

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072618\
 Data File : BN002173.D
 Acq On : 26 Jul 2018 15:32
 Operator : JU/SJ
 Sample : J4086-01DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 27 01:20:33 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	223386	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	982028	20.00	ng	0.00
38) Acenaphthene-d10	14.32	164	548041	20.00	ng	0.00
63) Phenanthrene-d10	17.07	188	1074876	20.00	ng	0.00
75) Chrysene-d12	21.27	240	839689	20.00	ng	0.00
86) Perylene-d12	23.49	264	817786	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	249004	17.95	ng	0.00
7) Phenol-d6	6.87	99	367621	18.88	ng	0.00
23) Nitrobenzene-d5	8.84	82	244433	12.76	ng	0.00
41) 2,4,6-Tribromophenol	15.82	330	150486	21.15	ng	0.00
44) 2-Fluorobiphenyl	12.94	172	606828	14.42	ng	0.00
78) Terphenyl-d14	19.70	244	777254	19.31	ng	0.00

Target Compounds

						Qvalue
8) 2-Chlorophenol	7.26	128	553910	34.421	ng	93
10) Phenol	6.90	94	581854	29.152	ng	98
12) 1,3-Dichlorobenzene	7.73	146	154802	8.441	ng	99
13) 1,4-Dichlorobenzene	7.73	146	154802	8.251	ng	97
14) 1,2-Dichlorobenzene	8.03	146	147235	8.135	ng	98
15) Benzyl Alcohol	8.13	79	250924	17.077	ng	# 1
16) 2,2'-oxybis(1-Chloropropan	8.22	45	494420	18.847	ng	94
17) 2-Methylphenol	8.13	107	533927	39.184	ng	96
18) Hexachloroethane	8.76	117	111484	16.236	ng	87
19) n-Nitroso-di-n-propylamine	8.49	70	337541	23.899	ng	# 97
20) 3+4-Methylphenols	8.13	107	533927	28.084	ng	# 69
25) Isophorone	9.40	82	1167302	35.502	ng	96
26) 2-Nitrophenol	9.59	139	76798	8.011	ng	96
29) 2,4-Dichlorophenol	10.12	162	389971	25.083	ng	95
31) Naphthalene	10.51	128	436424	8.806	ng	97
33) 4-Chloroaniline	10.51	127	57564	2.610	ng	# 28
34) Hexachlorobutadiene	10.80	225	153615	14.247	ng	97
42) 2,4,6-Trichlorophenol	12.75	196	360863	29.187	ng	99
43) 2,4,5-Trichlorophenol	12.82	196	271054	20.696	ng	97
46) 2-Chloronaphthalene	13.19	162	1339939	35.996	ng	99
48) Acenaphthylene	14.04	152	1943673	34.409	ng	98
49) Dimethylphthalate	13.78	163	349208	7.671	ng	100
50) 2,6-Dinitrotoluene	13.90	165	329213	32.551	ng	90
51) Acenaphthene	14.39	154	1262378	37.101	ng	99
54) Dibenzofuran	14.72	168	2286268	41.443	ng	96
55) 4-Nitrophenol	14.72	139	878686	104.443	ng	# 1
56) 2,4-Dinitrotoluene	14.32	165	69803	5.085	ng	# 18
57) Fluorene	15.37	166	1817428	43.709	ng	95
59) Diethylphthalate	15.15	149	1871635	40.393	ng	98
66) 4-Bromophenyl-phenylether	16.26	248	311912	24.788	ng	# 90
68) Atrazine	16.72	200	24362	2.029	ng	# 35
69) Pentachlorophenol	16.72	266	127588	14.241	ng	99
70) Phenanthrene	17.11	178	2015903	34.359	ng	100
71) Anthracene	17.20	178	671739	11.567	ng	97

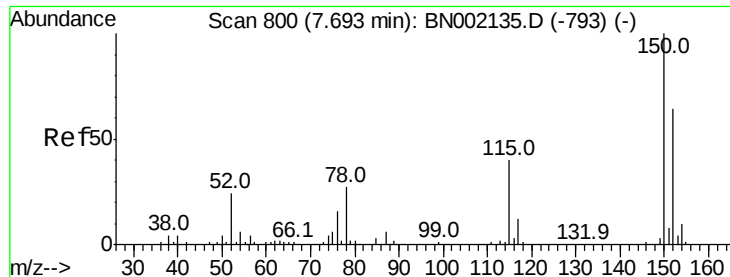
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072618\
 Data File : BN002173.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Butylbenzylphthalate	20.41	149	682165	27.063	nq	92
80) Benzo(a)anthracene	21.25	228	1435277	28.044	nq	98
82) Chrysene	21.25	228	1435277	29.455	nq	94
83) Bis(2-ethylhexyl)phthalate	21.19	149	791305	22.512	nq	96
84) Di-n-octyl phthalate	22.07	149	891374	15.993	nq	98
85) Indeno(1,2,3-cd)pyrene	25.72	276	569543	11.988	nq #	93
87) Benzo(b)fluoranthene	22.83	252	1080717	22.392	nq	98
88) Benzo(k)fluoranthene	22.87	252	2152602	45.287	nq #	98
89) Benzo(a)pyrene	23.40	252	2112822	46.874	nq	97
90) Dibenzo(a,h)anthracene	25.73	278	616810	14.575	nq #	95

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

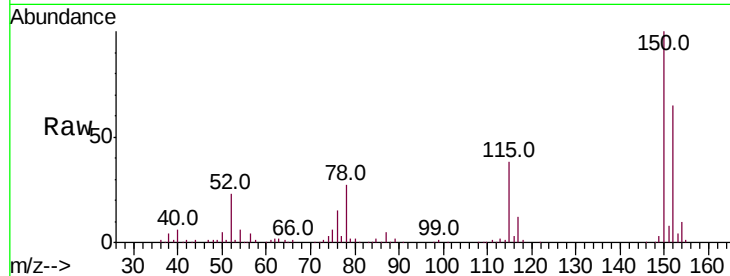


#1

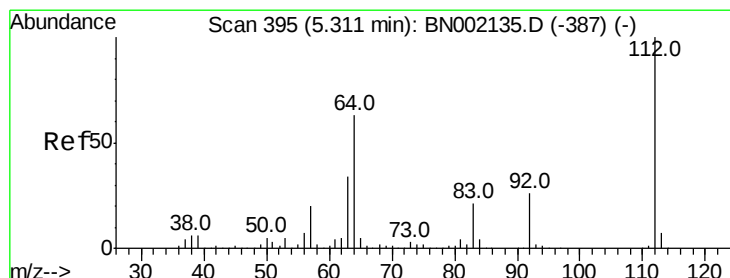
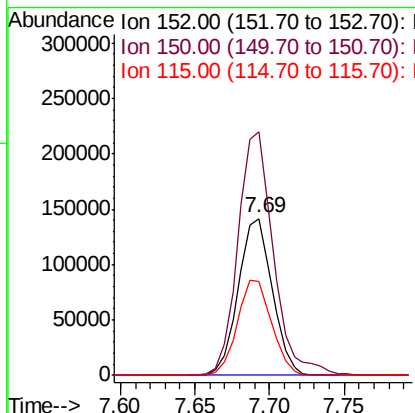
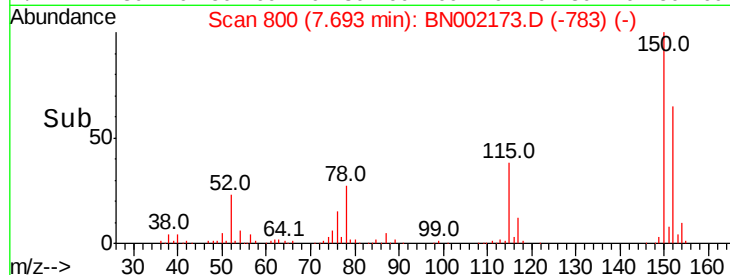
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 800
Delta R.T. 0.00 min
Lab File: BN002173.D
Acq: 26 Jul 2018 15:32

Instrument :
BNA_N
ClientSampled :

Tot Ion:152 Resp: 223386
Ion Ratio Lower Upper
152 100
150 154.9 126.6 189.8
115 59.5 53.0 79.4



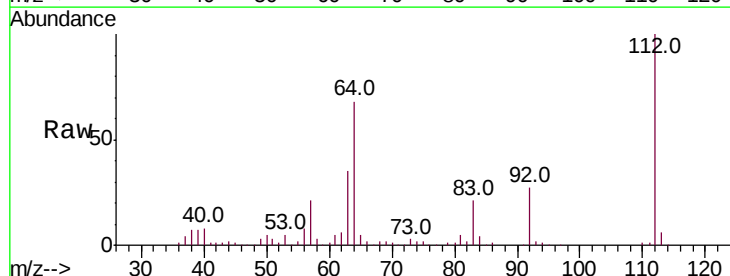
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



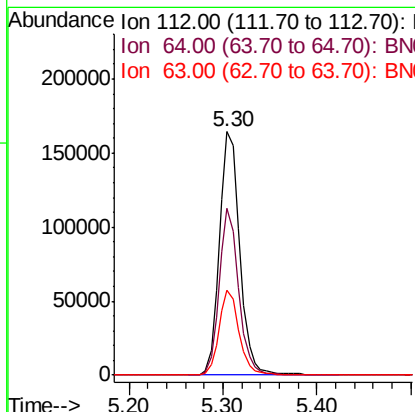
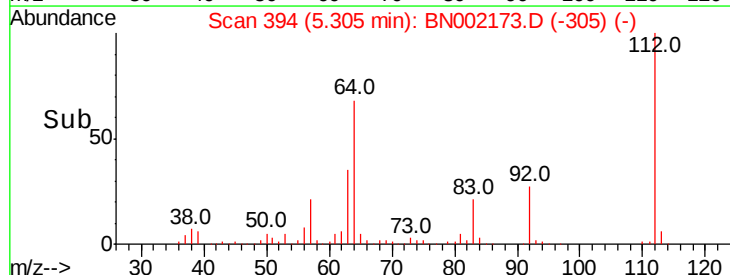
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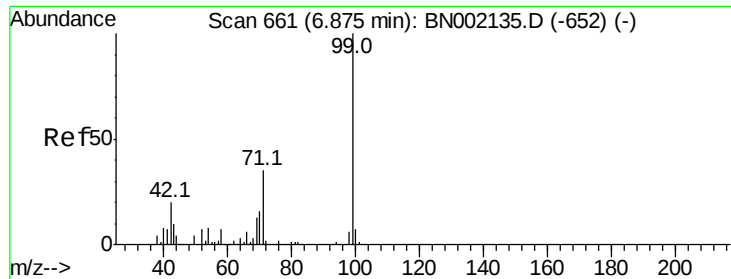
2-Fluorophenol
Concen: 17.946 ng
RT: 5.30 min Scan# 394
Delta R.T. -0.01 min
Lab File: BN002173.D
Acq: 26 Jul 2018 15:32

Tgt Ion:112 Resp: 249004
Ion Ratio Lower Upper
112 100
64 68.3 56.3 84.5
63 34.7 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: 18.880 ng

RT: 6.87 min Scan# 660

Delta R.T. -0.01 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

Instrument :

BNA_N

ClientSampleId :

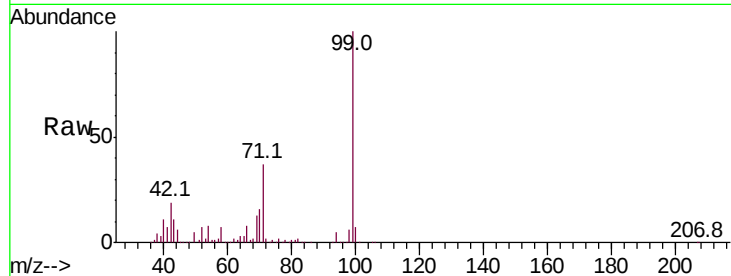
Tot Ion: 99 Resp: 367621

Ion Ratio Lower Upper

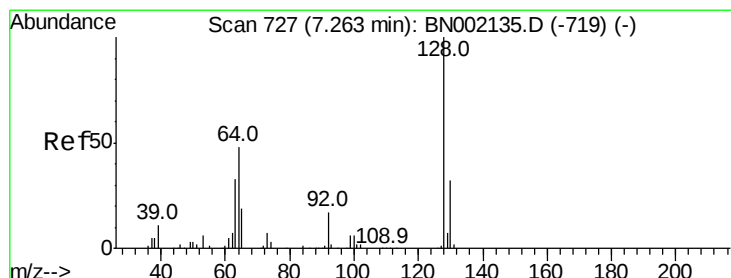
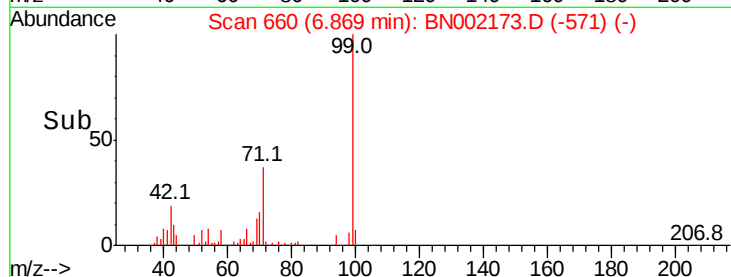
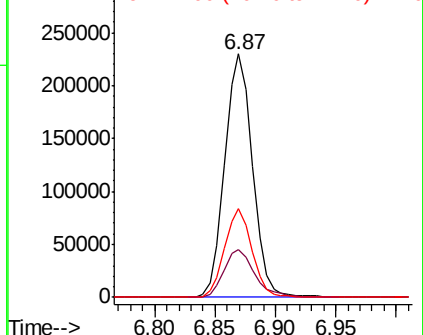
99 100

42 19.5 14.1 21.1

71 36.5 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



#8

2-Chlorophenol

Concen: 34.421 ng

RT: 7.26 min Scan# 726

Delta R.T. -0.01 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

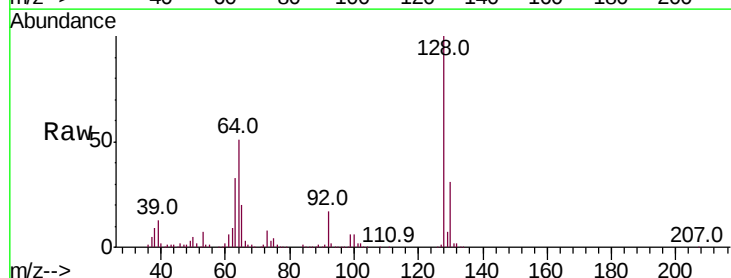
Tgt Ion:128 Resp: 553910

Ion Ratio Lower Upper

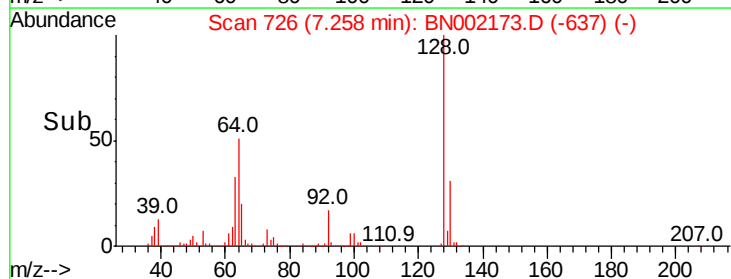
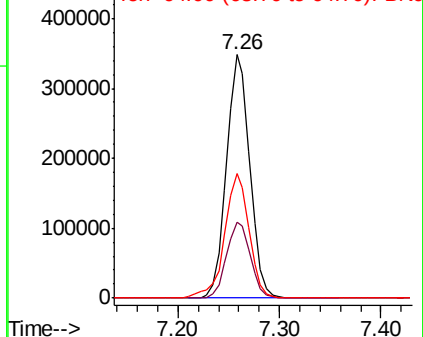
128 100

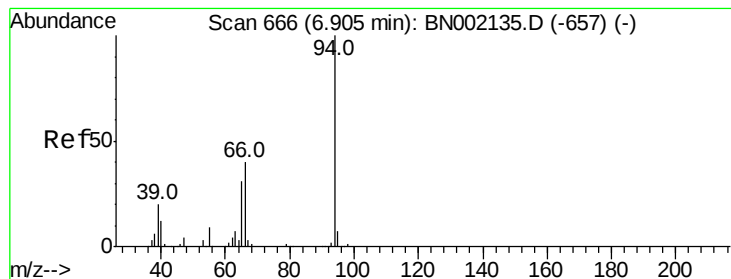
130 31.4 14.0 54.0

64 51.4 37.7 77.7



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BNC





#10

Phenol

Concen: 29.152 ng

RT: 6.90 min Scan# 665

Delta R.T. -0.01 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

Instrument :

BNA_N

ClientSampleId :

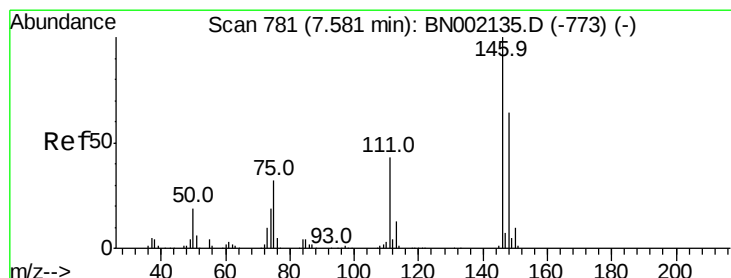
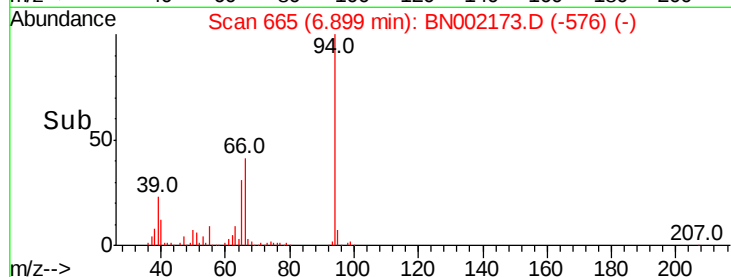
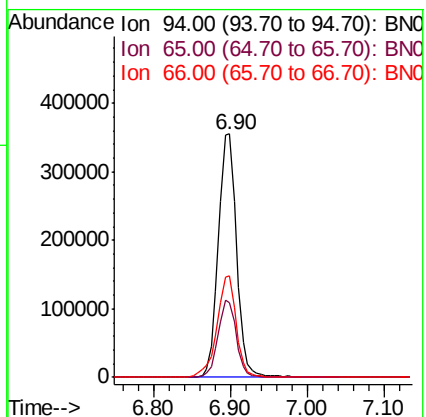
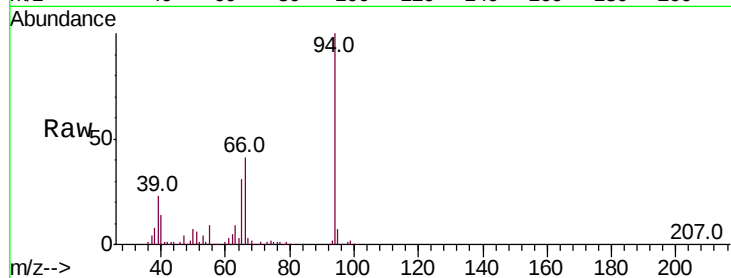
Tot Ion: 94 Resp: 581854

