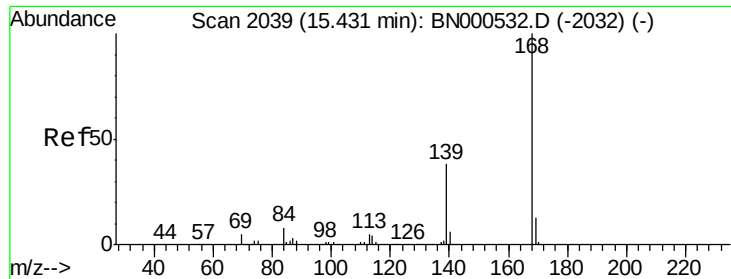


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNO





#53

Dibenzenofuran

Concen: 1.422 ng/ul

RT: 15.43 min Scan# 2039

Delta R.T. 0.00 min

Lab File: BN000555.D

Acq: 22 Mar 2018 23:54

Instrument :

BNA_N

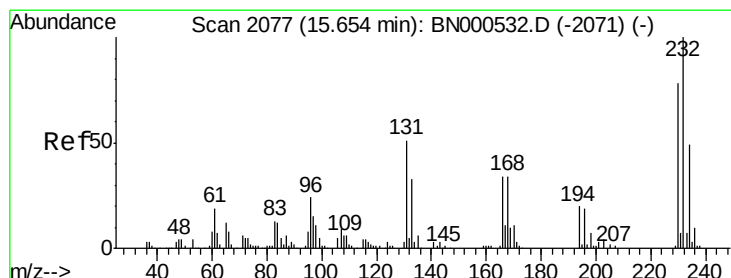
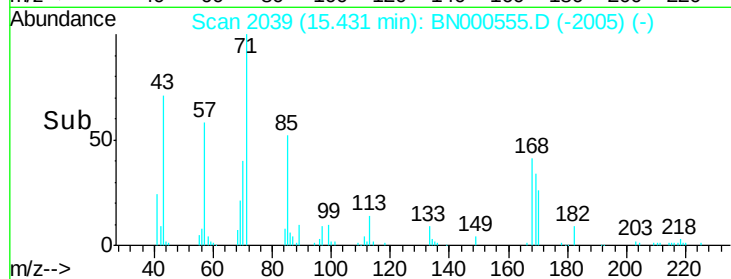
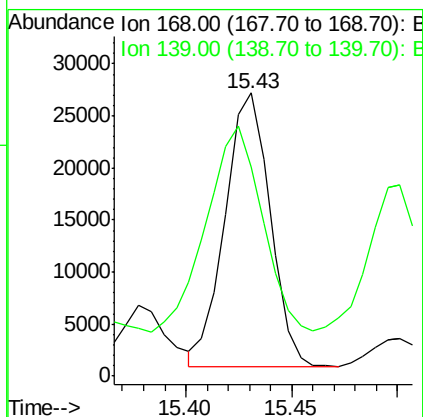
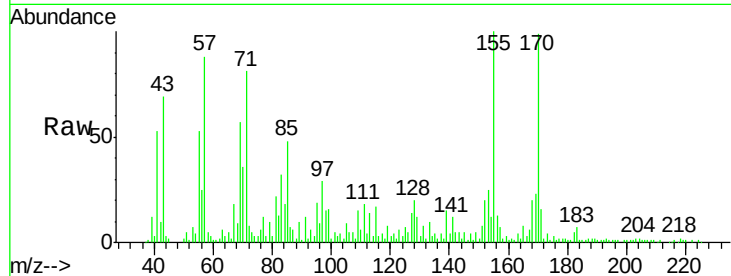
ClientSampleId :

