

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072618\
 Data File : BN002169.D
 Acq On : 26 Jul 2018 11:18
 Operator : JU/SJ
 Sample : J4086-22DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 27 01:19:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN072518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 26 18:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	213814	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	936213	20.00	ng	0.00
38) Acenaphthene-d10	14.32	164	565110	20.00	ng	0.00
63) Phenanthrene-d10	17.07	188	1286601	20.00	ng	0.00
75) Chrysene-d12	21.27	240	1125850	20.00	ng	0.00
86) Perylene-d12	23.49	264	952991	20.00	ng	0.00

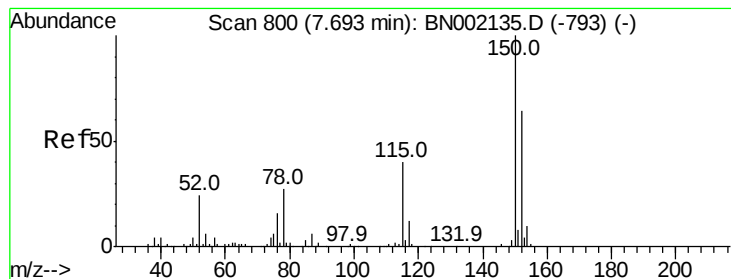
System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	385903	29.06	ng	0.00
7) Phenol-d6	6.87	99	542137	29.09	ng	0.00
23) Nitrobenzene-d5	8.84	82	356613	19.53	ng	0.00
41) 2,4,6-Tribromophenol	15.81	330	221449	30.18	ng	-0.01
44) 2-Fluorobiphenyl	12.94	172	850434	19.60	ng	0.00
78) Terphenyl-d14	19.70	244	1243341	23.03	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.90	94	655521	34.313	ng	98
17) 2-Methylphenol	8.13	107	315243	24.171	ng	95
19) n-Nitroso-di-n-propylamine	8.84	70	46942	3.472	ng	# 78
20) 3+4-Methylphenols	8.45	107	431787	23.728	ng	96
24) Nitrobenzene	8.45	77	141649	7.487	ng	# 47
26) 2-Nitrophenol	9.59	139	228053	24.953	ng	97
29) 2,4-Dichlorophenol	10.12	162	390466	26.344	ng	94
35) Caprolactam	11.75	113	12542	2.479	ng	# 32
36) 4-Chloro-3-methylphenol	11.75	107	417560	24.775	ng	96
37) 2-Methylnaphthalene	11.75	142	323893	9.720	ng	# 26
42) 2,4,6-Trichlorophenol	12.75	196	92876	7.285	ng	96
43) 2,4,5-Trichlorophenol	12.82	196	306850	22.721	ng	97
50) 2,6-Dinitrotoluene	14.32	165	72998	7.000	ng	# 20
51) Acenaphthene	14.44	154	95940	2.734	ng	# 5
53) 2,4-Dinitrophenol	14.45	184	151685	27.469	ng	97
55) 4-Nitrophenol	14.55	139	270832	31.220	ng	92
56) 2,4-Dinitrotoluene	14.32	165	72998	5.157	ng	# 18
64) 4,6-Dinitro-2-methylphenol	15.46	198	52636	6.060	ng	97
68) Atrazine	16.72	200	43168	3.003	ng	# 35
69) Pentachlorophenol	16.72	266	213864	19.943	ng	99

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

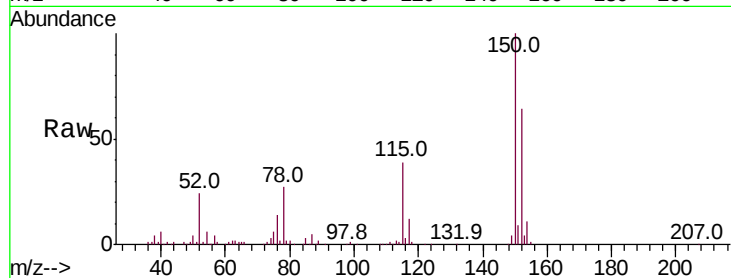


#1

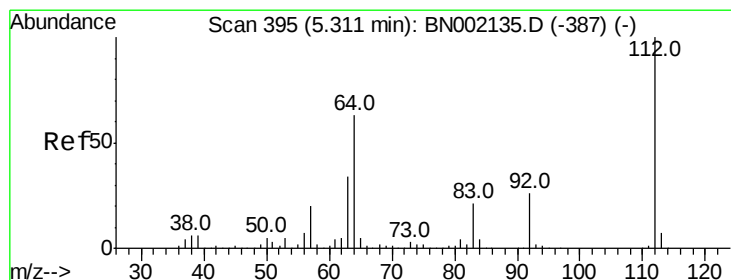
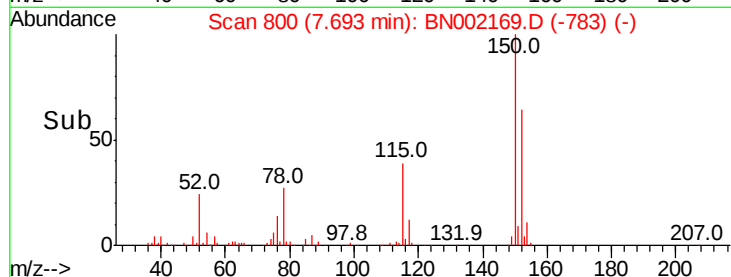
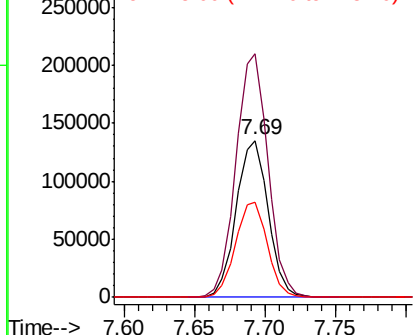
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 800
Delta R.T. 0.00 min
Lab File: BN002169.D
Acq: 26 Jul 2018 11:18

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 213814
Ion Ratio Lower Upper
152 100
150 155.2 126.6 189.8
115 60.8 53.0 79.4



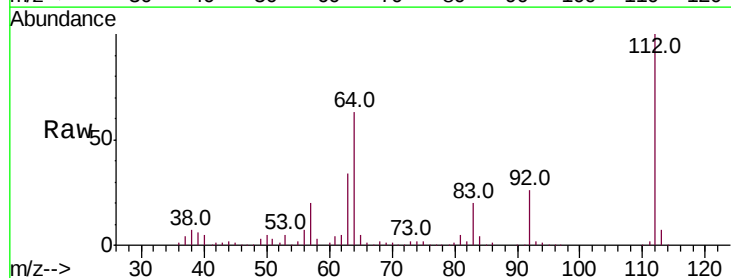
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



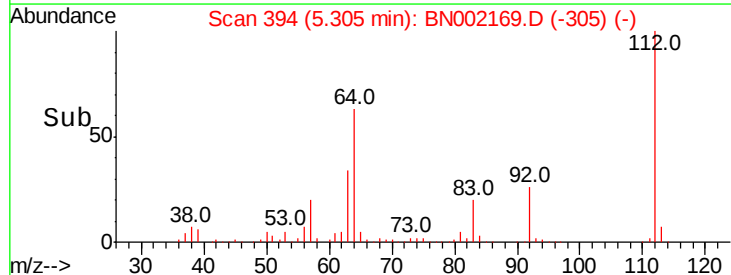
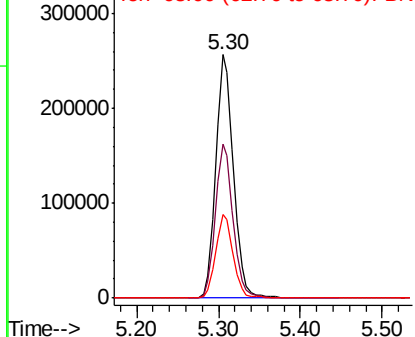
#5

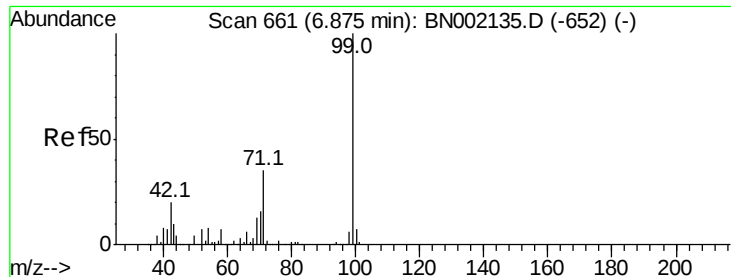
2-Fluorophenol
Concen: 29.057 ng
RT: 5.30 min Scan# 394
Delta R.T. -0.01 min
Lab File: BN002169.D
Acq: 26 Jul 2018 11:18

Tgt Ion:112 Resp: 385903
Ion Ratio Lower Upper
112 100
64 63.4 56.3 84.5
63 34.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC





#7

Phenol-d6

Concen: 29.089 ng

RT: 6.87 min Scan# 660

Delta R.T. -0.01 min

Lab File: BN002169.D

Acq: 26 Jul 2018 11:18

Instrument :

BNA_N

ClientSampleId :

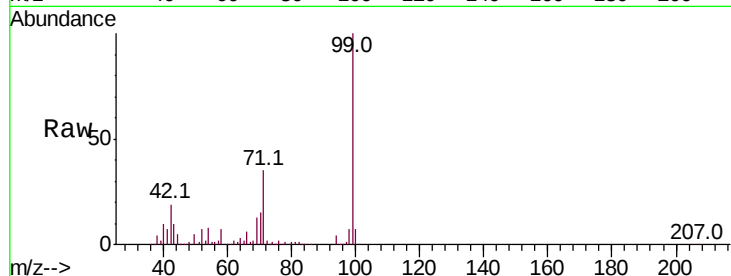
Tot Ion: 99 Resp: 542137

Ion Ratio Lower Upper

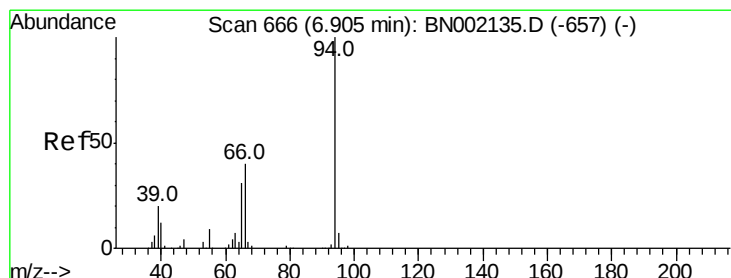
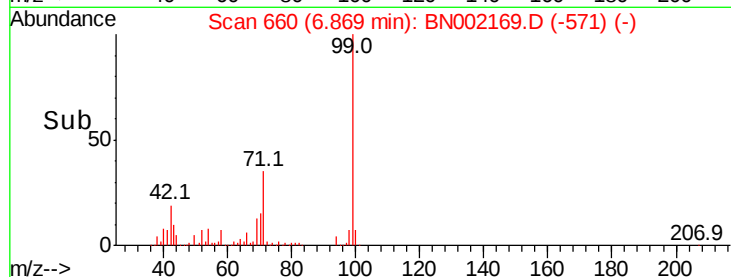
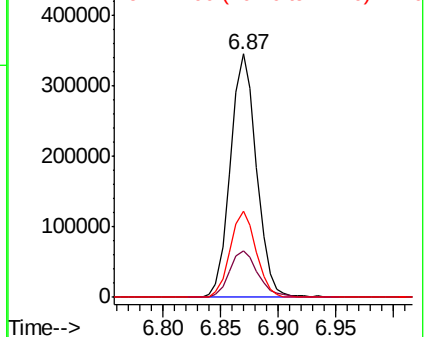
99 100

