

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032218\
 Data File : BN000558.D
 Acq On : 23 Mar 2018 01:37
 Operator : JU/SJ
 Sample : J1905-08DL 50X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampled :

Quant Time: Mar 23 02:31:10 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	163039	20.00	ng/ul	0.00
18) Naphthalene-d8	11.26	136	669072	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.04	164	351911	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.78	188	677030	20.00	ng/ul	0.02
75) Chrysene-d12	21.88	240	512180	20.00	ng/ul	0.00
83) Perylene-d12	24.36	264	487203	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	1972	0.43	ng/uL	0.00
5) Phenol-d5	7.60	99	33561	2.21	ng/ul	0.04
7) Bis-(2-Chloroethyl)ether-d	7.72	67	70709	8.06	ng/ul	0.00
9) 2-Chlorophenol-d4	7.95	132	71895	6.25	ng/ul	0.01
13) 4-Methylphenol-d8	9.14	113	56675	4.78	ng/ul	0.01
19) Nitrobenzene-d5	9.60	128	48348	8.90	ng/ul	0.00
22) 2-Nitrophenol-d4	10.33	143	44779	7.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.88	165	74991	7.43	ng/ul	0.01
29) 4-Chloroaniline-d4	11.35	131	84732	8.18	ng/ul	-0.03
43) Dimethylphthalate-d6	14.42	166	212770	7.65	ng/ul	0.00
46) Acenaphthylene-d8	14.74	160	272387	7.43	ng/ul	0.00
51) 4-Nitrophenol-d4	15.23	143	16392	3.18	ng/ul	0.00
57) Fluorene-d10	16.02	176	178001	7.51	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.15	200	56233	14.50	ng/ul	0.02
70) Anthracene-d10	17.88	188	234698	7.21	ng/ul	0.02
76) Pyrene-d10	20.12	212	214833	7.60	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.20	264	109450	4.76	ng/ul	-0.01

Target Compounds

					Ovalue	
4) Benzaldehyde	7.53	77	56137	9.052	ng/ul#	1
6) Phenol	7.63	94	20048	1.292	ng/ul#	30
14) Acetophenone	9.37	105	79615	4.520	ng/ul	89
17) Hexachloroethane	9.53	117	88775	18.119	ng/ul#	1
20) Nitrobenzene	9.62	77	19491	1.453	ng/ul#	27
21) Isophorone	10.17	82	467200	18.271	ng/ul#	89
24) 2,4-Dimethylphenol	10.45	107	26661	2.044	ng/ul#	60
27) 2,4-Dichlorophenol	10.91	162	13064	1.334	ng/ul#	22
28) Naphthalene	11.31	128	334589	9.523	ng/ul#	94
32) Caprolactam	12.17	113	7082	1.978	ng/ul#	1
33) 4-Chloro-3-methylphenol	12.53	107	24045	2.088	ng/ul#	26
34) 2-Methylnaphthalene	12.89	142	403286	17.192	ng/ul	99
38) 2,4,6-Trichlorophenol	13.49	196	40628	5.665	ng/ul	98
39) 2,4,5-Trichlorophenol	13.57	196	47901	6.406	ng/ul	99
40) 1,1'-Biphenyl	13.87	154	36929	1.233	ng/ul#	76
50) 2,4-Dinitrophenol	15.15	184	29459	11.268	ng/ul#	1
52) 4-Nitrophenol	15.27	109	45367	11.372	ng/ul#	9
55) 2,3,4,6-Tetrachlorophenol	15.68	232	3346611	586.087	ng/ul#	80
58) Fluorene	16.08	166	32191	1.217	ng/ul#	79
60) 4-Nitroaniline	16.10	138	20299	3.377	ng/ul#	78
63) 4,6-Dinitro-2-methylphenol	16.15	198	153300	37.450	ng/ul#	76
64) N-Nitrosodiphenylamine	16.27	169	51516	2.310	ng/ul#	42
68) Pentachlorophenol	17.46	266	6756859	1756.469	ng/ul	96

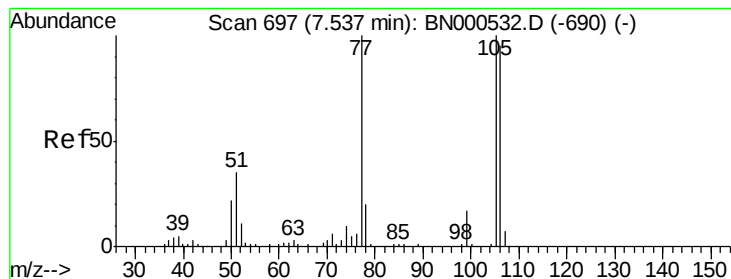
Data Path : Z:\HPCHEM1\BNA N\DATA\BN032218\
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 23 02:22:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Phenanthrene	17.82	178	80157	2.055	ng/ul#	85
81) Bis(2-ethylhexyl)phthalate	21.74	149	74404	2.758	ng/ul	100
84) Di-n-octyl phthalate	22.69	149	47732	1.164	ng/ul	100

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



#4

Benzaldehyde

Concen: 9.052 ng/ul

RT: 7.53 min Scan# 696

Delta R.T. -0.01 min

Lab File: BN000558.D

Acq: 23 Mar 2018 01:37

Instrument :

BNA_N

ClientSampled :

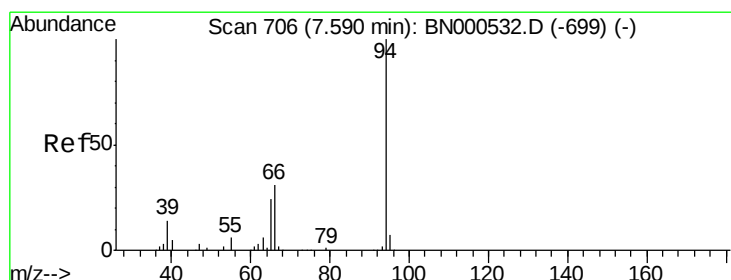
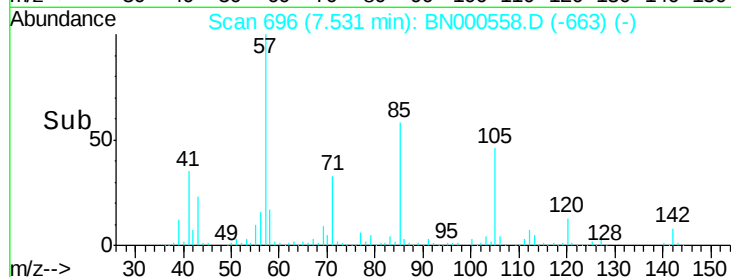
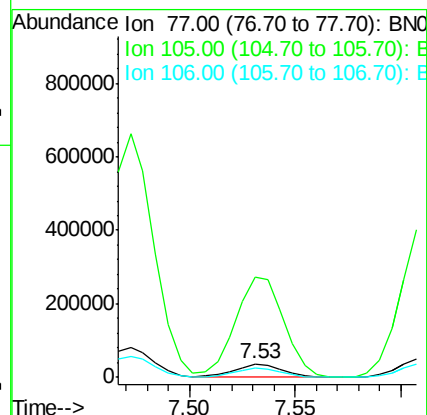
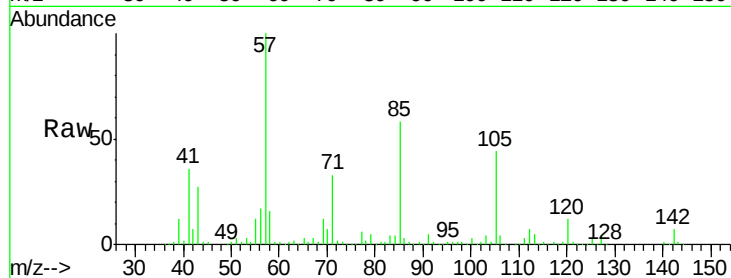
Tot Ion: 77 Resp: 56137

Ion Ratio Lower Upper

77 100

105 751.9 71.0 106.6#

106 68.8 69.5 104.3#



#6

Phenol

Concen: 1.292 ng/ul

RT: 7.63 min Scan# 712

Delta R.T. 0.04 min

Lab File: BN000558.D

Acq: 23 Mar 2018 01:37

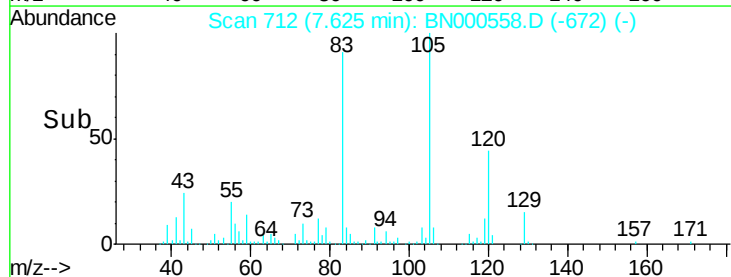
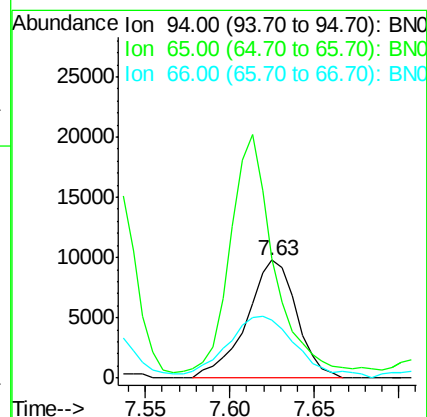
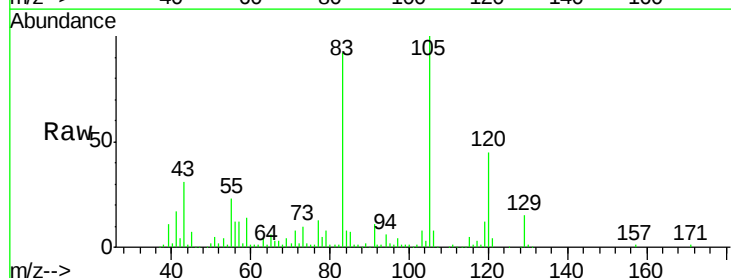
Tgt Ion: 94 Resp: 20048

