

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072618\
 Data File : BN002170.D
 Acq On : 26 Jul 2018 11:55
 Operator : JU/SJ
 Sample : J4086-25
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 27 01:19:34 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	217094	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	832986	20.00	ng	0.00
38) Acenaphthene-d10	14.32	164	412265	20.00	ng	0.00
63) Phenanthrene-d10	17.07	188	781510	20.00	ng	0.00
75) Chrysene-d12	21.27	240	749429	20.00	ng	0.00
86) Perylene-d12	23.50	264	807835	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	1954384	144.93	ng	0.00
7) Phenol-d6	6.88	99	2633436	139.16	ng	0.00
23) Nitrobenzene-d5	8.85	82	1661477	102.29	ng	0.00
41) 2,4,6-Tribromophenol	15.82	330	735279	137.35	ng	0.00
44) 2-Fluorobiphenyl	12.94	172	3324889	105.05	ng	0.00
78) Terphenyl-d14	19.70	244	3715020	103.39	ng	0.00

Target Compounds

						Qvalue
4) n-Nitrosodimethylamine	3.58	42	509670	81.026	ng	# 72
6) Aniline	7.13	93	1159402	50.156	ng	# 52
11) bis(2-Chloroethyl)ether	7.13	93	1159402	73.436	ng	96
12) 1,3-Dichlorobenzene	7.59	146	2572146	144.321	ng	98
13) 1,4-Dichlorobenzene	7.73	146	946080	51.889	ng	97
14) 1,2-Dichlorobenzene	7.73	146	946080	53.788	ng	98
19) n-Nitroso-di-n-propylamine	8.85	70	224897	16.385	ng	# 79
24) Nitrobenzene	8.89	77	2393252	142.171	ng	95
31) Naphthalene	10.52	128	7123291	169.442	ng	98
33) 4-Chloroaniline	10.52	127	953133	50.956	ng	# 30
34) Hexachlorobutadiene	10.80	225	1182292	129.270	ng	98
37) 2-Methylnaphthalene	12.13	142	4745174	160.043	ng	95
40) Hexachlorocyclopentadiene	12.48	237	849281	108.477	ng	94
46) 2-Chloronaphthalene	13.20	162	4429421	158.181	ng	98
48) Acenaphthylene	14.05	152	4503745	105.988	ng	98
50) 2,6-Dinitrotoluene	13.91	165	1011501	132.949	ng	92
51) Acenaphthene	14.39	154	1322493	51.668	ng	98
52) 3-Nitroaniline	14.73	138	73572	8.925	ng	# 4
54) Dibenzofuran	14.73	168	4382335	105.600	ng	96
55) 4-Nitrophenol	14.73	139	1704661	269.353	ng	# 1
56) 2,4-Dinitrotoluene	14.70	165	1533072	148.472	ng	89
57) Fluorene	15.38	166	3389422	108.361	ng	97
59) Diethylphthalate	15.16	149	4727012	135.616	ng	99
60) 4-Chlorophenyl-phenylether	15.37	204	1781883	102.951	ng	96
61) 4-Nitroaniline	15.37	138	46971	5.590	ng	# 33
62) Azobenzene	15.37	77	769994	23.022	ng	# 39
65) n-Nitrosodiphenylamine	15.37	169	206377	7.958	ng	# 1
66) 4-Bromophenyl-phenylether	16.27	248	601208	65.714	ng	93
67) Hexachlorobenzene	16.38	284	581299	57.444	ng	98
70) Phenanthrene	17.12	178	5245675	122.971	ng	99
71) Anthracene	17.21	178	5647041	133.746	ng	99
73) Di-n-butylphthalate	18.05	149	5338440	108.025	ng	99
74) Fluoranthene	19.13	202	4208929	90.876	ng	97
76) Benzdine	19.70	184	54323	2.222	ng	# 92

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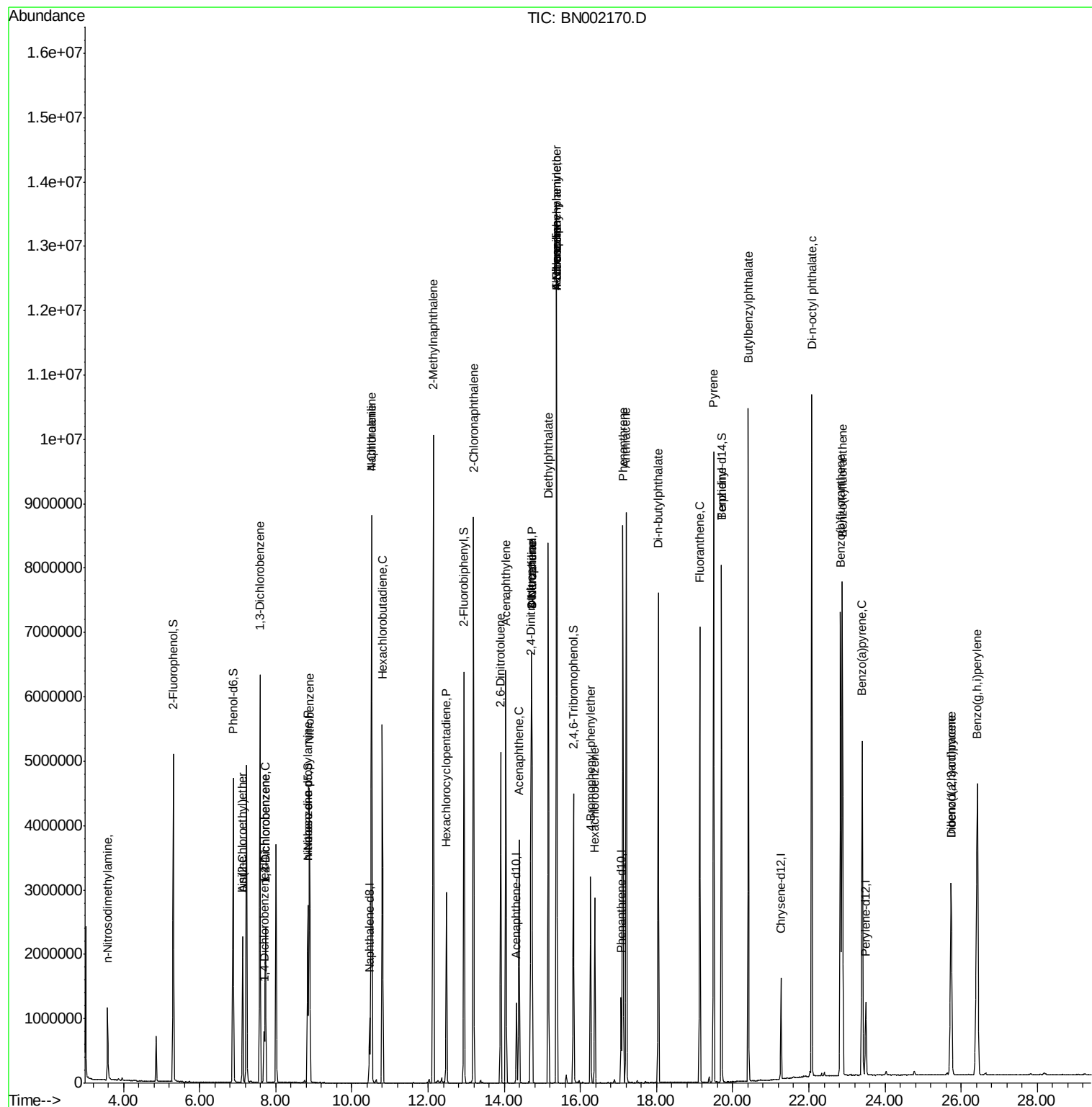
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Pyrene	19.50	202	5863483	113.452	nq	99
79) Butylbenzylphthalate	20.41	149	2940791	130.718	nq	93
84) Di-n-octyl phthalate	22.07	149	6772325	136.147	nq	98
85) Indeno(1,2,3-cd)pyrene	25.73	276	738114	17.408	nq	# 66
87) Benzo(b)fluoranthene	22.84	252	5337689	111.957	nq	98
88) Benzo(k)fluoranthene	22.88	252	4857455	103.452	nq	# 98
89) Benzo(a)pyrene	23.40	252	3923654	88.121	nq	# 97
90) Dibenzo(a,h)anthracene	25.74	278	3151257	75.382	nq	# 95
91) Benzo(g,h,i)perylene	26.43	276	5782659	143.137	nq	# 96

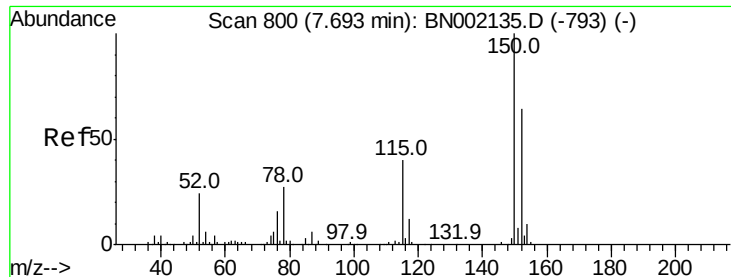
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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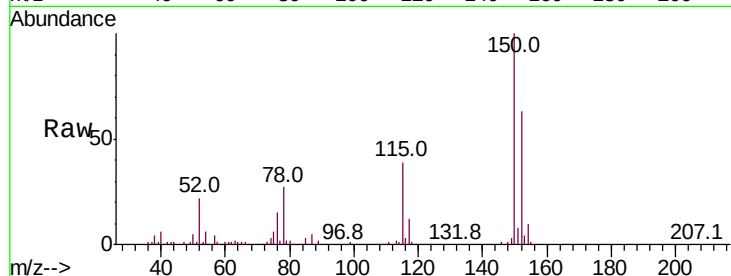


#1

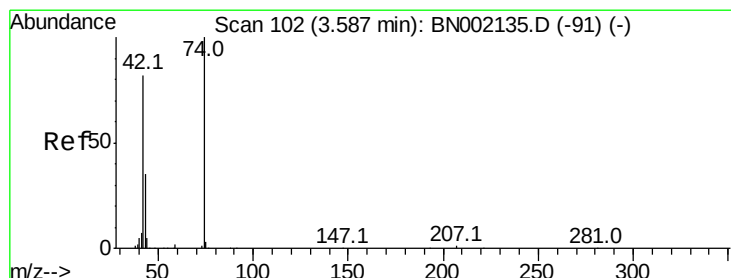
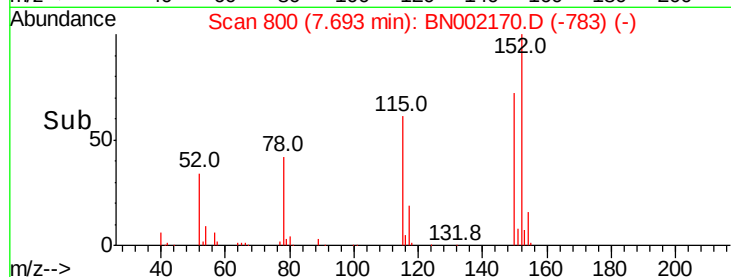
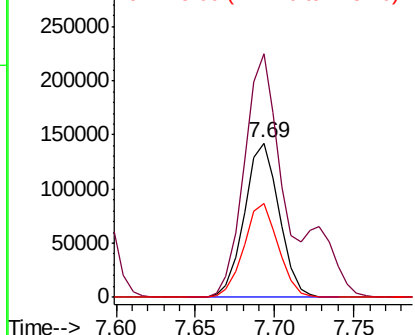
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 800
Delta R.T. 0.00 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Instrument :
BNA_N
ClientSampled :

Tot Ion:152 Resp: 217094
Ion Ratio Lower Upper
152 100
150 157.7 126.6 189.8
115 61.0 53.0 79.4



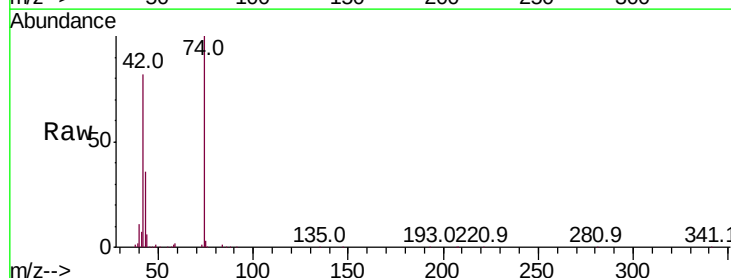
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



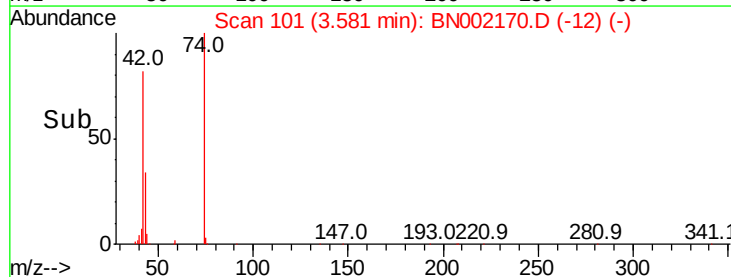
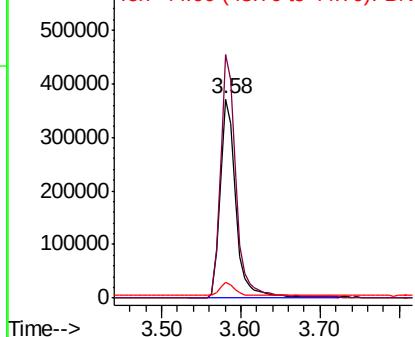
#4

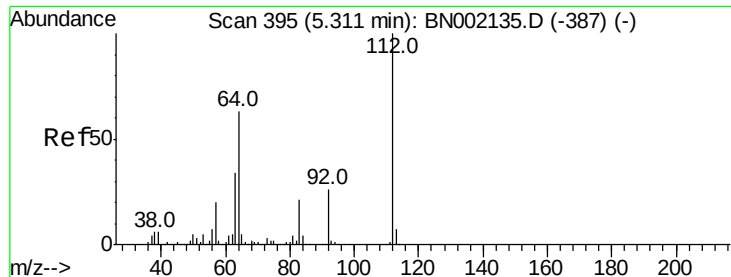
n-Nitrosodimethylamine
Concen: 81.026 ng
RT: 3.58 min Scan# 101
Delta R.T. -0.01 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Tgt Ion: 42 Resp: 509670
Ion Ratio Lower Upper
42 100
74 122.2 128.0 192.0#
44 7.9 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: 144.933 ng

RT: 5.31 min Scan# 395

Delta R.T. 0.00 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

Instrument :

BNA_N

ClientSampleId :

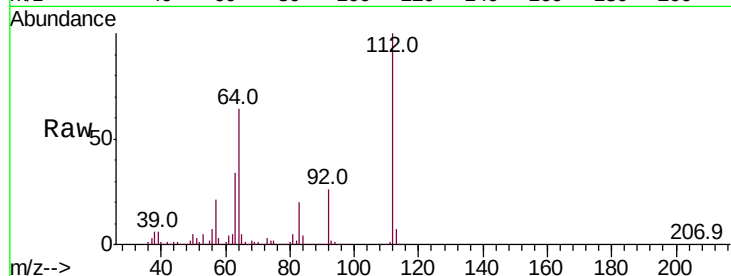
Tot Ion:112 Resp: 1954384

Ion Ratio Lower Upper

112 100

64 64.4 56.3 84.5

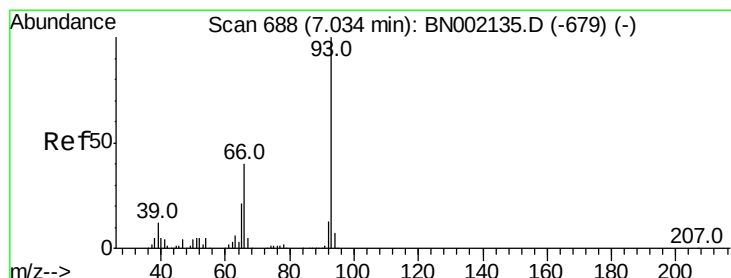
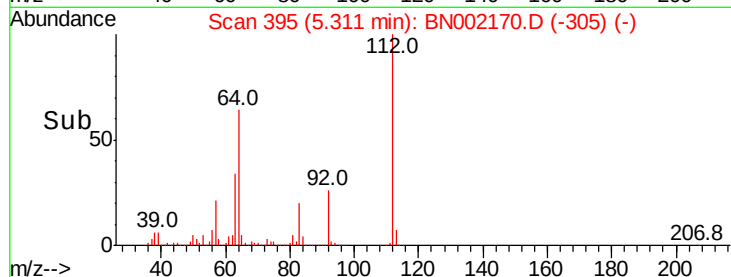
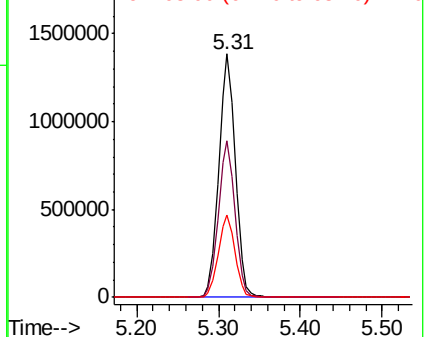
63 33.8 30.1 45.1



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: 50.156 ng

RT: 7.13 min Scan# 704

Delta R.T. 0.09 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

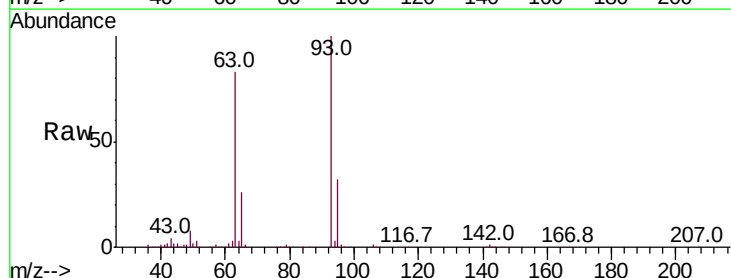
Tgt Ion: 93 Resp: 1159402

Ion Ratio Lower Upper

93 100

66 0.5 33.7 50.5#

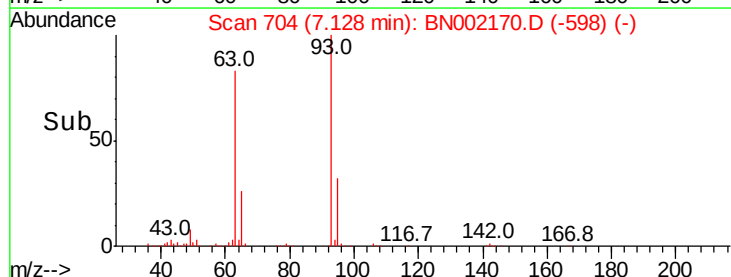
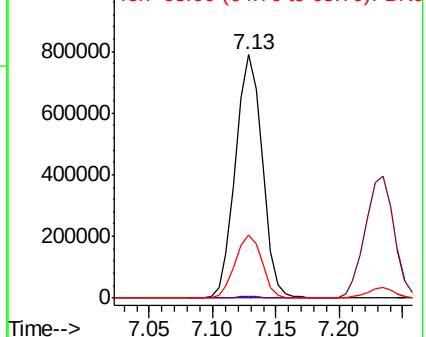
65 25.8 16.1 24.1#

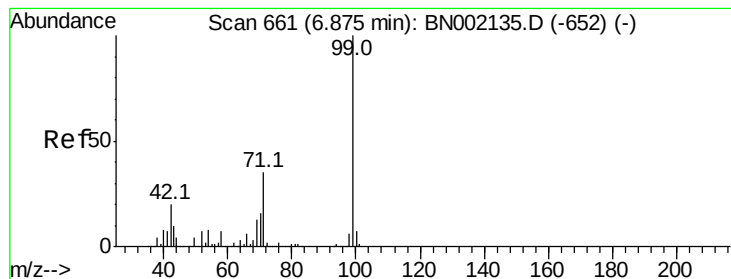


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 66.00 (65.70 to 66.70): BNC

