

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072618\
 Data File : BN002171.D
 Acq On : 26 Jul 2018 12:30
 Operator : JU/SJ
 Sample : J4086-25DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 27 01:19:53 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	208113	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	875985	20.00	ng	0.00
38) Acenaphthene-d10	14.32	164	476760	20.00	ng	0.00
63) Phenanthrene-d10	17.07	188	981695	20.00	ng	0.00
75) Chrysene-d12	21.26	240	891334	20.00	ng	-0.01
86) Perylene-d12	23.49	264	894759	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	364979	28.23	ng	0.00
7) Phenol-d6	6.87	99	511388	28.19	ng	0.00
23) Nitrobenzene-d5	8.84	82	330089	19.32	ng	0.00
41) 2,4,6-Tribromophenol	15.82	330	162177	26.20	ng	0.00
44) 2-Fluorobiphenyl	12.94	172	754826	20.62	ng	0.00
78) Terphenyl-d14	19.70	244	946511	22.15	ng	0.00

Target Compounds

						Qvalue
4) n-Nitrosodimethylamine	3.58	42	97319	16.139	ng	# 70
6) Aniline	7.12	93	229124	10.340	ng	# 51
11) bis(2-Chloroethyl)ether	7.12	93	229124	15.139	ng	95
12) 1,3-Dichlorobenzene	7.58	146	516896	30.254	ng	97
13) 1,4-Dichlorobenzene	7.72	146	190180	10.881	ng	95
14) 1,2-Dichlorobenzene	7.72	146	190180	11.279	ng	96
19) n-Nitroso-di-n-propylamine	8.84	70	43482	3.305	ng	# 80
24) Nitrobenzene	8.88	77	488238	27.580	ng	95
31) Naphthalene	10.51	128	1536572	34.756	ng	97
33) 4-Chloroaniline	10.52	127	202785	10.309	ng	# 32
34) Hexachlorobutadiene	10.80	225	240944	25.051	ng	96
37) 2-Methylnaphthalene	12.13	142	1056961	33.899	ng	94
40) Hexachlorocyclopentadiene	12.48	237	156053	17.236	ng	92
46) 2-Chloronaphthalene	13.19	162	1015520	31.360	ng	98
48) Acenaphthylene	14.04	152	1047073	21.308	ng	97
50) 2,6-Dinitrotoluene	13.90	165	222014	25.233	ng	98
51) Acenaphthene	14.39	154	308022	10.406	ng	99
54) Dibenzofuran	14.72	168	1062257	22.134	ng	95
55) 4-Nitrophenol	14.72	139	408956	55.877	ng	# 1
56) 2,4-Dinitrotoluene	14.69	165	348796	29.210	ng	91
57) Fluorene	15.37	166	834174	23.061	ng	96
59) Diethylphthalate	15.15	149	1172112	29.078	ng	98
60) 4-Chlorophenyl-phenylether	15.37	204	439966	21.981	ng	96
62) Azobenzene	15.37	77	187669	4.852	ng	# 37
66) 4-Bromophenyl-phenylether	16.26	248	143372	12.475	ng	# 90
67) Hexachlorobenzene	16.37	284	143273	11.271	ng	94
70) Phenanthrene	17.11	178	1322605	24.682	ng	99
71) Anthracene	17.20	178	1449615	27.332	ng	97
73) Di-n-butylphthalate	18.05	149	1298262	20.914	ng	98
74) Fluoranthene	19.13	202	1059892	18.218	ng	98
77) Pyrene	19.49	202	1492414	24.279	ng	100
79) Butylbenzylphthalate	20.41	149	676967	25.300	ng	92
84) Di-n-octyl phthalate	22.07	149	1461922	24.711	ng	98
85) Indeno(1,2,3-cd)pyrene	25.73	276	145815	2.891	ng	# 65

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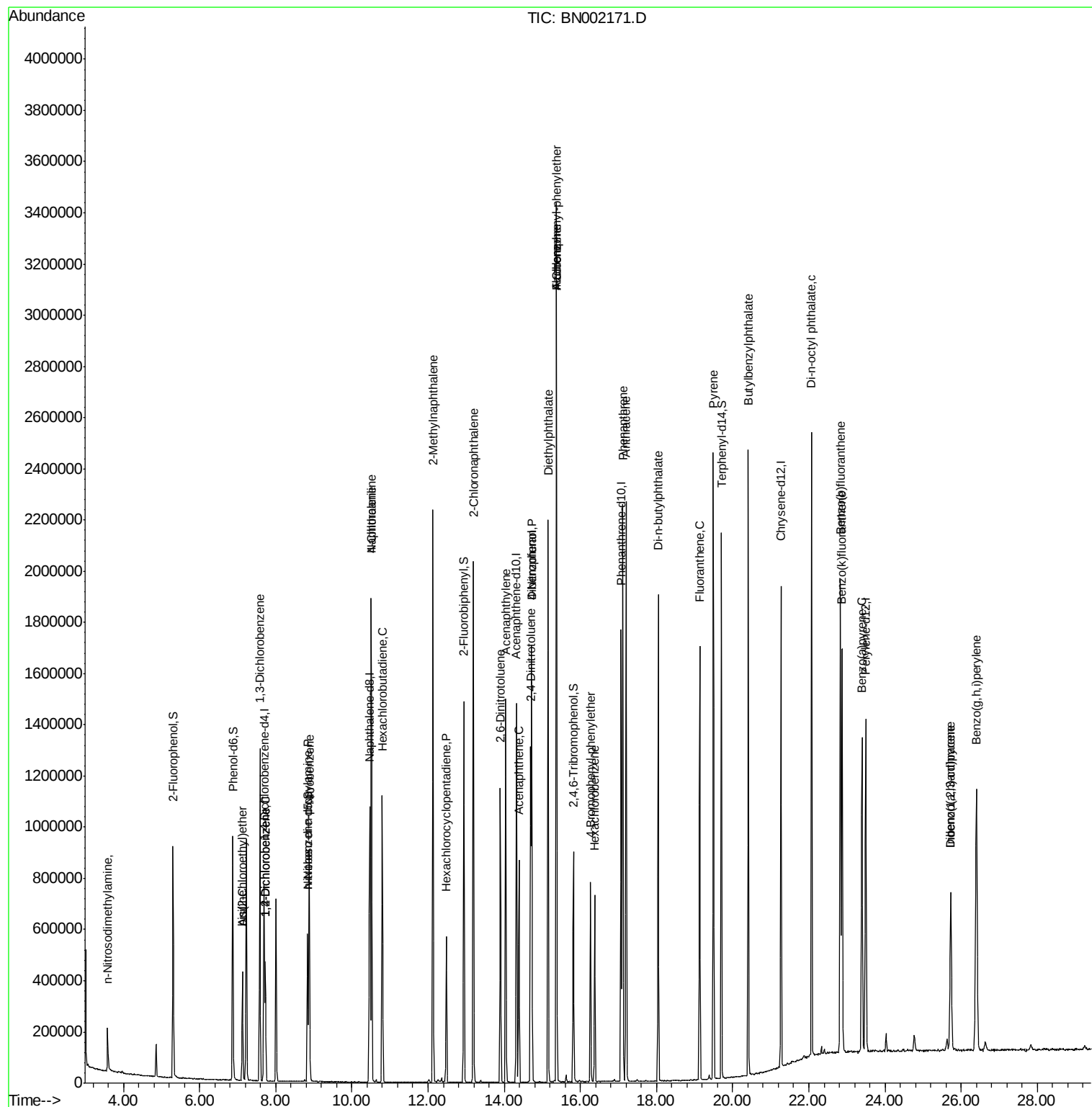
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Benzo(b)fluoranthene	22.83	252	1216263	23.032	nq	98
88) Benzo(k)fluoranthene	22.87	252	1063096	20.442	nq	98
89) Benzo(a)pyrene	23.40	252	841655	17.066	nq	98
90) Dibenzo(a,h)anthracene	25.73	278	635046	13.715	nq #	94
91) Benzo(g,h,i)perylene	26.40	276	1201563	26.853	nq	96

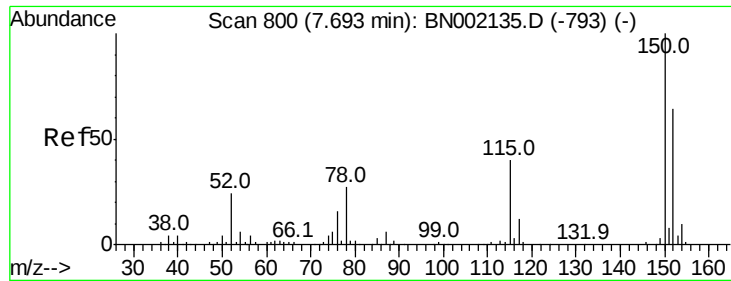
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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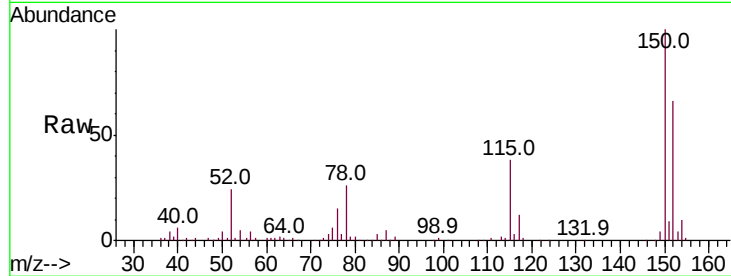


#1

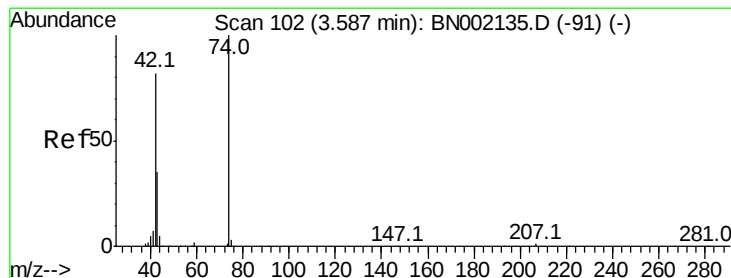
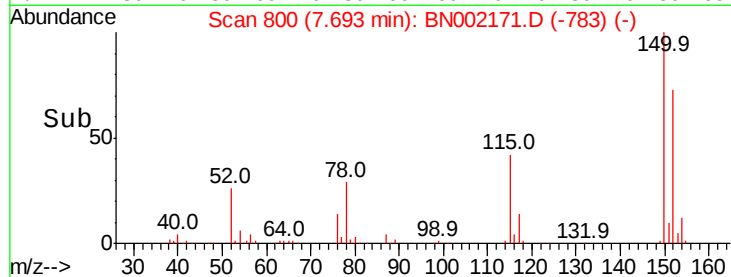
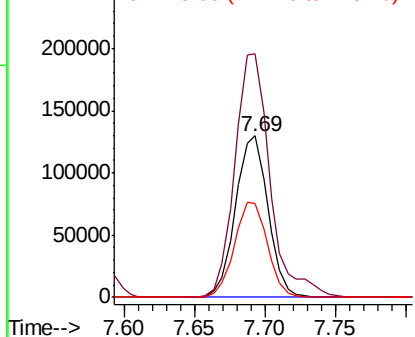
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 800
Delta R.T. 0.00 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 208113
Ion Ratio Lower Upper
152 100
150 150.9 126.6 189.8
115 57.9 53.0 79.4



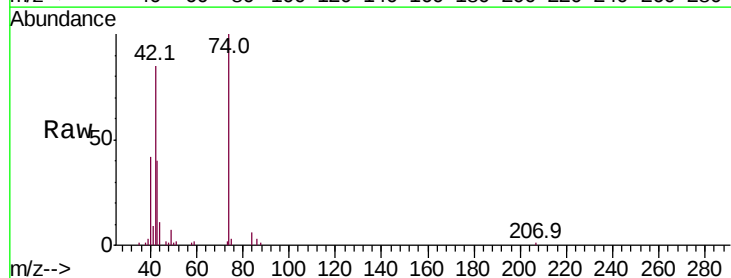
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



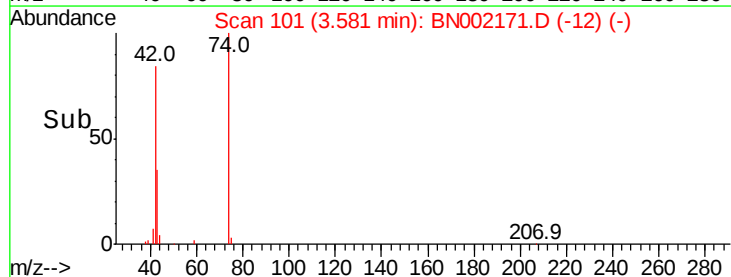
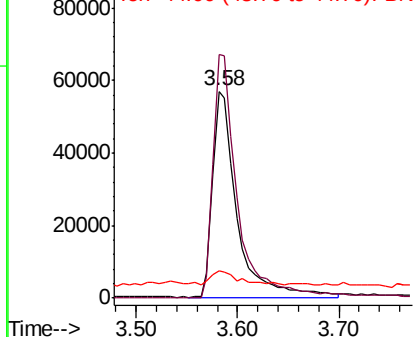
#4

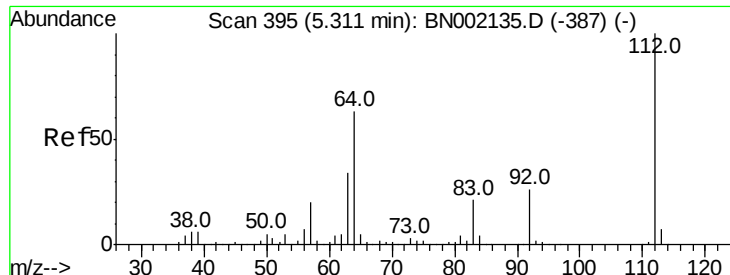
n-Nitrosodimethylamine
Concen: 16.139 ng
RT: 3.58 min Scan# 101
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

Tgt Ion: 42 Resp: 97319
Ion Ratio Lower Upper
42 100
74 117.6 128.0 192.0#
44 13.0 12.0 18.0



Abundance Ion 42.00 (41.70 to 42.70): BNC
Ion 74.00 (73.70 to 74.70): BNC
Ion 44.00 (43.70 to 44.70): BNC





#5

2-Fluorophenol

Concen: 28.234 ng

RT: 5.30 min Scan# 394

Delta R.T. -0.01 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

Instrument :

BNA_N

ClientSampleId :

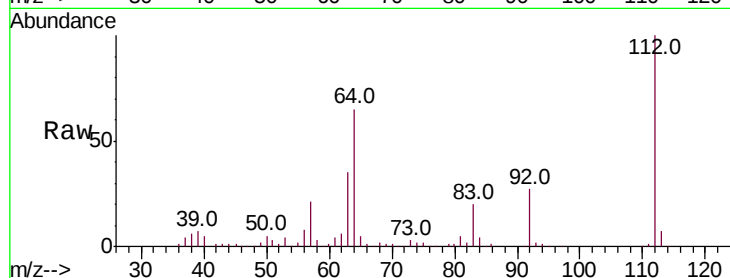
Tot Ion:112 Resp: 364979

Ion Ratio Lower Upper

112 100

64 65.0 56.3 84.5

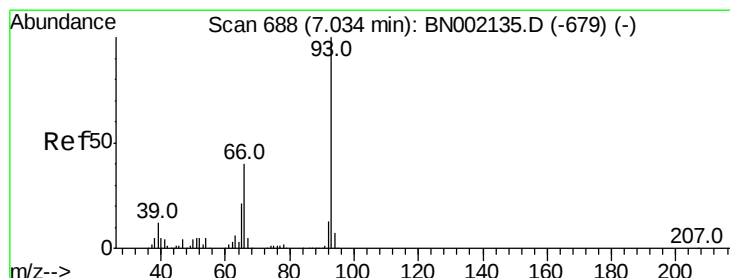
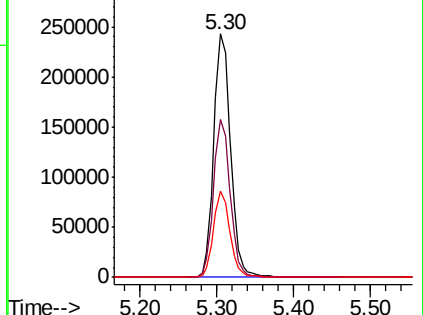
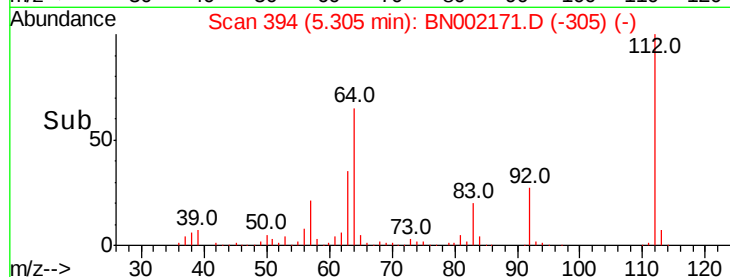
63 35.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#6

Aniline

Concen: 10.340 ng

RT: 7.12 min Scan# 703

Delta R.T. 0.09 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

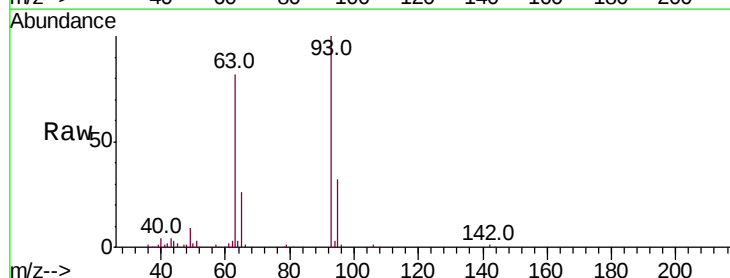
Tgt Ion: 93 Resp: 229124

Ion Ratio Lower Upper

93 100

66 0.6 33.7 50.5#

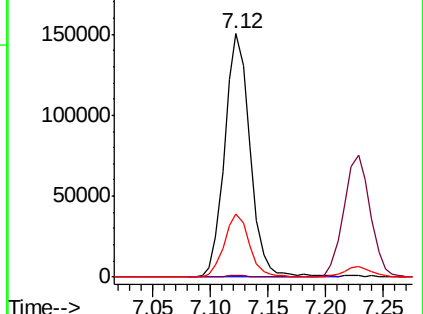
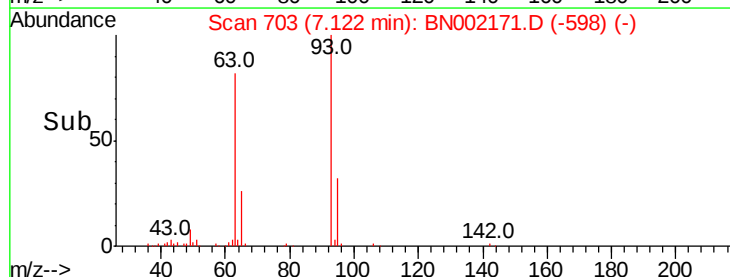
65 26.1 16.1 24.1#

