

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 :
 1536DL

Quant Time: Jul 27 01:44:25 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
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
24) Nitrobenzene	8.88	77	488238	27.580	ng	95
31) Naphthalene	10.51	128	1536572	34.756	ng	97
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
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
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
87) Benzo(b)fluoranthene	22.83	252	1216263	23.032	ng	98
88) Benzo(k)fluoranthene	22.87	252	1063096	20.442	ng	98
89) Benzo(a)pyrene	23.40	252	841655	17.066	ng	98
90) Dibenzo(a,h)anthracene	25.73	278	635046	13.715	ng	# 94
91) Benzo(g,h,i)perylene	26.40	276	1201563	26.853	ng	96

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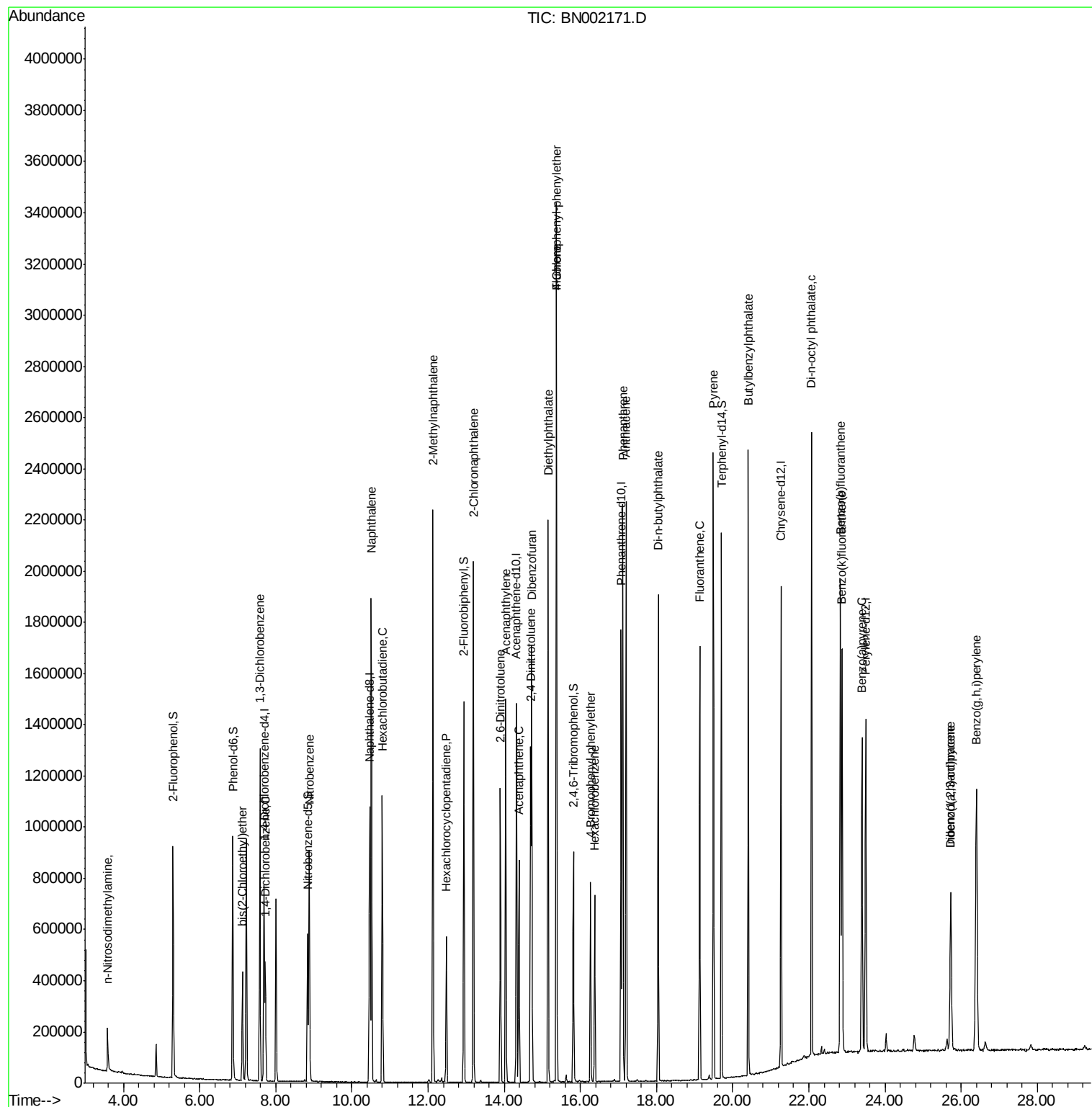
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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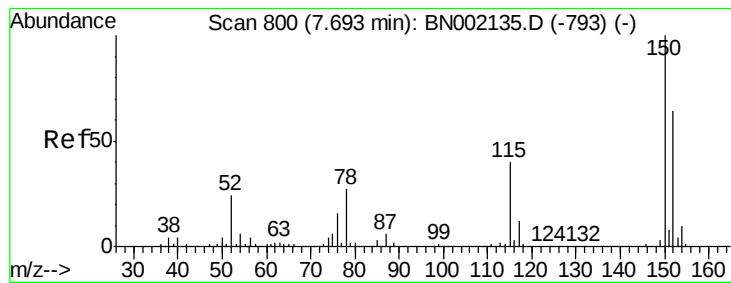
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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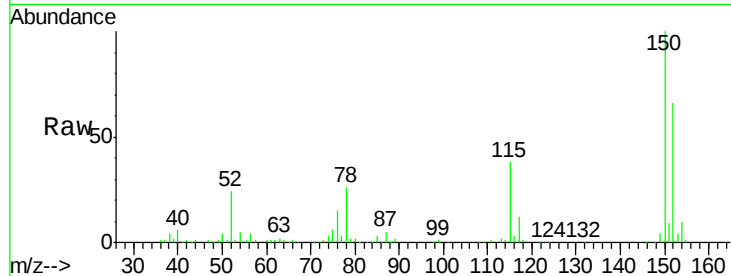


#1

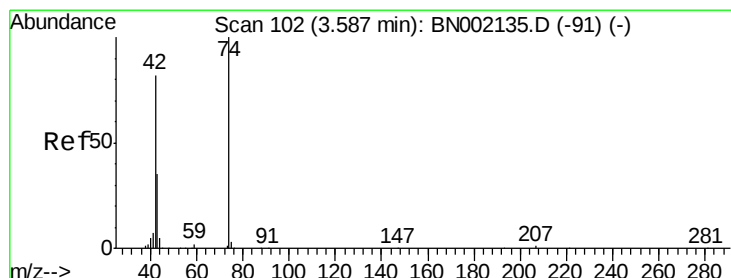
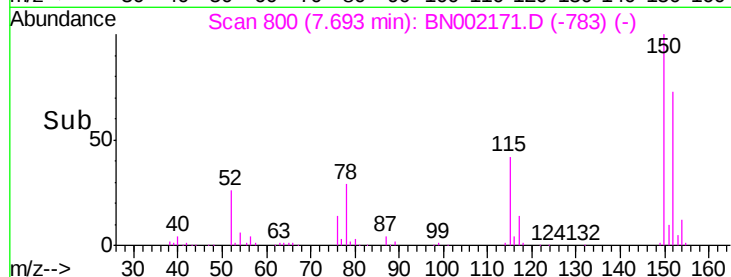
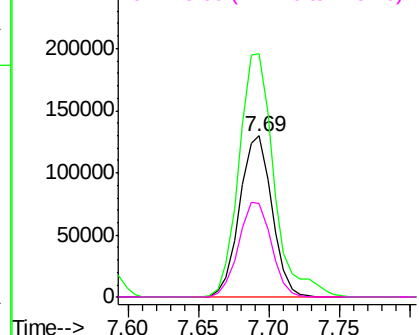
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 800
Delta R.T. 0.00 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

Instrument :
BNA_N
ClientSampleId :
1536DL

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



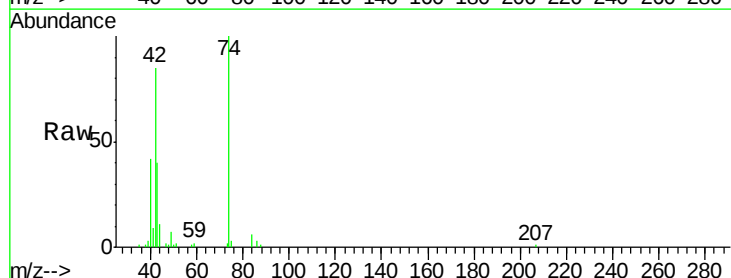
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



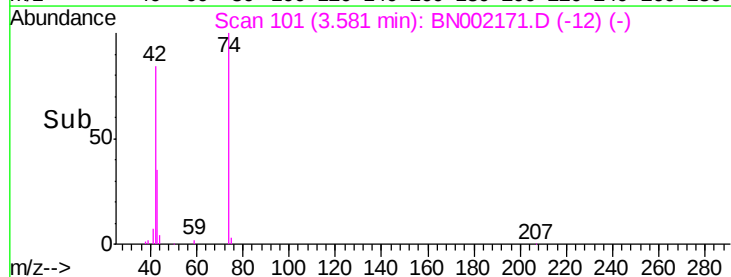
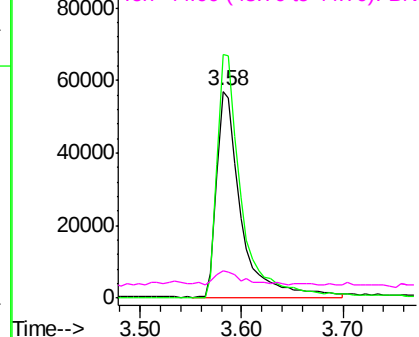
#4

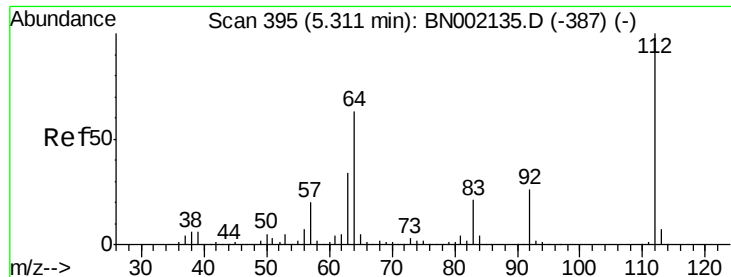
n-Nitrosodimethylamine
Concen: 16.139 ng
RT: 3.58 min Scan# 101
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

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 :

1536DL

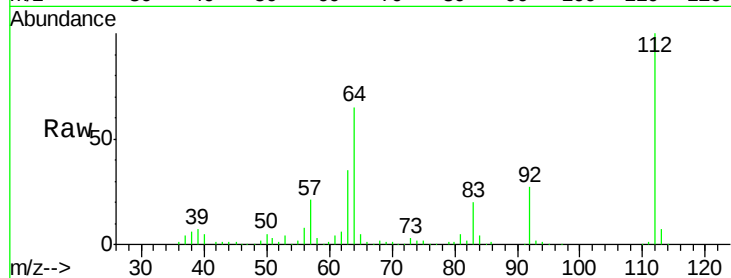
Tgt Ion: 112 Resp: 364979

Ion Ratio Lower Upper

112 100

64 65.0 56.3 84.5

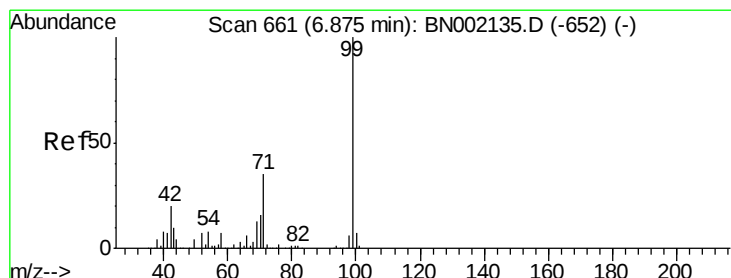
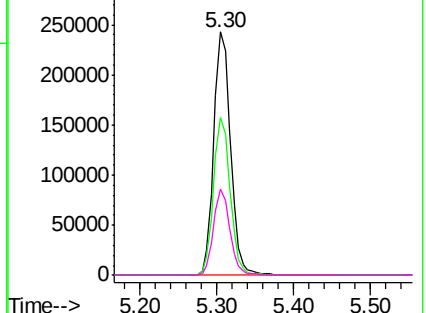
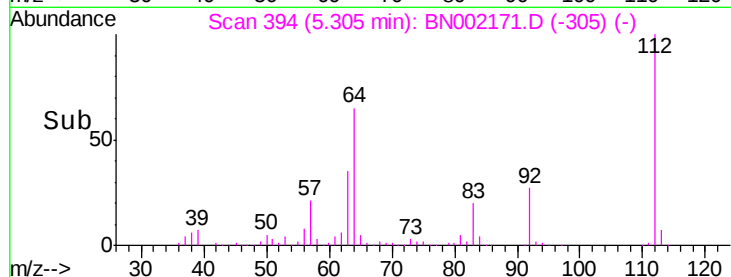
63 35.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO



#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

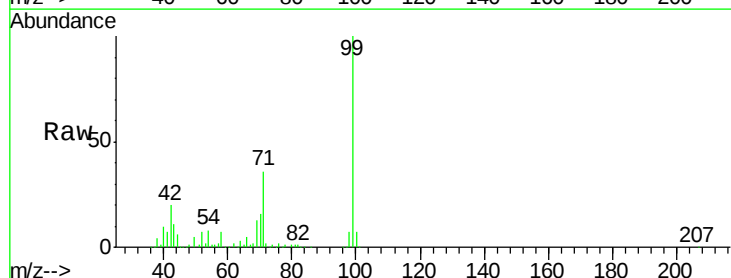
Tgt Ion: 99 Resp: 511388

Ion Ratio Lower Upper

99 100

42 20.0 14.1 21.1

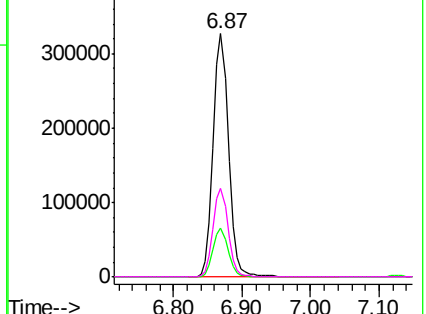
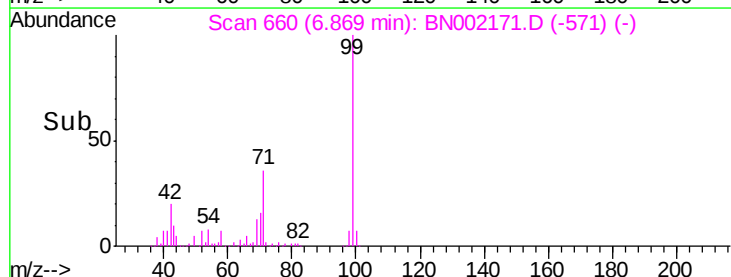
71 36.5 26.1 39.1