Ion 65.00 (64.70 to 65.70): BNC





#7

Phenol-d6

Concen: 139.163 ng

RT: 6.88 min Scan# 662

Delta R.T. 0.01 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

Instrument :

BNA_N

ClientSampleId :

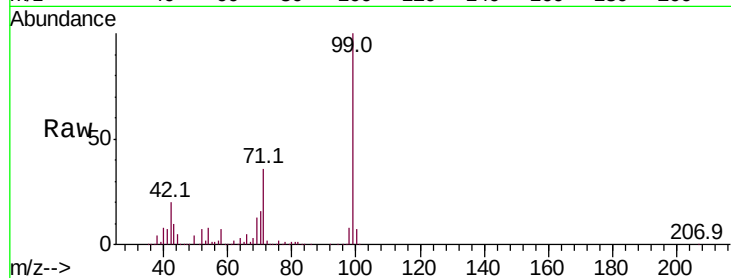
Tot Ion: 99 Resp: 2633436

Ion Ratio Lower Upper

99 100

42 19.7 14.1 21.1

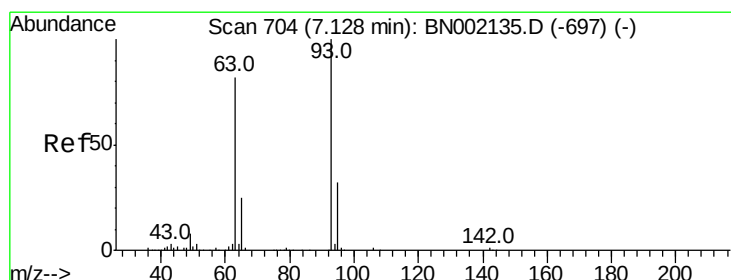
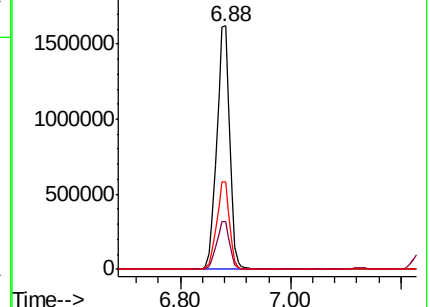
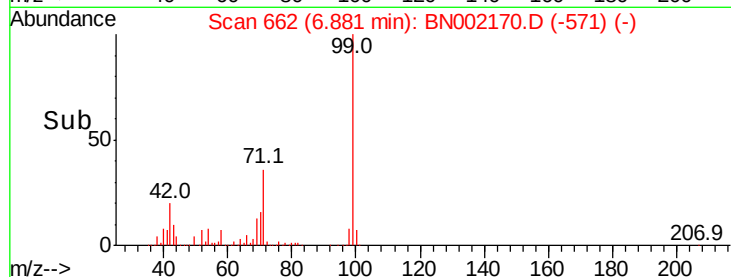
71 35.7 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BN002170.D (-652) (-)

Ion 42.00 (41.70 to 42.70): BN002170.D (-652) (-)

Ion 71.00 (70.70 to 71.70): BN002170.D (-652) (-)



#11

bis(2-Chloroethyl)ether

Concen: 73.436 ng

RT: 7.13 min Scan# 704

Delta R.T. 0.00 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

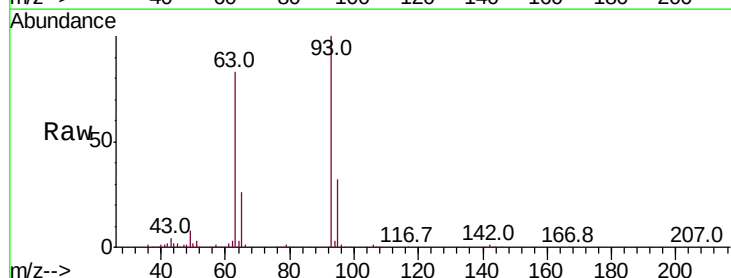
Tgt Ion: 93 Resp: 1159402

Ion Ratio Lower Upper

93 100

63 83.0 67.1 107.1

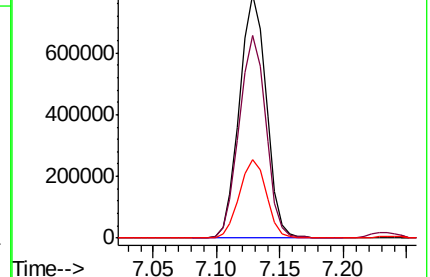
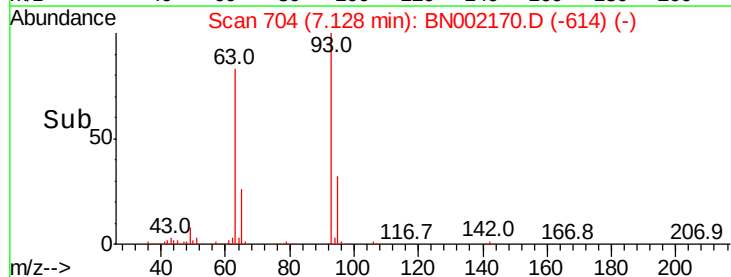
95 32.1 11.5 51.5

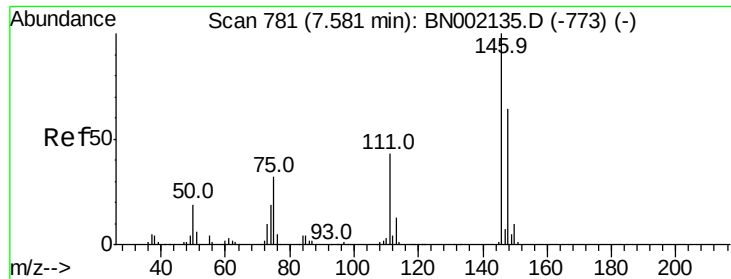


Abundance Ion 93.00 (92.70 to 93.70): BN002170.D (-614) (-)

Ion 63.00 (62.70 to 63.70): BN002170.D (-614) (-)

Ion 95.00 (94.70 to 95.70): BN002170.D (-614) (-)

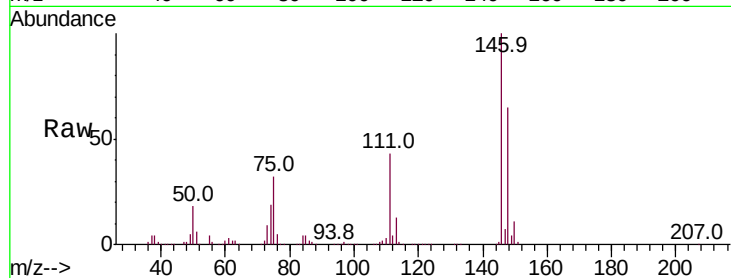




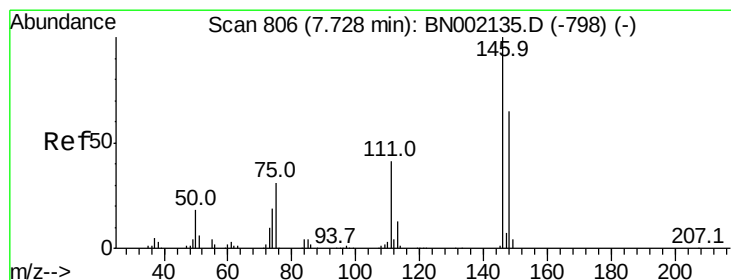
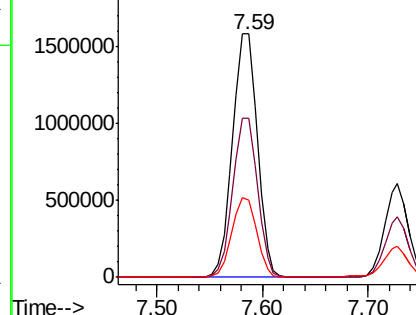
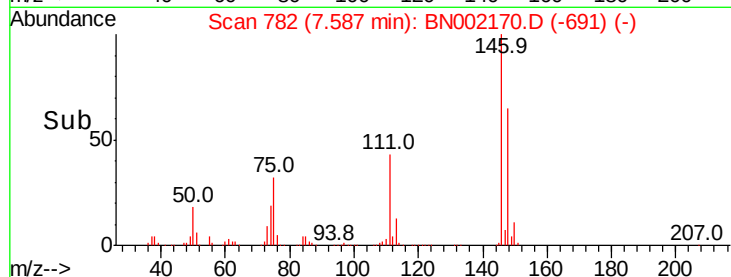
#12
 1,3-Dichlorobenzene
 Concen: 144.321 ng
 RT: 7.59 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: BN002170.D
 Acq: 26 Jul 2018 11:55

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:146 Resp: 2572146
 Ion Ratio Lower Upper
 146 100
 148 65.3 51.4 77.2
 75 31.5 26.6 39.8

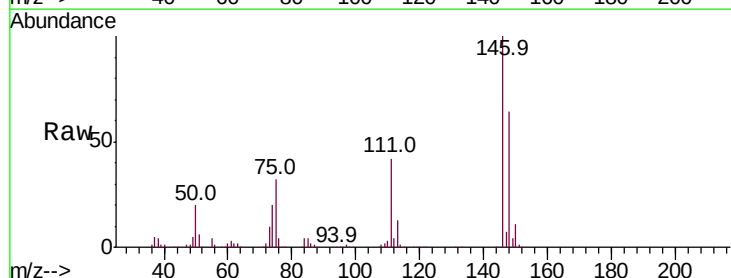


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BNO

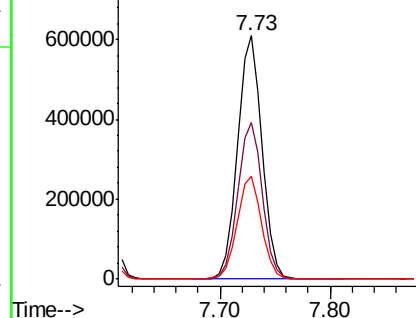
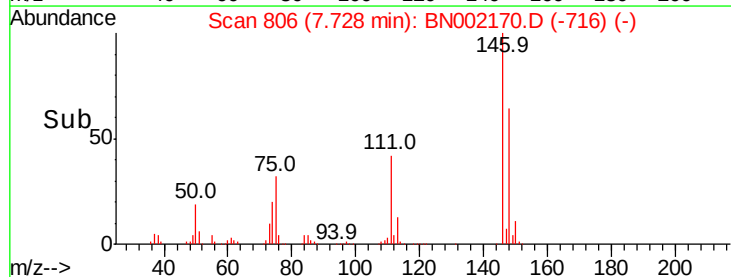


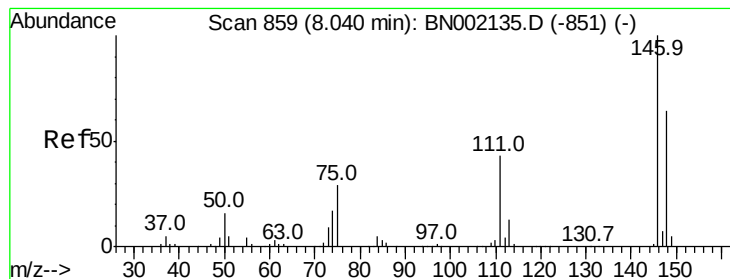
#13
 1,4-Dichlorobenzene
 Concen: 51.889 ng
 RT: 7.73 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: BN002170.D
 Acq: 26 Jul 2018 11:55

Tgt Ion:146 Resp: 946080
 Ion Ratio Lower Upper
 146 100
 148 64.3 53.7 80.5
 111 42.5 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





#14

1,2-Dichlorobenzene

Concen: 53.788 ng

RT: 7.73 min Scan# 806

Delta R.T. -0.31 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

Instrument :

BNA_N

ClientSampleId :

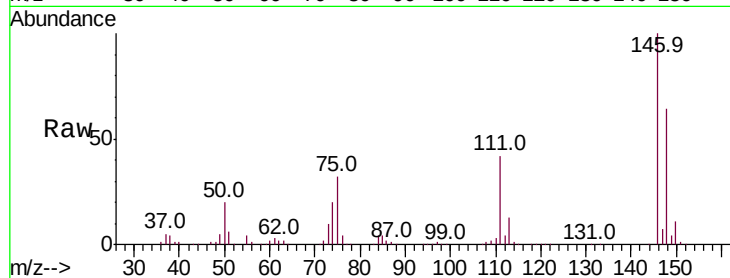
Tot Ion:146 Resp: 946080

Ion Ratio Lower Upper

146 100

148 64.3 49.3 73.9

111 42.5 34.3 51.5

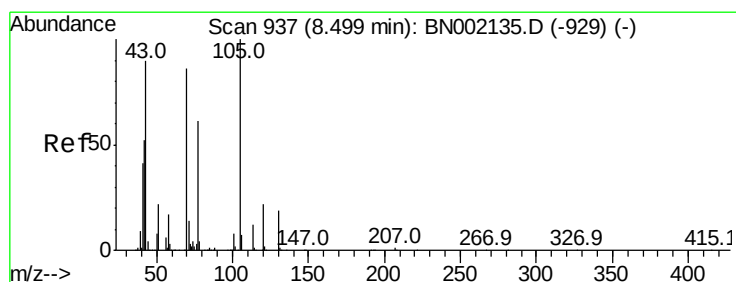
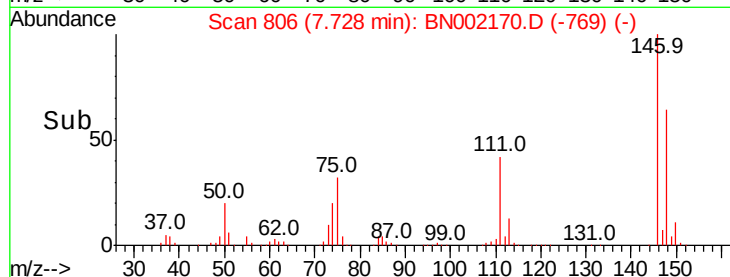
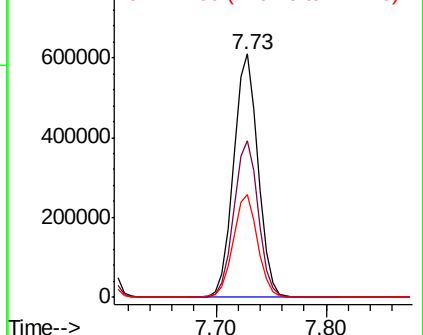


Abundance

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: 16.385 ng

RT: 8.85 min Scan# 996

Delta R.T. 0.35 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

Tgt Ion: 70 Resp: 224897

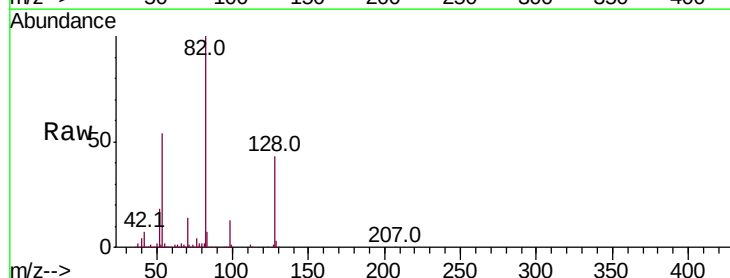
Ion Ratio Lower Upper

70 100

42 48.6 49.1 73.7#

101 0.0 8.5 12.7#

130 1.7 13.4 20.0#



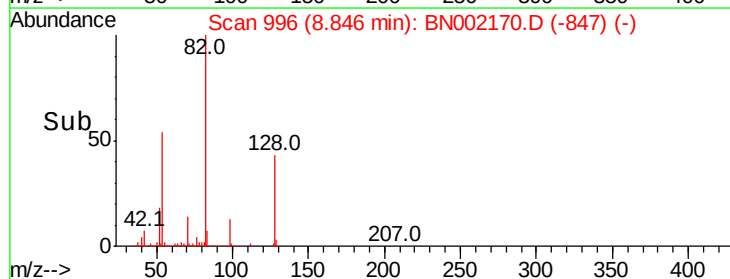
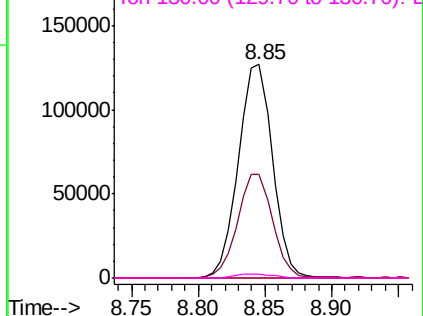
Abundance

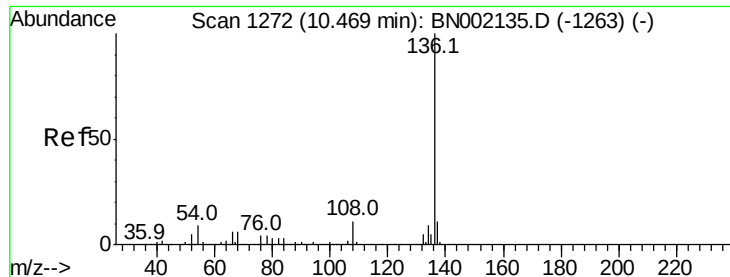
Ion 70.00 (69.70 to 70.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 101.00 (100.70 to 101.70): BNC

Ion 130.00 (129.70 to 130.70): BNC

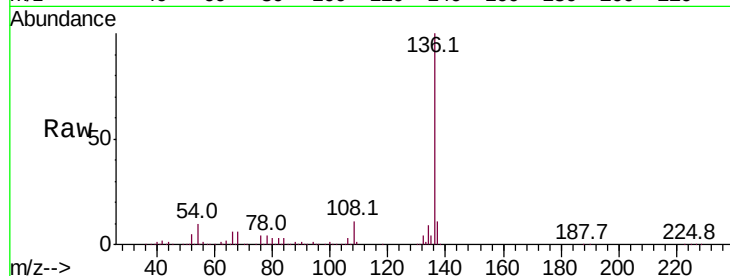




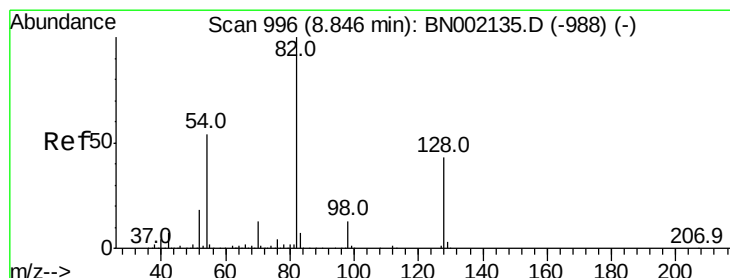
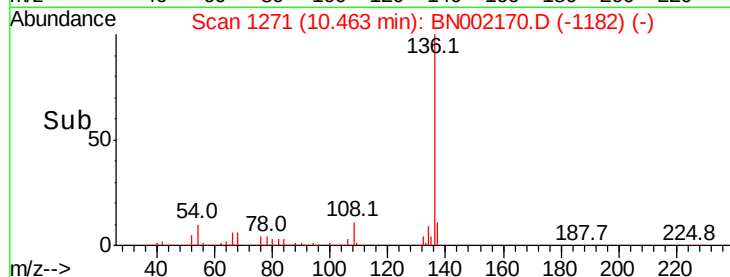
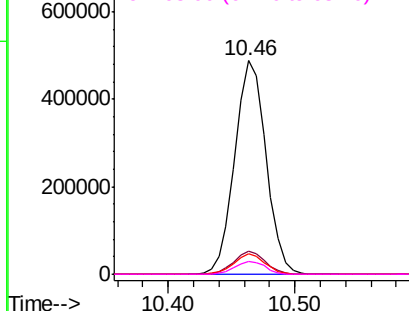
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Instrument :
BNA_N
ClientSampleId :