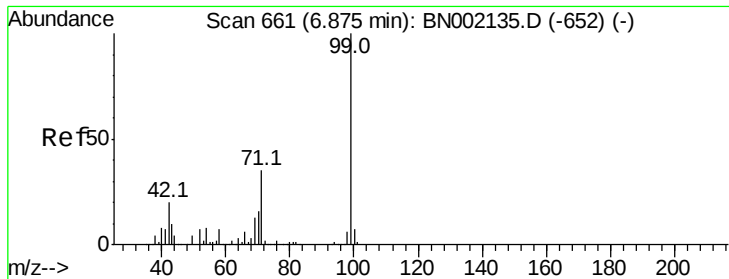


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 66.00 (65.70 to 66.70): BNC

Ion 65.00 (64.70 to 65.70): BNC





#7

Phenol-d6

Concen: 28.190 ng

RT: 6.87 min Scan# 660

Delta R.T. -0.01 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

Instrument :

BNA_N

ClientSampleId :

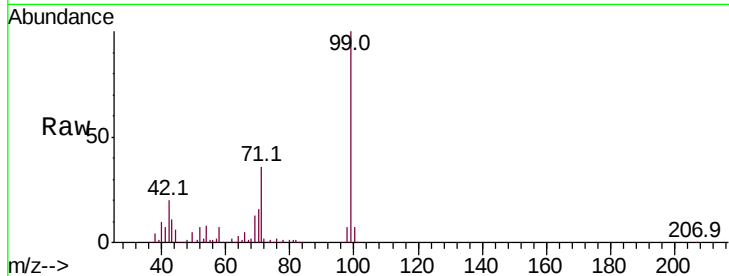
Tot Ion: 99 Resp: 511388

Ion Ratio Lower Upper

99 100

42 20.0 14.1 21.1

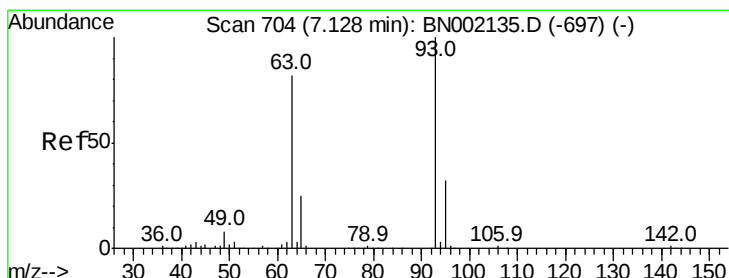
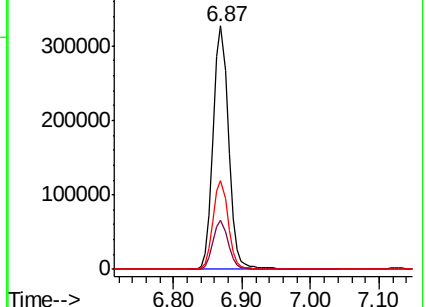
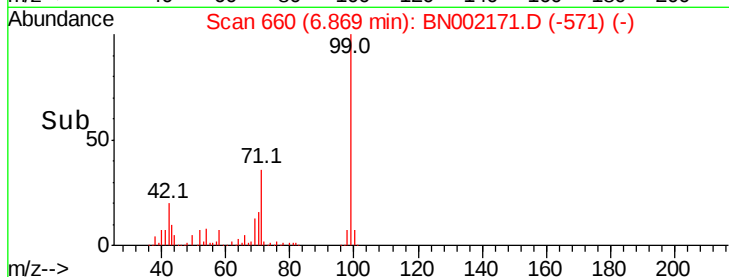
71 36.5 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BN002135.D (-652) (-)

Ion 42.00 (41.70 to 42.70): BN002135.D (-652) (-)

Ion 71.00 (70.70 to 71.70): BN002135.D (-652) (-)



#11

bis(2-Chloroethyl)ether

Concen: 15.139 ng

RT: 7.12 min Scan# 703

Delta R.T. -0.01 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

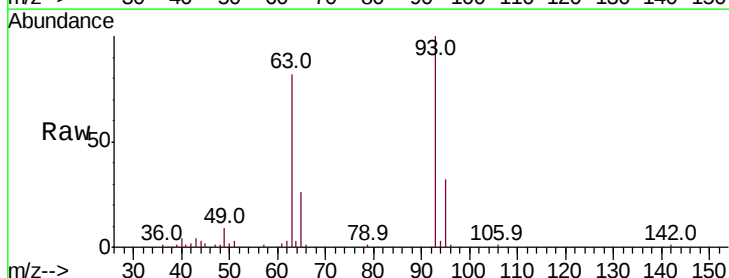
Tgt Ion: 93 Resp: 229124

Ion Ratio Lower Upper

93 100

63 81.6 67.1 107.1

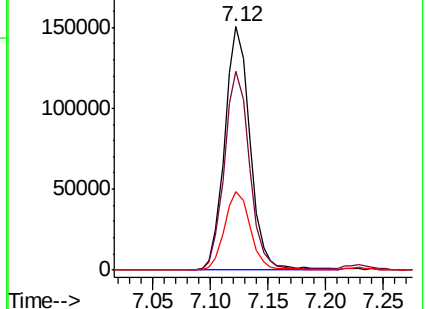
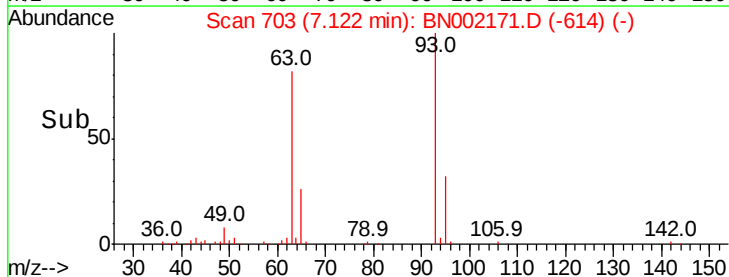
95 32.2 11.5 51.5

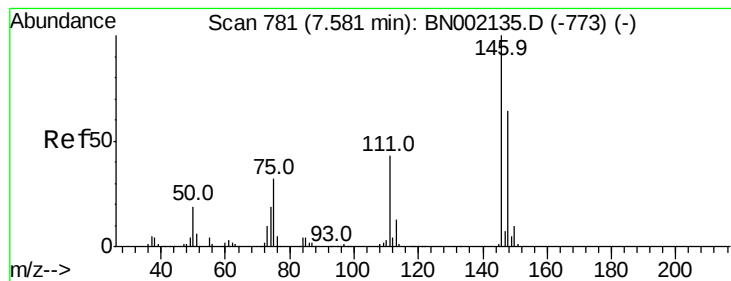


Abundance Ion 93.00 (92.70 to 93.70): BN002135.D (-697) (-)

Ion 63.00 (62.70 to 63.70): BN002135.D (-697) (-)

Ion 95.00 (94.70 to 95.70): BN002135.D (-697) (-)





#12

1,3-Dichlorobenzene

Concen: 30.254 ng

RT: 7.58 min Scan# 781

Delta R.T. 0.00 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

Instrument :

BNA_N

ClientSampleId :

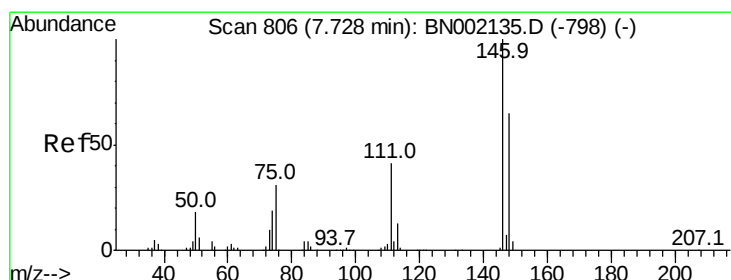
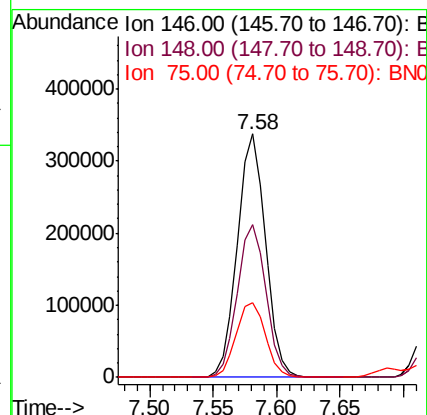
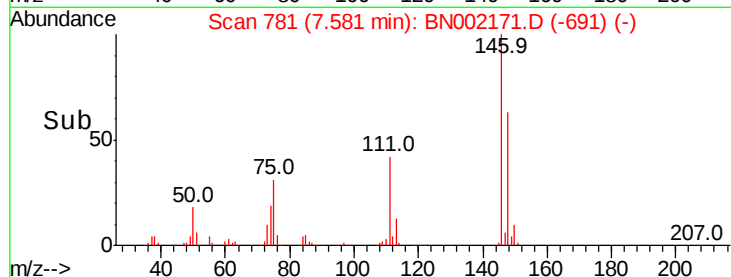
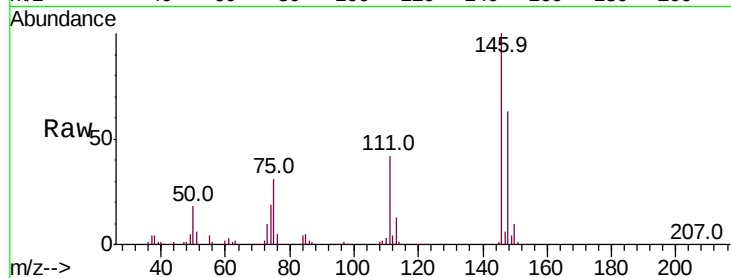
Tot Ion:146 Resp: 516896

Ion Ratio Lower Upper

146 100

148 62.7 51.4 77.2

75 30.6 26.6 39.8



#13

1,4-Dichlorobenzene

Concen: 10.881 ng

RT: 7.72 min Scan# 805

Delta R.T. -0.01 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

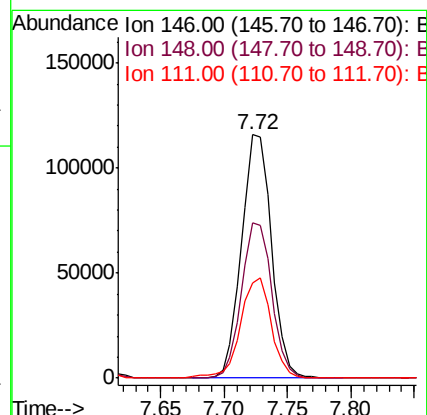
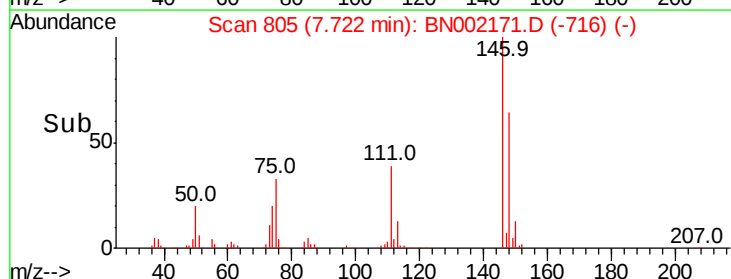
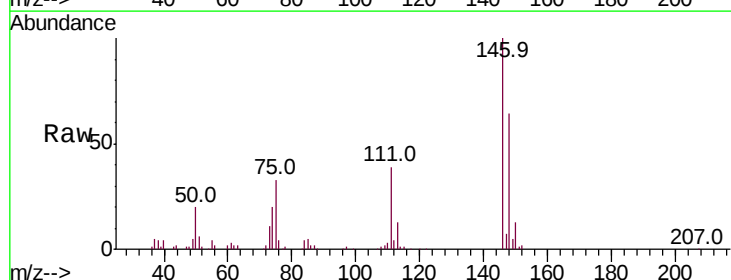
Tgt Ion:146 Resp: 190180

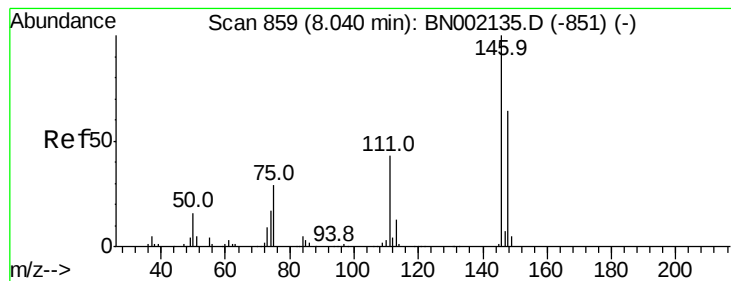
Ion Ratio Lower Upper

146 100

148 63.8 53.7 80.5

111 39.3 35.2 52.8





#14

1,2-Dichlorobenzene

Concen: 11.279 ng

RT: 7.72 min Scan# 805

Delta R.T. -0.32 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

Instrument :

BNA_N

ClientSampleId :

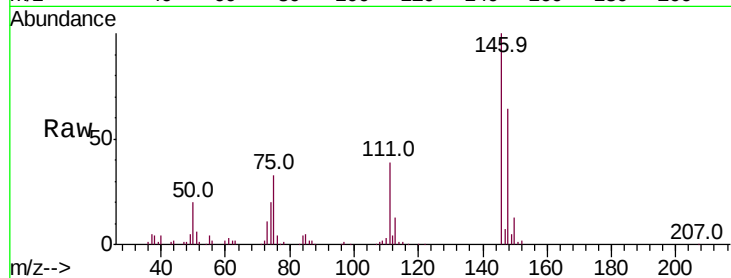
Tot Ion:146 Resp: 190180

Ion Ratio Lower Upper

146 100

148 63.8 49.3 73.9

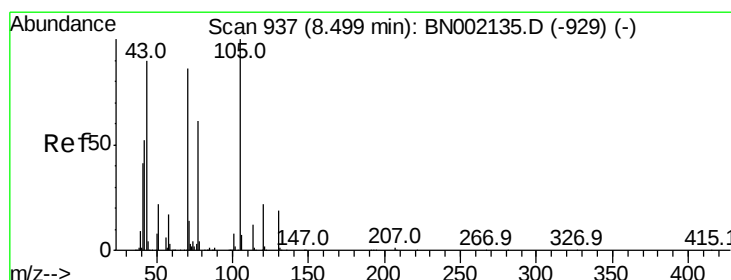
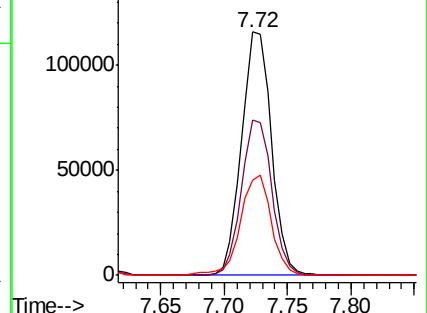
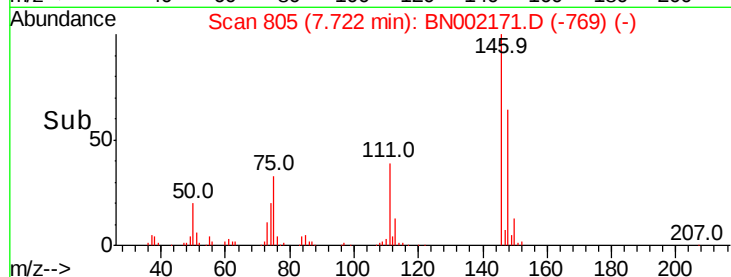
111 39.3 34.3 51.5



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 3.305 ng

RT: 8.84 min Scan# 995

Delta R.T. 0.34 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

Tgt Ion: 70 Resp: 43482

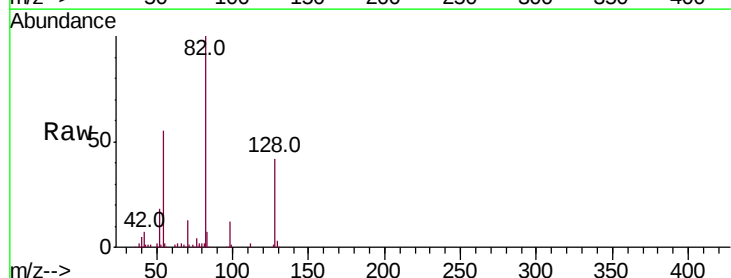
Ion Ratio Lower Upper

70 100

42 49.4 49.1 73.7

101 0.0 8.5 12.7#

130 2.8 13.4 20.0#

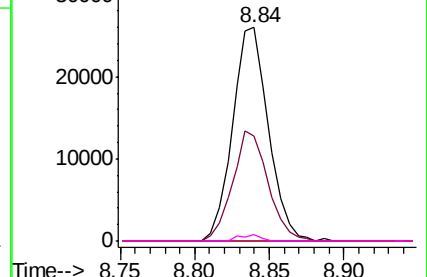
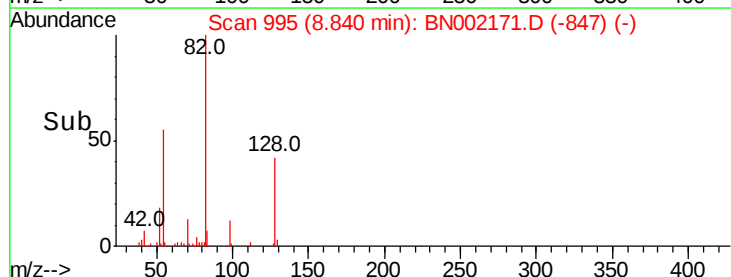


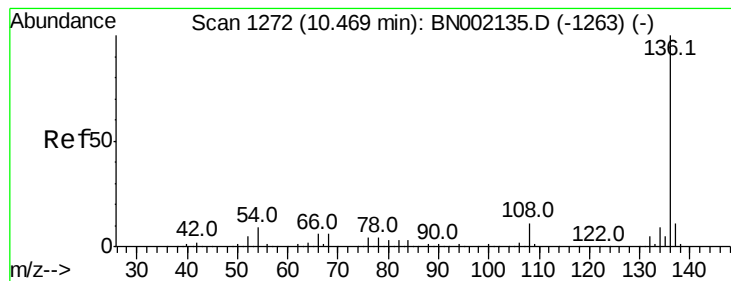
Abundance Ion 70.00 (69.70 to 70.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.46 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