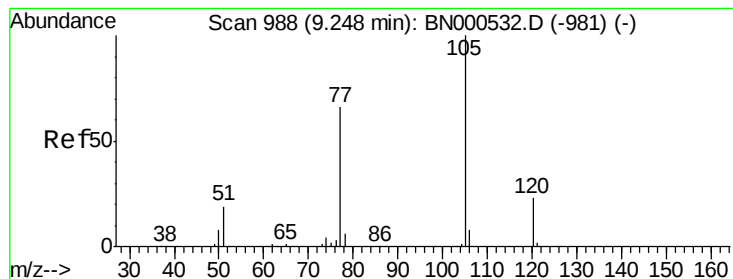
Ion Ratio Lower Upper

94 100

65 101.7 23.0 34.6#

66 49.4 30.4 45.6#





#14

Acetophenone

Concen: 4.520 ng/ul

RT: 9.37 min Scan# 1009

Delta R.T. 0.12 min

Lab File: BN000558.D

Acq: 23 Mar 2018 01:37

Instrument :

BNA_N

ClientSampleId :

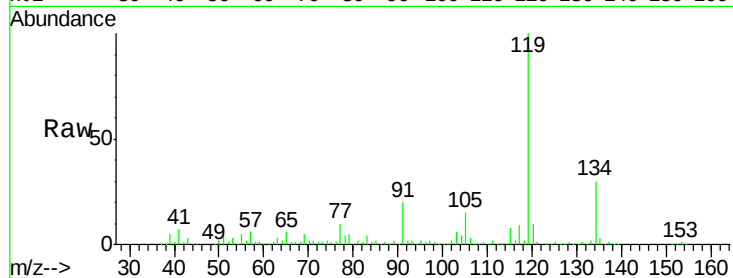
Tot Ion:105 Resp: 79615

Ion Ratio Lower Upper

105 100

77 69.1 63.2 94.8

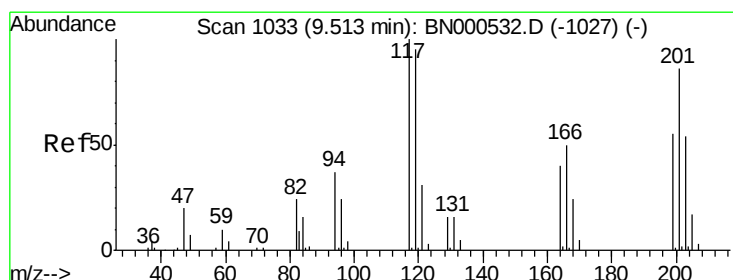
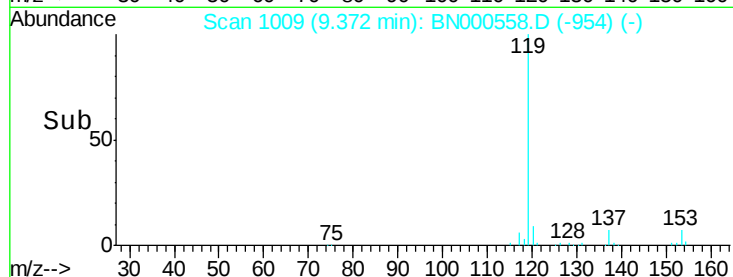
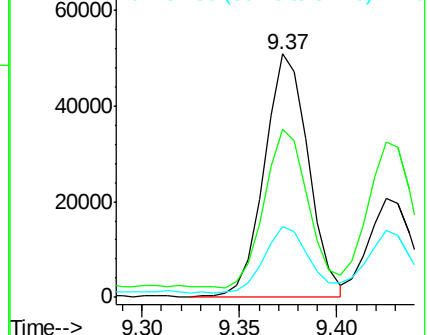
51 29.3 19.8 29.8



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 51.00 (50.70 to 51.70): BNC



#17

Hexachloroethane

Concen: 18.119 ng/ul

RT: 9.53 min Scan# 1036

Delta R.T. 0.02 min

Lab File: BN000558.D

Acq: 23 Mar 2018 01:37

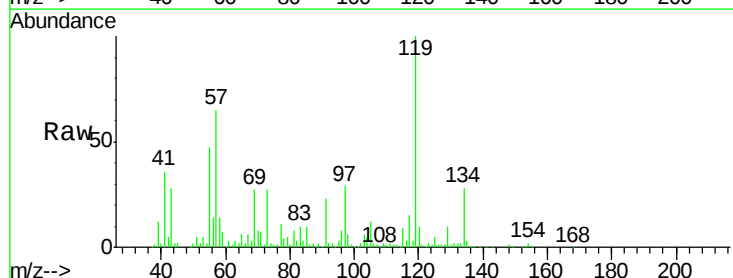
Tgt Ion:117 Resp: 88775

Ion Ratio Lower Upper

117 100

201 0.0 96.1 144.1#

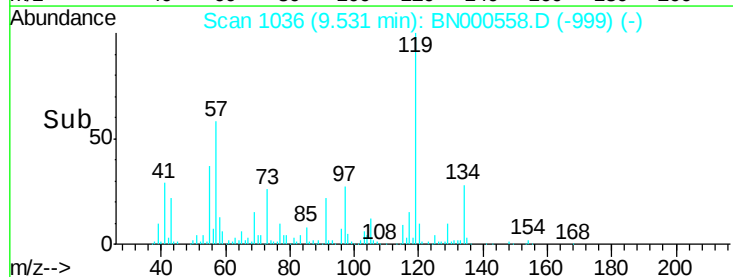
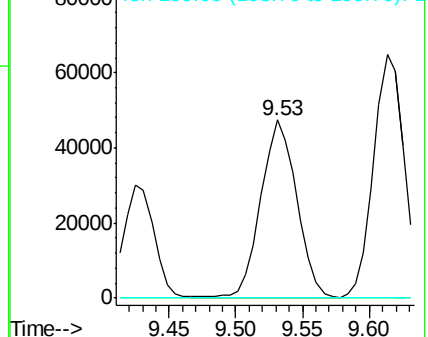
199 0.0 59.7 89.5#

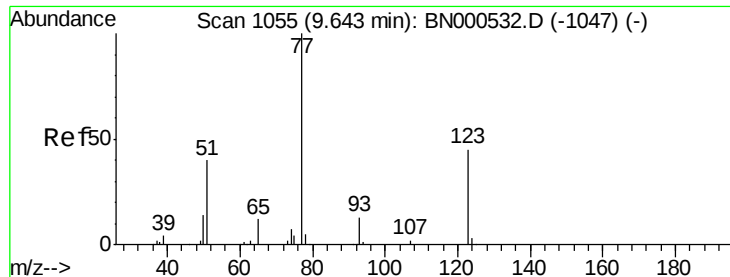


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

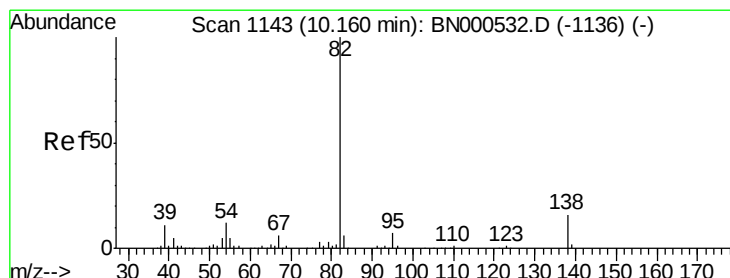
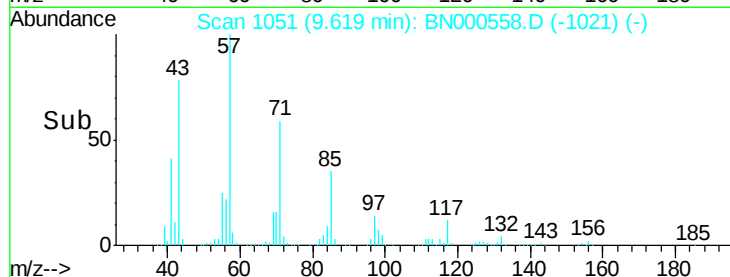
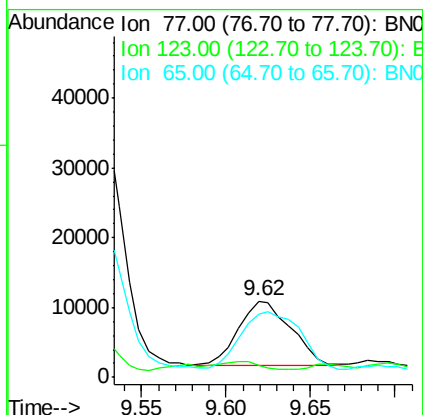
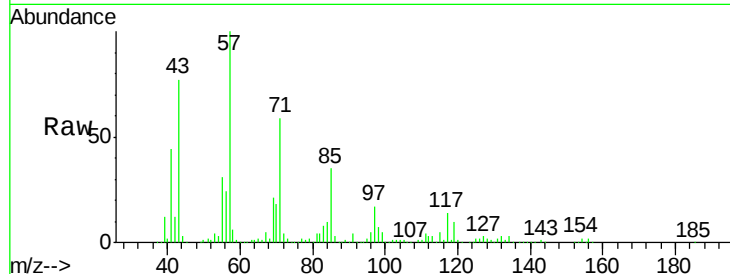




#20
Nitrobenzene
Concen: 1.453 ng/ul
RT: 9.62 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BN000558.D
Acq: 23 Mar 2018 01:37