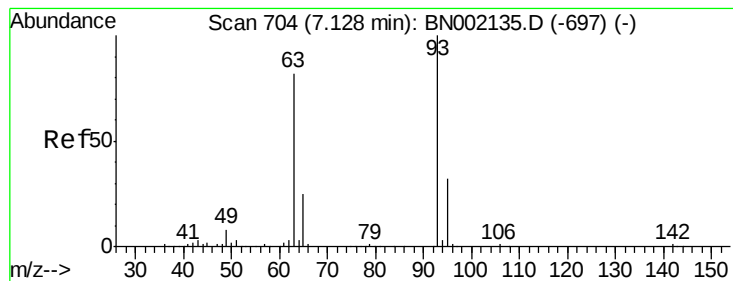


Abundance Ion 99.00 (98.70 to 99.70): BNO

Ion 42.00 (41.70 to 42.70): BNO

Ion 71.00 (70.70 to 71.70): BNO





#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

Instrument :

BNA_N

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1536DL

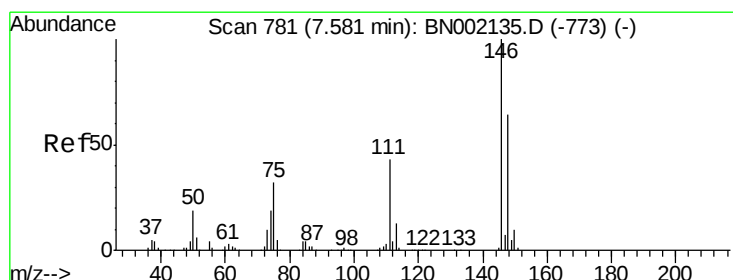
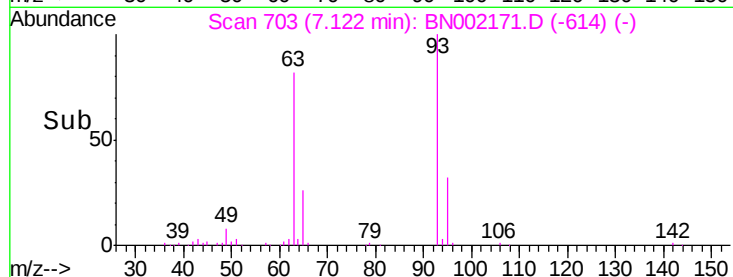
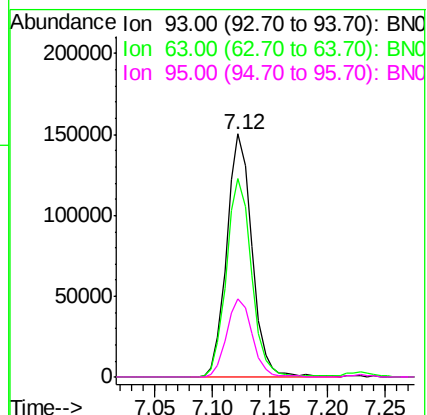
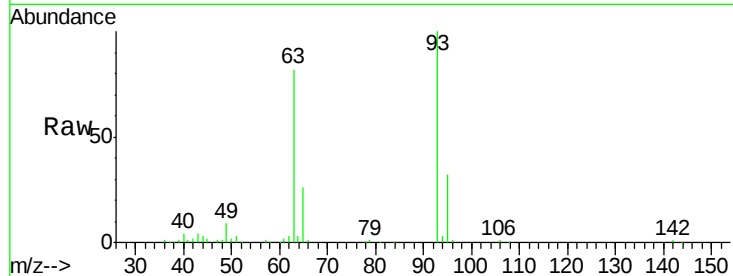
Tgt Ion: 93 Resp: 229124

Ion Ratio Lower Upper

93 100

63 81.6 67.1 107.1

95 32.2 11.5 51.5



#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

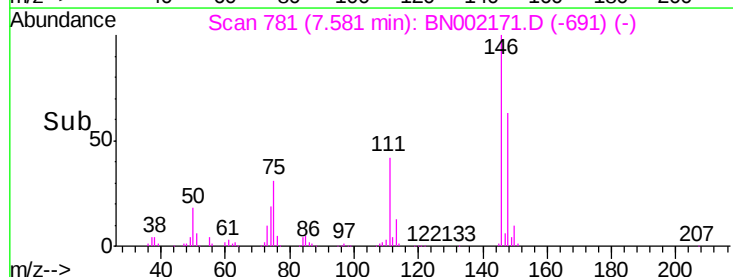
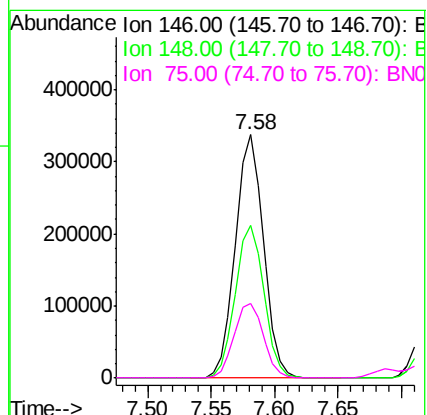
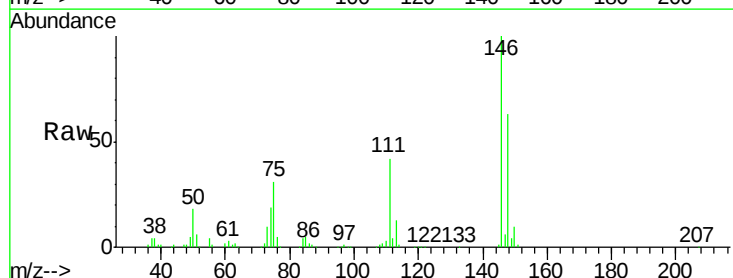
Tgt Ion: 146 Resp: 516896

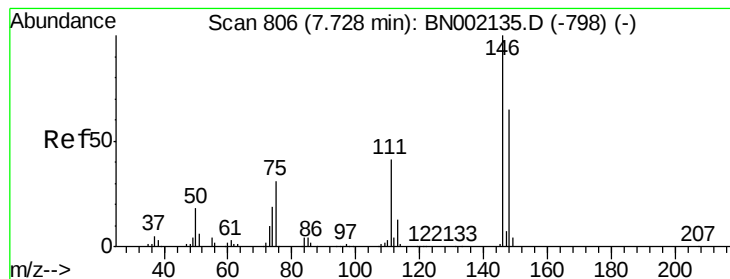
Ion Ratio Lower Upper

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

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BNA_N

ClientSampleId :

1536DL

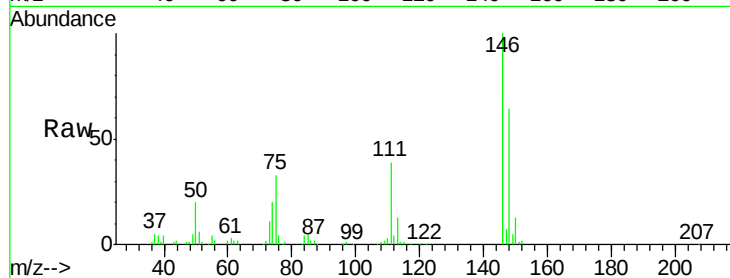
Tgt Ion:146 Resp: 190180

Ion Ratio Lower Upper

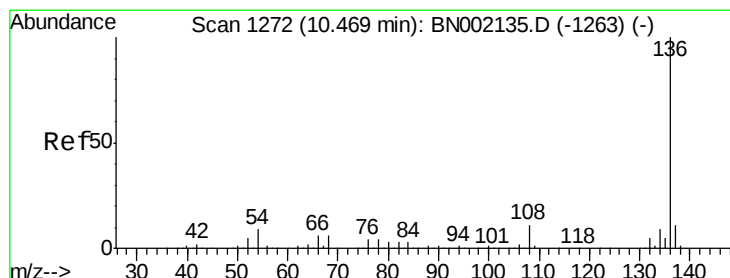
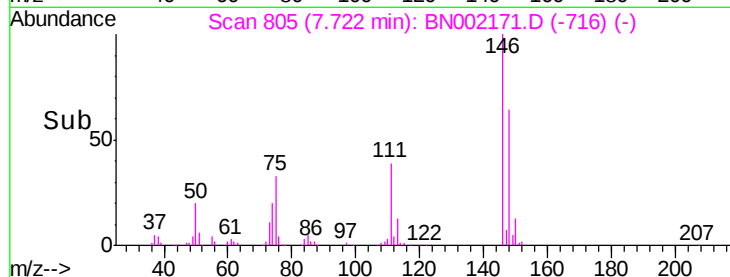
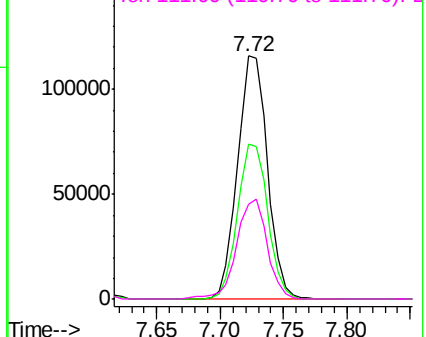
146 100

148 63.8 53.7 80.5

111 39.3 35.2 52.8



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



#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

Tgt Ion:136 Resp: 875985

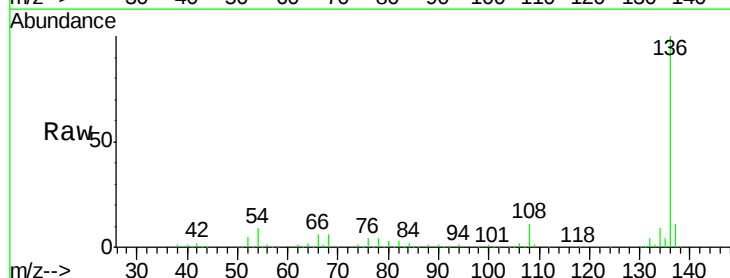
Ion Ratio Lower Upper

136 100

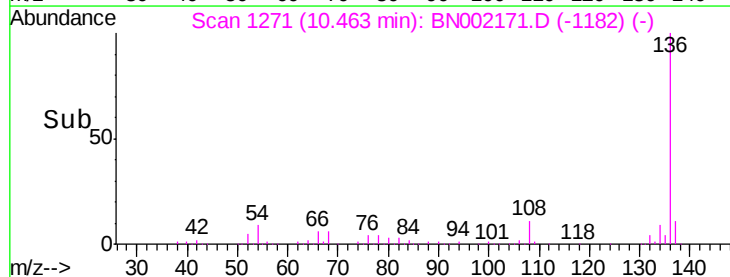
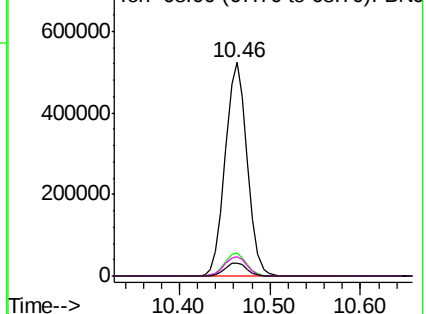
137 10.7 9.2 13.8

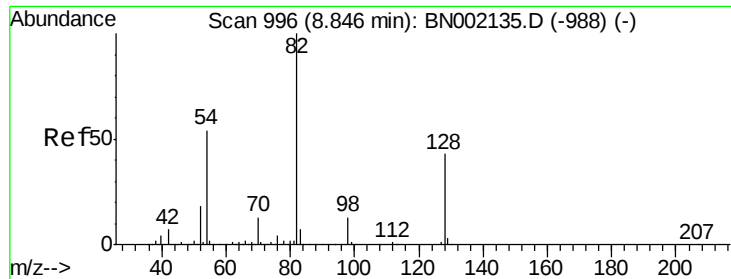
54 9.2 10.3 15.5#

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

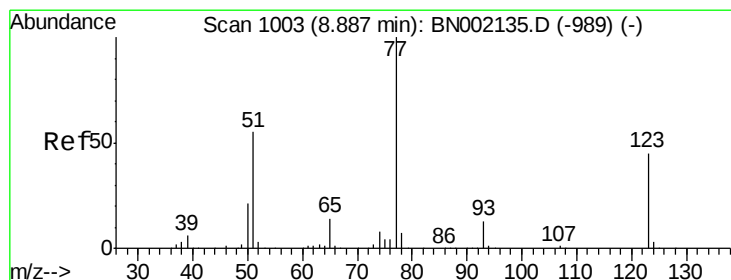
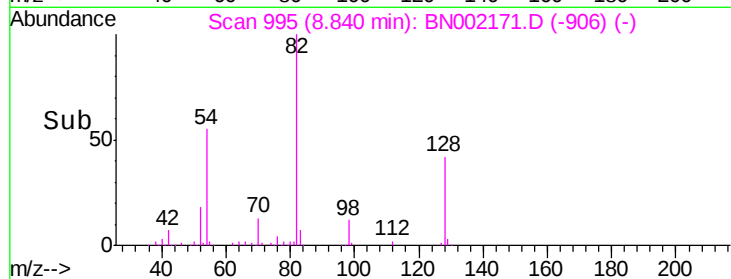
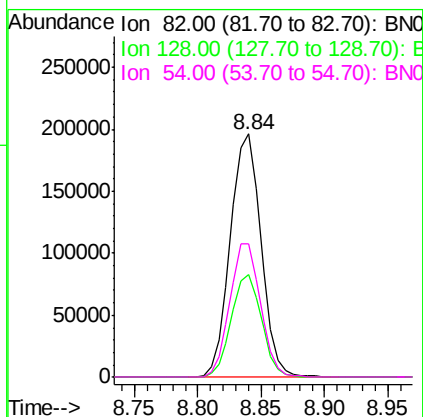
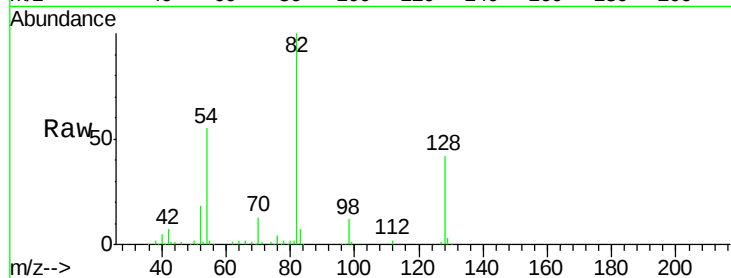




#23
 Nitrobenzene-d5
 Concen: 19.325 ng
 RT: 8.84 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: BN002171.D
 Acq: 26 Jul 2018 12:30

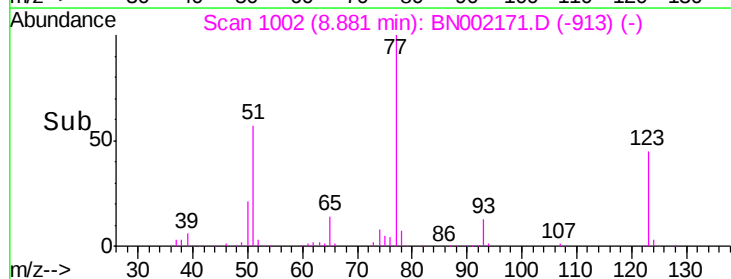
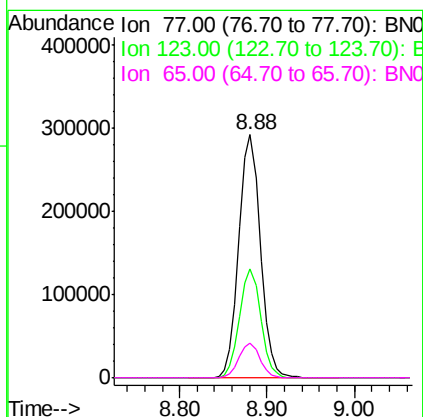
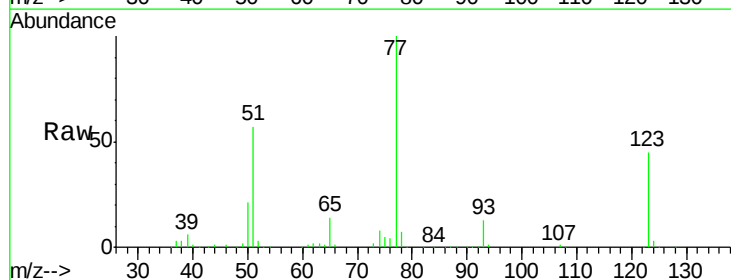
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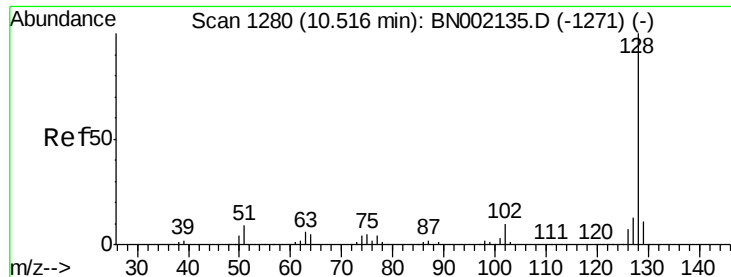
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.2	29.7	44.5
54	54.9	43.1	64.7