Ion Ratio Lower Upper

94 100

65 30.8 11.9 51.9

66 41.4 22.2 62.2



#12

1,3-Dichlorobenzene

Concen: 8.441 ng

RT: 7.73 min Scan# 806

Delta R.T. 0.15 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

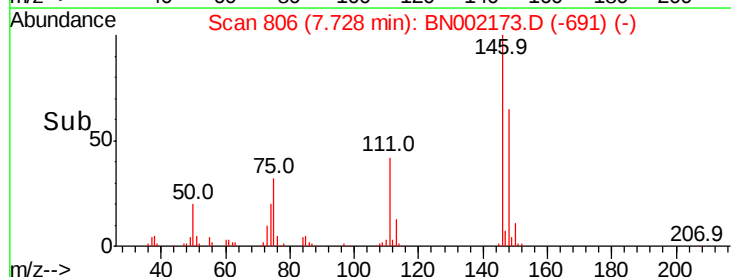
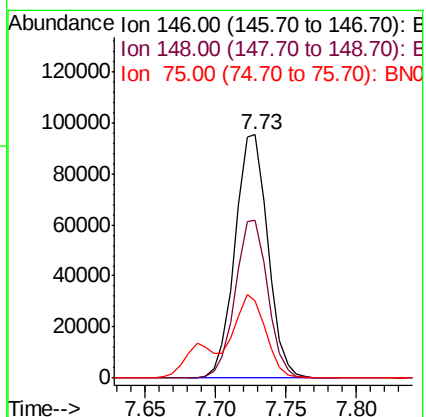
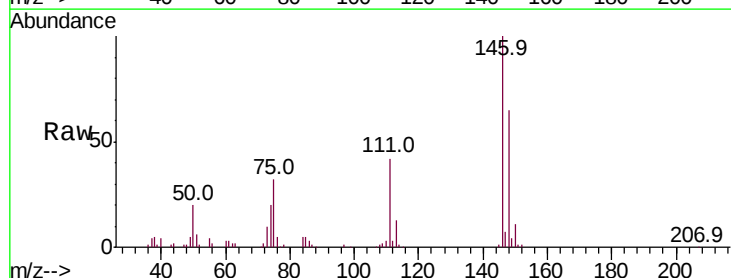
Tgt Ion: 146 Resp: 154802

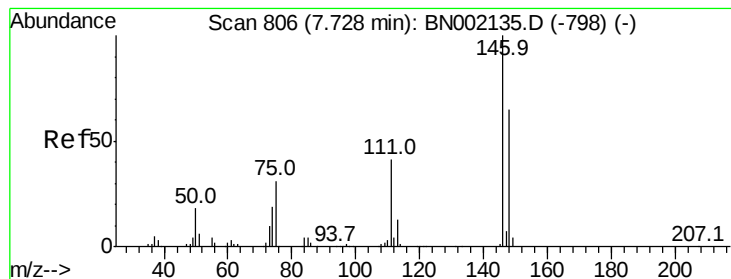
Ion Ratio Lower Upper

146 100

148 64.8 51.4 77.2

75 32.0 26.6 39.8





#13

1,4-Dichlorobenzene

Concen: 8.251 ng

RT: 7.73 min Scan# 806

Delta R.T. 0.00 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

Instrument :

BNA_N

ClientSampleId :

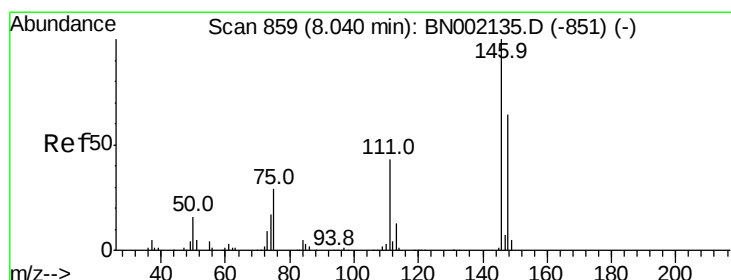
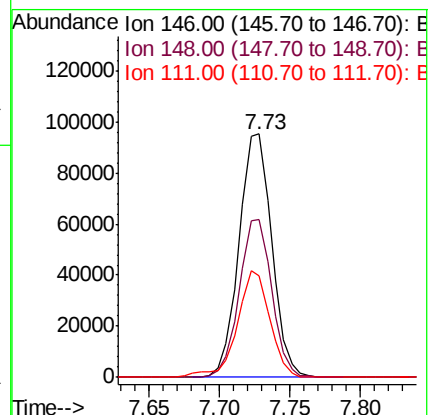
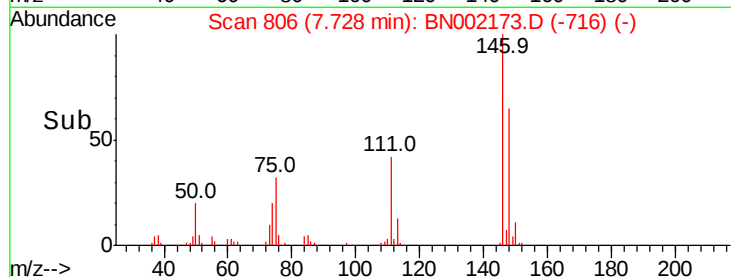
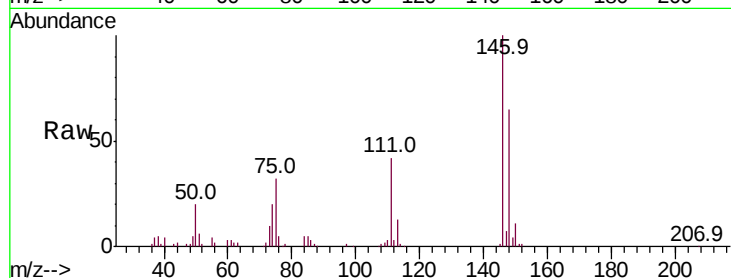
Tot Ion:146 Resp: 154802

Ion Ratio Lower Upper

146 100

148 64.8 53.7 80.5

111 41.8 35.2 52.8



#14

1,2-Dichlorobenzene

Concen: 8.135 ng

RT: 8.03 min Scan# 858

Delta R.T. -0.01 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

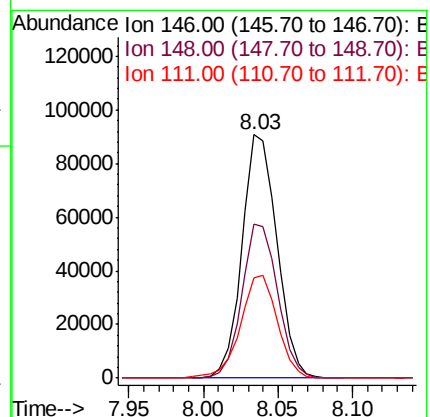
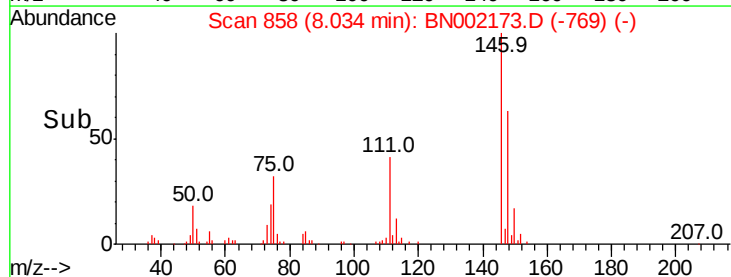
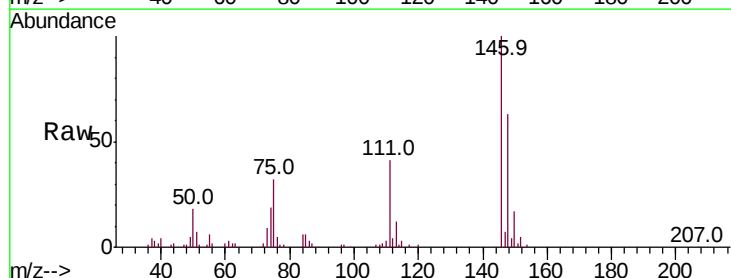
Tgt Ion:146 Resp: 147235

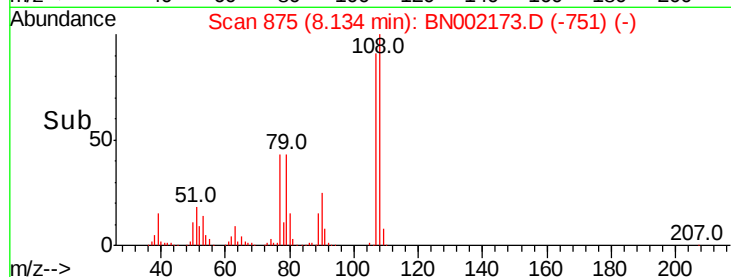
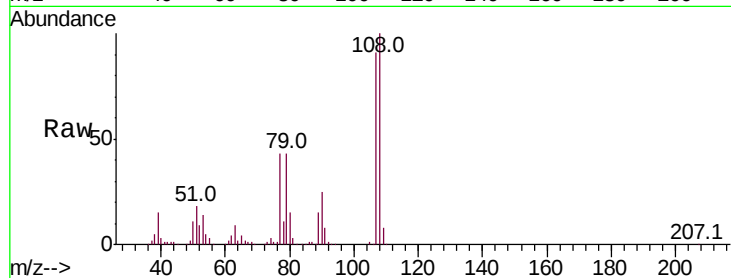
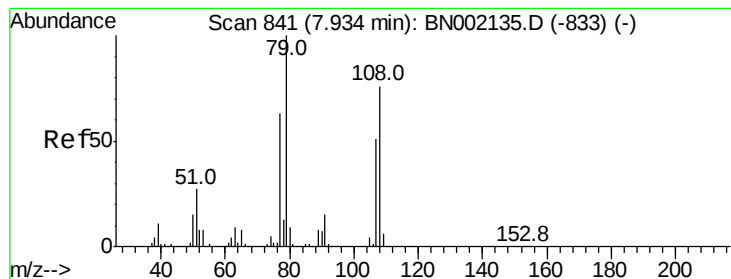
Ion Ratio Lower Upper

146 100

148 63.2 49.3 73.9

111 41.3 34.3 51.5





#15

Benzyl Alcohol

Concen: 17.077 ng

RT: 8.13 min Scan# 875

Delta R.T. 0.20 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

Instrument :

BNA_N

ClientSampled :

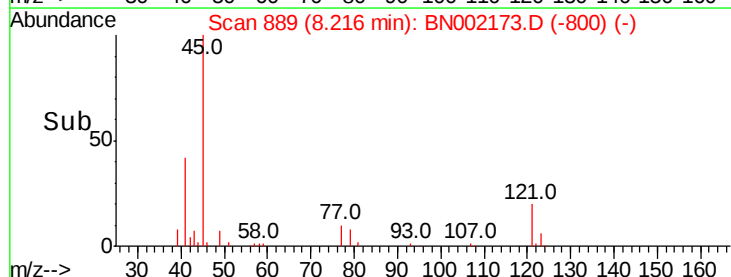
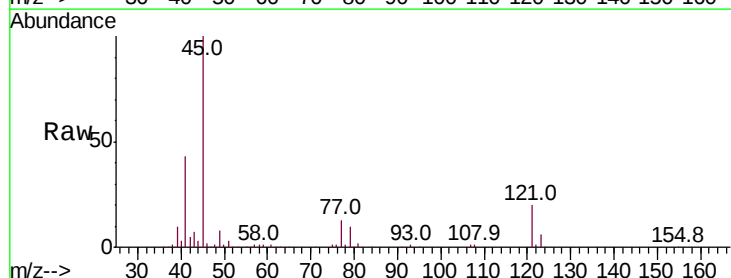
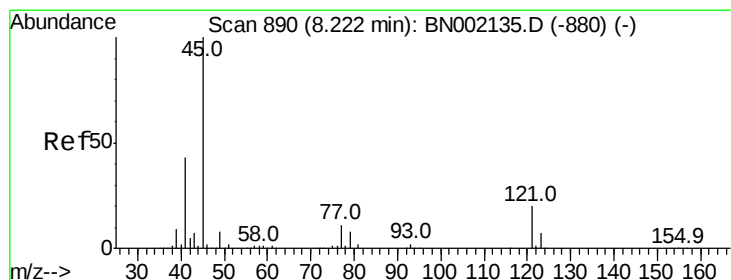
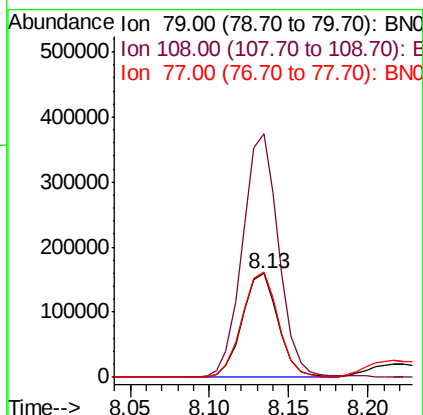
Tot Ion: 79 Resp: 250924

Ion Ratio Lower Upper

79 100

108 234.8 57.2 85.8#

77 102.0 46.1 69.1#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 18.847 ng

RT: 8.22 min Scan# 889

Delta R.T. -0.01 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

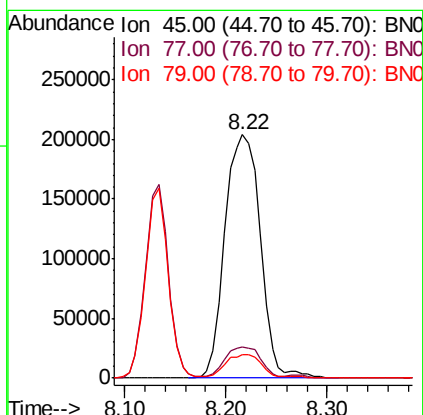
Tgt Ion: 45 Resp: 494420

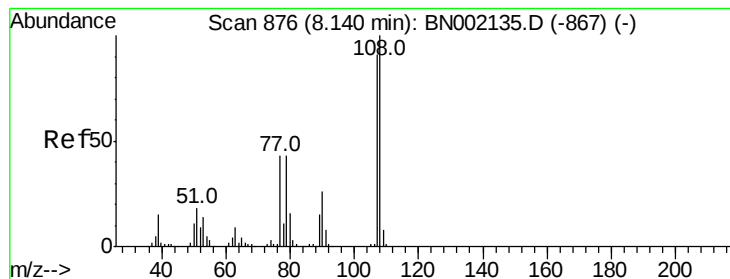
Ion Ratio Lower Upper

45 100

77 12.9 0.0 30.2

79 9.5 0.0 27.9

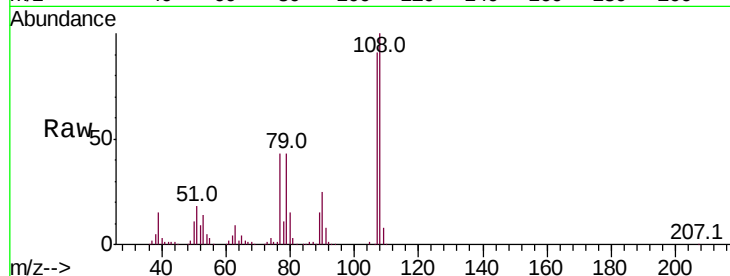




#17
2-Methylphenol
Concen: 39.184 ng
RT: 8.13 min Scan# 875
Delta R.T. -0.01 min
Lab File: BN002173.D
Acq: 26 Jul 2018 15:32

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
107	100		
108	110.4	83.9	125.9
77	48.0	37.2	55.8
79	47.0	36.2	54.2



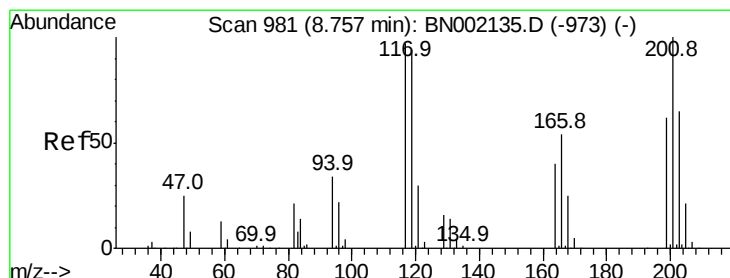
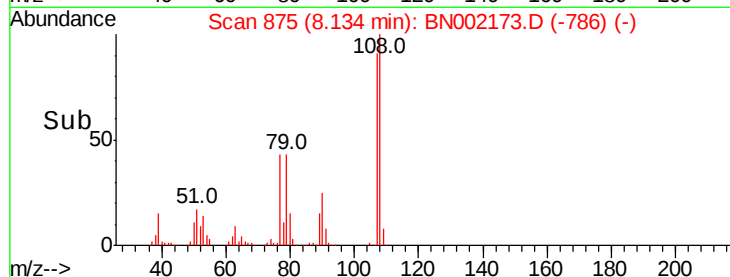
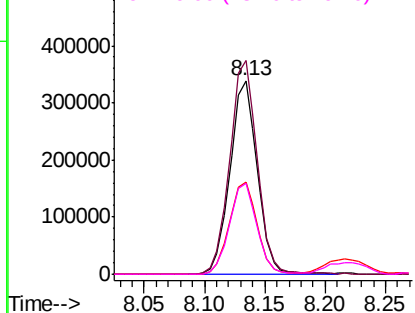
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

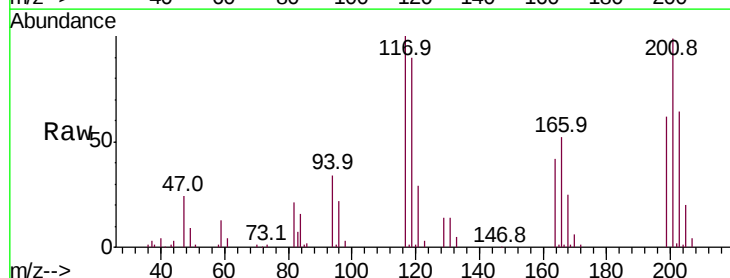
Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC



#18
Hexachloroethane
Concen: 16.236 ng
RT: 8.76 min Scan# 981
Delta R.T. 0.00 min
Lab File: BN002173.D
Acq: 26 Jul 2018 15:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.0	76.7	115.1
201	98.6	95.7	143.5

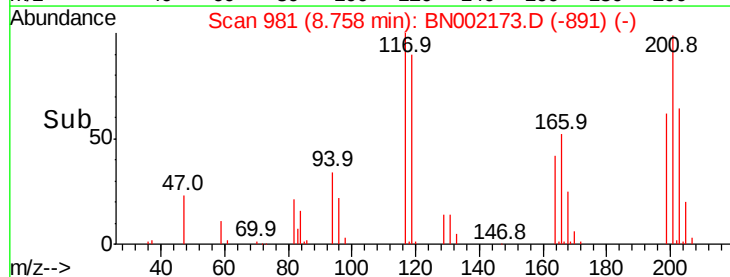
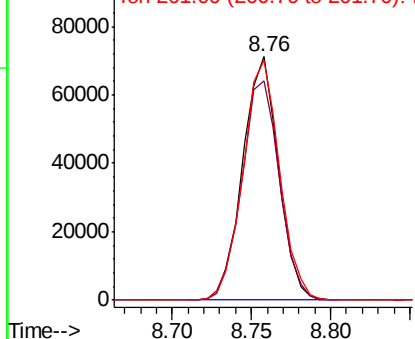


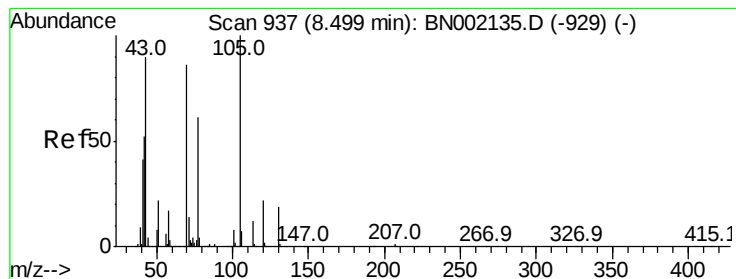
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 23.899 ng