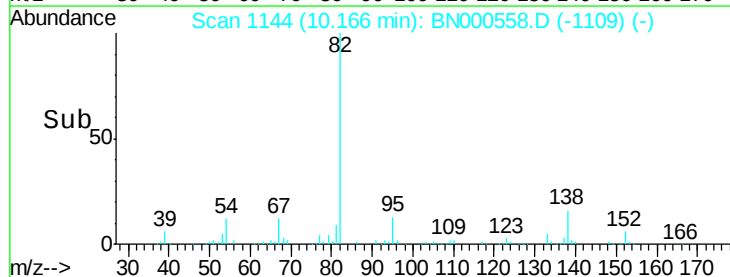
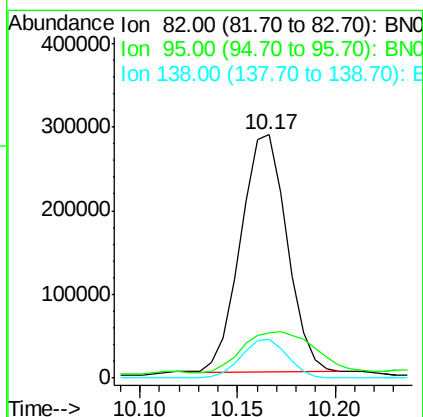
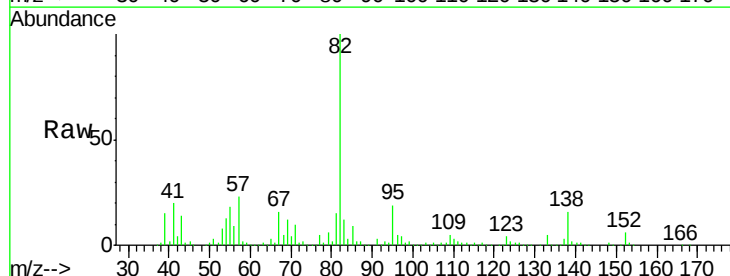
Instrument :
BNA_N
ClientSampled :

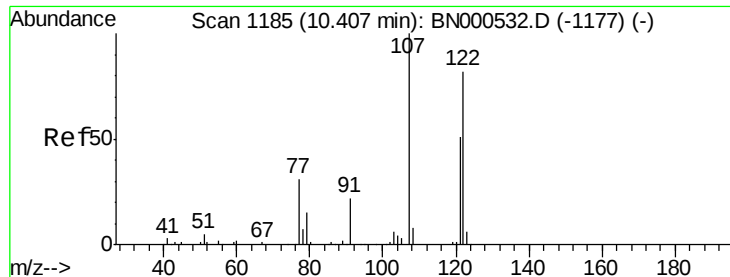
Tot Ion: 77 Resp: 19491
Ion Ratio Lower Upper
77 100
123 15.2 31.8 47.8#
65 82.7 10.6 16.0#



#21
Isophorone
Concen: 18.271 ng/ul
RT: 10.17 min Scan# 1144
Delta R.T. 0.01 min
Lab File: BN000558.D
Acq: 23 Mar 2018 01:37

Tgt Ion: 82 Resp: 467200
Ion Ratio Lower Upper
82 100
95 18.6 6.1 9.1#
138 15.8 13.5 20.3

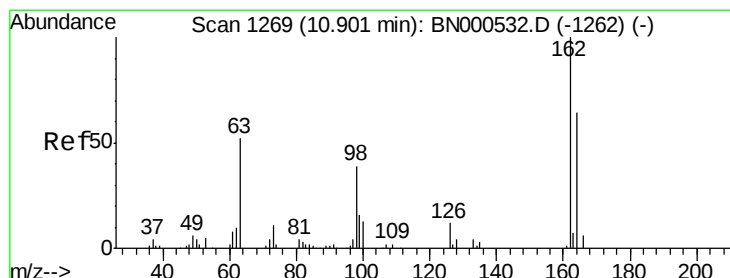
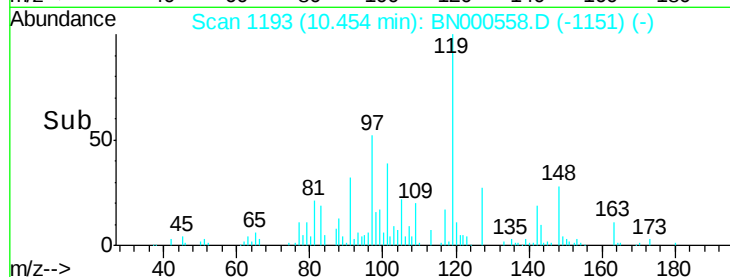
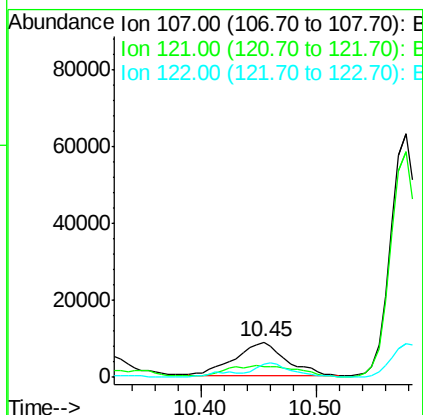
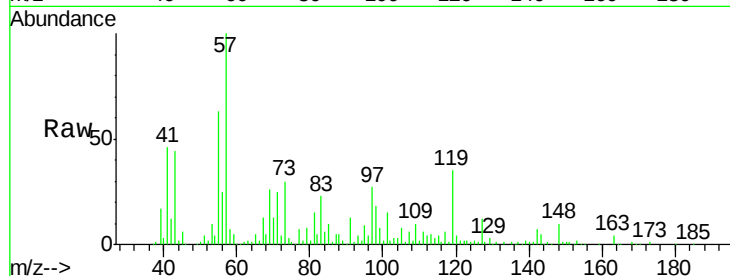




#24
2,4-Dimethylphenol
Concen: 2.044 ng/ul
RT: 10.45 min Scan# 1193
Delta R.T. 0.05 min
Lab File: BN000558.D
Acq: 23 Mar 2018 01:37

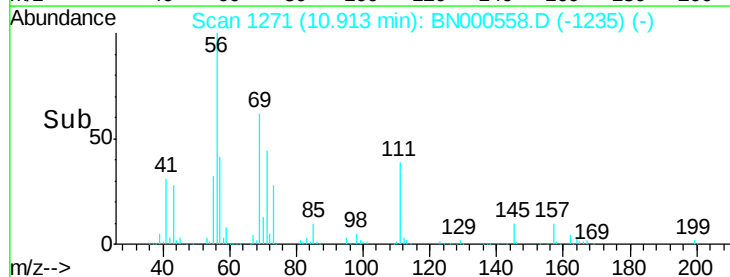
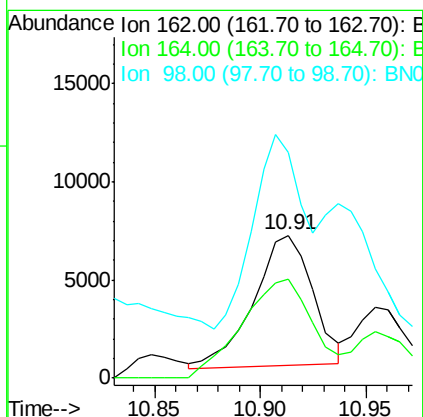
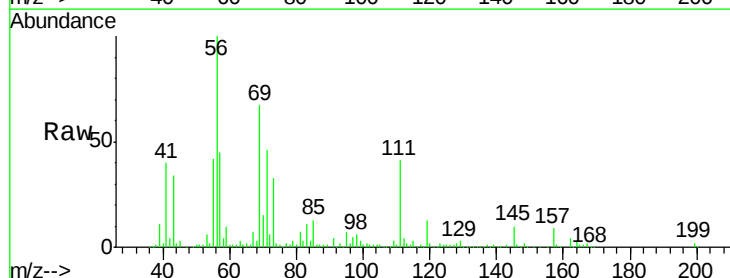
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ClientSampleId :

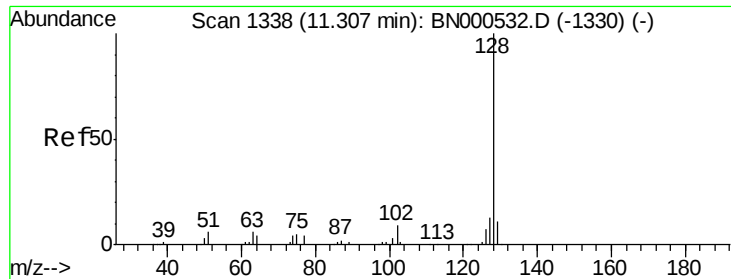
Tot Ion:107 Resp: 26661
Ion Ratio Lower Upper
107 100
121 31.8 38.1 57.1#
122 36.1 63.8 95.8#



#27
2,4-Dichlorophenol
Concen: 1.334 ng/ul
RT: 10.91 min Scan# 1271
Delta R.T. 0.01 min
Lab File: BN000558.D
Acq: 23 Mar 2018 01:37

Tgt Ion:162 Resp: 13064
Ion Ratio Lower Upper
162 100
164 69.3 52.0 78.0
98 158.3 26.6 39.8#





#28

Naphthalene

Concen: 9.523 ng/ul

RT: 11.31 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BN000558.D

Acq: 23 Mar 2018 01:37

Instrument :

BNA_N

ClientSampled :