Tot Ion:136	Resp:	832986
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.2 13.8
54	9.8	10.3 15.5#
68	5.7	4.5 6.7

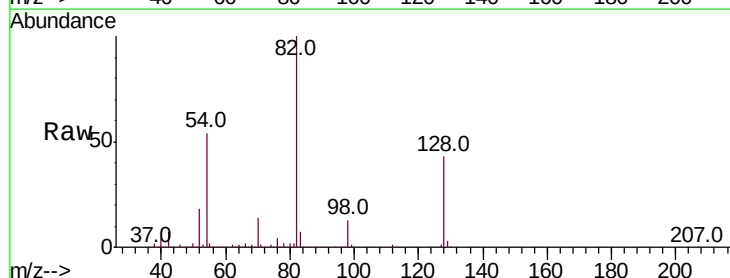


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

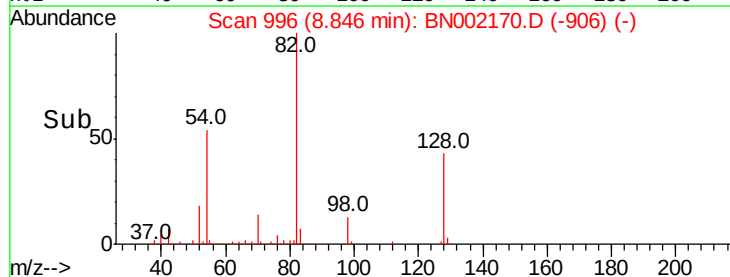
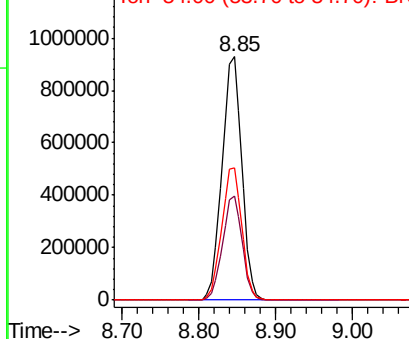


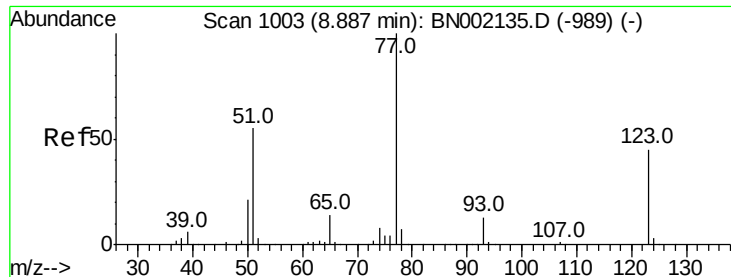
#23
Nitrobenzene-d5
Concen: 102.290 ng
RT: 8.85 min Scan# 996
Delta R.T. 0.00 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Tgt Ion: 82	Resp:	1661477
Ion Ratio	Lower	Upper
82	100	
128	43.0	29.7 44.5
54	54.4	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

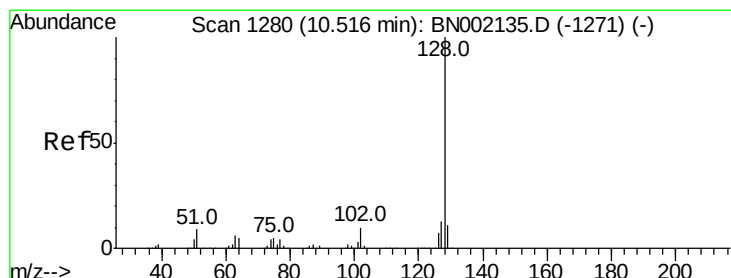
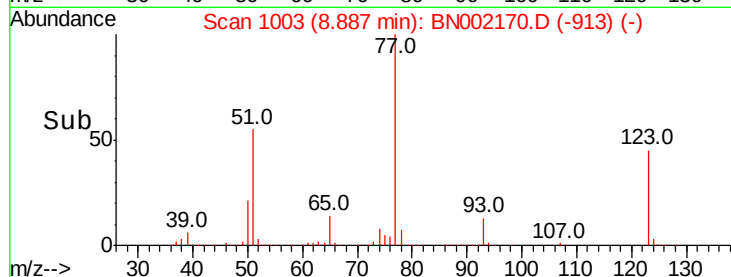
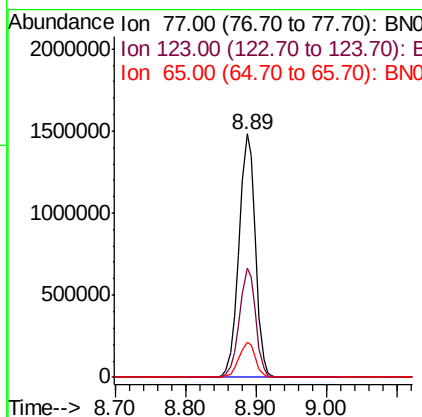
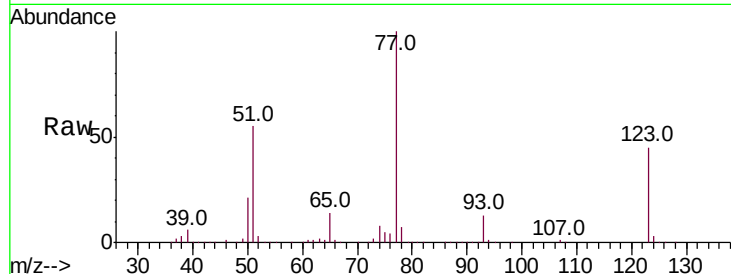




#24
Nitrobenzene
Concen: 142.171 ng
RT: 8.89 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

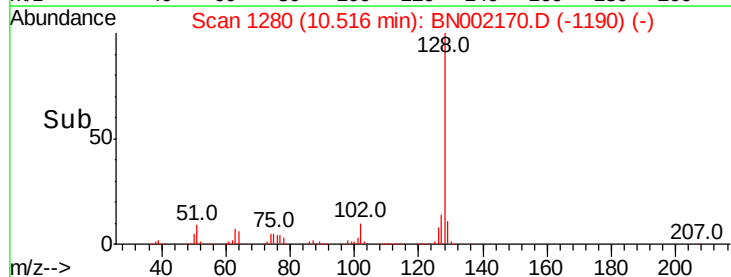
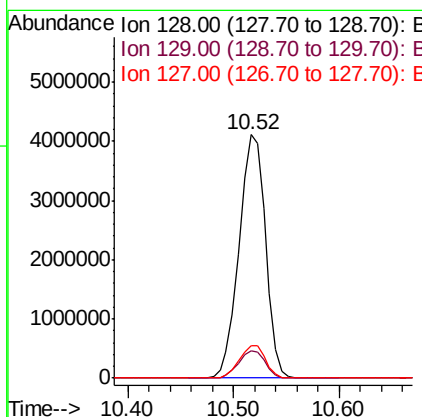
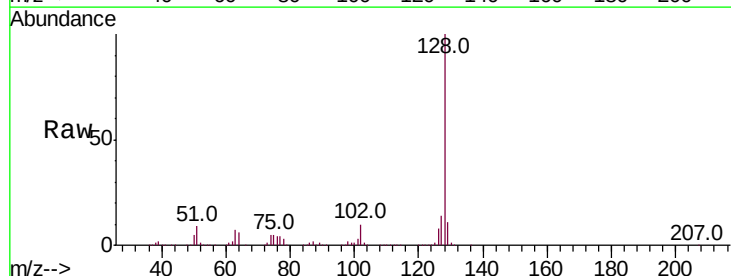
Instrument :
BNA_N
ClientSampleId :

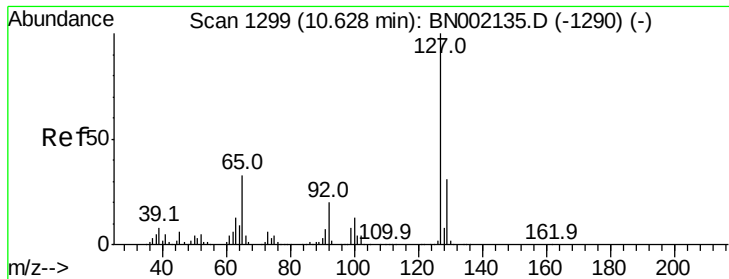
Tot Ion: 77 Resp: 2393252
Ion Ratio Lower Upper
77 100
123 44.8 33.0 49.6
65 14.2 13.0 19.6



#31
Naphthalene
Concen: 169.442 ng
RT: 10.52 min Scan# 1280
Delta R.T. 0.00 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Tgt Ion:128 Resp: 7123291
Ion Ratio Lower Upper
128 100
129 11.3 8.6 12.8
127 13.5 11.6 17.4

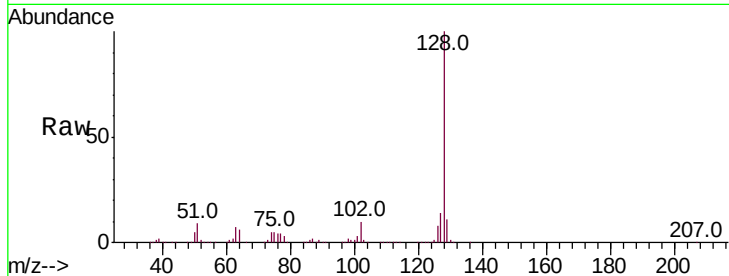




#33
4-Chloroaniline
Concen: 50.956 ng
RT: 10.52 min Scan# 1280
Delta R.T. -0.11 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
127	100		
129	83.7	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#



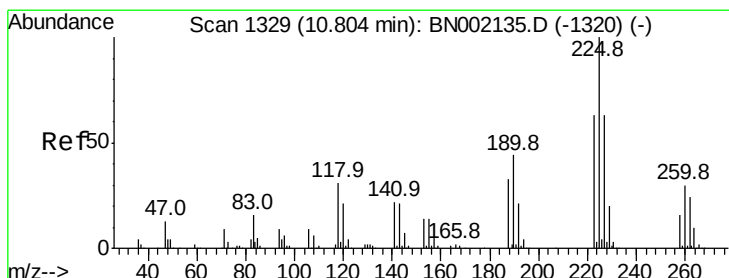
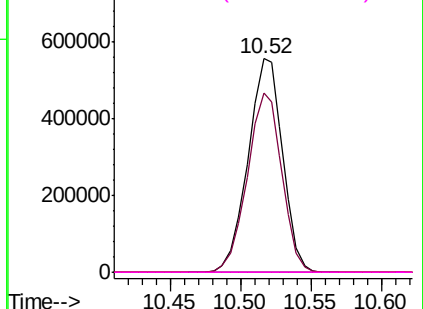
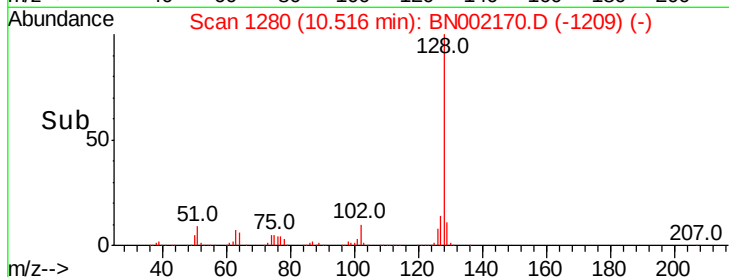
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

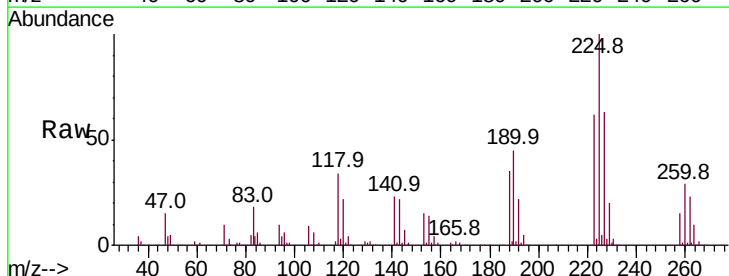
Ion 65.00 (64.70 to 65.70): BNC

Ion 92.00 (91.70 to 92.70): BNC



#34
Hexachlorobutadiene
Concen: 129.270 ng
RT: 10.80 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.7	74.5
227	62.6	48.1	72.1

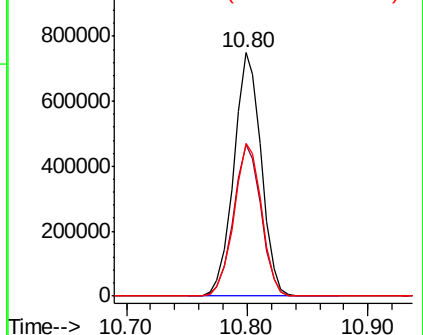
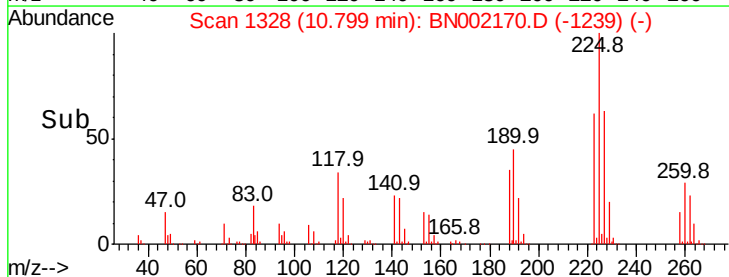


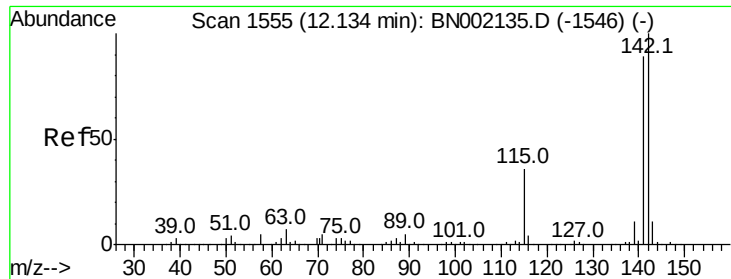
Abundance

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

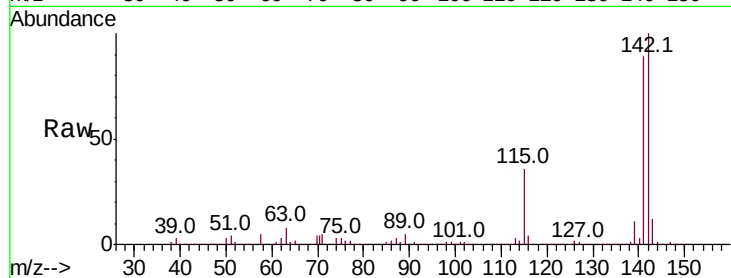




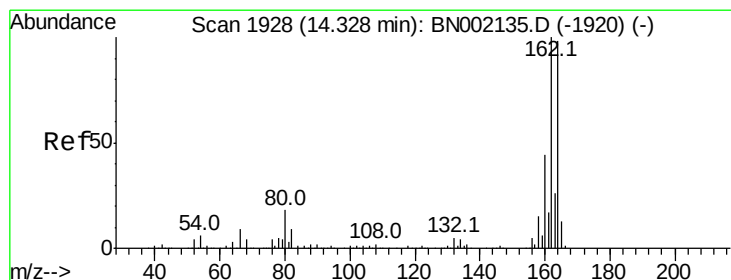
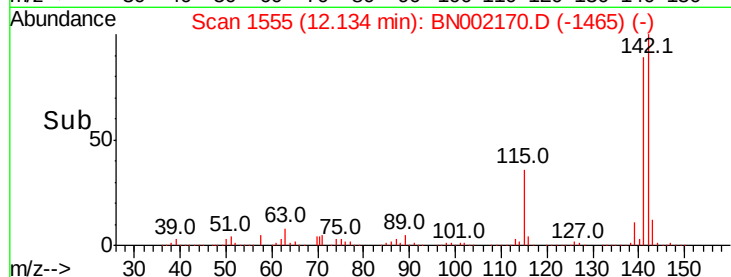
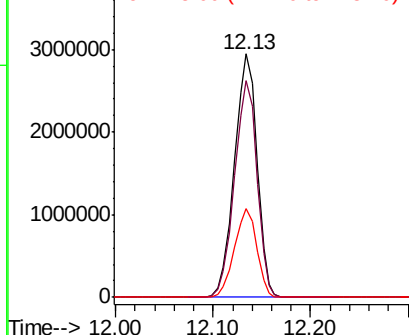
#37
2-Methylnaphthalene
Concen: 160.043 ng
RT: 12.13 min Scan# 1555
Delta R.T. 0.00 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Instrument :
BNA_N
ClientSampleId :

Tot Ion:142 Resp: 4745174
Ion Ratio Lower Upper
142 100
141 88.8 67.1 100.7
115 36.2 30.7 46.1

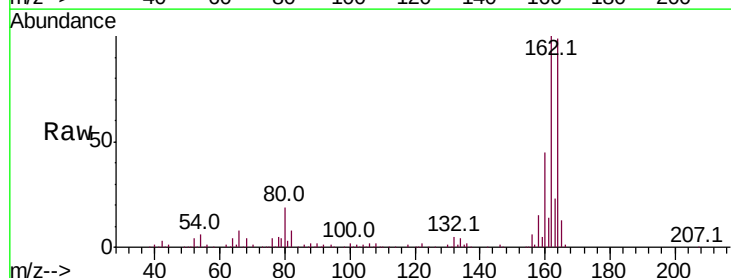


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

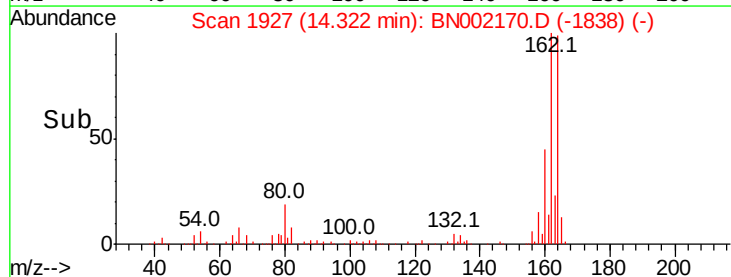
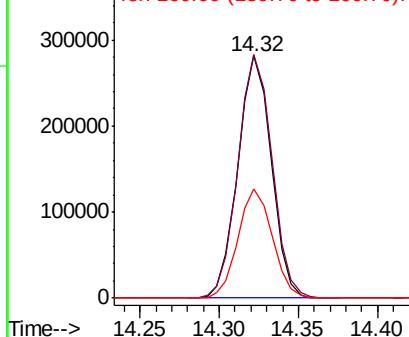


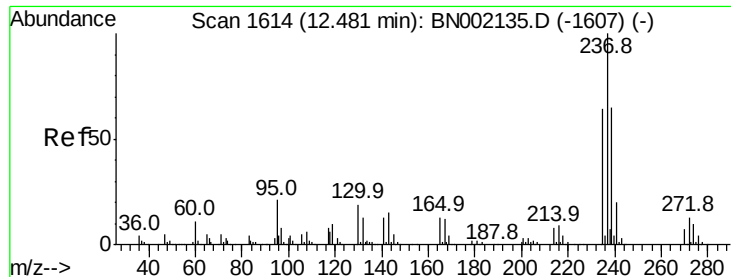
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1927
Delta R.T. -0.01 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Tgt Ion:164 Resp: 412265
Ion Ratio Lower Upper
164 100
162 100.6 78.8 118.2
160 45.4 35.4 53.0