Tot Ion:168 Resp: 38961

Ion Ratio Lower Upper

168 100

139 74.1 31.0 46.4#



#55

2,3,4,6-Tetrachlorophenol

Concen: 180.263 ng/ul

RT: 15.66 min Scan# 2078

Delta R.T. 0.01 min

Lab File: BN000555.D

Acq: 22 Mar 2018 23:54

Tgt Ion:232 Resp: 847854

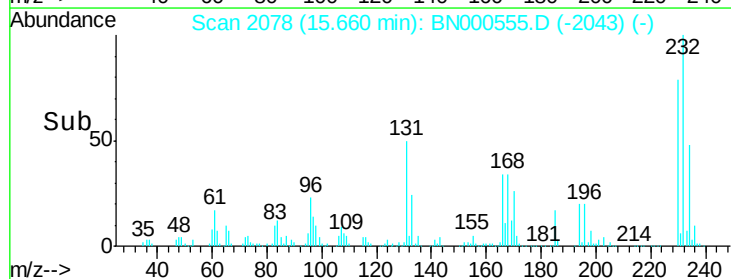
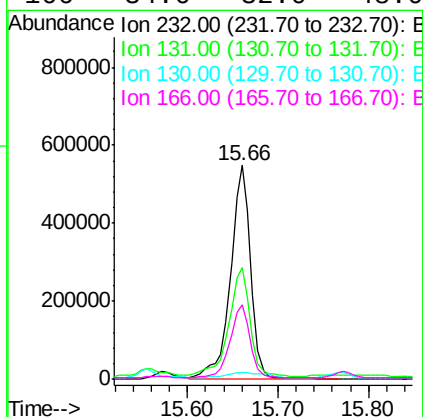
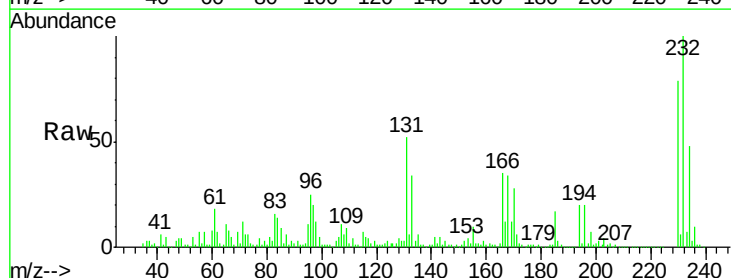
Ion Ratio Lower Upper

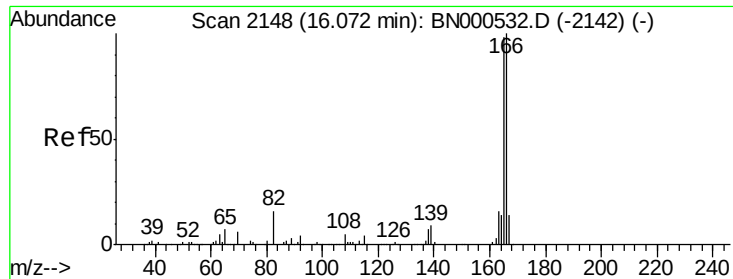
232 100

131 51.9 48.0 72.0

130 3.2 4.0 6.0#

166 34.6 32.0 48.0





#58

Fluorene

Concen: 4.062 ng/ul

RT: 16.08 min Scan# 2149

Delta R.T. 0.01 min

Lab File: BN000555.D

Acq: 22 Mar 2018 23:54

Instrument :

BNA_N

ClientSampled :

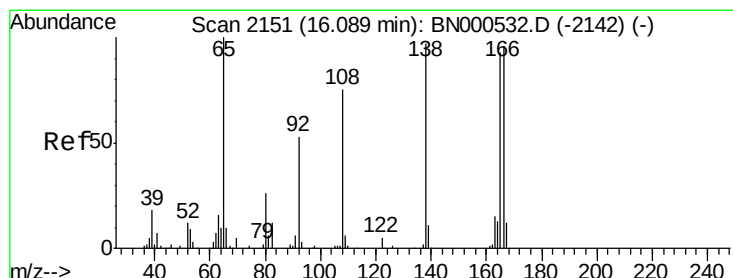
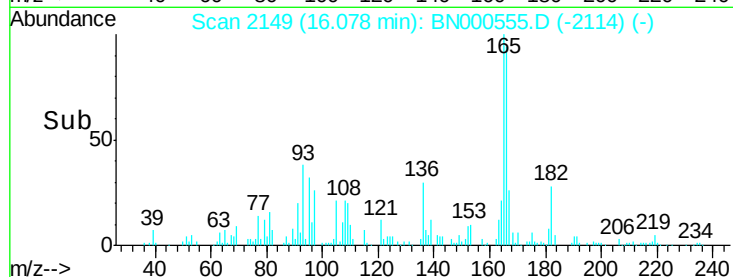
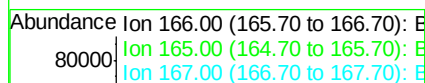
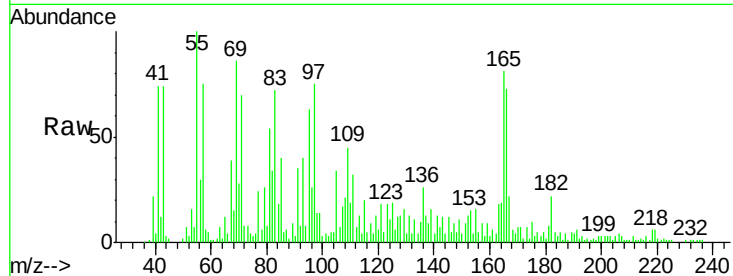
Tot Ion:166 Resp: 88473