42 19.3 14.1 21.1

71 35.2 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BNC
Ion 42.00 (41.70 to 42.70): BNC
Ion 71.00 (70.70 to 71.70): BNC



#10

Phenol

Concen: 34.313 ng

RT: 6.90 min Scan# 665

Delta R.T. -0.01 min

Lab File: BN002169.D

Acq: 26 Jul 2018 11:18

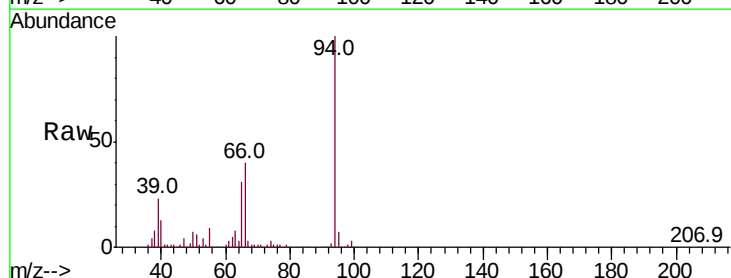
Tgt Ion: 94 Resp: 655521

Ion Ratio Lower Upper

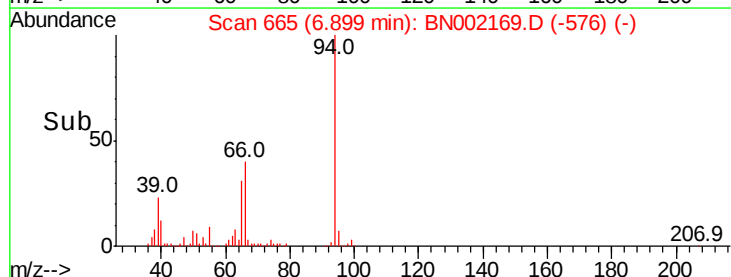
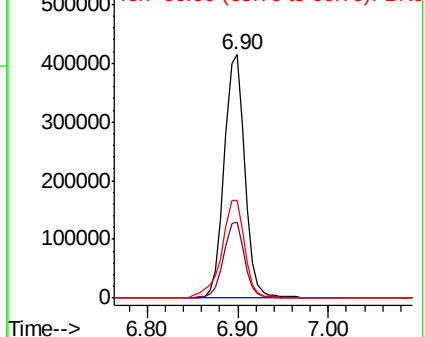
94 100

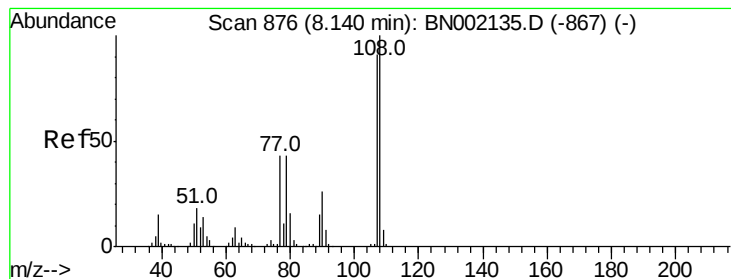
65 31.4 11.9 51.9

66 39.9 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BNC
Ion 65.00 (64.70 to 65.70): BNC
Ion 66.00 (65.70 to 66.70): BNC

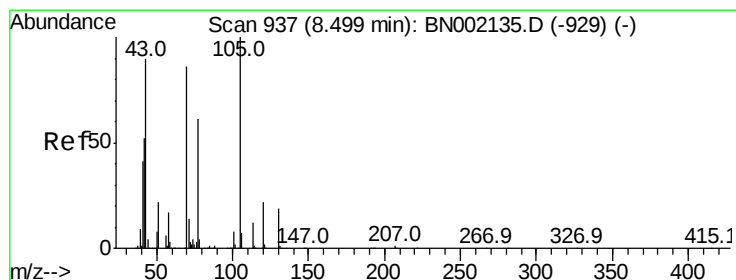
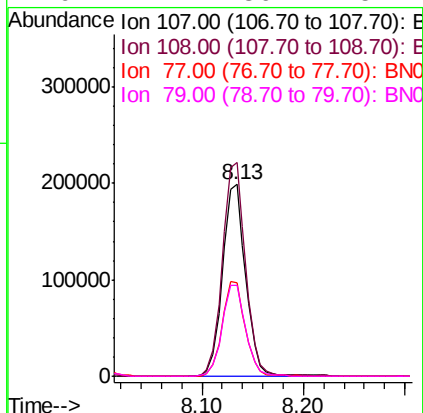
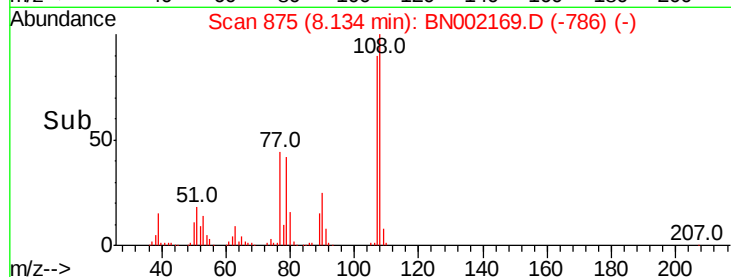
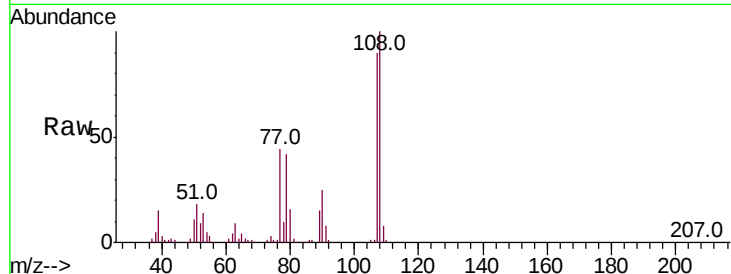




#17
2-Methylphenol
Concen: 24.171 ng
RT: 8.13 min Scan# 875
Delta R.T. -0.01 min
Lab File: BN002169.D
Acq: 26 Jul 2018 11:18

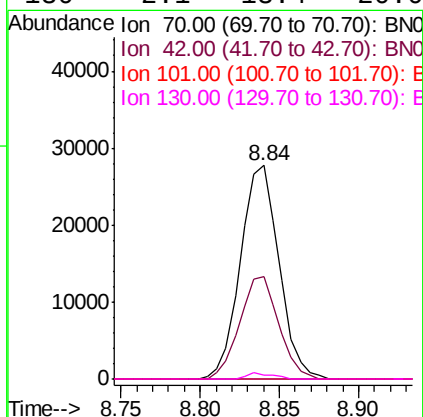
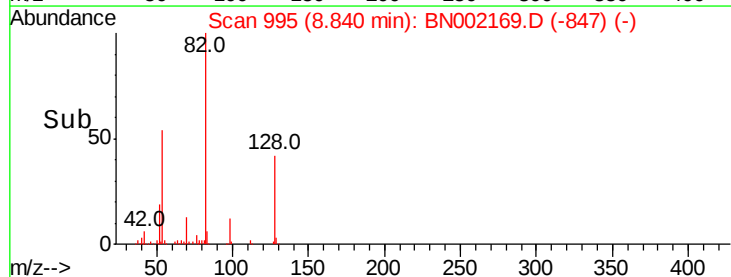
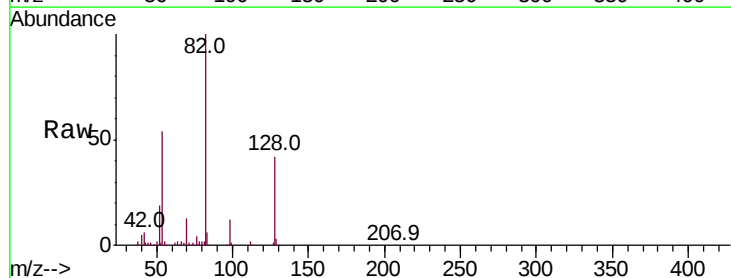
Instrument :
BNA_N
ClientSampleId :

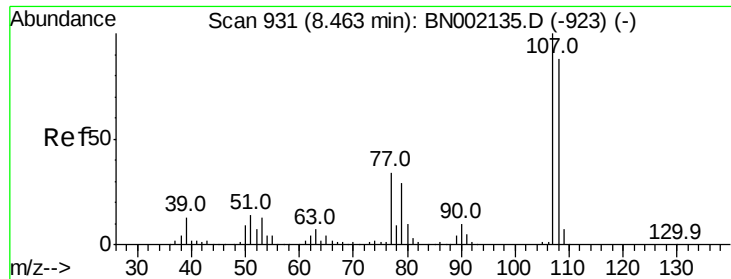
Tot Ion:107 Resp: 315243
Ion Ratio Lower Upper
107 100
108 111.5 83.9 125.9
77 48.9 37.2 55.8
79 47.2 36.2 54.2



#19
n-Nitroso-di-n-propylamine
Concen: 3.472 ng
RT: 8.84 min Scan# 995
Delta R.T. 0.34 min
Lab File: BN002169.D
Acq: 26 Jul 2018 11:18

Tgt Ion: 70 Resp: 46942
Ion Ratio Lower Upper
70 100
42 47.8 49.1 73.7#
101 0.0 8.5 12.7#
130 2.1 13.4 20.0#

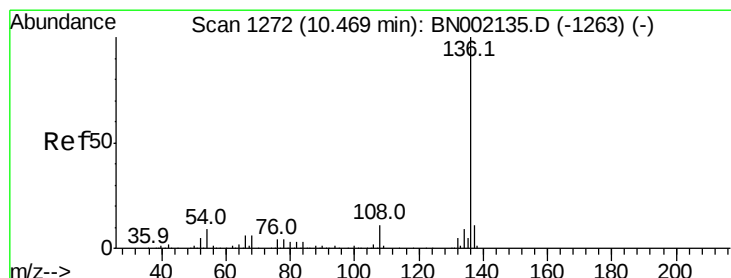
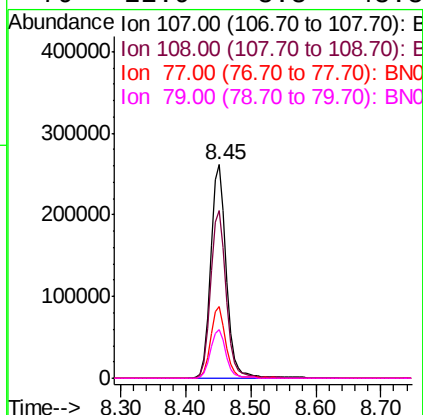
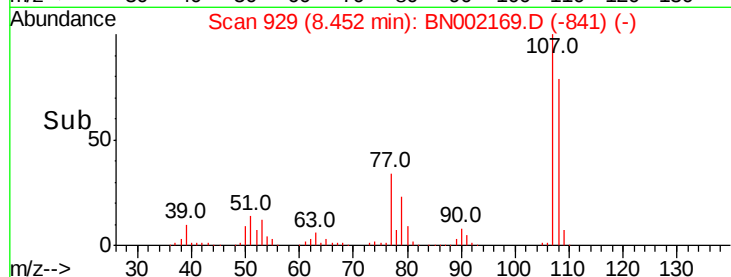
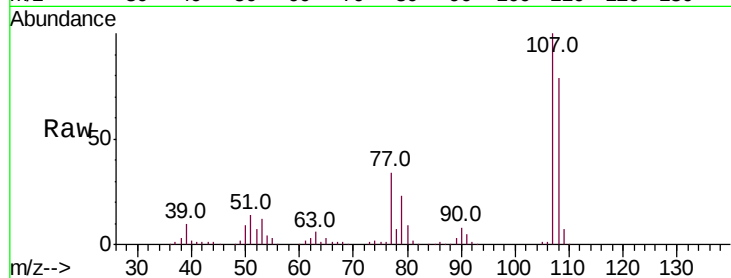