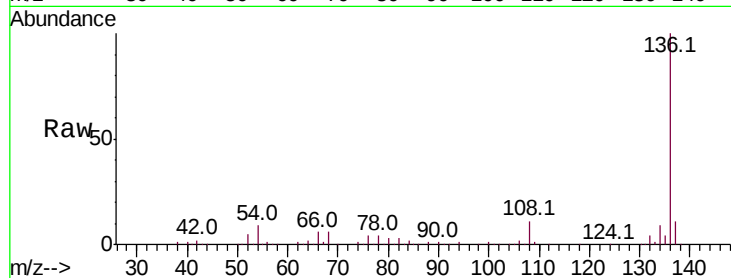
Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 875985

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	9.2	10.3	15.5
68	6.2	4.5	6.7

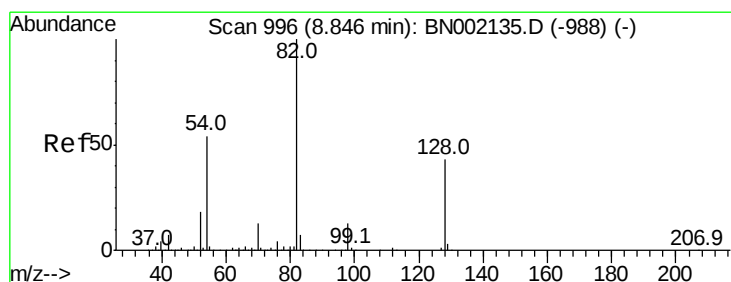
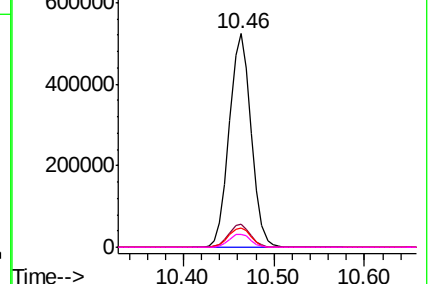
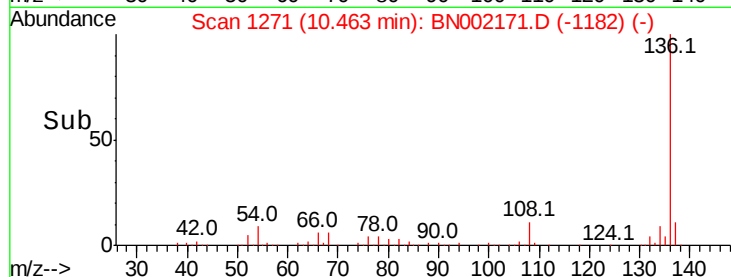


Abundance Ion 136.00 (135.70 to 136.70): E

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: 19.325 ng

RT: 8.84 min Scan# 995

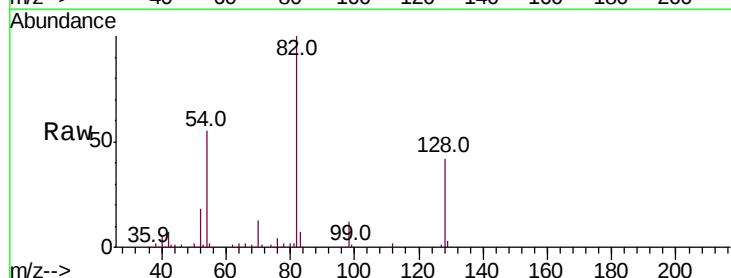
Delta R.T. -0.01 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

Tgt Ion: 82 Resp: 330089

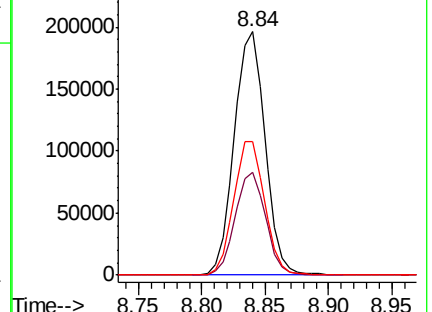
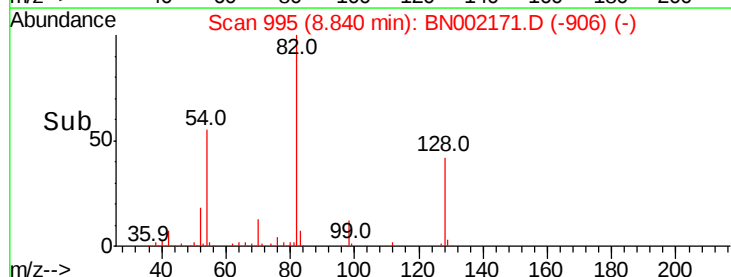
Ion	Ratio	Lower	Upper
82	100		
128	42.2	29.7	44.5
54	54.9	43.1	64.7

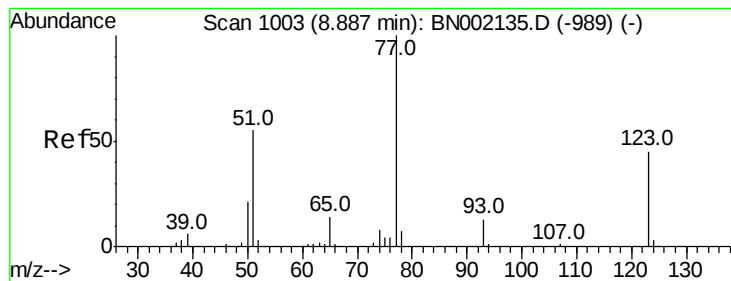


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#24

Nitrobenzene

Concen: 27.580 ng

RT: 8.88 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

Instrument :

BNA_N

ClientSampleId :

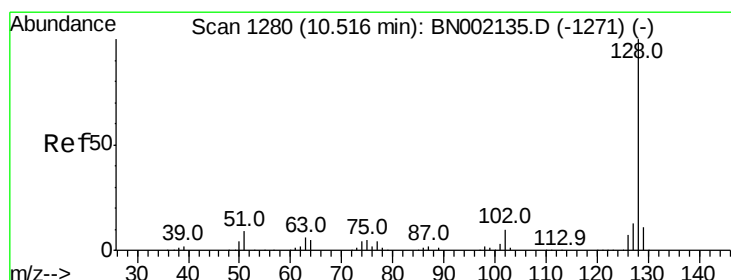
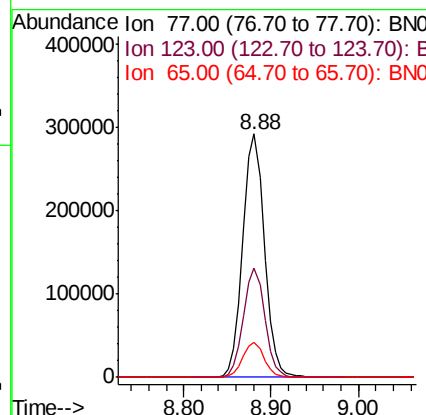
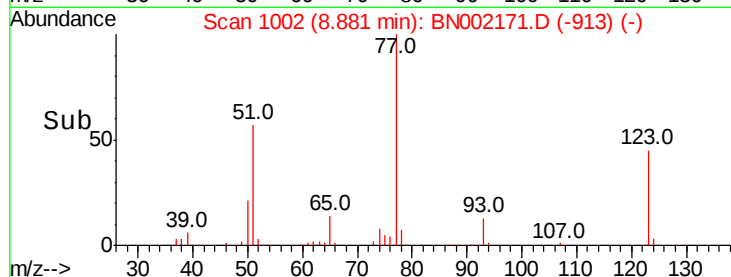
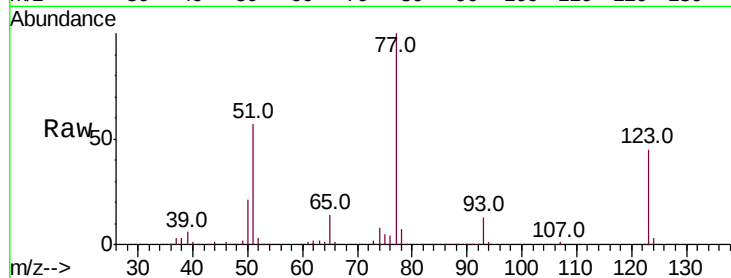
Tot Ion: 77 Resp: 488238

Ion Ratio Lower Upper

77 100

123 44.7 33.0 49.6

65 14.2 13.0 19.6



#31

Naphthalene

Concen: 34.756 ng

RT: 10.51 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

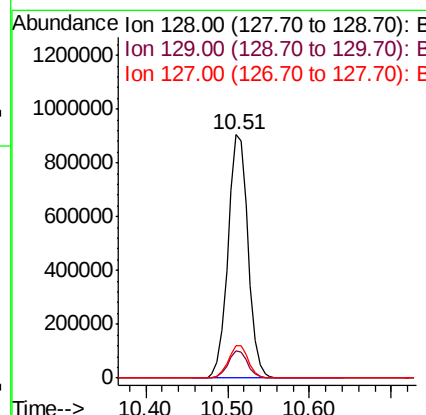
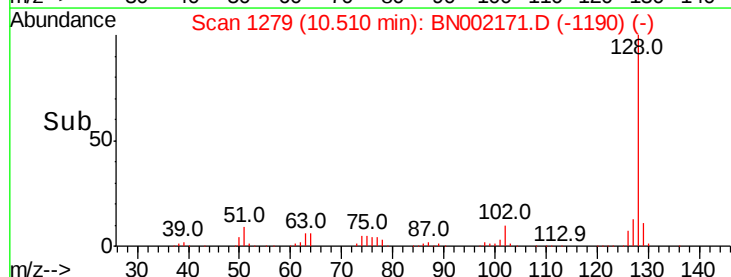
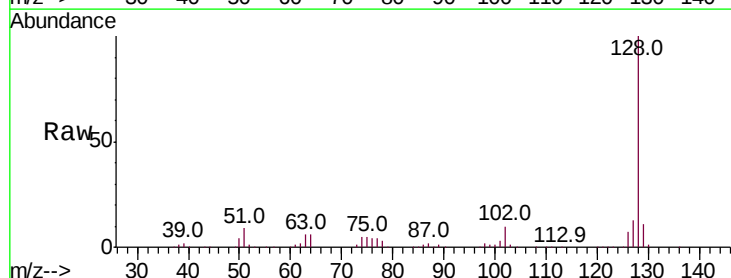
Tgt Ion:128 Resp: 1536572

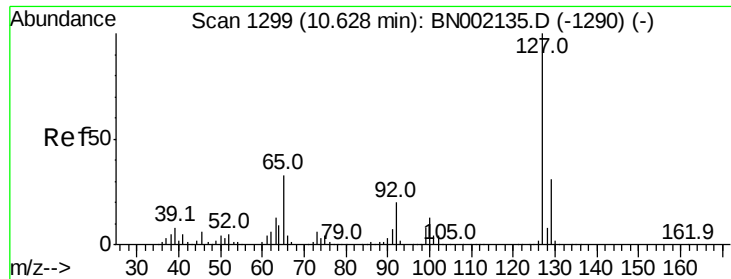
Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

127 13.1 11.6 17.4

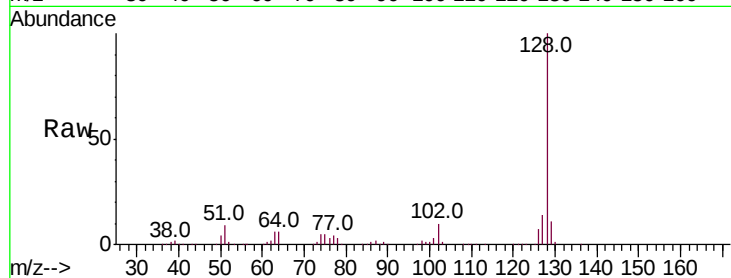




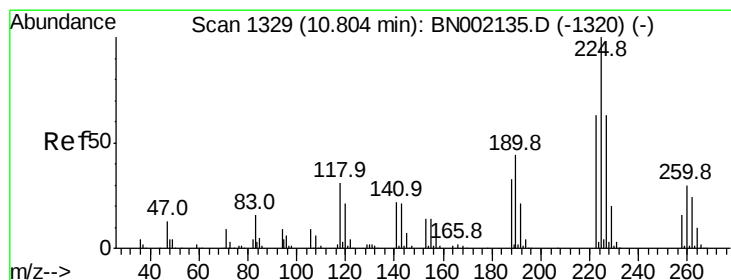
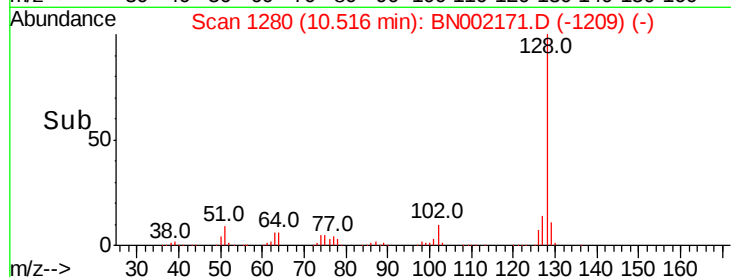
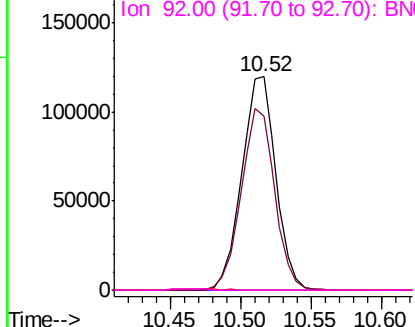
#33
4-Chloroaniline
Concen: 10.309 ng
RT: 10.52 min Scan# 1280
Delta R.T. -0.11 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

Instrument :
BNA_N
ClientSampleId :

Tot Ion:	127	Resp:	202785
Ion	Ratio	Lower	Upper
127	100		
129	81.5	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#

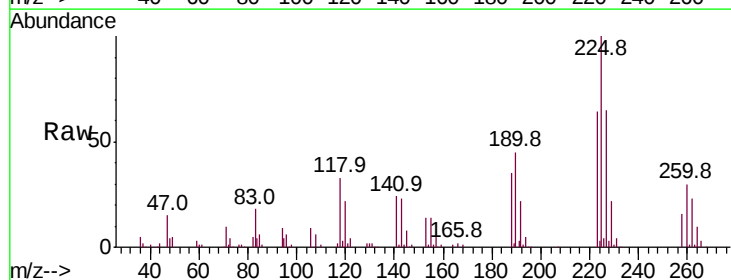


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BNC
Ion 92.00 (91.70 to 92.70): BNC

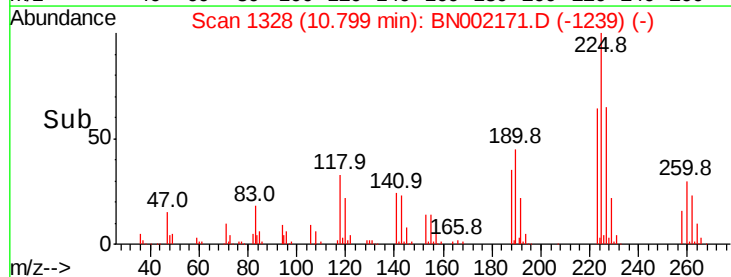
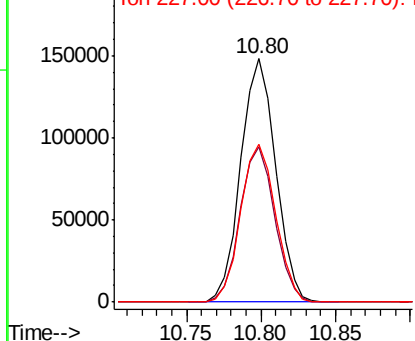


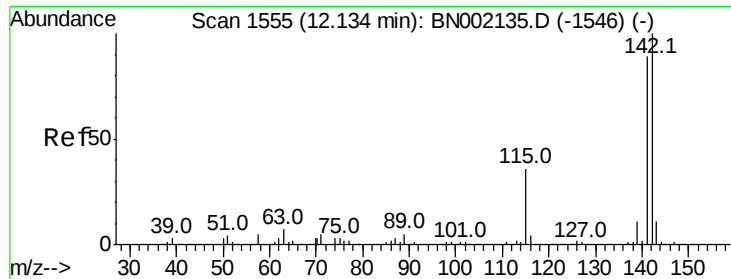
#34
Hexachlorobutadiene
Concen: 25.051 ng
RT: 10.80 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

Tgt Ion:	225	Resp:	240944
Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.7	74.5
227	64.9	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

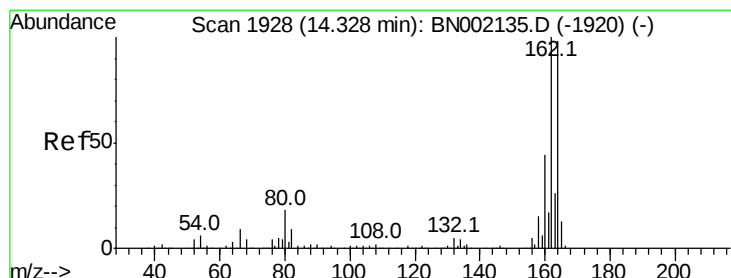
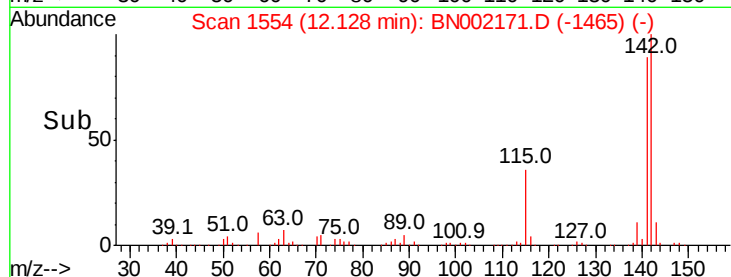
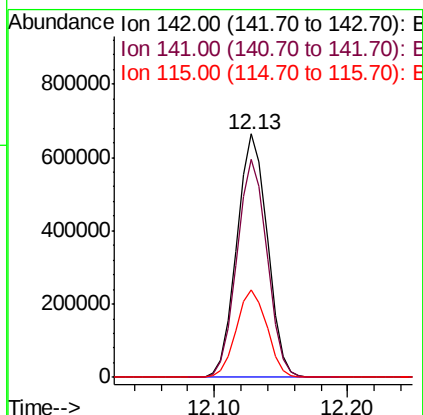
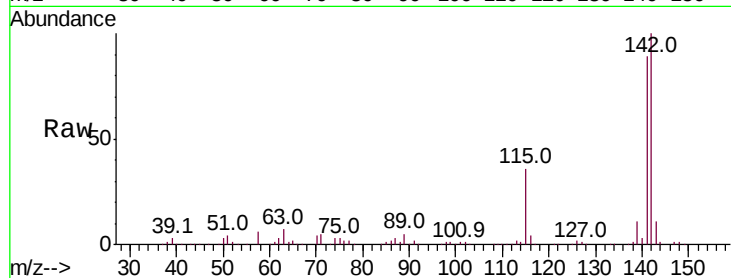