#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

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.7	33.0	49.6
65	14.2	13.0	19.6

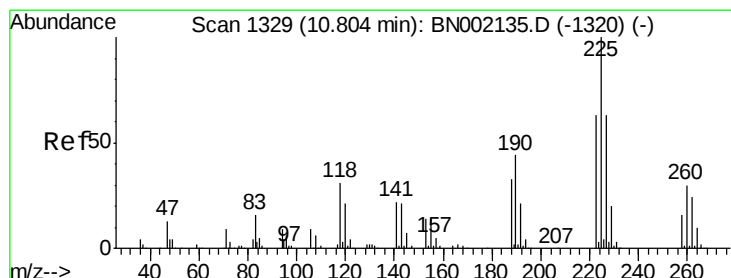
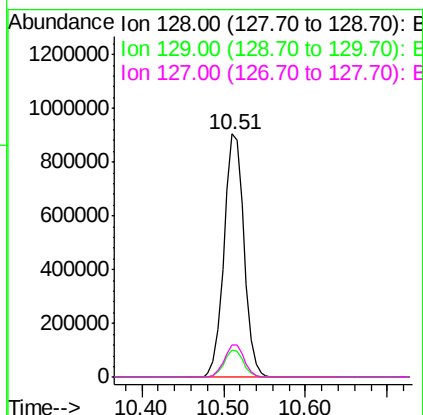
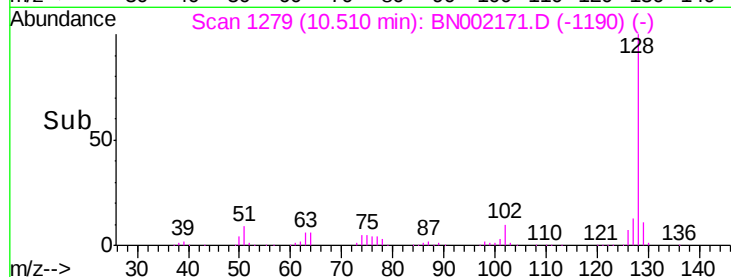
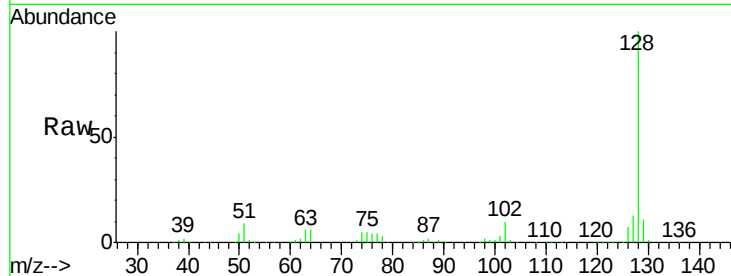




#31
Naphthalene
Concen: 34.756 ng
RT: 10.51 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

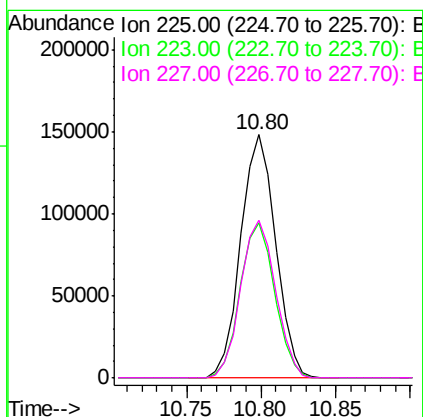
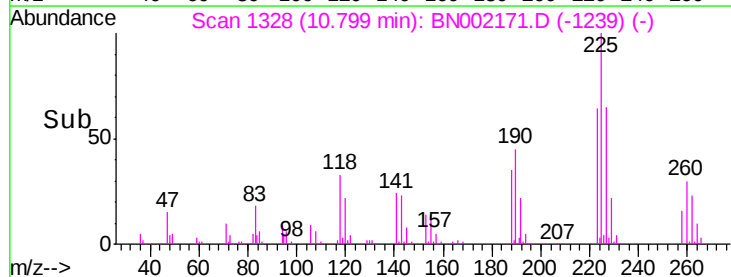
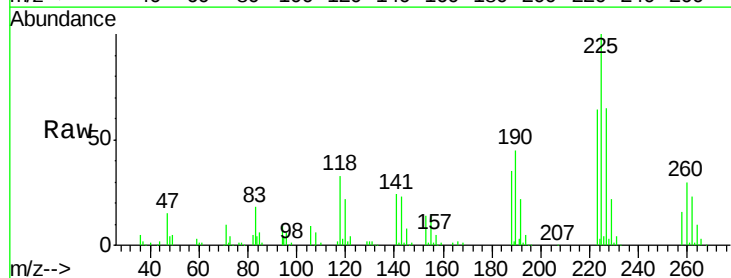
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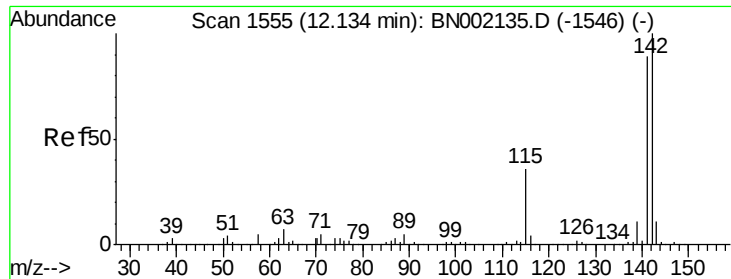
Tgt Ion:128 Resp: 1536572
Ion Ratio Lower Upper
128 100
129 11.3 8.6 12.8
127 13.1 11.6 17.4



#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

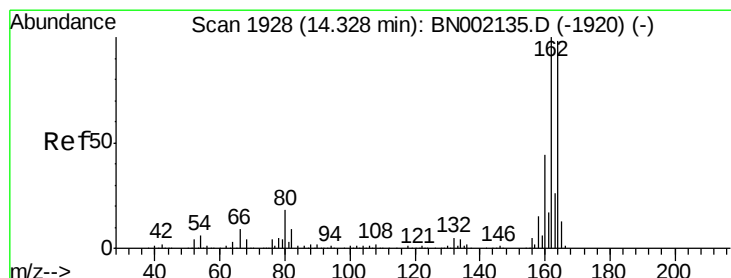
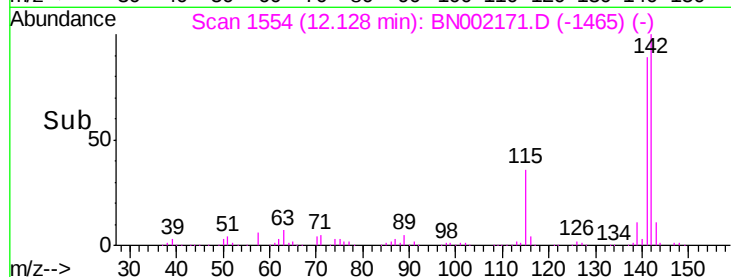
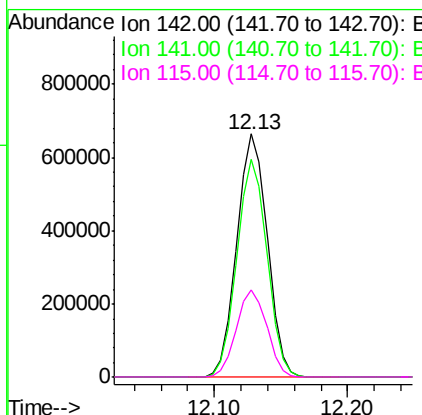
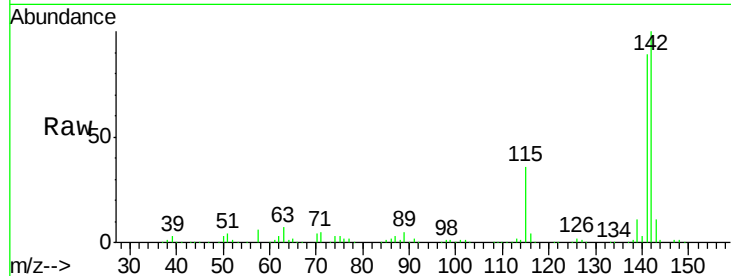




#37
2-Methylnaphthalene
Concen: 33.899 ng
RT: 12.13 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

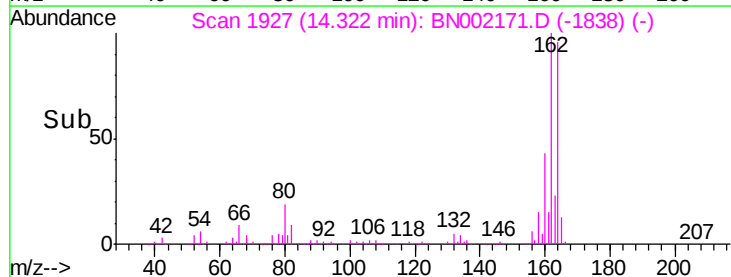
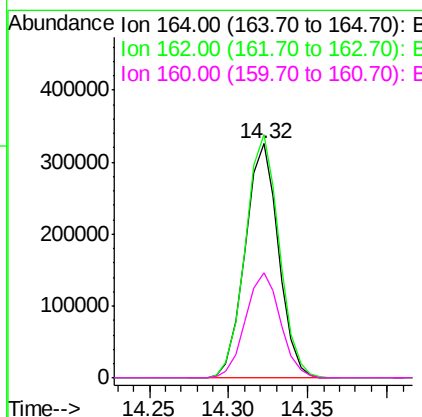
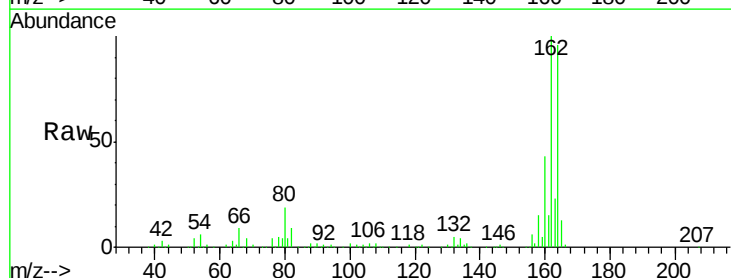
Instrument :
BNA_N
ClientSampleId :
1536DL

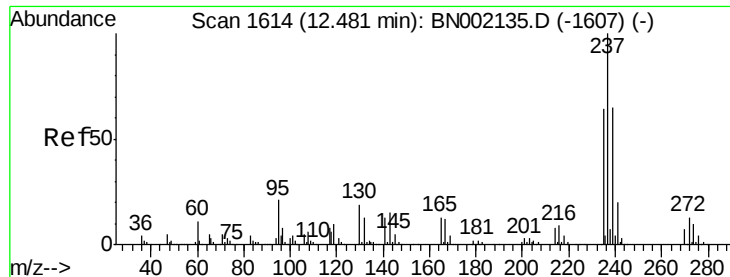
Tgt Ion:142 Resp: 1056961
Ion Ratio Lower Upper
142 100
141 89.3 67.1 100.7
115 35.7 30.7 46.1



#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

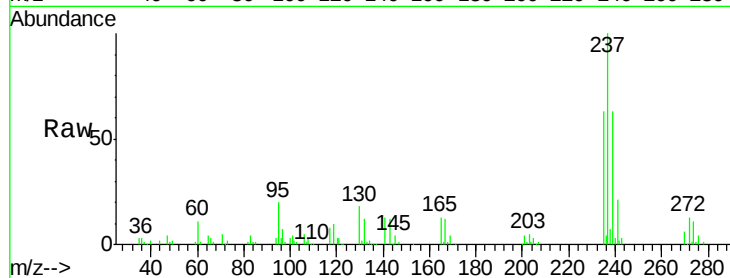




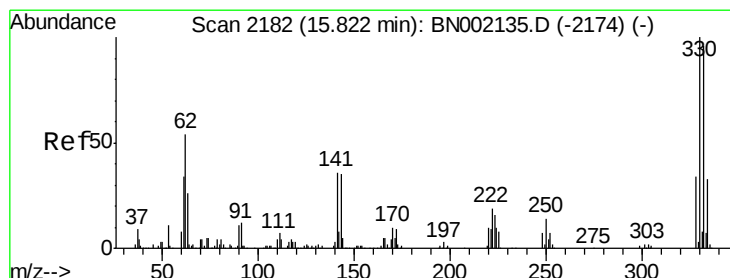
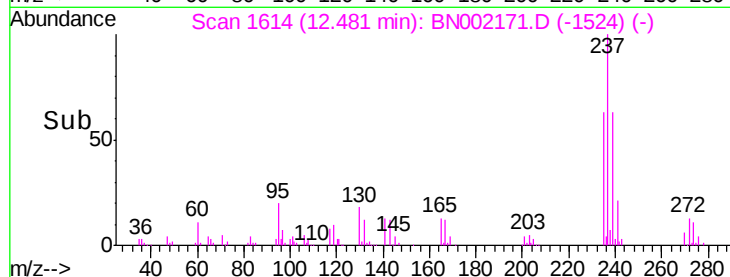
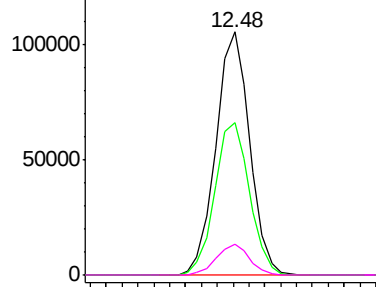
#40
Hexachlorocyclopentadiene
Concen: 17.236 ng
RT: 12.48 min Scan# 1614
Delta R.T. 0.00 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

Instrument :
BNA_N
ClientSampleId :
1536DL

Tgt Ion: 237 Resp: 156053
Ion Ratio Lower Upper
237 100
235 62.6 50.4 90.4
272 12.7 0.0 31.8