#20
3+4-Methylphenols
Concen: 23.728 ng
RT: 8.45 min Scan# 929
Delta R.T. -0.01 min
Lab File: BN002169.D
Acq: 26 Jul 2018 11:18

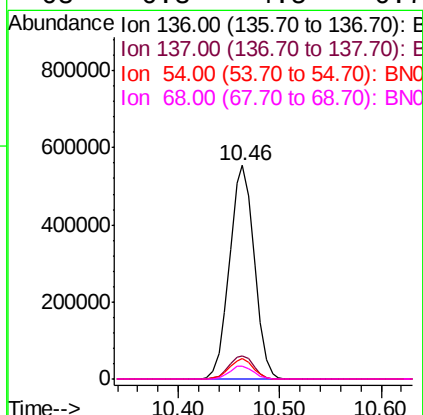
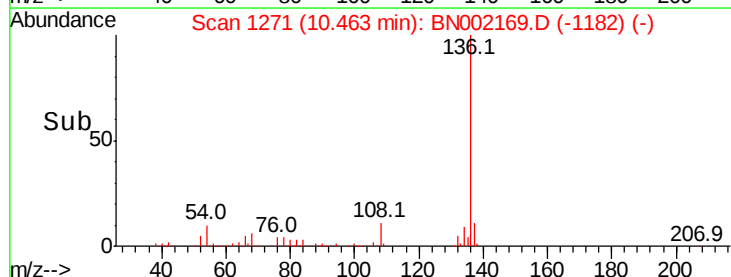
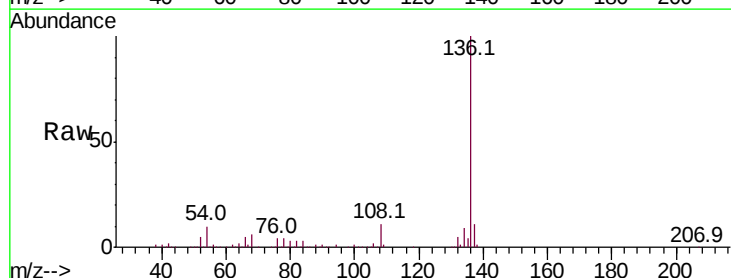
Instrument :
BNA_N
ClientSampleId :

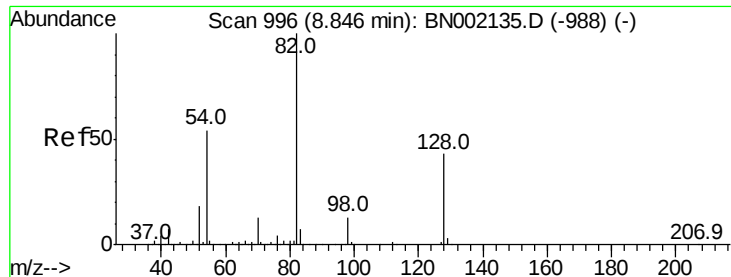
Tot Ion:	107	Resp:	431787
Ion	Ratio	Lower	Upper
107	100		
108	78.8	61.6	101.6
77	33.5	13.9	53.9
79	22.9	8.8	48.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN002169.D
Acq: 26 Jul 2018 11:18

Tgt Ion:	136	Resp:	936213
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	9.8	10.3	15.5#
68	6.3	4.5	6.7

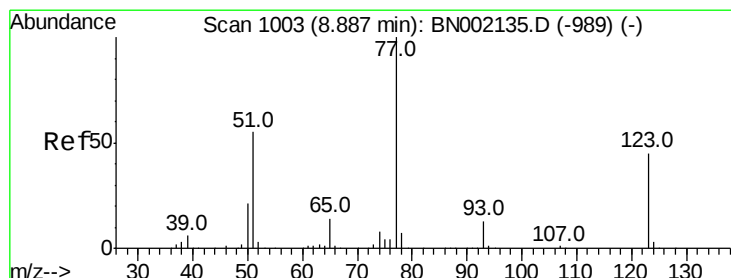
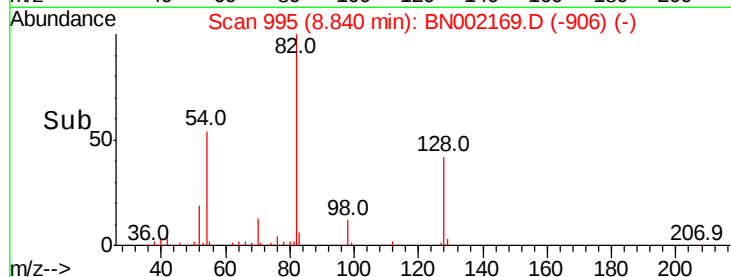
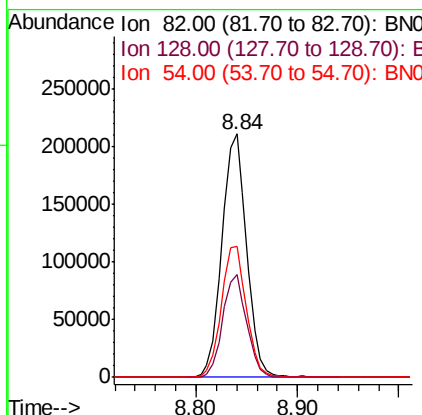
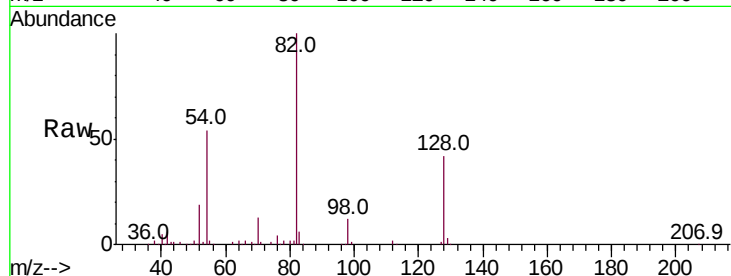




#23
Nitrobenzene-d5
Concen: 19.534 ng
RT: 8.84 min Scan# 995
Delta R.T. -0.01 min
Lab File: BN002169.D
Acq: 26 Jul 2018 11:18

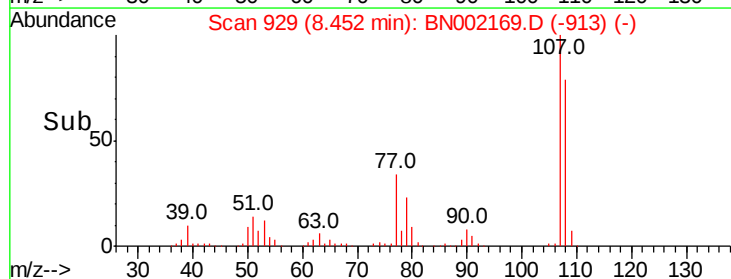
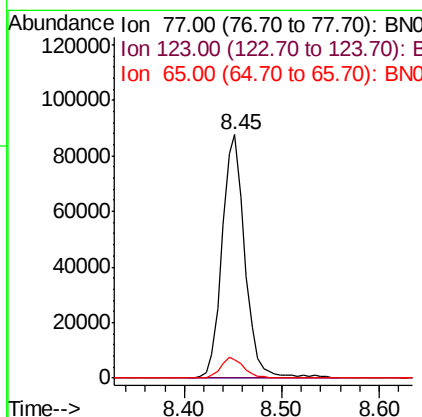
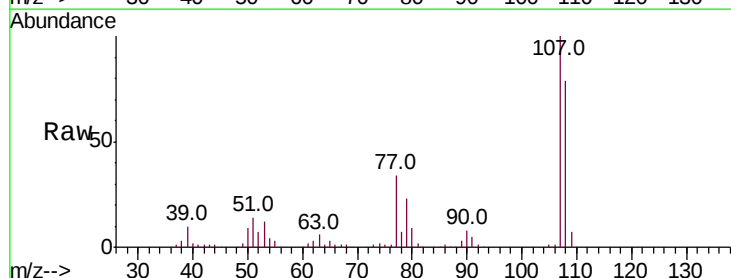
Instrument :
BNA_N
ClientSampleId :

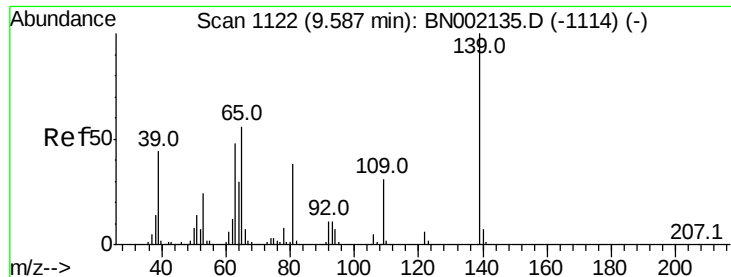
Tot Ion: 82 Resp: 356613
Ion Ratio Lower Upper
82 100
128 42.2 29.7 44.5
54 54.0 43.1 64.7



#24
Nitrobenzene
Concen: 7.487 ng
RT: 8.45 min Scan# 929
Delta R.T. -0.44 min
Lab File: BN002169.D
Acq: 26 Jul 2018 11:18

Tgt Ion: 77 Resp: 141649
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 7.7 13.0 19.6#

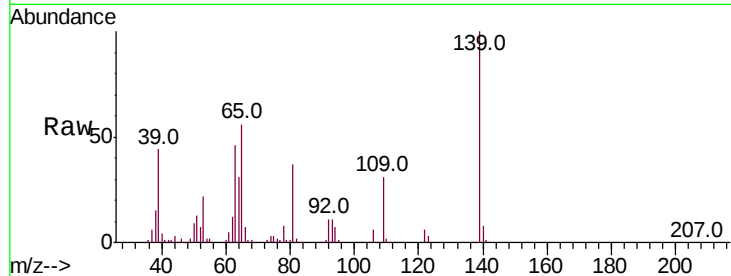




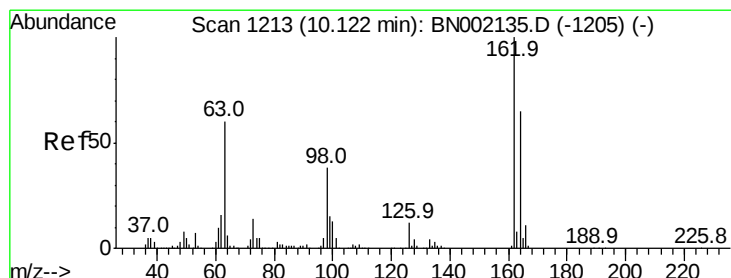
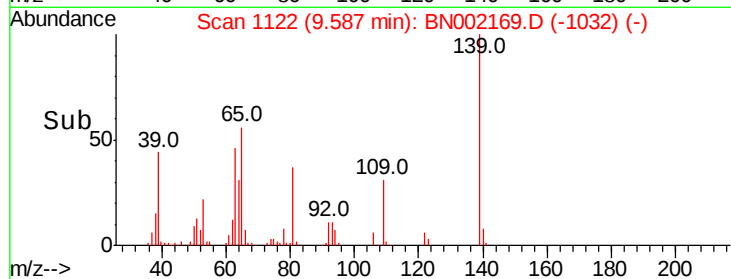
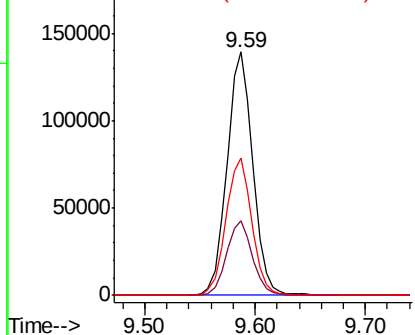
#26
2-Nitrophenol
Concen: 24.953 ng
RT: 9.59 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BN002169.D
Acq: 26 Jul 2018 11:18