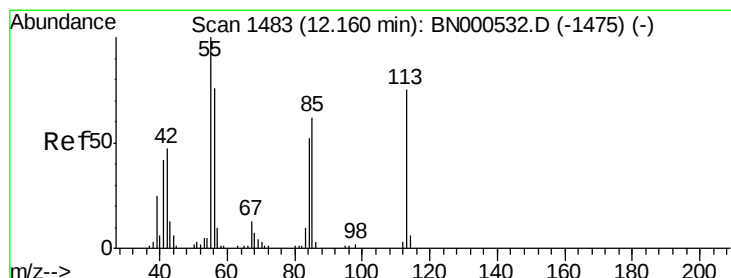
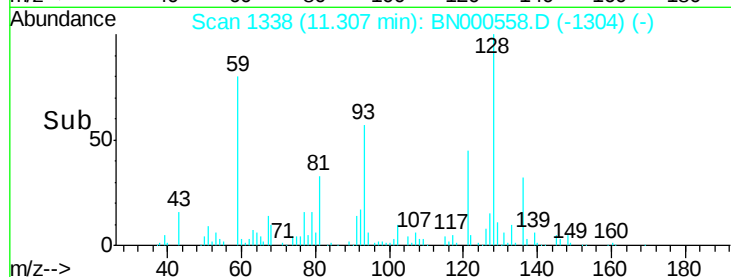
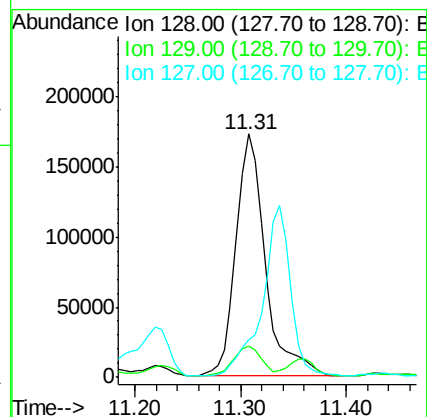
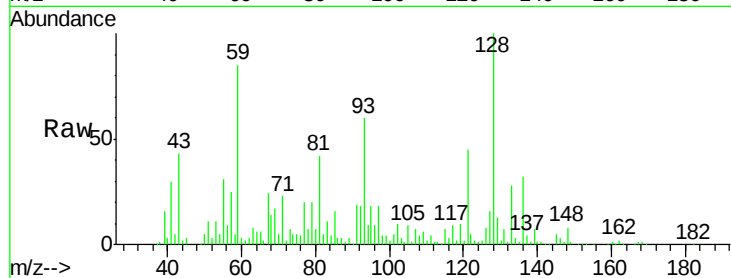
Tot Ion:128 Resp: 334589

Ion Ratio Lower Upper

128 100

129 13.0 8.3 12.5#

127 15.5 10.8 16.2



#32

Caprolactam

Concen: 1.978 ng/ul

RT: 12.17 min Scan# 1485

Delta R.T. 0.01 min

Lab File: BN000558.D

Acq: 23 Mar 2018 01:37

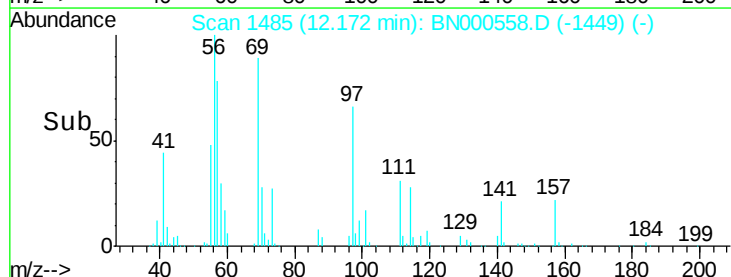
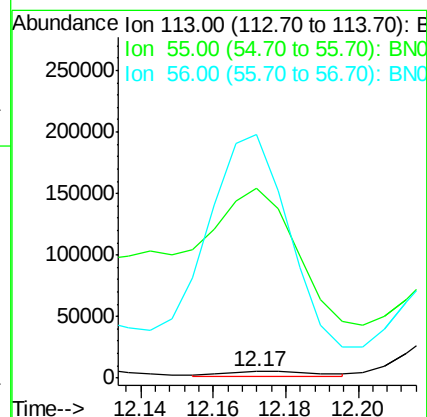
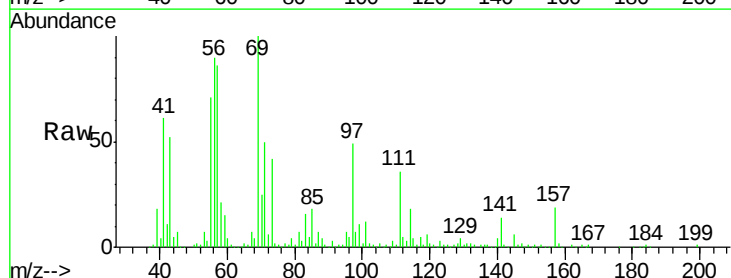
Tgt Ion:113 Resp: 7082

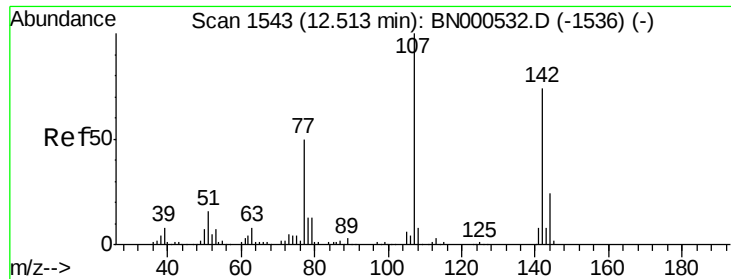
Ion Ratio Lower Upper

113 100

55 2802.5 131.7 197.5#

56 3588.2 92.7 139.1#

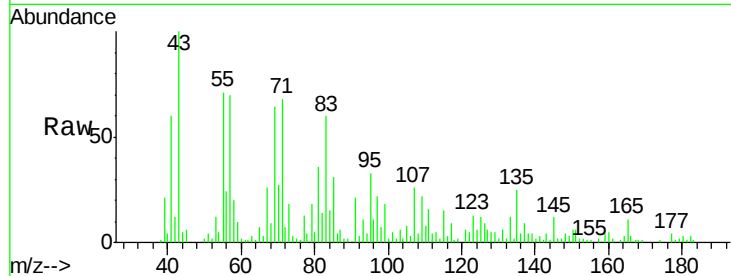




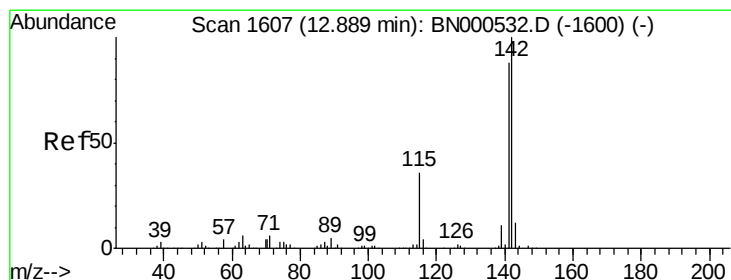
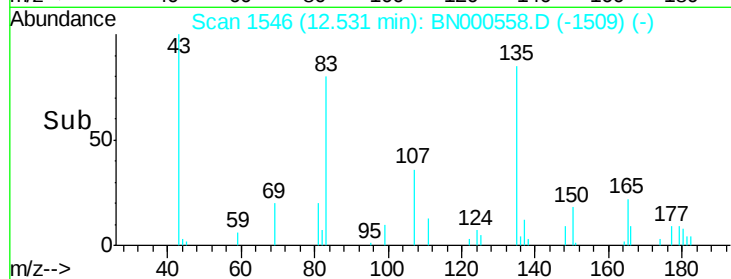
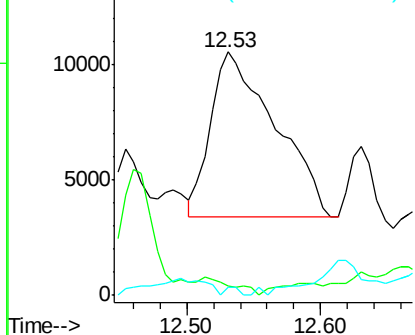
#33
 4-Chloro-3-methylphenol
 Concen: 2.088 ng/ul
 RT: 12.53 min Scan# 1546
 Delta R.T. 0.02 min
 Lab File: BN000558.D
 Acq: 23 Mar 2018 01:37

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:107 Resp: 24045
 Ion Ratio Lower Upper
 107 100
 144 3.7 21.1 31.7#
 142 3.2 60.1 90.1#

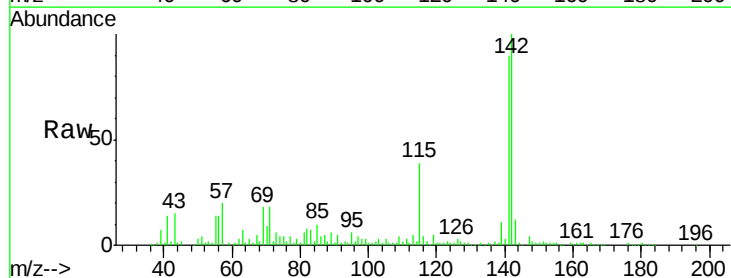


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

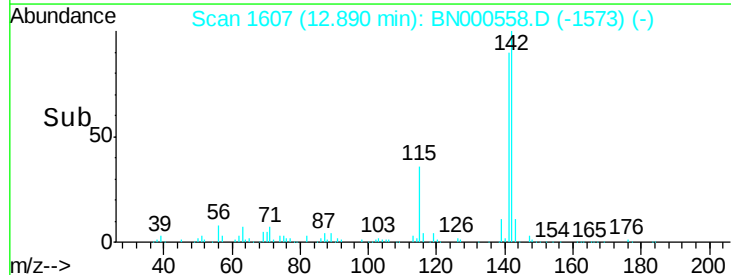
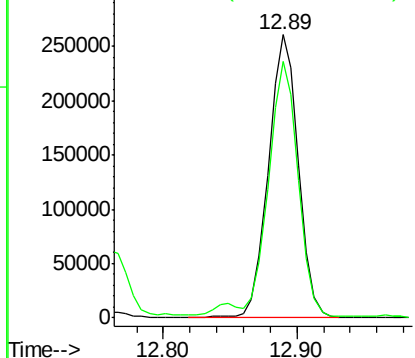