Ion Ratio Lower Upper

166 100

165 111.1 78.4 117.6

167 29.8 11.1 16.7#



#60

4-Nitroaniline

Concen: 5.850 ng/ul

RT: 16.10 min Scan# 2152

Delta R.T. 0.01 min

Lab File: BN000555.D

Acq: 22 Mar 2018 23:54

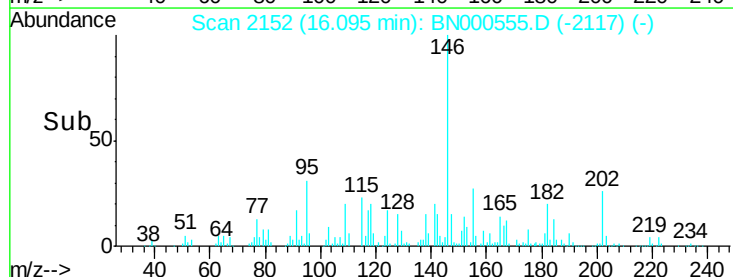
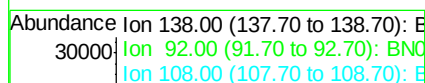
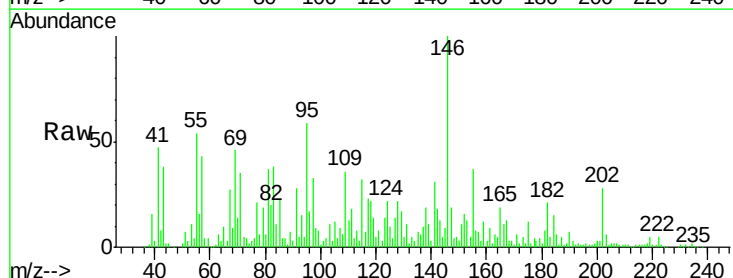
Tgt Ion:138 Resp: 28963

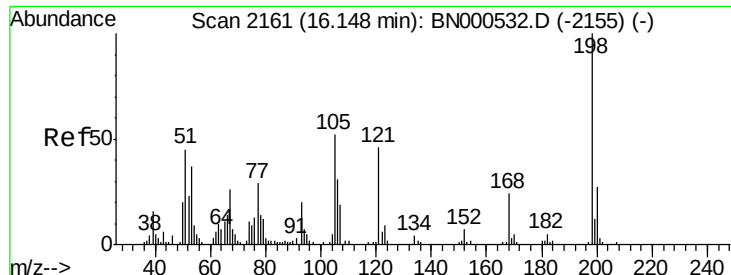
Ion Ratio Lower Upper

138 100

92 25.9 38.2 57.4#

108 33.1 70.0 105.0#

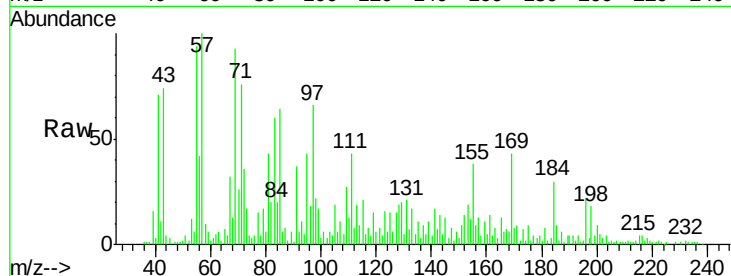




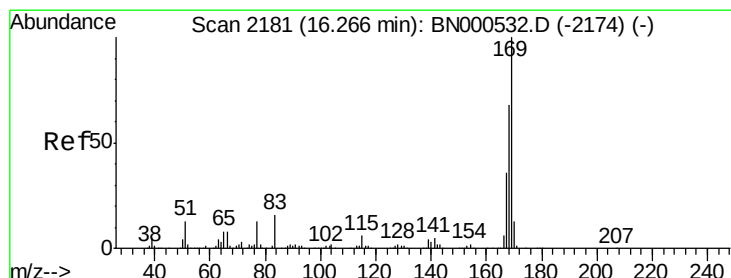
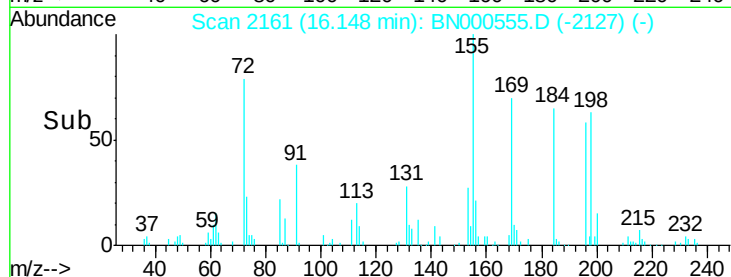
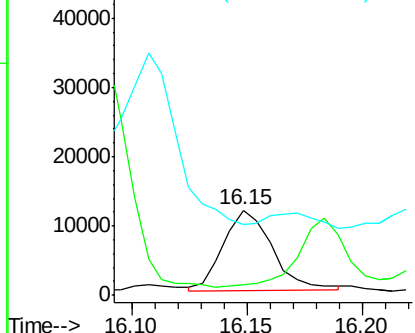
#63
 4,6-Dinitro-2-methylphenol
 Concen: 5.176 ng/ul
 RT: 16.15 min Scan# 2161
 Delta R.T. 0.00 min
 Lab File: BN000555.D
 Acq: 22 Mar 2018 23:54

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:198 Resp: 17397
 Ion Ratio Lower Upper
 198 100
 182 12.2 3.5 5.3#
 77 84.0 18.2 27.4#