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
139	100		
109	30.6	24.2	36.2
65	56.5	47.4	71.0

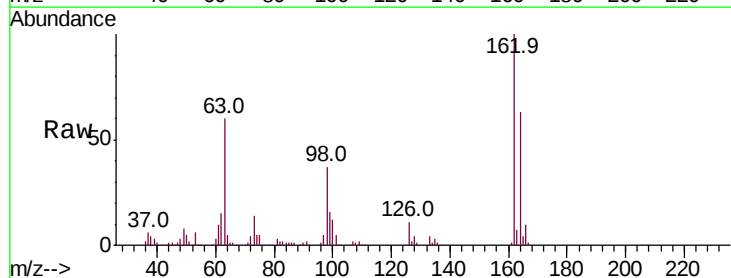


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BNO

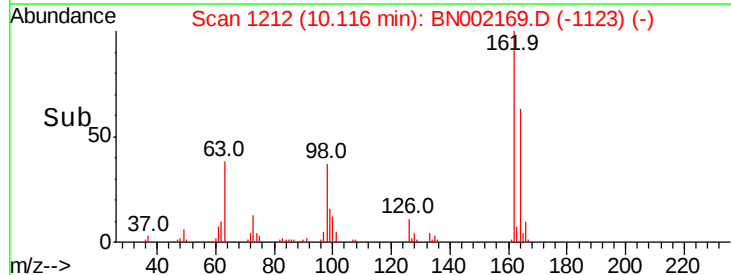
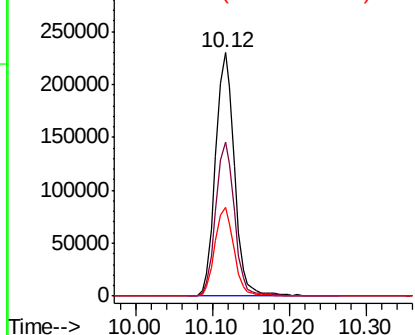


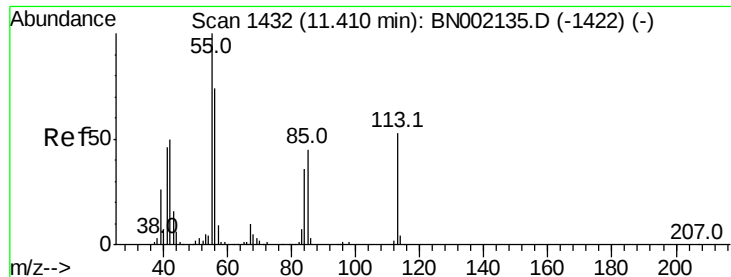
#29
2,4-Dichlorophenol
Concen: 26.344 ng
RT: 10.12 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BN002169.D
Acq: 26 Jul 2018 11:18

Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.2	48.0	88.0
98	36.5	21.1	61.1



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BNO





#35

Caprolactam

Concen: 2.479 ng

RT: 11.75 min Scan# 1490

Delta R.T. 0.34 min

Lab File: BN002169.D

Acq: 26 Jul 2018 11:18

Instrument :

BNA_N

ClientSampled :

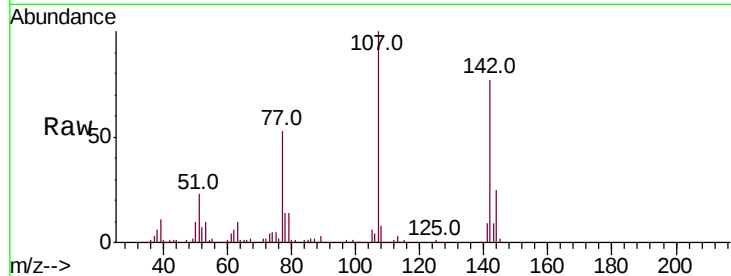
Tot Ion:113 Resp: 12542

Ion Ratio Lower Upper

113 100

55 83.7 120.0 160.0#

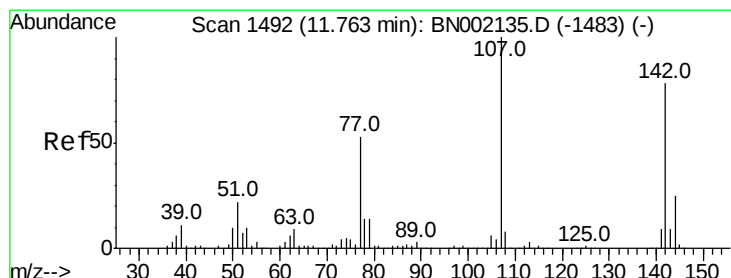
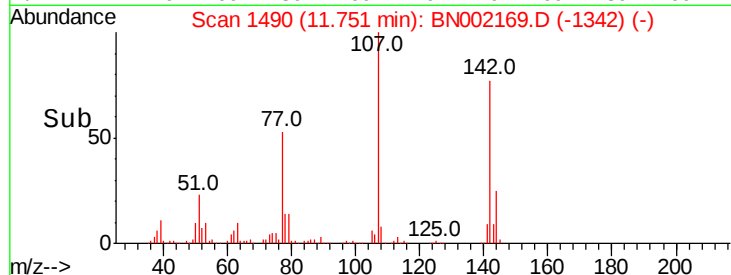
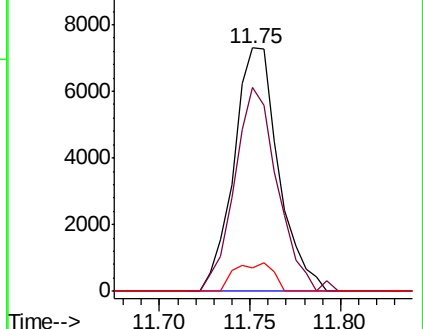
56 9.8 90.0 130.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNC

Ion 56.00 (55.70 to 56.70): BNC



#36

4-Chloro-3-methylphenol

Concen: 24.775 ng

RT: 11.75 min Scan# 1490

Delta R.T. -0.01 min

Lab File: BN002169.D

Acq: 26 Jul 2018 11:18

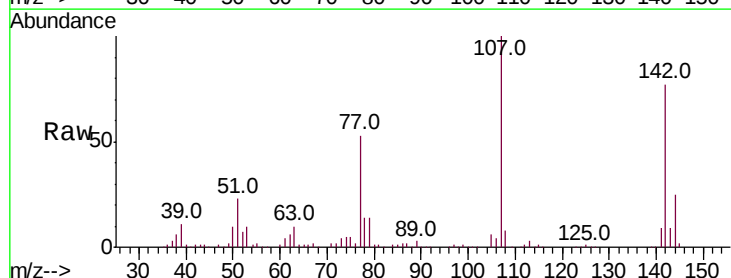
Tgt Ion:107 Resp: 417560

Ion Ratio Lower Upper

107 100

144 24.9 18.2 27.4

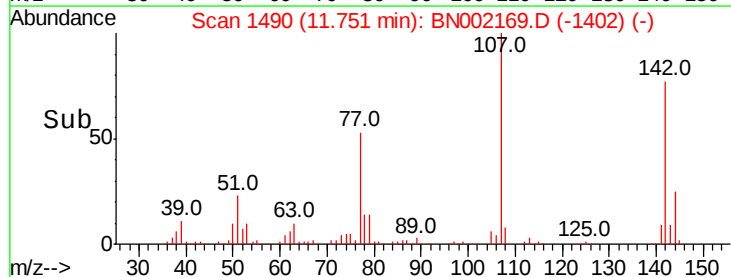
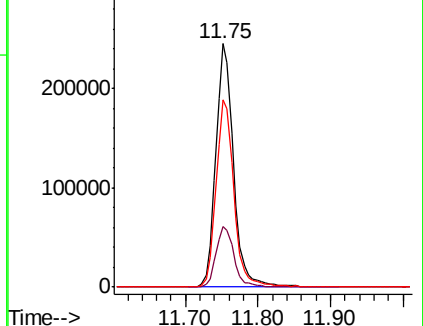
142 77.1 59.0 88.4

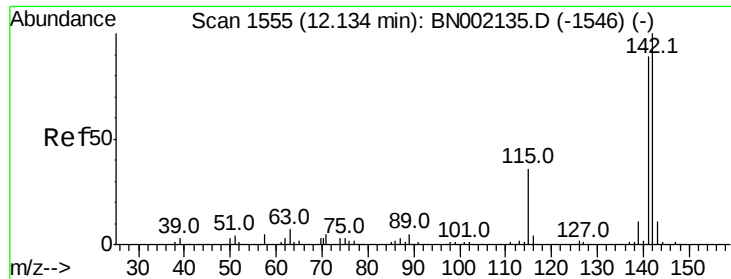


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

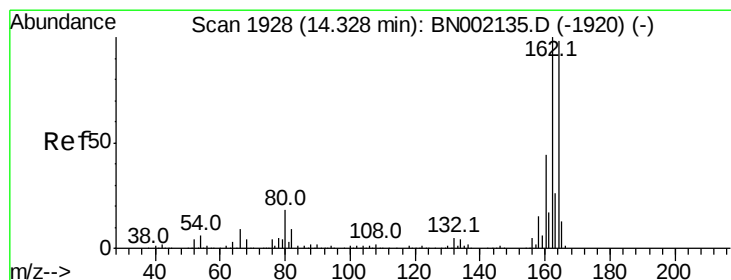
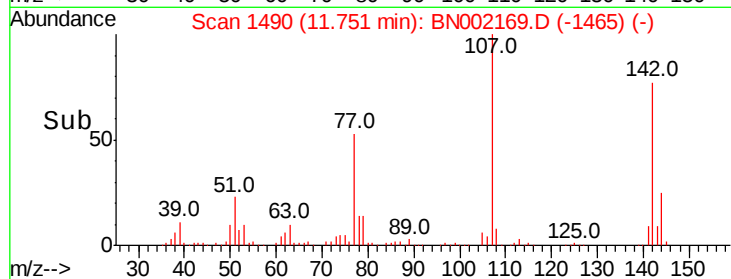
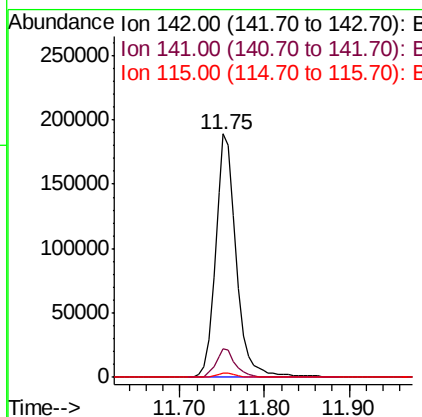
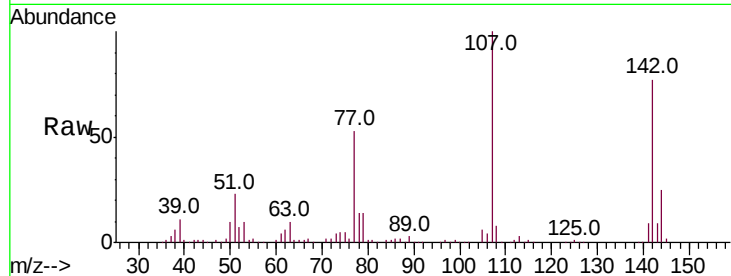




#37
 2-Methylnaphthalene
 Concen: 9.720 ng
 RT: 11.75 min Scan# 1490
 Delta R.T. -0.38 min
 Lab File: BN002169.D
 Acq: 26 Jul 2018 11:18