RT: 8.49 min Scan# 935

Delta R.T. -0.01 min

Lab File: BN002173.D

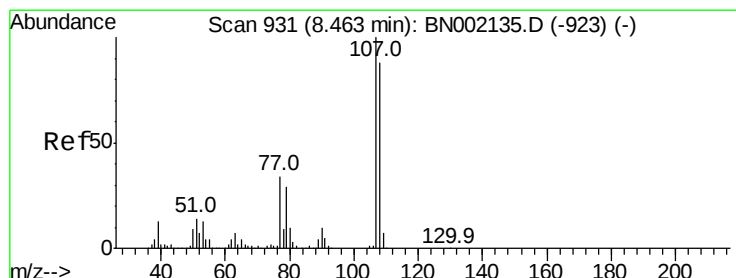
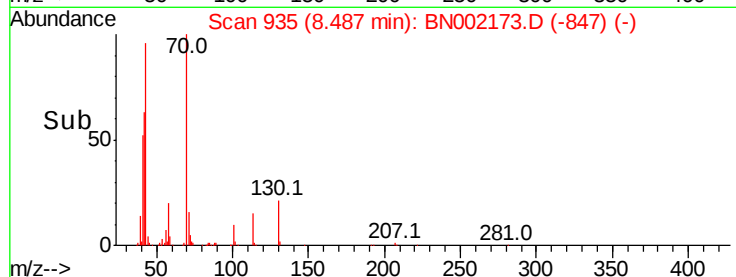
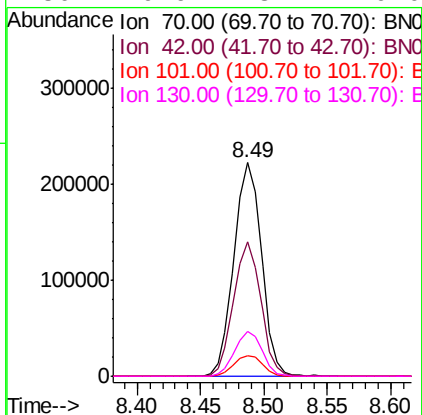
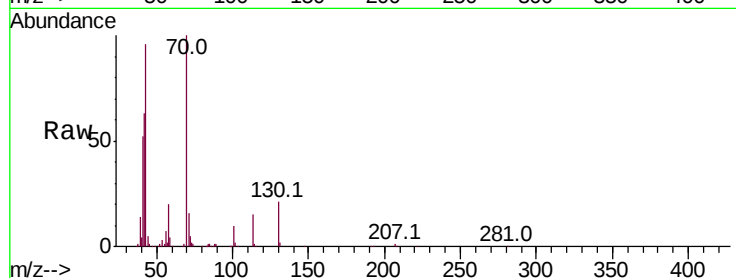
Acq: 26 Jul 2018 15:32

Instrument :

BNA_N

ClientSampleId :

Tot Ion:	70	Resp:	337541
Ion	Ratio	Lower	Upper
70	100		
42	62.8	49.1	73.7
101	9.7	8.5	12.7
130	20.9	13.4	20.0#



#20

3+4-Methylphenols

Concen: 28.084 ng

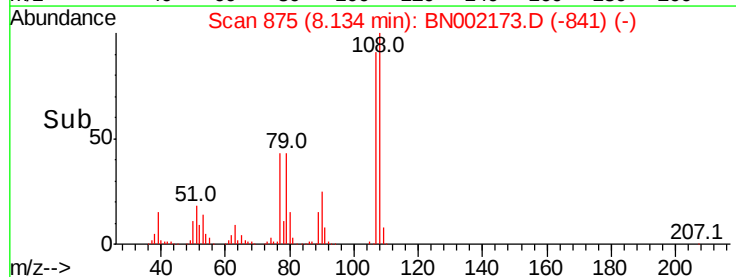
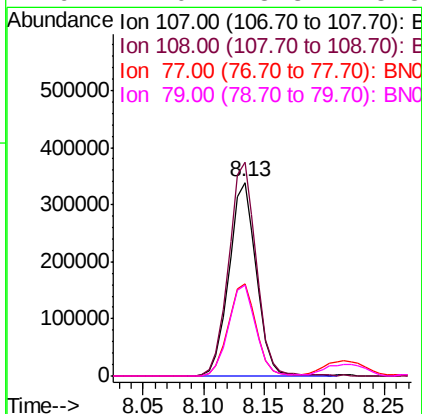
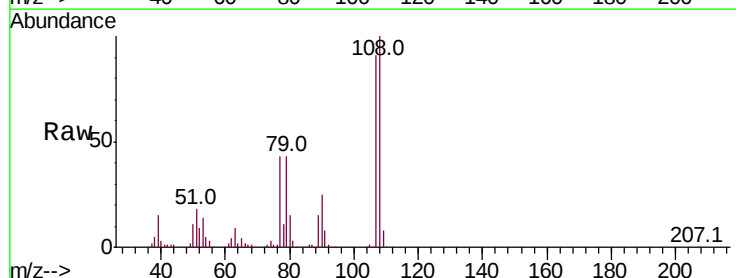
RT: 8.13 min Scan# 875

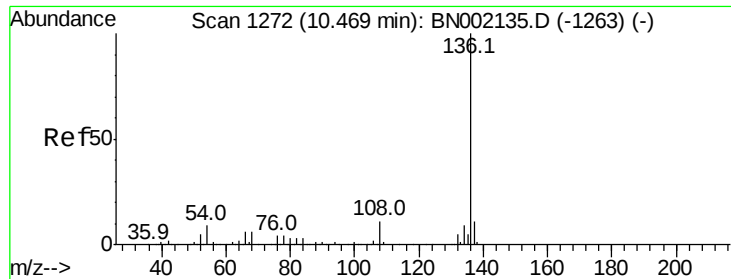
Delta R.T. -0.33 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

Tgt Ion:	107	Resp:	533927
Ion	Ratio	Lower	Upper
107	100		
108	110.4	61.6	101.6#
77	48.0	13.9	53.9
79	47.0	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: BN002173.D

Acq: 26 Jul 2018 15:32

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 982028

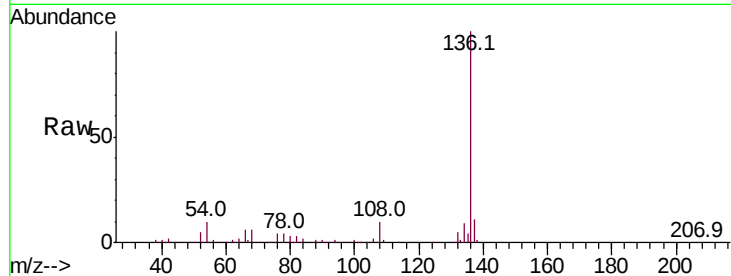
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 9.6 10.3 15.5#

68 5.8 4.5 6.7

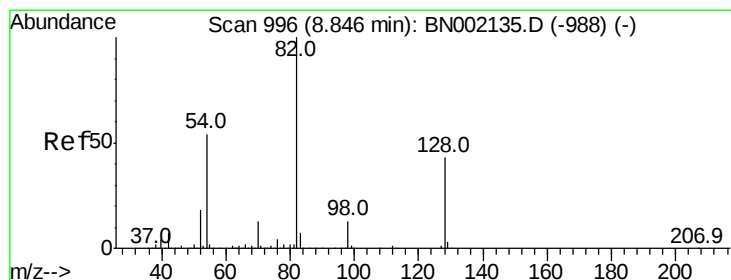
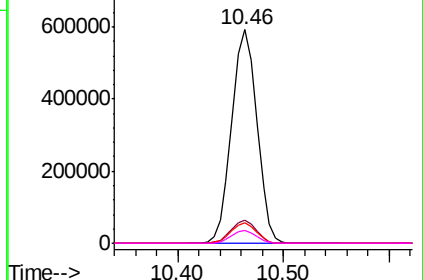
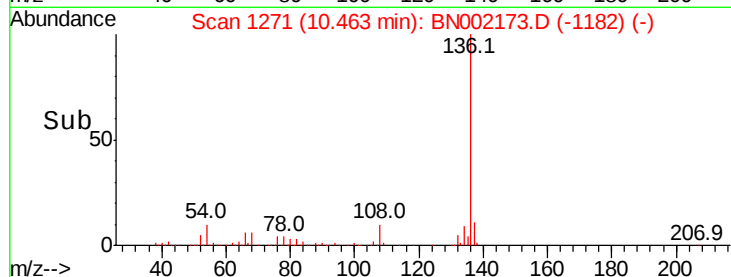


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#23

Nitrobenzene-d5

Concen: 12.765 ng

RT: 8.84 min Scan# 995

Delta R.T. -0.01 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

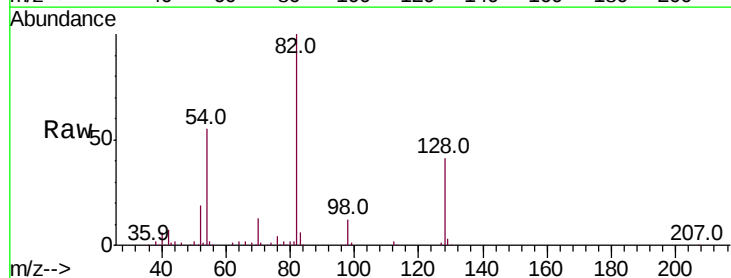
Tgt Ion: 82 Resp: 244433

Ion Ratio Lower Upper

82 100

128 40.6 29.7 44.5

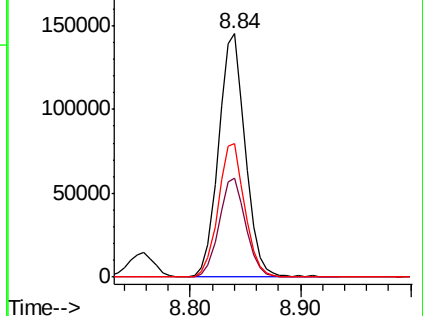
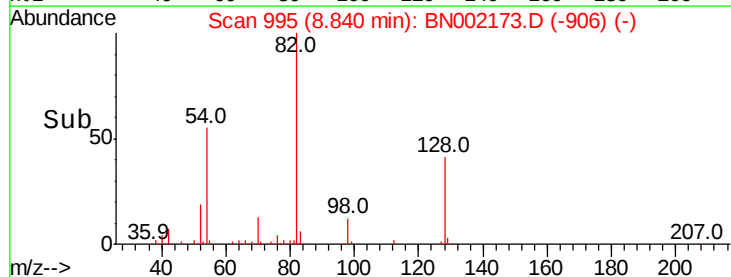
54 54.6 43.1 64.7

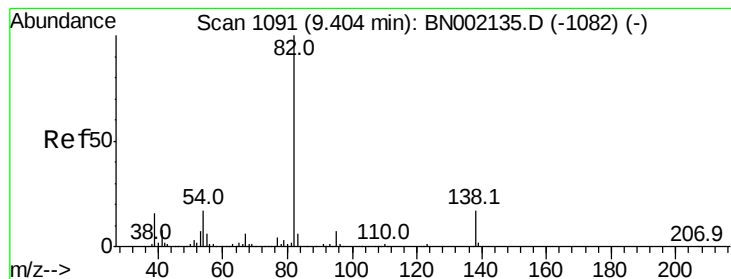


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#25

Isophorone

Concen: 35.502 ng

RT: 9.40 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

Instrument :

BNA_N

ClientSampled :

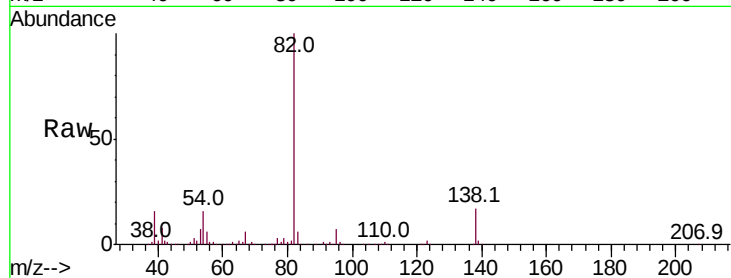
Tot Ion: 82 Resp: 1167302

Ion Ratio Lower Upper

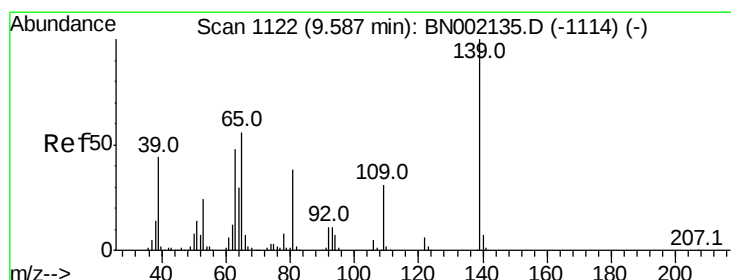
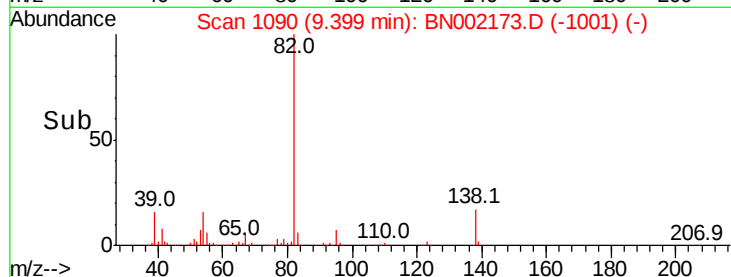
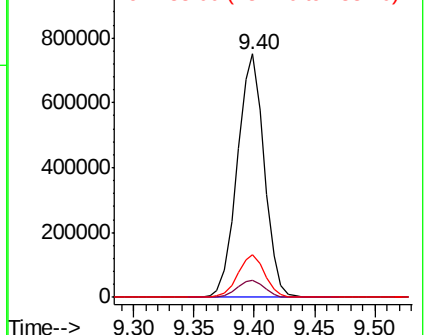
82 100

95 7.0 6.2 9.2

138 17.4 12.1 18.1



Abundance Ion 82.00 (81.70 to 82.70): BNC
Ion 95.00 (94.70 to 95.70): BNC
Ion 138.00 (137.70 to 138.70): BNC



#26

2-Nitrophenol

Concen: 8.011 ng

RT: 9.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

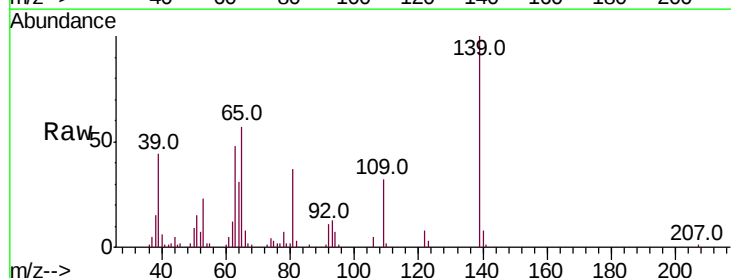
Tgt Ion: 139 Resp: 76798

Ion Ratio Lower Upper

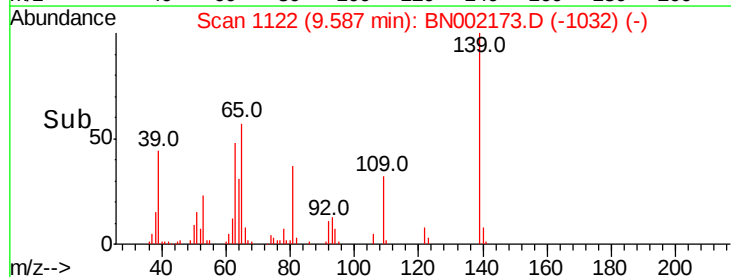
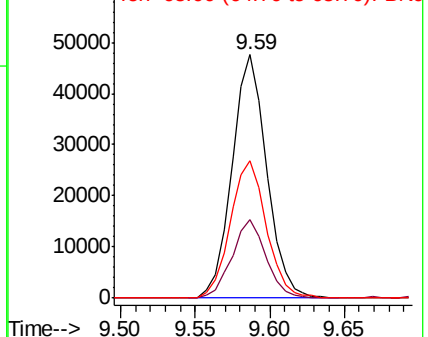
139 100

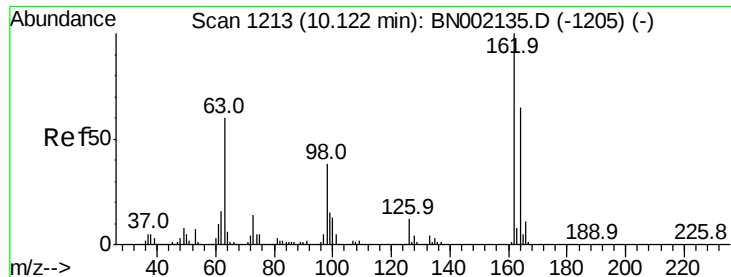
109 32.2 24.2 36.2

65 56.6 47.4 71.0



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

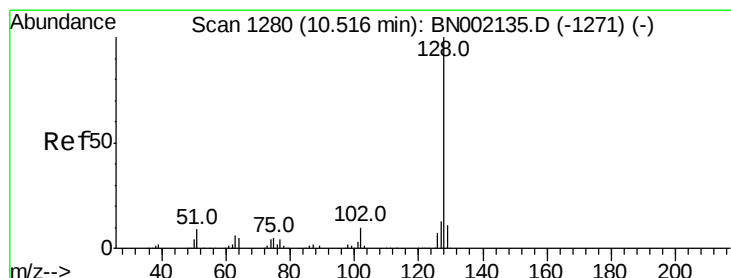
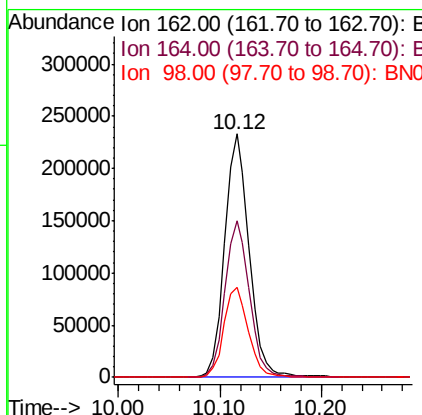
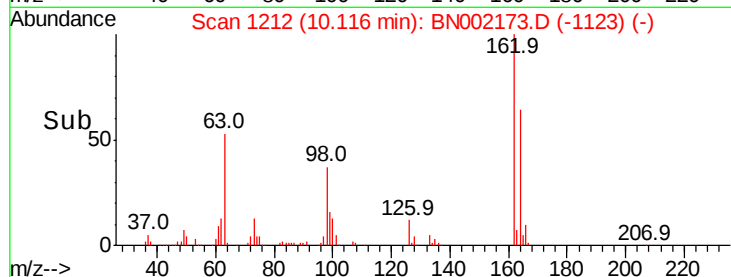
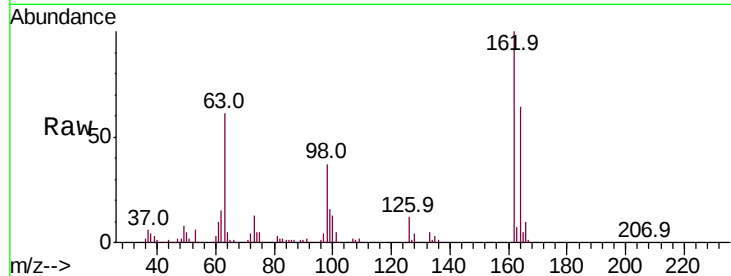




#29
2,4-Dichlorophenol
Concen: 25.083 ng
RT: 10.12 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BN002173.D
Acq: 26 Jul 2018 15:32

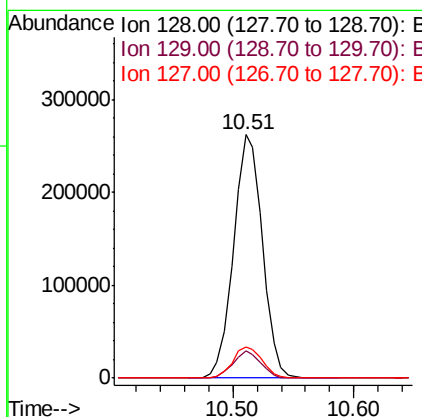
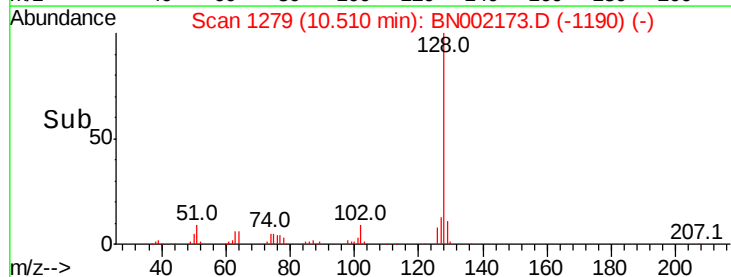
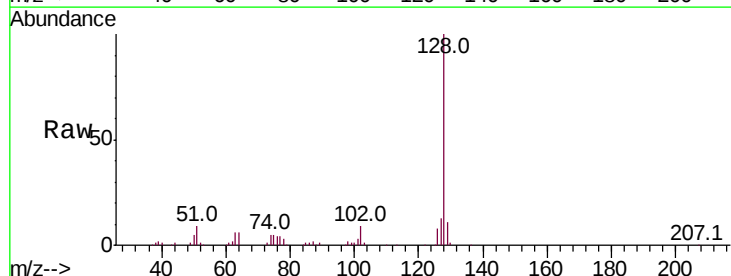
Instrument :
BNA_N
ClientSampleId :