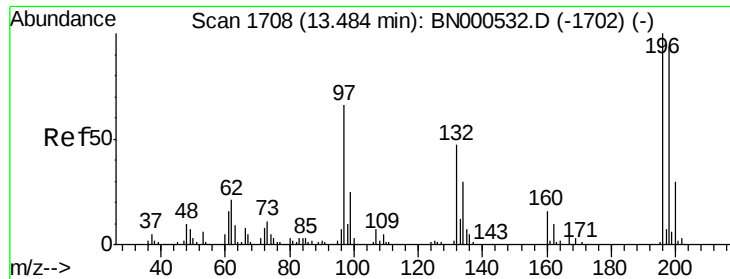
#34
 2-Methylnaphthalene
 Concen: 17.192 ng/ul
 RT: 12.89 min Scan# 1607
 Delta R.T. 0.00 min
 Lab File: BN000558.D
 Acq: 23 Mar 2018 01:37

Tgt Ion:142 Resp: 403286
 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

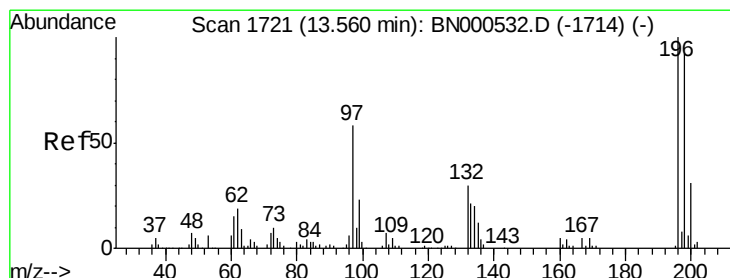
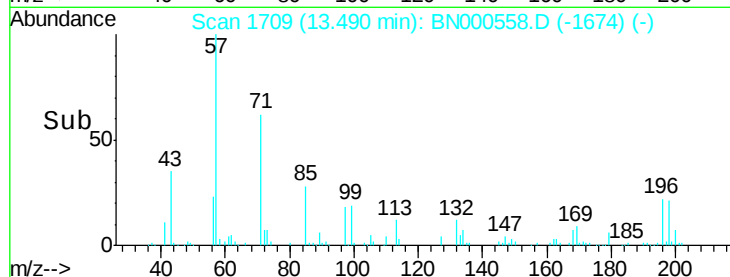
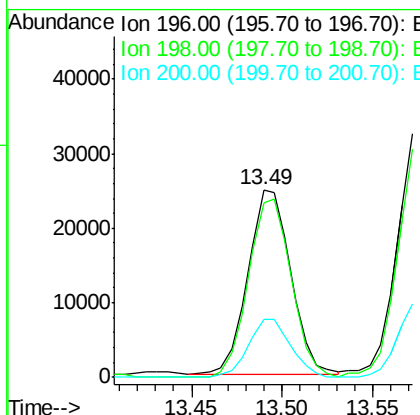
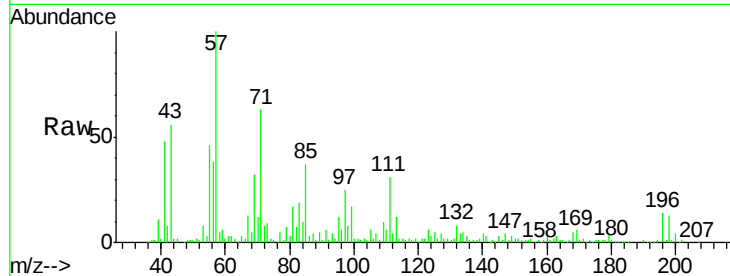




#38
 2,4,6-Trichlorophenol
 Concen: 5.665 ng/ul
 RT: 13.49 min Scan# 1709
 Delta R.T. 0.01 min
 Lab File: BN000558.D
 Acq: 23 Mar 2018 01:37

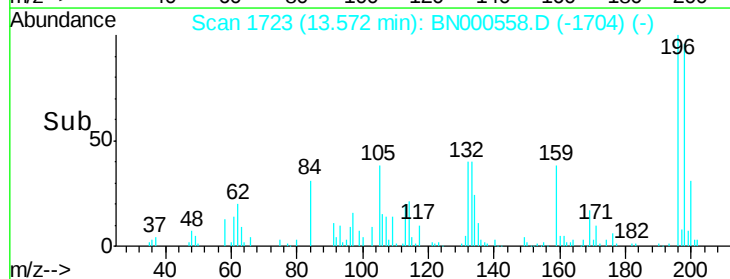
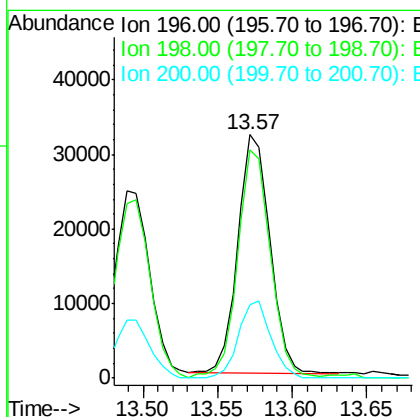
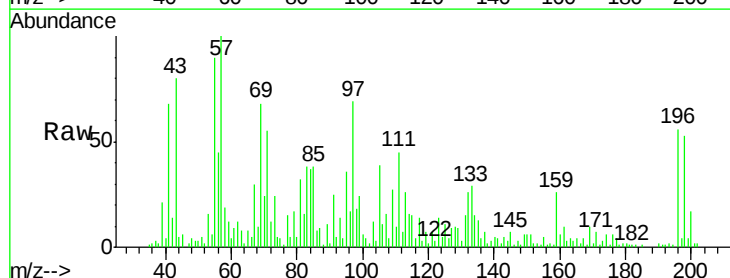
Instrument :
 BNA_N
 ClientSampleId :

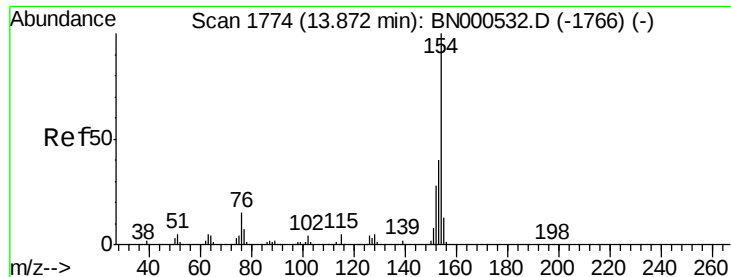
Tot Ion:196 Resp: 40628
 Ion Ratio Lower Upper
 196 100
 198 93.1 75.9 113.9
 200 31.0 25.8 38.6



#39
 2,4,5-Trichlorophenol
 Concen: 6.406 ng/ul
 RT: 13.57 min Scan# 1723
 Delta R.T. 0.01 min
 Lab File: BN000558.D
 Acq: 23 Mar 2018 01:37

Tgt Ion:196 Resp: 47901
 Ion Ratio Lower Upper
 196 100
 198 93.9 74.7 112.1
 200 30.2 25.4 38.0

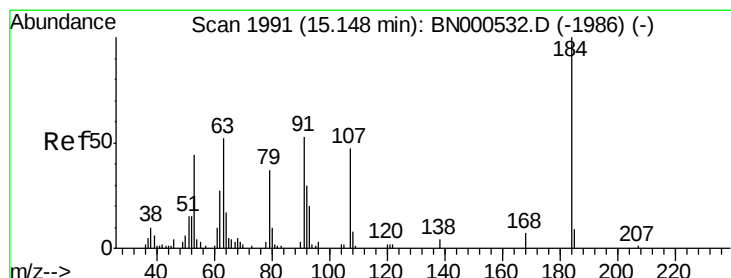
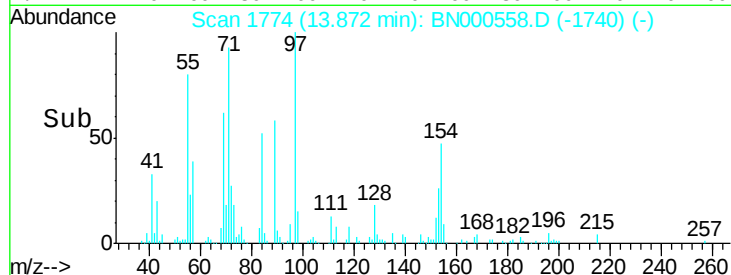
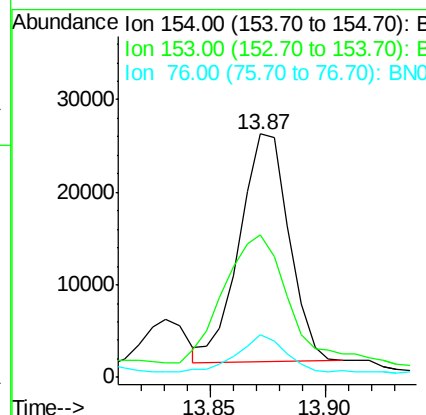
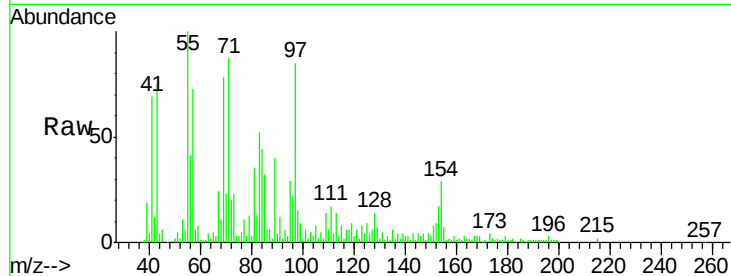




#40
 1,1'-Biphenyl
 Concen: 1.233 ng/ul
 RT: 13.87 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: BN000558.D
 Acq: 23 Mar 2018 01:37