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

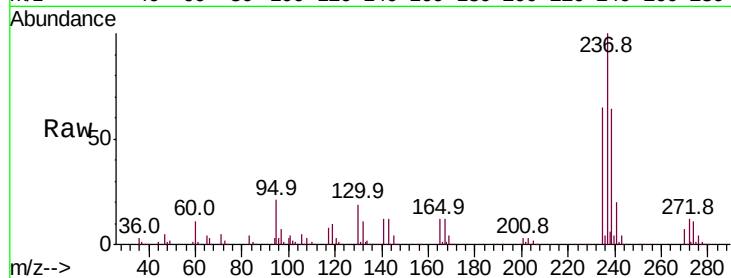




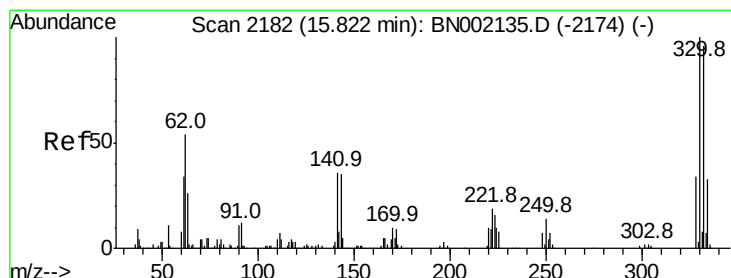
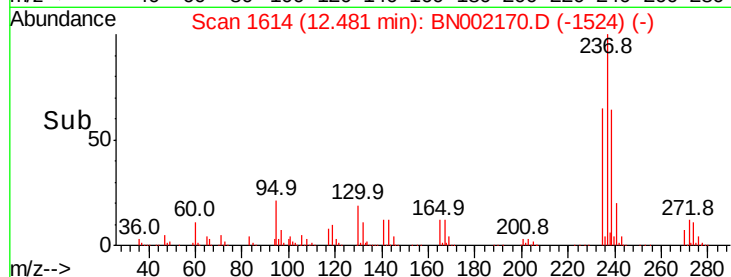
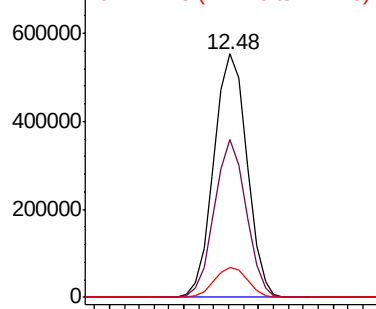
#40
Hexachlorocyclopentadiene
Concen: 108.477 ng
RT: 12.48 min Scan# 1614
Delta R.T. 0.00 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
237	100		
235	64.8	50.4	90.4
272	12.2	0.0	31.8

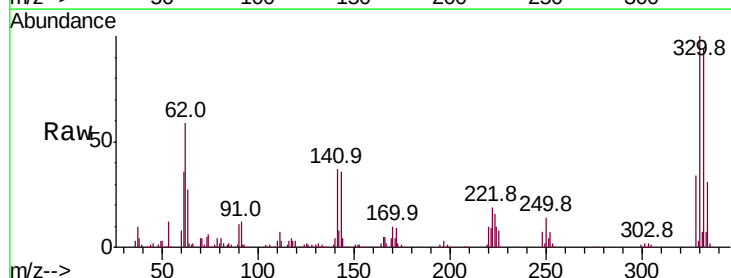


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

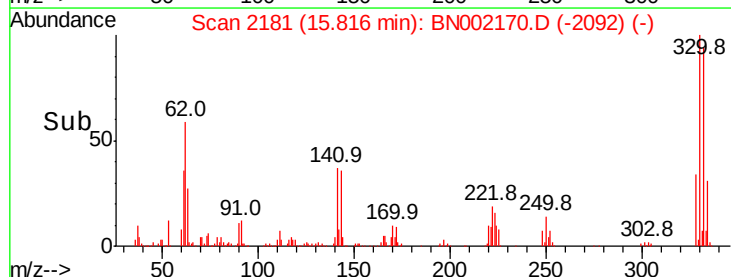
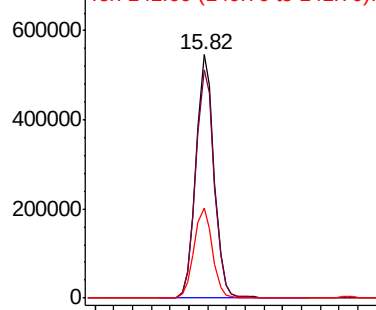


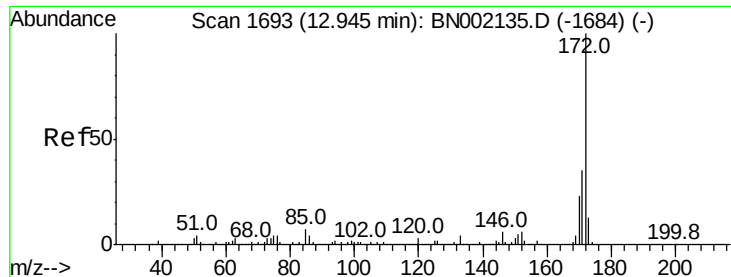
#41
2,4,6-Tribromophenol
Concen: 137.347 ng
RT: 15.82 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	37.9	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

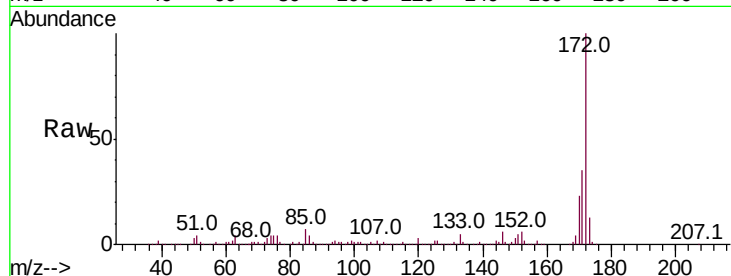




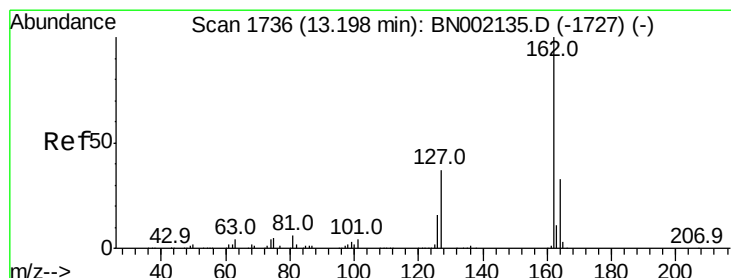
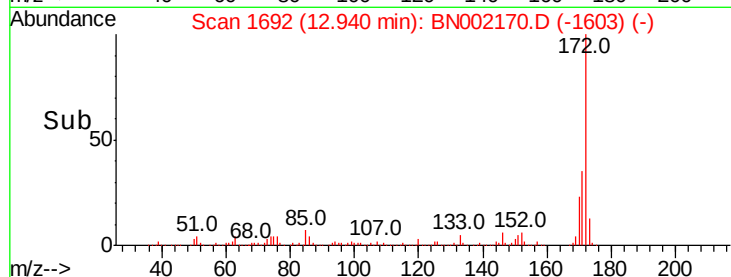
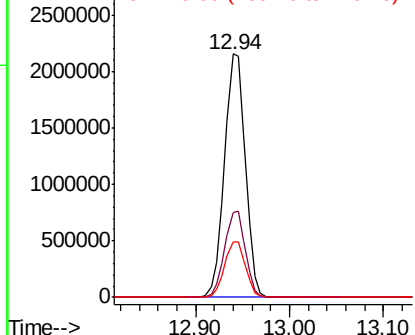
#44
2-Fluorobiphenyl
Concen: 105.046 ng
RT: 12.94 min Scan# 1692
Delta R.T. -0.01 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Instrument :
BNA_N
ClientSampled :

Tot Ion:172 Resp: 3324889
Ion Ratio Lower Upper
172 100
171 35.1 30.0 45.0
170 23.0 19.5 29.3

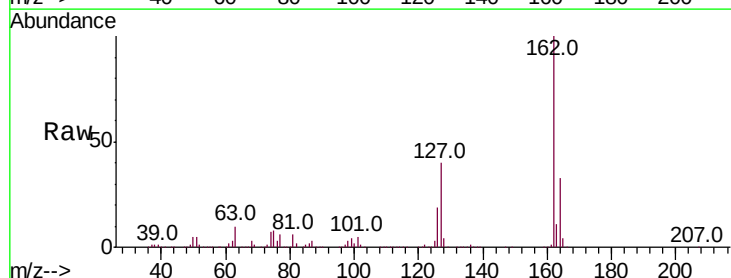


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

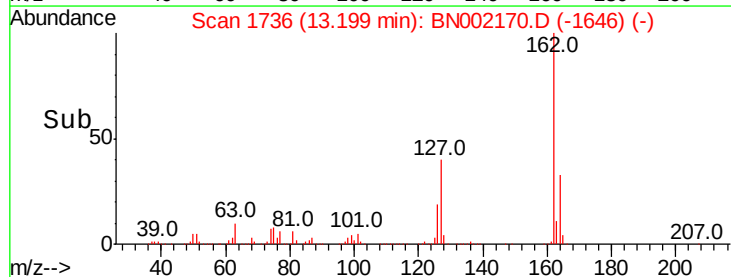
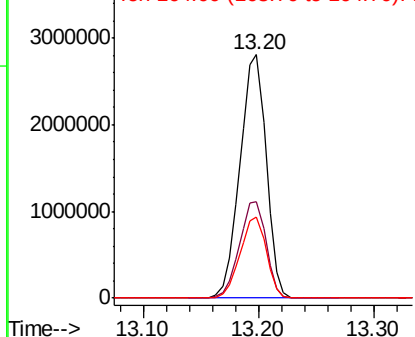


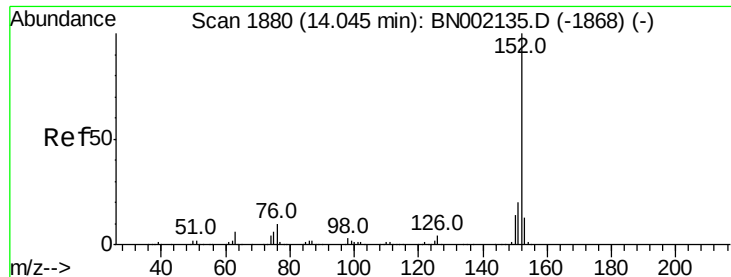
#46
2-Chloronaphthalene
Concen: 158.181 ng
RT: 13.20 min Scan# 1736
Delta R.T. 0.00 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Tgt Ion:162 Resp: 4429421
Ion Ratio Lower Upper
162 100
127 39.5 30.7 46.1
164 33.4 26.0 39.0



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 105.988 ng

RT: 14.05 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

Instrument :

BNA_N

ClientSampleId :

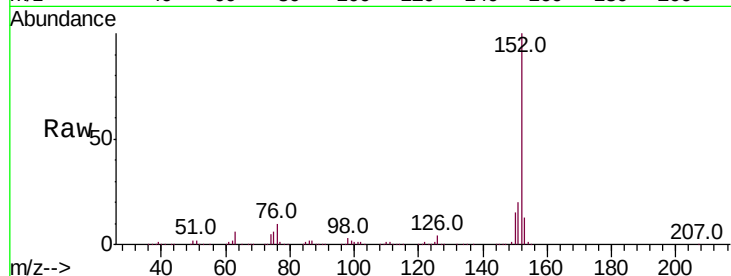
Tot Ion:152 Resp: 4503745

Ion Ratio Lower Upper

152 100

151 20.3 17.2 25.8

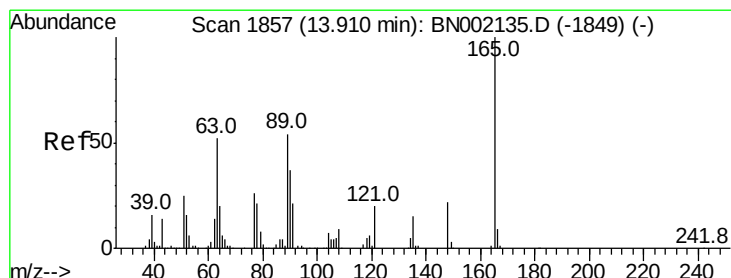
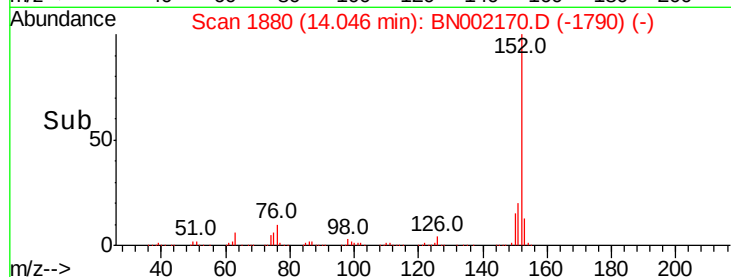
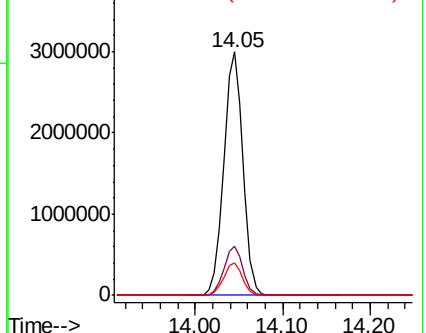
153 13.3 10.2 15.4



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: 132.949 ng

RT: 13.91 min Scan# 1857

Delta R.T. 0.00 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

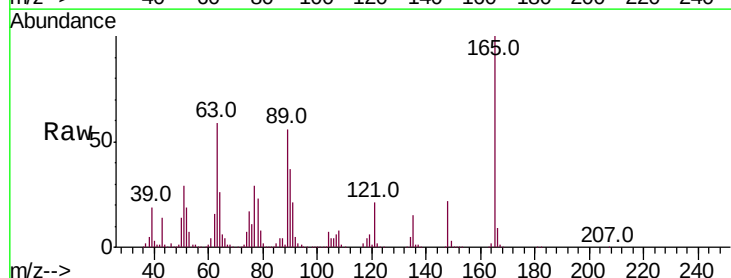
Tgt Ion:165 Resp: 1011501

Ion Ratio Lower Upper

165 100

63 59.4 52.7 79.1

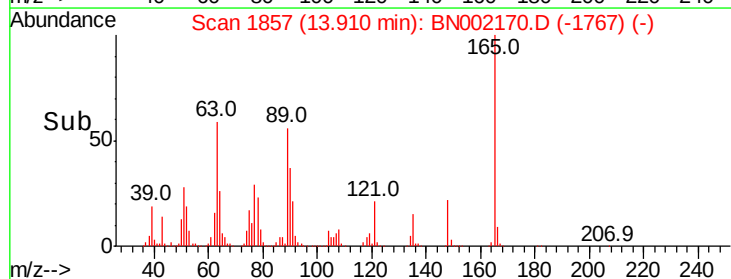
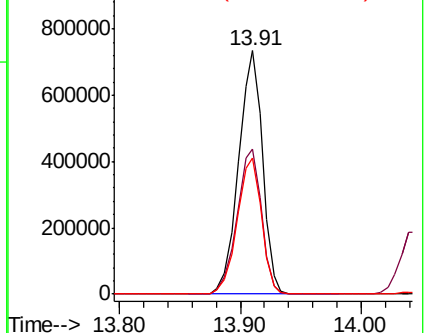
89 56.1 49.2 73.8

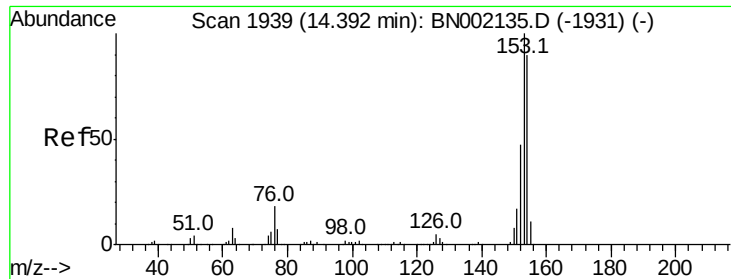


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC





#51

Acenaphthene

Concen: 51.668 ng

RT: 14.39 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

Instrument :

BNA_N

ClientSampled :

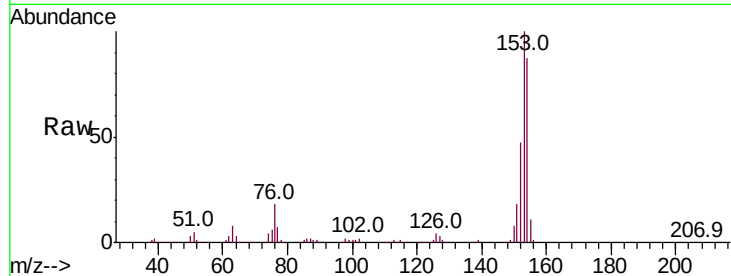
Tot Ion:154 Resp: 1322493

Ion Ratio Lower Upper

154 100

153 114.5 90.4 135.6

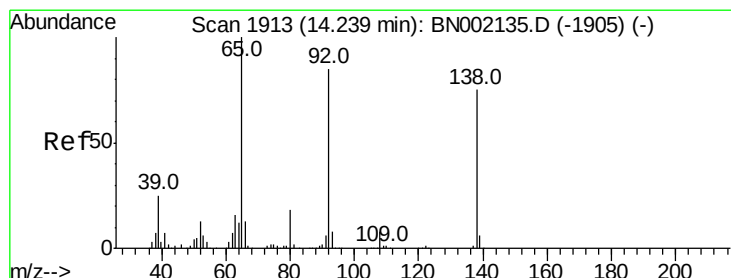
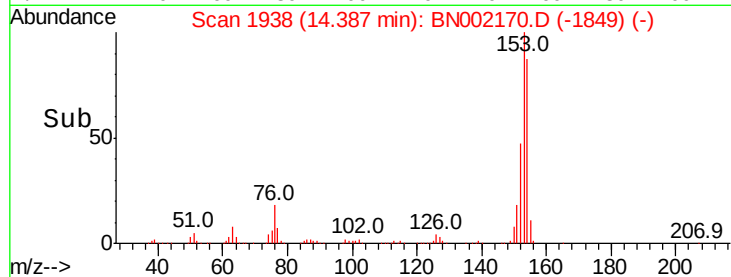
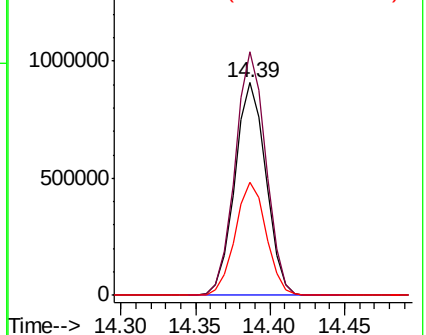
152 53.4 41.6 62.4



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



#52

3-Nitroaniline

Concen: 8.925 ng

RT: 14.73 min Scan# 1996

Delta R.T. 0.49 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

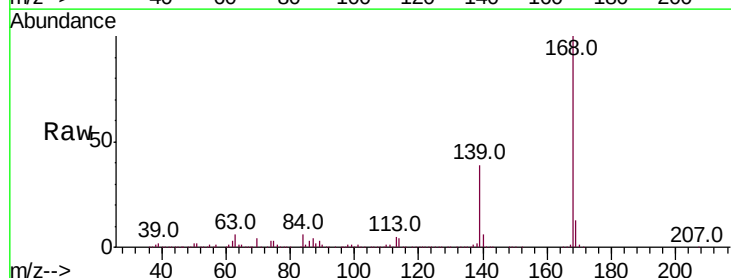
Tgt Ion:138 Resp: 73572

Ion Ratio Lower Upper

138 100

108 3.4 17.5 26.3#

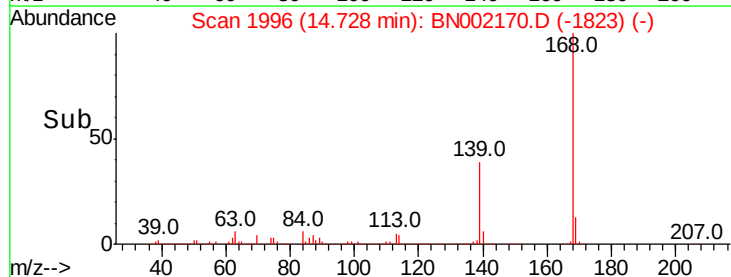
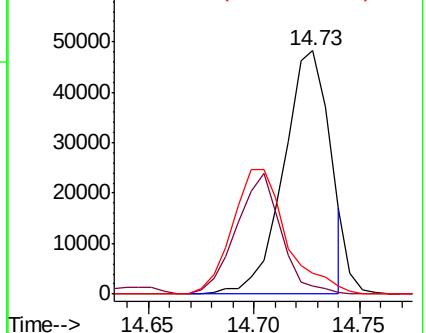
92 8.5 105.8 158.8#