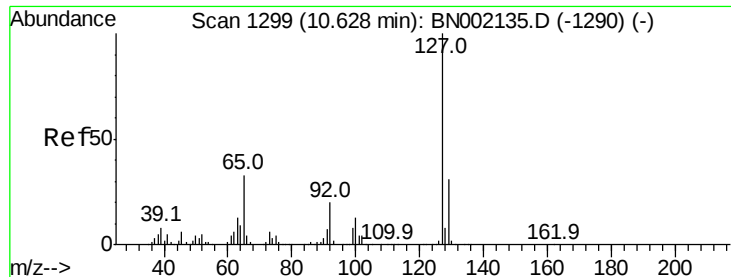
Tot Ion	Ratio	Lower	Upper
162	100		
164	64.3	48.0	88.0
98	37.1	21.1	61.1



#31
Naphthalene
Concen: 8.806 ng
RT: 10.51 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BN002173.D
Acq: 26 Jul 2018 15:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	12.8
127	13.0	11.6	17.4

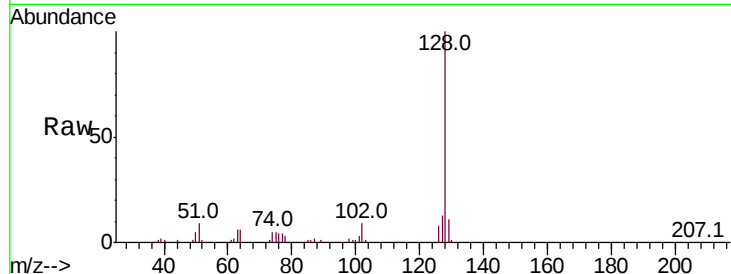




#33
4-Chloroaniline
Concen: 2.610 ng
RT: 10.51 min Scan# 1279
Delta R.T. -0.12 min
Lab File: BN002173.D
Acq: 26 Jul 2018 15:32

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
127	100		
129	86.9	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#



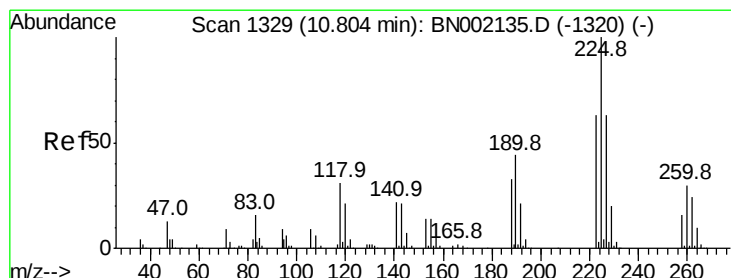
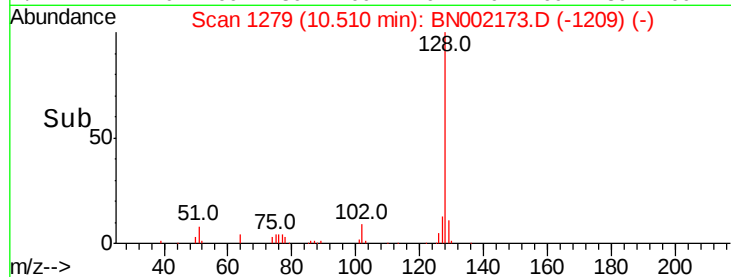
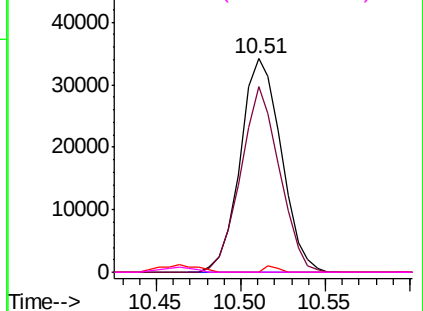
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

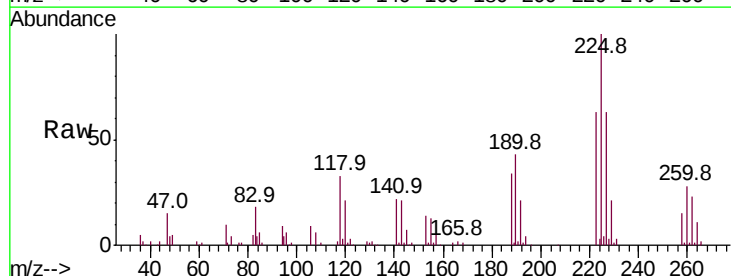
Ion 65.00 (64.70 to 65.70): BNC

Ion 92.00 (91.70 to 92.70): BNC



#34
Hexachlorobutadiene
Concen: 14.247 ng
RT: 10.80 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BN002173.D
Acq: 26 Jul 2018 15:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.7	74.5
227	63.4	48.1	72.1

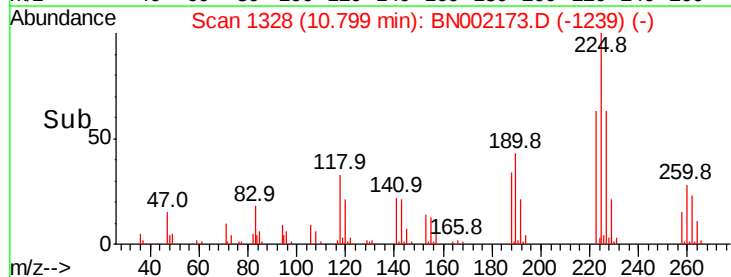
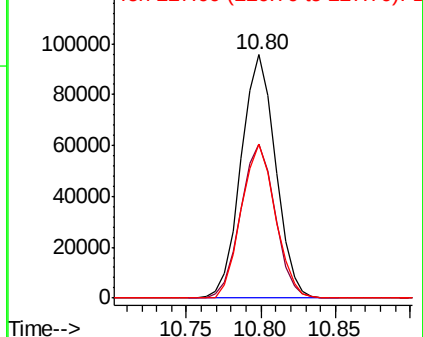


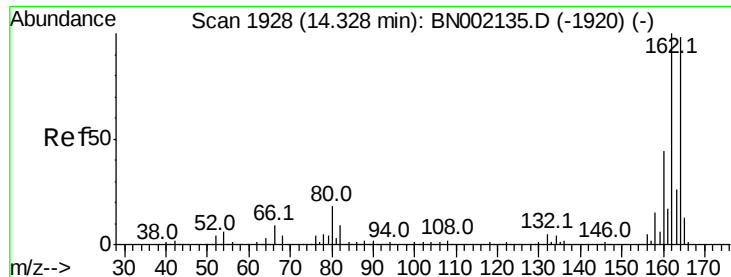
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

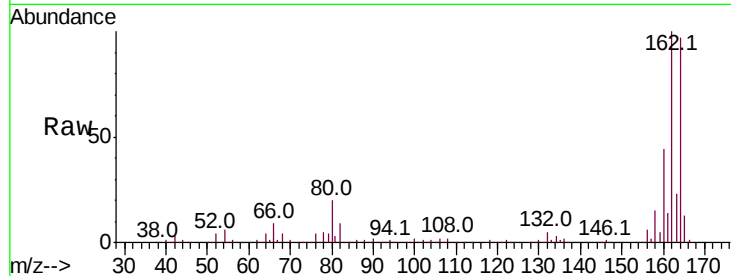




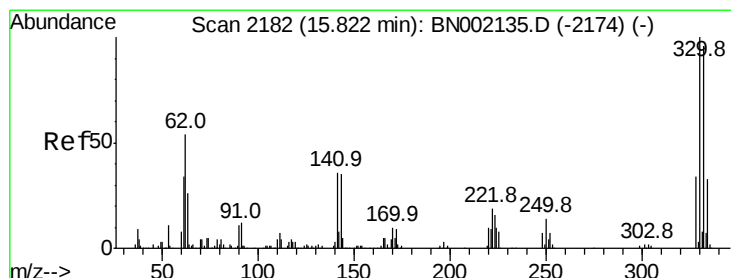
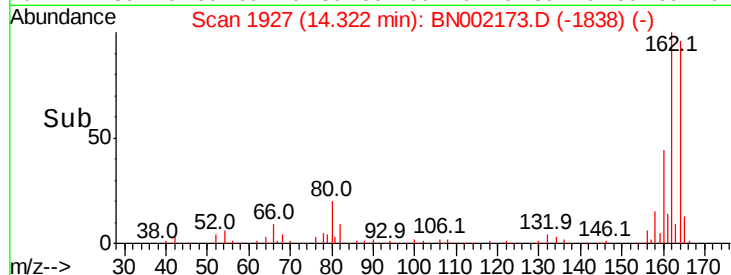
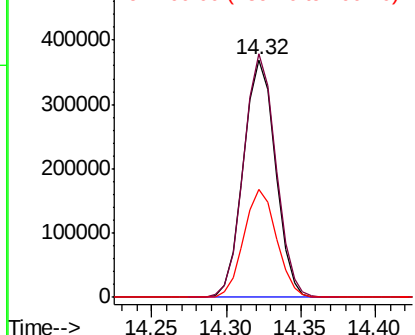
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1927
Delta R.T. -0.01 min
Lab File: BN002173.D
Acq: 26 Jul 2018 15:32

Instrument :
BNA_N
ClientSampleId :

Tot Ion:164 Resp: 548041
Ion Ratio Lower Upper
164 100
162 102.7 78.8 118.2
160 45.7 35.4 53.0

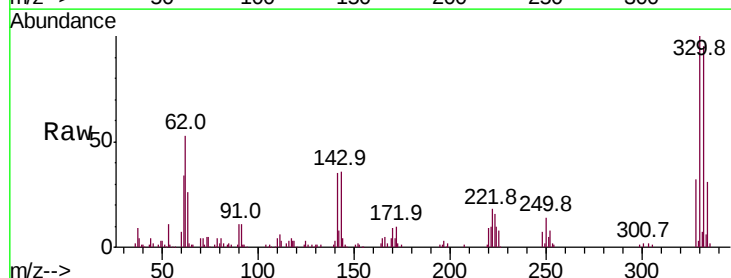


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

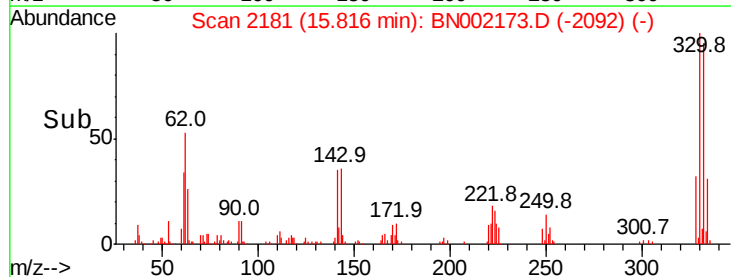
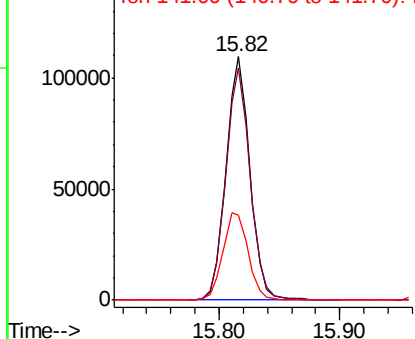


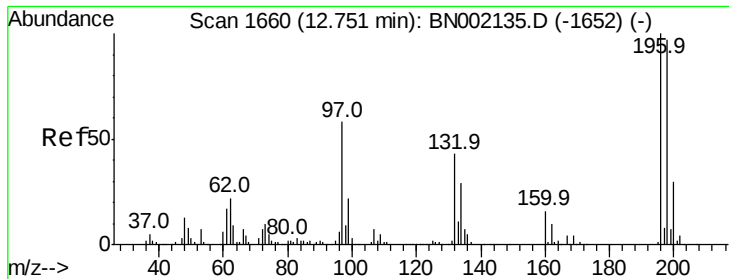
#41
2,4,6-Tribromophenol
Concen: 21.146 ng
RT: 15.82 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BN002173.D
Acq: 26 Jul 2018 15:32

Tgt Ion:330 Resp: 150486
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.6
141 37.8 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

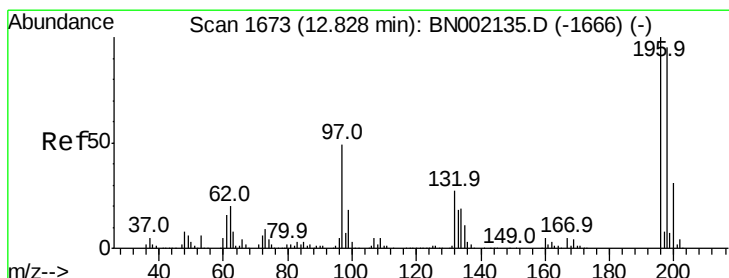
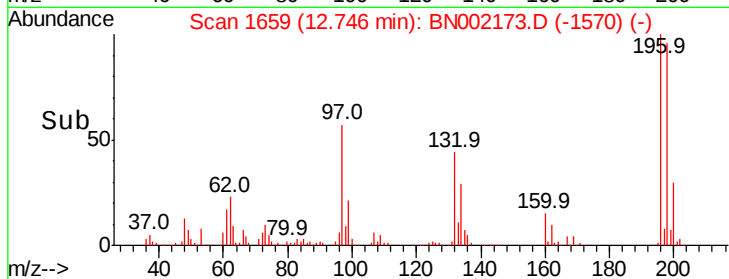
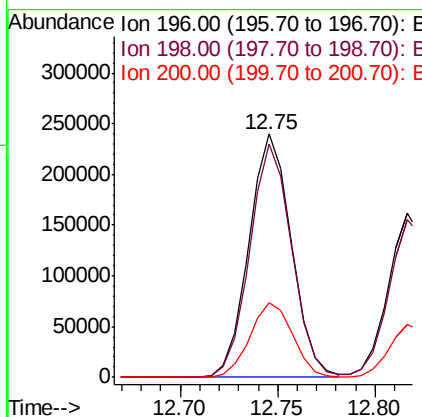
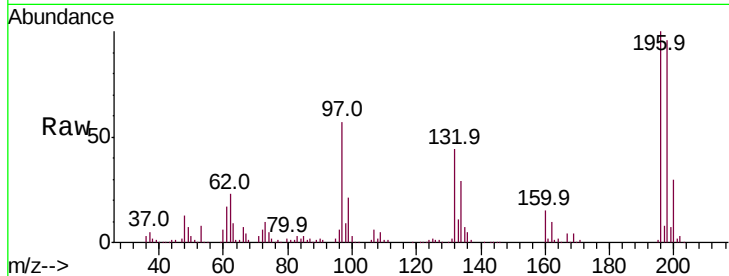




#42
 2,4,6-Trichlorophenol
 Concen: 29.187 ng
 RT: 12.75 min Scan# 1659
 Delta R.T. -0.01 min
 Lab File: BN002173.D
 Acq: 26 Jul 2018 15:32

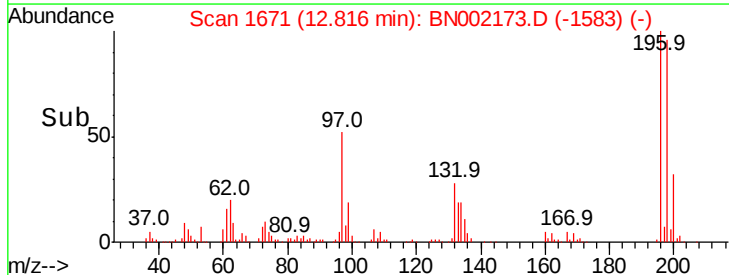
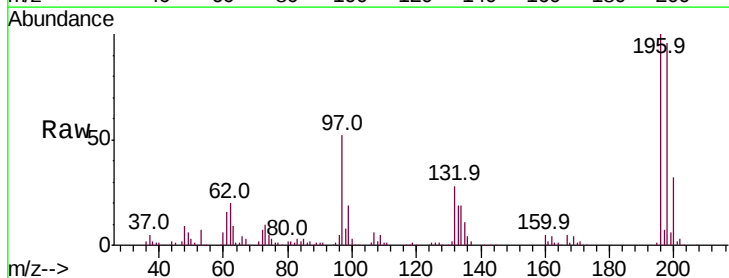
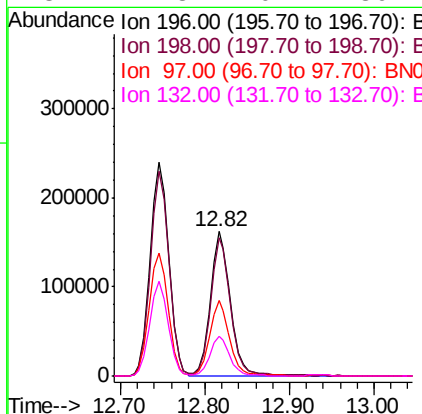
Instrument :
 BNA_N
 ClientSampleId :

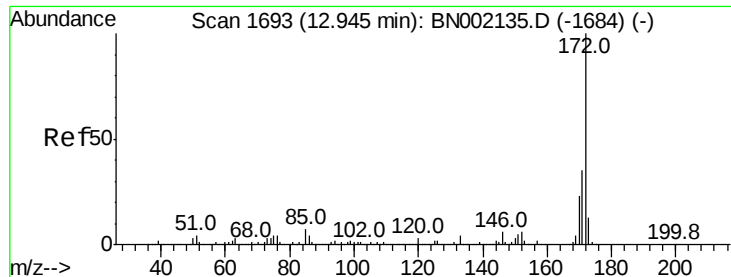
Tot Ion	Ratio	Lower	Upper
196	100		
198	95.9	78.2	117.2
200	30.5	24.6	36.8



#43
 2,4,5-Trichlorophenol
 Concen: 20.696 ng
 RT: 12.82 min Scan# 1671
 Delta R.T. -0.01 min
 Lab File: BN002173.D
 Acq: 26 Jul 2018 15:32

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.2	114.4
97	52.2	38.7	58.1
132	27.8	20.2	30.2

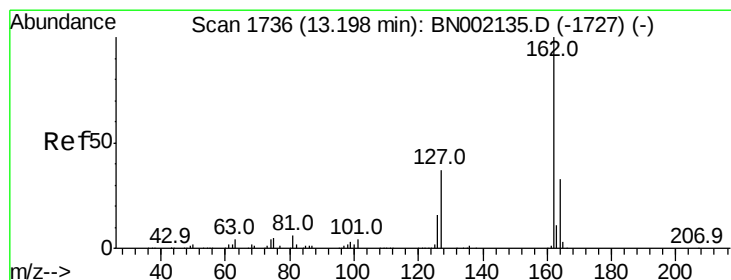
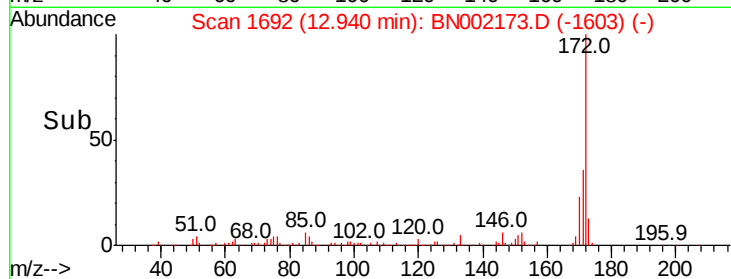
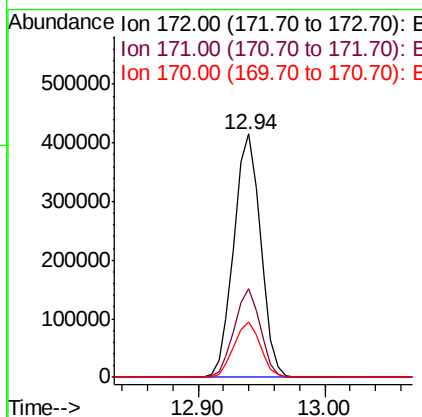
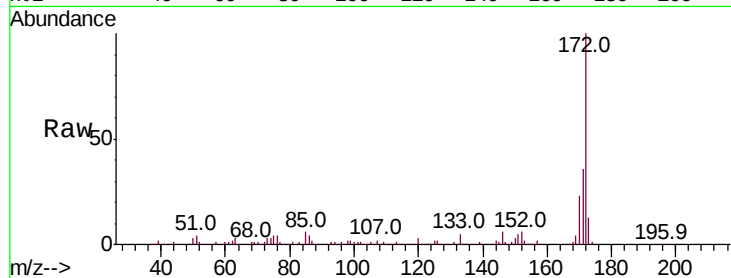