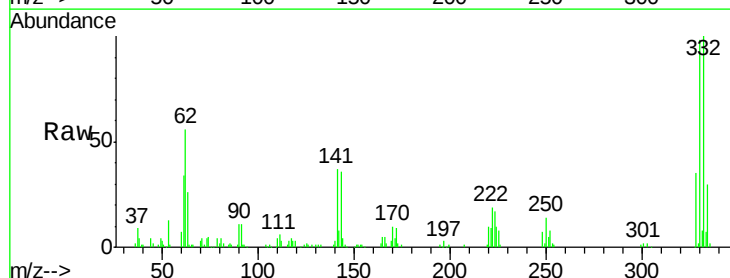


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

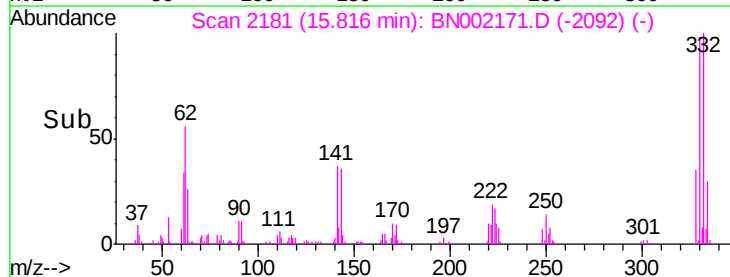
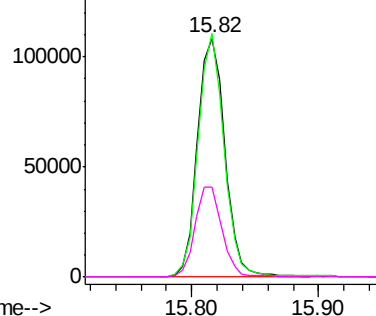


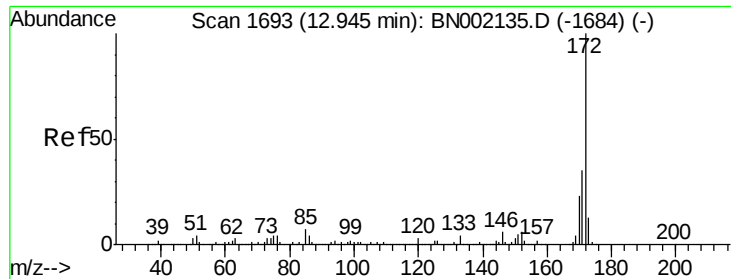
#41
2,4,6-Tribromophenol
Concen: 26.196 ng
RT: 15.82 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

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

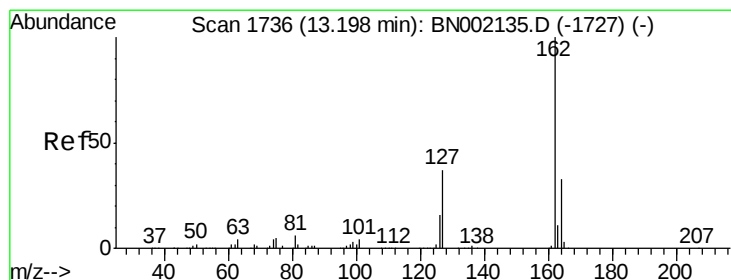
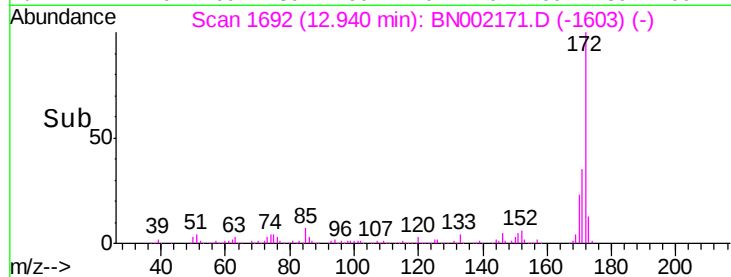
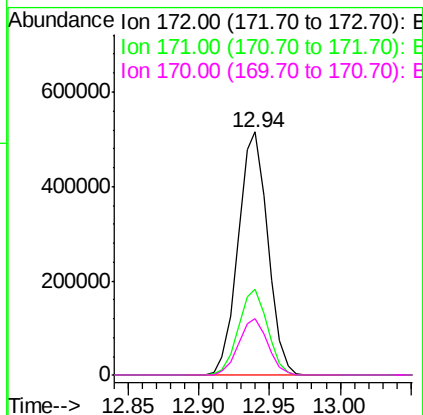
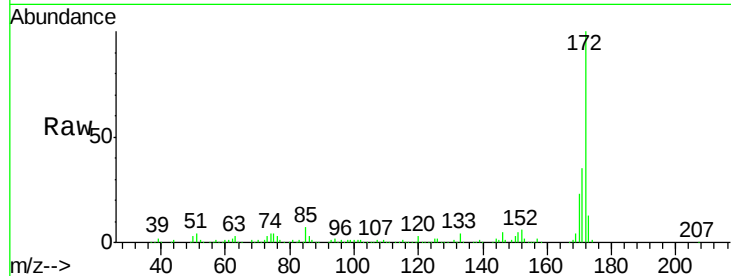




#44
 2-Fluorobiphenyl
 Concen: 20.622 ng
 RT: 12.94 min Scan# 1692
 Delta R.T. -0.01 min
 Lab File: BN002171.D
 Acq: 26 Jul 2018 12:30

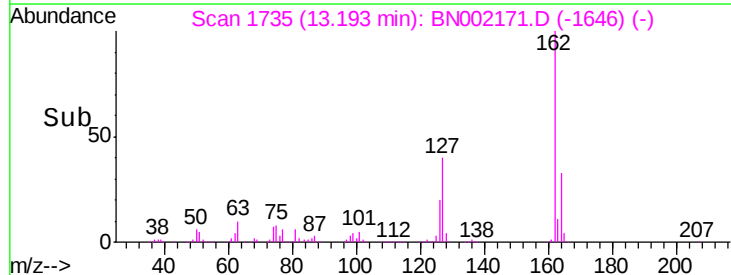
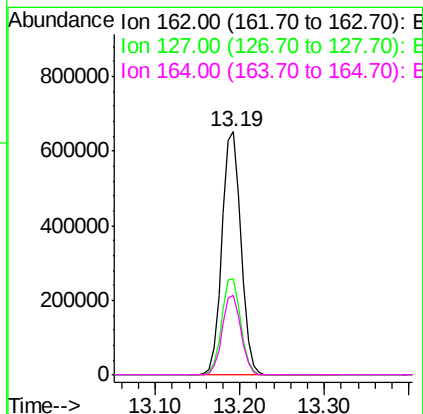
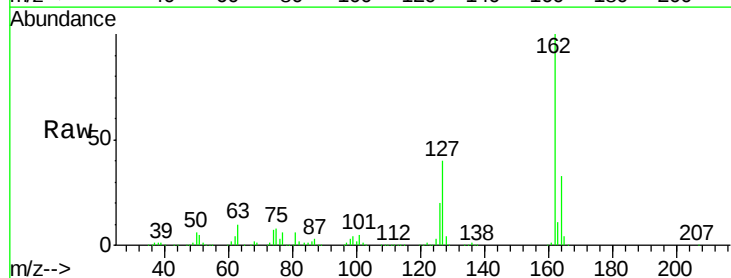
Instrument :
 BNA_N
 ClientSampleId :
 1536DL

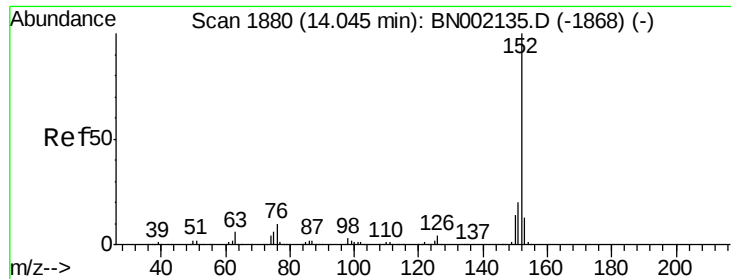
Tgt Ion:172 Resp: 754826
 Ion Ratio Lower Upper
 172 100
 171 35.3 30.0 45.0
 170 23.4 19.5 29.3



#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:162 Resp: 1015520
 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 :

1536DL

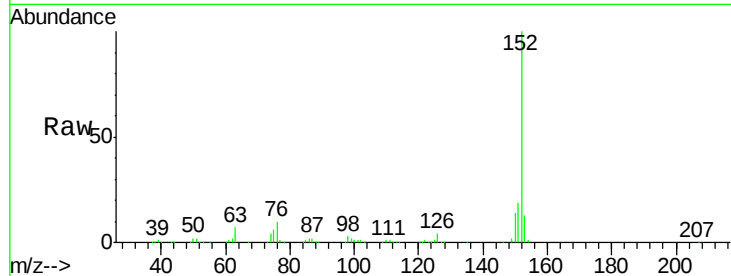
Tgt Ion:152 Resp: 1047073

Ion Ratio Lower Upper

152 100

151 19.2 17.2 25.8

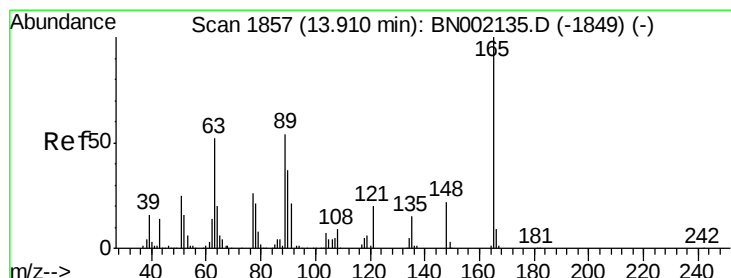
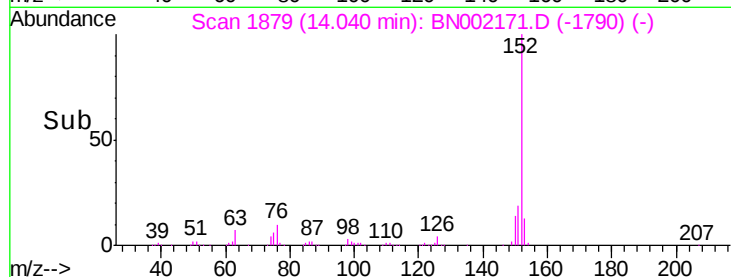
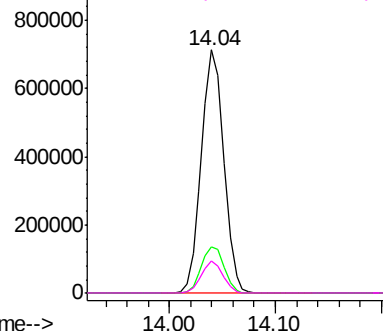
153 13.3 10.2 15.4



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

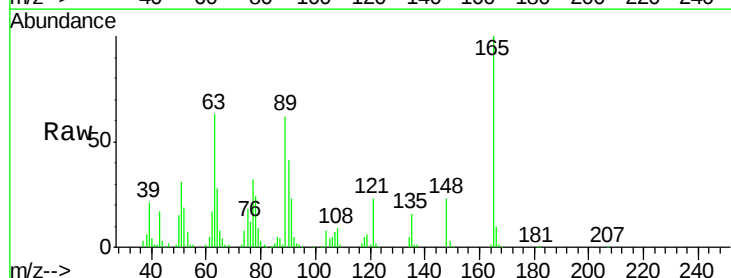
Tgt Ion:165 Resp: 222014

Ion Ratio Lower Upper

165 100

63 63.3 52.7 79.1

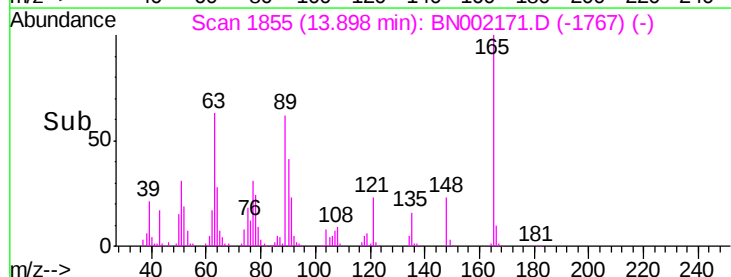
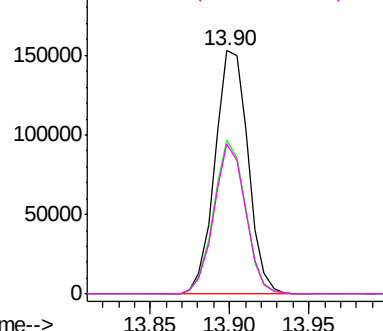
89 61.9 49.2 73.8

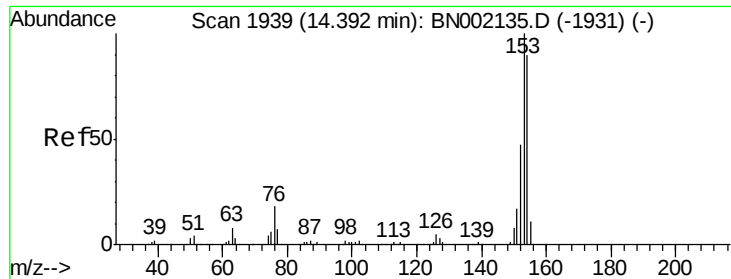


Abundance Ion 165.00 (164.70 to 165.70): E

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 :

1536DL

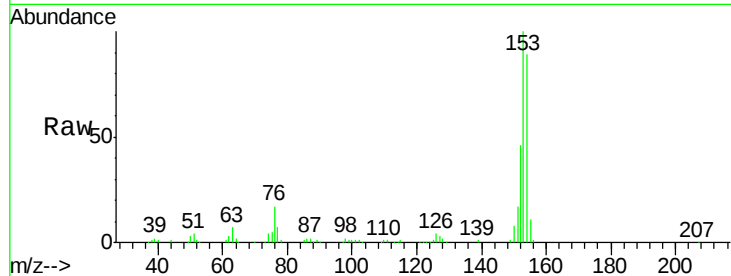
Tgt Ion:154 Resp: 308022

Ion Ratio Lower Upper

154 100

153 112.2 90.4 135.6

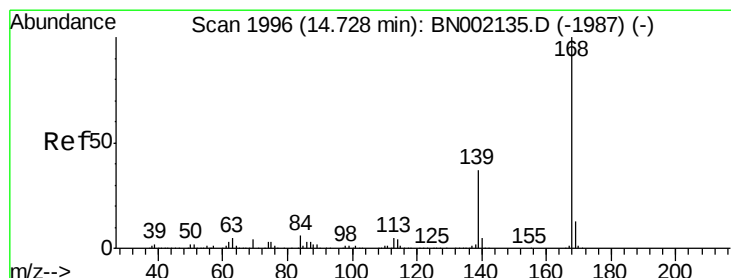
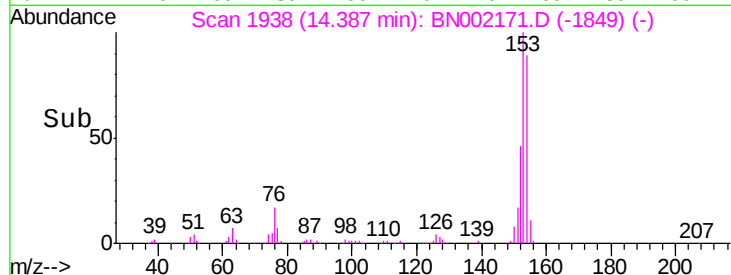
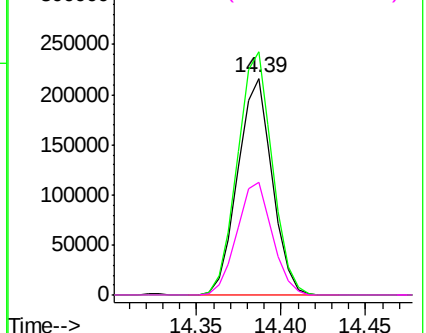
152 52.0 41.6 62.4



