

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
 Data File : BN007098.D
 Acq On : 12 Aug 2019 15:17
 Operator : HP/JU
 Sample : K4144-04MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 13 04:15:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 10 21:44:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	9268	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	34914	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	19847	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	49892	0.40	ng	0.00
26) Chrysene-d12	21.05	240	51775	0.40	ng	-0.01
32) Perylene-d12	23.16	264	55890	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	8232	0.37	ng	0.00
4) Phenol-d6	6.61	99	11005	0.40	ng	0.00
7) Nitrobenzene-d5	8.56	82	8480	0.30	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	26967	0.41	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	2546	0.24	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	5480	0.19	ng	0.00
24) Fluoranthene-d10	18.87	212	55422	0.31	ng	0.00
28) Terphenyl-d14	19.49	244	42819	0.30	ng	0.00

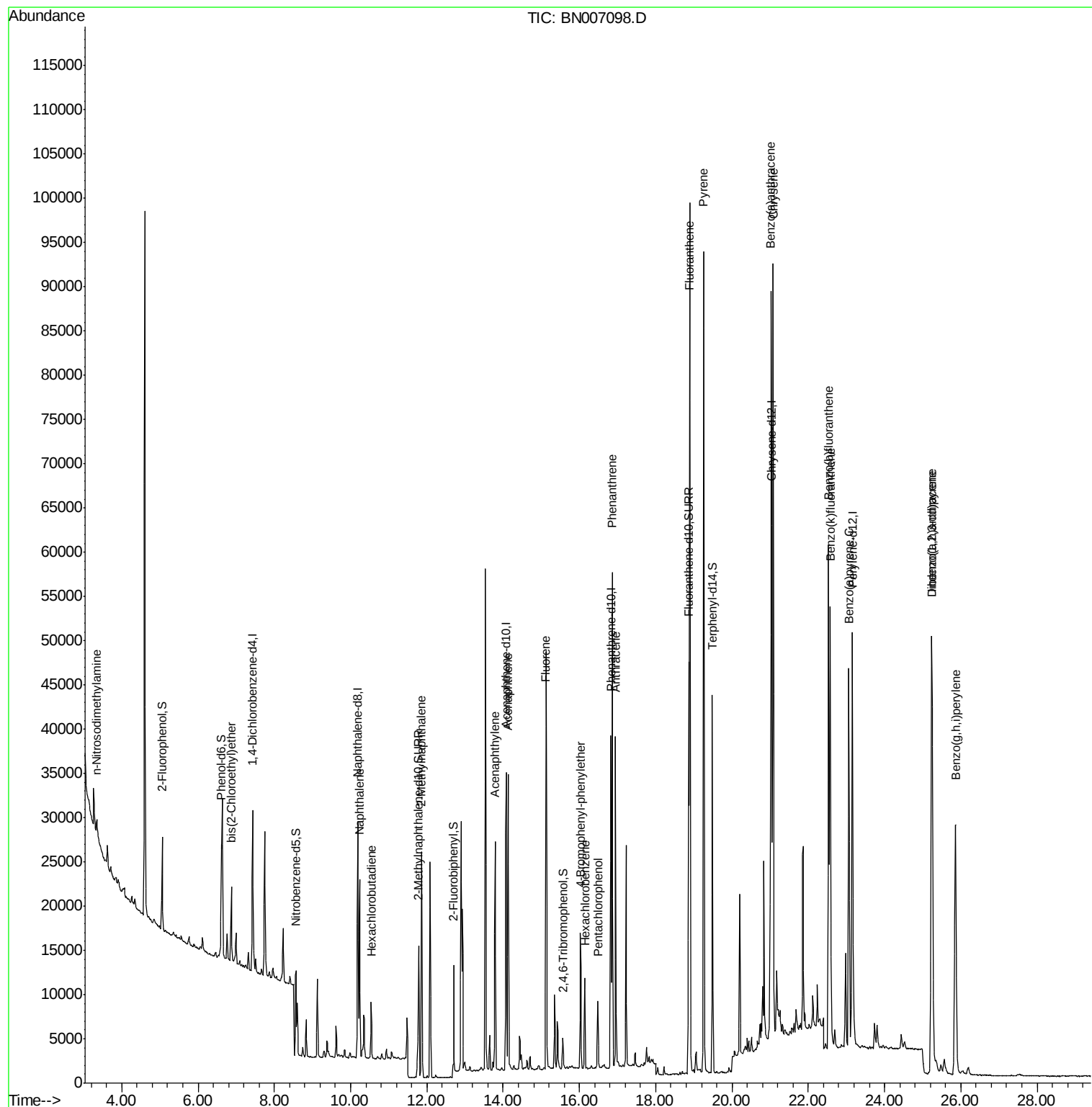
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.34	42	1777	0.291	ng	# 97
5) bis(2-Chloroethyl)ether	6.87	93	6967	0.286	ng	98
8) Naphthalene	10.24	128	26202	0.268	ng	99
9) Hexachlorobutadiene	10.54	225	5118	0.245	ng	# 100
11) 2-Methylnaphthalene	11.86	142	18384	0.265	ng	97
15) Acenaphthylene	13.79	152	29237	0.282	ng	99
16) Acenaphthene	14.13	154	17313	0.261	ng	99
17) Fluorene	15.12	166	22511	0.226	ng	99
19) 4-Bromophenyl-phenylether	16.03	248	8172	0.265	ng	# 86
20) Hexachlorobenzene	16.14	284	7784	0.262	ng	99
21) Pentachlorophenol	16.48	266	3983	0.360	ng	97
22) Phenanthrene	16.87	178	57614	0.385	ng	100
23) Anthracene	16.95	178	39329	0.288	ng	100
25) Fluoranthene	18.90	202	87298	0.456	ng	100
27) Pyrene	19.26	202	85654	0.472	ng	99
29) Benzo(a)anthracene	21.02	228	62138	0.328	ng	99
30) Chrysene	21.08	228	70128	0.381	ng	99
31) Indeno(1,2,3-cd)pyrene	25.23	276	69020	0.340	ng	99
33) Benzo(b)fluoranthene	22.53	252	74988	0.391	ng	100
34) Benzo(k)fluoranthene	22.58	252	63249	0.334	ng	99
35) Benzo(a)pyrene	23.07	252	58692	0.338	ng	99
36) Dibenzo(a,h)anthracene	25.25	278	49060	0.283	ng	98
37) Benzo(g,h,i)perylene	25.86	276	60275	0.338	ng	99

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

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Quant Time: Aug 13 04:15:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
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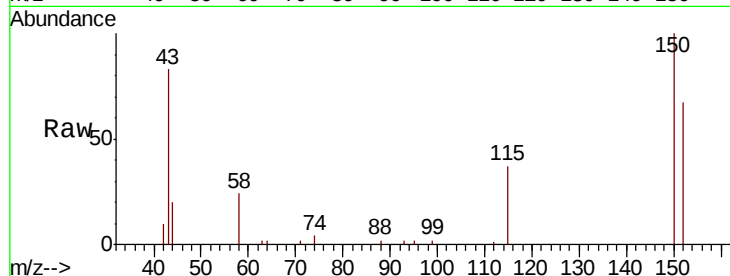


#1

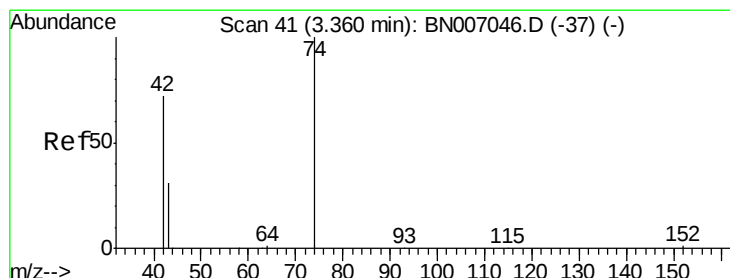
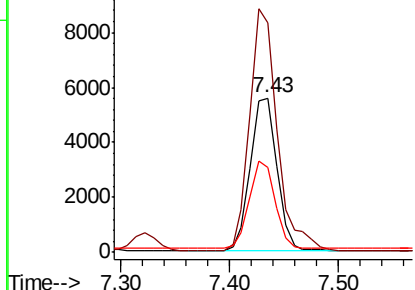
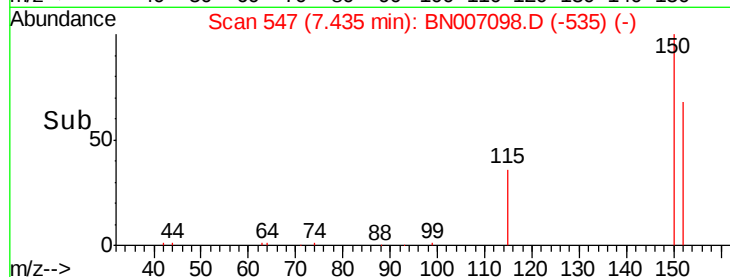
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007098.D
Acq: 12 Aug 2019 15:17

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 9268
Ion Ratio Lower Upper
152 100
150 149.0 121.7 182.5
115 54.8 46.2 69.4



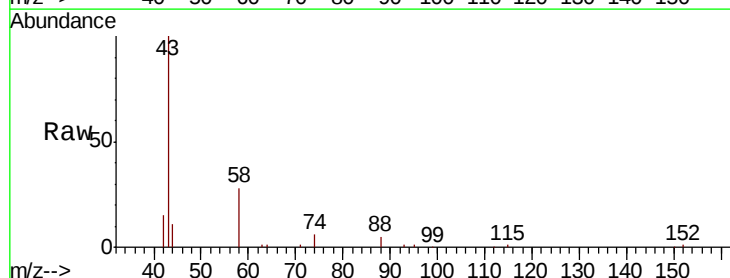
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