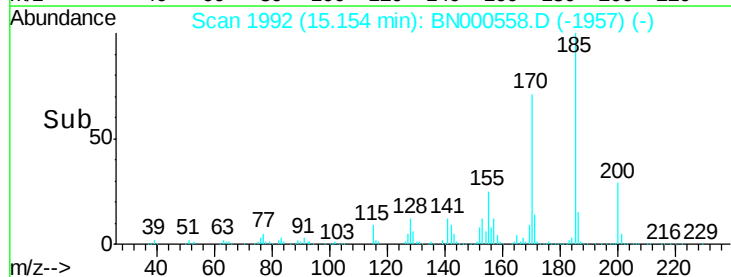
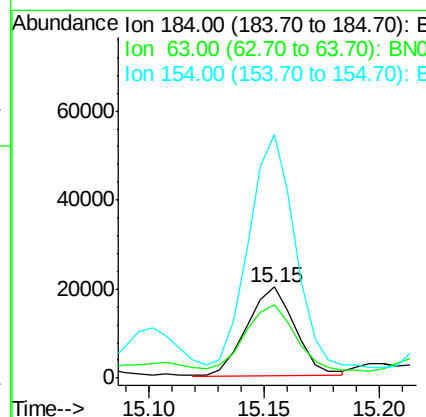
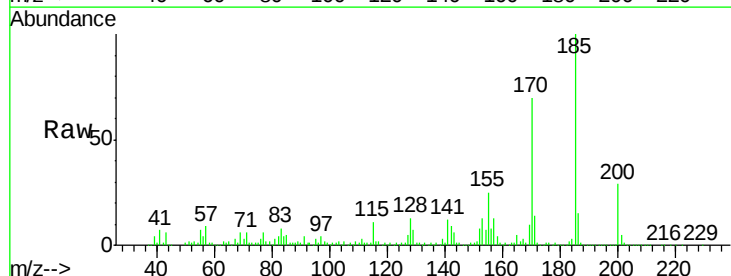
Instrument :
 BNA_N
 ClientSampleId :

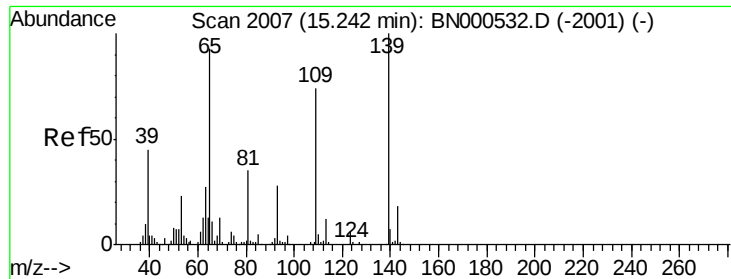
Tot Ion	Ratio	Lower	Upper
154	100		
153	58.7	34.0	51.0#
76	17.5	8.4	12.6#



#50
 2,4-Dinitrophenol
 Concen: 11.268 ng/ul
 RT: 15.15 min Scan# 1992
 Delta R.T. 0.01 min
 Lab File: BN000558.D
 Acq: 23 Mar 2018 01:37

Tgt Ion	Ratio	Lower	Upper
184	100		
63	81.0	39.7	59.5#
154	266.9	45.0	67.6#





#52

4-Nitrophenol

Concen: 11.372 ng/ul

RT: 15.27 min Scan# 2011

Delta R.T. 0.02 min

Lab File: BN000558.D

Acq: 23 Mar 2018 01:37

Instrument :

BNA_N

ClientSampled :

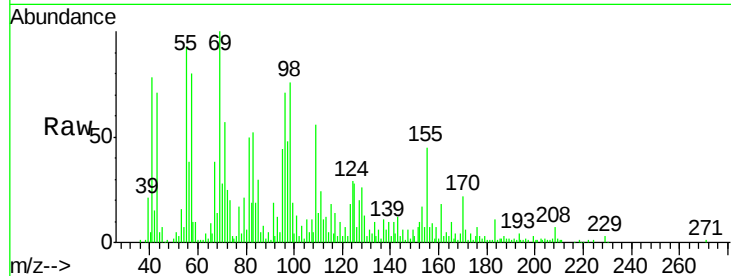
Tot Ion:109 Resp: 45367

Ion Ratio Lower Upper

109 100

139 17.7 91.2 136.8#

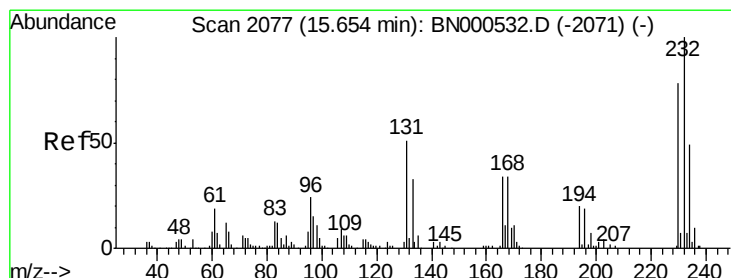
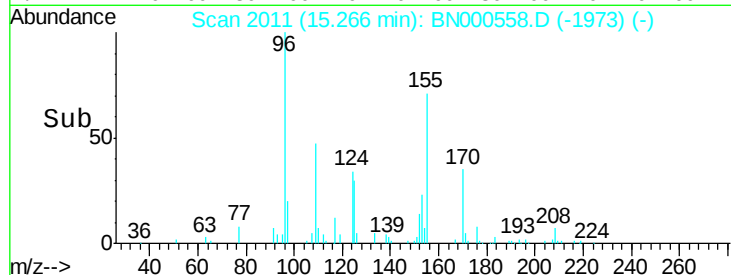
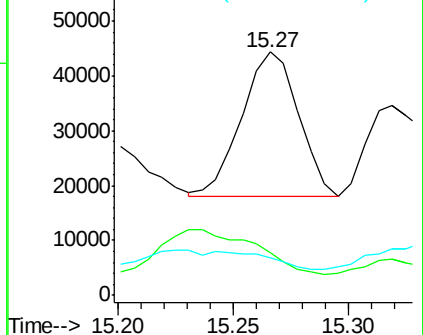
65 15.5 92.6 139.0#



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): BNC



#55

2,3,4,6-Tetrachlorophenol

Concen: 586.087 ng/ul

RT: 15.68 min Scan# 2081

Delta R.T. 0.02 min

Lab File: BN000558.D

Acq: 23 Mar 2018 01:37

Tgt Ion:232 Resp: 3346611

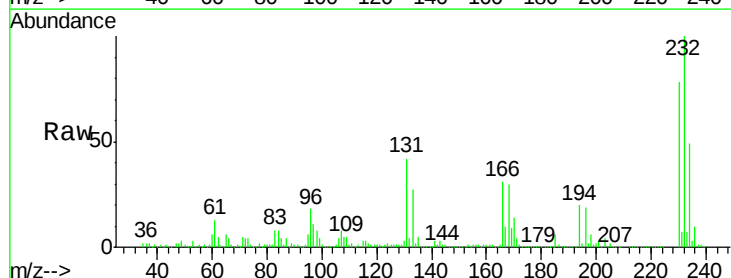
Ion Ratio Lower Upper

232 100

131 41.7 48.0 72.0#

130 2.6 4.0 6.0#

166 30.6 32.0 48.0#

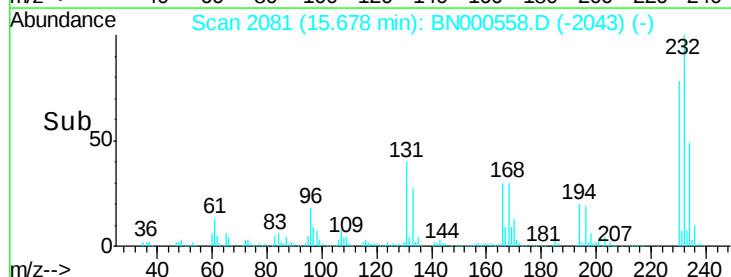
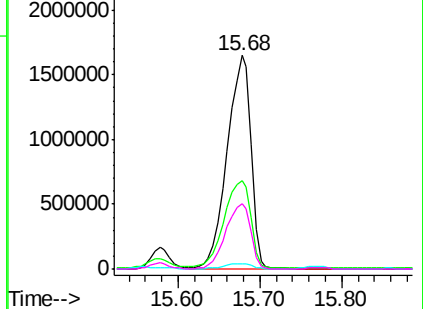


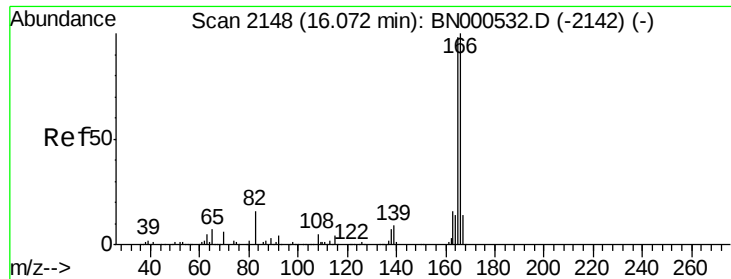
Abundance Ion 232.00 (231.70 to 232.70): E

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: 1.217 ng/ul

RT: 16.08 min Scan# 2149

Delta R.T. 0.01 min

Lab File: BN000558.D

Acq: 23 Mar 2018 01:37

Instrument :

BNA_N

ClientSampleId :