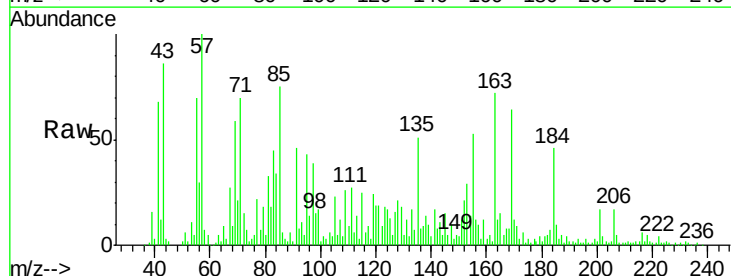


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): BNC

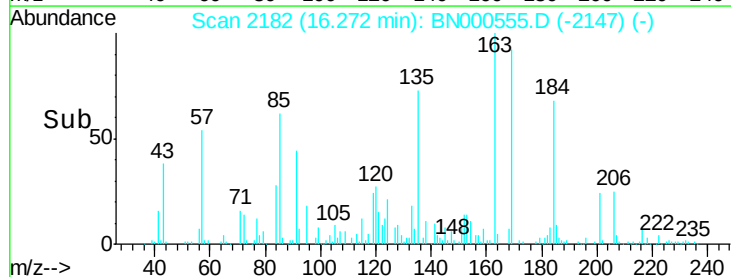
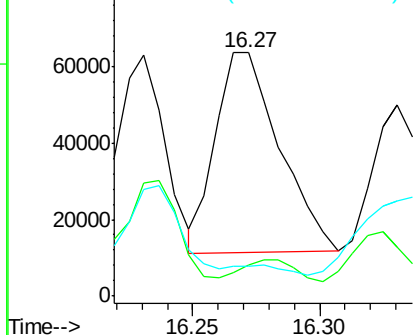


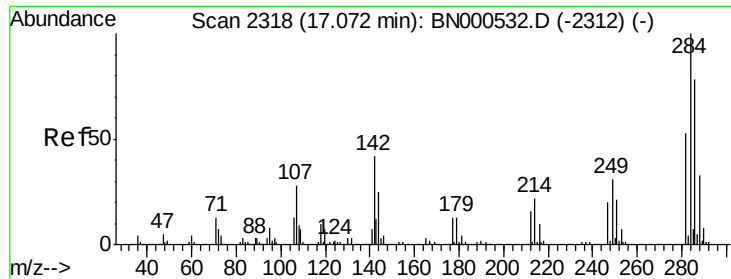
#64
 N-Nitrosodiphenylamine
 Concen: 5.007 ng/ul
 RT: 16.27 min Scan# 2182
 Delta R.T. 0.01 min
 Lab File: BN000555.D
 Acq: 22 Mar 2018 23:54

Tgt Ion:169 Resp: 91685
 Ion Ratio Lower Upper
 169 100
 168 12.9 53.8 80.8#
 167 12.4 29.5 44.3#



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

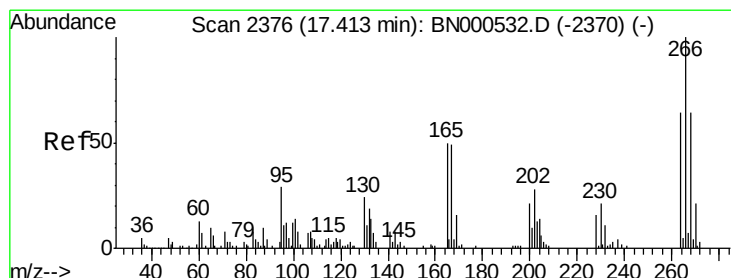
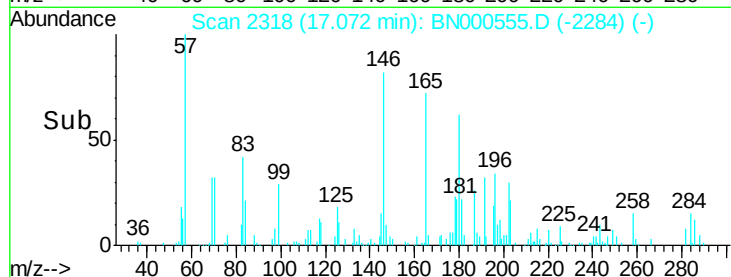
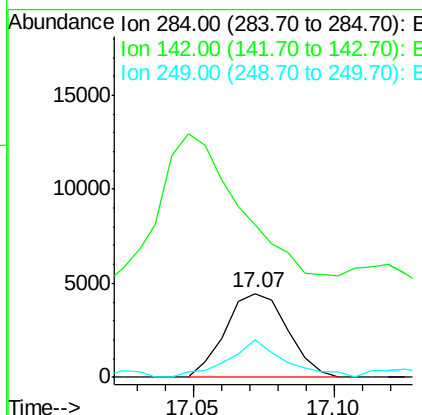
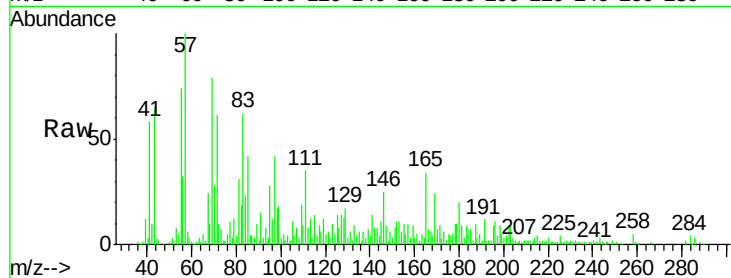