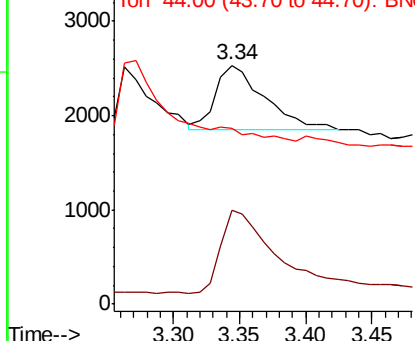
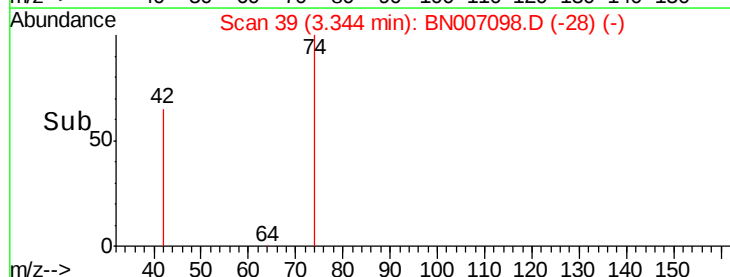
#2

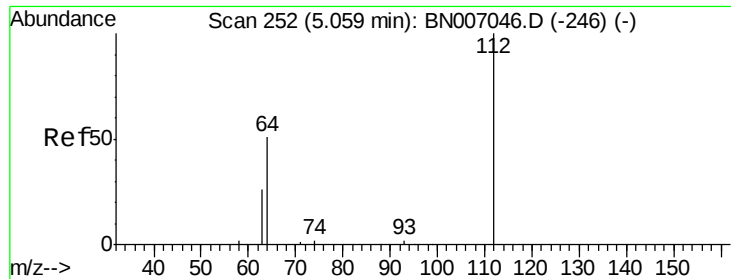
n-Nitrosodimethylamine
Concen: 0.291 ng
RT: 3.34 min Scan# 39
Delta R.T. -0.02 min
Lab File: BN007098.D
Acq: 12 Aug 2019 15:17

Tgt Ion: 42 Resp: 1777
Ion Ratio Lower Upper
42 100
74 142.5 110.6 166.0
44 0.0 0.0 0.0



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





#3

2-Fluorophenol

Concen: 0.370 ng

RT: 5.06 min Scan# 252

Delta R.T. -0.00 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

Instrument :

BNA_N

ClientSampled :

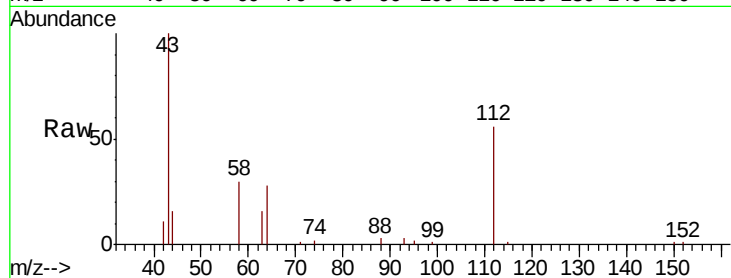
Tot Ion:112 Resp: 8232

Ion Ratio Lower Upper

112 100

64 53.0 42.6 63.8

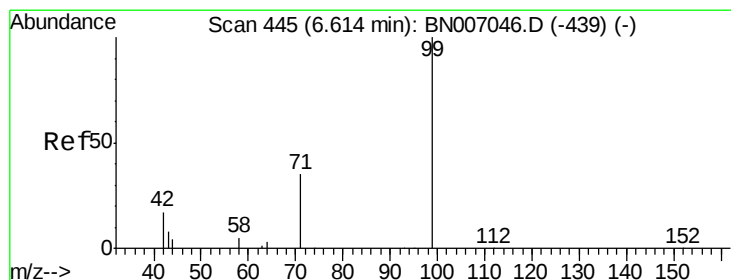
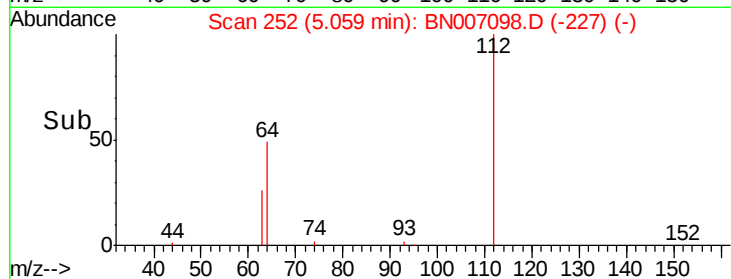
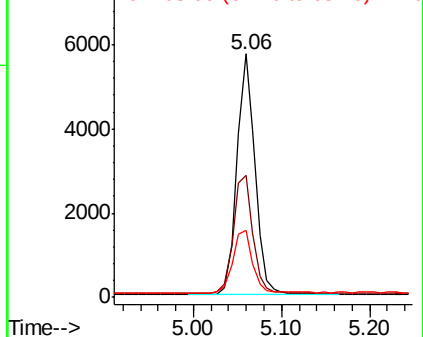
63 28.4 22.2 33.2



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



#4

Phenol-d6

Concen: 0.399 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

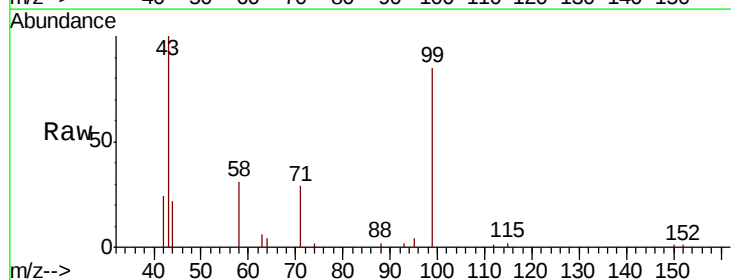
Tgt Ion: 99 Resp: 11005

Ion Ratio Lower Upper

99 100

42 28.2 15.8 23.6#

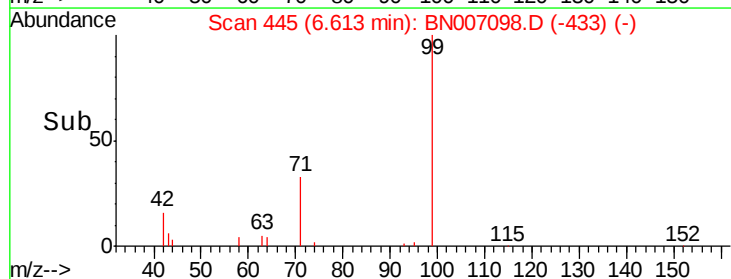
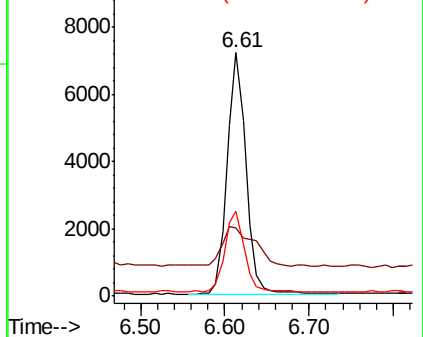
71 34.4 27.0 40.4

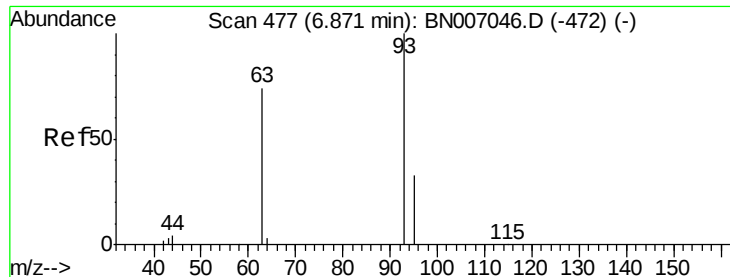


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#5

bis(2-Chloroethyl)ether

Concen: 0.286 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.00 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

Instrument :

BNA_N

ClientSampleId :

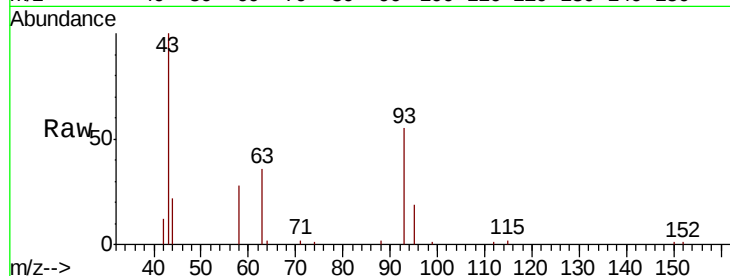
Tot Ion: 93 Resp: 6967

Ion Ratio Lower Upper

93 100

63 67.9 55.6 83.4

95 32.1 26.7 40.1

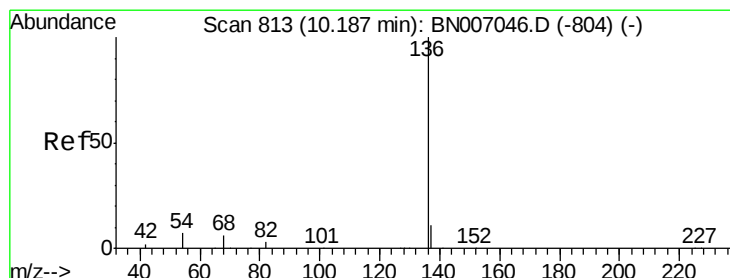
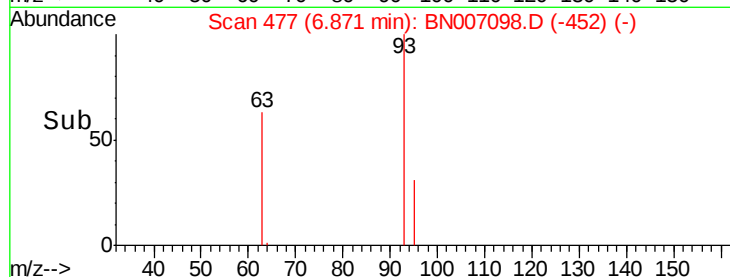
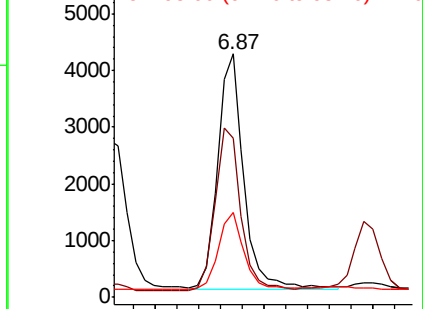