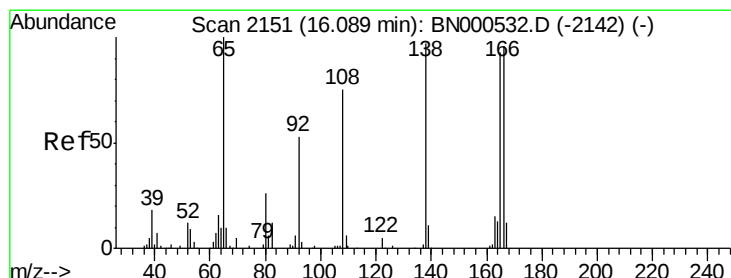
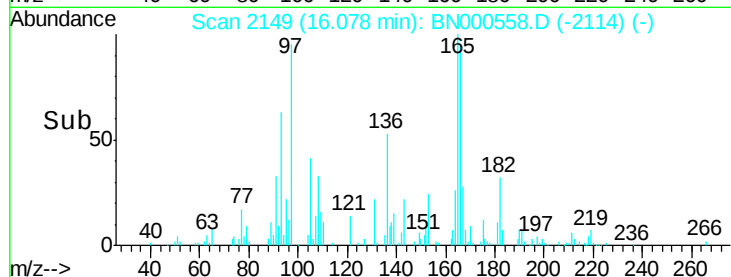
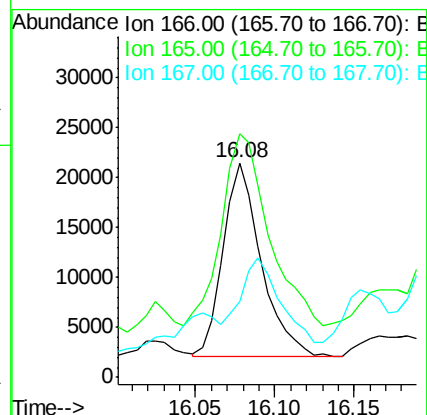
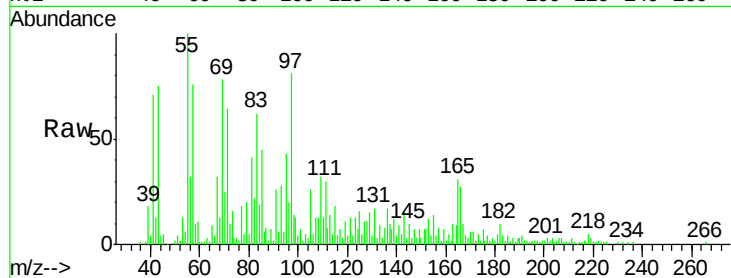
Tot Ion:166 Resp: 32191

Ion Ratio Lower Upper

166 100

165 113.6 78.4 117.6

167 35.7 11.1 16.7#



#60

4-Nitroaniline

Concen: 3.377 ng/ul

RT: 16.10 min Scan# 2152

Delta R.T. 0.01 min

Lab File: BN000558.D

Acq: 23 Mar 2018 01:37

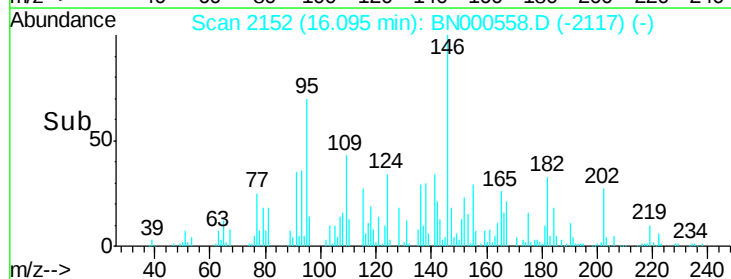
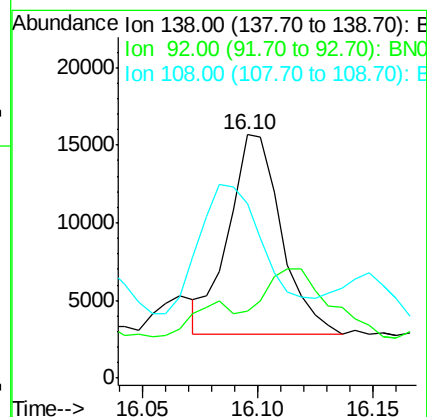
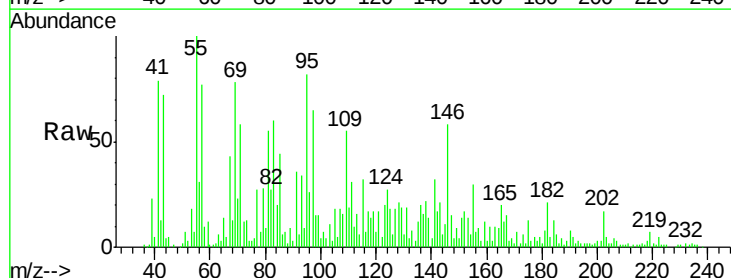
Tgt Ion:138 Resp: 20299

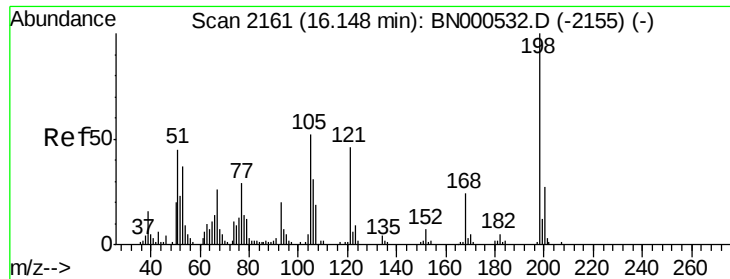
Ion Ratio Lower Upper

138 100

92 27.3 38.2 57.4#

108 71.6 70.0 105.0

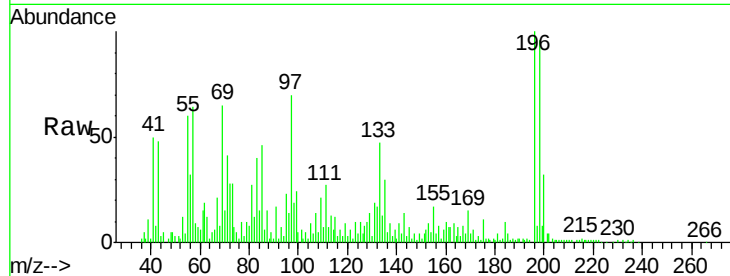




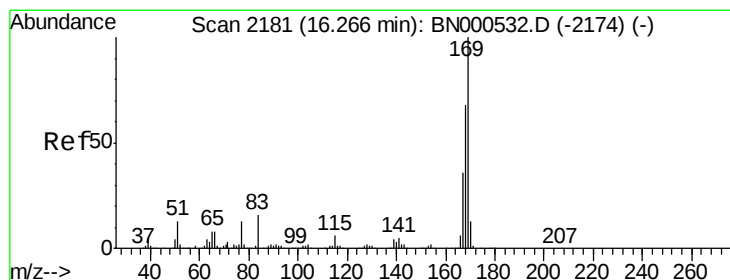
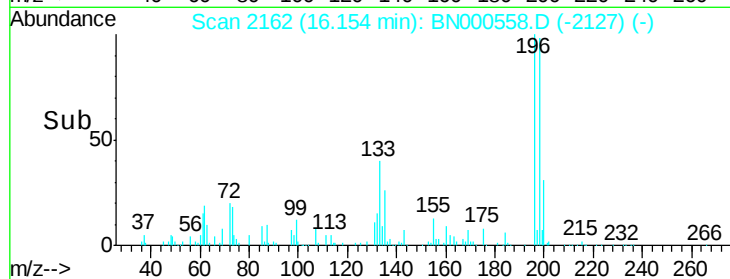
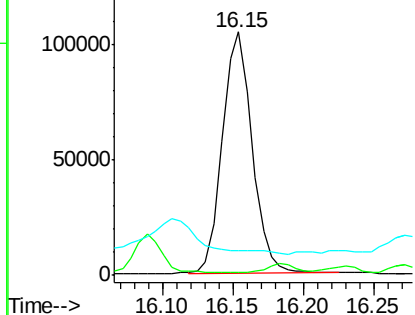
#63
 4,6-Dinitro-2-methylphenol
 Concen: 37.450 ng/ul
 RT: 16.15 min Scan# 2162
 Delta R.T. 0.01 min
 Lab File: BN000558.D
 Acq: 23 Mar 2018 01:37

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:198 Resp: 153300
 Ion Ratio Lower Upper
 198 100
 182 1.5 3.5 5.3#
 77 10.0 18.2 27.4#

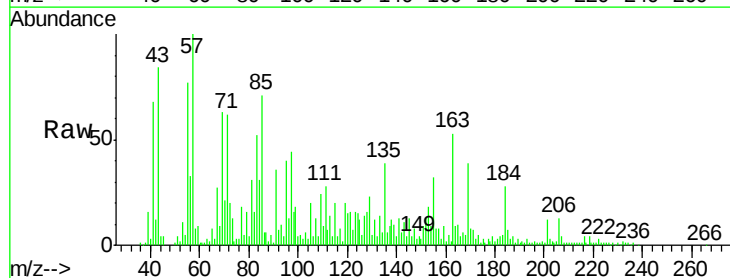


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): BNC

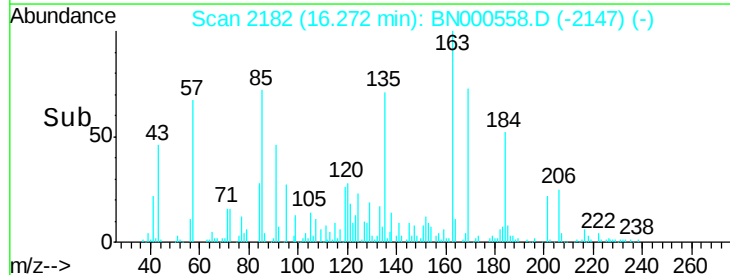
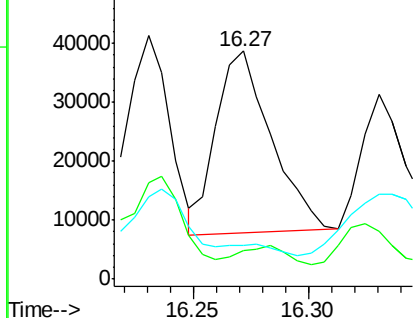


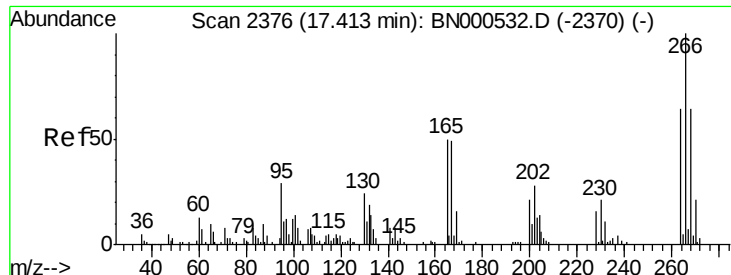
#64
 N-Nitrosodiphenylamine
 Concen: 2.310 ng/ul
 RT: 16.27 min Scan# 2182
 Delta R.T. 0.01 min
 Lab File: BN000558.D
 Acq: 23 Mar 2018 01:37