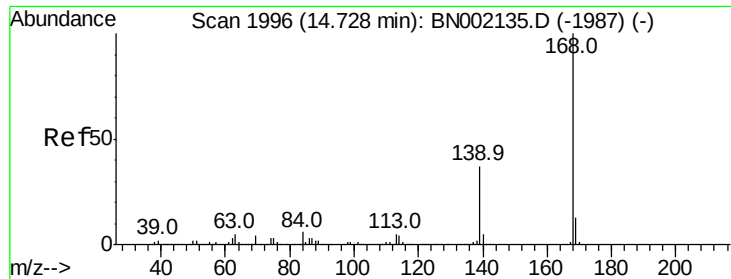


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNO





#54

Dibenzenofuran

Concen: 105.600 ng

RT: 14.73 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

Instrument :

BNA_N

ClientSampleId :

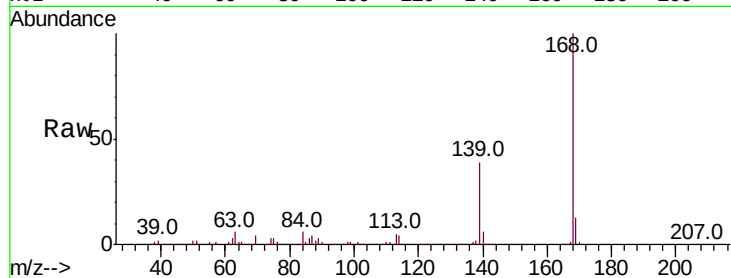
Tot Ion:168 Resp: 4382335

Ion Ratio Lower Upper

168 100

139 39.2 28.6 43.0

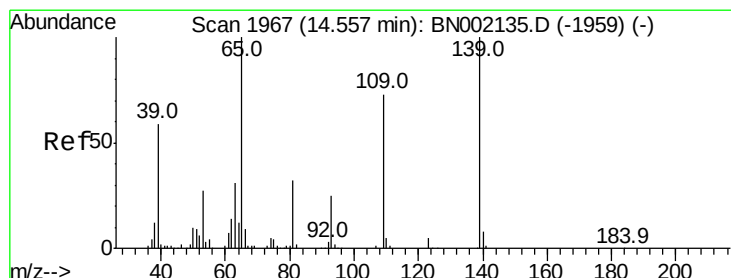
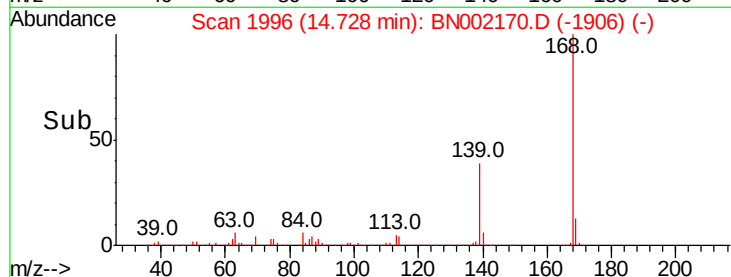
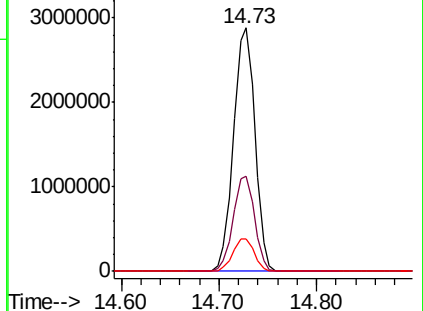
169 13.5 11.2 16.8



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: 269.353 ng

RT: 14.73 min Scan# 1996

Delta R.T. 0.17 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

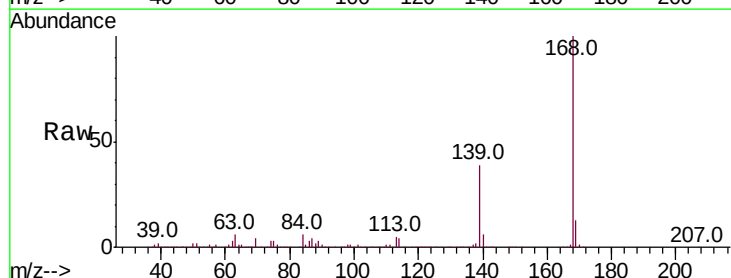
Tgt Ion:139 Resp: 1704661

Ion Ratio Lower Upper

139 100

109 0.8 62.2 102.2#

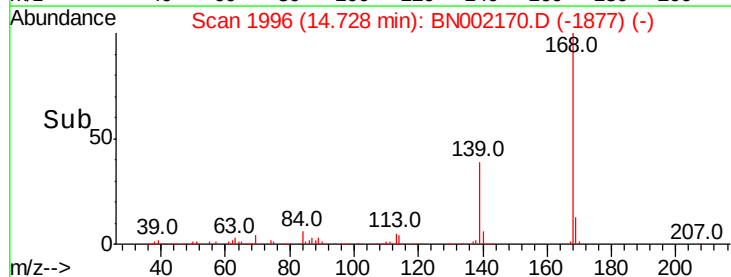
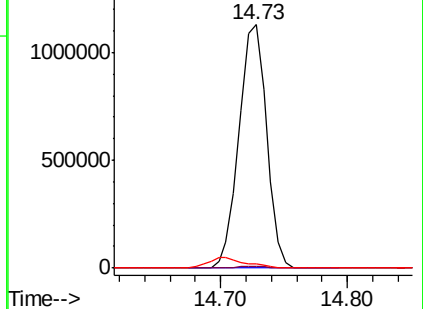
65 1.5 97.2 137.2#

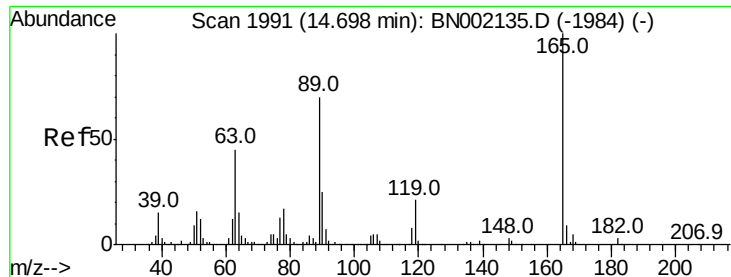


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BNO

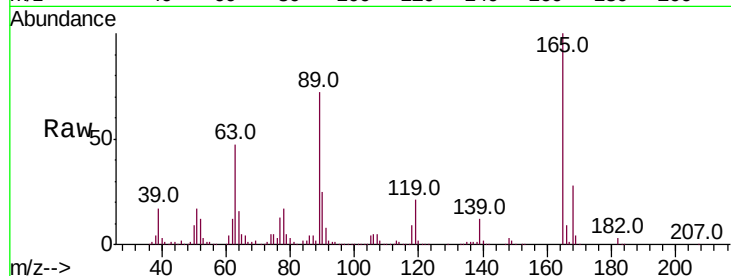




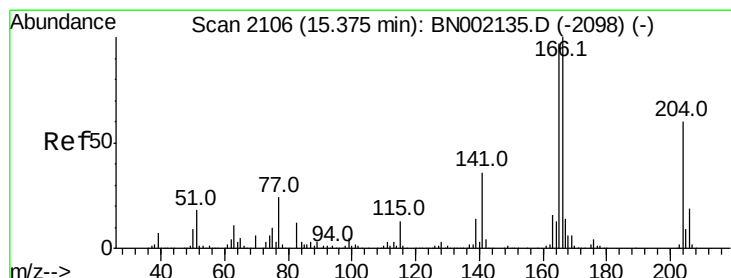
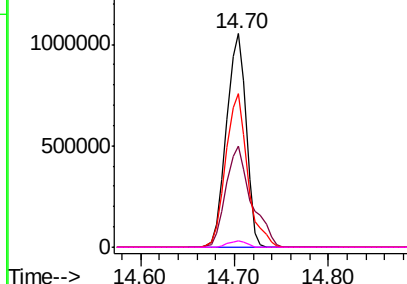
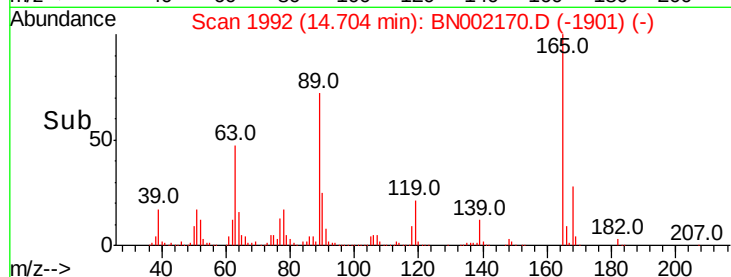
#56
2,4-Dinitrotoluene
Concen: 148.472 ng
RT: 14.70 min Scan# 1992
Delta R.T. 0.01 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Instrument :
BNA_N
ClientSampleId :

Tot Ion:165 Resp: 1533072
Ion Ratio Lower Upper
165 100
63 47.4 42.0 63.0
89 71.7 66.9 100.3
182 3.0 2.6 3.8

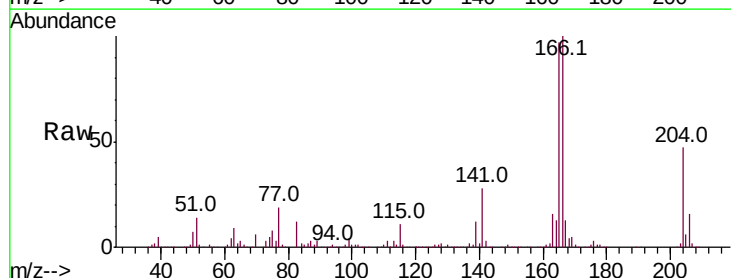


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BNC
Ion 89.00 (88.70 to 89.70): BNC
Ion 182.00 (181.70 to 182.70): E

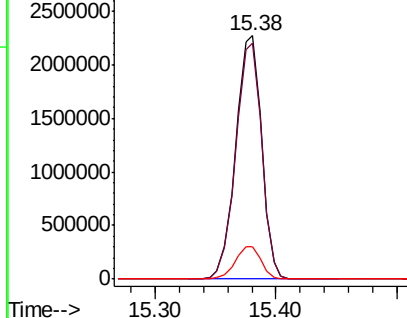
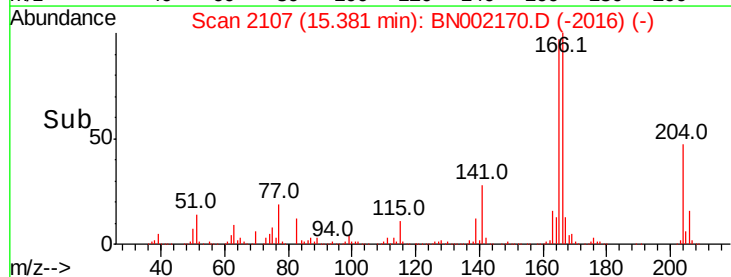


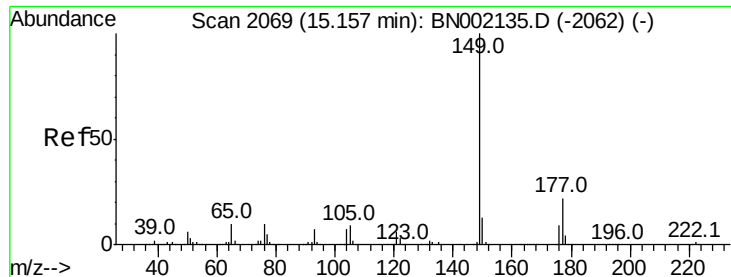
#57
Fluorene
Concen: 108.361 ng
RT: 15.38 min Scan# 2107
Delta R.T. 0.01 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Tgt Ion:166 Resp: 3389422
Ion Ratio Lower Upper
166 100
165 97.1 80.6 121.0
167 13.3 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

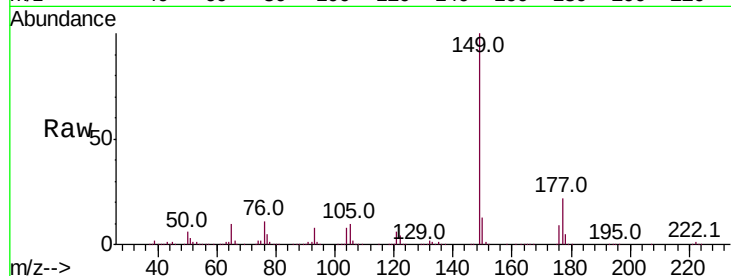




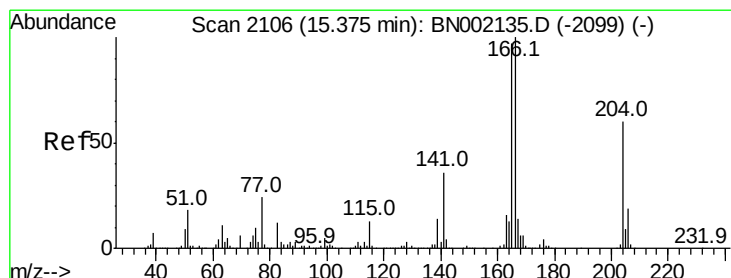
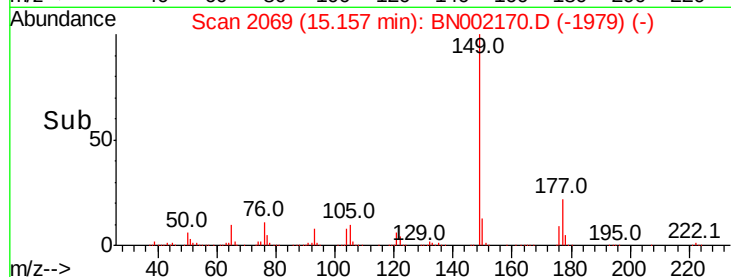
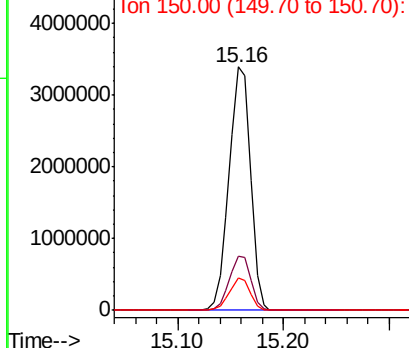
#59
Diethylphthalate
Concen: 135.616 ng
RT: 15.16 min Scan# 2069
Delta R.T. 0.00 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Instrument :
BNA_N
ClientSampled :

Tot Ion:149 Resp: 4727012
Ion Ratio Lower Upper
149 100
177 22.3 18.5 27.7
150 13.1 10.2 15.2

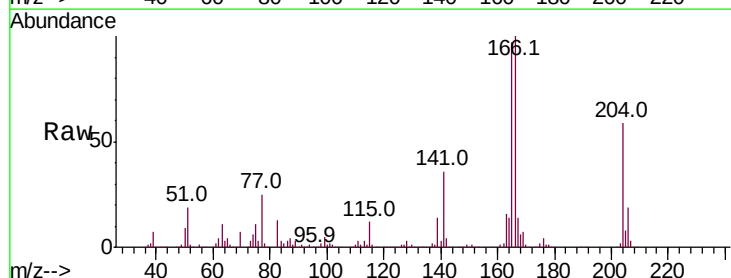


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

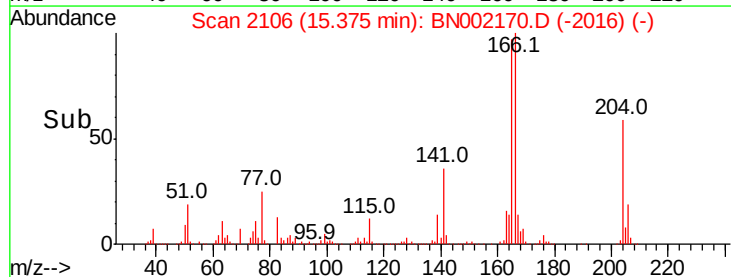
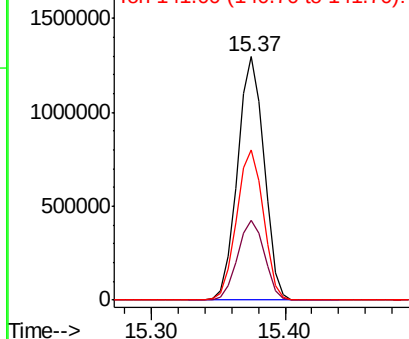


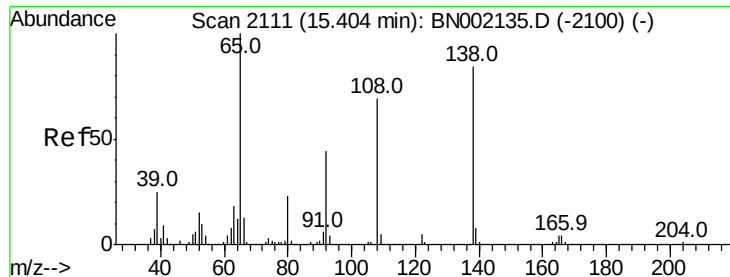
#60
4-Chlorophenyl-phenylether
Concen: 102.951 ng
RT: 15.37 min Scan# 2106
Delta R.T. 0.00 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Tgt Ion:204 Resp: 1781883
Ion Ratio Lower Upper
204 100
206 32.8 26.2 39.2
141 61.8 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

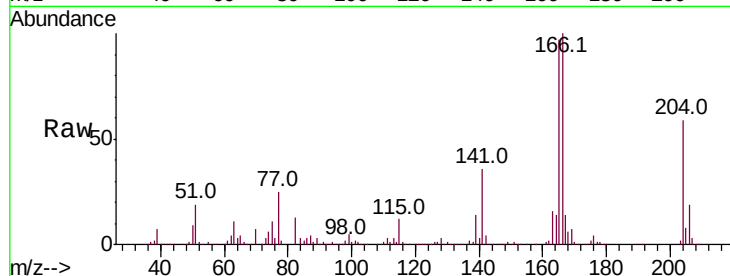




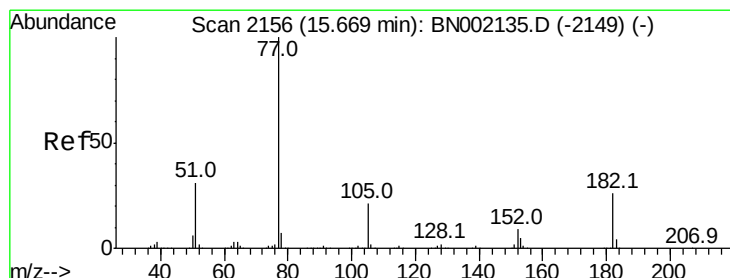
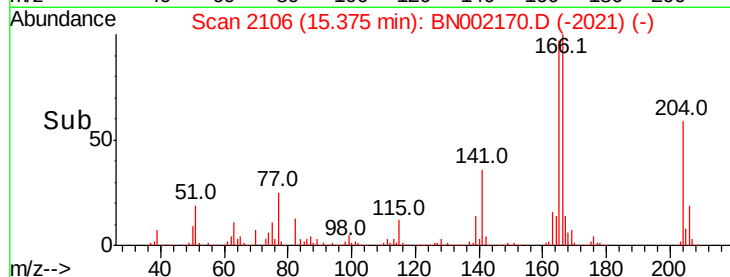
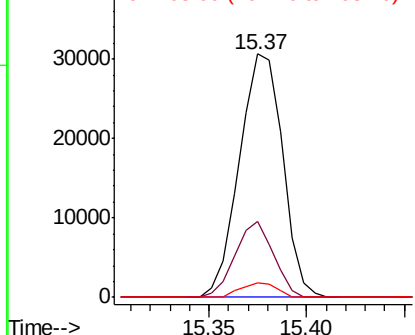
#61
4-Nitroaniline
Concen: 5.590 ng
RT: 15.37 min Scan# 2106
Delta R.T. -0.03 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Instrument :
BNA_N
ClientSampleId :