Abundance

Ion 93.00 (92.70 to 93.70): BN007046.D (-472) (-)

Ion 63.00 (62.70 to 63.70): BN007046.D (-472) (-)

Ion 95.00 (94.70 to 95.70): BN007046.D (-472) (-)



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

Tgt Ion: 136 Resp: 34914

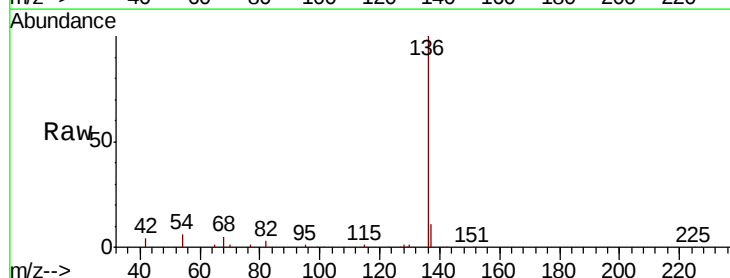
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.0

54 6.1 6.6 9.8#

68 5.4 6.0 9.0#



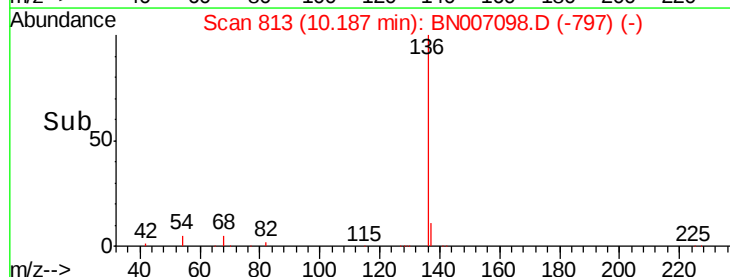
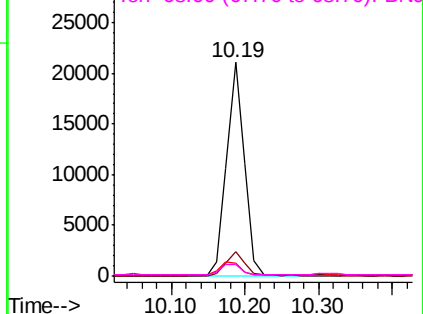
Abundance

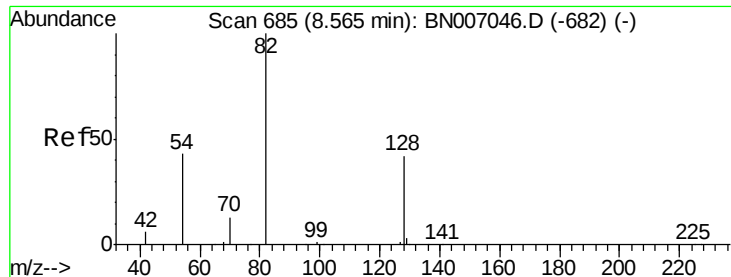
Ion 136.00 (135.70 to 136.70): BN007046.D (-804) (-)

Ion 137.00 (136.70 to 137.70): BN007046.D (-804) (-)

Ion 54.00 (53.70 to 54.70): BN007046.D (-804) (-)

Ion 68.00 (67.70 to 68.70): BN007046.D (-804) (-)





#7

Nitrobenzene-d5

Concen: 0.301 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

Instrument :

BNA_N

ClientSampleId :

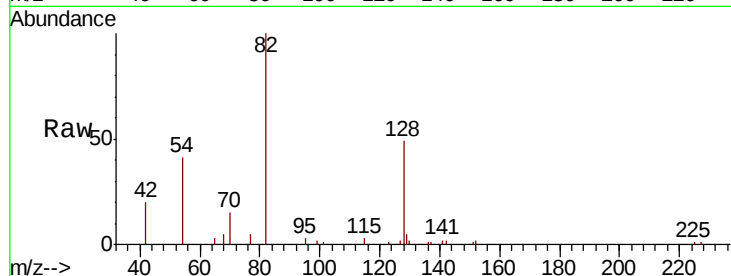
Tot Ion: 82 Resp: 8480

Ion Ratio Lower Upper

82 100

128 49.3 34.6 51.8

54 40.6 36.2 54.4



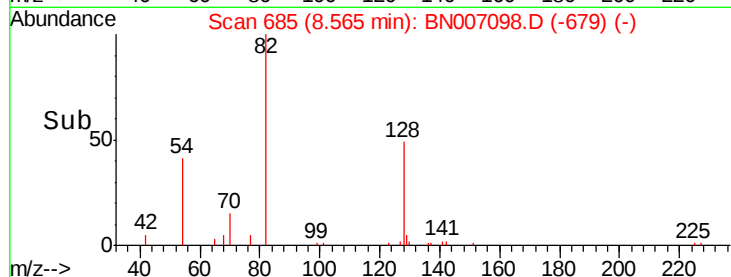
Abundance Ion 82.00 (81.70 to 82.70): BN007046.D (-682) (-)

Ion 128.00 (127.70 to 128.70): BN007046.D (-682) (-)

Ion 54.00 (53.70 to 54.70): BN007046.D (-682) (-)

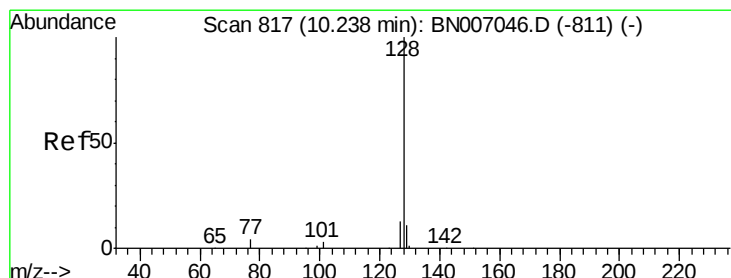
8.56

Time-->



8.56

Time-->



#8

Naphthalene

Concen: 0.268 ng

RT: 10.24 min Scan# 817

Delta R.T. -0.00 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

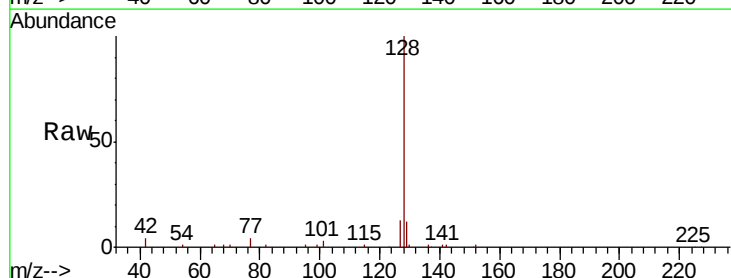
Tgt Ion: 128 Resp: 26202

Ion Ratio Lower Upper

128 100

129 11.6 9.4 14.2

127 13.1 11.0 16.6



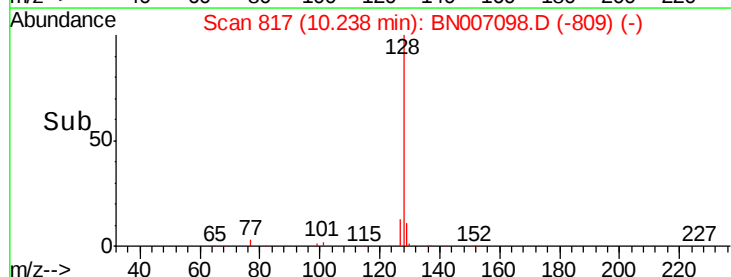
Abundance Ion 128.00 (127.70 to 128.70): BN007046.D (-811) (-)

Ion 129.00 (128.70 to 129.70): BN007046.D (-811) (-)

Ion 127.00 (126.70 to 127.70): BN007046.D (-811) (-)

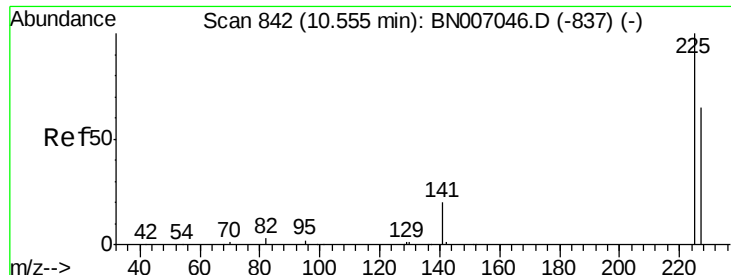
10.24

Time-->



10.24

Time-->



#9

Hexachlorobutadiene

Concen: 0.245 ng

RT: 10.54 min Scan# 841

Delta R.T. -0.01 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

Instrument :

BNA_N

ClientSampleId :