Tgt Ion:169 Resp: 51516
 Ion Ratio Lower Upper
 169 100
 168 12.3 53.8 80.8#
 167 14.6 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

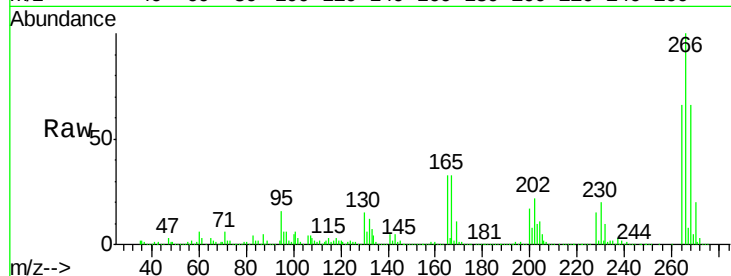




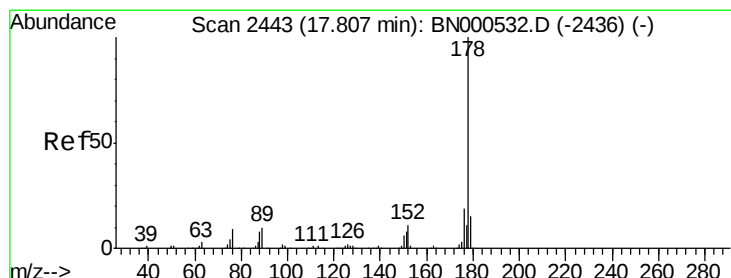
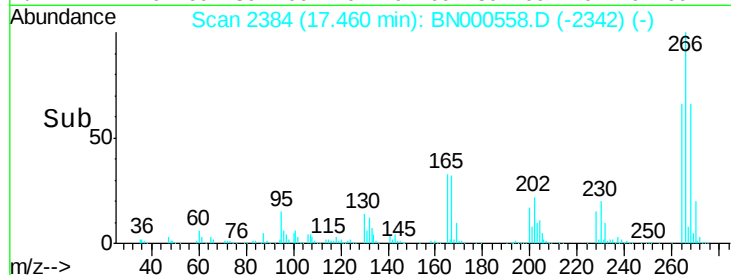
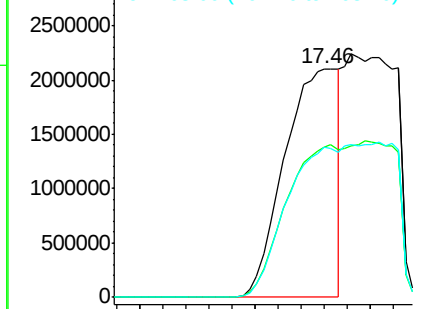
#68
 Pentachlorophenol
 Concen: 1756.469 ng/ul
 RT: 17.46 min Scan# 2384
 Delta R.T. 0.05 min
 Lab File: BN000558.D
 Acq: 23 Mar 2018 01:37

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:266 Resp: 6756859
 Ion Ratio Lower Upper
 266 100
 264 65.9 48.2 72.4
 268 65.8 52.3 78.5

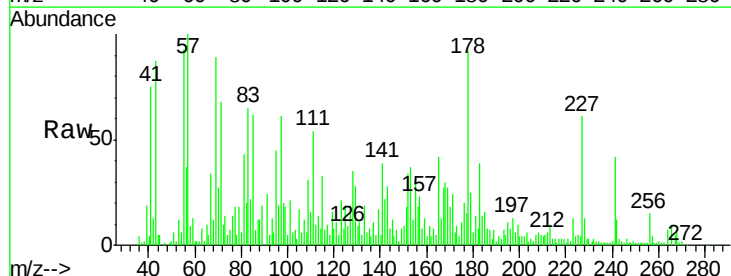


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

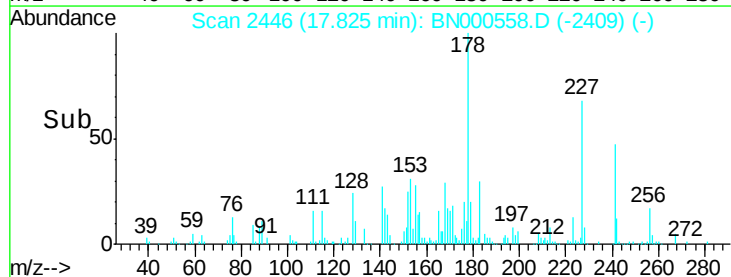
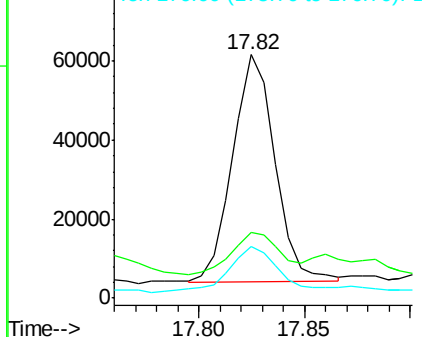


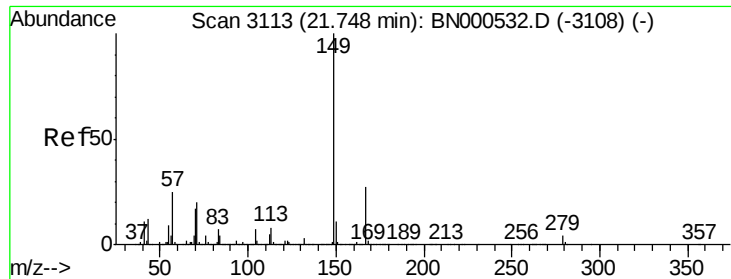
#69
 Phenanthrene
 Concen: 2.055 ng/ul
 RT: 17.82 min Scan# 2446
 Delta R.T. 0.02 min
 Lab File: BN000558.D
 Acq: 23 Mar 2018 01:37

Tgt Ion:178 Resp: 80157
 Ion Ratio Lower Upper
 178 100
 179 26.7 12.3 18.5#
 176 21.3 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





#81

Bis(2-ethylhexyl)phthalate

Concen: 2.758 ng/ul

RT: 21.74 min Scan# 3112

Delta R.T. -0.01 min

Lab File: BN000558.D

Acq: 23 Mar 2018 01:37

Instrument :

BNA_N

ClientSampleId :

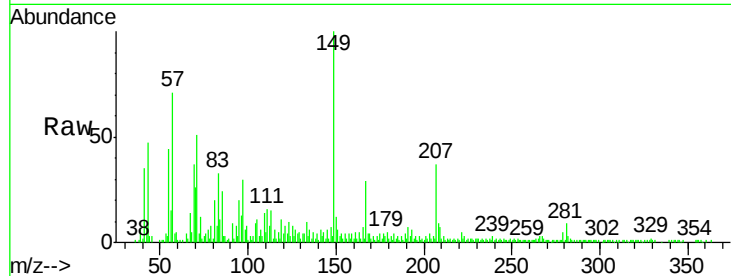
Tot Ion:149 Resp: 74404

Ion Ratio Lower Upper

149 100

167 28.8 23.0 34.6

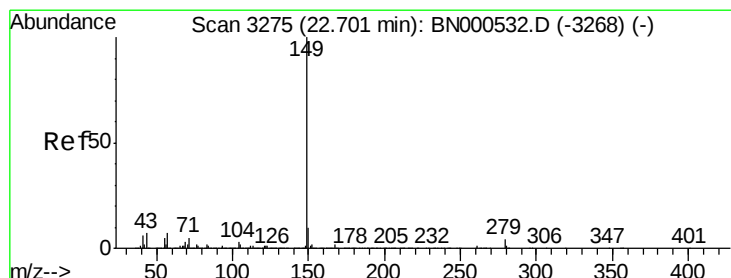
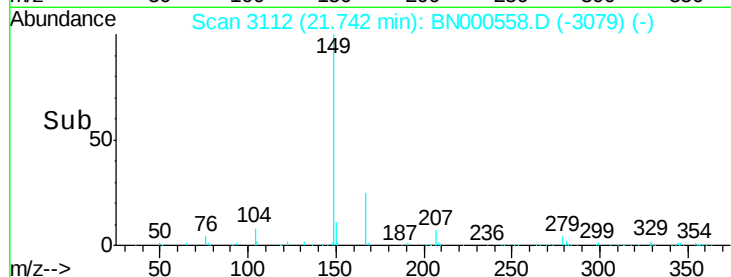
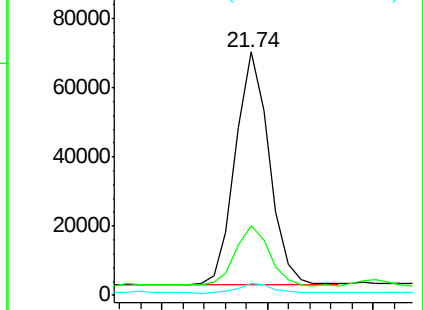
279 5.1 4.3 6.5



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: 1.164 ng/ul

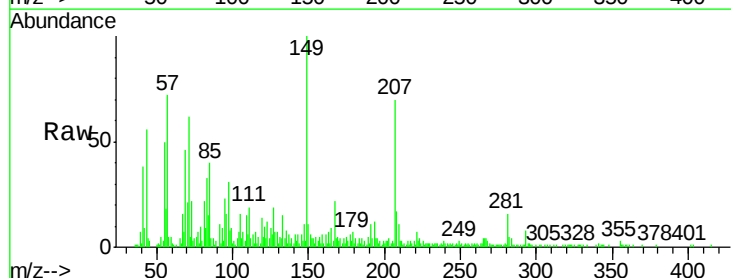
RT: 22.69 min Scan# 3274

Delta R.T. -0.01 min

Lab File: BN000558.D

Acq: 23 Mar 2018 01:37

Tgt Ion:149 Resp: 47732



Abundance Ion 149.00 (148.70 to 149.70): E