Tot Ion:138 Resp: 46971
Ion Ratio Lower Upper
138 100
92 31.1 40.1 80.1#
108 5.7 65.4 105.4#

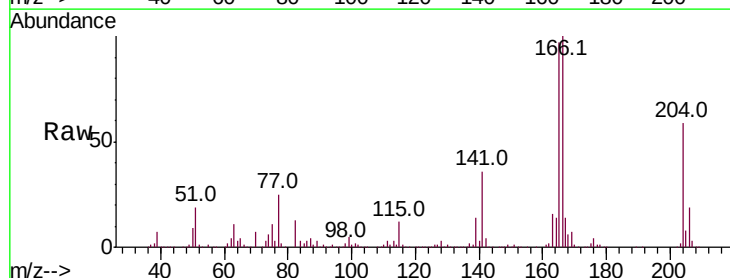


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BNO
Ion 108.00 (107.70 to 108.70): E

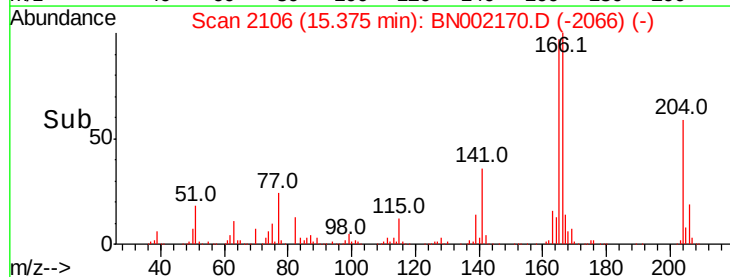
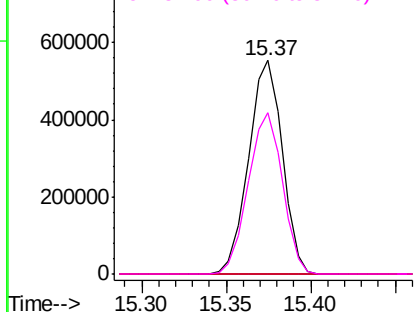


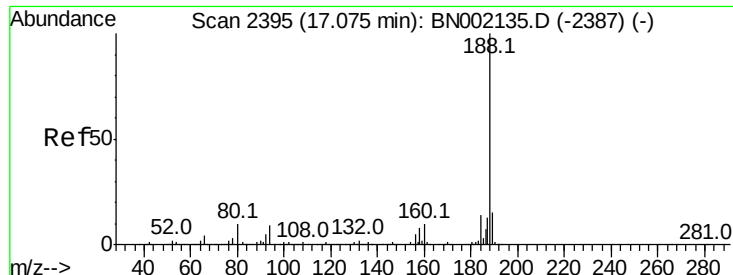
#62
Azobenzene
Concen: 23.022 ng
RT: 15.37 min Scan# 2106
Delta R.T. -0.29 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Tgt Ion: 77 Resp: 769994
Ion Ratio Lower Upper
77 100
182 0.0 7.4 47.4#
105 0.2 0.3 40.3#
51 75.4 11.6 51.6#



Abundance Ion 77.00 (76.70 to 77.70): BNO
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BNO

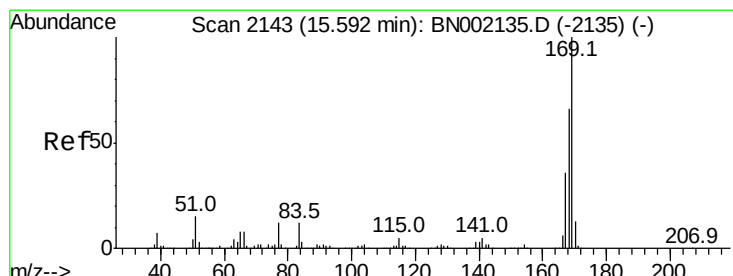
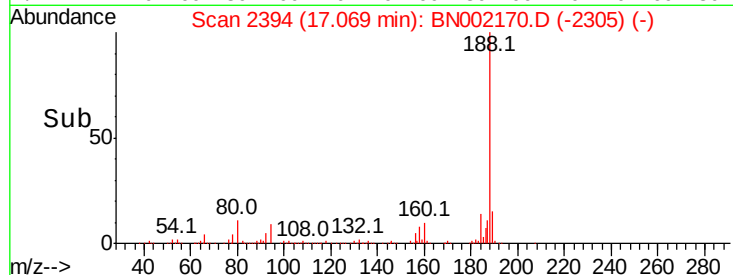
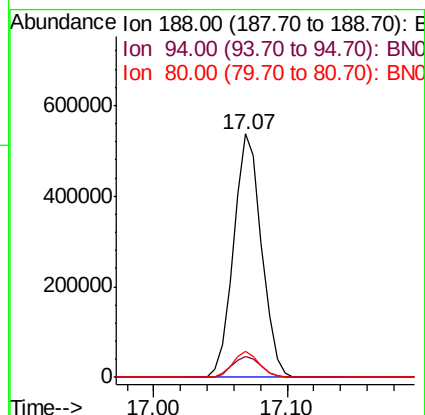
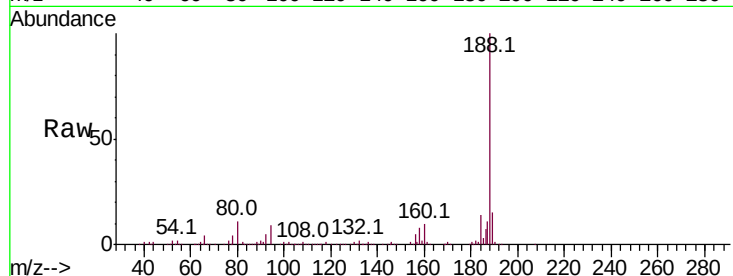




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.07 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

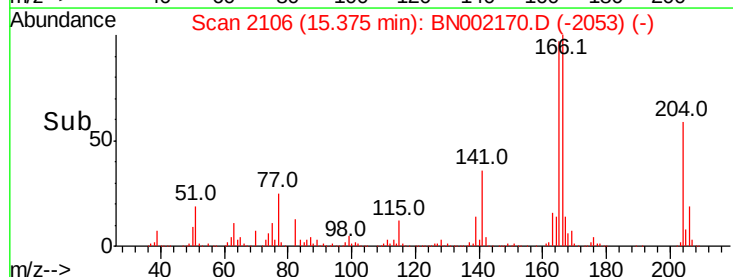
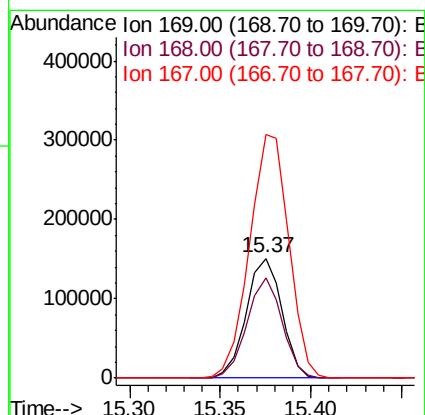
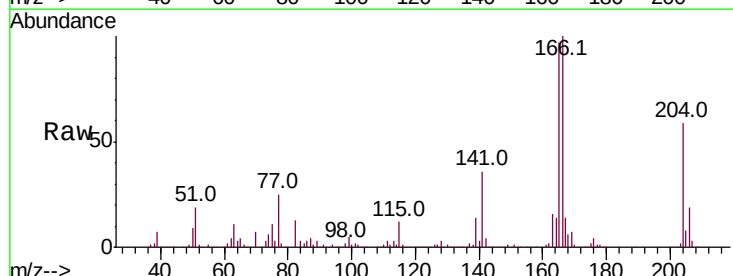
Instrument :
BNA_N
ClientSampleId :

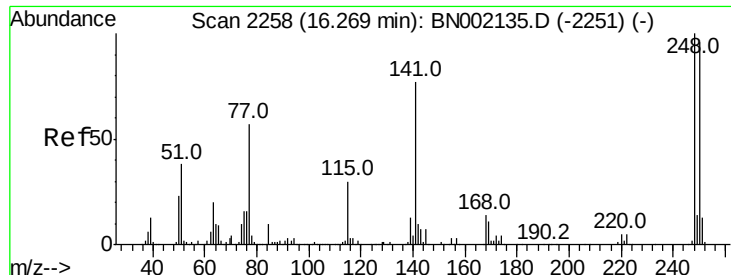
Tot Ion:188 Resp: 781510
Ion Ratio Lower Upper
188 100
94 8.8 6.9 10.3
80 10.6 7.7 11.5



#65
n-Nitrosodiphenylamine
Concen: 7.958 ng
RT: 15.37 min Scan# 2106
Delta R.T. -0.22 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Tgt Ion:169 Resp: 206377
Ion Ratio Lower Upper
169 100
168 84.3 55.7 83.5#
167 203.7 30.1 45.1#

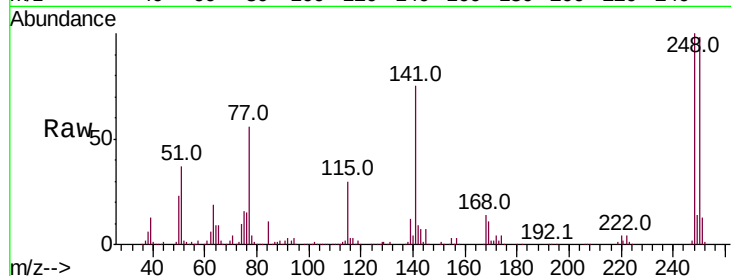




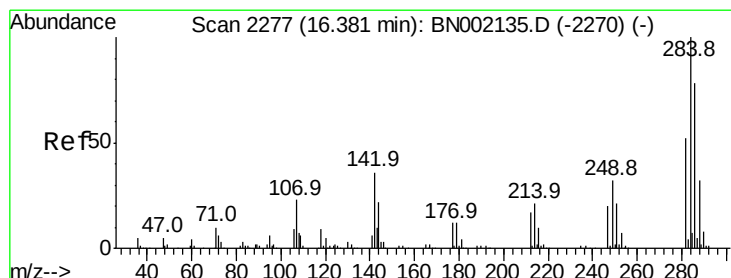
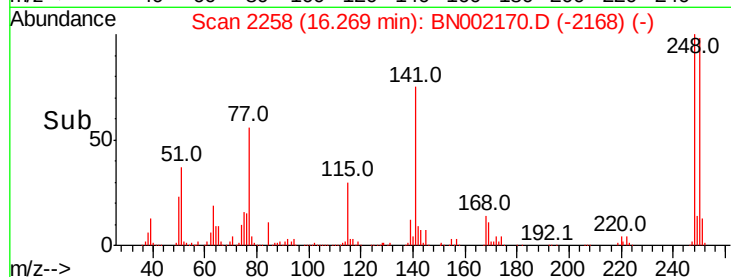
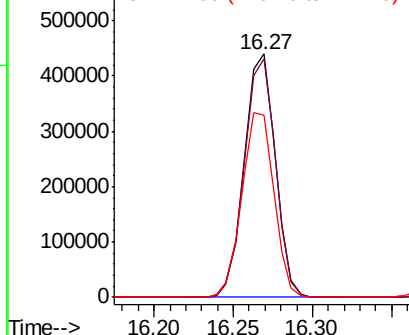
#66
4-Bromophenyl-phenylether
Concen: 65.714 ng
RT: 16.27 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Instrument :
BNA_N
ClientSampleId :

Tot Ion:248 Resp: 601208
Ion Ratio Lower Upper
248 100
250 97.8 77.1 115.7
141 74.9 50.8 76.2

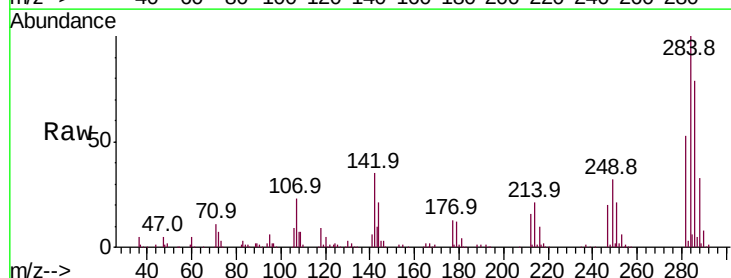


Abundance Ion 248.00 (247.70 to 248.70): E
600000
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

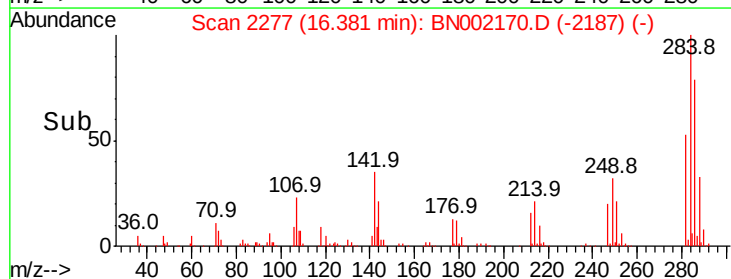
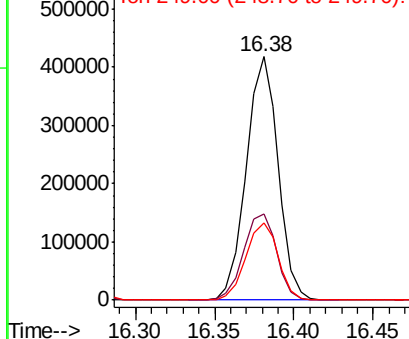


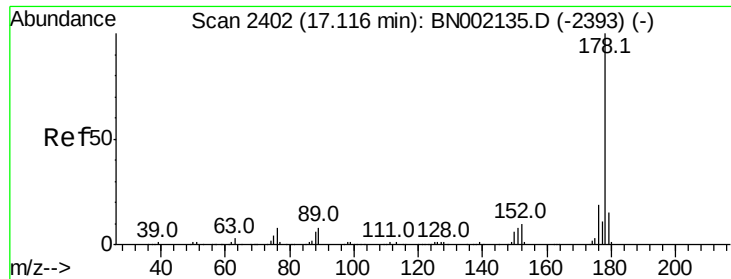
#67
Hexachlorobenzene
Concen: 57.444 ng
RT: 16.38 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Tgt Ion:284 Resp: 581299
Ion Ratio Lower Upper
284 100
142 35.4 26.8 40.2
249 31.9 26.3 39.5



Abundance Ion 283.80 (283.50 to 284.50): E
500000
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#70

Phenanthrene

Concen: 122.971 ng

RT: 17.12 min Scan# 2402

Delta R.T. 0.00 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

Instrument :

BNA_N

ClientSampled :

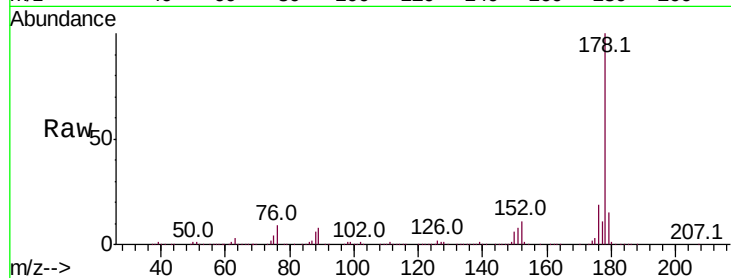
Tot Ion:178 Resp: 5245675

Ion Ratio Lower Upper

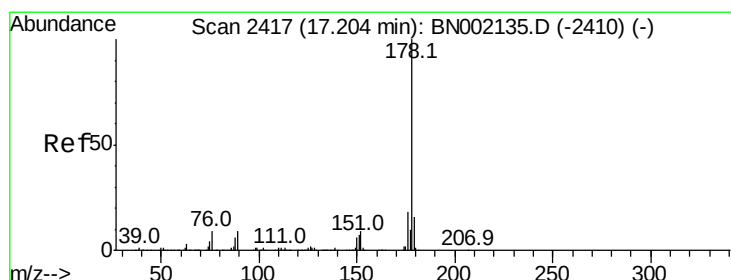
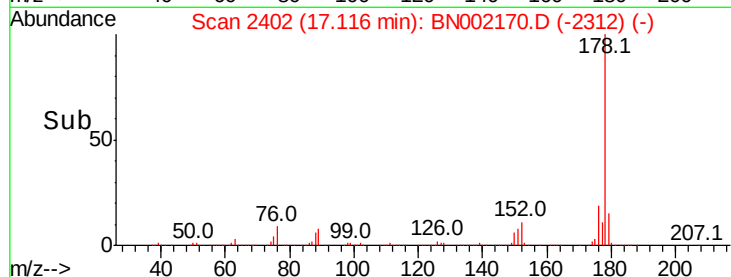
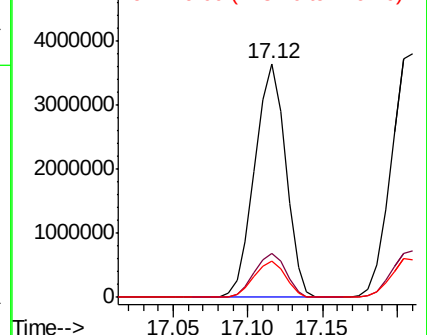
178 100

176 19.0 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: 133.746 ng

RT: 17.21 min Scan# 2418

Delta R.T. 0.01 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

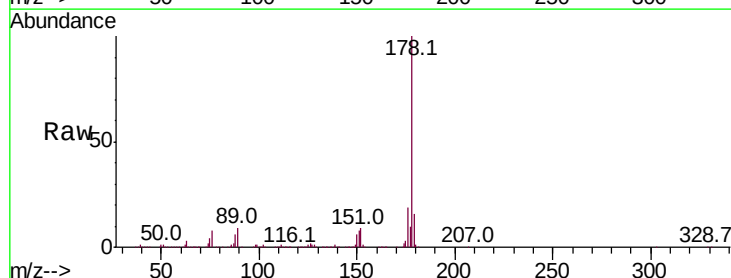
Tgt Ion:178 Resp: 5647041

Ion Ratio Lower Upper

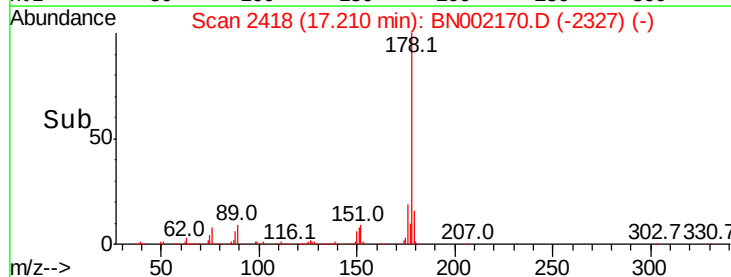
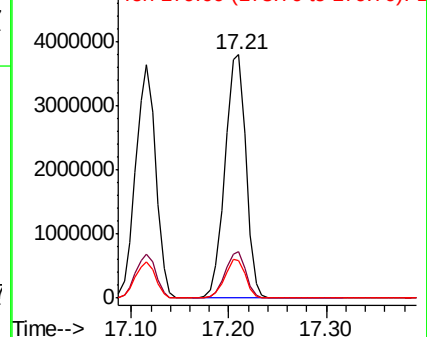
178 100