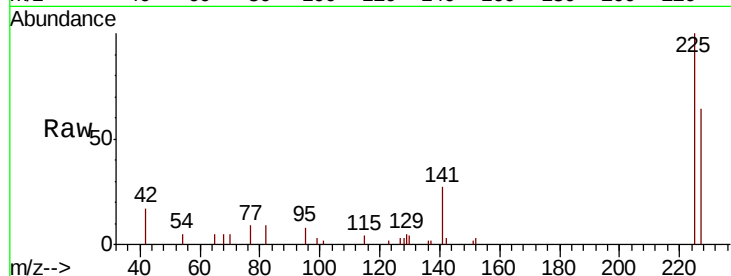
Tot Ion:225 Resp: 5118

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

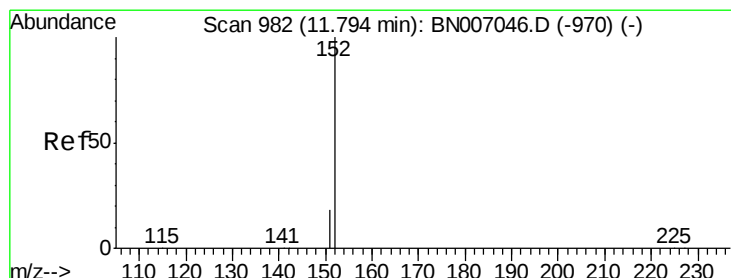
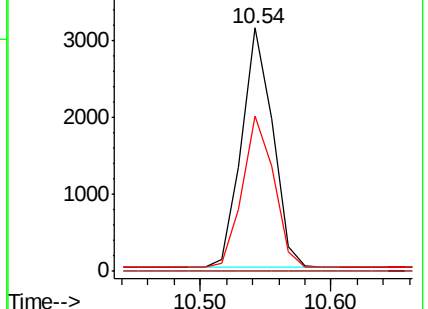
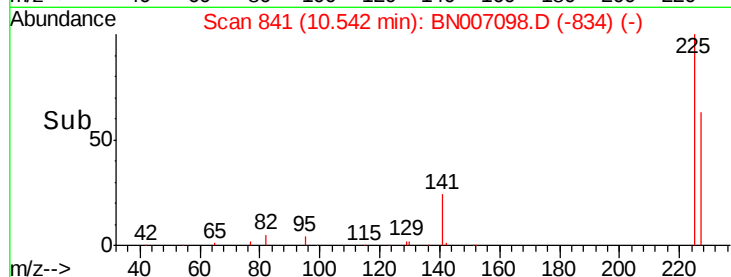
227 64.2 51.1 76.7



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



#10

2-Methylnaphthalene-d10

Concen: 0.414 ng

RT: 11.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BN007098.D

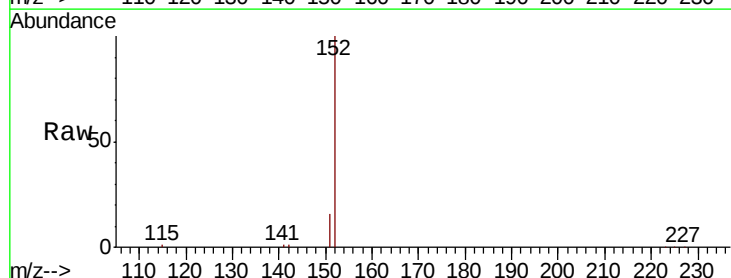
Acq: 12 Aug 2019 15:17

Tgt Ion:152 Resp: 26967

Ion Ratio Lower Upper

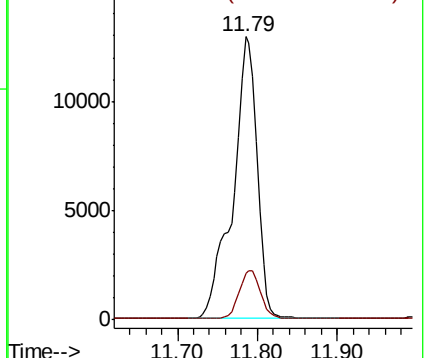
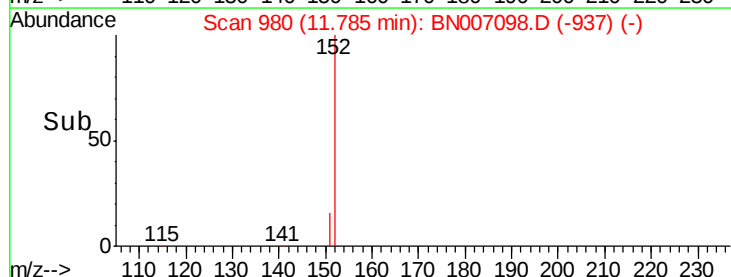
152 100

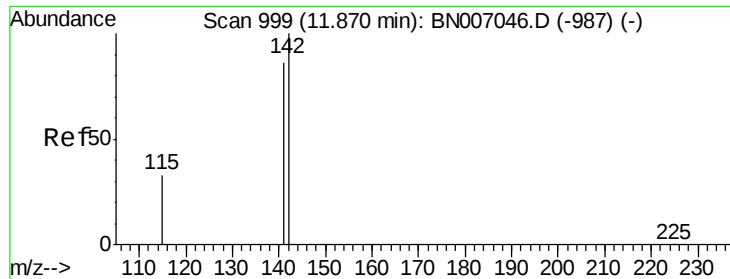
151 15.2 15.5 23.3#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

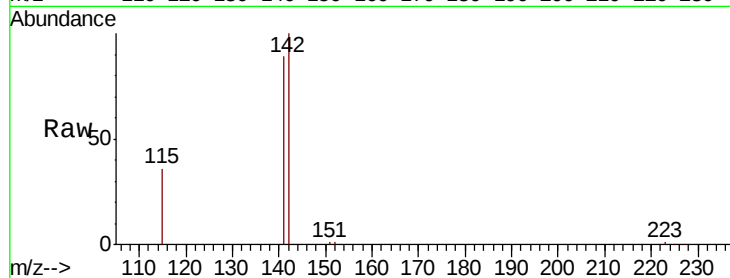




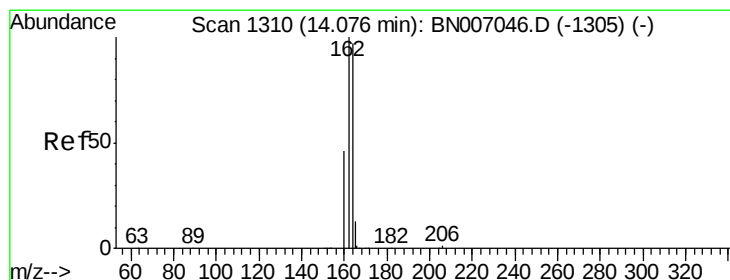
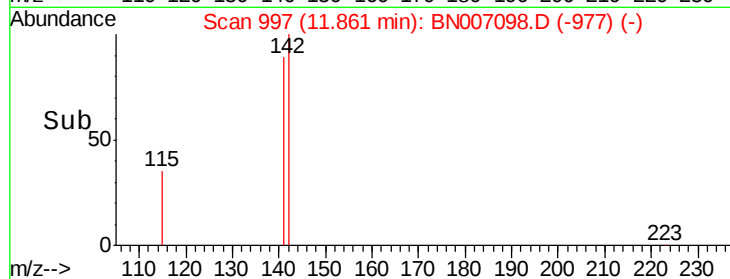
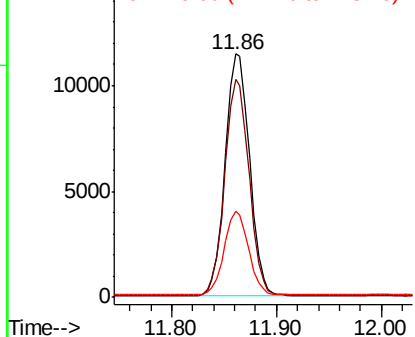
#11
2-Methylnaphthalene
Concen: 0.265 ng
RT: 11.86 min Scan# 997
Delta R.T. -0.01 min
Lab File: BN007098.D
Acq: 12 Aug 2019 15:17

Instrument :
BNA_N
ClientSampleId :

Tot Ion:142 Resp: 18384
Ion Ratio Lower Upper
142 100
141 89.4 69.0 103.6
115 35.5 27.1 40.7

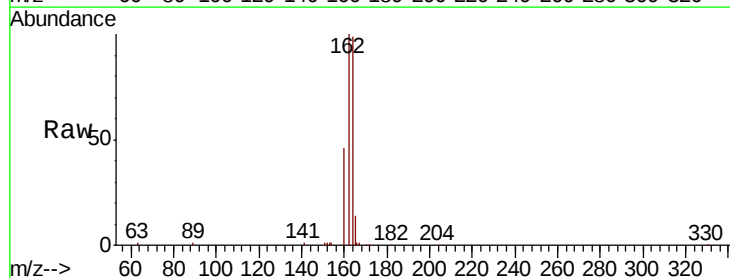


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

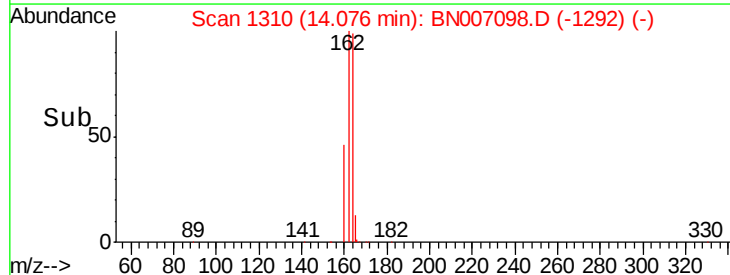
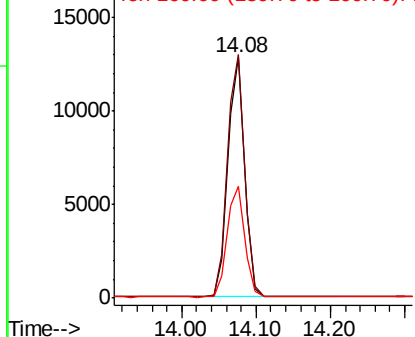


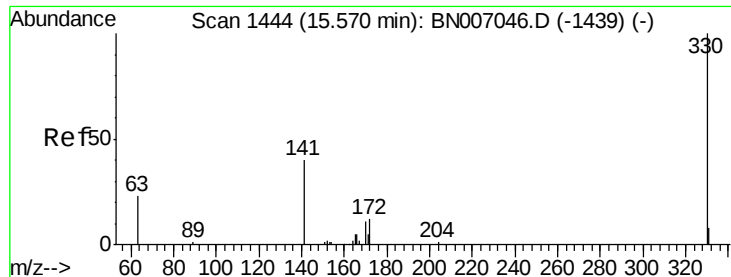
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007098.D
Acq: 12 Aug 2019 15:17