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

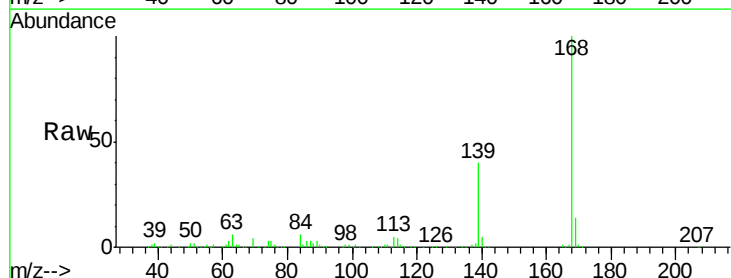
Tgt Ion:168 Resp: 1062257

Ion Ratio Lower Upper

168 100

139 39.7 28.6 43.0

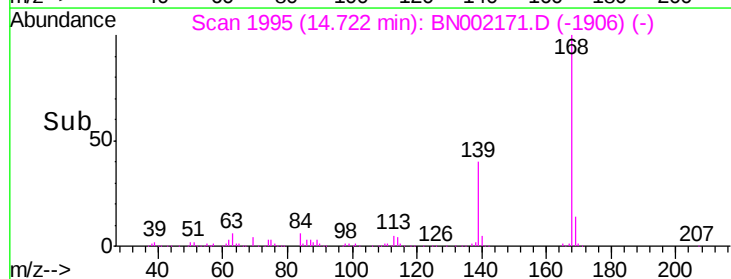
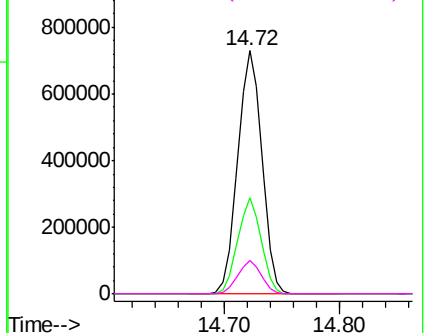
169 13.8 11.2 16.8

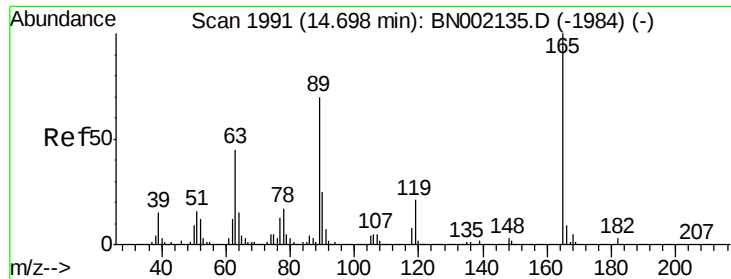


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

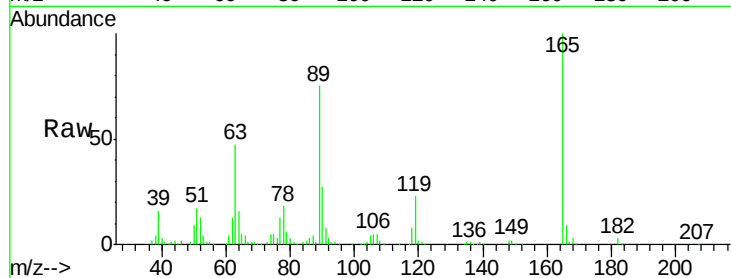




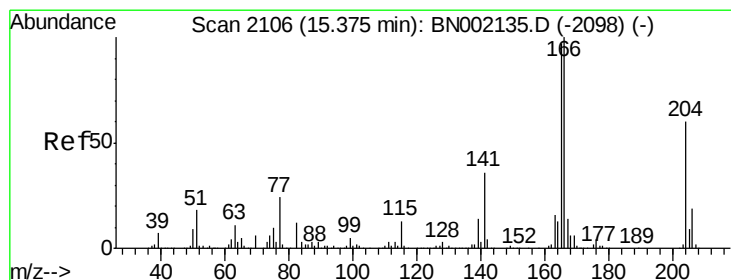
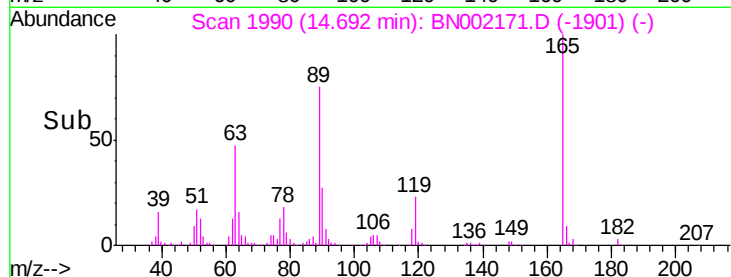
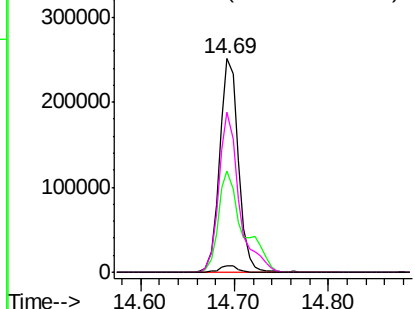
#56
2,4-Dinitrotoluene
Concen: 29.210 ng
RT: 14.69 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

Instrument :
BNA_N
ClientSampleId :
1536DL

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

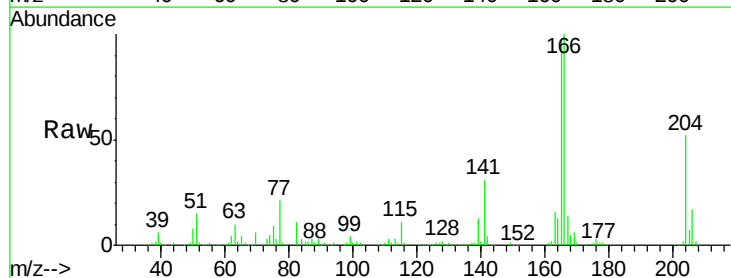


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BNC
Ion 89.00 (88.70 to 89.70): BNC
Ion 182.00 (181.70 to 182.70): E

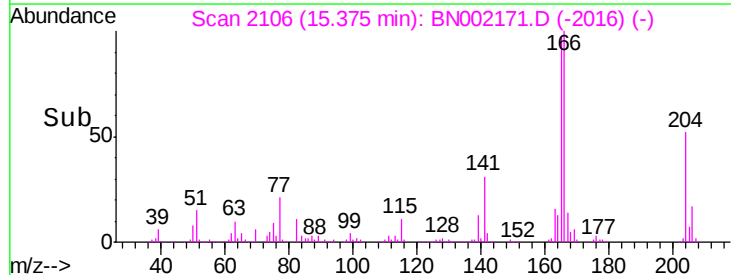
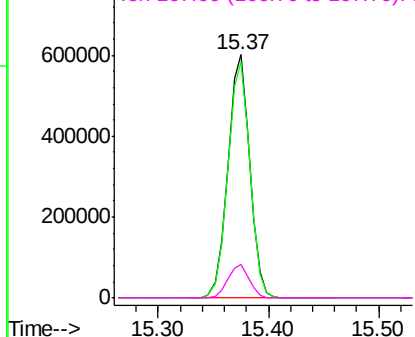


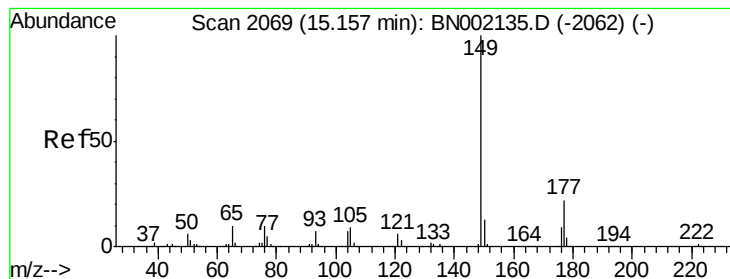
#57
Fluorene
Concen: 23.061 ng
RT: 15.37 min Scan# 2106
Delta R.T. 0.00 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

Tgt 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

Instrument :

BNA_N

ClientSampleId :

1536DL

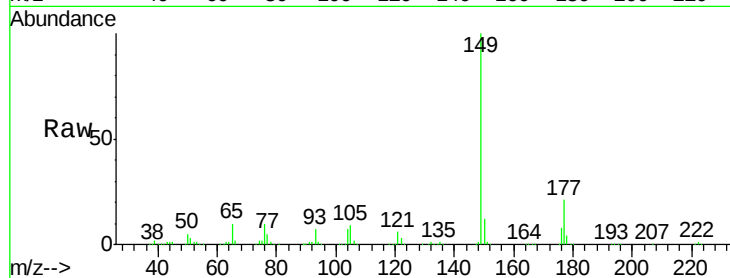
Tgt Ion:149 Resp: 1172112

Ion Ratio Lower Upper

149 100

177 21.5 18.5 27.7

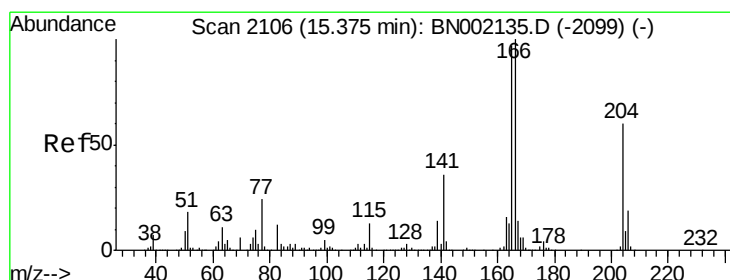
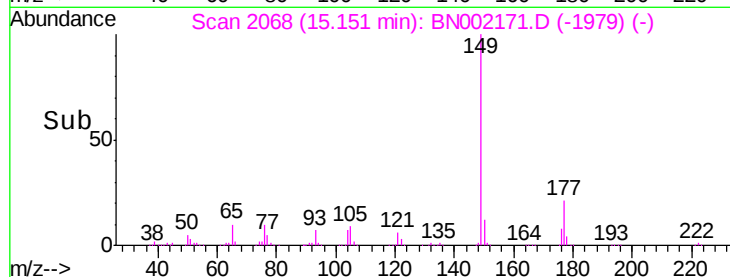
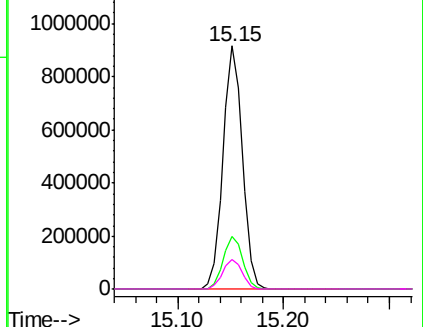
150 12.5 10.2 15.2



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

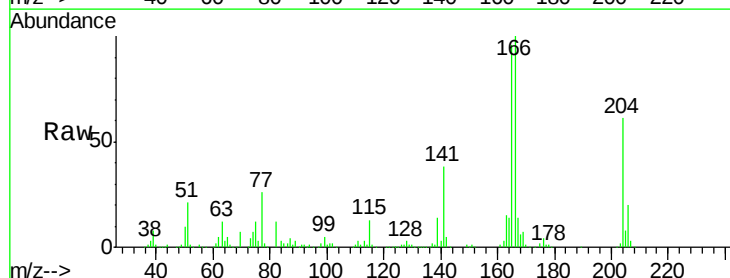
Tgt Ion:204 Resp: 439966

Ion Ratio Lower Upper

204 100

206 32.4 26.2 39.2

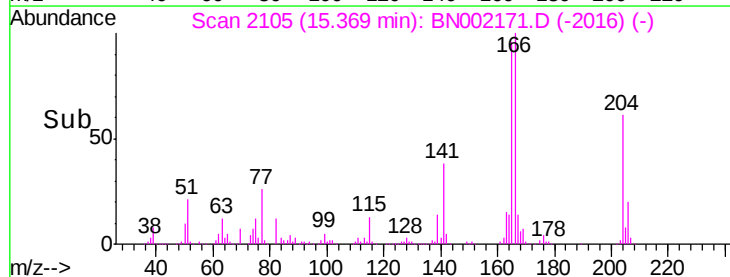
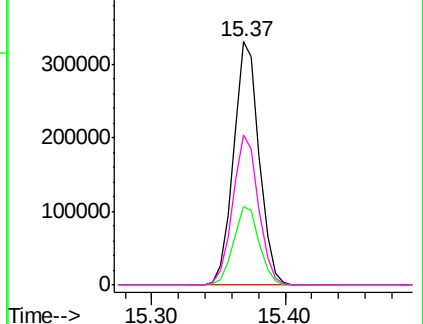
141 61.7 45.8 68.6

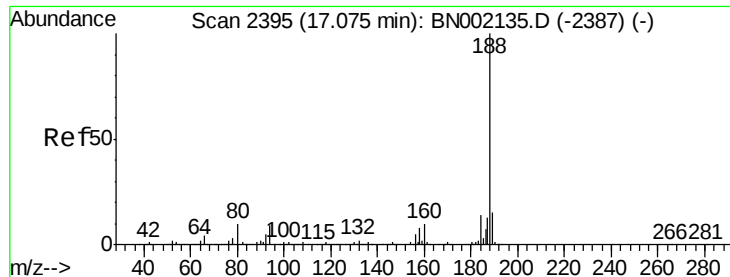


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#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

ClientSampleId :

1536DL

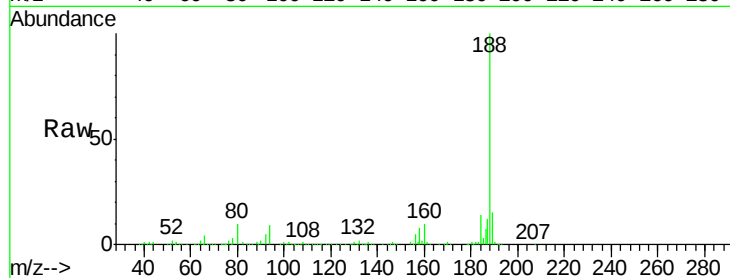
Tgt Ion:188 Resp: 981695

Ion Ratio Lower Upper

188 100

94 8.6 6.9 10.3

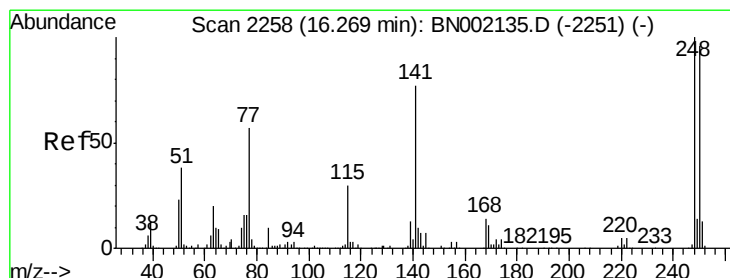
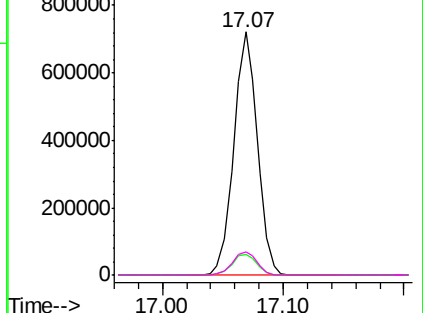
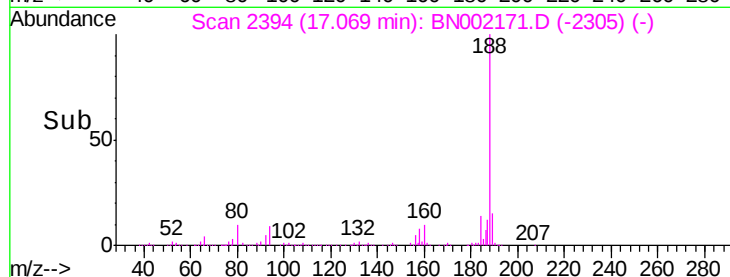
80 9.8 7.7 11.5