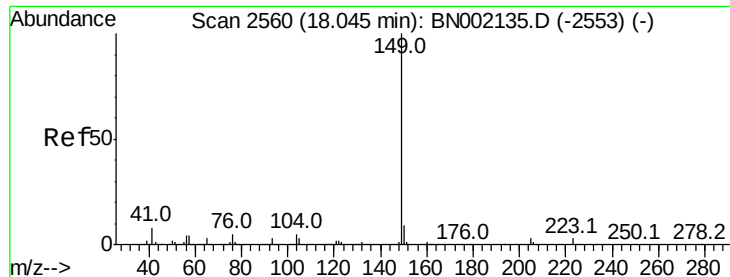
176 19.0 16.0 24.0

179 15.6 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: 108.025 ng

RT: 18.05 min Scan# 2560

Delta R.T. 0.00 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

Instrument :

BNA_N

ClientSampleId :

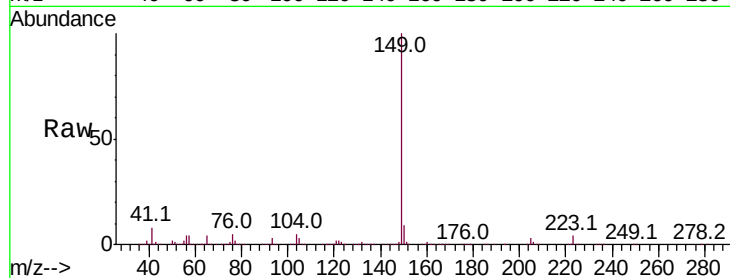
Tot Ion:149 Resp: 5338440

Ion Ratio Lower Upper

149 100

150 9.5 7.8 11.6

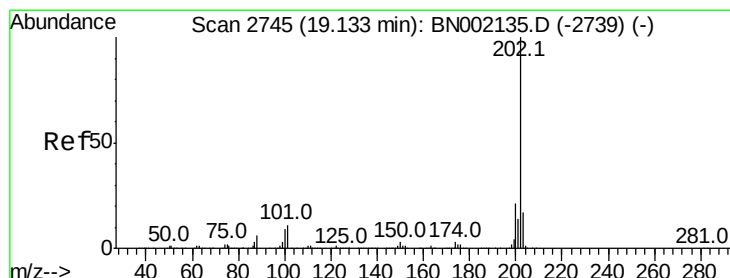
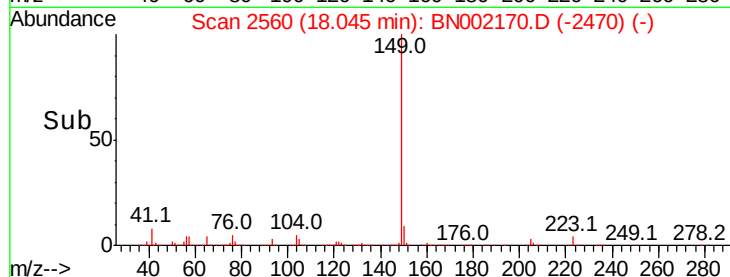
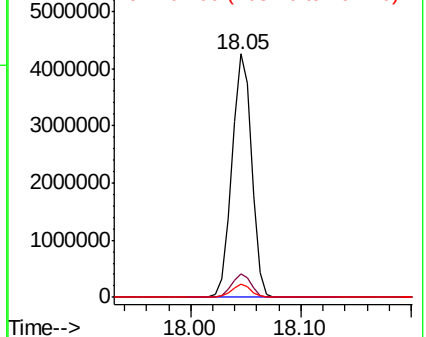
104 5.4 3.9 5.9



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: 90.876 ng

RT: 19.13 min Scan# 2745

Delta R.T. 0.00 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

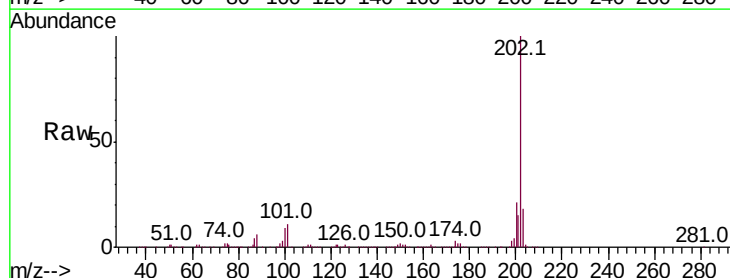
Tgt Ion:202 Resp: 4208929

Ion Ratio Lower Upper

202 100

101 11.1 0.0 28.9

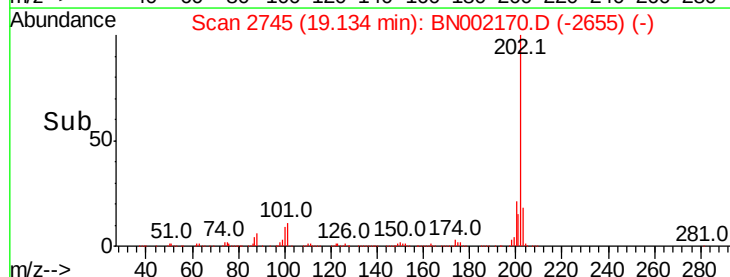
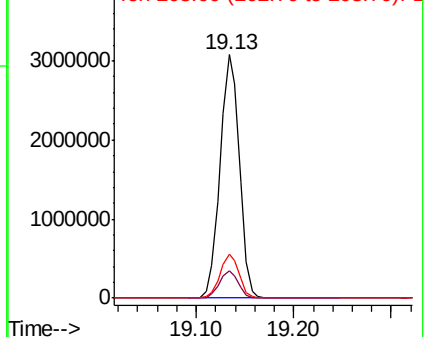
203 18.1 0.0 37.5

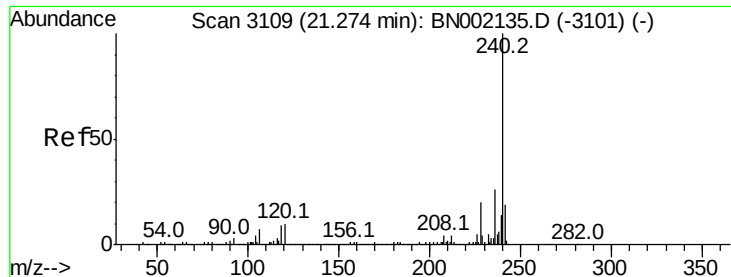


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

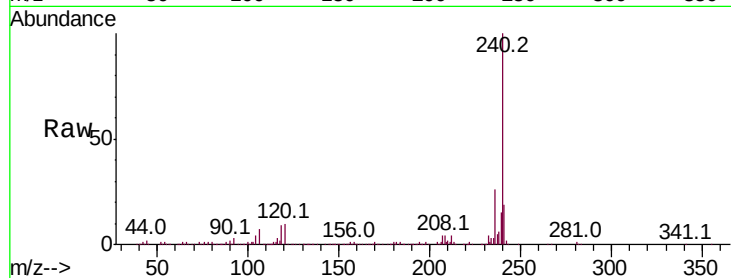




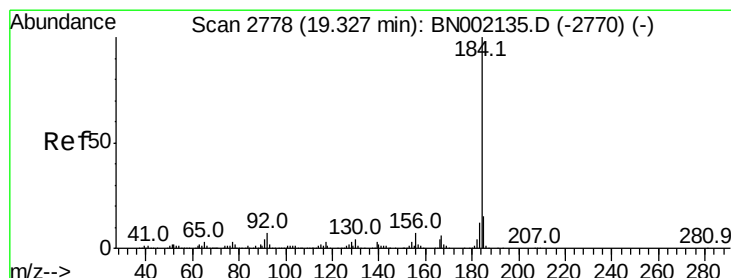
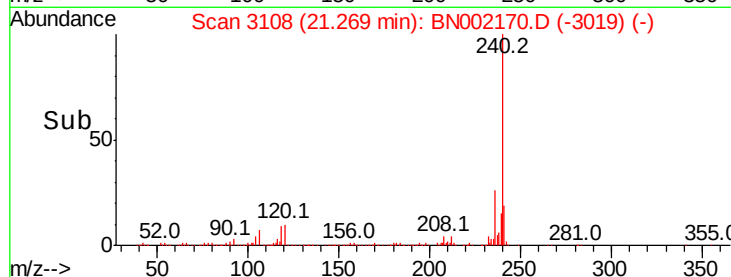
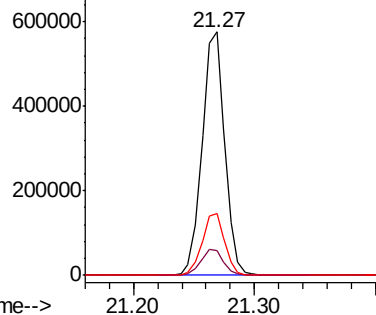
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.27 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Instrument :
BNA_N
ClientSampleId :

Tot Ion:240 Resp: 749429
Ion Ratio Lower Upper
240 100
120 10.2 6.8 10.2#
236 25.6 20.9 31.3

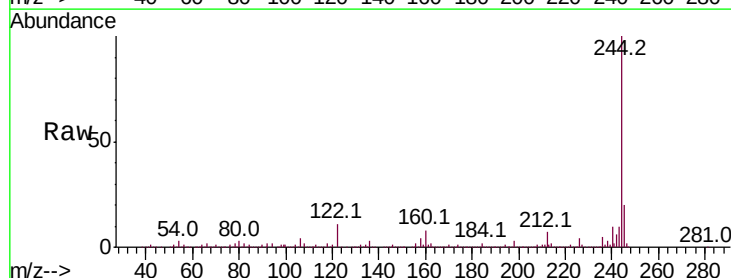


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

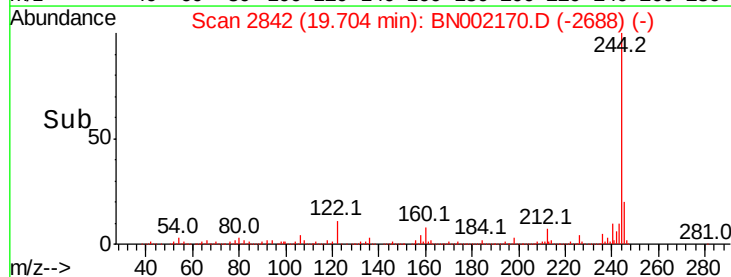
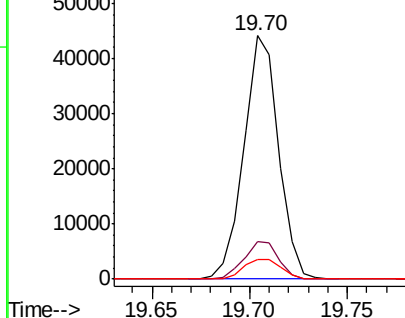


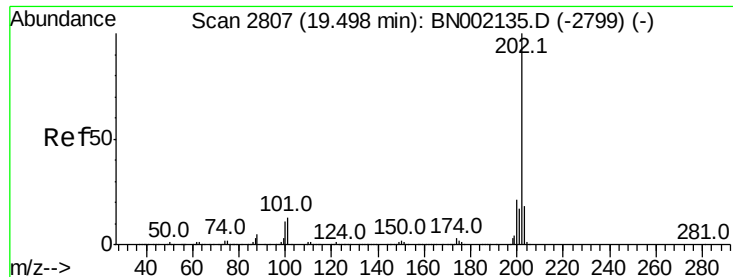
#76
Benzidine
Concen: 2.222 ng
RT: 19.70 min Scan# 2842
Delta R.T. 0.38 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Tgt Ion:184 Resp: 54323
Ion Ratio Lower Upper
184 100
185 15.3 11.1 16.7
183 8.3 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 113.452 ng

RT: 19.50 min Scan# 2807

Delta R.T. 0.00 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

Instrument :

BNA_N

ClientSampleId :

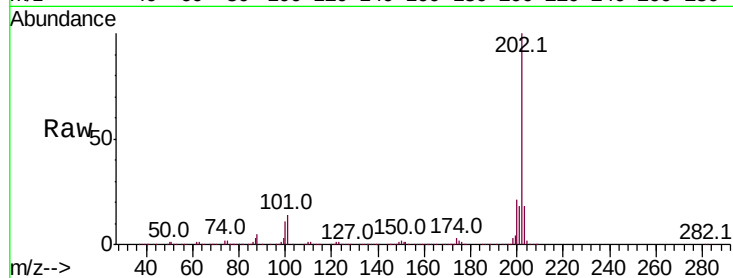
Tot Ion:202 Resp: 5863483

Ion Ratio Lower Upper

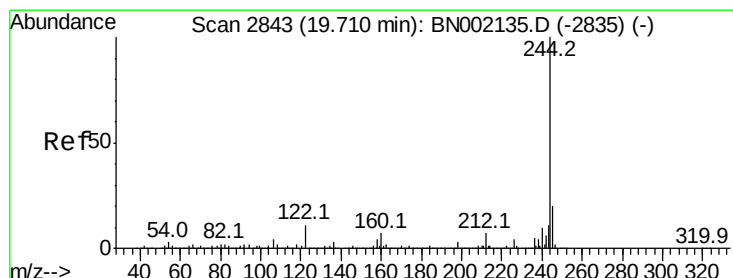
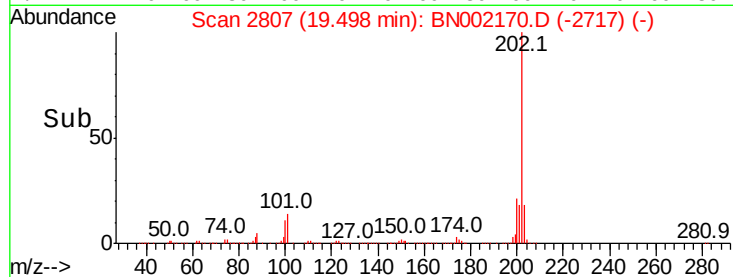
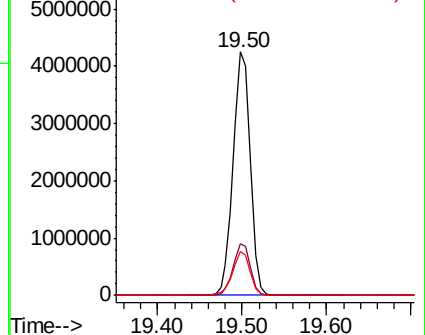
202 100

200 21.2 16.9 25.3

203 17.8 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: 103.388 ng

RT: 19.70 min Scan# 2842

Delta R.T. -0.01 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

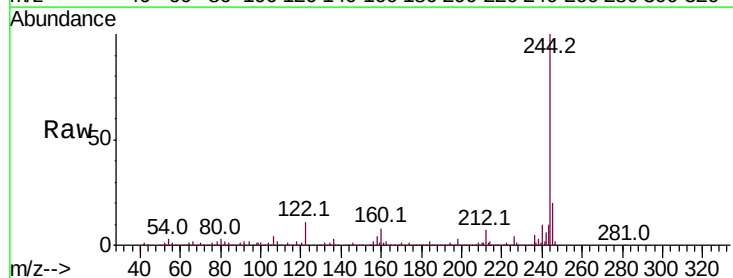
Tgt Ion:244 Resp: 3715020

Ion Ratio Lower Upper

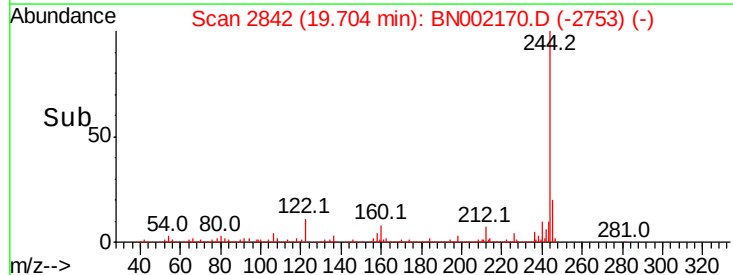
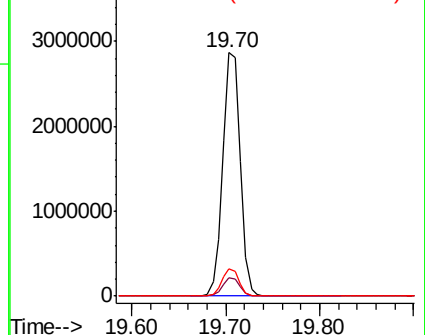
244 100

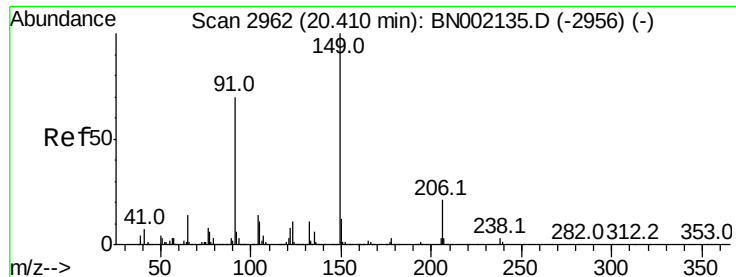
212 7.4 5.8 8.8

122 11.4 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: 130.718 ng

RT: 20.41 min Scan# 2962

Delta R.T. 0.00 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

Instrument :

BNA_N

ClientSampleId :

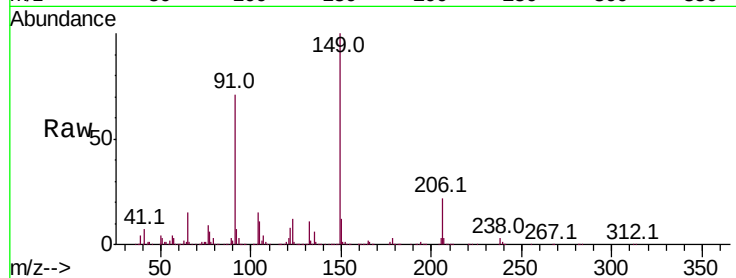
Tot Ion:149 Resp: 2940791

Ion Ratio Lower Upper

149 100

91 71.1 62.2 93.2

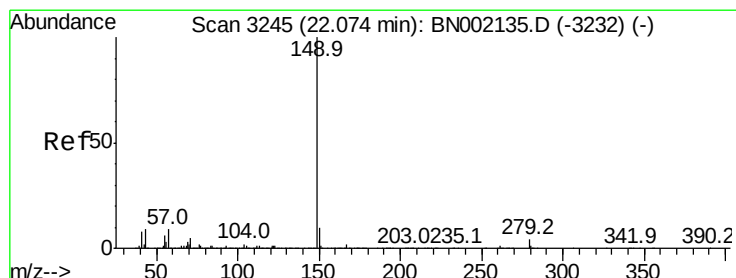
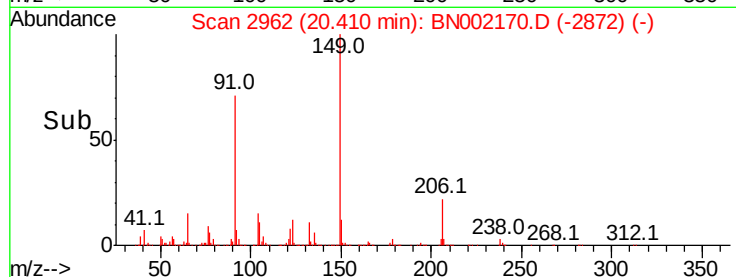
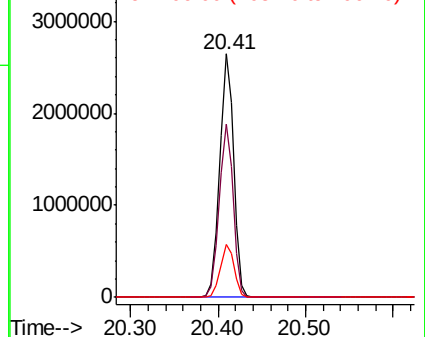
206 21.6 18.6 27.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BNO