#66
Hexachlorobenzene
Concen: 1.139 ng/ul
RT: 17.07 min Scan# 2318
Delta R.T. 0.00 min
Lab File: BN000555.D
Acq: 22 Mar 2018 23:54

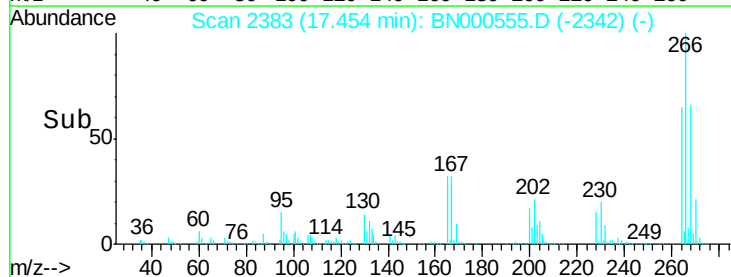
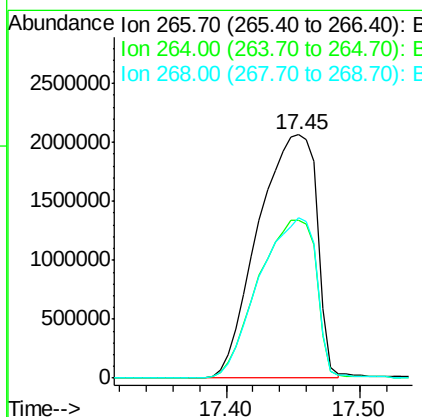
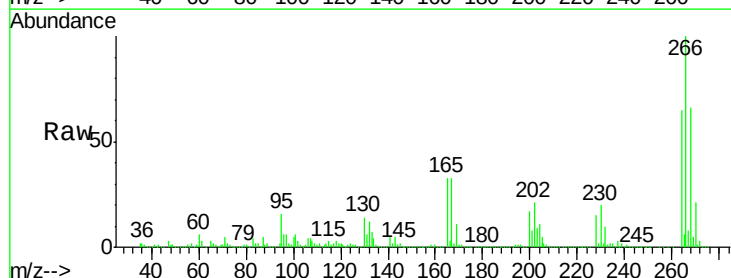
Instrument :
BNA_N
ClientSampleId :

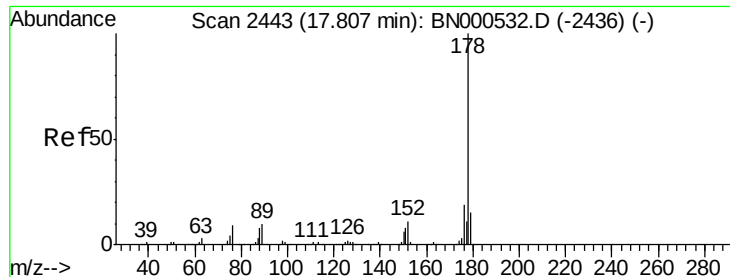
Tot Ion:284 Resp: 6816
Ion Ratio Lower Upper
284 100
142 181.3 21.3 31.9#
249 44.7 26.3 39.5#



#68
Pentachlorophenol
Concen: 1986.226 ng/ul
RT: 17.45 min Scan# 2383
Delta R.T. 0.04 min
Lab File: BN000555.D
Acq: 22 Mar 2018 23:54

Tgt Ion:266 Resp: 6273254
Ion Ratio Lower Upper
266 100
264 64.9 48.2 72.4
268 65.8 52.3 78.5





#69

Phenanthrene

Concen: 10.433 ng/ul

RT: 17.81 min Scan# 2444

Delta R.T. 0.01 min

Lab File: BN000555.D

Acq: 22 Mar 2018 23:54

Instrument :

BNA_N

ClientSampleId :