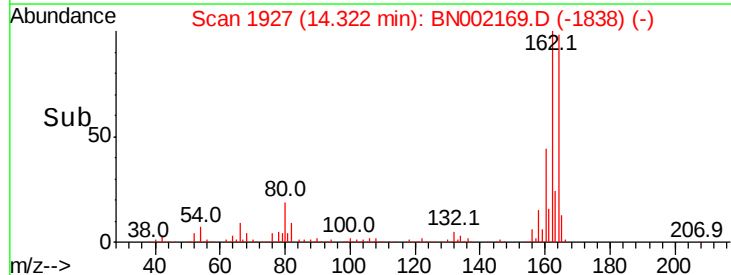
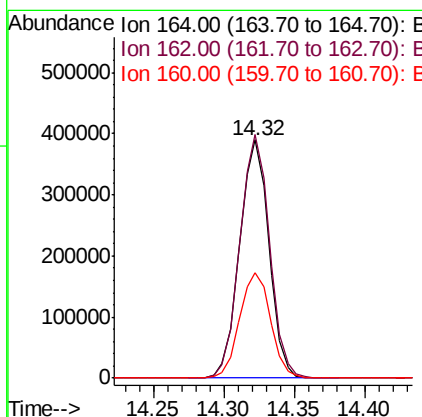
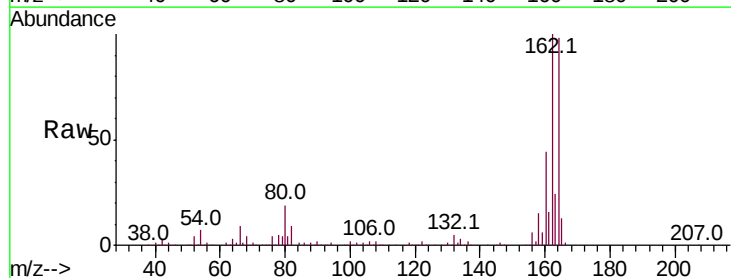
Instrument :
 BNA_N
 ClientSampled :

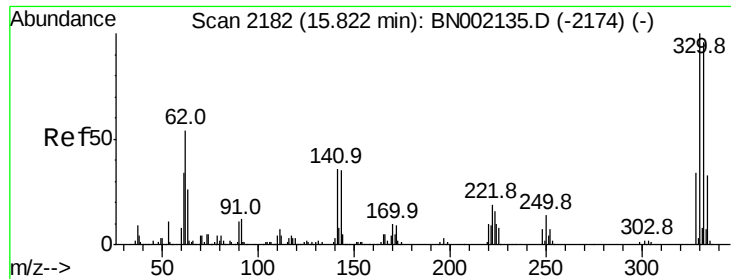
Tot Ion:142 Resp: 323893
 Ion Ratio Lower Upper
 142 100
 141 11.7 67.1 100.7#
 115 1.9 30.7 46.1#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.32 min Scan# 1927
 Delta R.T. -0.01 min
 Lab File: BN002169.D
 Acq: 26 Jul 2018 11:18

Tgt Ion:164 Resp: 565110
 Ion Ratio Lower Upper
 164 100
 162 102.2 78.8 118.2
 160 44.5 35.4 53.0

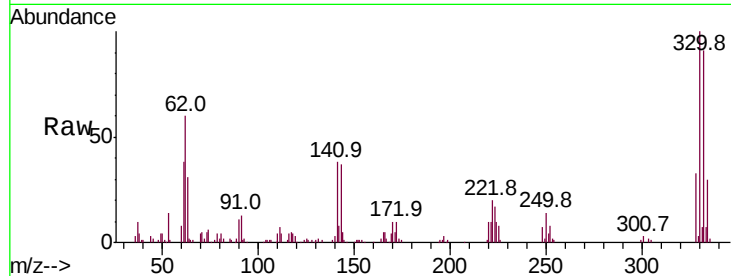




#41
 2,4,6-Tribromophenol
 Concen: 30.178 ng
 RT: 15.81 min Scan# 2180
 Delta R.T. -0.01 min
 Lab File: BN002169.D
 Acq: 26 Jul 2018 11:18

Instrument :
 BNA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	37.2	25.2	37.8

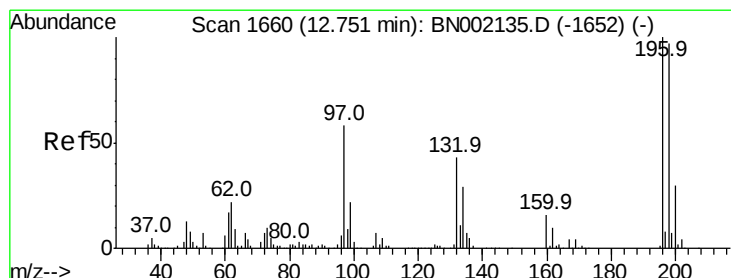
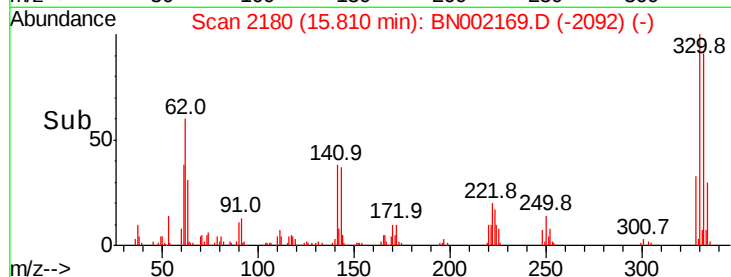
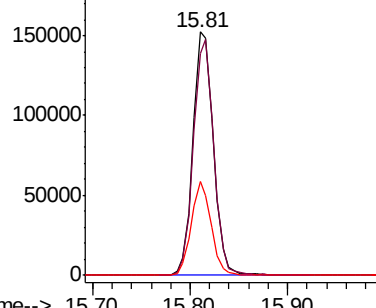


Abundance

Ion 329.80 (329.50 to 330.50): E

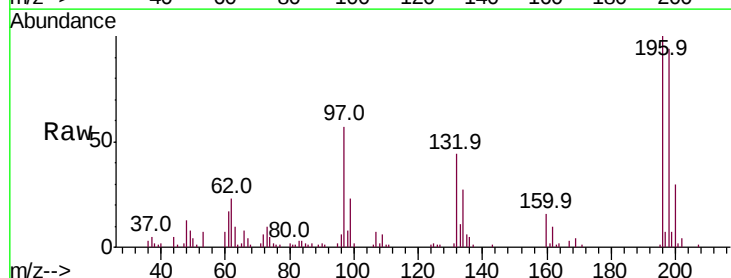
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42
 2,4,6-Trichlorophenol
 Concen: 7.285 ng
 RT: 12.75 min Scan# 1659
 Delta R.T. -0.01 min
 Lab File: BN002169.D
 Acq: 26 Jul 2018 11:18

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.5	78.2	117.2
200	29.8	24.6	36.8

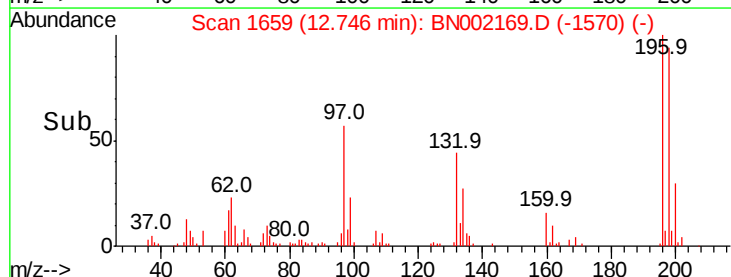
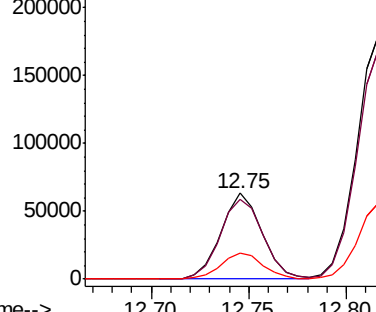


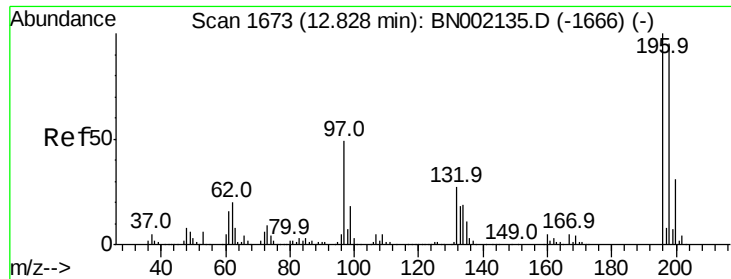
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

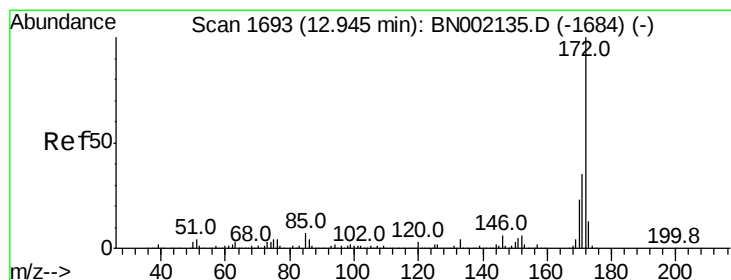
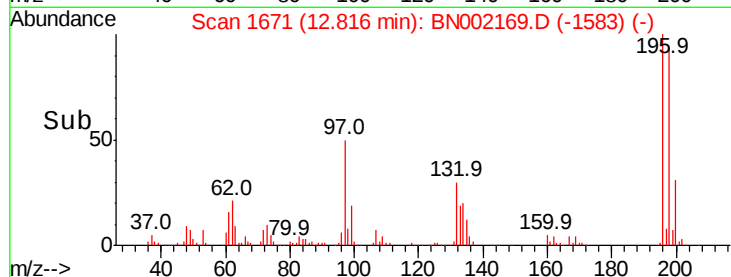
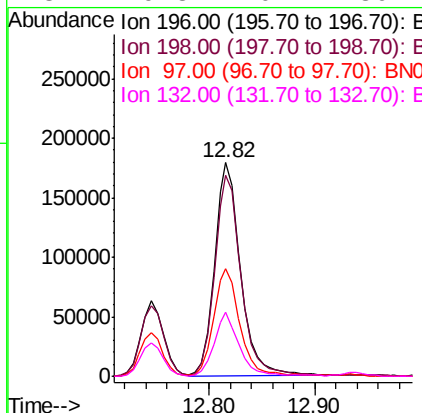
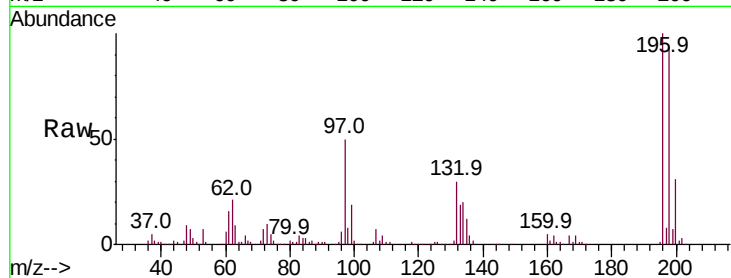




#43
 2,4,5-Trichlorophenol
 Concen: 22.721 ng
 RT: 12.82 min Scan# 1671
 Delta R.T. -0.01 min
 Lab File: BN002169.D
 Acq: 26 Jul 2018 11:18