Tgt Ion:164 Resp: 19847
Ion Ratio Lower Upper
164 100
162 101.2 82.2 123.4
160 46.7 38.3 57.5



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

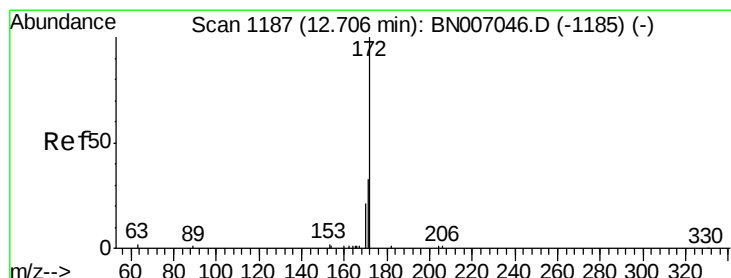
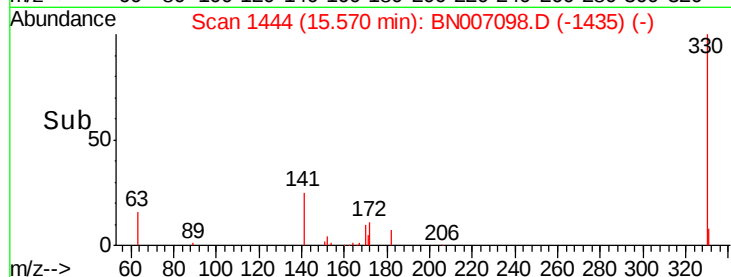
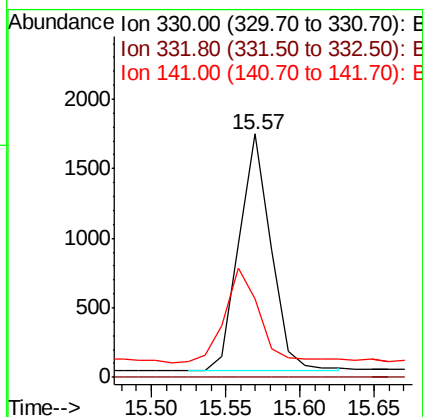
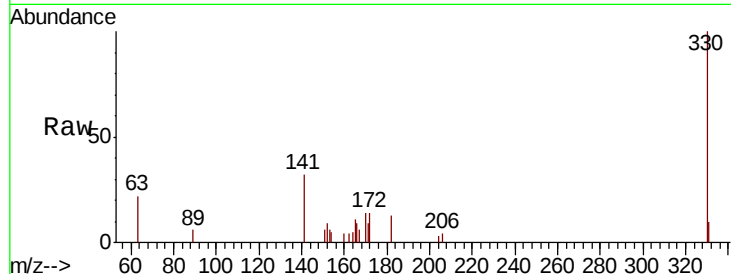




#13
 2,4,6-Tribromophenol
 Concen: 0.238 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007098.D
 Acq: 12 Aug 2019 15:17

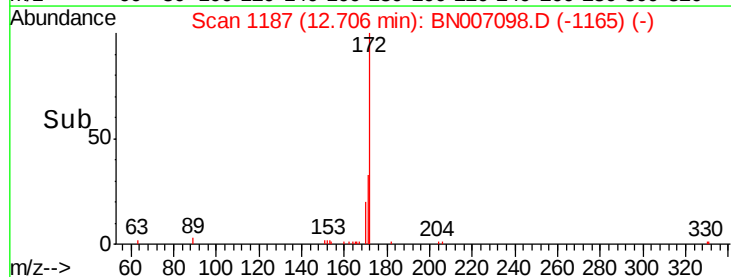
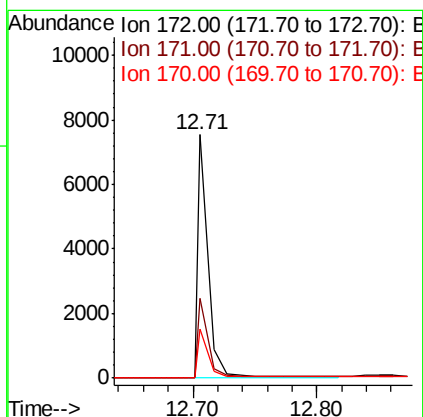
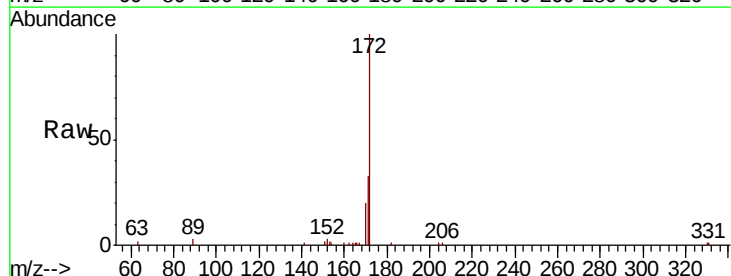
Instrument :
 BNA_N
 ClientSampleId :

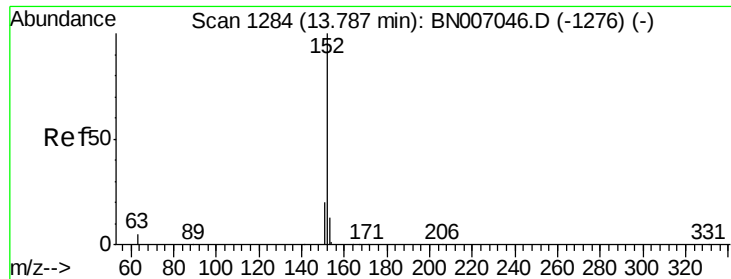
Tot Ion:330 Resp: 2546
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 43.7 33.6 50.4



#14
 2-Fluorobiphenyl
 Concen: 0.190 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007098.D
 Acq: 12 Aug 2019 15:17

Tgt Ion:172 Resp: 5480
 Ion Ratio Lower Upper
 172 100
 171 32.9 26.3 39.5
 170 20.4 17.0 25.4





#15

Acenaphthylene

Concen: 0.282 ng

RT: 13.79 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

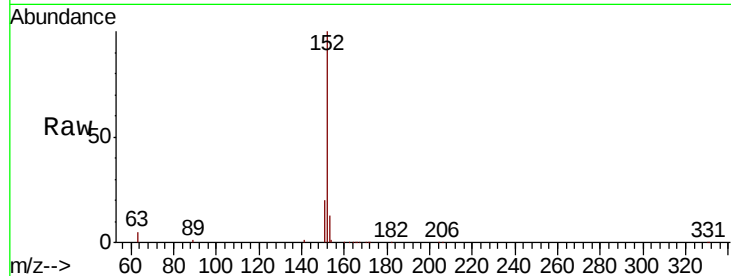
Instrument :

BNA_N

ClientSampled :

Tot Ion:152 Resp: 29237

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.6
153	12.8	10.4	15.6

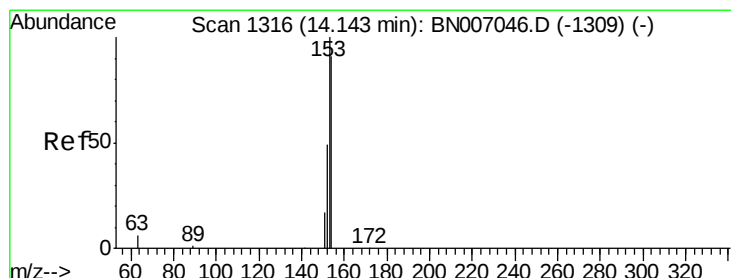
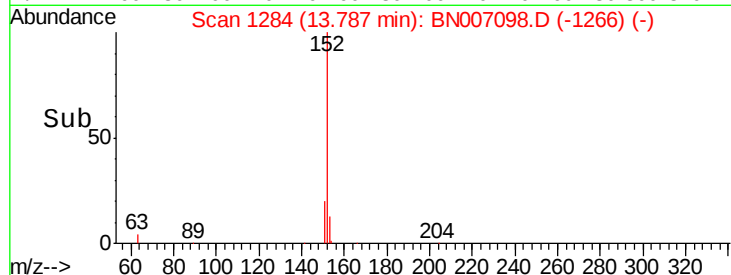
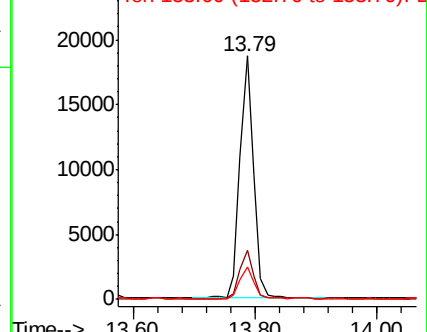


Abundance

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



#16

Acenaphthene

Concen: 0.261 ng

RT: 14.13 min Scan# 1315

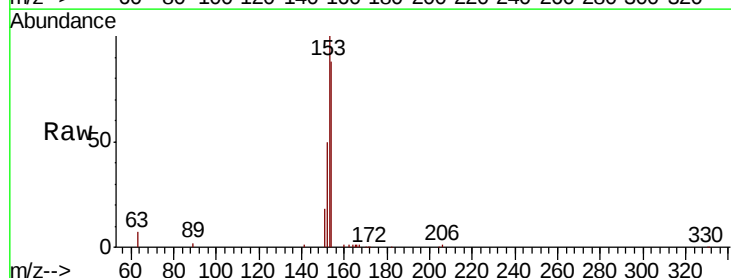
Delta R.T. -0.01 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