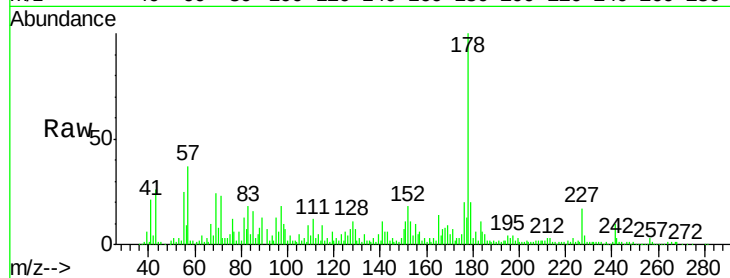
Tot Ion:178 Resp: 334084

Ion Ratio Lower Upper

178 100

179 19.5 12.3 18.5#

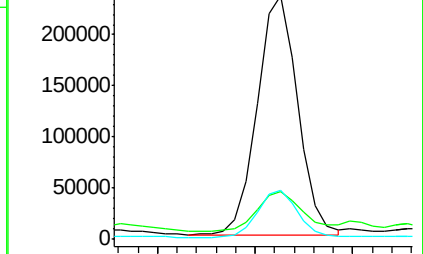
176 20.2 15.4 23.0



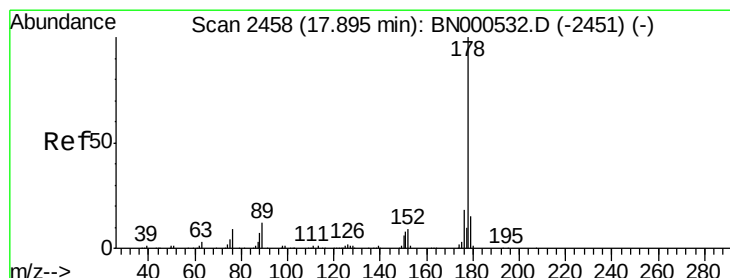
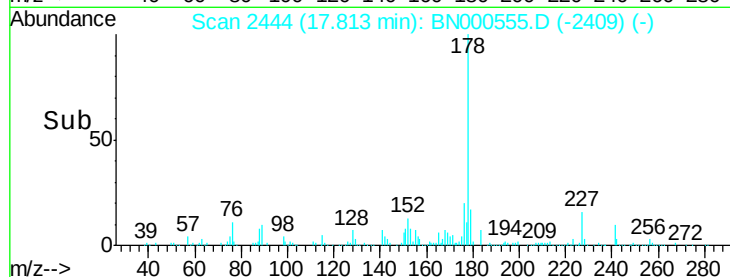
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#71

Anthracene

Concen: 10.174 ng/ul

RT: 17.81 min Scan# 2444

Delta R.T. -0.08 min

Lab File: BN000555.D

Acq: 22 Mar 2018 23:54

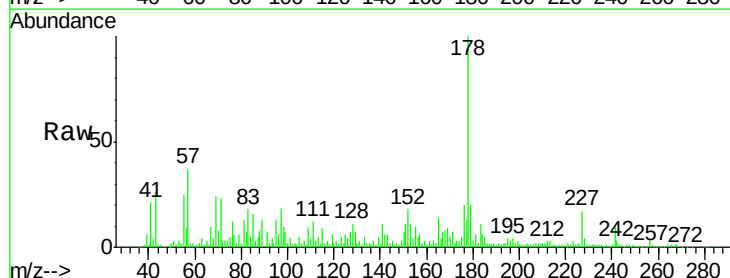
Tgt Ion:178 Resp: 334084

Ion Ratio Lower Upper

178 100

179 19.5 13.4 20.2

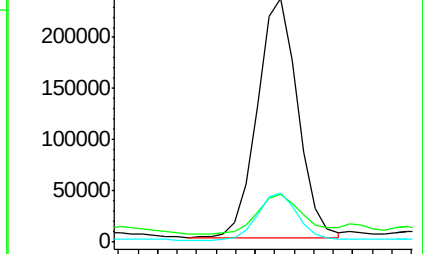
176 20.2 15.4 23.0



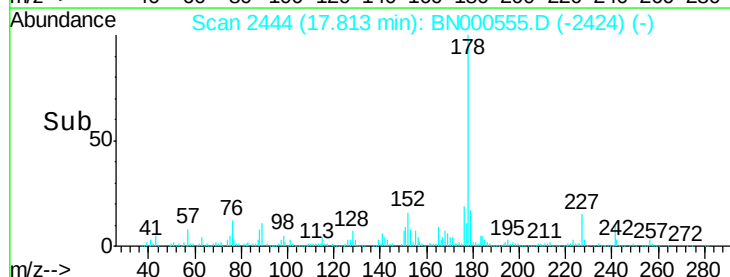
Abundance Ion 178.00 (177.70 to 178.70): E

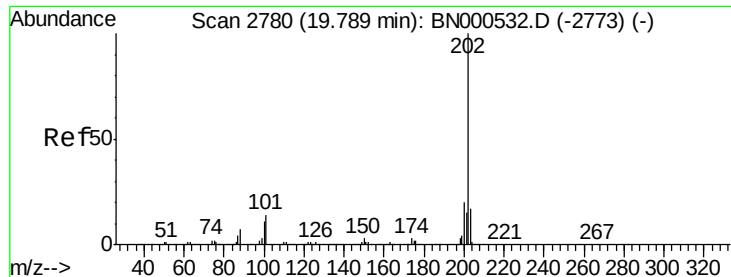
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#74