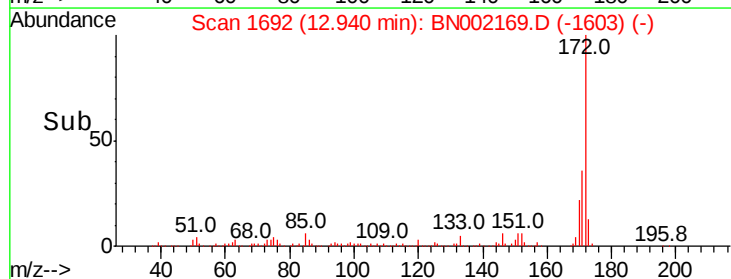
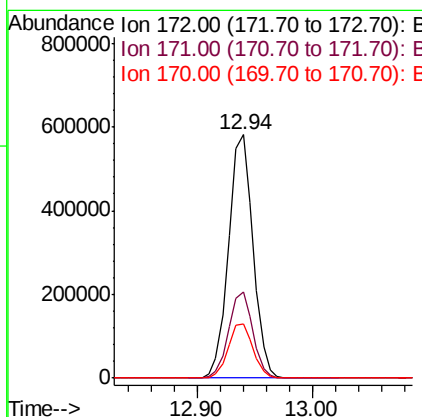
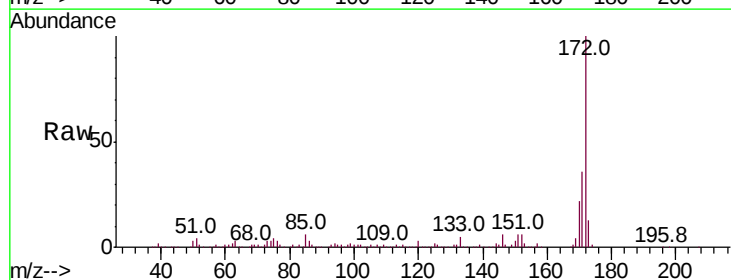
Instrument :
 BNA_N
 ClientSampleId :

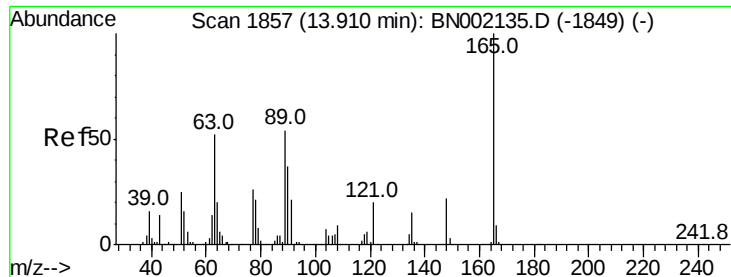
Tot Ion:	196	Resp:	306850
Ion	Ratio	Lower	Upper
196	100		
198	94.3	76.2	114.4
97	50.2	38.7	58.1
132	29.8	20.2	30.2



#44
 2-Fluorobiphenyl
 Concen: 19.601 ng
 RT: 12.94 min Scan# 1692
 Delta R.T. -0.01 min
 Lab File: BN002169.D
 Acq: 26 Jul 2018 11:18

Tgt Ion:	172	Resp:	850434
Ion	Ratio	Lower	Upper
172	100		
171	35.6	30.0	45.0
170	22.4	19.5	29.3

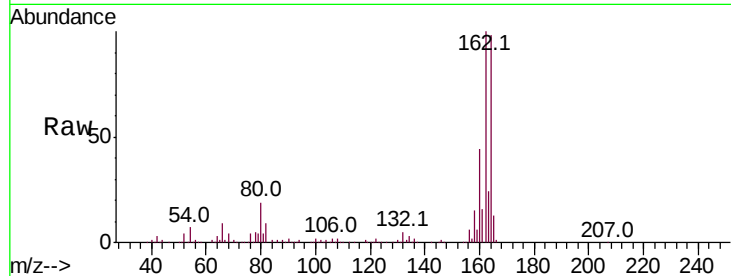




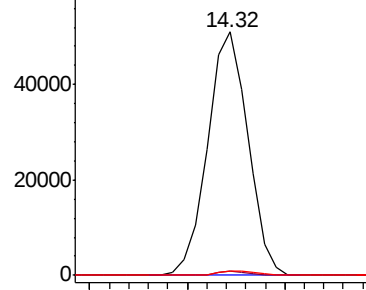
#50
2,6-Dinitrotoluene
Concen: 7.000 ng
RT: 14.32 min Scan# 1927
Delta R.T. 0.41 min
Lab File: BN002169.D
Acq: 26 Jul 2018 11:18

Instrument :
BNA_N
ClientSampleId :

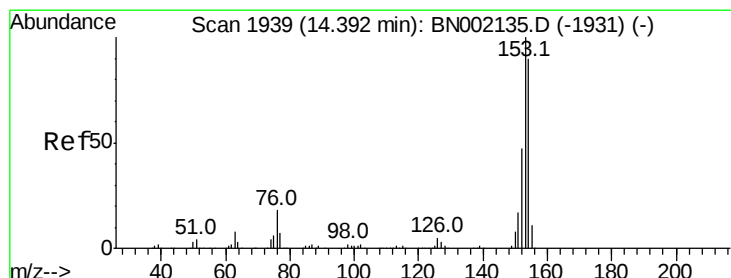
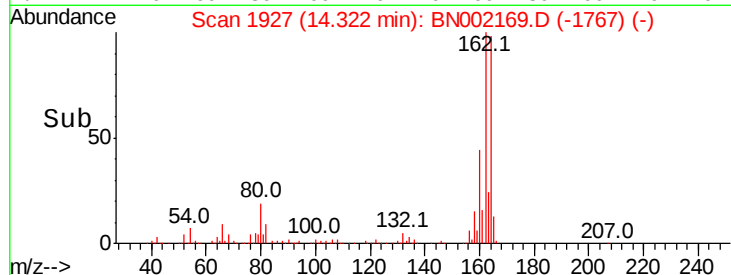
Tot Ion:165 Resp: 72998
Ion Ratio Lower Upper
165 100
63 1.6 52.7 79.1#
89 1.7 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BNO
Ion 89.00 (88.70 to 89.70): BNO

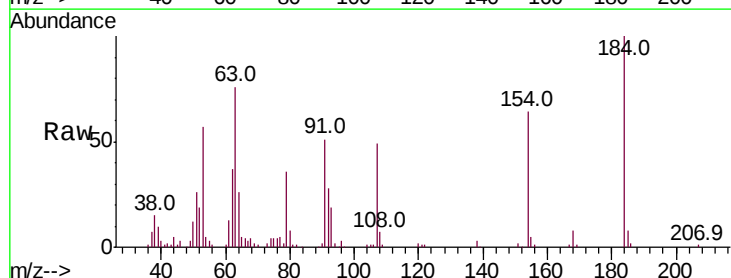


Time--> 14.25 14.30 14.35

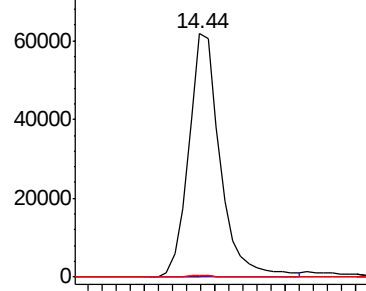


#51
Acenaphthene
Concen: 2.734 ng
RT: 14.44 min Scan# 1947
Delta R.T. 0.05 min
Lab File: BN002169.D
Acq: 26 Jul 2018 11:18

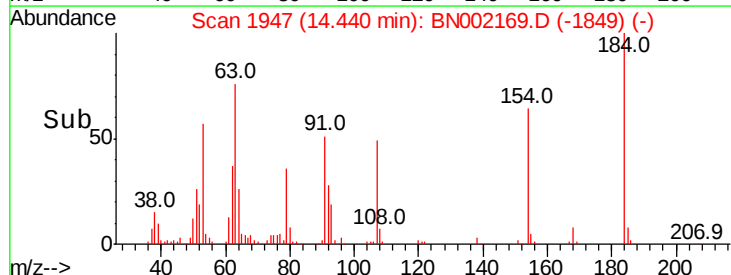
Tgt Ion:154 Resp: 95940
Ion Ratio Lower Upper
154 100
153 0.0 90.4 135.6#
152 0.7 41.6 62.4#

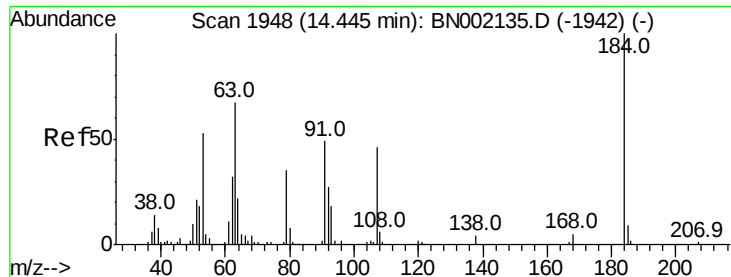


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



Time--> 14.40 14.45 14.50

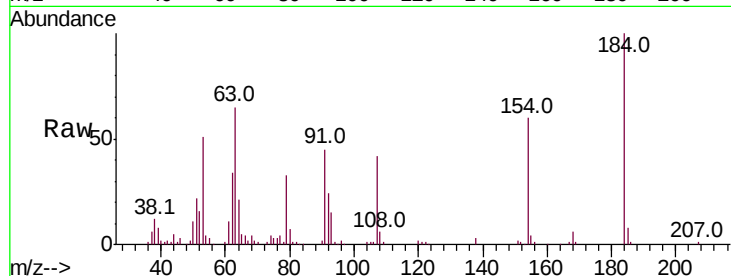




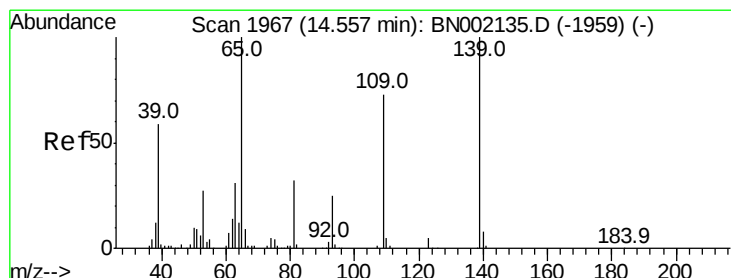
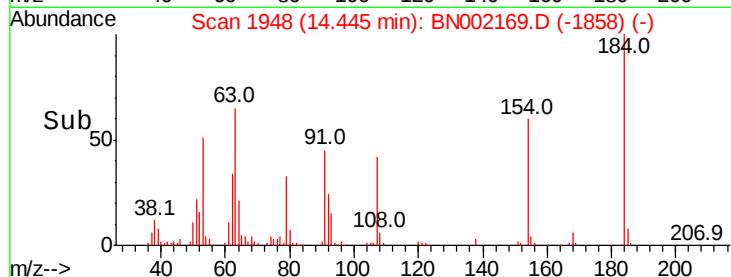
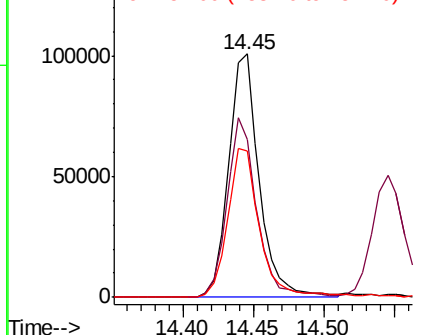
#53
2,4-Dinitrophenol
Concen: 27.469 ng
RT: 14.45 min Scan# 1948
Delta R.T. 0.00 min
Lab File: BN002169.D
Acq: 26 Jul 2018 11:18

Instrument :
BNA_N
ClientSampled :

Tot Ion:184 Resp: 151685
Ion Ratio Lower Upper
184 100
63 65.0 56.0 84.0
154 60.1 48.0 72.0