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: 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

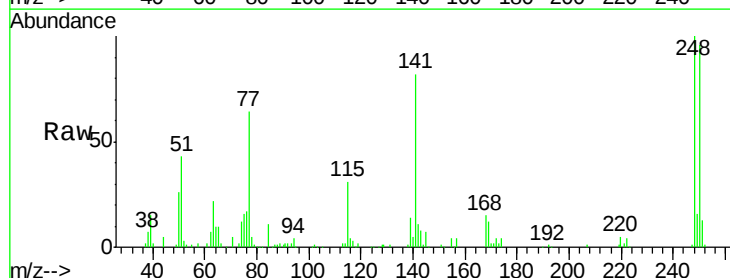
Tgt Ion:248 Resp: 143372

Ion Ratio Lower Upper

248 100

250 96.3 77.1 115.7

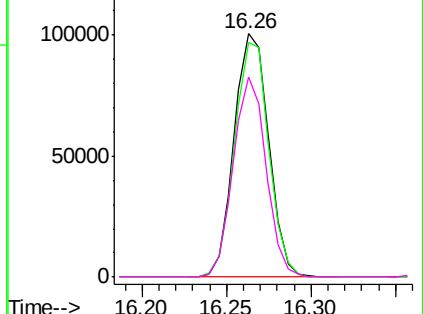
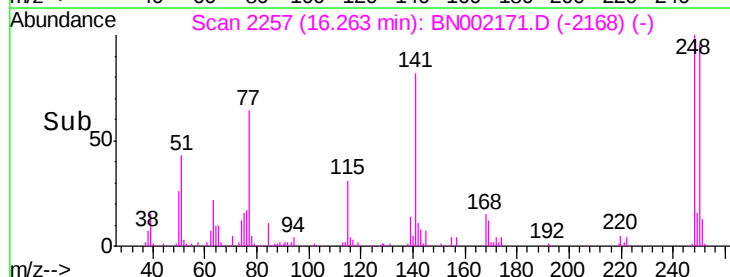
141 82.3 50.8 76.2#

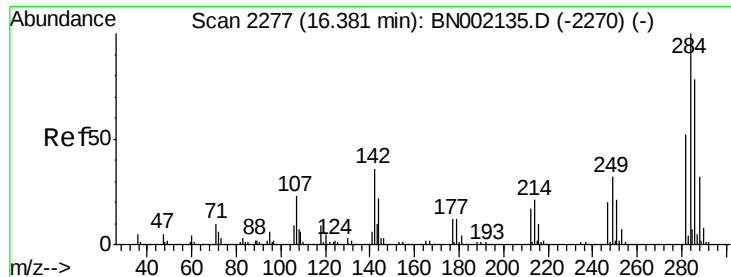


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

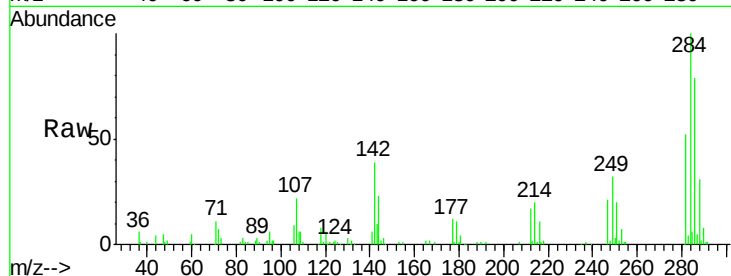




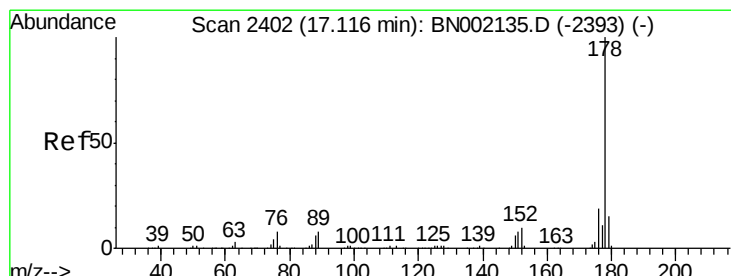
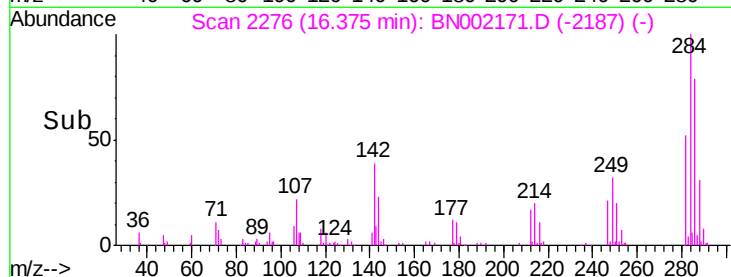
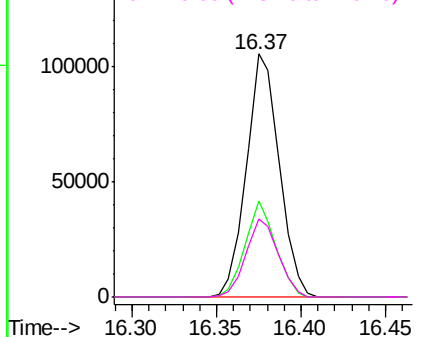
#67
Hexachlorobenzene
Concen: 11.271 ng
RT: 16.37 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

Instrument :
BNA_N
ClientSampled :
1536DL

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

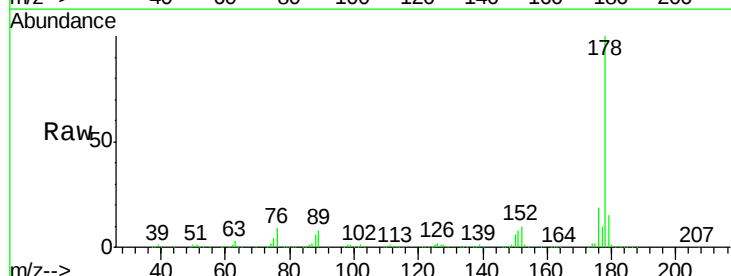


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

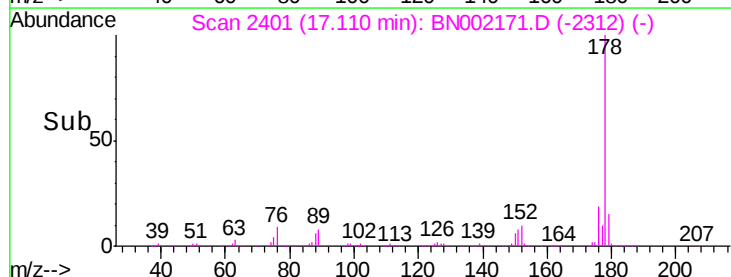
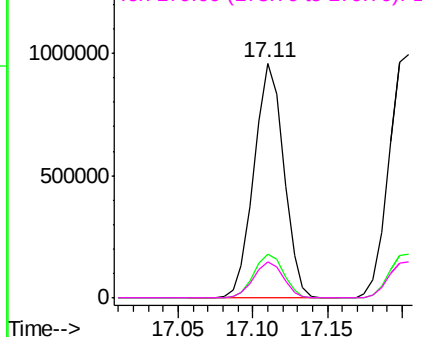


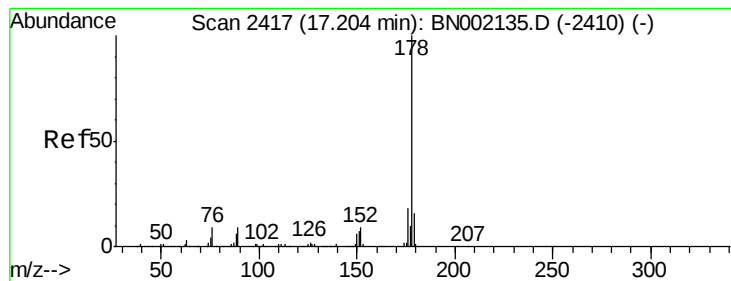
#70
Phenanthrene
Concen: 24.682 ng
RT: 17.11 min Scan# 2401
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

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 :

1536DL

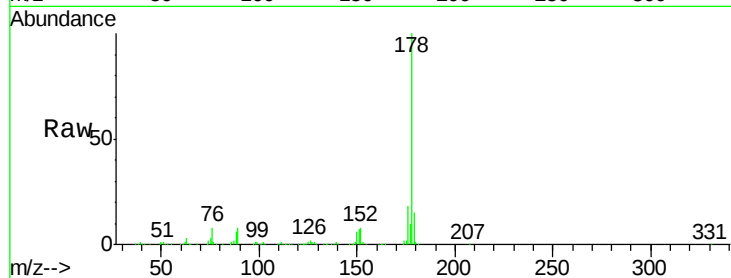
Tgt Ion:178 Resp: 1449615

Ion Ratio Lower Upper

178 100

176 18.3 16.0 24.0

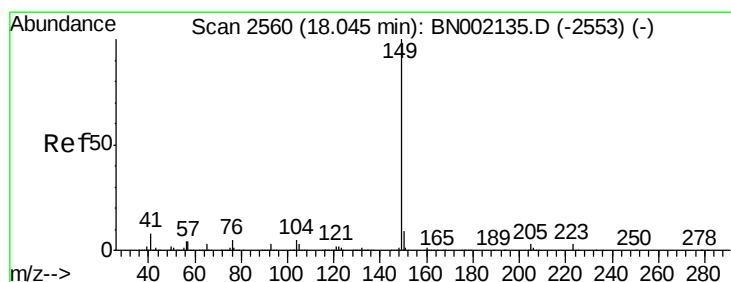
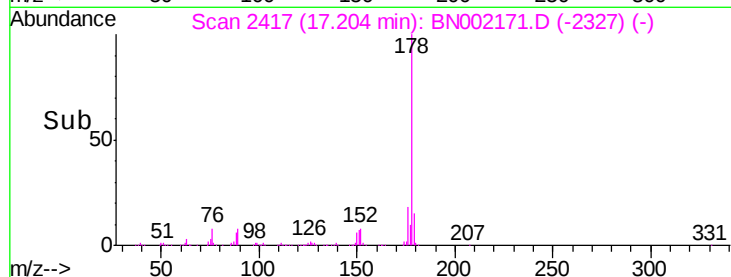
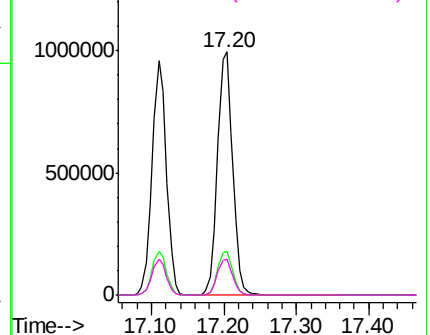
179 14.9 12.5 18.7



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



#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

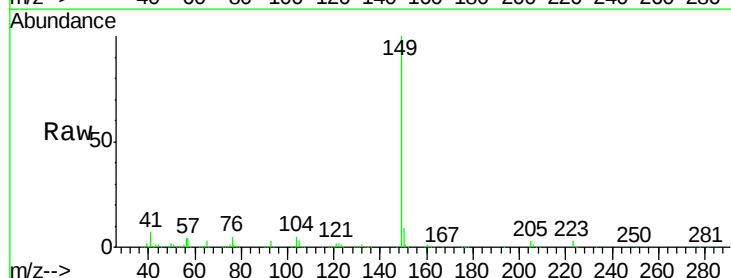
Tgt Ion:149 Resp: 1298262

Ion Ratio Lower Upper

149 100

150 8.8 7.8 11.6

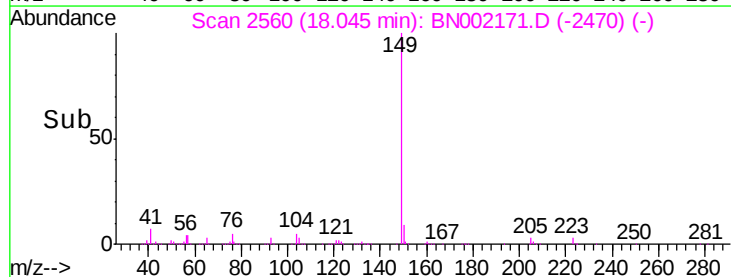
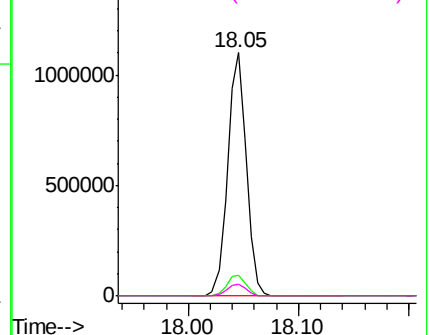
104 4.9 3.9 5.9

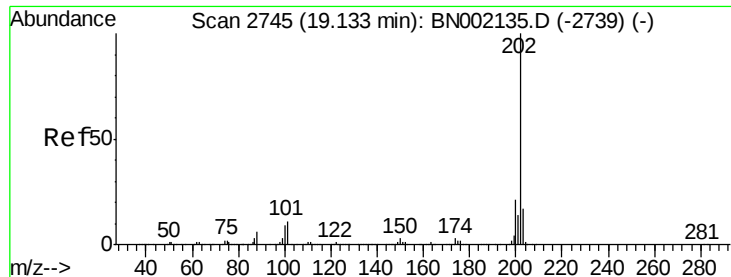


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#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

ClientSampleId :