Tgt Ion:154 Resp: 17313

Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.5	134.3
152	55.0	44.8	67.2

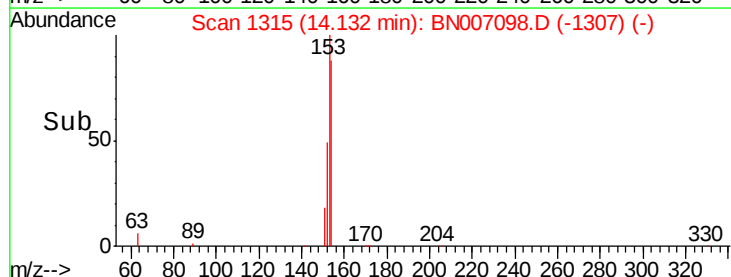
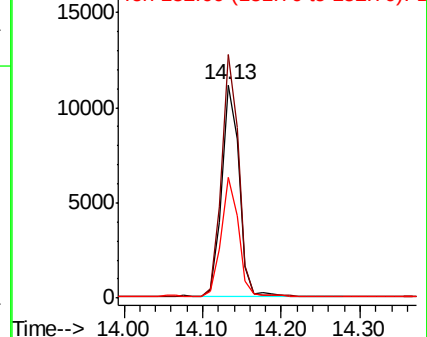


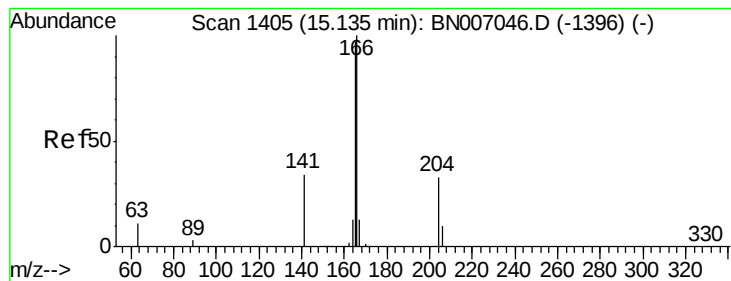
Abundance

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





#17

Fluorene

Concen: 0.226 ng

RT: 15.12 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

Instrument :

BNA_N

ClientSampleId :

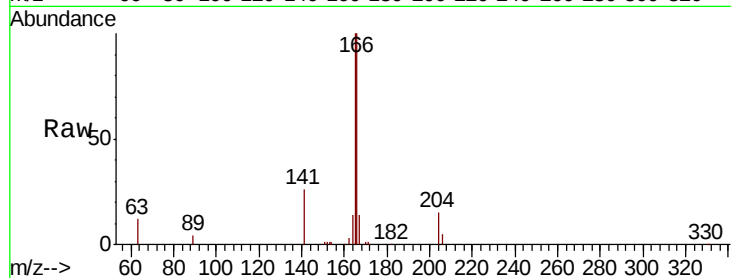
Tot Ion:166 Resp: 22511

Ion Ratio Lower Upper

166 100

165 98.5 77.9 116.9

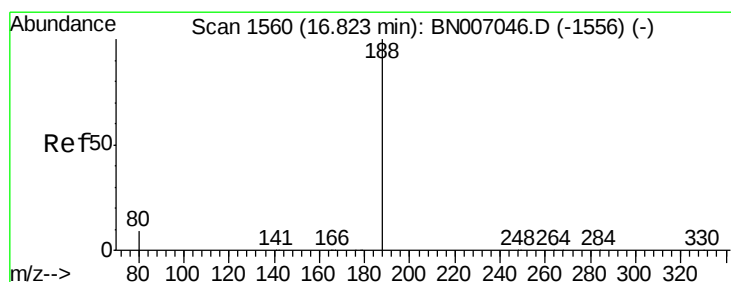
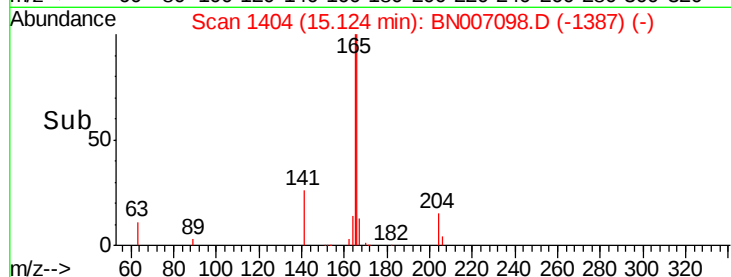
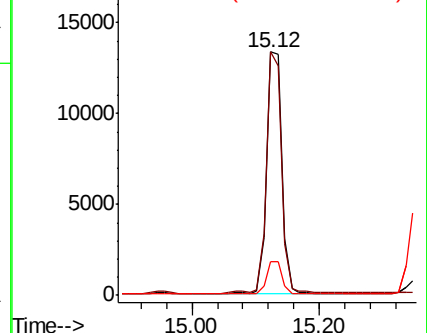
167 13.6 10.9 16.3



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



#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

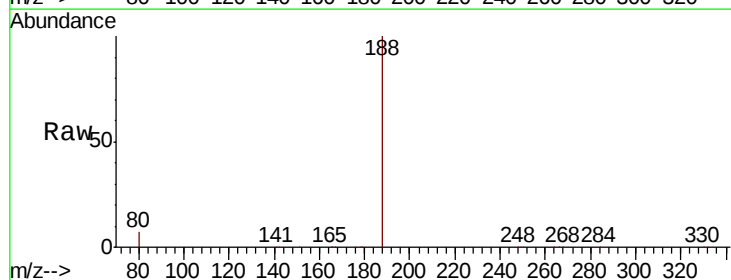
Tgt Ion:188 Resp: 49892

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

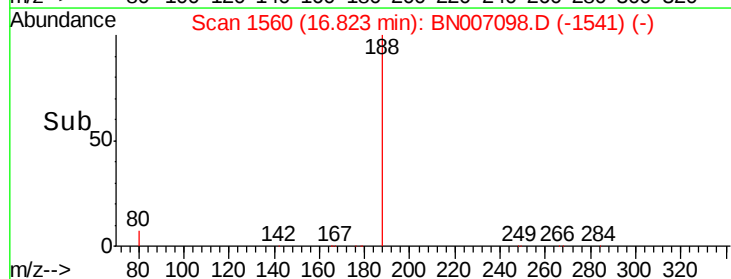
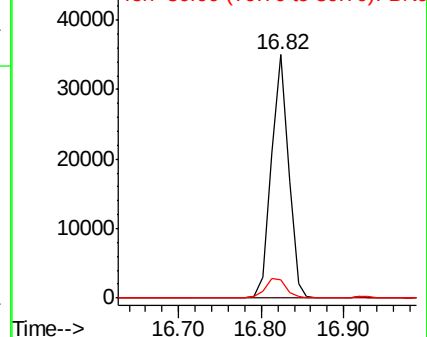
80 7.3 7.8 11.6#

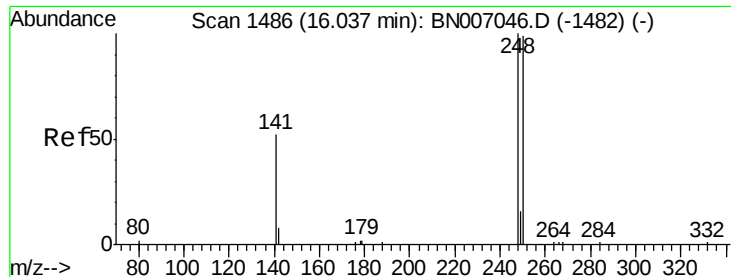


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#19

4-Bromophenyl-phenylether

Concen: 0.265 ng

RT: 16.03 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

Instrument :

BNA_N

ClientSampleId :

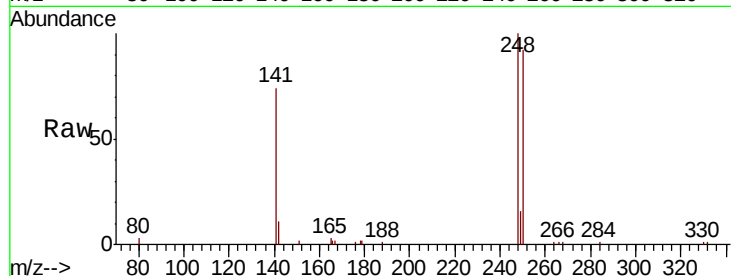
Tot Ion:248 Resp: 8172

Ion Ratio Lower Upper

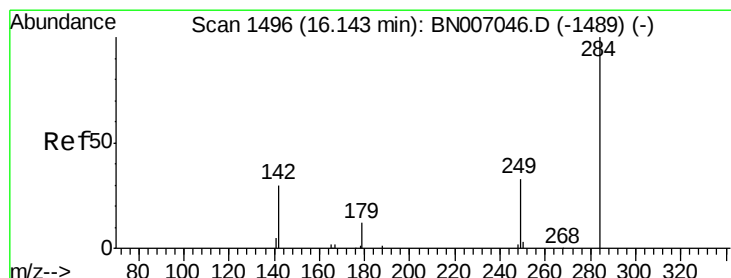
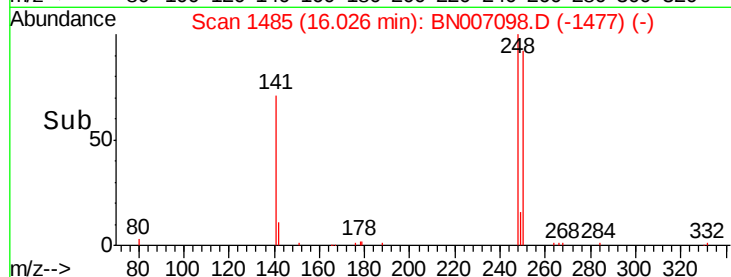
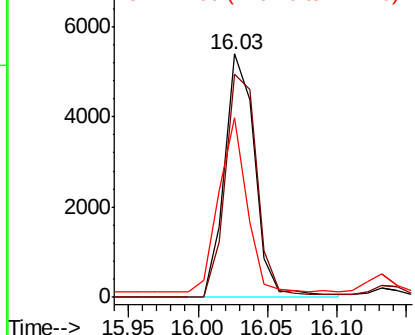
248 100