#37
2-Methylnaphthalene
Concen: 33.899 ng
RT: 12.13 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

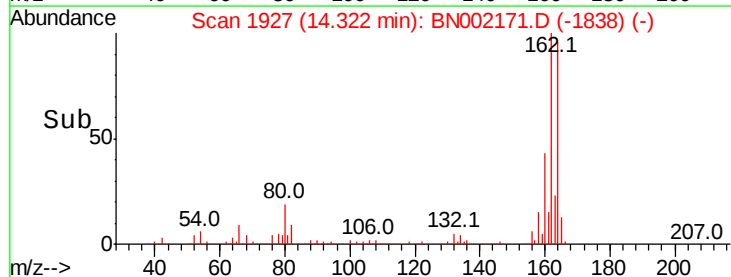
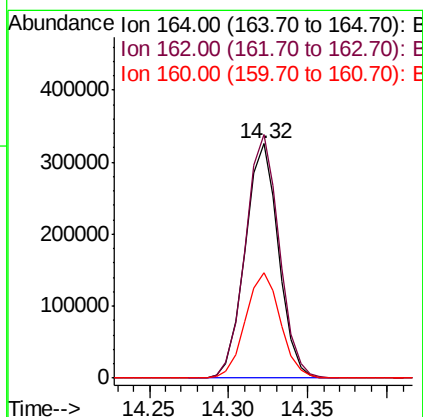
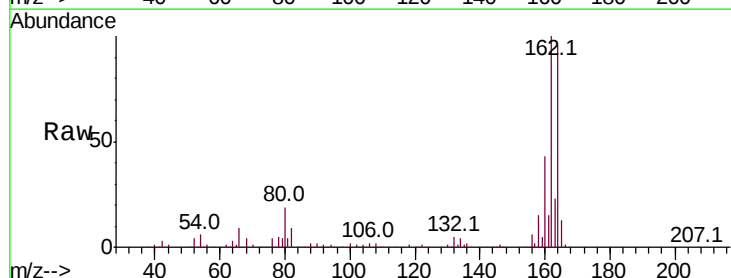
Instrument :
BNA_N
ClientSampleId :

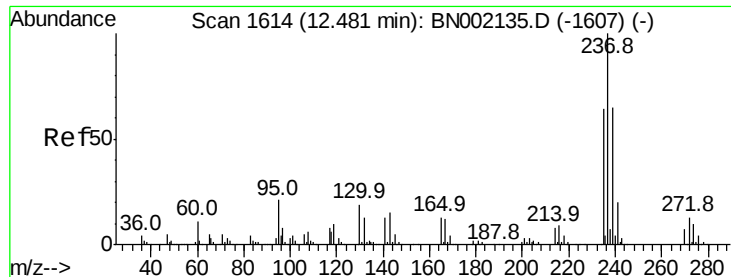
Tot Ion:142 Resp: 1056961
Ion Ratio Lower Upper
142 100
141 89.3 67.1 100.7
115 35.7 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1927
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

Tgt Ion:164 Resp: 476760
Ion Ratio Lower Upper
164 100
162 103.9 78.8 118.2
160 45.1 35.4 53.0





#40

Hexachlorocyclopentadiene

Concen: 17.236 ng

RT: 12.48 min Scan# 1614

Delta R.T. 0.00 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

Instrument :

BNA_N

ClientSampleId :

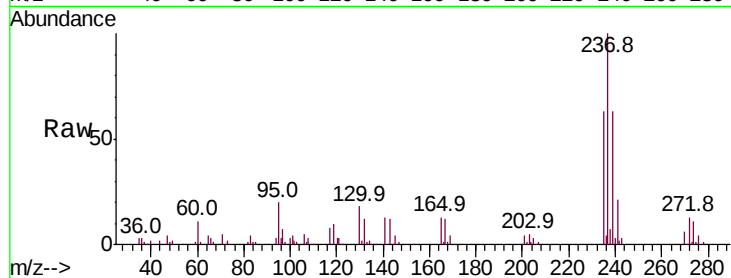
Tot Ion:237 Resp: 156053

Ion Ratio Lower Upper

237 100

235 62.6 50.4 90.4

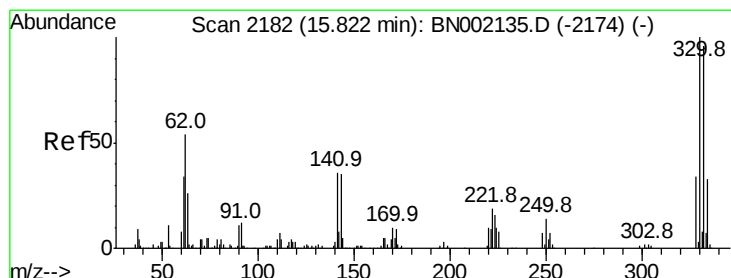
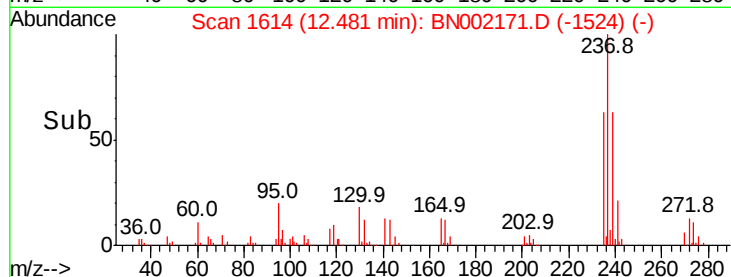
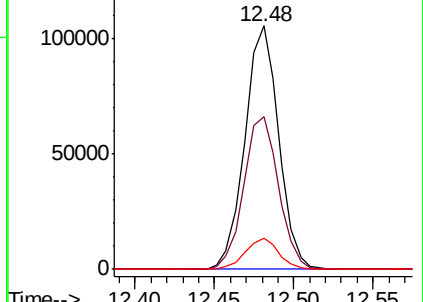
272 12.7 0.0 31.8



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 26.196 ng

RT: 15.82 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

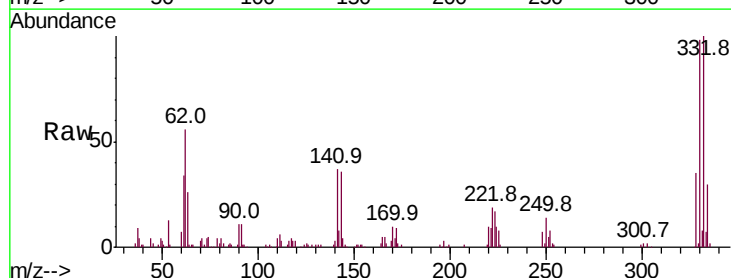
Tgt Ion:330 Resp: 162177

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

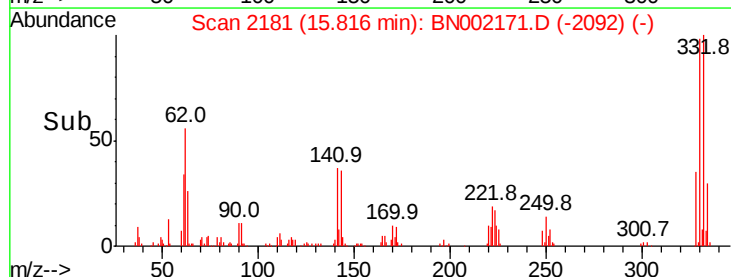
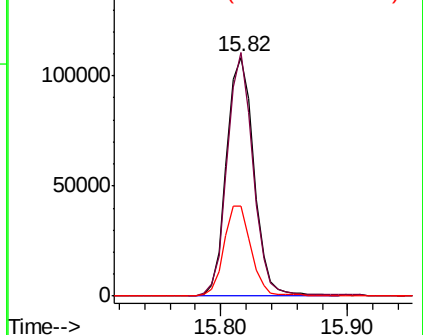
141 37.4 25.2 37.8

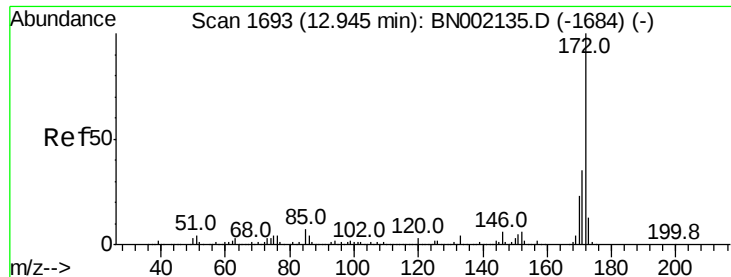


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

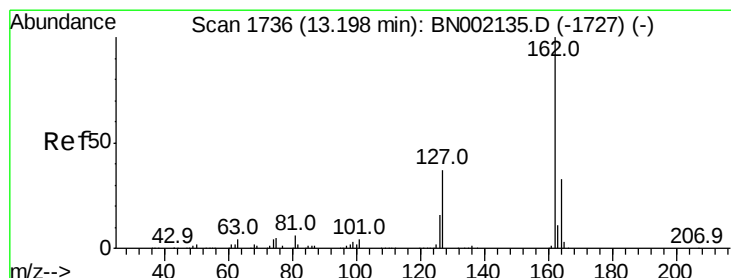
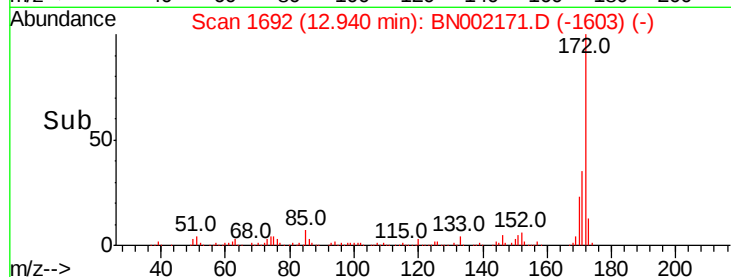
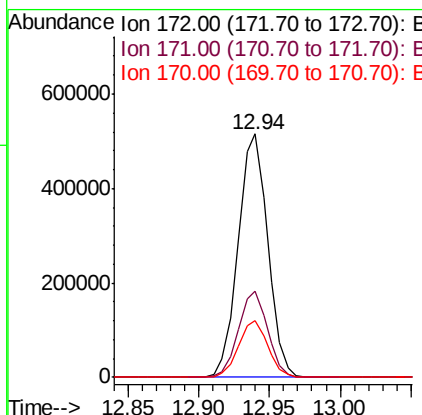
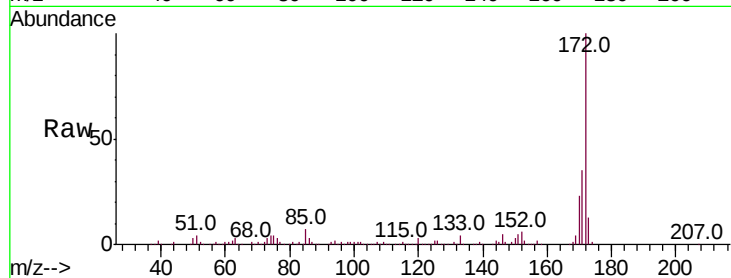




#44
2-Fluorobiphenyl
Concen: 20.622 ng
RT: 12.94 min Scan# 1692
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

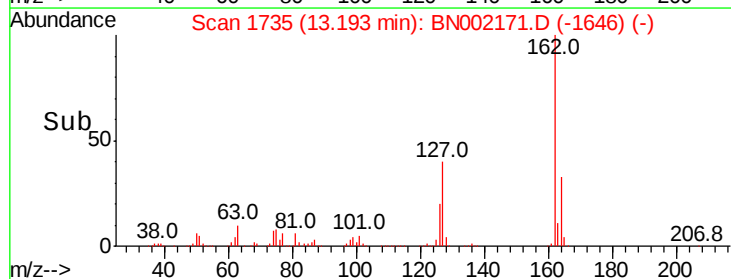
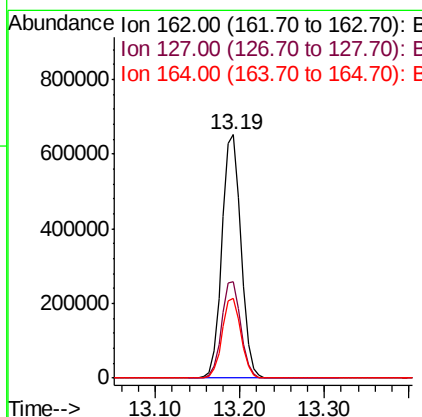
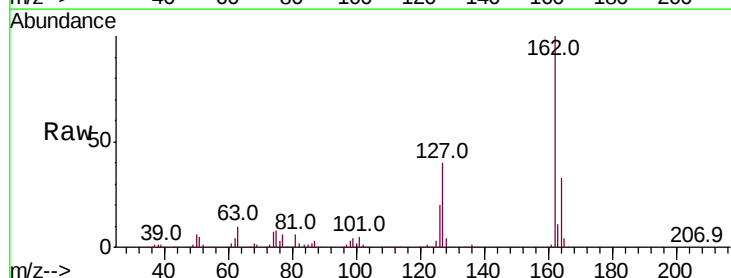
Instrument :
BNA_N
ClientSampleId :

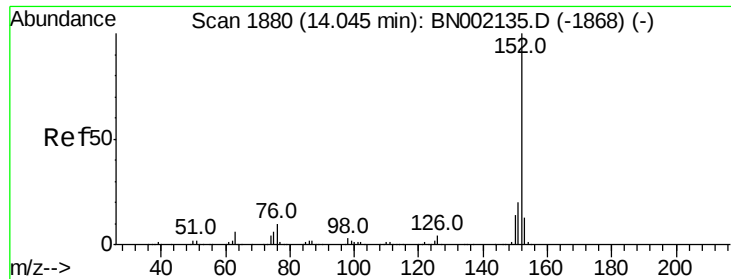
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.0	45.0
170	23.4	19.5	29.3



#46
2-Chloronaphthalene
Concen: 31.360 ng
RT: 13.19 min Scan# 1735
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.8	30.7	46.1
164	32.9	26.0	39.0





#48

Acenaphthylene

Concen: 21.308 ng

RT: 14.04 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

Instrument :

BNA_N

ClientSampleId :

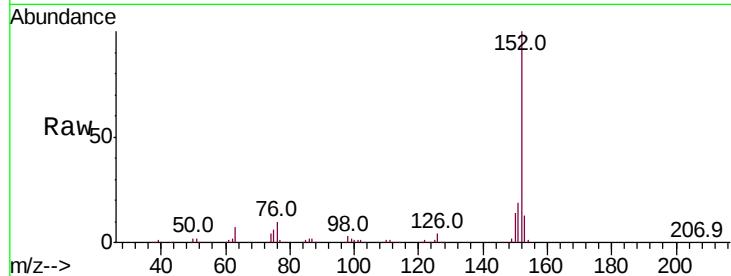
Tot Ion:152 Resp: 1047073

Ion Ratio Lower Upper

152 100

151 19.2 17.2 25.8

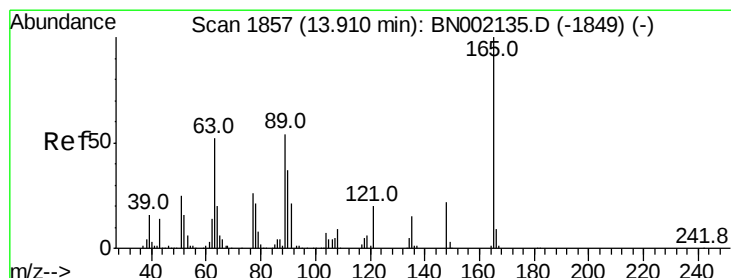
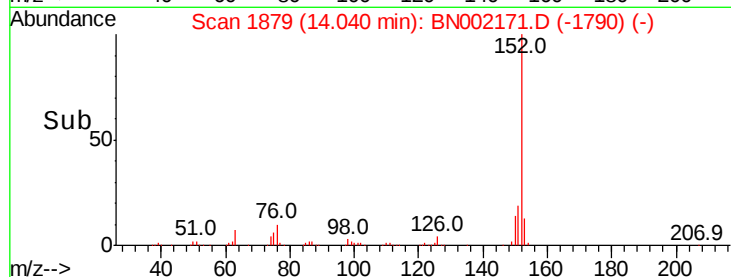
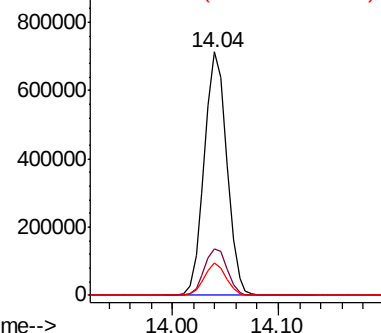
153 13.3 10.2 15.4



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



#50

2,6-Dinitrotoluene

Concen: 25.233 ng

RT: 13.90 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

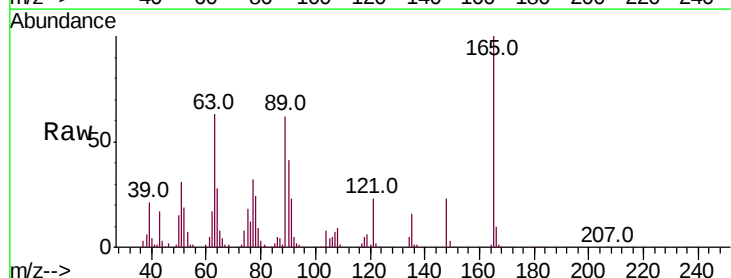
Tgt Ion:165 Resp: 222014

Ion Ratio Lower Upper

165 100

63 63.3 52.7 79.1

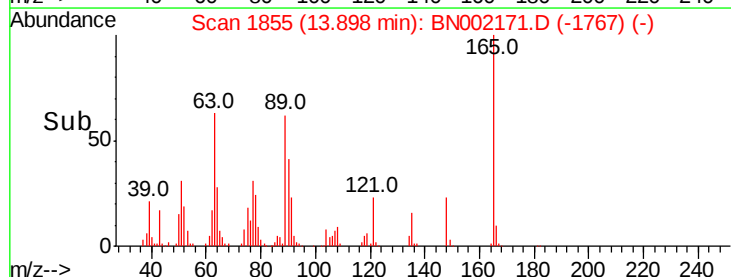
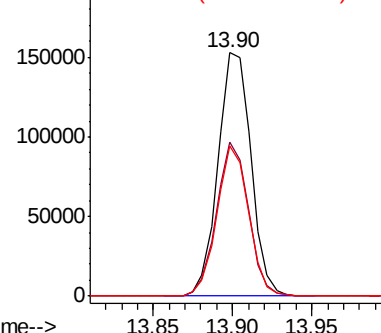
89 61.9 49.2 73.8