1536DL

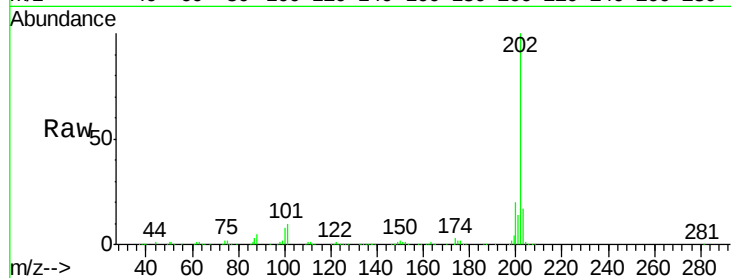
Tgt Ion:202 Resp: 1059892

Ion Ratio Lower Upper

202 100

101 9.9 0.0 28.9

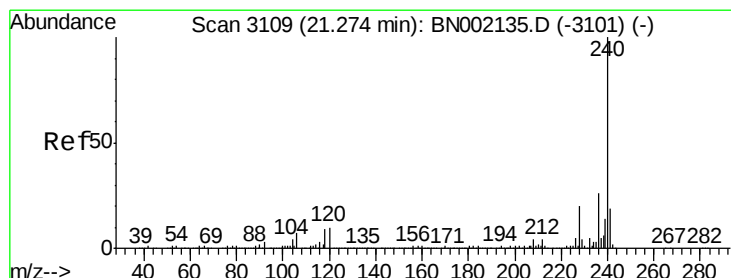
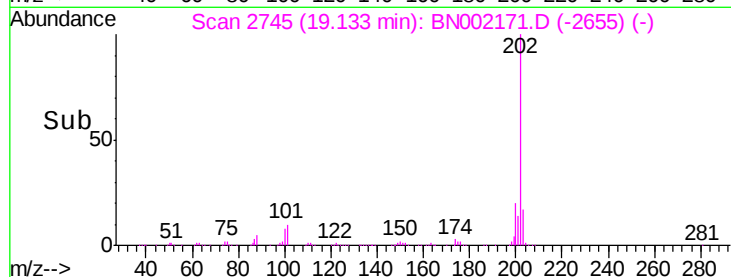
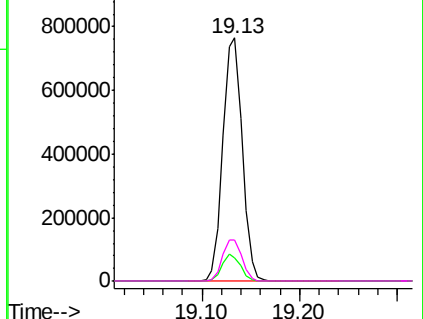
203 17.0 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#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

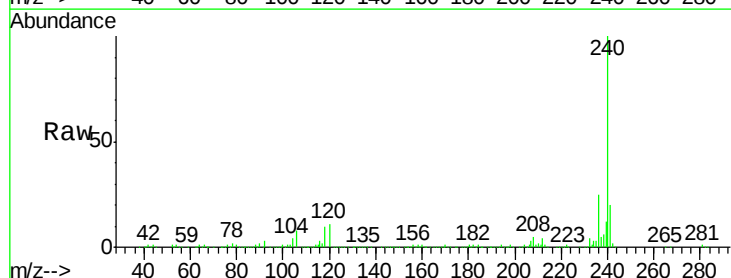
Tgt Ion:240 Resp: 891334

Ion Ratio Lower Upper

240 100

120 10.8 6.8 10.2#

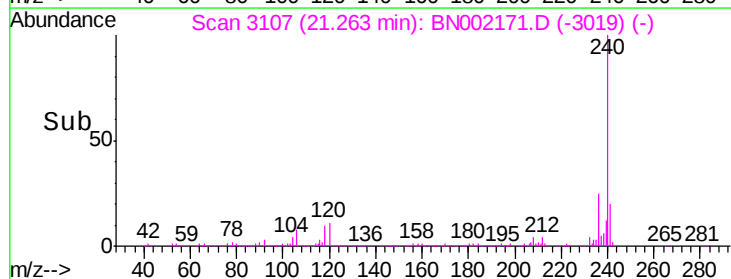
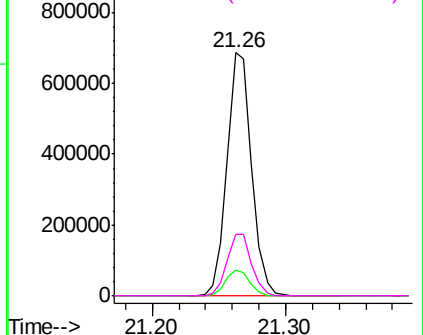
236 25.2 20.9 31.3

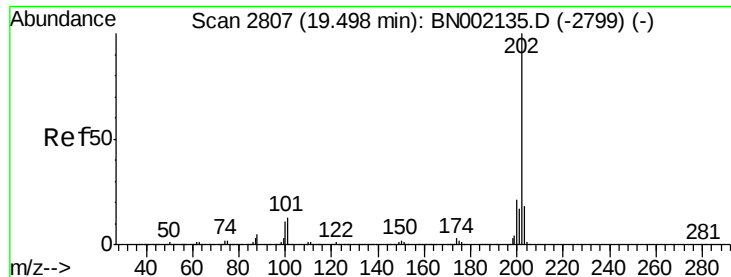


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

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 :

1536DL

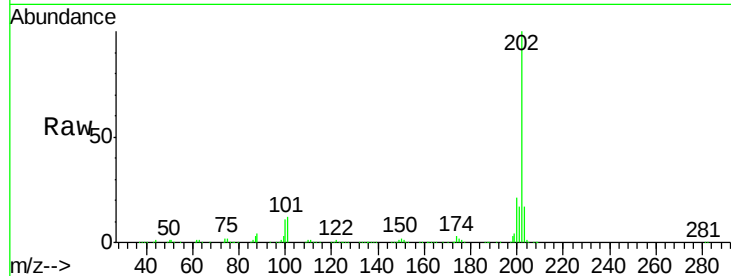
Tgt Ion:202 Resp: 1492414

Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

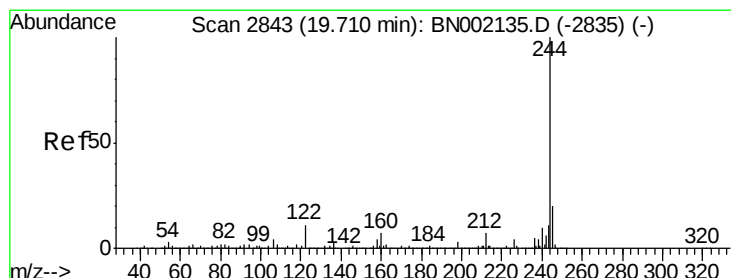
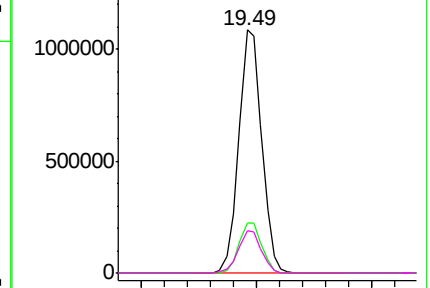
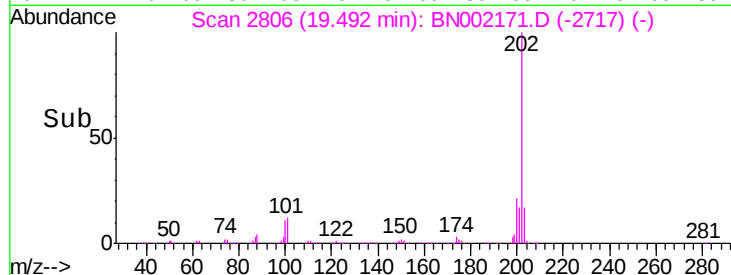
203 17.3 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#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

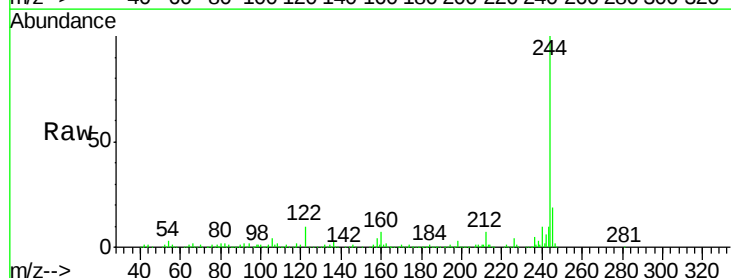
Tgt Ion:244 Resp: 946511

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

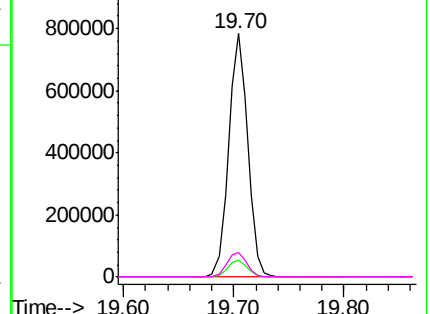
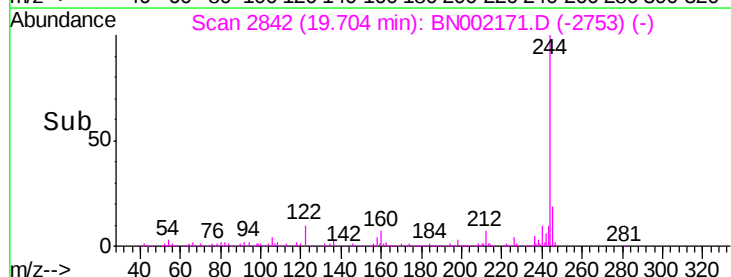
122 10.2 7.0 10.4

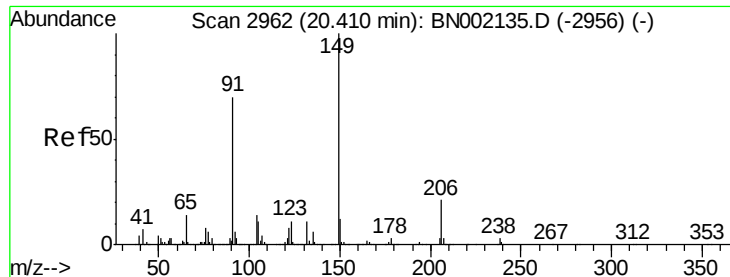


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

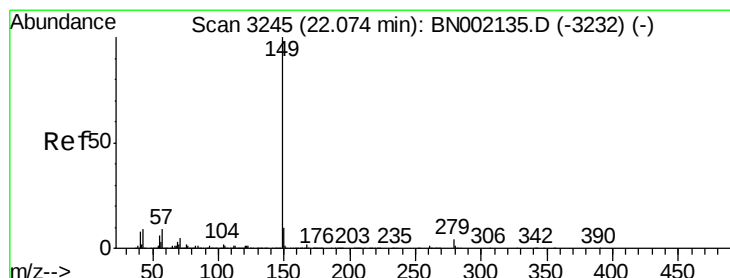
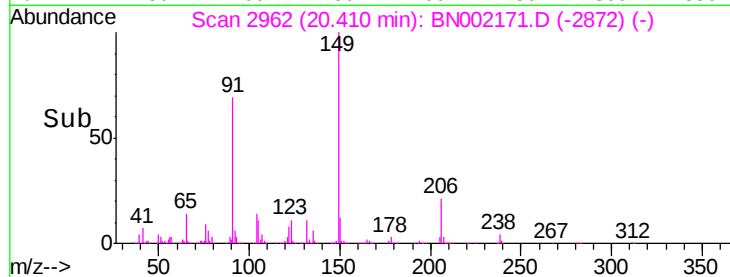
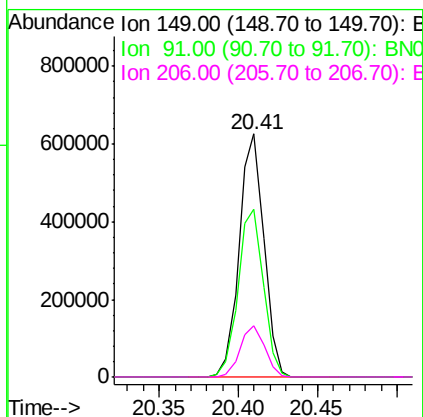
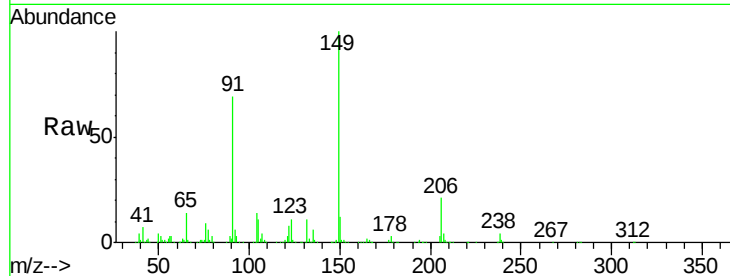




#79
Butylbenzylphthalate
Concen: 25.300 ng
RT: 20.41 min Scan# 2962
Delta R.T. 0.00 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

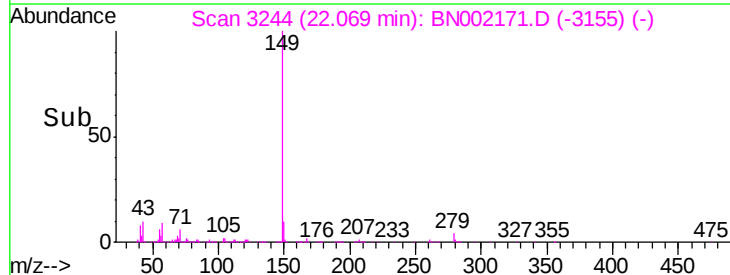
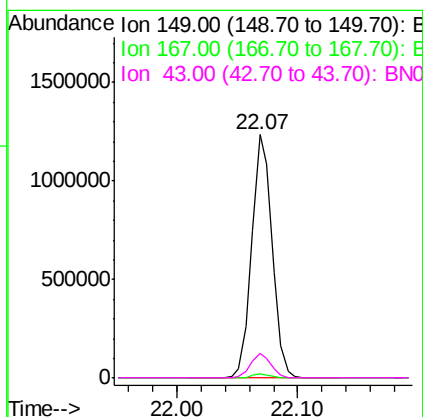
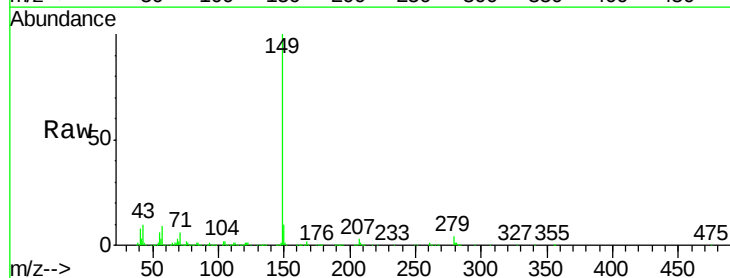
Instrument :
BNA_N
ClientSampleId :
1536DL

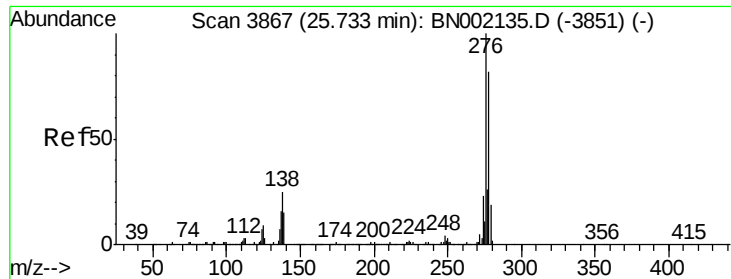
Tgt Ion:149 Resp: 676967
Ion Ratio Lower Upper
149 100
91 69.2 62.2 93.2
206 21.4 18.6 27.8



#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:149 Resp: 1461922
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.0
43 10.2 8.9 13.3