250 91.6 78.9 118.3

141 73.6 43.3 64.9#



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



#20

Hexachlorobenzene

Concen: 0.262 ng

RT: 16.14 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

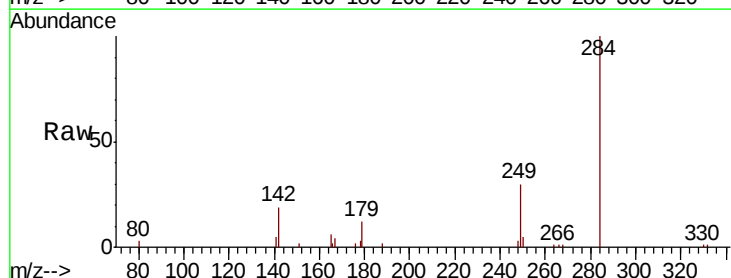
Tgt Ion:284 Resp: 7784

Ion Ratio Lower Upper

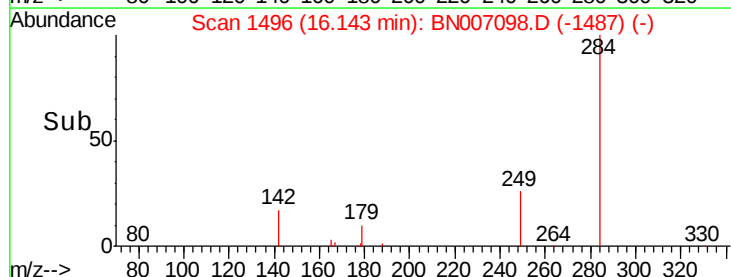
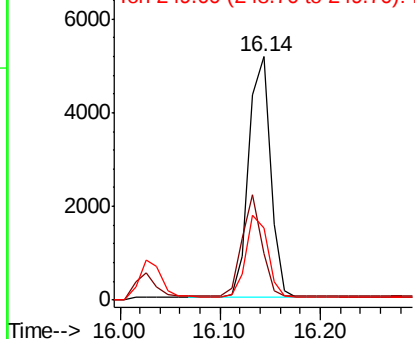
284 100

142 37.8 30.5 45.7

249 34.0 26.7 40.1



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

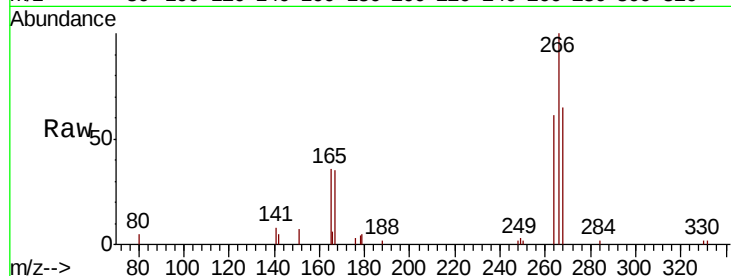




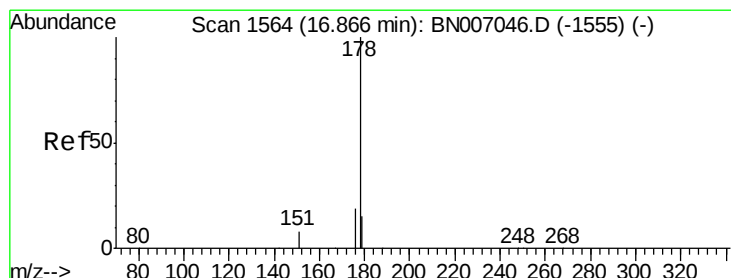
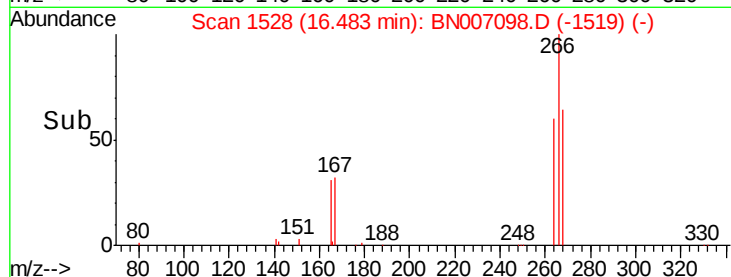
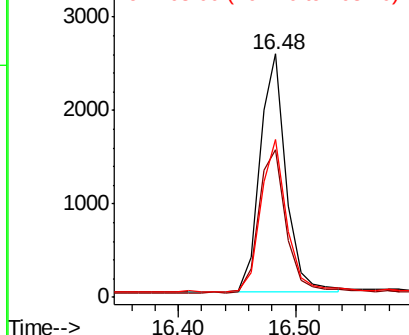
#21
 Pentachlorophenol
 Concen: 0.360 ng
 RT: 16.48 min Scan# 1528
 Delta R.T. -0.00 min
 Lab File: BN007098.D
 Acq: 12 Aug 2019 15:17

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
266	100		
264	60.6	52.3	78.5
268	64.6	51.5	77.3

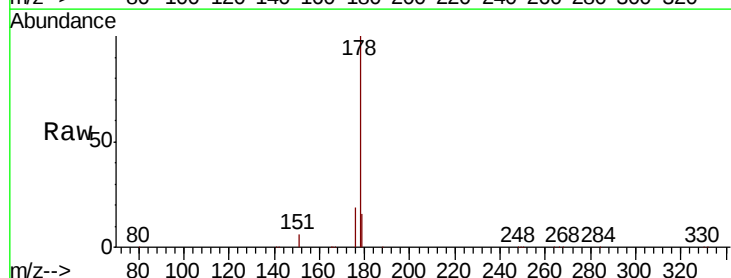


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

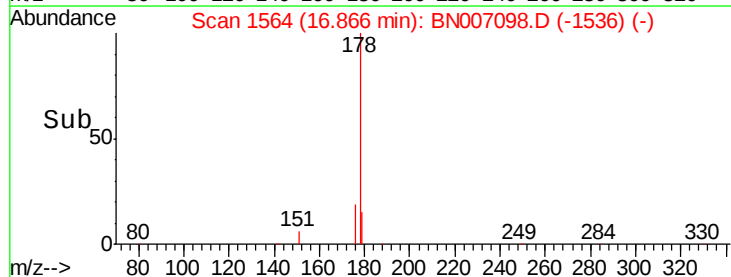
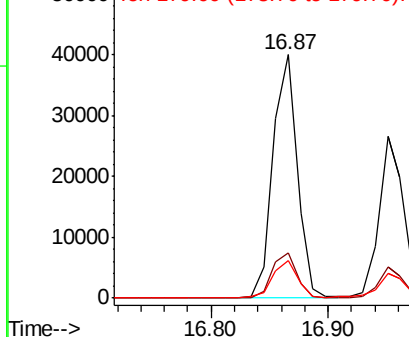


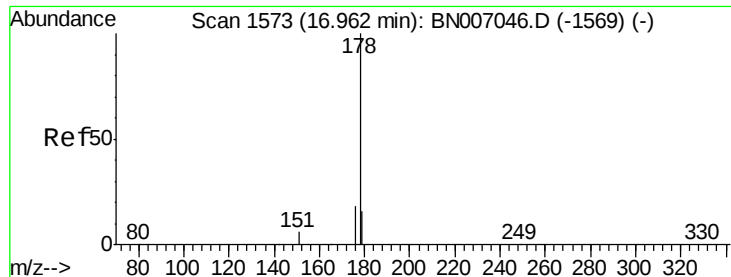
#22
 Phenanthrene
 Concen: 0.385 ng
 RT: 16.87 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BN007098.D
 Acq: 12 Aug 2019 15:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.6	12.3	18.5



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





#23

Anthracene

Concen: 0.288 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

Instrument :

BNA_N

ClientSampled :

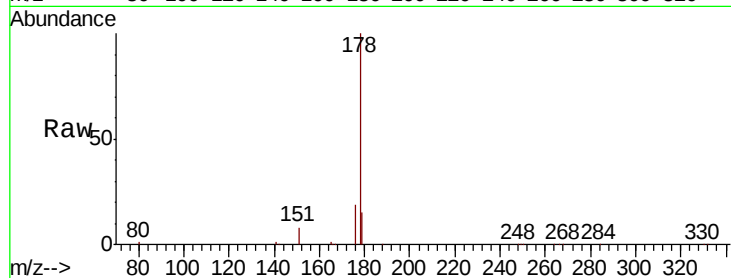
Tot Ion:178 Resp: 39329

Ion Ratio Lower Upper

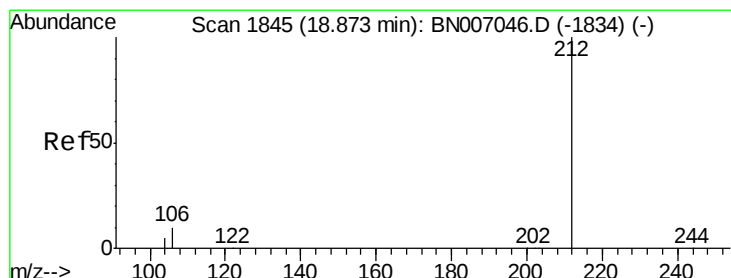
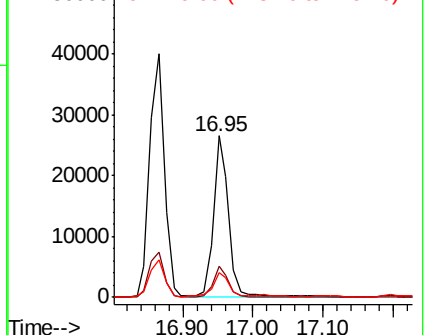
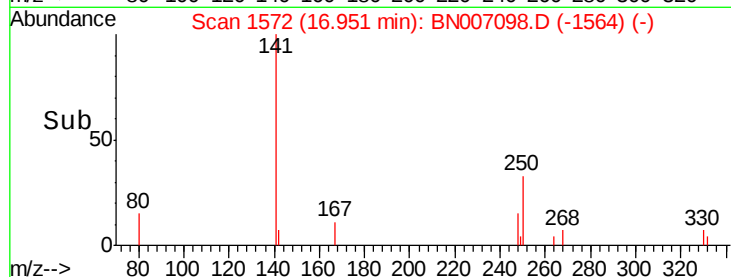
178 100