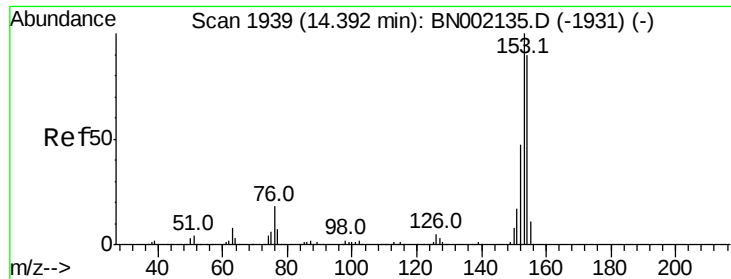


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC





#51

Acenaphthene

Concen: 10.406 ng

RT: 14.39 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

Instrument :

BNA_N

ClientSampleId :

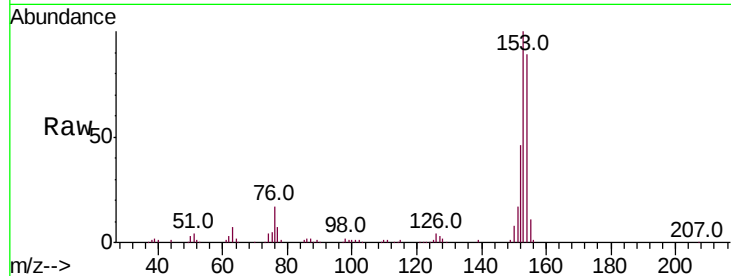
Tot Ion:154 Resp: 308022

Ion Ratio Lower Upper

154 100

153 112.2 90.4 135.6

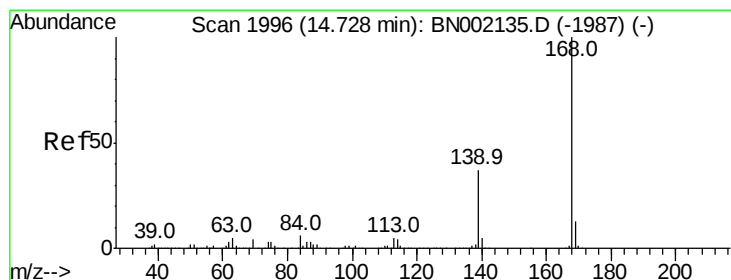
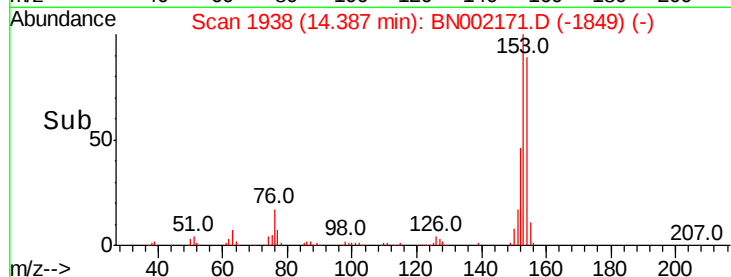
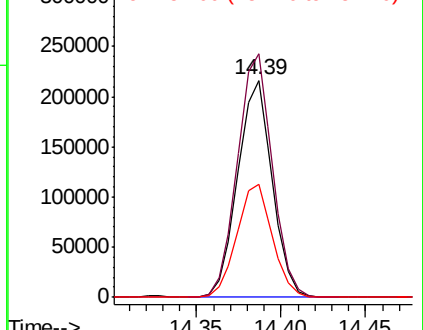
152 52.0 41.6 62.4



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



#54

Dibenzofuran

Concen: 22.134 ng

RT: 14.72 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

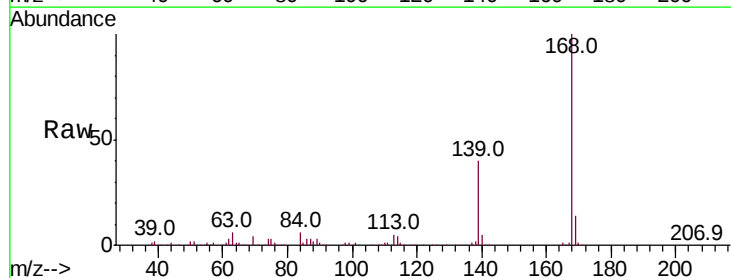
Tgt Ion:168 Resp: 1062257

Ion Ratio Lower Upper

168 100

139 39.7 28.6 43.0

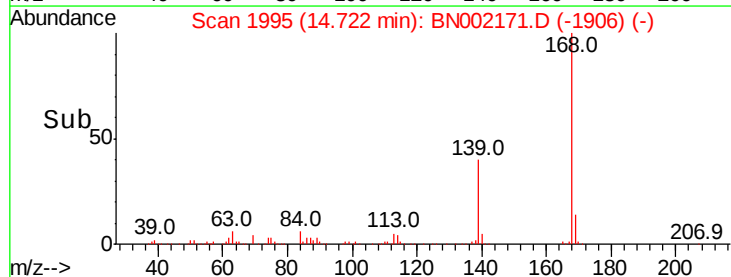
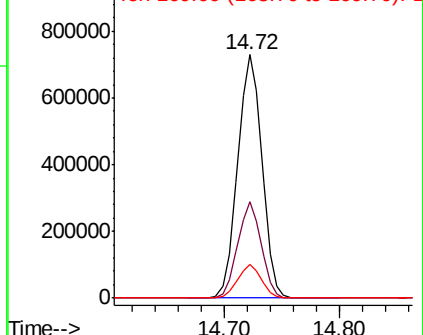
169 13.8 11.2 16.8

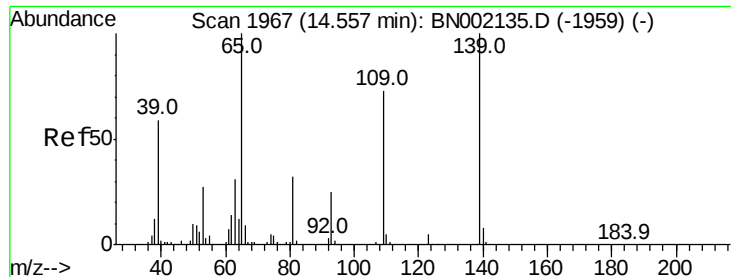


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 55.877 ng

RT: 14.72 min Scan# 1995

Delta R.T. 0.16 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

Instrument :

BNA_N

ClientSampleId :

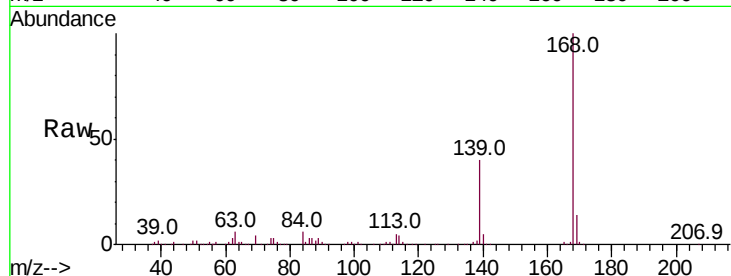
Tot Ion:139 Resp: 408956

Ion Ratio Lower Upper

139 100

109 0.8 62.2 102.2#

65 1.4 97.2 137.2#

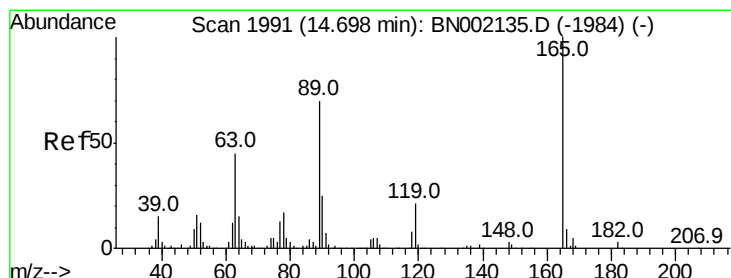
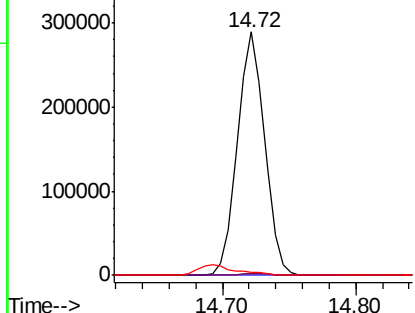
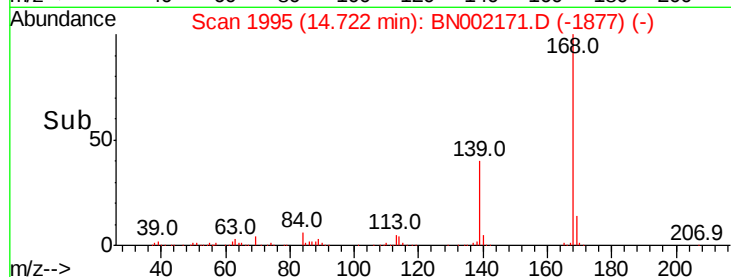


Abundance

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: 29.210 ng

RT: 14.69 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

Tgt Ion:165 Resp: 348796

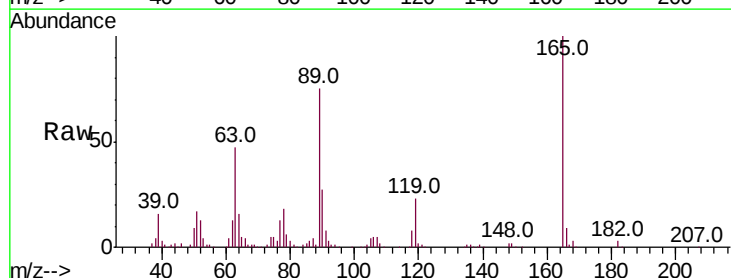
Ion Ratio Lower Upper

165 100

63 47.1 42.0 63.0

89 74.7 66.9 100.3

182 2.8 2.6 3.8



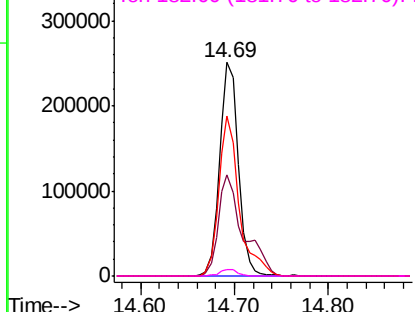
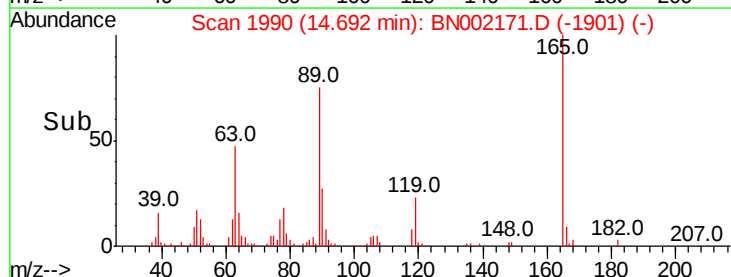
Abundance

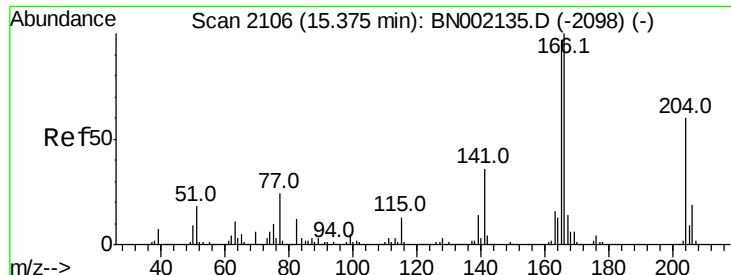
Ion 165.00 (164.70 to 165.70): E

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

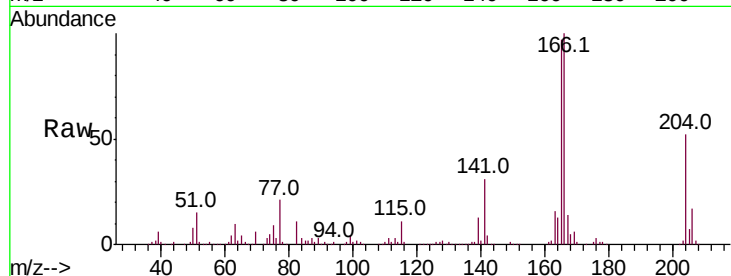




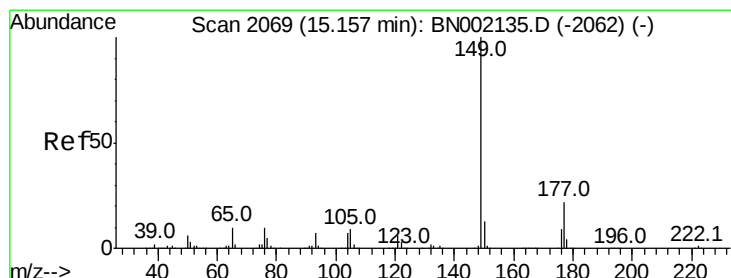
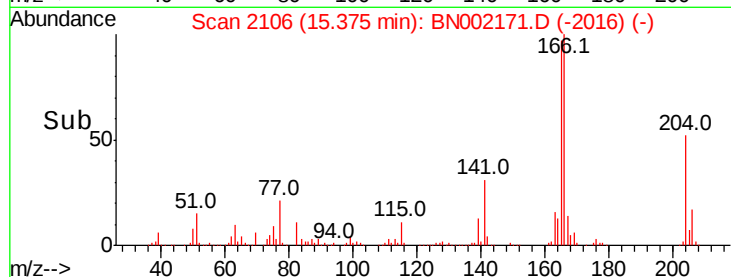
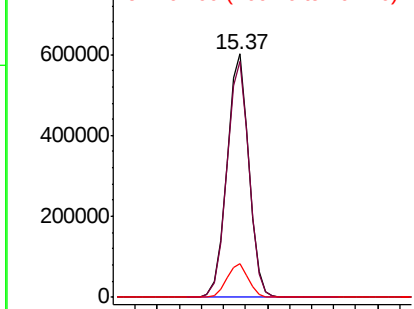
#57
 Fluorene
 Concen: 23.061 ng
 RT: 15.37 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: BN002171.D
 Acq: 26 Jul 2018 12:30

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:166 Resp: 834174
 Ion Ratio Lower Upper
 166 100
 165 96.8 80.6 121.0
 167 13.7 10.4 15.6

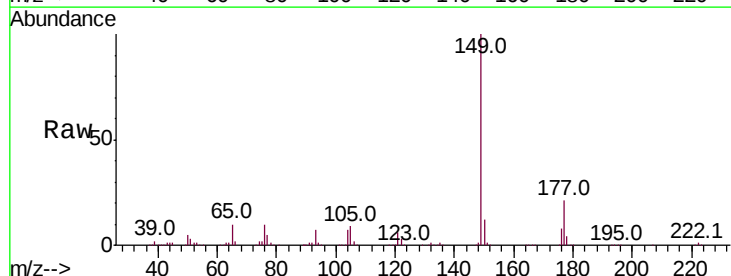


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

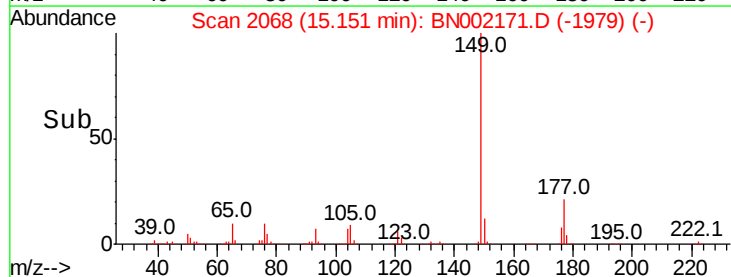
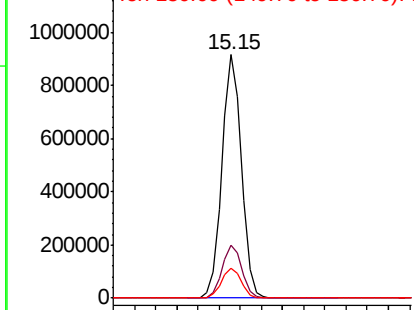


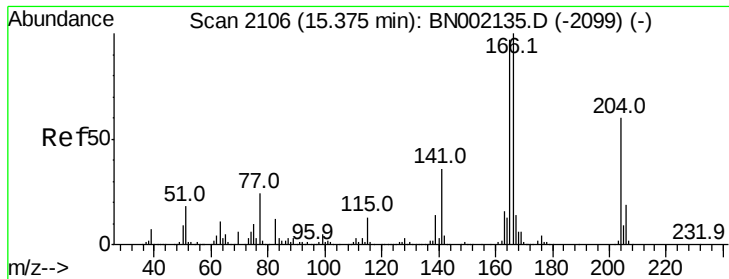
#59
 Diethylphthalate
 Concen: 29.078 ng
 RT: 15.15 min Scan# 2068
 Delta R.T. -0.01 min
 Lab File: BN002171.D
 Acq: 26 Jul 2018 12:30

Tgt Ion:149 Resp: 1172112
 Ion Ratio Lower Upper
 149 100
 177 21.5 18.5 27.7
 150 12.5 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