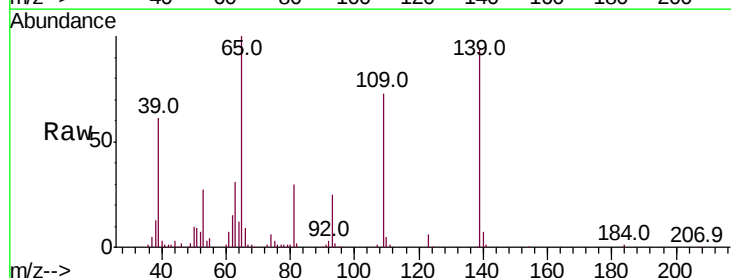


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BNO
Ion 154.00 (153.70 to 154.70): E

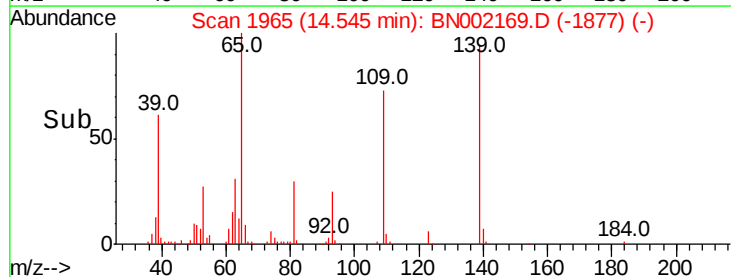
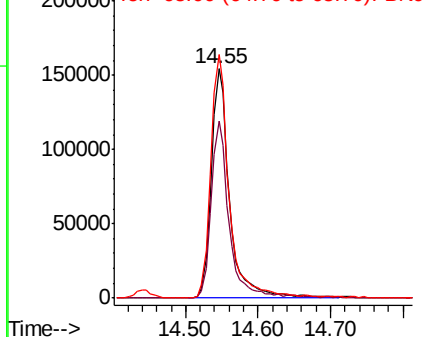


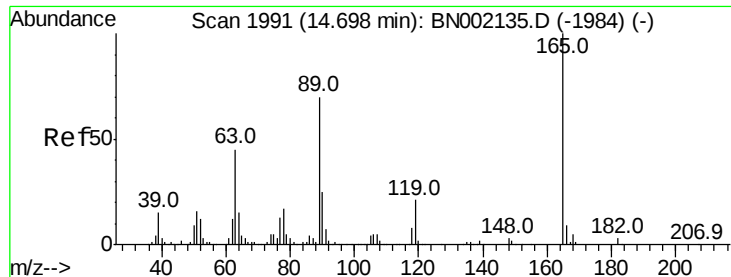
#55
4-Nitrophenol
Concen: 31.220 ng
RT: 14.55 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BN002169.D
Acq: 26 Jul 2018 11:18

Tgt Ion:139 Resp: 270832
Ion Ratio Lower Upper
139 100
109 77.3 62.2 102.2
65 106.4 97.2 137.2



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

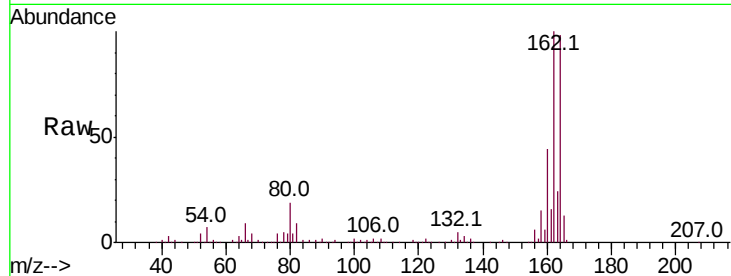




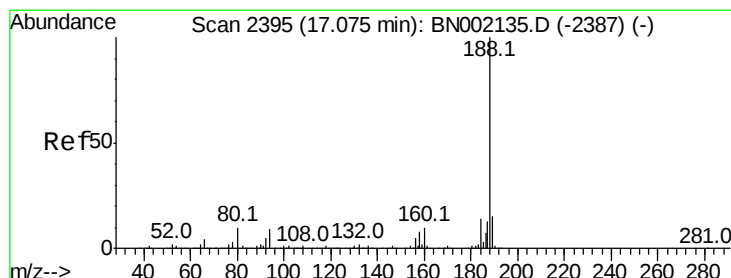
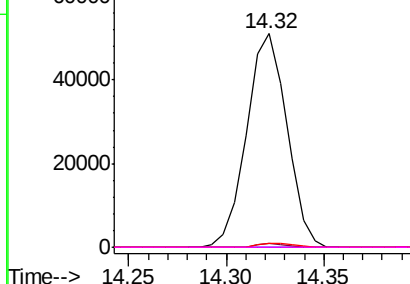
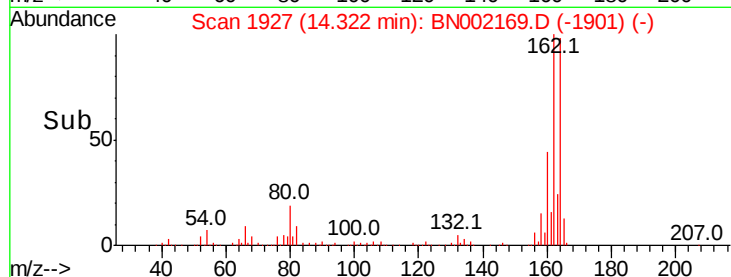
#56
 2,4-Dinitrotoluene
 Concen: 5.157 ng
 RT: 14.32 min Scan# 1927
 Delta R.T. -0.38 min
 Lab File: BN002169.D
 Acq: 26 Jul 2018 11:18

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:165 Resp: 72998
 Ion Ratio Lower Upper
 165 100
 63 1.6 42.0 63.0#
 89 1.7 66.9 100.3#
 182 0.0 2.6 3.8#

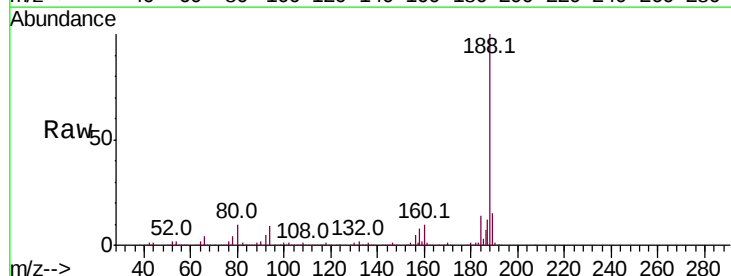


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BNC
 Ion 89.00 (88.70 to 89.70): BNC
 Ion 182.00 (181.70 to 182.70): E

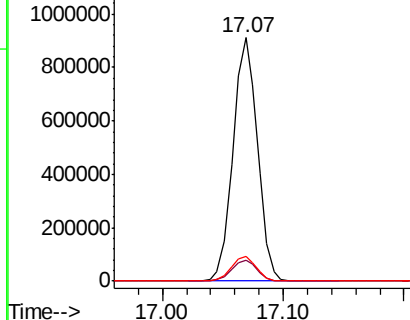
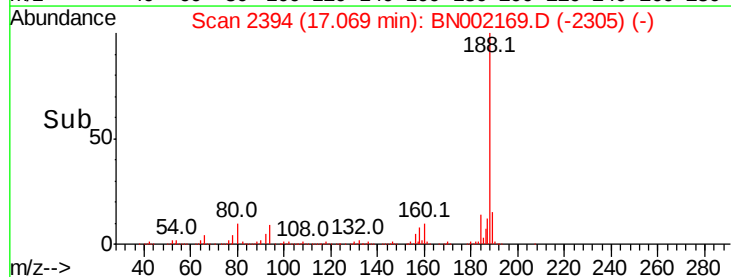


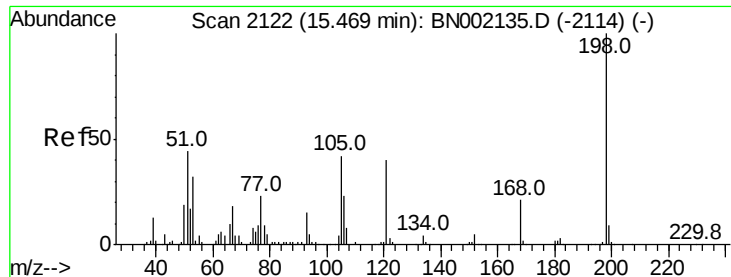
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.07 min Scan# 2394
 Delta R.T. -0.01 min
 Lab File: BN002169.D
 Acq: 26 Jul 2018 11:18

Tgt Ion:188 Resp: 1286601
 Ion Ratio Lower Upper
 188 100
 94 8.8 6.9 10.3
 80 10.4 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BNC
 Ion 80.00 (79.70 to 80.70): BNC

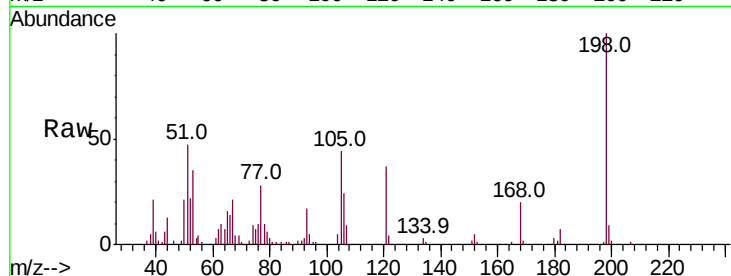




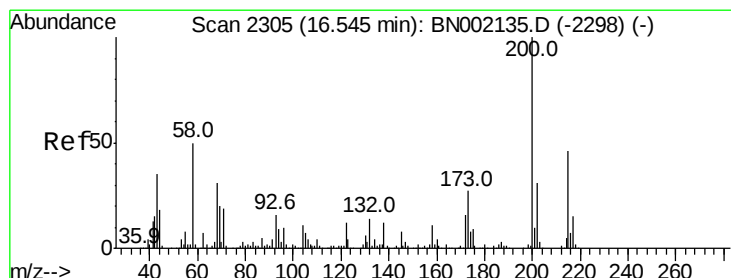
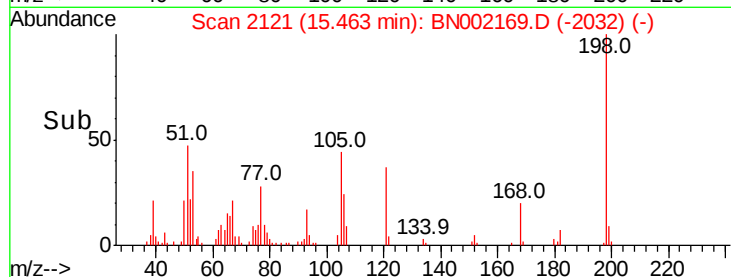
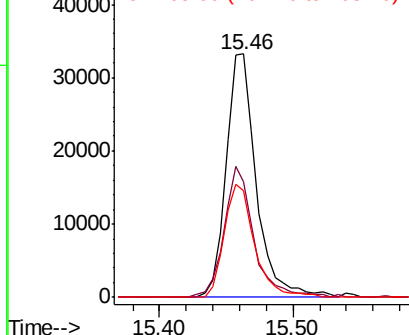
#64
4,6-Dinitro-2-methylphenol
Concen: 6.060 ng
RT: 15.46 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BN002169.D
Acq: 26 Jul 2018 11:18

Instrument :
BNA_N
ClientSampleId :

Tot Ion:198 Resp: 52636
Ion Ratio Lower Upper
198 100
51 47.3 30.6 70.6
105 43.6 23.8 63.8