Fluoranthene

Concen: 3.081 ng/ul

RT: 19.78 min Scan# 2779

Delta R.T. -0.01 min

Lab File: BN000555.D

Acq: 22 Mar 2018 23:54

Instrument :

BNA_N

ClientSampleId :

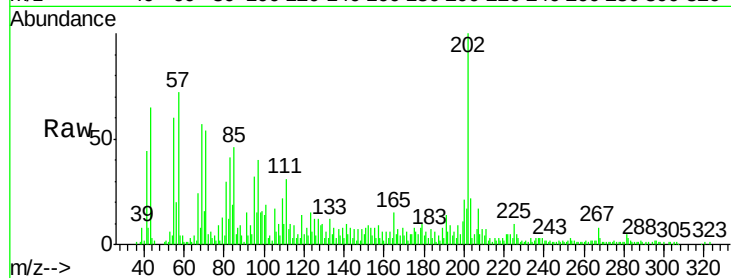
Tot Ion:202 Resp: 98056

Ion Ratio Lower Upper

202 100

101 19.2 6.1 9.1#

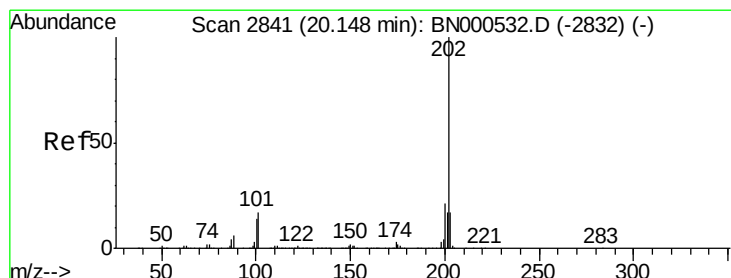
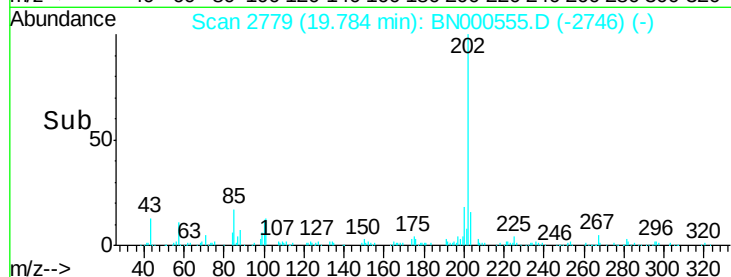
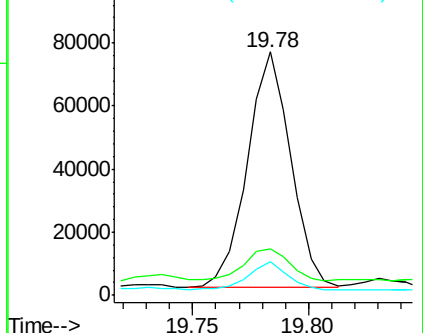
100 13.9 4.6 7.0#



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: 2.658 ng/ul

RT: 20.14 min Scan# 2840

Delta R.T. -0.01 min

Lab File: BN000555.D

Acq: 22 Mar 2018 23:54

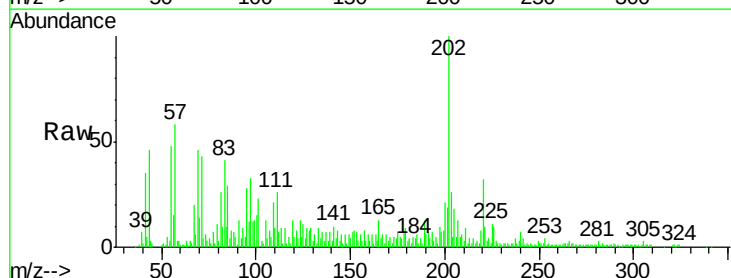
Tgt Ion:202 Resp: 100220

Ion Ratio Lower Upper

202 100

101 22.5 6.9 10.3#

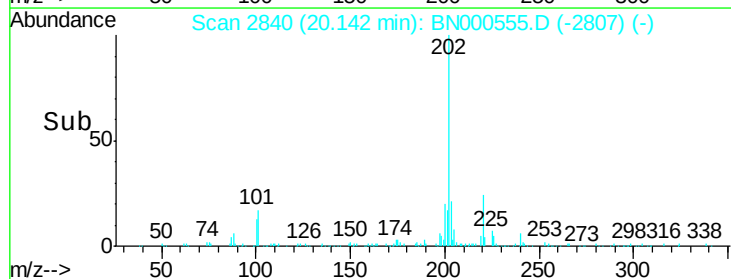
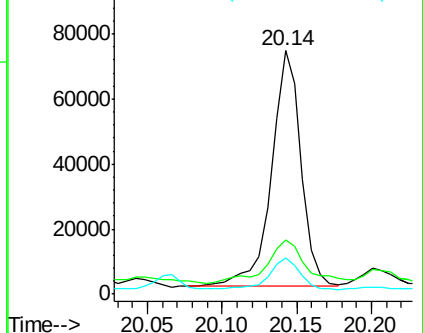
100 14.8 5.6 8.4#