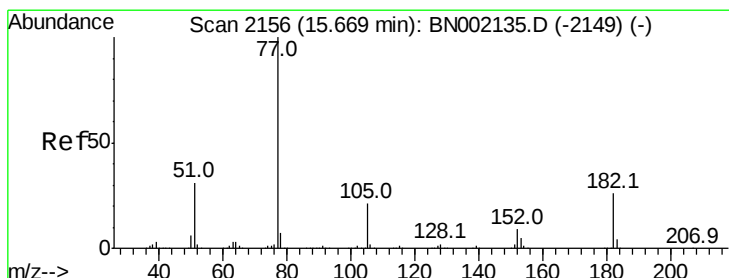
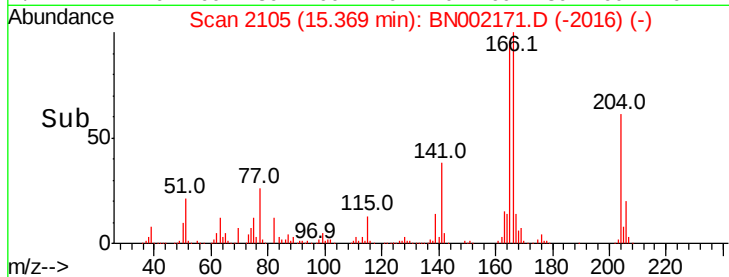
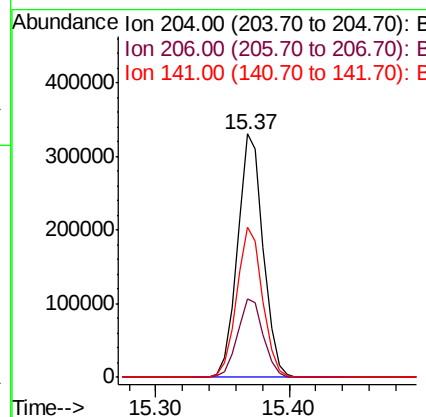
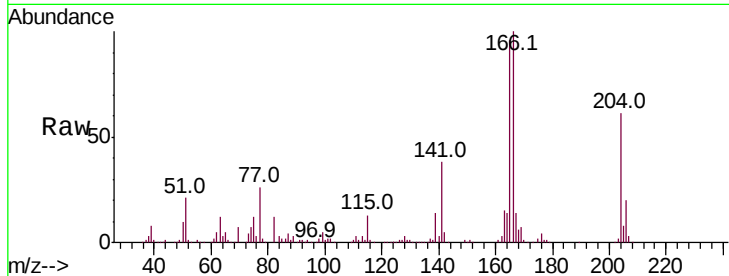




#60
 4-Chlorophenyl-phenylether
 Concen: 21.981 ng
 RT: 15.37 min Scan# 2105
 Delta R.T. -0.01 min
 Lab File: BN002171.D
 Acq: 26 Jul 2018 12:30

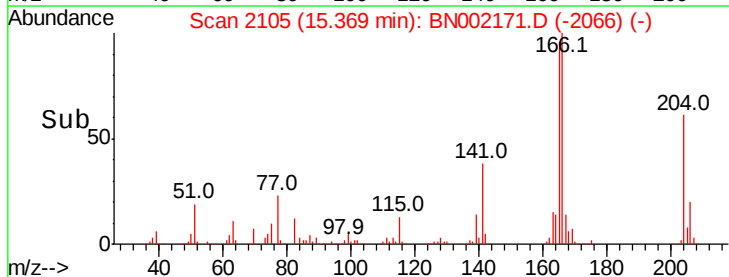
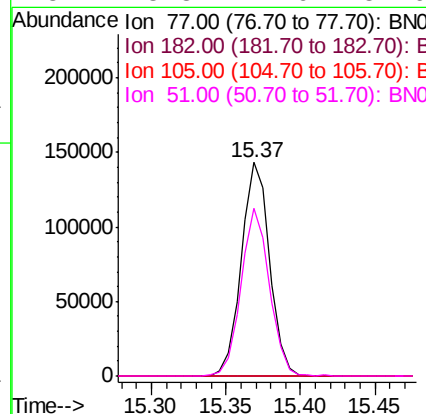
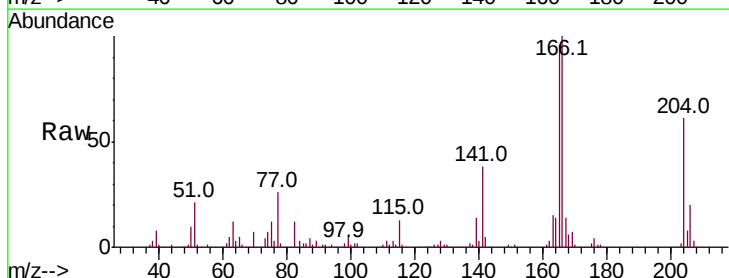
Instrument :
 BNA_N
 ClientSampled :

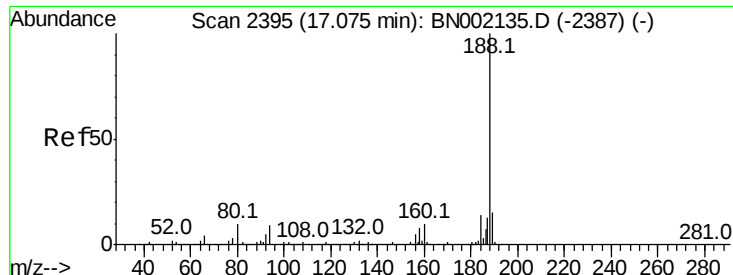
Tot Ion:	204	Resp:	439966
Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.2	39.2
141	61.7	45.8	68.6



#62
 Azobenzene
 Concen: 4.852 ng
 RT: 15.37 min Scan# 2105
 Delta R.T. -0.30 min
 Lab File: BN002171.D
 Acq: 26 Jul 2018 12:30

Tgt Ion:	77	Resp:	187669
Ion	Ratio	Lower	Upper
77	100		
182	0.0	7.4	47.4#
105	0.0	0.3	40.3#
51	78.8	11.6	51.6#

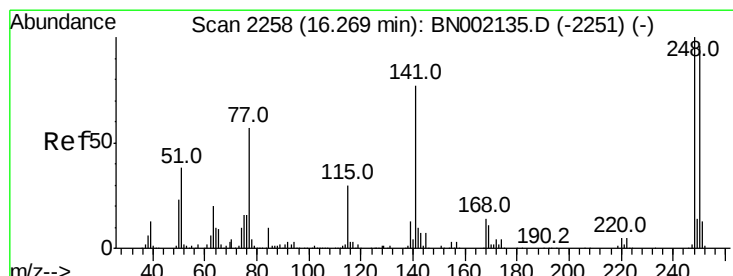
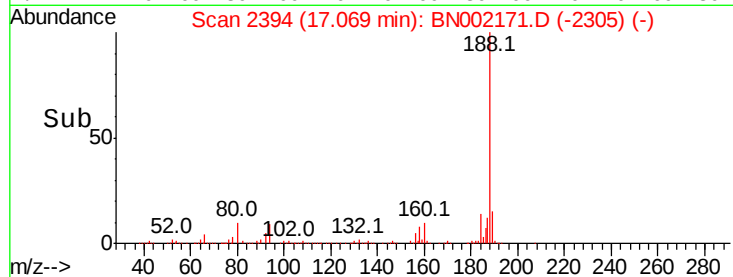
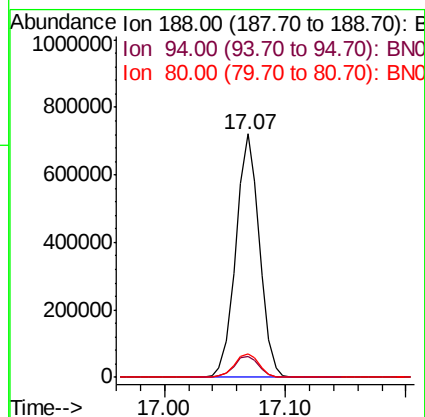
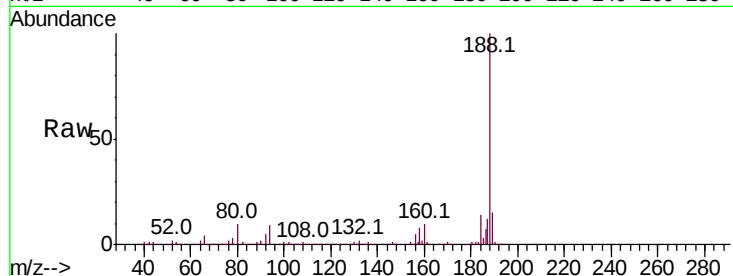




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.07 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

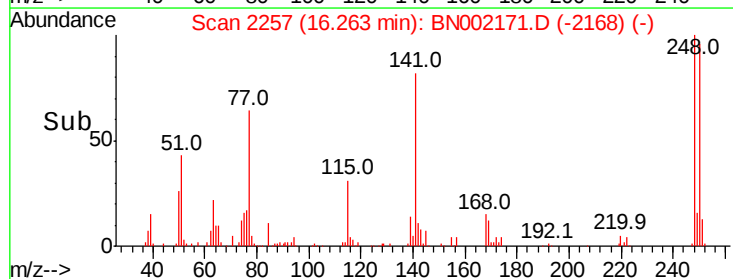
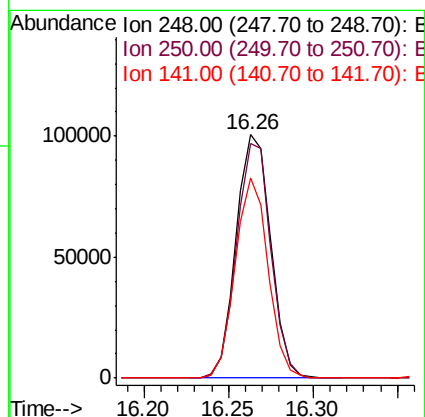
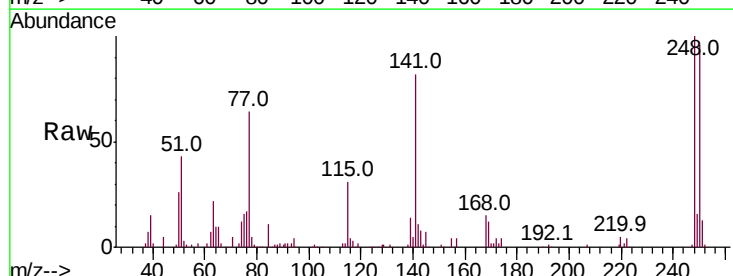
Instrument :
BNA_N
ClientSampled :

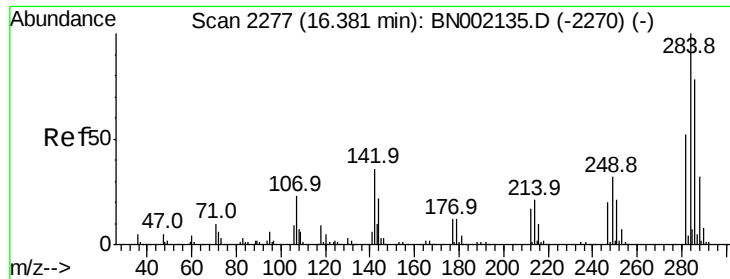
Tot Ion:188 Resp: 981695
Ion Ratio Lower Upper
188 100
94 8.6 6.9 10.3
80 9.8 7.7 11.5



#66
4-Bromophenyl-phenylether
Concen: 12.475 ng
RT: 16.26 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

Tgt Ion:248 Resp: 143372
Ion Ratio Lower Upper
248 100
250 96.3 77.1 115.7
141 82.3 50.8 76.2#

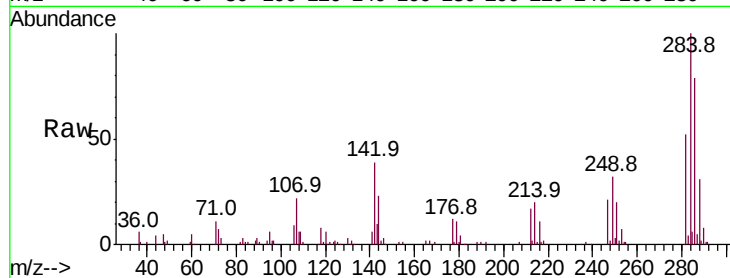




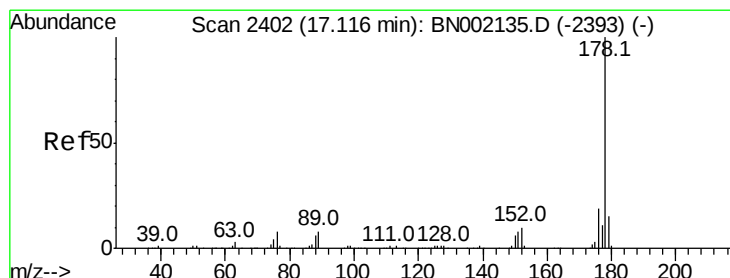
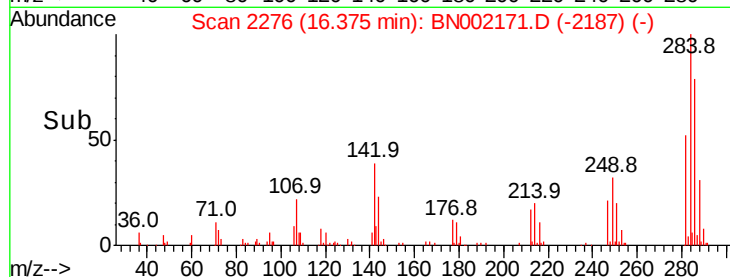
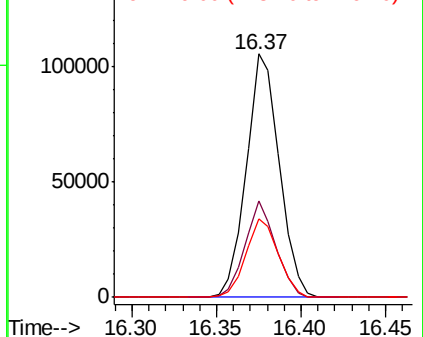
#67
Hexachlorobenzene
Concen: 11.271 ng
RT: 16.37 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

Instrument :
BNA_N
ClientSampled :

Tot Ion:284 Resp: 143273
Ion Ratio Lower Upper
284 100
142 39.3 26.8 40.2
249 32.1 26.3 39.5

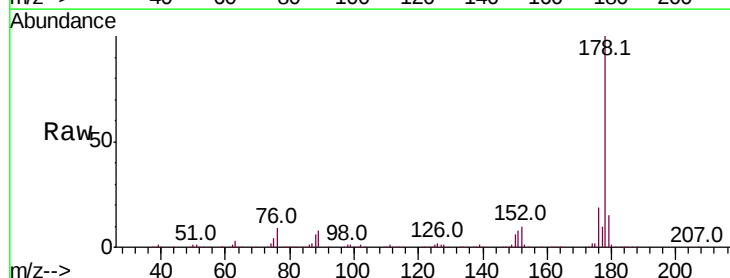


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

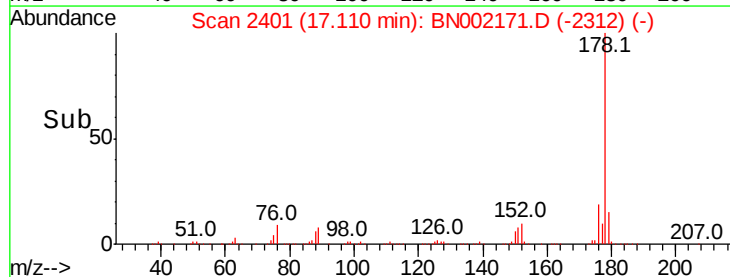
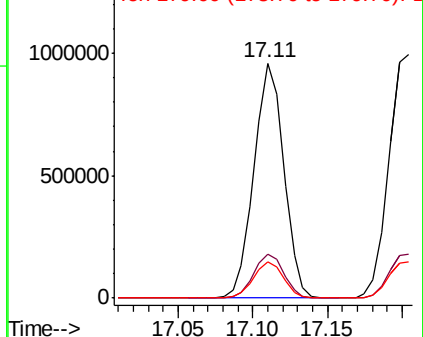


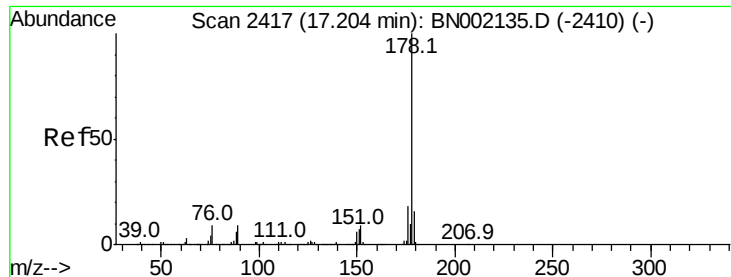
#70
Phenanthrene
Concen: 24.682 ng
RT: 17.11 min Scan# 2401
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

Tgt Ion:178 Resp: 1322605
Ion Ratio Lower Upper
178 100
176 18.6 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



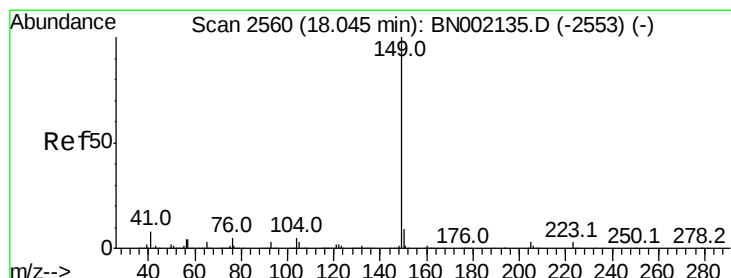
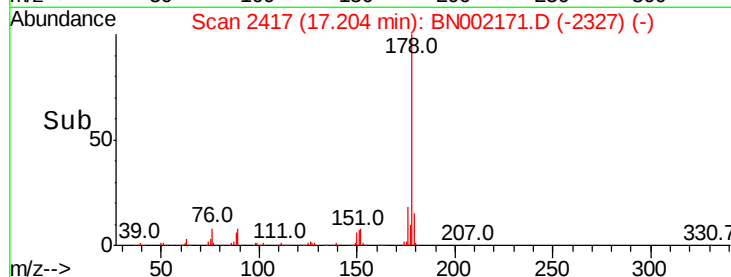
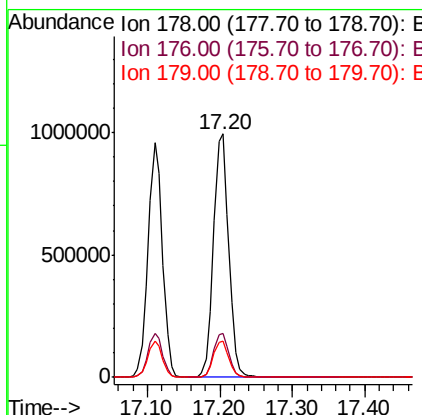
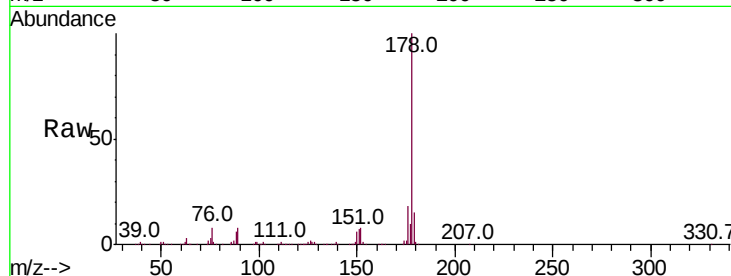


#71
 Anthracene
 Concen: 27.332 ng
 RT: 17.20 min Scan# 2417
 Delta R.T. 0.00 min
 Lab File: BN002171.D
 Acq: 26 Jul 2018 12:30