#44
2-Fluorobiphenyl
Concen: 14.422 ng
RT: 12.94 min Scan# 1692
Delta R.T. -0.01 min
Lab File: BN002173.D
Acq: 26 Jul 2018 15:32

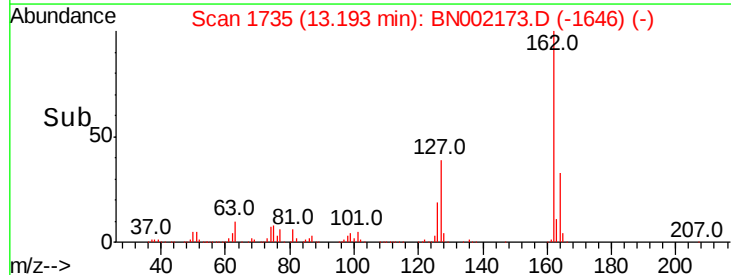
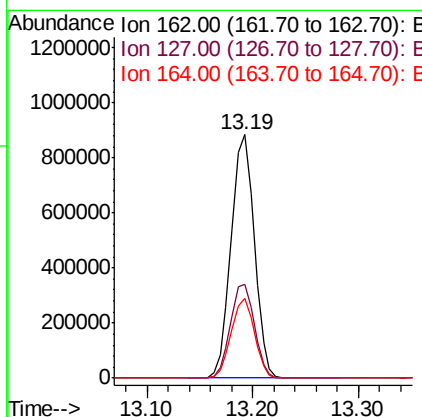
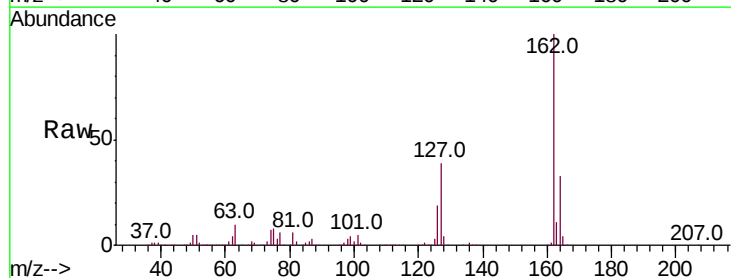
Instrument :
BNA_N
ClientSampled :

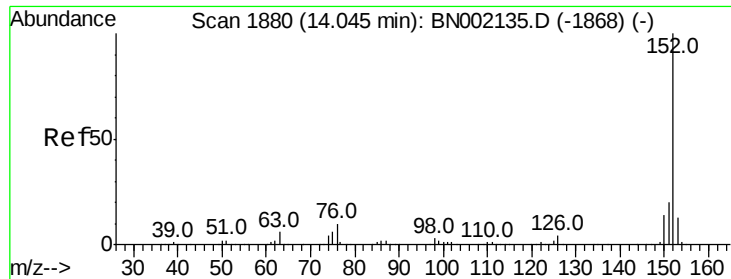
Tot Ion:172 Resp: 606828
Ion Ratio Lower Upper
172 100
171 36.3 30.0 45.0
170 22.9 19.5 29.3



#46
2-Chloronaphthalene
Concen: 35.996 ng
RT: 13.19 min Scan# 1735
Delta R.T. -0.01 min
Lab File: BN002173.D
Acq: 26 Jul 2018 15:32

Tgt Ion:162 Resp: 1339939
Ion Ratio Lower Upper
162 100
127 38.7 30.7 46.1
164 32.8 26.0 39.0





#48

Acenaphthylene

Concen: 34.409 ng

RT: 14.04 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

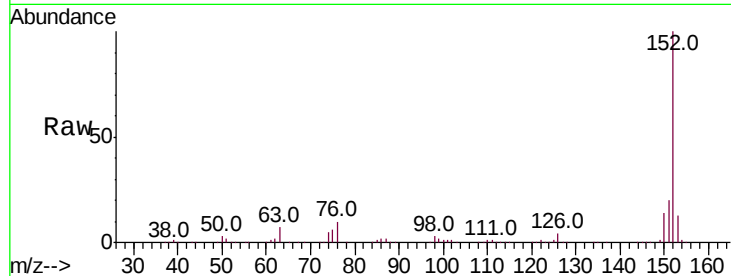
Instrument :

BNA_N

ClientSampleId :

Tot Ion:152 Resp: 1943673

Ion	Ratio	Lower	Upper
152	100		
151	19.9	17.2	25.8
153	13.0	10.2	15.4

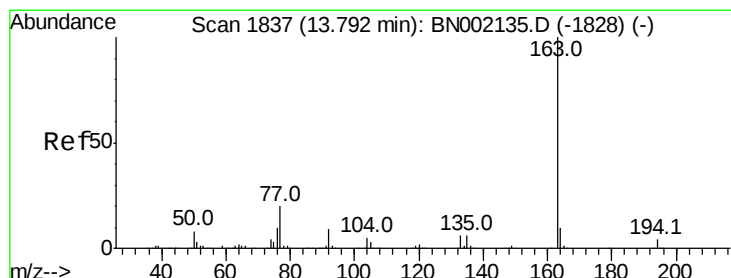
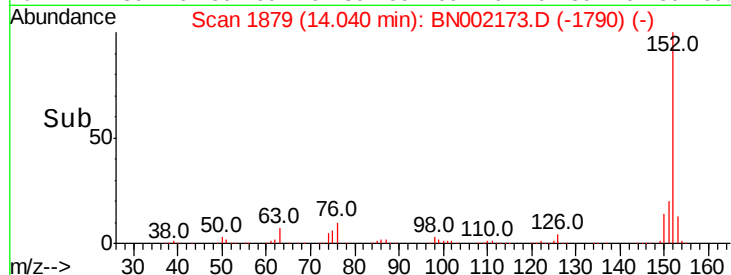
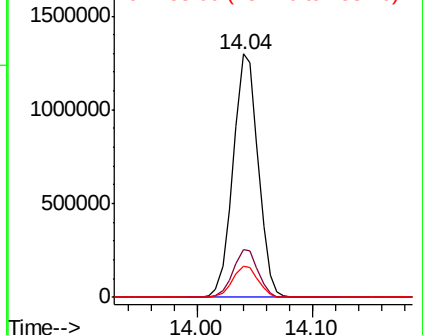


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 7.671 ng

RT: 13.78 min Scan# 1835

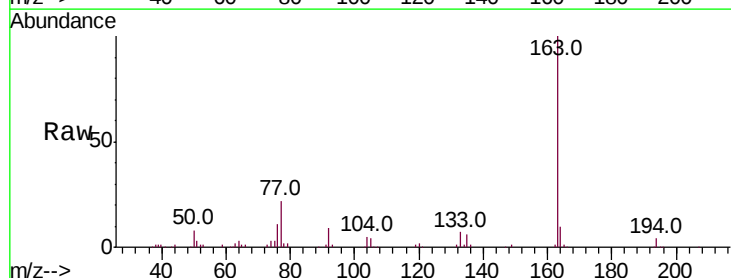
Delta R.T. -0.01 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

Tgt Ion:163 Resp: 349208

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.2
164	10.4	8.2	12.4

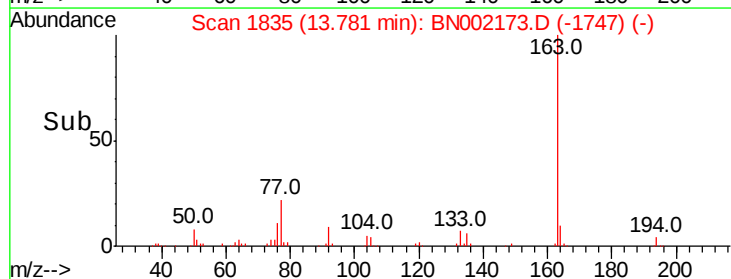
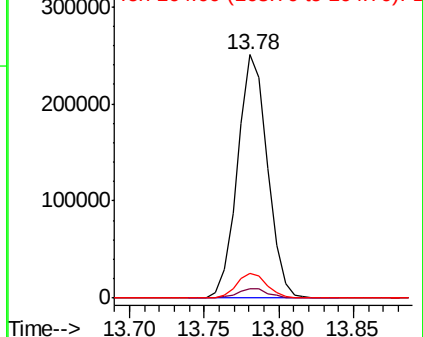


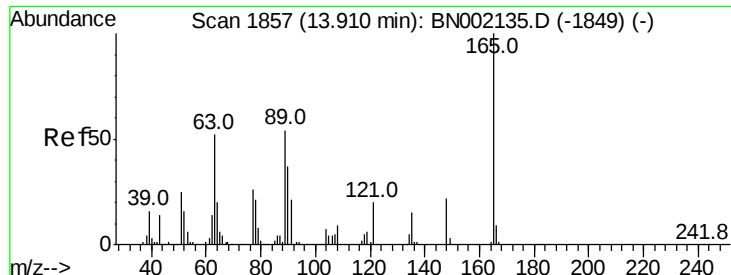
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

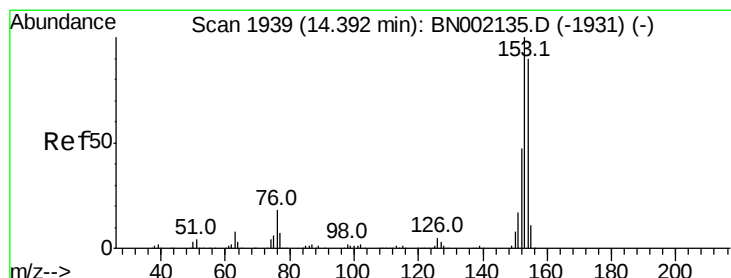
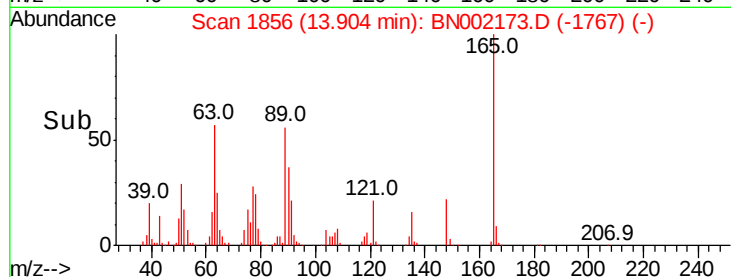
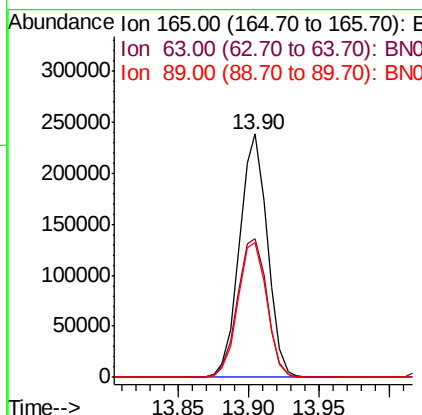
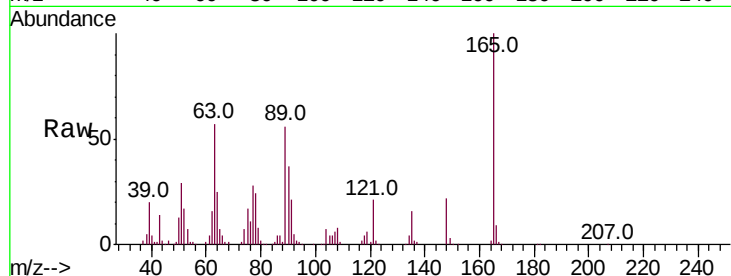




#50
2,6-Dinitrotoluene
Concen: 32.551 ng
RT: 13.90 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BN002173.D
Acq: 26 Jul 2018 15:32

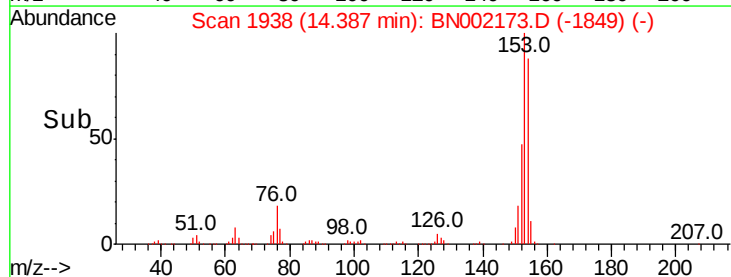
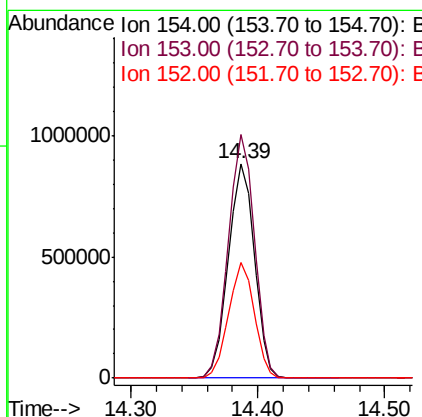
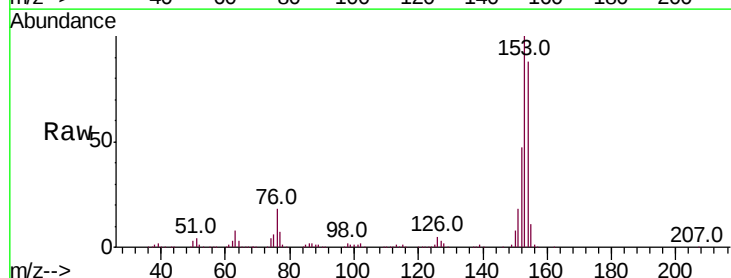
Instrument :
BNA_N
ClientSampled :

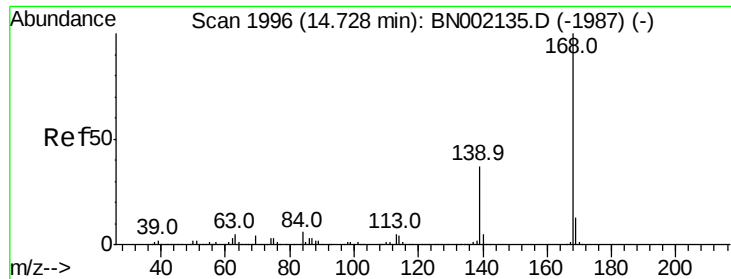
Tot Ion:165 Resp: 329213
Ion Ratio Lower Upper
165 100
63 56.9 52.7 79.1
89 55.6 49.2 73.8



#51
Acenaphthene
Concen: 37.101 ng
RT: 14.39 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BN002173.D
Acq: 26 Jul 2018 15:32

Tgt Ion:154 Resp: 1262378
Ion Ratio Lower Upper
154 100
153 113.5 90.4 135.6
152 53.7 41.6 62.4





#54

Dibenzofuran

Concen: 41.443 ng

RT: 14.72 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

Instrument :

BNA_N

ClientSampleId :

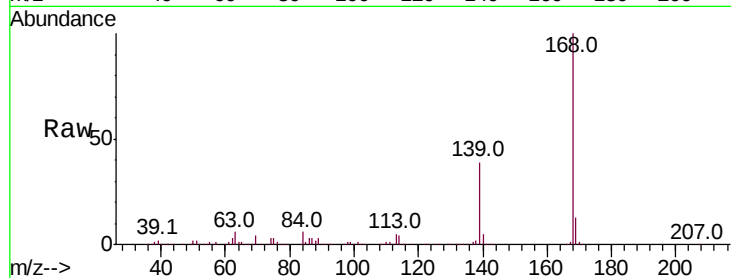
Tot Ion:168 Resp: 2286268

Ion Ratio Lower Upper

168 100

139 38.9 28.6 43.0

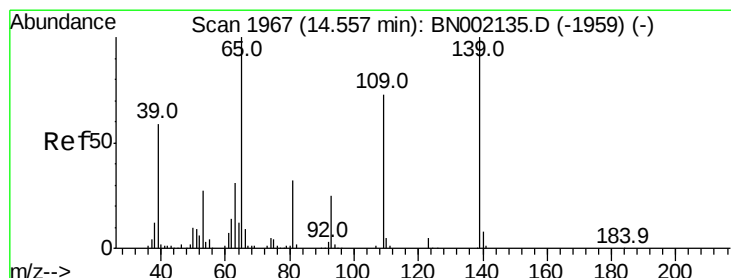
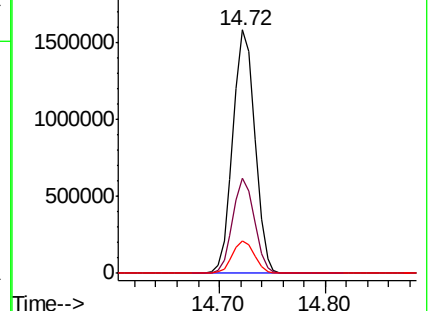
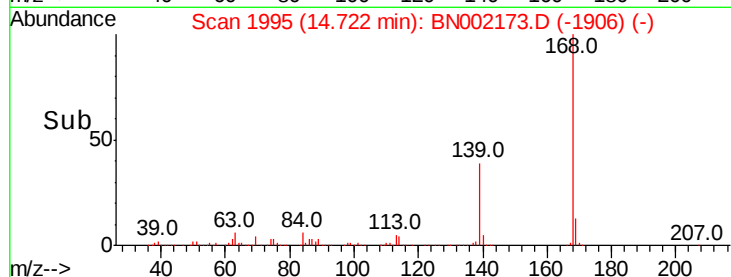
169 13.3 11.2 16.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 104.443 ng

RT: 14.72 min Scan# 1995

Delta R.T. 0.16 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

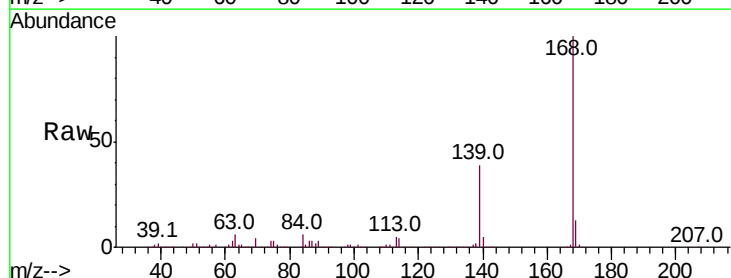
Tgt Ion:139 Resp: 878686

Ion Ratio Lower Upper

139 100

109 0.9 62.2 102.2#

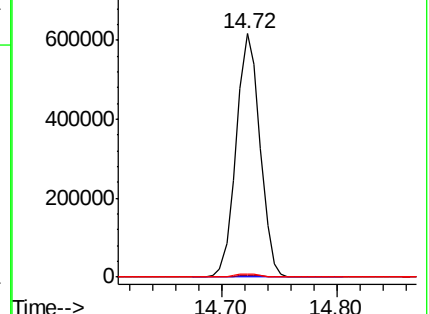
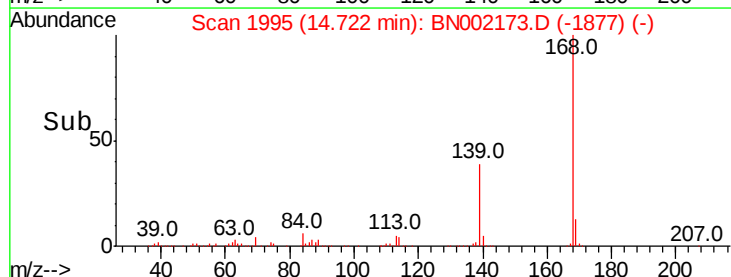
65 1.4 97.2 137.2#