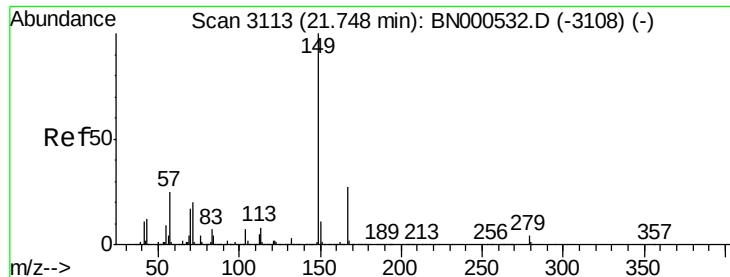


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#81

Bis(2-ethylhexyl)phthalate

Concen: 2.597 ng/ul

RT: 21.74 min Scan# 3112

Delta R.T. -0.01 min

Lab File: BN000555.D

Acq: 22 Mar 2018 23:54

Instrument :

BNA_N

ClientSampleId :

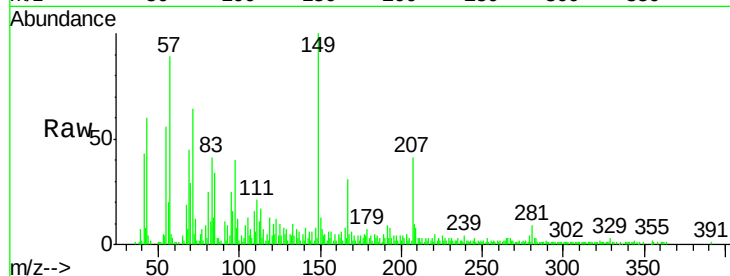
Tot Ion:149 Resp: 70618

Ion Ratio Lower Upper

149 100

167 30.8 23.0 34.6

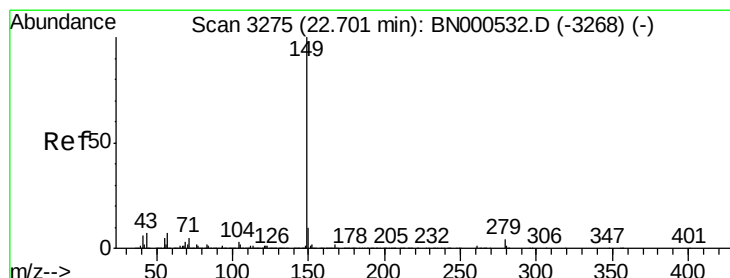
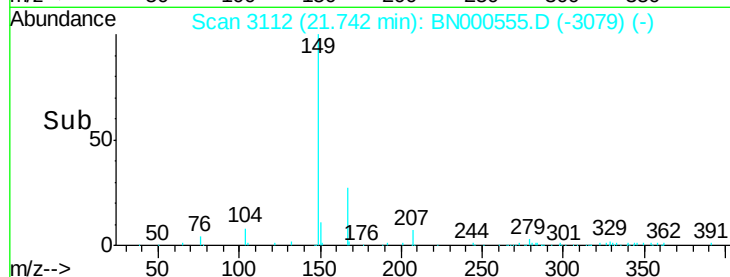
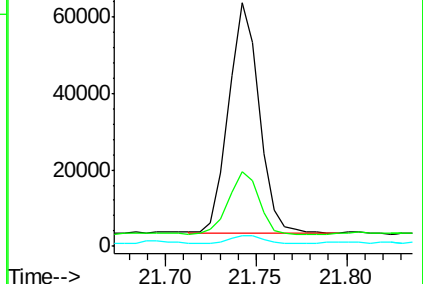
279 4.2 4.3 6.5#



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: 2.028 ng/ul

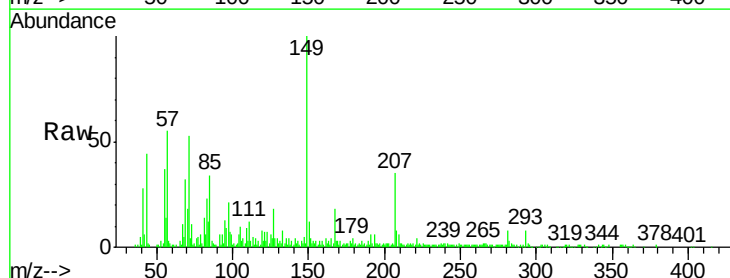
RT: 22.70 min Scan# 3274

Delta R.T. -0.01 min

Lab File: BN000555.D

Acq: 22 Mar 2018 23:54

Tgt Ion:149 Resp: 91006



Abundance Ion 149.00 (148.70 to 149.70): E