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:178 Resp: 1449615

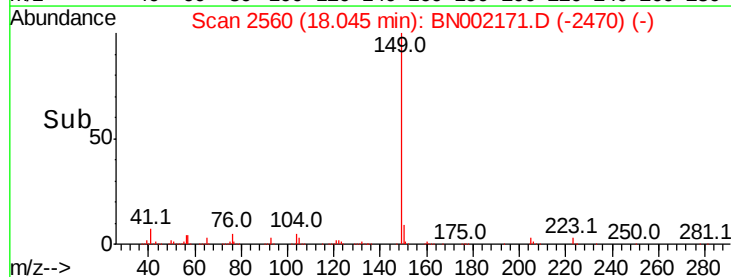
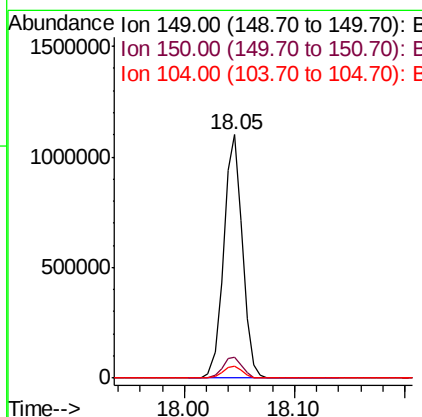
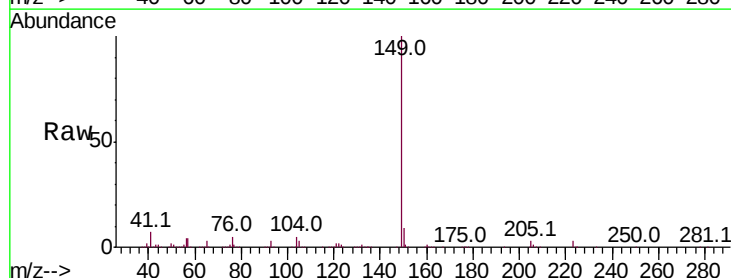
Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.0	24.0
179	14.9	12.5	18.7

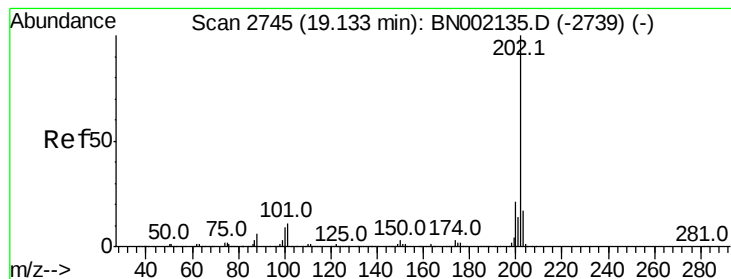


#73
 Di-n-butylphthalate
 Concen: 20.914 ng
 RT: 18.05 min Scan# 2560
 Delta R.T. 0.00 min
 Lab File: BN002171.D
 Acq: 26 Jul 2018 12:30

Tgt Ion:149 Resp: 1298262

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.8	11.6
104	4.9	3.9	5.9





#74

Fluoranthene

Concen: 18.218 ng

RT: 19.13 min Scan# 2745

Delta R.T. 0.00 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

Instrument :

BNA_N

ClientSampled :

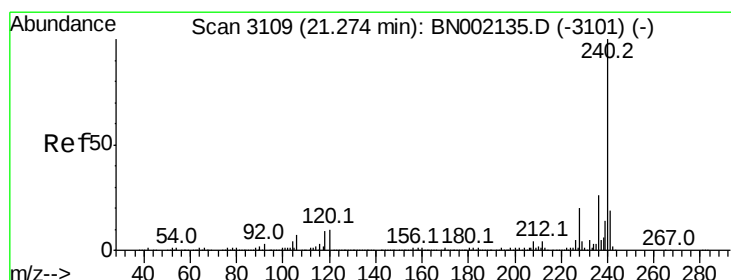
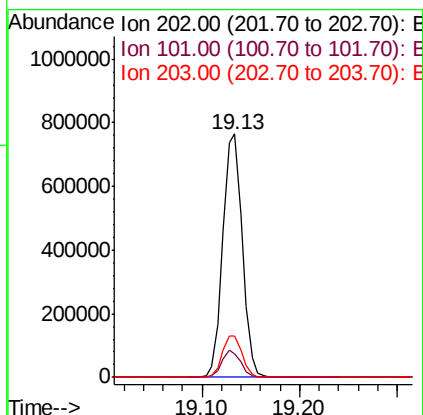
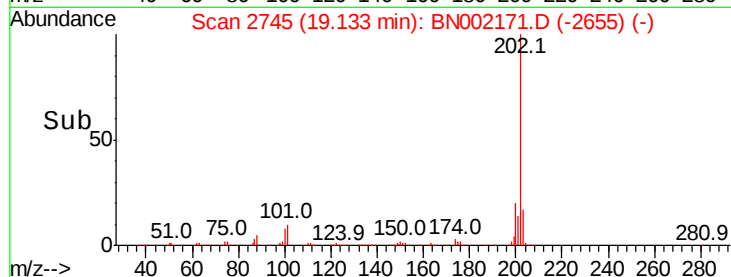
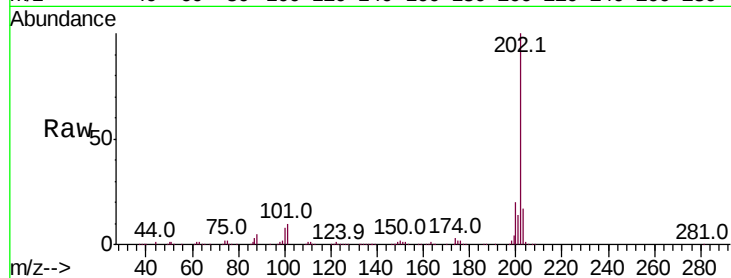
Tot Ion:202 Resp: 1059892

Ion Ratio Lower Upper

202 100

101 9.9 0.0 28.9

203 17.0 0.0 37.5



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.26 min Scan# 3107

Delta R.T. -0.01 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

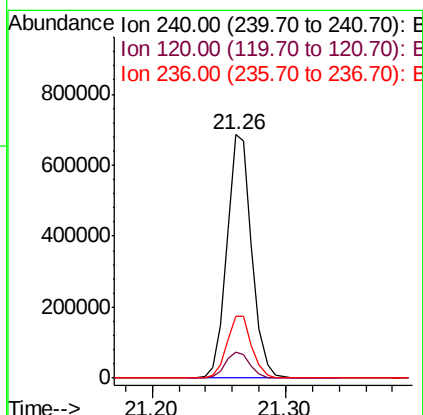
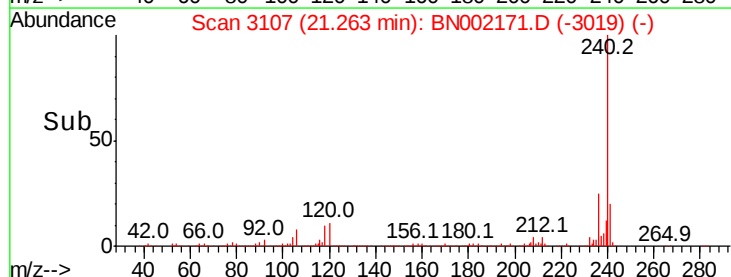
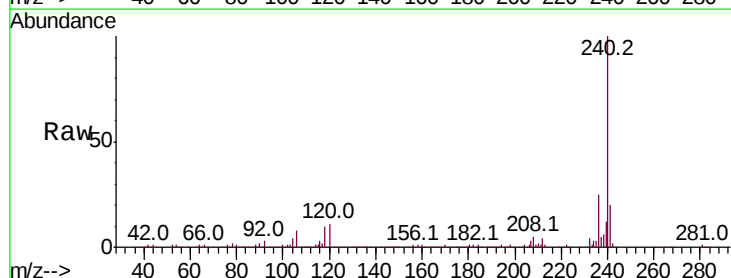
Tgt Ion:240 Resp: 891334

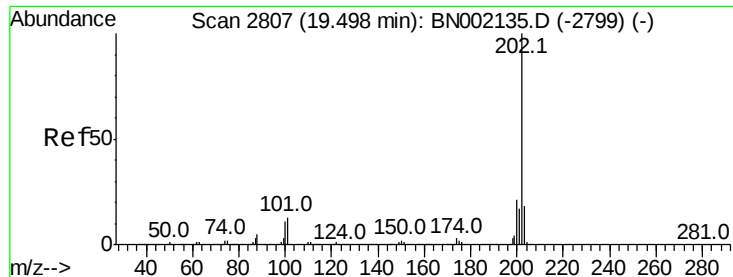
Ion Ratio Lower Upper

240 100

120 10.8 6.8 10.2#

236 25.2 20.9 31.3

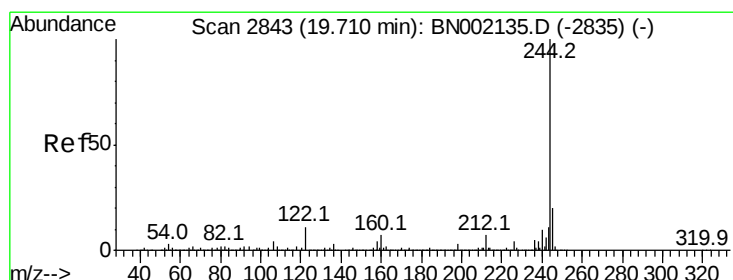
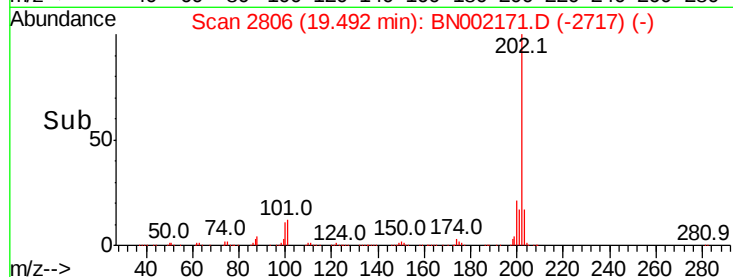
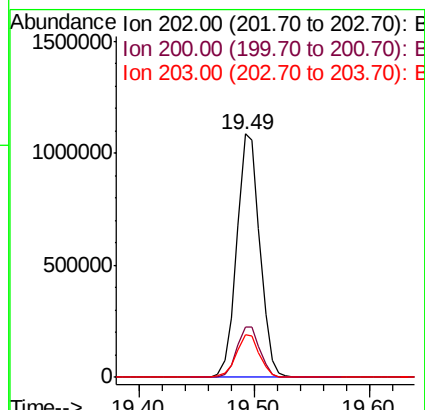
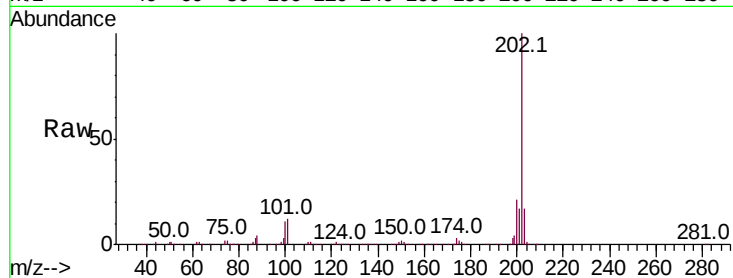




#77
Pvrene
Concen: 24.279 ng
RT: 19.49 min Scan# 2806
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

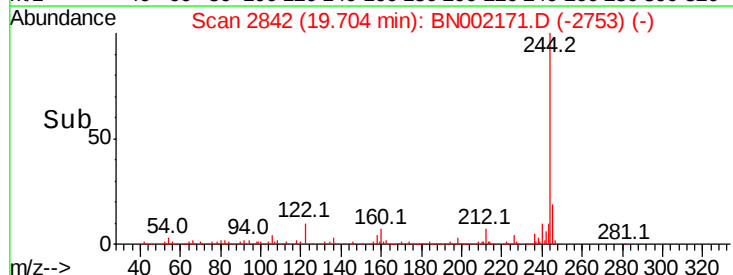
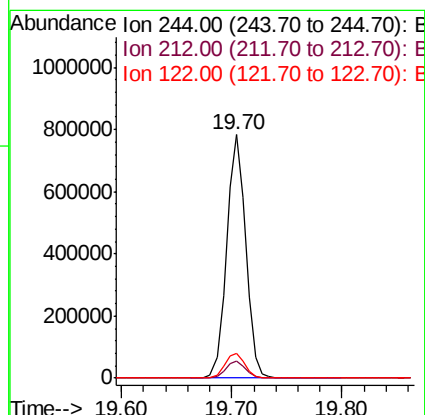
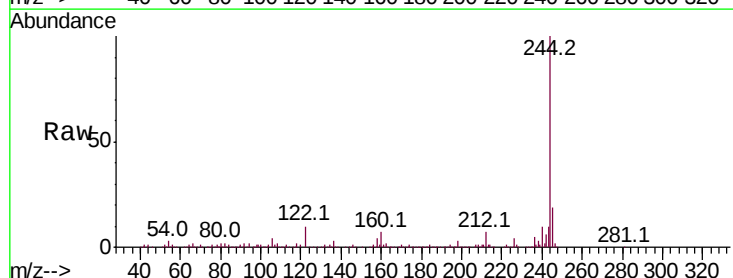
Instrument :
BNA_N
ClientSampled :

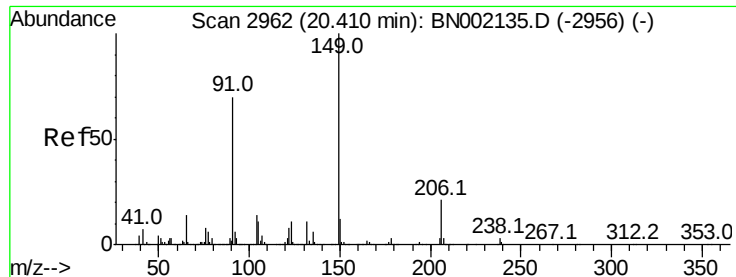
Tot Ion:202 Resp: 1492414
Ion Ratio Lower Upper
202 100
200 20.9 16.9 25.3
203 17.3 13.9 20.9



#78
Terphenyl-d14
Concen: 22.148 ng
RT: 19.70 min Scan# 2842
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

Tgt Ion:244 Resp: 946511
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 10.2 7.0 10.4

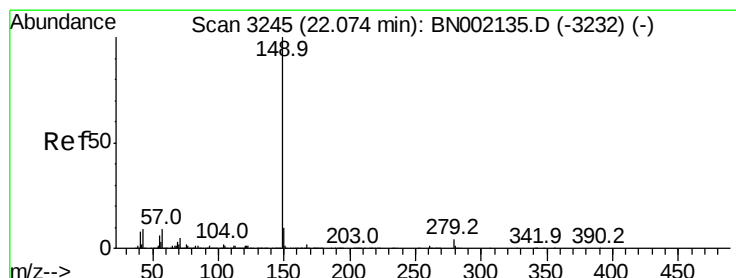
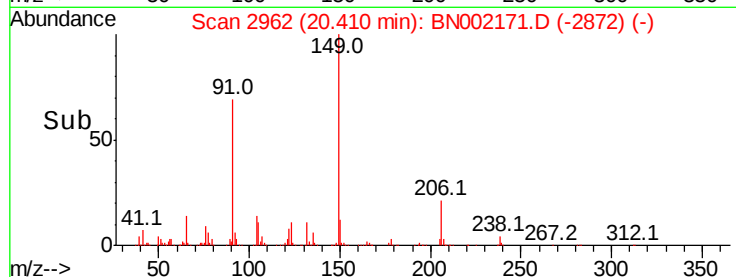
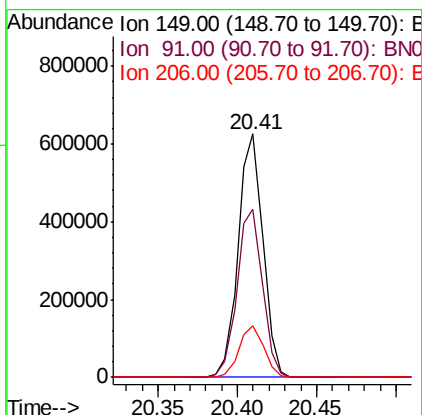
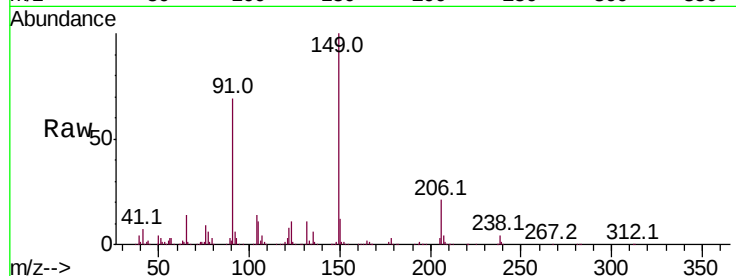




#79
Butylbenzylphthalate
Concen: 25.300 ng
RT: 20.41 min Scan# 2962
Delta R.T. 0.00 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

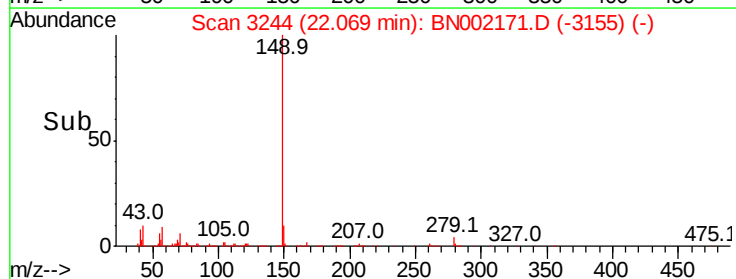
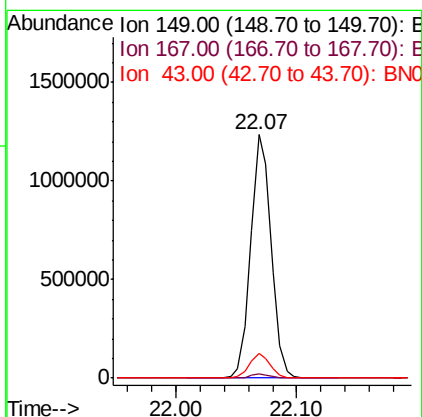
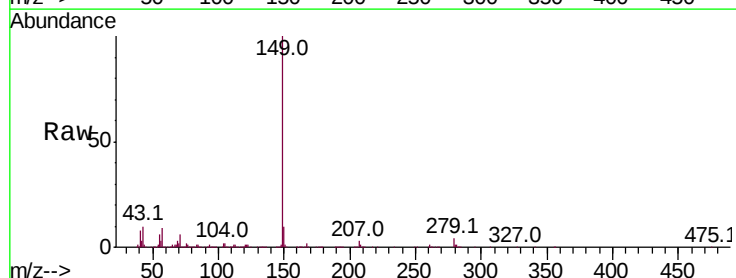
Instrument :
BNA_N
ClientSampleId :