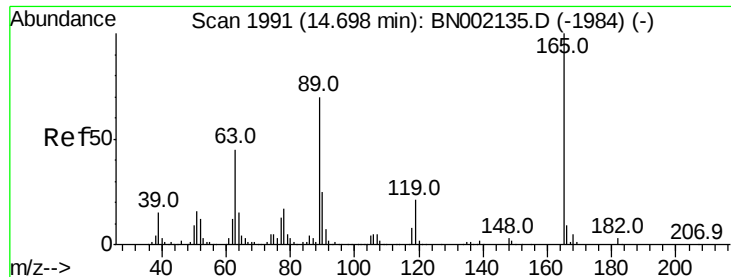


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BNC

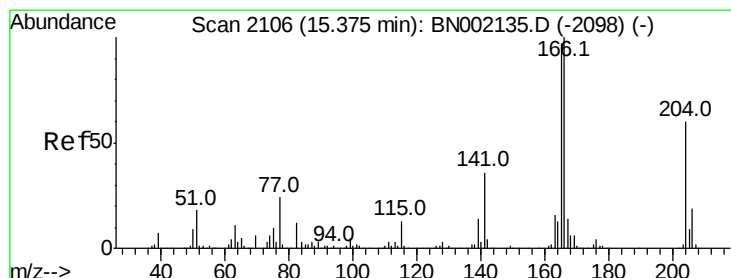
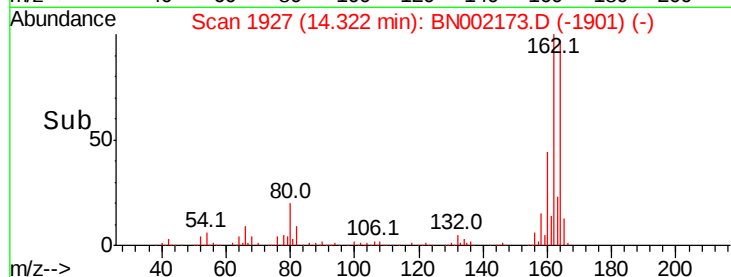
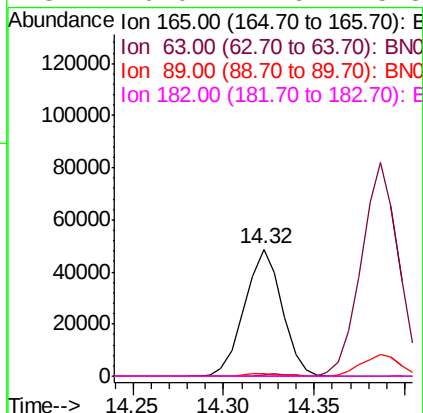
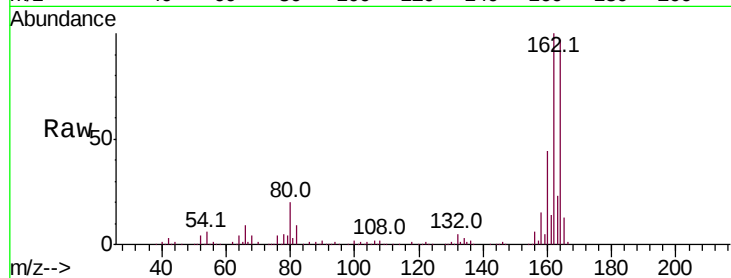




#56
 2,4-Dinitrotoluene
 Concen: 5.085 ng
 RT: 14.32 min Scan# 1927
 Delta R.T. -0.38 min
 Lab File: BN002173.D
 Acq: 26 Jul 2018 15:32

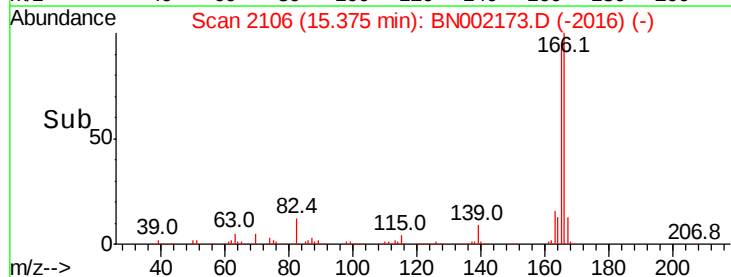
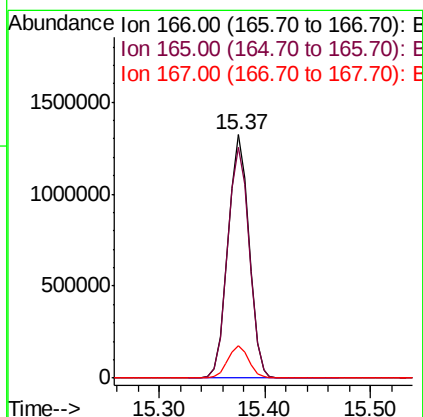
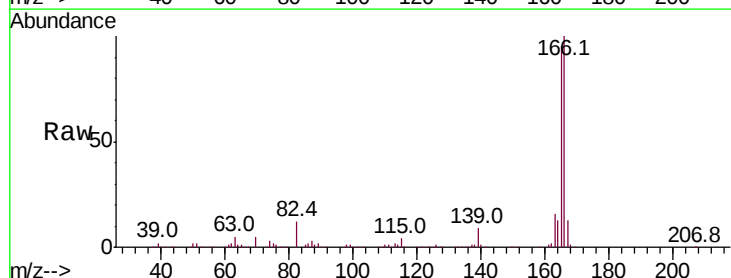
Instrument :
 BNA_N
 ClientSampleId :

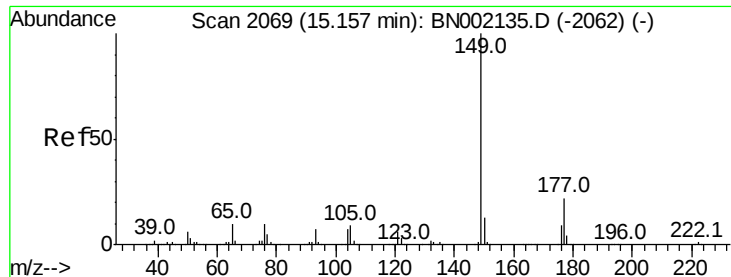
Tot Ion:165 Resp: 69803
 Ion Ratio Lower Upper
 165 100
 63 1.2 42.0 63.0#
 89 1.6 66.9 100.3#
 182 0.0 2.6 3.8#



#57
 Fluorene
 Concen: 43.709 ng
 RT: 15.37 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: BN002173.D
 Acq: 26 Jul 2018 15:32

Tgt Ion:166 Resp: 1817428
 Ion Ratio Lower Upper
 166 100
 165 94.9 80.6 121.0
 167 13.1 10.4 15.6

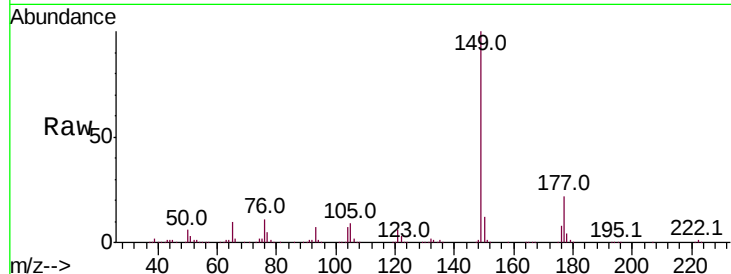




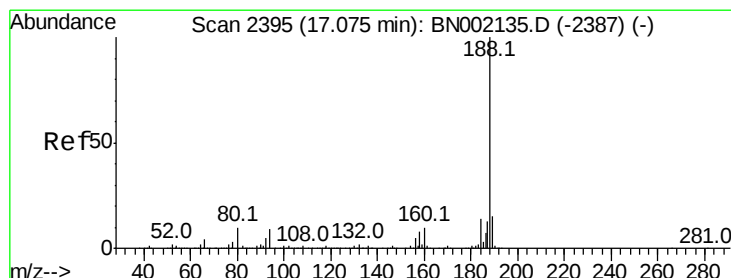
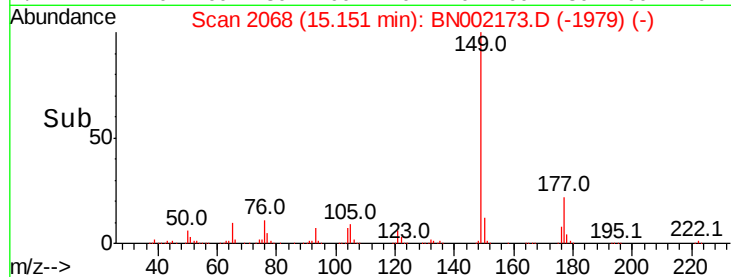
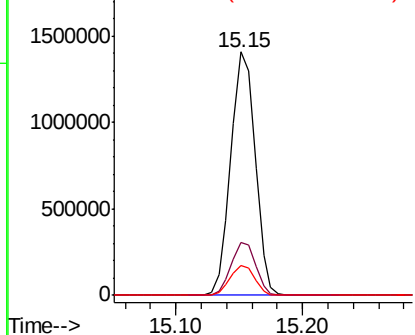
#59
Diethylphthalate
Concen: 40.393 ng
RT: 15.15 min Scan# 2068
Delta R.T. -0.01 min
Lab File: BN002173.D
Acq: 26 Jul 2018 15:32

Instrument :
BNA_N
ClientSampleId :

Tot Ion:149 Resp: 1871635
Ion Ratio Lower Upper
149 100
177 21.8 18.5 27.7
150 12.4 10.2 15.2

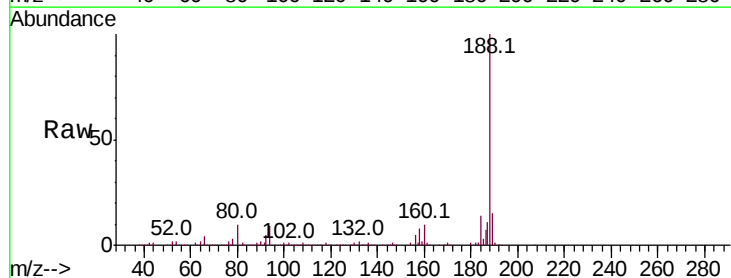


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

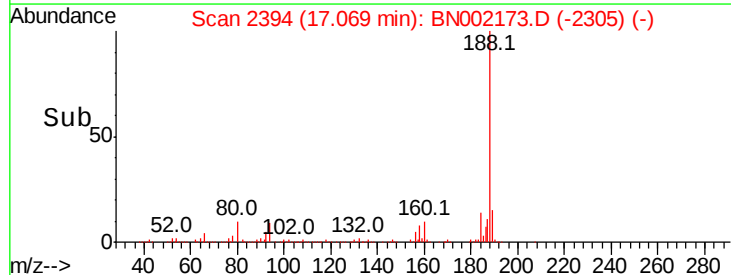
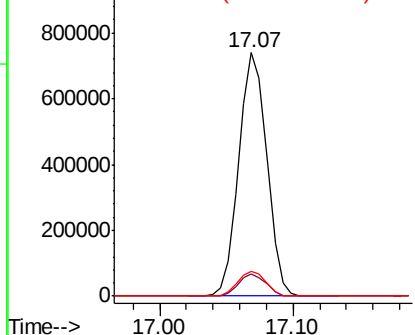


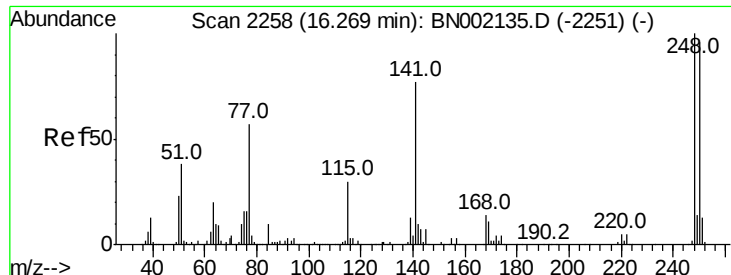
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.07 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BN002173.D
Acq: 26 Jul 2018 15:32

Tgt Ion:188 Resp: 1074876
Ion Ratio Lower Upper
188 100
94 9.3 6.9 10.3
80 10.2 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

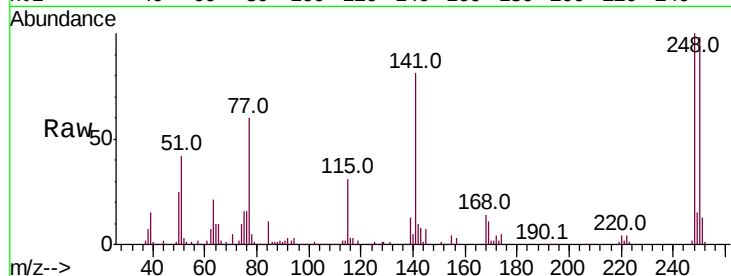




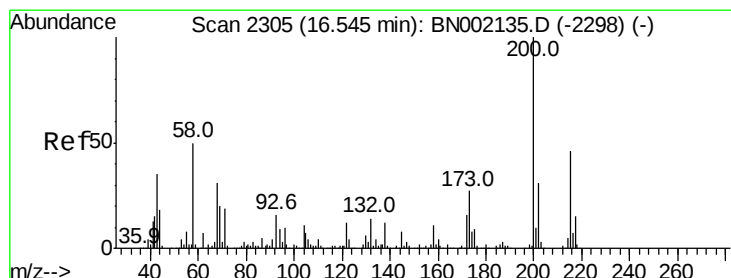
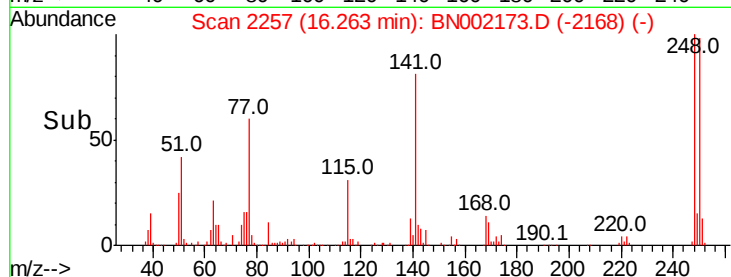
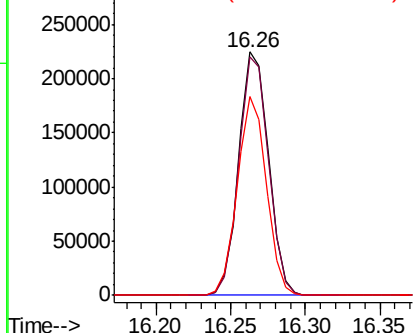
#66
 4-Bromophenyl-phenylether
 Concen: 24.788 ng
 RT: 16.26 min Scan# 2257
 Delta R.T. -0.01 min
 Lab File: BN002173.D
 Acq: 26 Jul 2018 15:32

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:248 Resp: 311912
 Ion Ratio Lower Upper
 248 100
 250 97.8 77.1 115.7
 141 81.4 50.8 76.2#

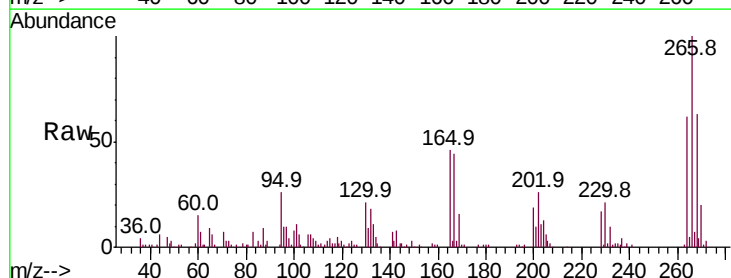


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

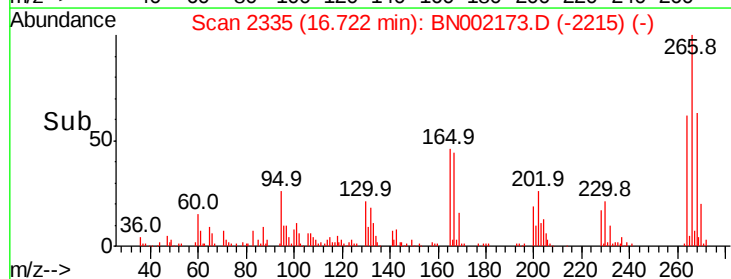
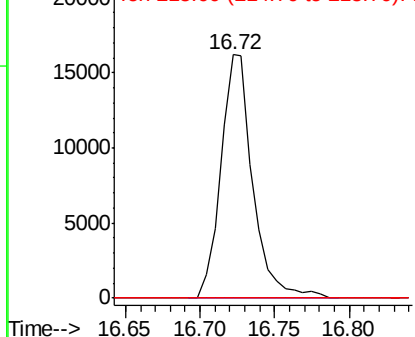


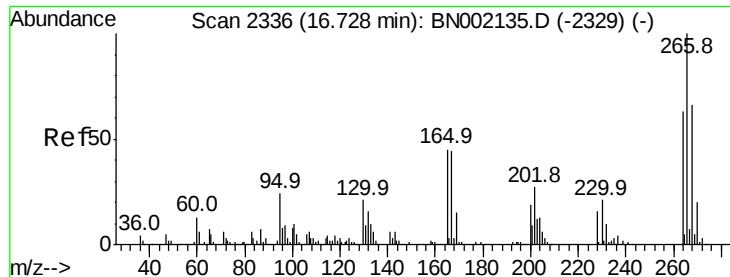
#68
 Atrazine
 Concen: 2.029 ng
 RT: 16.72 min Scan# 2335
 Delta R.T. 0.18 min
 Lab File: BN002173.D
 Acq: 26 Jul 2018 15:32

Tgt Ion:200 Resp: 24362
 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: 14.241 ng

RT: 16.72 min Scan# 2335

Delta R.T. -0.01 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

Instrument :

BNA_N

ClientSampled :

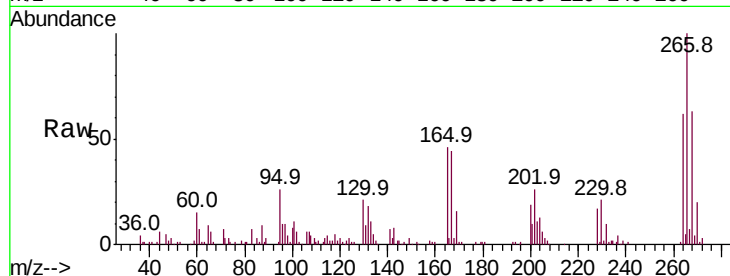
Tot Ion:266 Resp: 127588

Ion Ratio Lower Upper

266 100

268 62.5 51.1 76.7

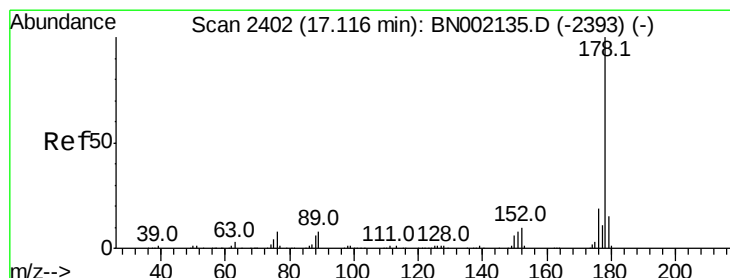
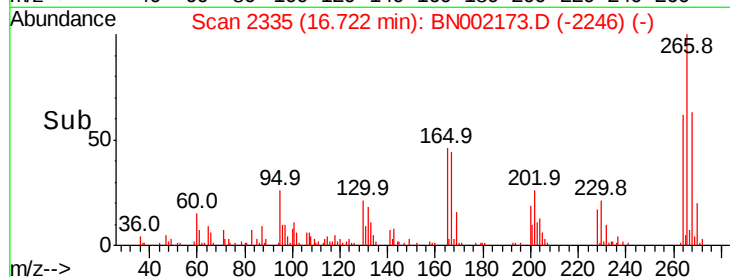
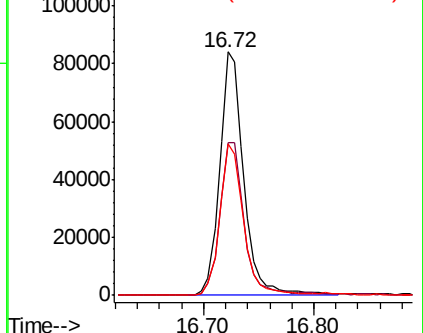
264 62.4 49.6 74.4