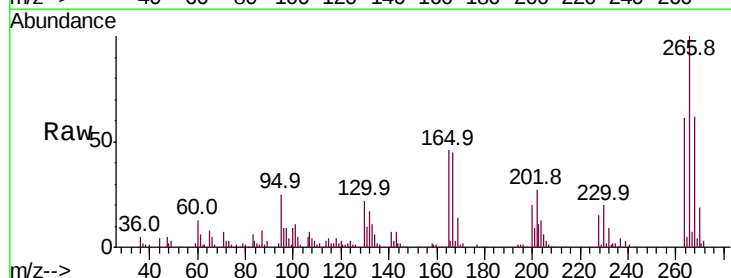


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BNO
Ion 105.00 (104.70 to 105.70): E

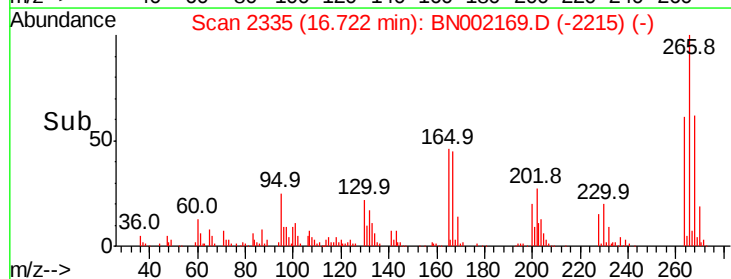
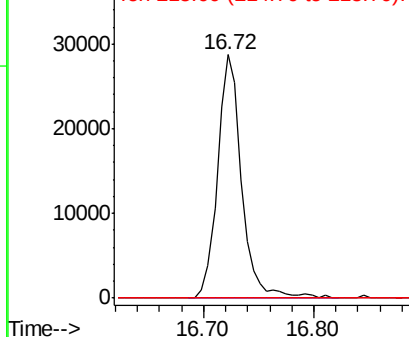


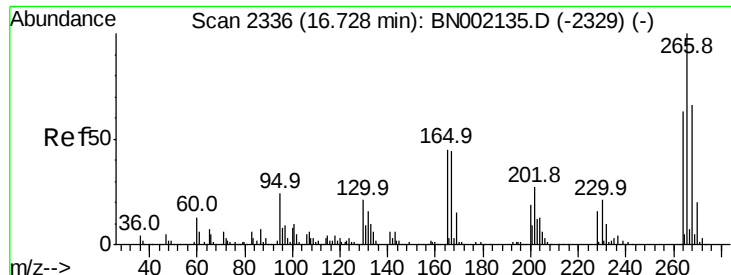
#68
Atrazine
Concen: 3.003 ng
RT: 16.72 min Scan# 2335
Delta R.T. 0.18 min
Lab File: BN002169.D
Acq: 26 Jul 2018 11:18

Tgt Ion:200 Resp: 43168
Ion Ratio Lower Upper
200 100
173 0.0 5.2 45.2#
215 0.0 30.4 70.4#



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

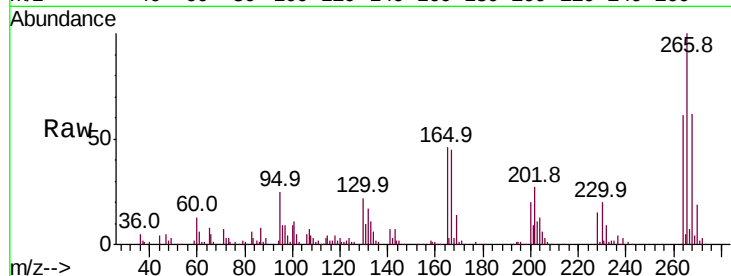




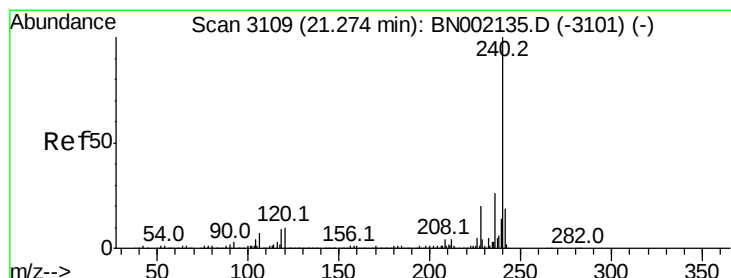
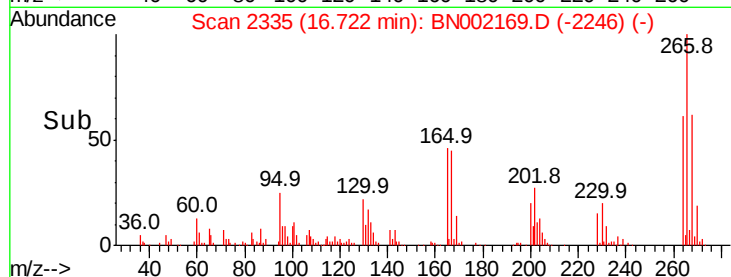
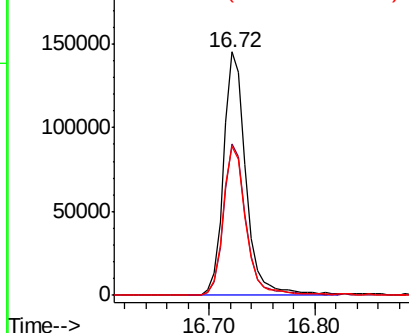
#69
 Pentachlorophenol
 Concen: 19.943 ng
 RT: 16.72 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: BN002169.D
 Acq: 26 Jul 2018 11:18

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
266	100		
268	62.4	51.1	76.7
264	61.2	49.6	74.4

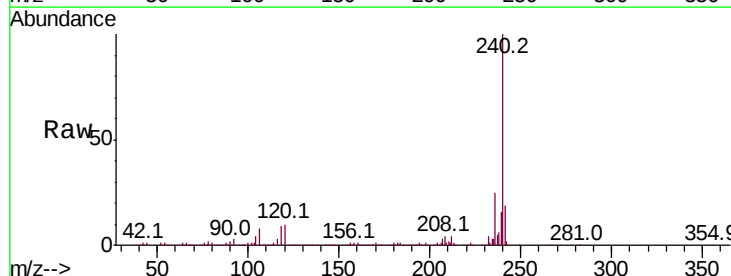


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

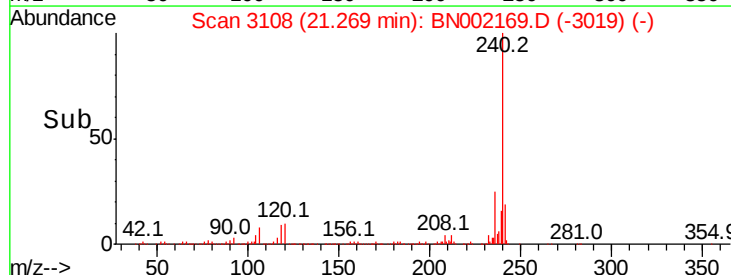
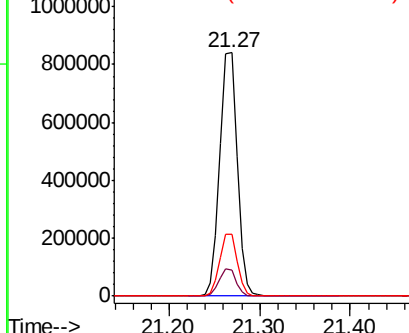


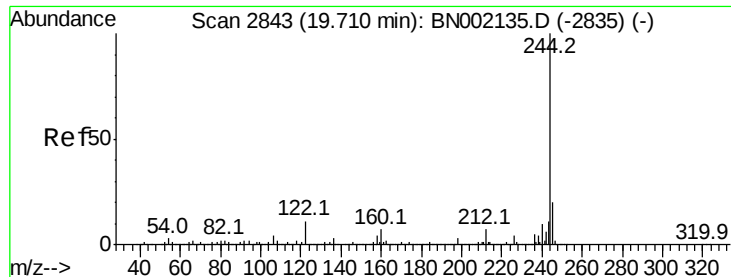
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.27 min Scan# 3108
 Delta R.T. -0.01 min
 Lab File: BN002169.D
 Acq: 26 Jul 2018 11:18

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.4	6.8	10.2#
236	25.4	20.9	31.3



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 23.033 ng

RT: 19.70 min Scan# 2842

Delta R.T. -0.01 min

Lab File: BN002169.D

Acq: 26 Jul 2018 11:18

Instrument :

BNA_N

ClientSampled :

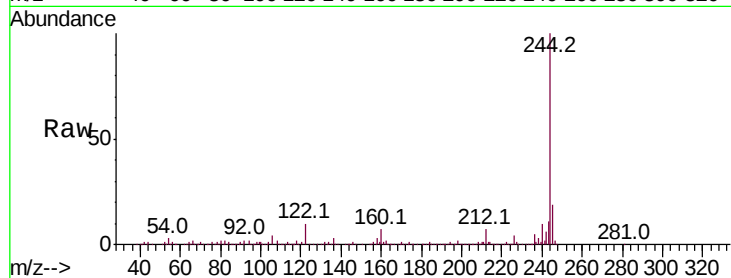
Tot Ion:244 Resp: 1243341

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

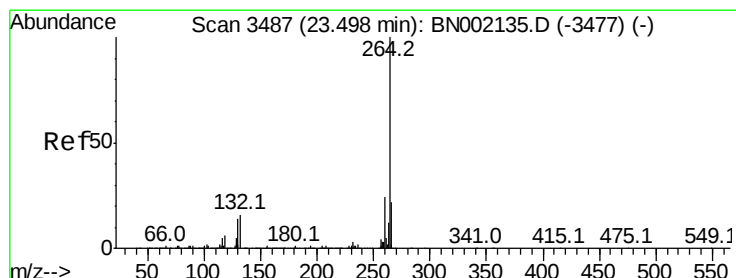
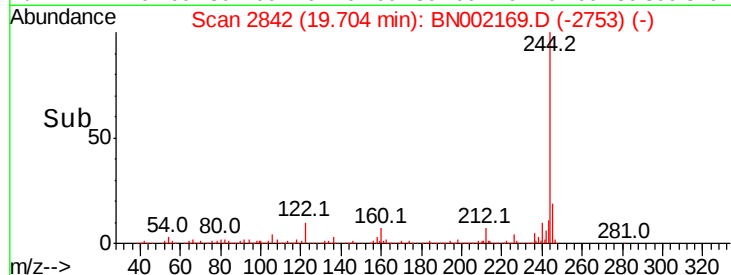
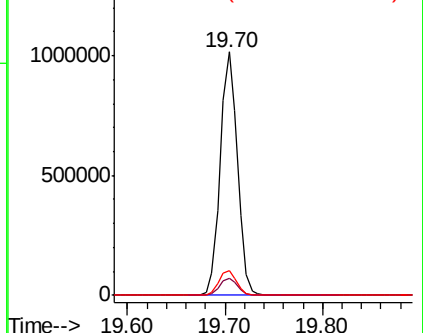
122 10.3 7.0 10.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.49 min Scan# 3486

Delta R.T. -0.01 min

Lab File: BN002169.D

Acq: 26 Jul 2018 11:18

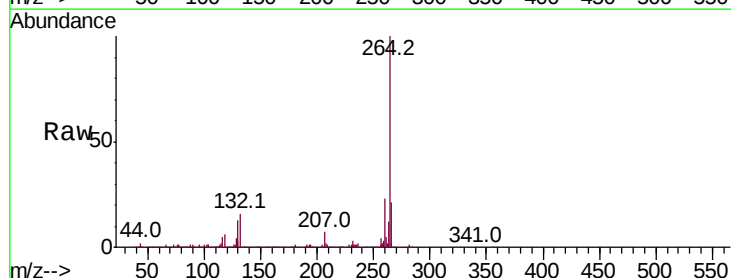
Tgt Ion:264 Resp: 952991

Ion Ratio Lower Upper

264 100

260 23.0 17.4 26.0

265 20.9 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