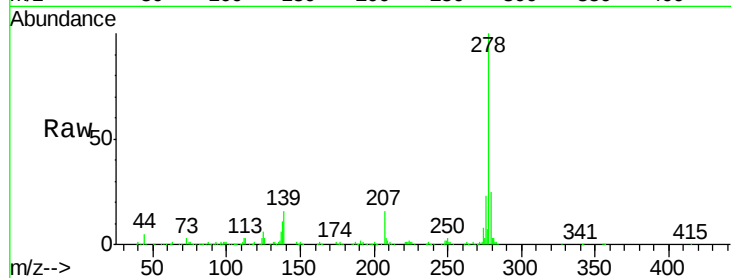




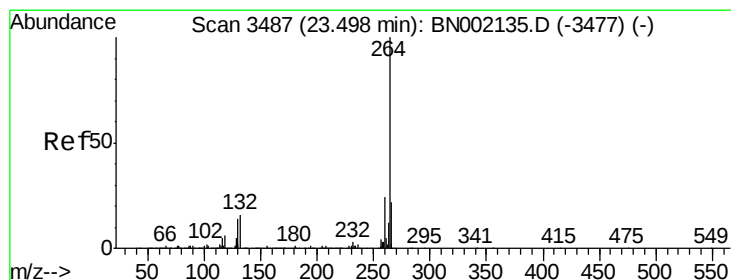
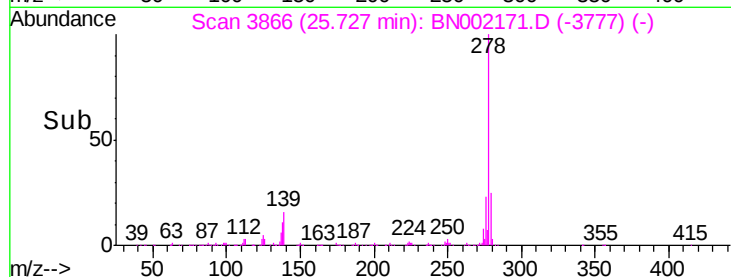
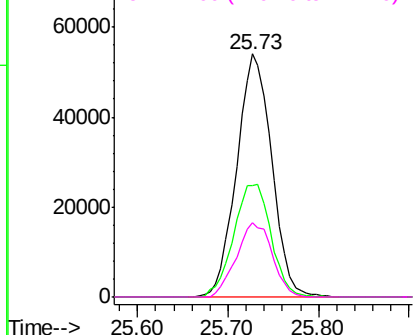
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.891 ng
RT: 25.73 min Scan# 3866
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

Instrument :
BNA_N
ClientSampleId :
1536DL

Tgt Ion: 276 Resp: 145815
Ion Ratio Lower Upper
276 100
138 49.5 16.0 24.0#
277 31.2 20.0 30.0#

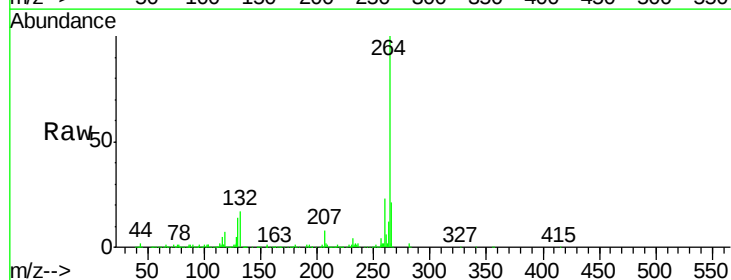


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

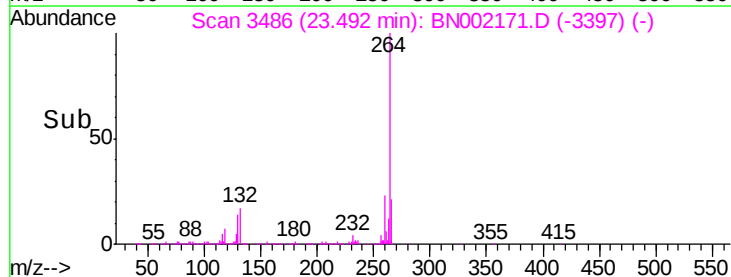
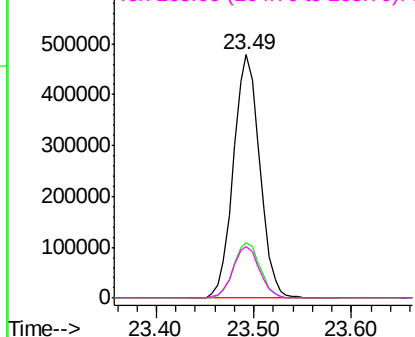


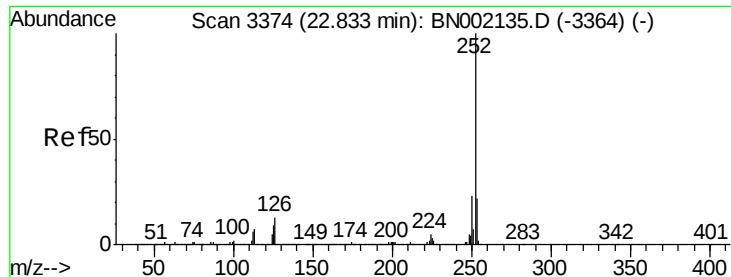
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.49 min Scan# 3486
Delta R.T. -0.01 min
Lab File: BN002171.D
Acq: 26 Jul 2018 12:30

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

ClientSampleId :

1536DL

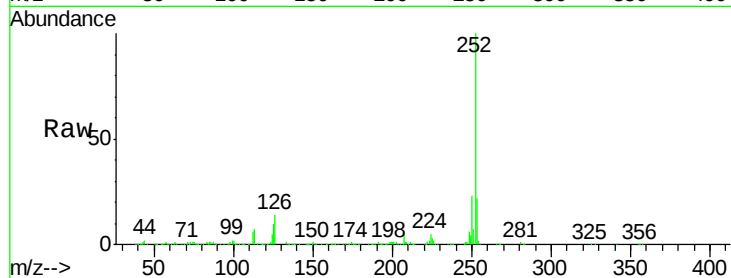
Tgt Ion:252 Resp: 1216263

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.4

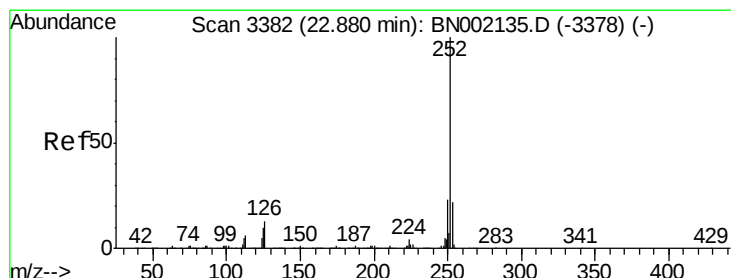
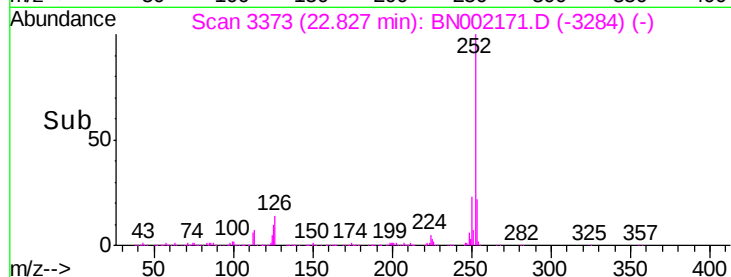
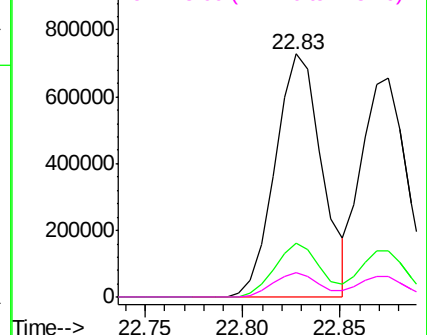
125 10.2 7.2 10.8



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

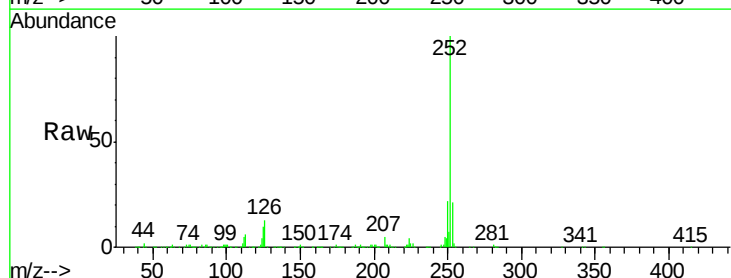
Tgt Ion:252 Resp: 1063096

Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.2

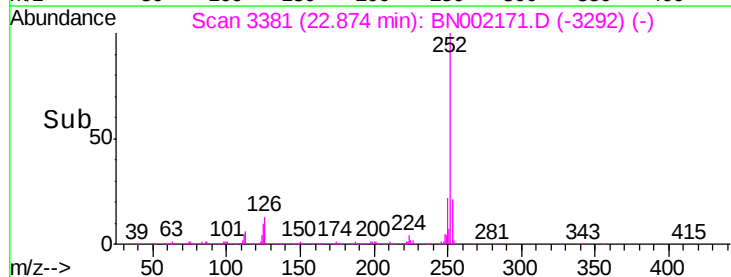
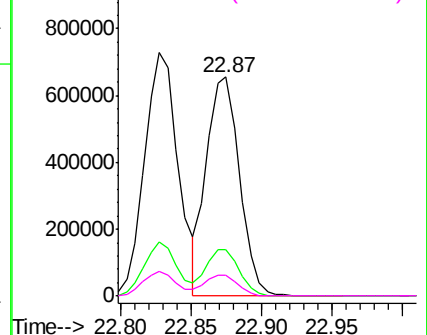
125 9.7 6.6 9.8

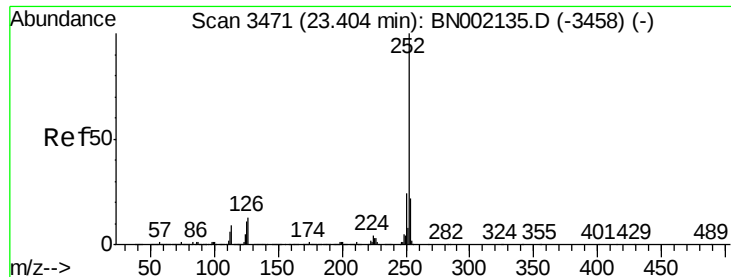


Abundance Ion 252.00 (251.70 to 252.70): E

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 :

1536DL

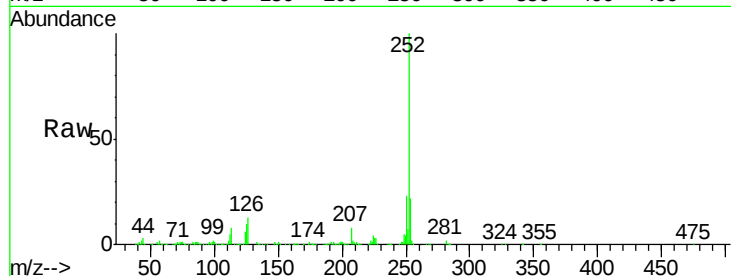
Tgt Ion:252 Resp: 841655

Ion Ratio Lower Upper

252 100

253 22.4 18.3 27.5

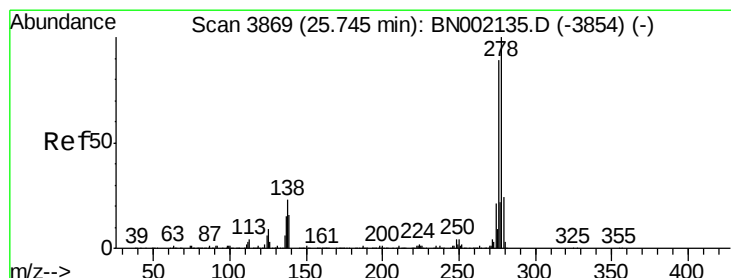
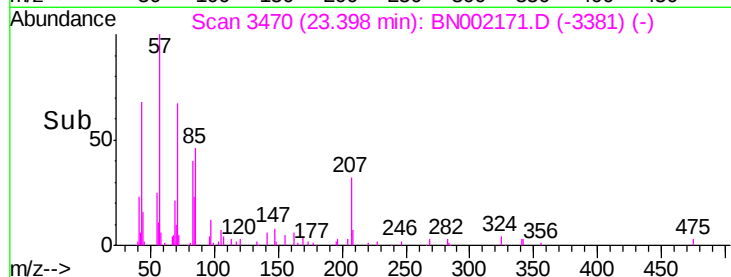
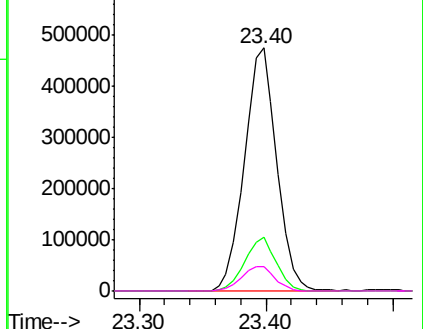
125 10.3 7.3 10.9



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

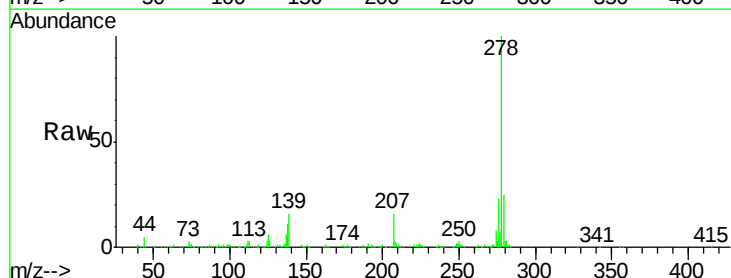
Tgt Ion:278 Resp: 635046

Ion Ratio Lower Upper

278 100

139 16.5 9.8 14.6#

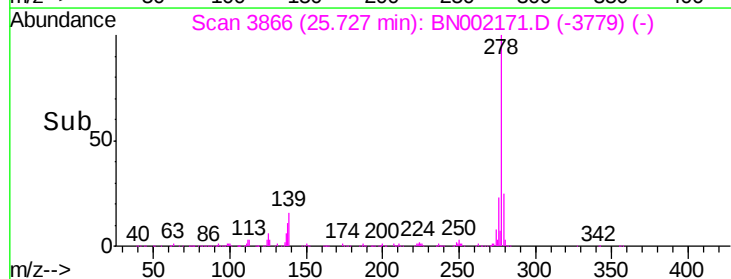
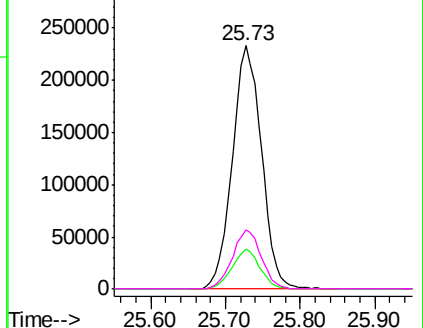
279 24.6 18.4 27.6

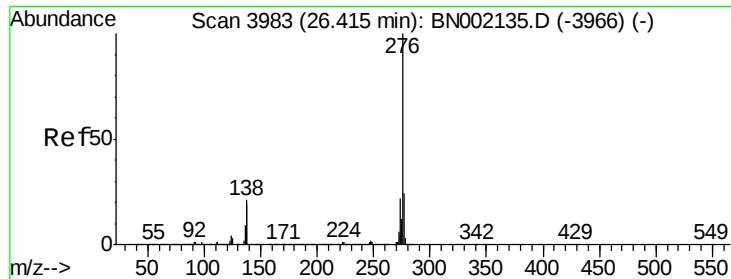


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,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 :

1536DL

Tgt Ion:276 Resp: 1201563

Ion Ratio Lower Upper

276 100

277 23.9 18.3 27.5

138 20.7 13.9 20.9