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



#70

Phenanthrene

Concen: 34.359 ng

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

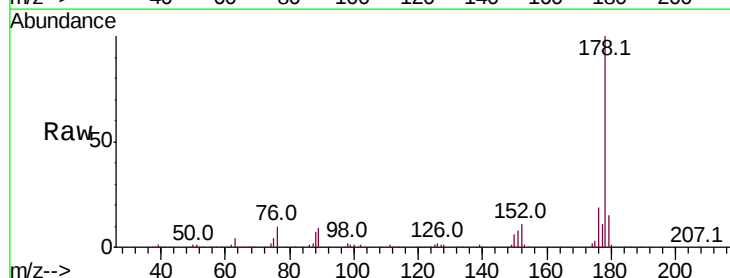
Tgt Ion:178 Resp: 2015903

Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

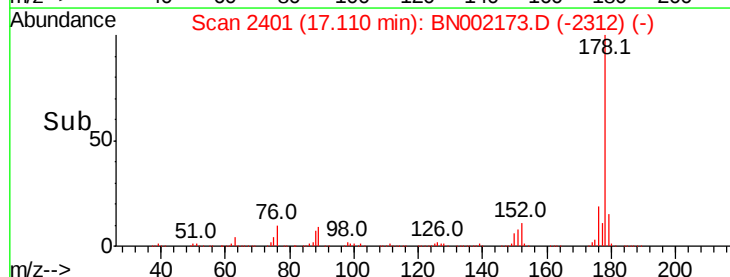
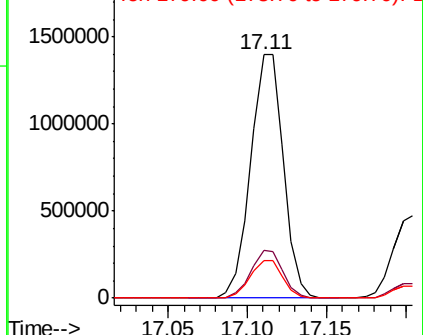
179 15.4 12.5 18.7

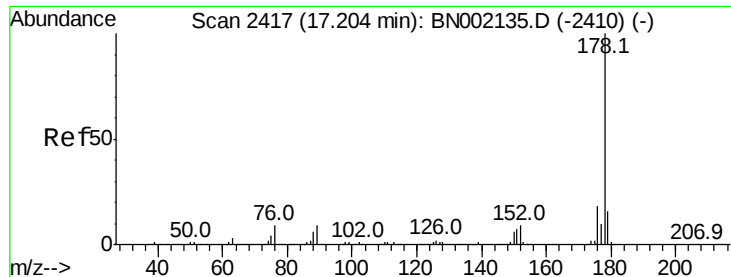


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

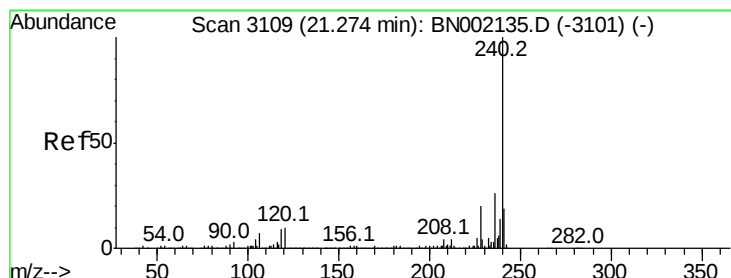
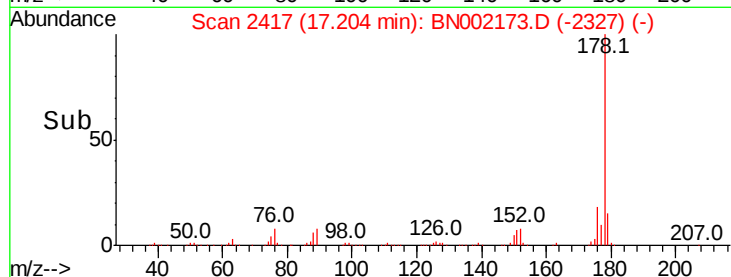
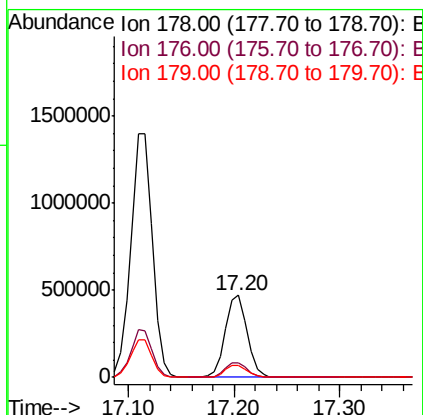
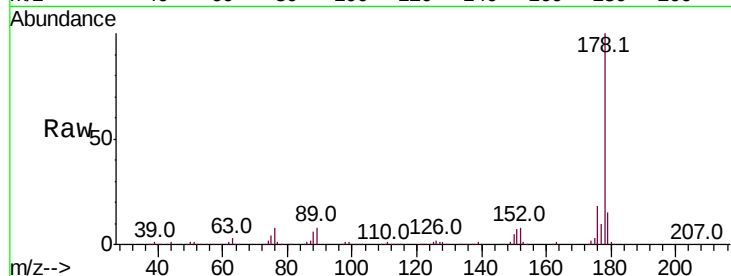




#71
 Anthracene
 Concen: 11.567 ng
 RT: 17.20 min Scan# 2417
 Delta R.T. 0.00 min
 Lab File: BN002173.D
 Acq: 26 Jul 2018 15:32

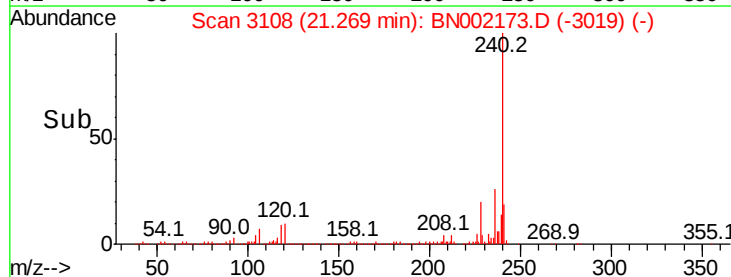
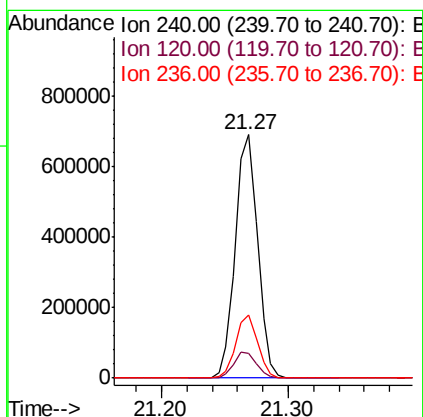
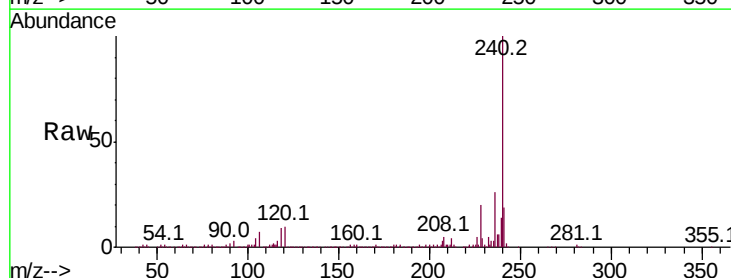
Instrument :
 BNA_N
 ClientSampleId :

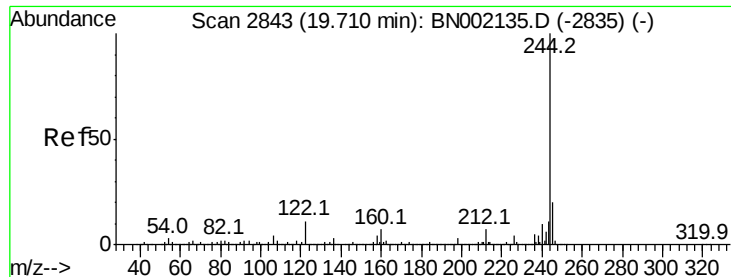
Tot Ion:178 Resp: 671739
 Ion Ratio Lower Upper
 178 100
 176 18.3 16.0 24.0
 179 15.0 12.5 18.7



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.27 min Scan# 3108
 Delta R.T. -0.01 min
 Lab File: BN002173.D
 Acq: 26 Jul 2018 15:32

Tgt Ion:240 Resp: 839689
 Ion Ratio Lower Upper
 240 100
 120 10.4 6.8 10.2#
 236 26.2 20.9 31.3





#78

Terphenyl-d14

Concen: 19.306 ng

RT: 19.70 min Scan# 2842

Delta R.T. -0.01 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

Instrument :

BNA_N

ClientSampleId :

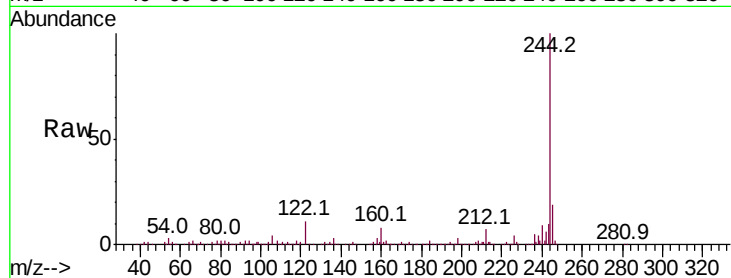
Tot Ion:244 Resp: 777254

Ion Ratio Lower Upper

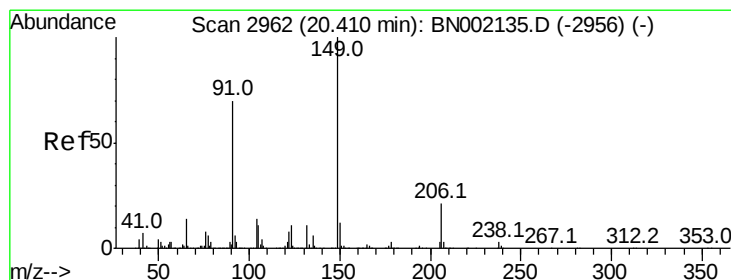
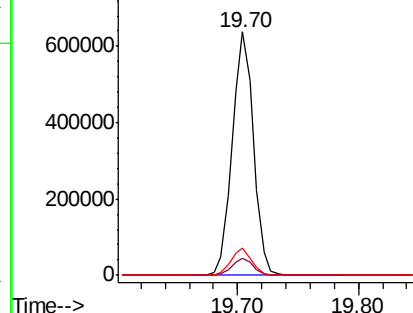
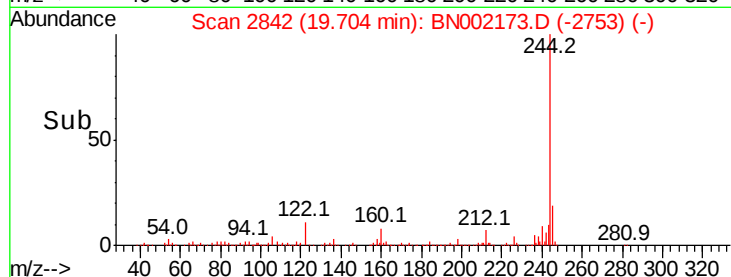
244 100

212 7.1 5.8 8.8

122 11.0 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



#79

Butylbenzylphthalate

Concen: 27.063 ng

RT: 20.41 min Scan# 2962

Delta R.T. 0.00 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

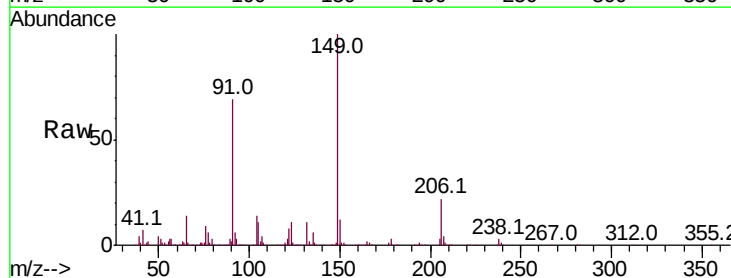
Tgt Ion:149 Resp: 682165

Ion Ratio Lower Upper

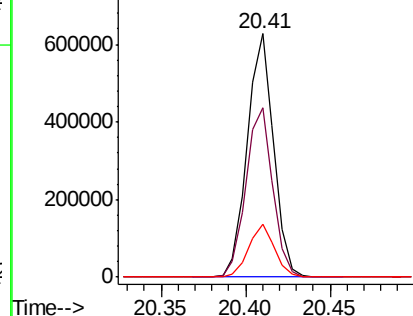
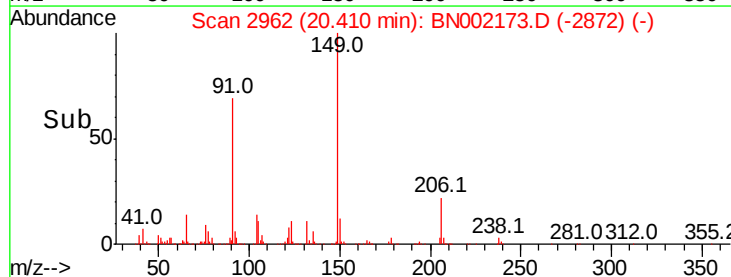
149 100

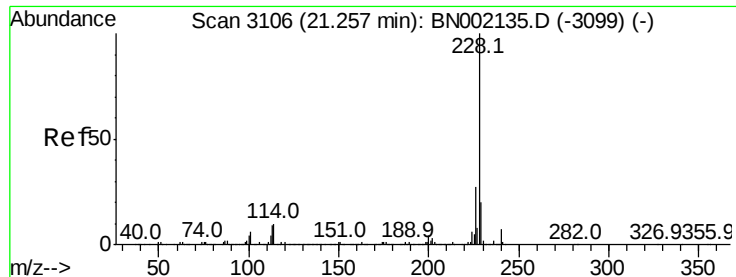
91 69.4 62.2 93.2

206 21.5 18.6 27.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BNC
Ion 206.00 (205.70 to 206.70): E

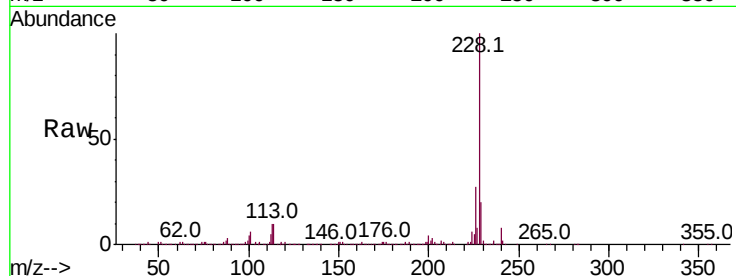




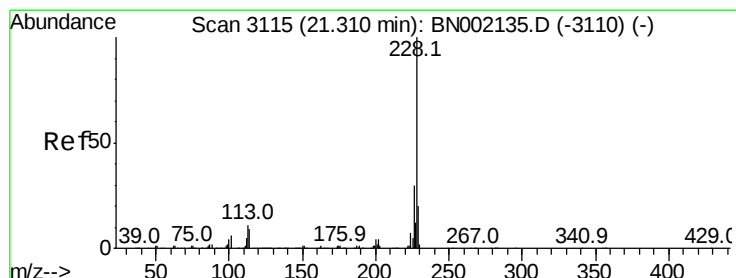
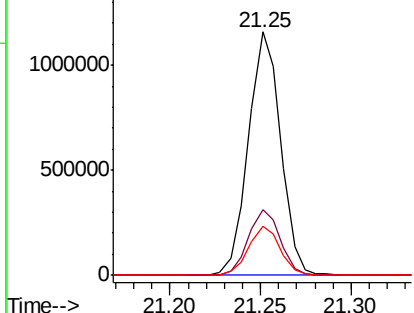
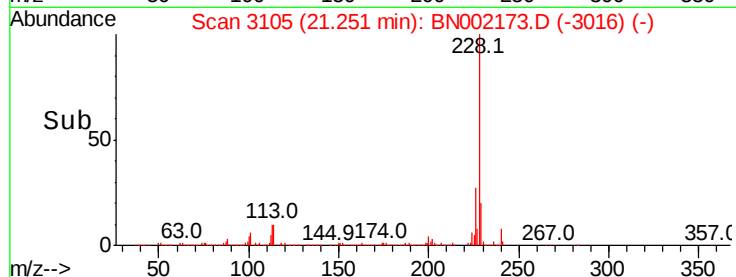
#80
Benzo(a)anthracene
Concen: 28.044 ng
RT: 21.25 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BN002173.D
Acq: 26 Jul 2018 15:32

Instrument :
BNA_N
ClientSampleId :

Tot Ion:228 Resp: 1435277
Ion Ratio Lower Upper
228 100
226 26.7 22.7 34.1
229 20.1 16.2 24.2

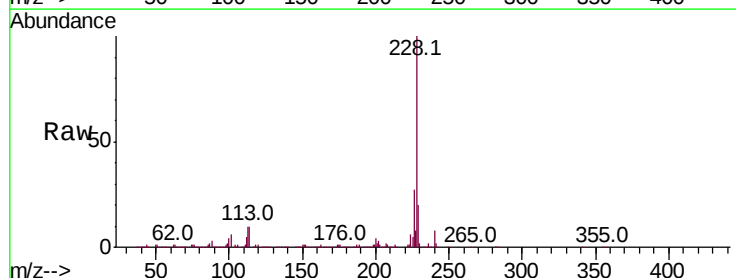


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

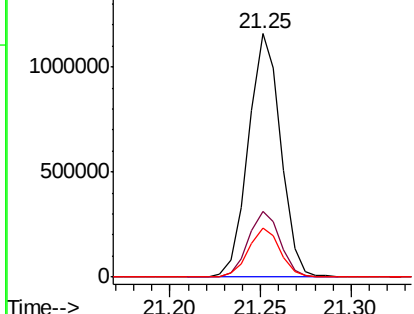
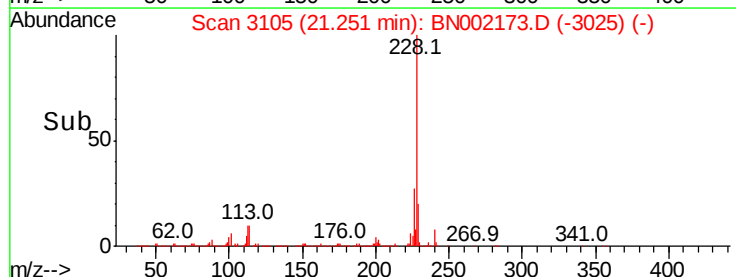


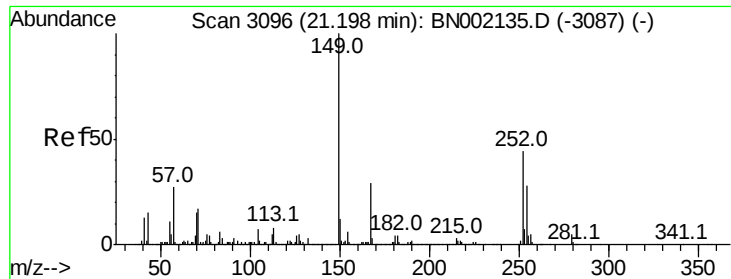
#82
Chrysene
Concen: 29.455 ng
RT: 21.25 min Scan# 3105
Delta R.T. -0.06 min
Lab File: BN002173.D
Acq: 26 Jul 2018 15:32

Tgt Ion:228 Resp: 1435277
Ion Ratio Lower Upper
228 100
226 26.7 24.9 37.3
229 20.1 15.0 22.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