Ion 206.00 (205.70 to 206.70): E



#84

Di-n-octyl phthalate

Concen: 136.147 ng

RT: 22.07 min Scan# 3245

Delta R.T. 0.00 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

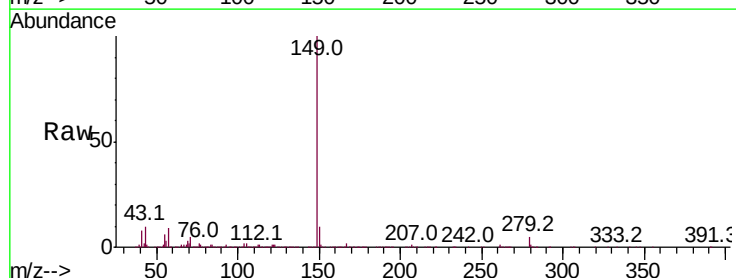
Tgt Ion:149 Resp: 6772325

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

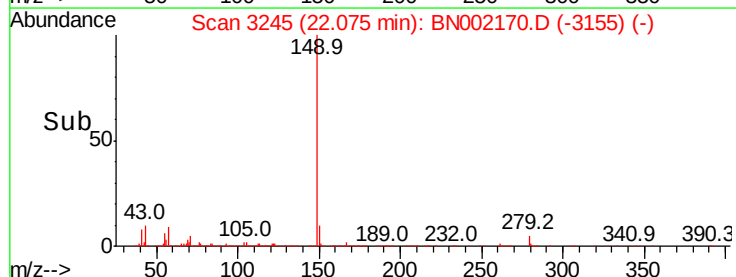
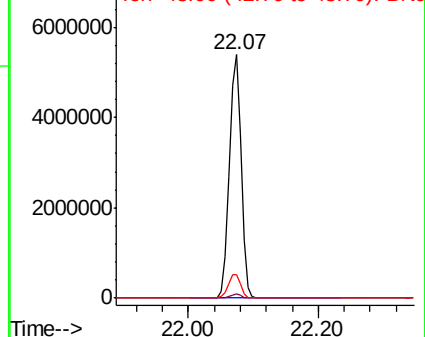
43 10.2 8.9 13.3

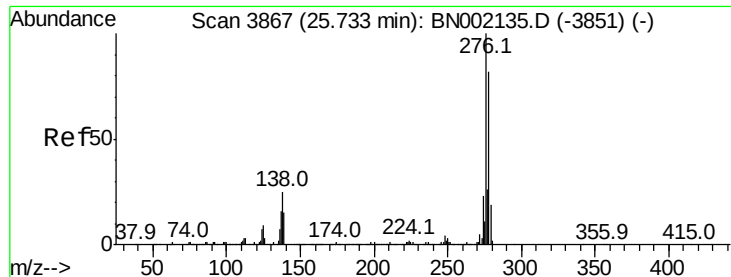


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BNO





#85

Indeno(1,2,3-cd)pyrene

Concen: 17.408 ng

RT: 25.73 min Scan# 3867

Delta R.T. 0.00 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

Instrument :

BNA_N

ClientSampleId :

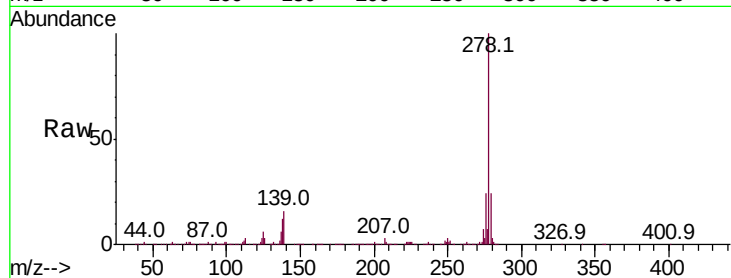
Tot Ion:276 Resp: 738114

Ion Ratio Lower Upper

276 100

138 48.2 16.0 24.0#

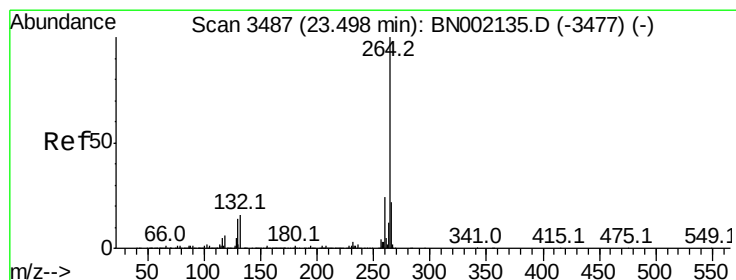
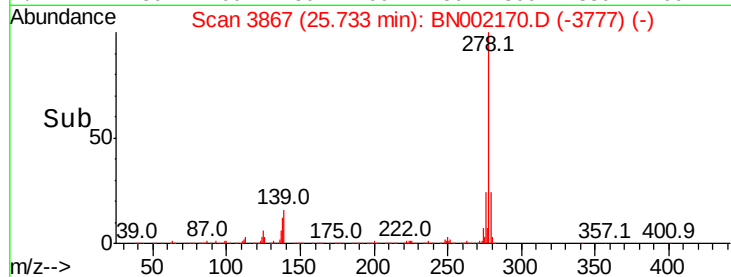
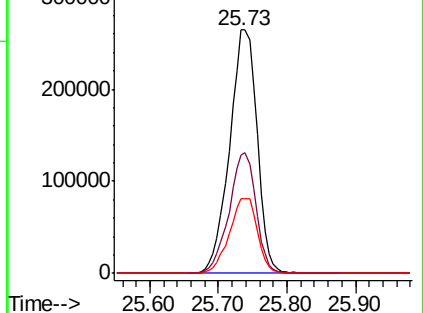
277 31.2 20.0 30.0#



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: 23.50 min Scan# 3487

Delta R.T. 0.00 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

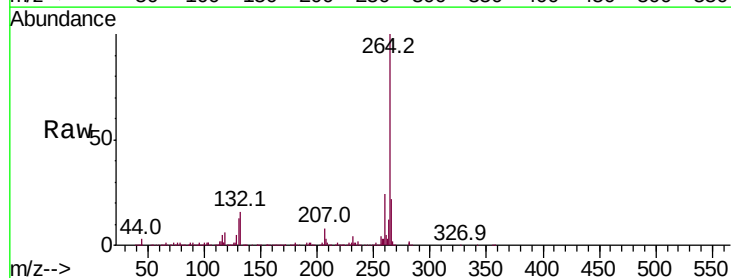
Tgt Ion:264 Resp: 807835

Ion Ratio Lower Upper

264 100

260 23.8 17.4 26.0

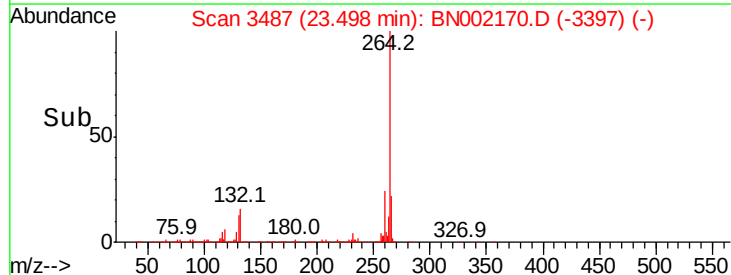
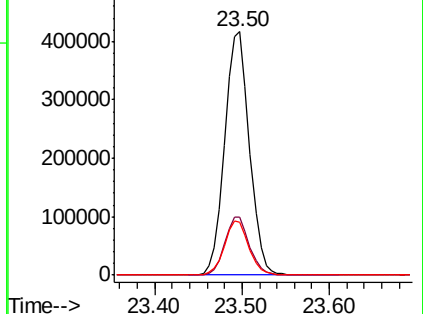
265 21.8 17.7 26.5

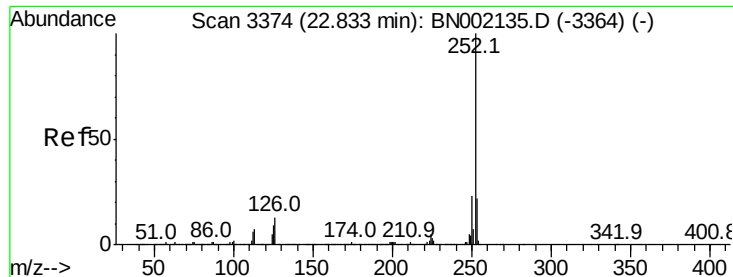


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 111.957 ng

RT: 22.84 min Scan# 3375

Delta R.T. 0.01 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

Instrument :

BNA_N

ClientSampleId :

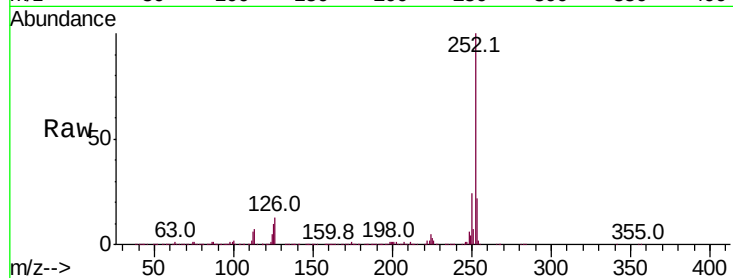
Tot Ion:252 Resp: 5337689

Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.4

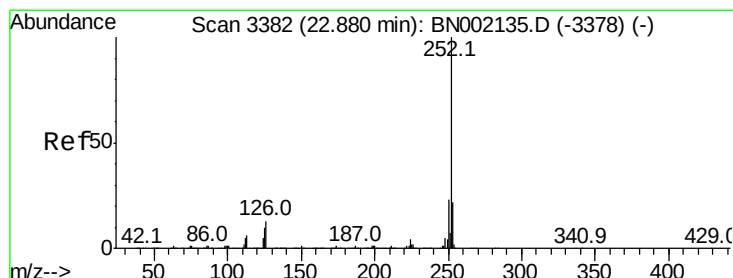
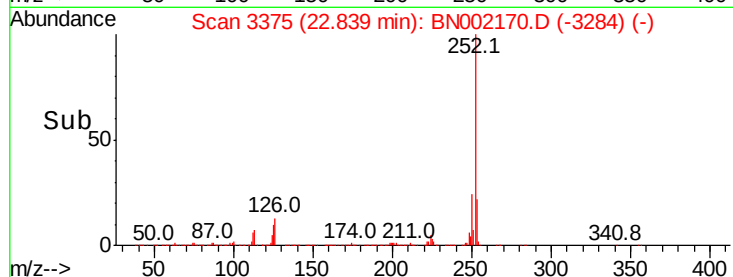
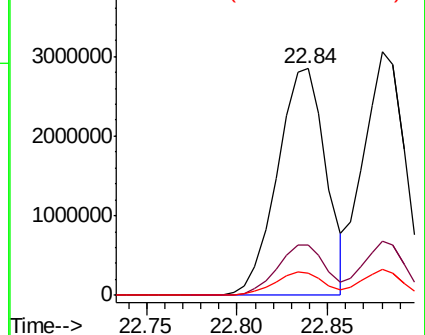
125 10.1 7.2 10.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 103.452 ng

RT: 22.88 min Scan# 3382

Delta R.T. 0.00 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

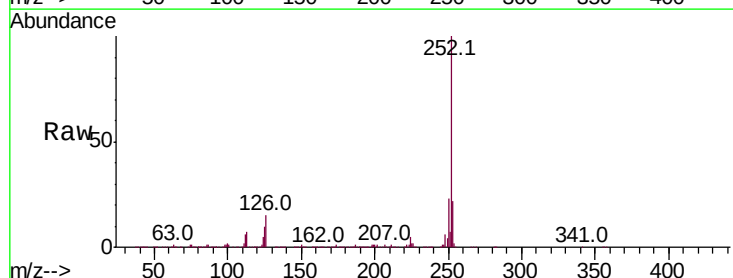
Tgt Ion:252 Resp: 4857455

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

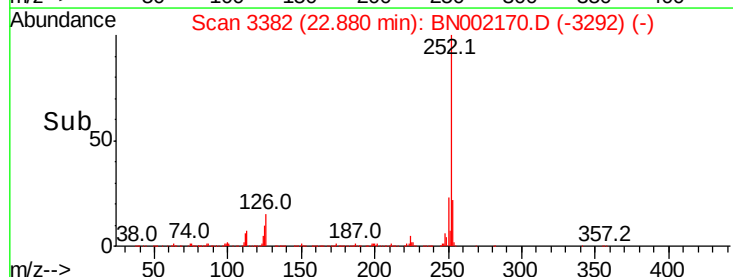
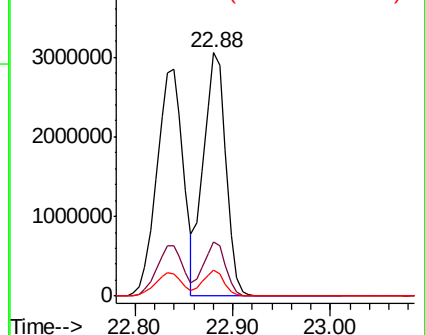
125 10.5 6.6 9.8#

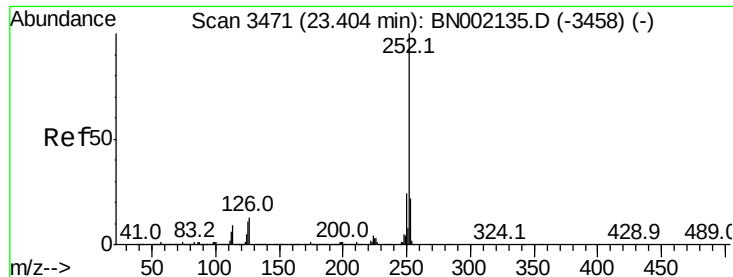


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

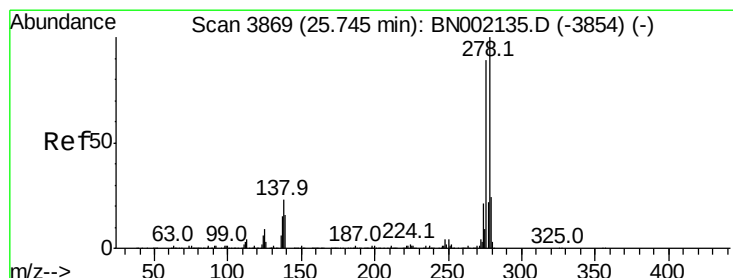
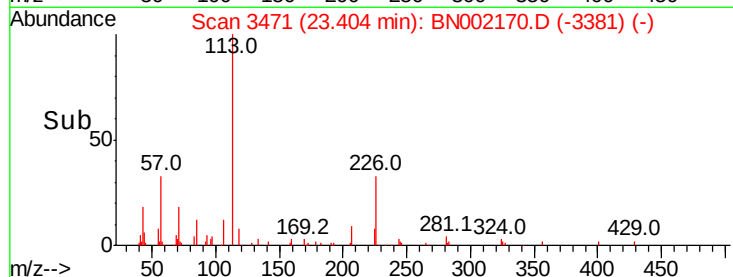
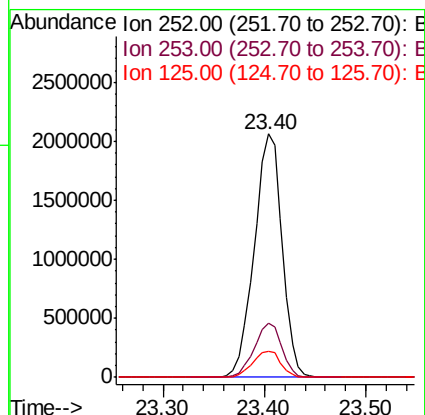
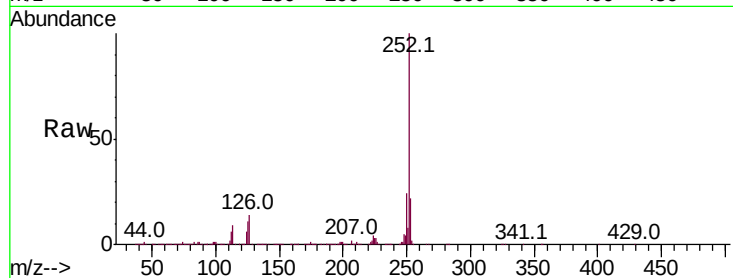




#89
Benzo(a)pyrene
Concen: 88.121 ng
RT: 23.40 min Scan# 3471
Delta R.T. 0.00 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

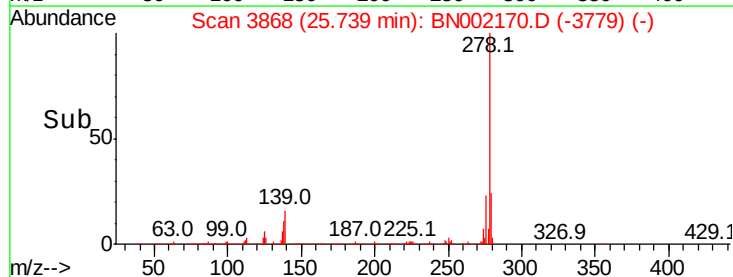
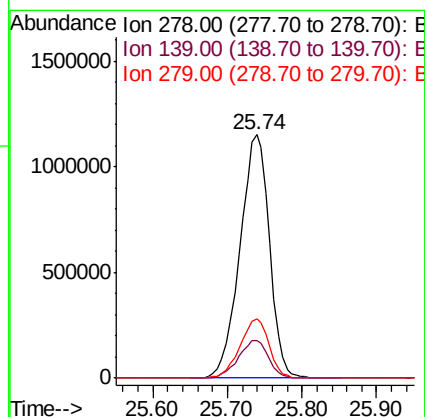
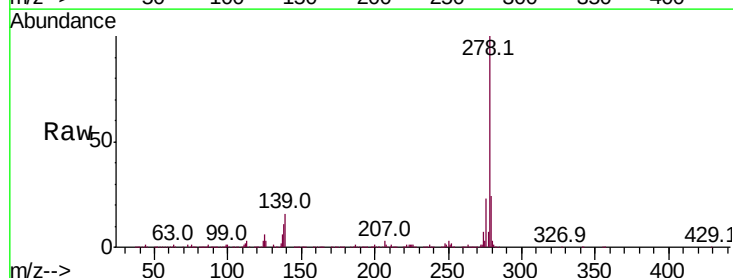
Instrument :
BNA_N
ClientSampleId :

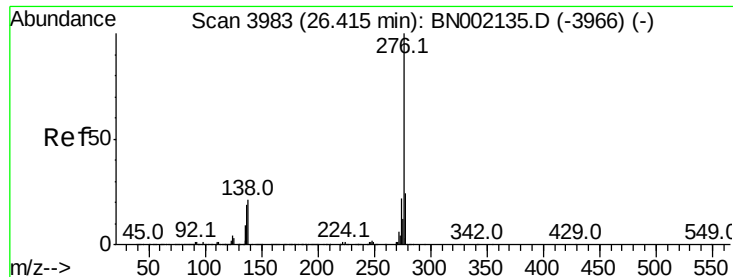
Tot Ion:252 Resp: 3923654
Ion Ratio Lower Upper
252 100
253 22.1 18.3 27.5
125 10.9 7.3 10.9#



#90
Dibenzo(a,h)anthracene
Concen: 75.382 ng
RT: 25.74 min Scan# 3868
Delta R.T. -0.01 min
Lab File: BN002170.D
Acq: 26 Jul 2018 11:55

Tgt Ion:278 Resp: 3151257
Ion Ratio Lower Upper
278 100
139 15.5 9.8 14.6#
279 24.2 18.4 27.6





#91

Benzo(a,h,i)perylene

Concen: 143.137 ng

RT: 26.43 min Scan# 3985

Delta R.T. 0.01 min

Lab File: BN002170.D

Acq: 26 Jul 2018 11:55

Instrument :

BNA_N

ClientSampleId :

Tot Ion:276 Resp: 5782659

Ion Ratio Lower Upper

276 100

277 23.2 18.3 27.5

138 21.6 13.9 20.9#