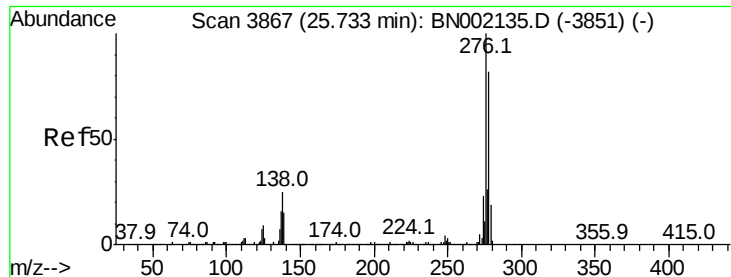
Tot Ion	Ratio	Lower	Upper
149	100		
91	69.2	62.2	93.2
206	21.4	18.6	27.8



#84
Di-n-octyl phthalate
Concen: 24.711 ng
RT: 22.07 min Scan# 3244
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

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: 2.891 ng

RT: 25.73 min Scan# 3866

Delta R.T. -0.01 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

Instrument :

BNA_N

ClientSampleId :

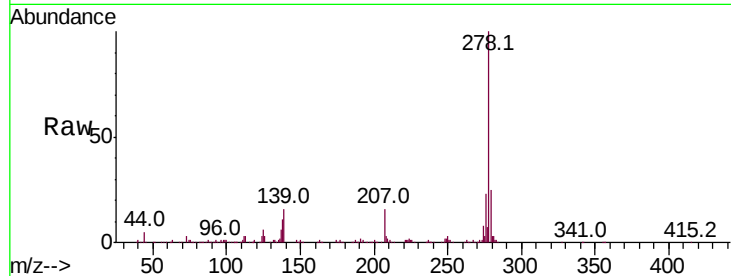
Tot Ion:276 Resp: 145815

Ion Ratio Lower Upper

276 100

138 49.5 16.0 24.0#

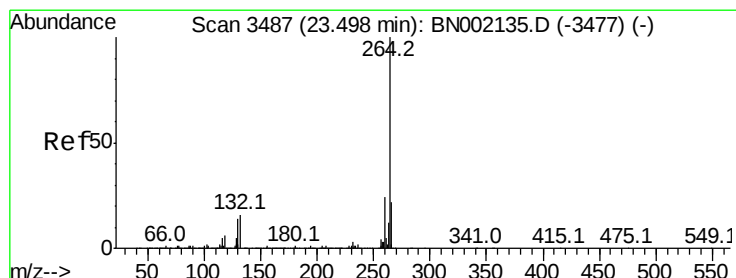
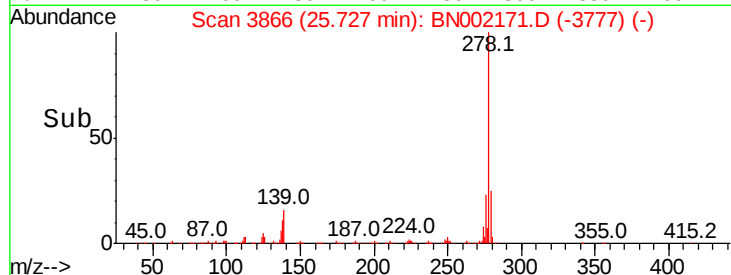
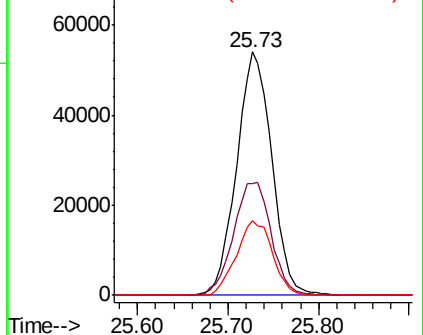
277 31.2 20.0 30.0#



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: BN002171.D

Acq: 26 Jul 2018 12:30

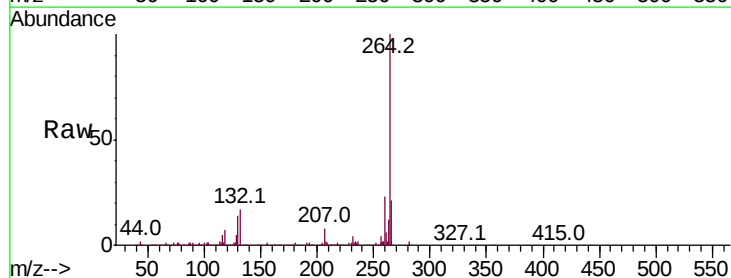
Tgt Ion:264 Resp: 894759

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.0

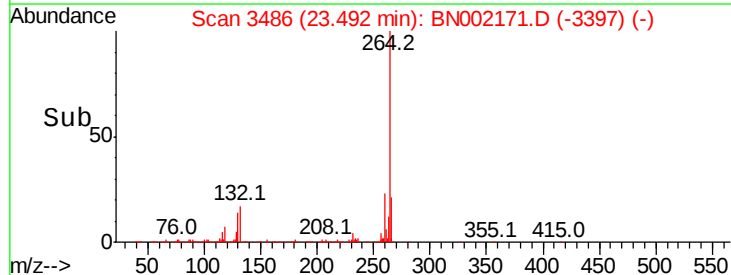
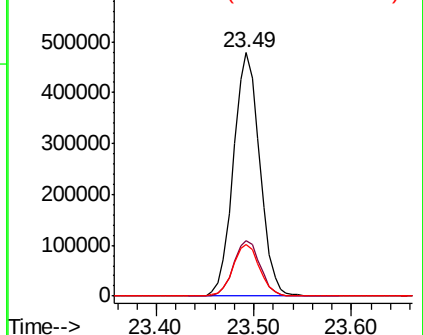
265 21.4 17.7 26.5

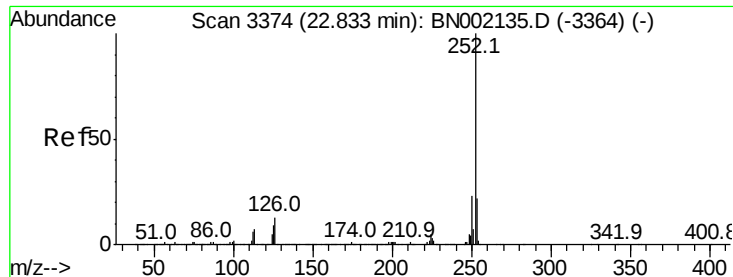


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 23.032 ng

RT: 22.83 min Scan# 3373

Delta R.T. -0.01 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

Instrument :

BNA_N

ClientSampled :

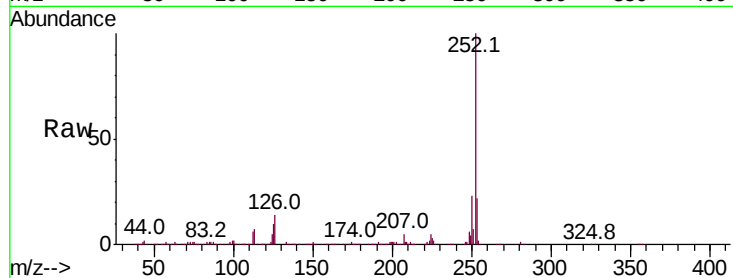
Tot Ion:252 Resp: 1216263

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.4

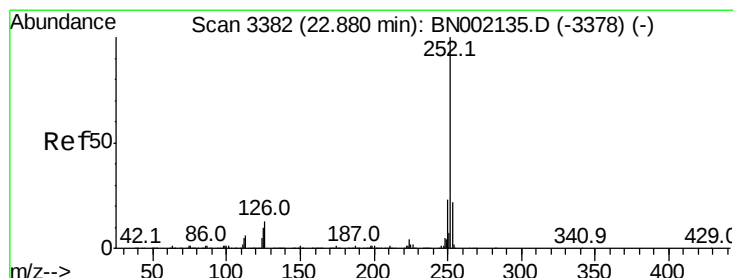
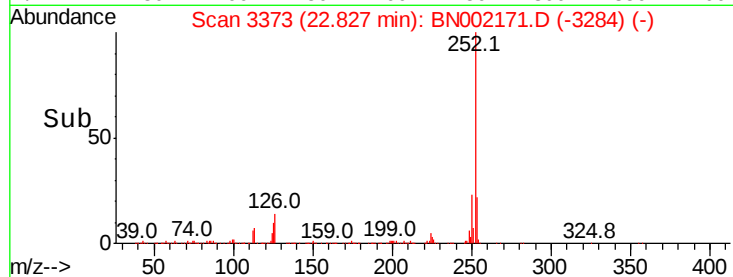
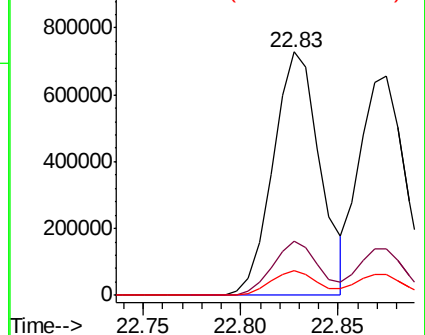
125 10.2 7.2 10.8



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: 20.442 ng

RT: 22.87 min Scan# 3381

Delta R.T. -0.01 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

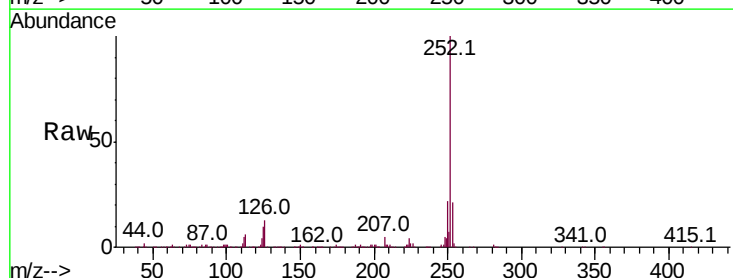
Tgt Ion:252 Resp: 1063096

Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.2

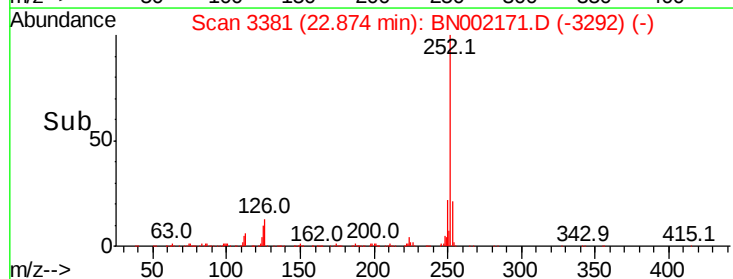
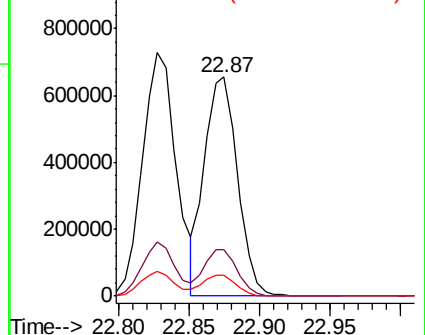
125 9.7 6.6 9.8

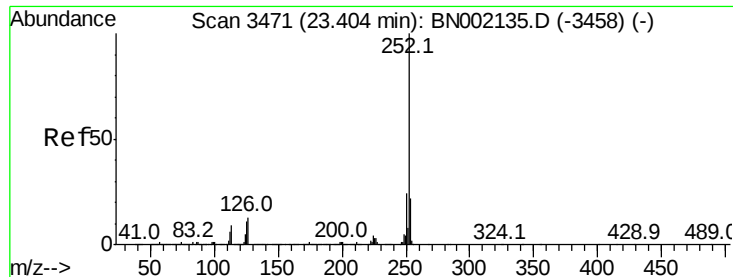


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 17.066 ng

RT: 23.40 min Scan# 3470

Delta R.T. -0.01 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

Instrument :

BNA_N

ClientSampleId :

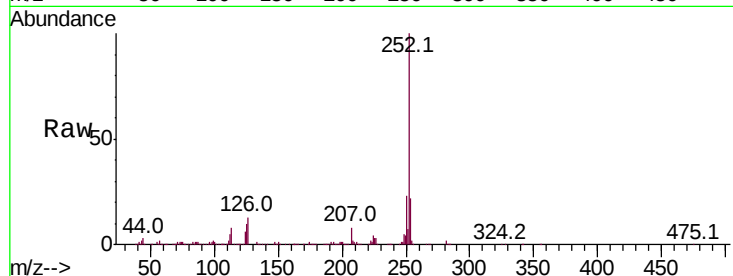
Tot Ion:252 Resp: 841655

Ion Ratio Lower Upper

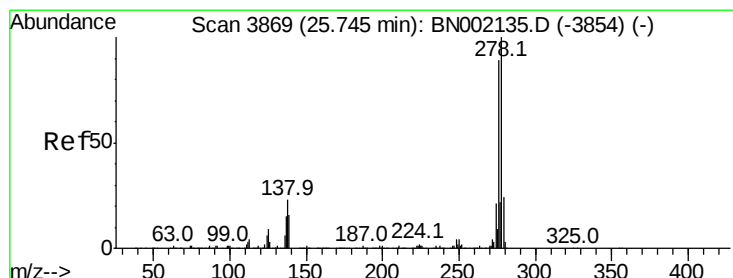
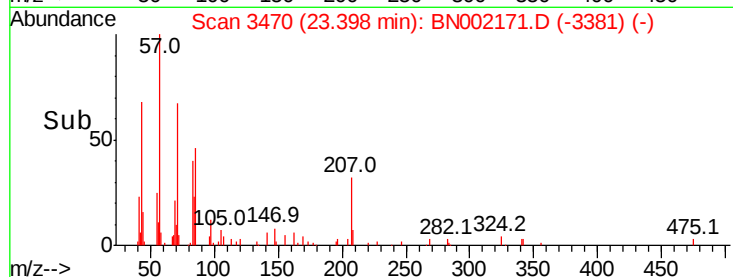
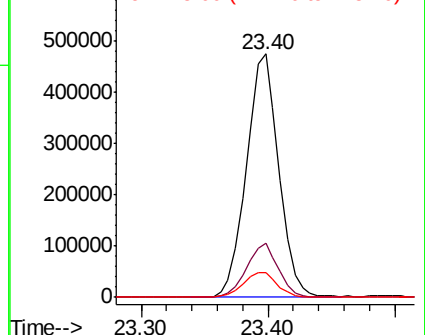
252 100

253 22.4 18.3 27.5

125 10.3 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: 13.715 ng

RT: 25.73 min Scan# 3866

Delta R.T. -0.02 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

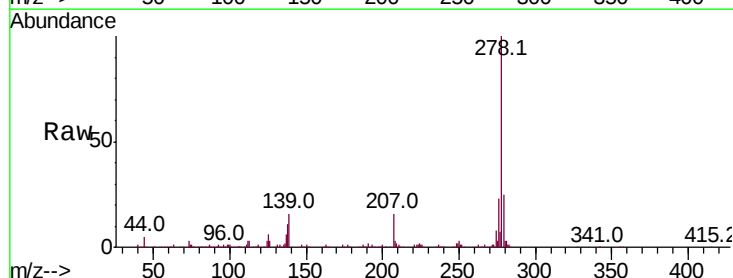
Tgt Ion:278 Resp: 635046

Ion Ratio Lower Upper

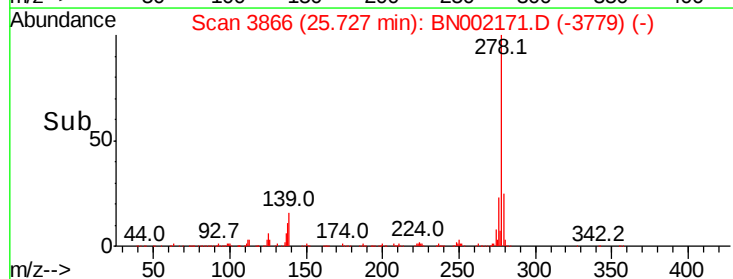
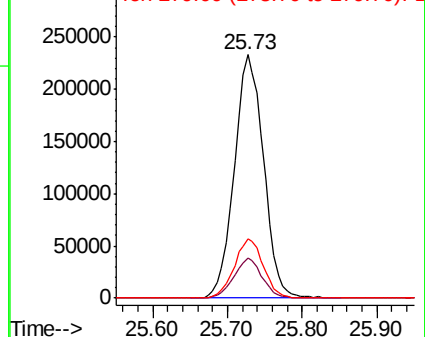
278 100

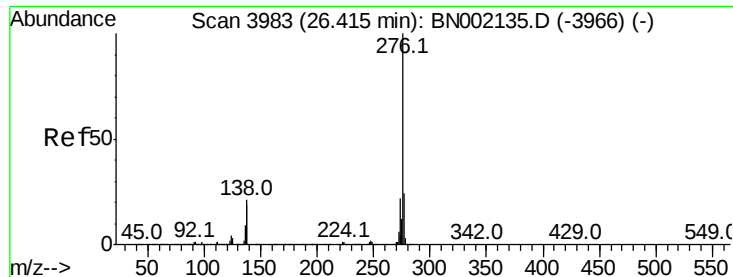
139 16.5 9.8 14.6#

279 24.6 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





#91

Benzo(a,h,i)perylene

Concen: 26.853 ng

RT: 26.40 min Scan# 3980

Delta R.T. -0.02 min

Lab File: BN002171.D

Acq: 26 Jul 2018 12:30

Instrument :

BNA_N

ClientSampleId :

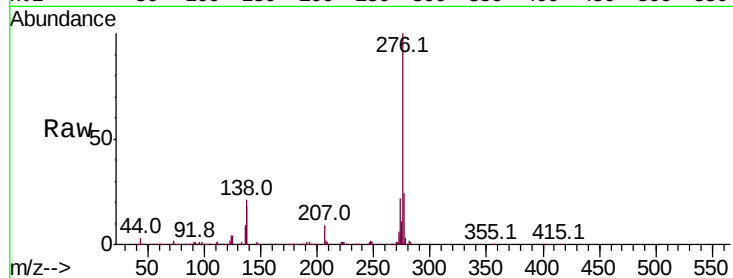
Tot Ion:276 Resp: 1201563

Ion Ratio Lower Upper

276 100

277 23.9 18.3 27.5

138 20.7 13.9 20.9



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