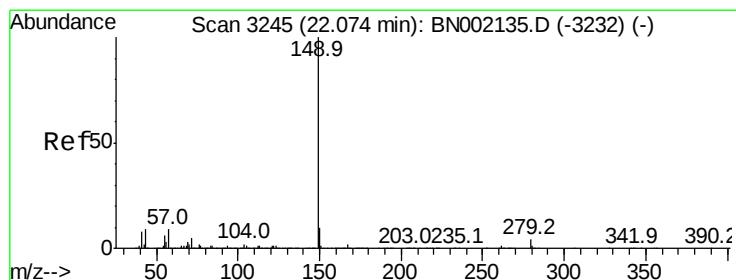
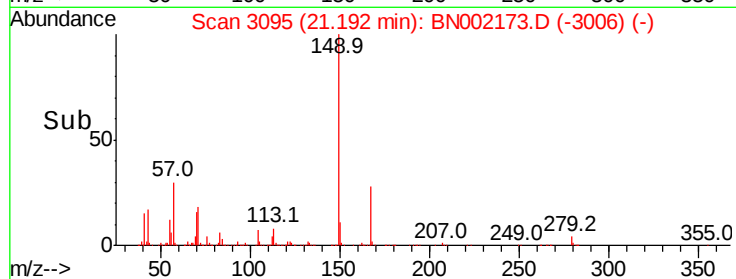
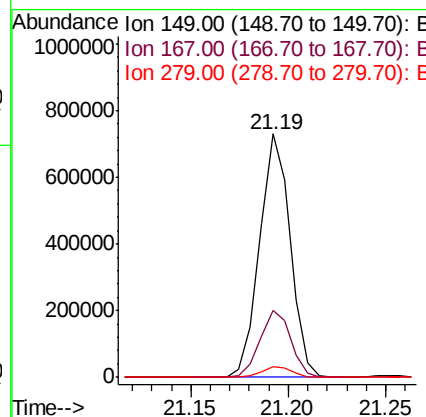
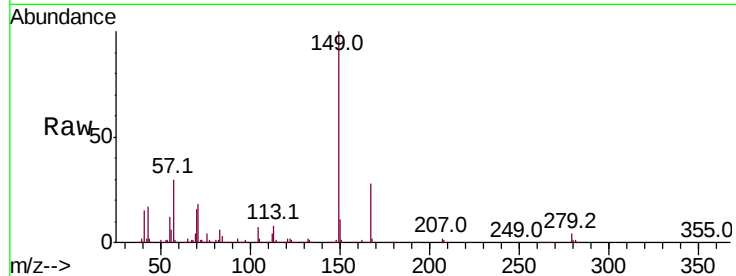




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 22.512 ng
 RT: 21.19 min Scan# 3095
 Delta R.T. -0.01 min
 Lab File: BN002173.D
 Acq: 26 Jul 2018 15:32

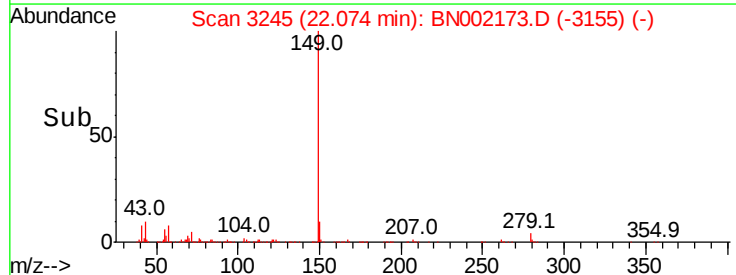
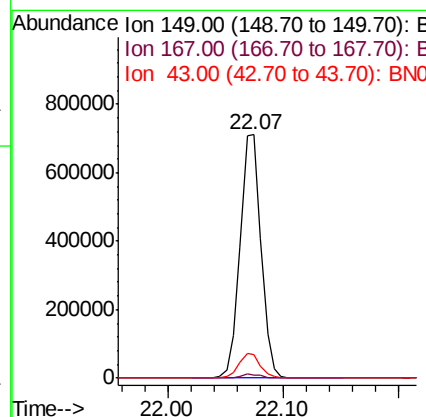
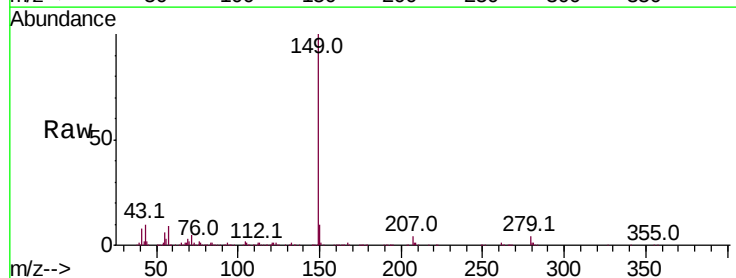
Instrument :
 BNA_N
 ClientSampleId :

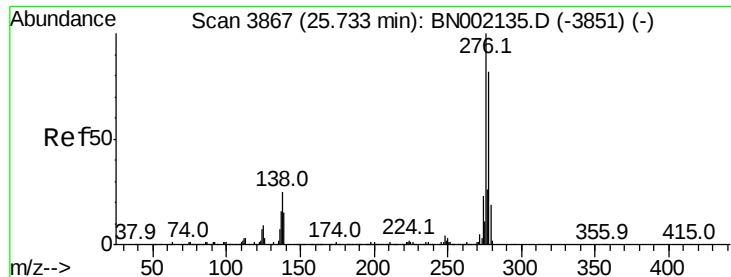
Tot Ion	Ratio	Lower	Upper
149	100		
167	27.8	24.3	36.5
279	4.4	4.0	6.0



#84
 Di-n-octyl phthalate
 Concen: 15.993 ng
 RT: 22.07 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: BN002173.D
 Acq: 26 Jul 2018 15:32

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	10.2	8.9	13.3





#85

Indeno(1,2,3-cd)pyrene

Concen: 11.988 ng

RT: 25.72 min Scan# 3865

Delta R.T. -0.01 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

Instrument :

BNA_N

ClientSampleId :

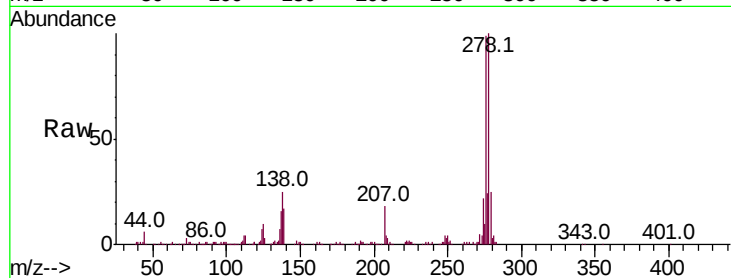
Tot Ion:276 Resp: 569543

Ion Ratio Lower Upper

276 100

138 26.7 16.0 24.0#

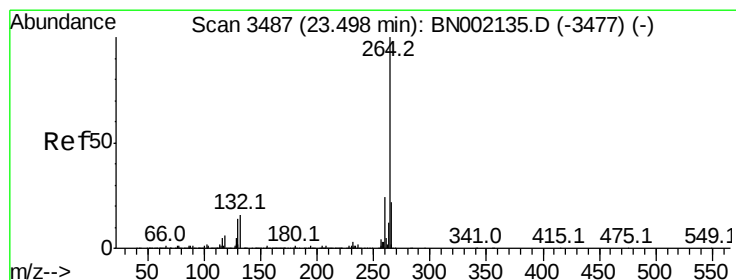
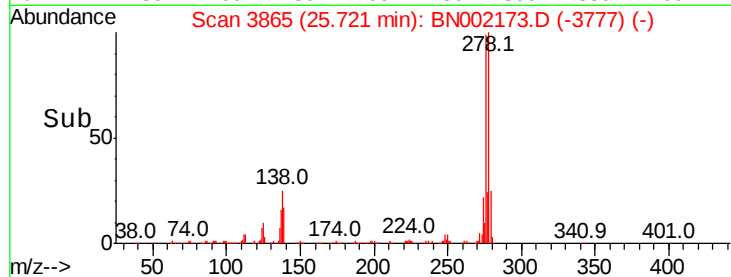
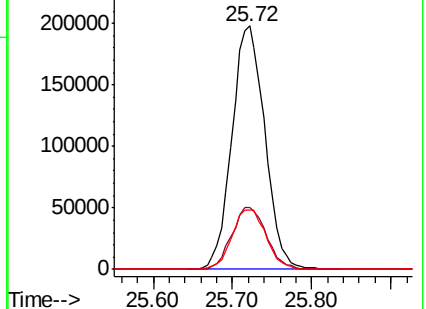
277 25.4 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.49 min Scan# 3486

Delta R.T. -0.01 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

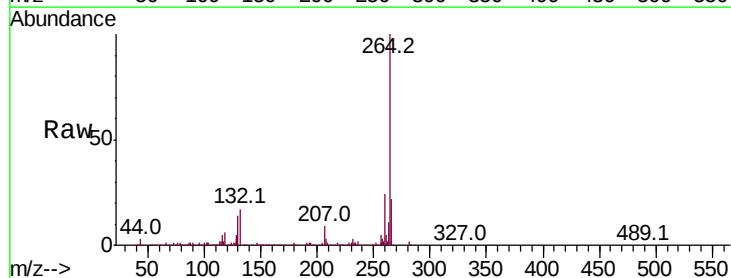
Tgt Ion:264 Resp: 817786

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

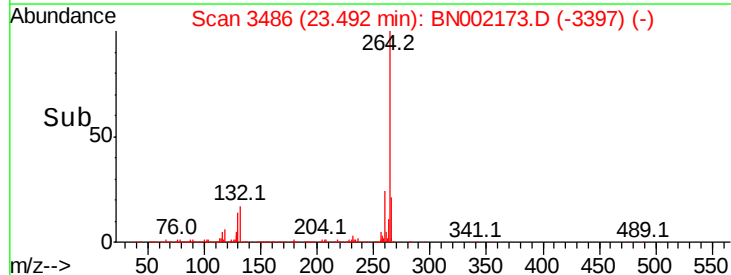
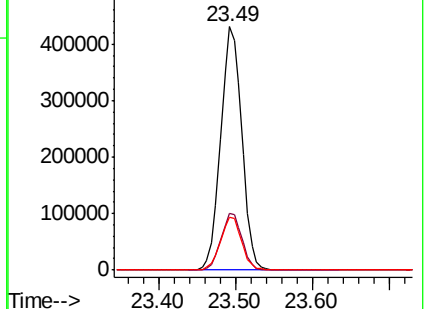
265 21.5 17.7 26.5

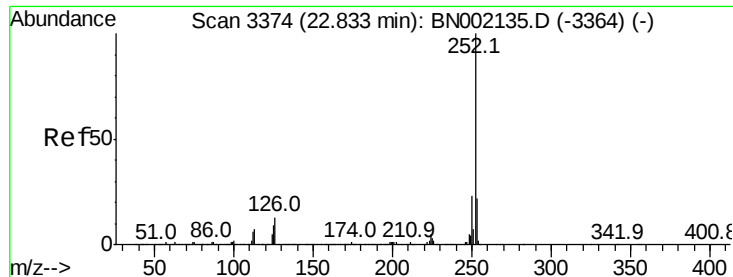


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 22.392 ng

RT: 22.83 min Scan# 3373

Delta R.T. -0.01 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

Instrument :

BNA_N

ClientSampleId :

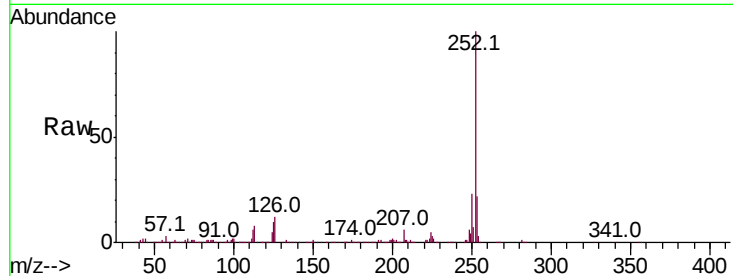
Tot Ion:252 Resp: 1080717

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.4

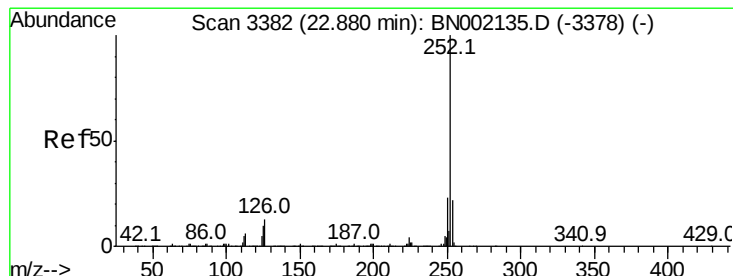
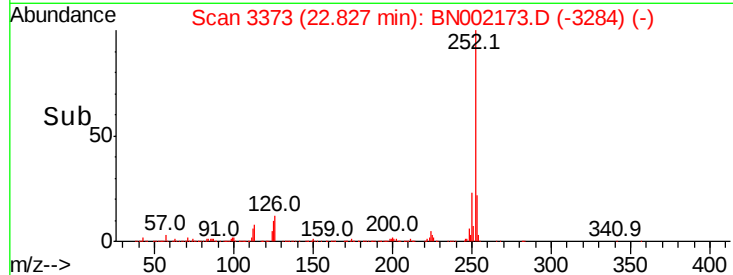
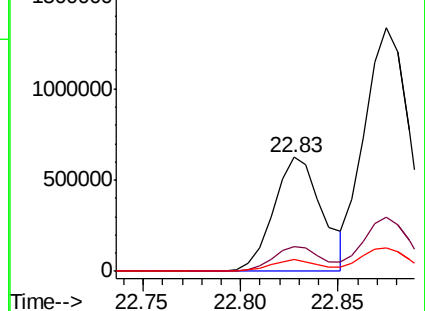
125 10.1 7.2 10.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 45.287 ng

RT: 22.87 min Scan# 3381

Delta R.T. -0.01 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

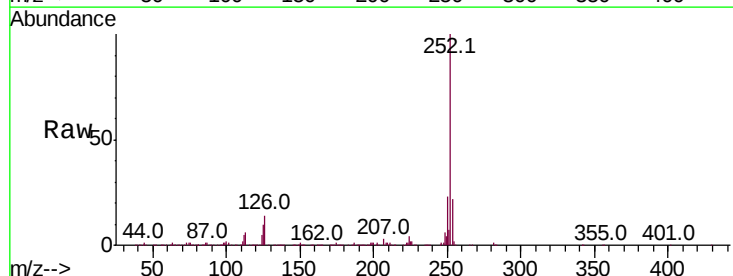
Tgt Ion:252 Resp: 2152602

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

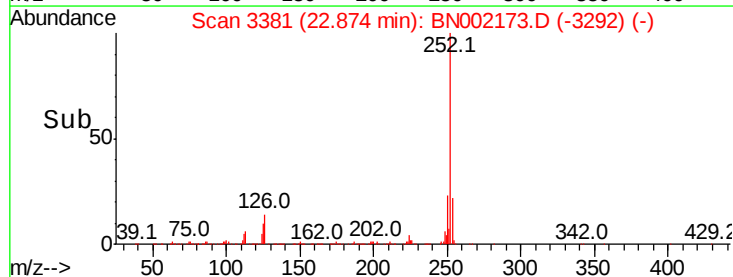
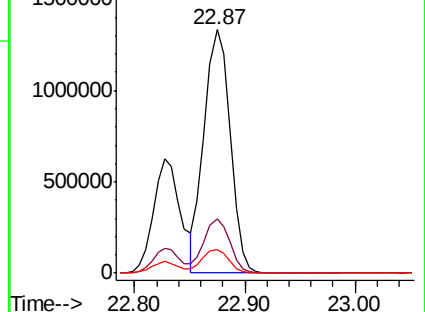
125 9.8 6.6 9.8#

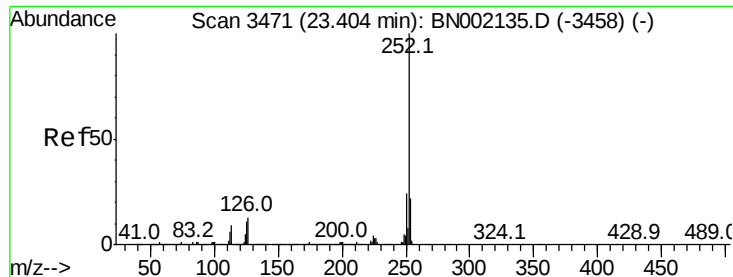


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 46.874 ng

RT: 23.40 min Scan# 3471

Delta R.T. 0.00 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

Instrument :

BNA_N

ClientSampleId :

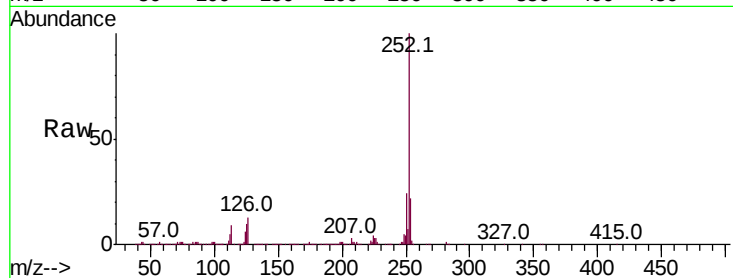
Tot Ion:252 Resp: 2112822

Ion Ratio Lower Upper

252 100

253 21.6 18.3 27.5

125 10.1 7.3 10.9

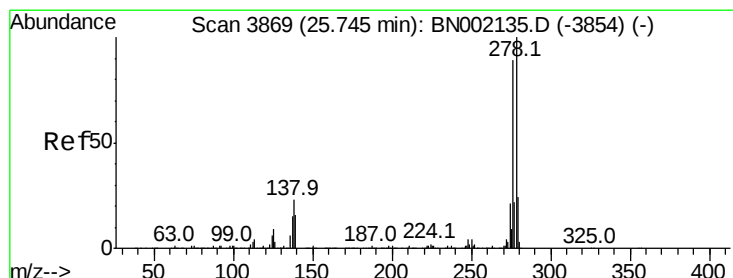
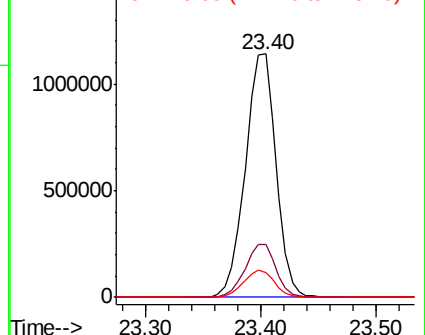
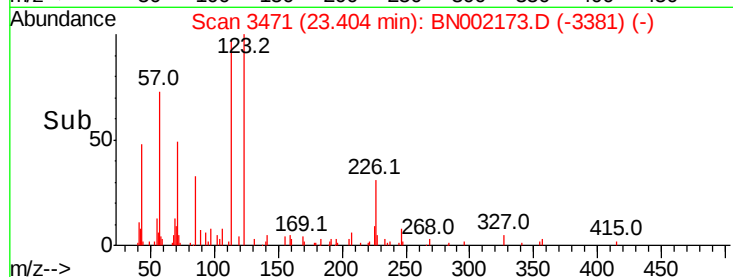


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 14.575 ng

RT: 25.73 min Scan# 3866

Delta R.T. -0.02 min

Lab File: BN002173.D

Acq: 26 Jul 2018 15:32

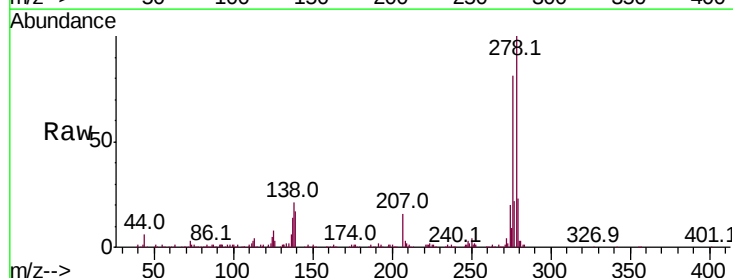
Tgt Ion:278 Resp: 616810

Ion Ratio Lower Upper

278 100

139 17.0 9.8 14.6#

279 23.3 18.4 27.6



Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