176 18.4 14.6 21.8

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



#24

Fluoranthene-d10

Concen: 0.313 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

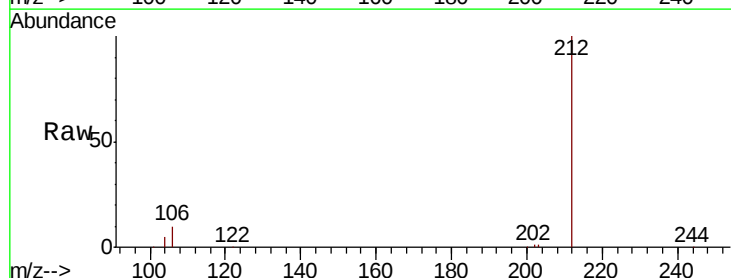
Tgt Ion:212 Resp: 55422

Ion Ratio Lower Upper

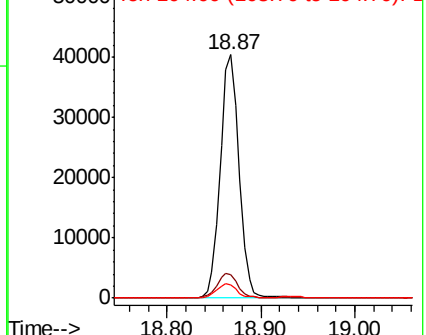
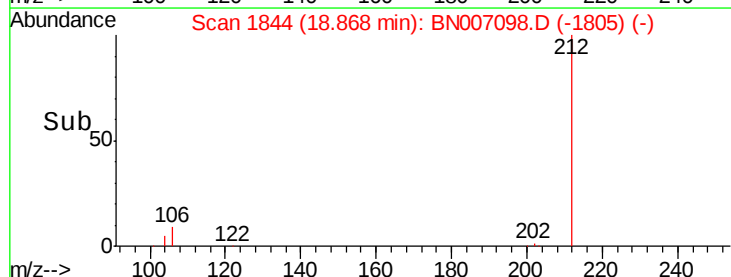
212 100

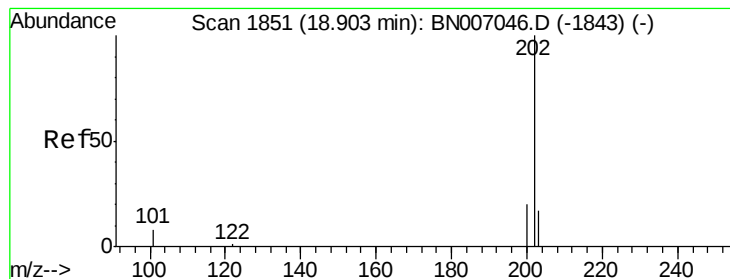
106 10.2 8.2 12.2

104 5.6 4.5 6.7



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E





#25

Fluoranthene

Concen: 0.456 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

Instrument :

BNA_N

ClientSampleId :

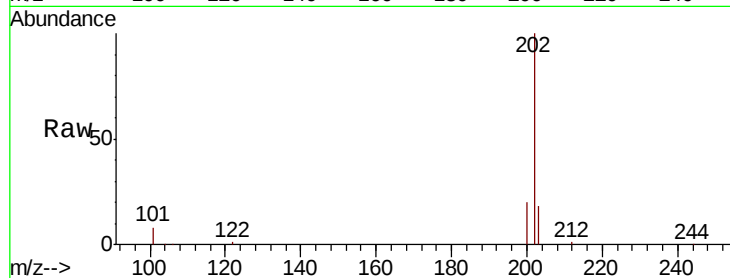
Tot Ion:202 Resp: 87298

Ion Ratio Lower Upper

202 100

101 8.6 7.0 10.4

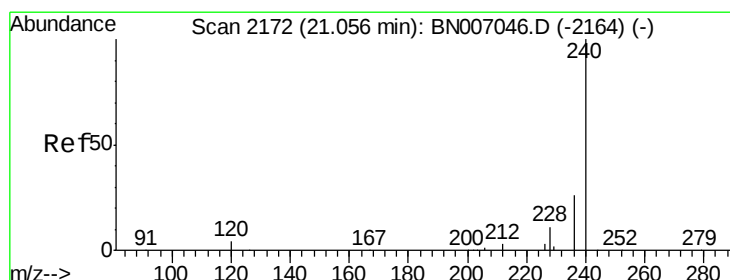
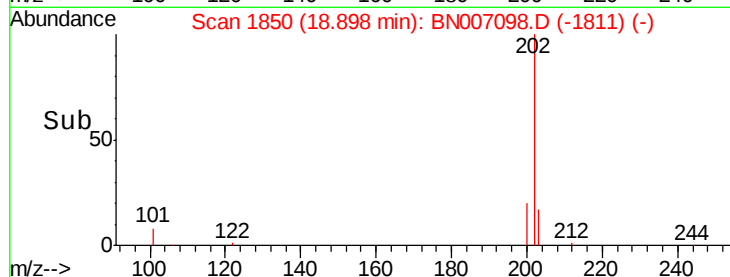
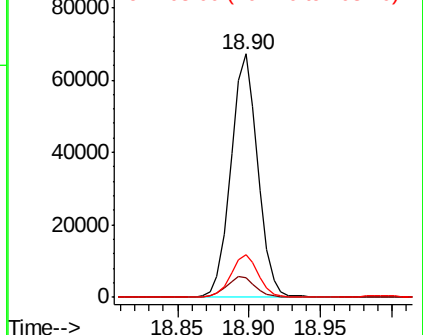
203 17.3 13.8 20.8



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



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.05 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

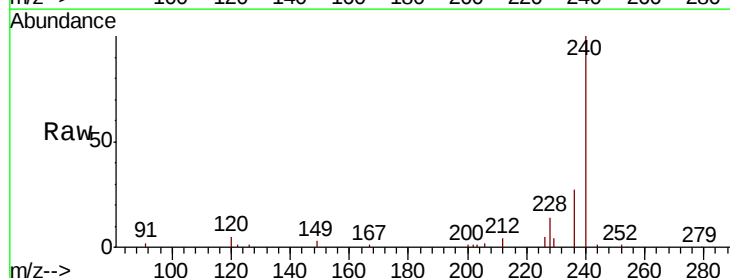
Tgt Ion:240 Resp: 51775

Ion Ratio Lower Upper

240 100

120 5.5 4.0 6.0

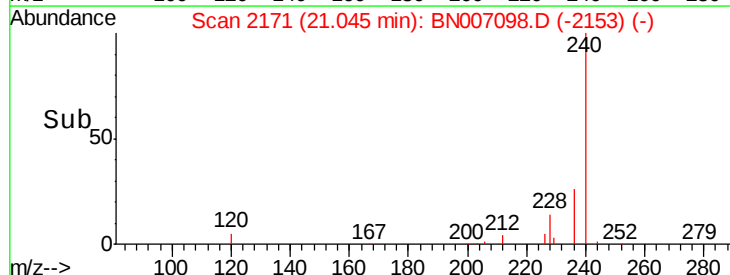
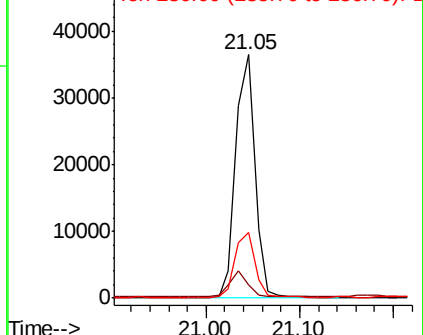
236 26.7 21.3 31.9

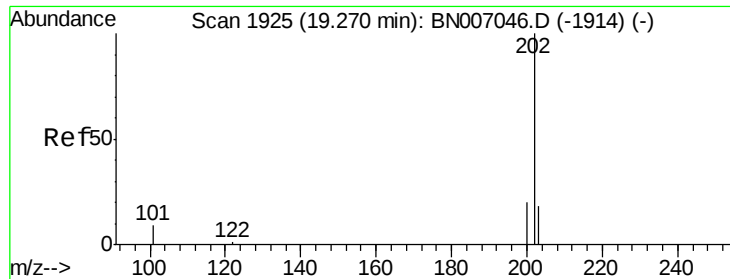


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

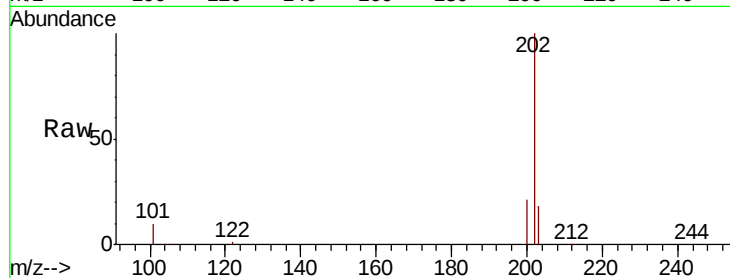




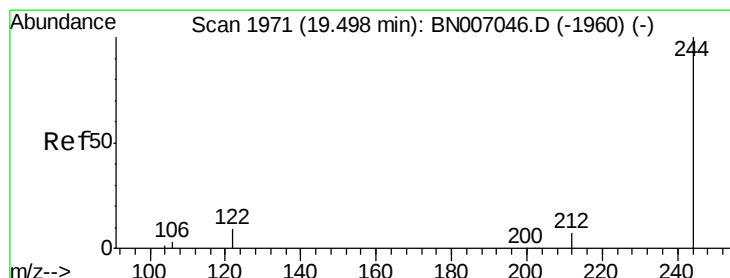
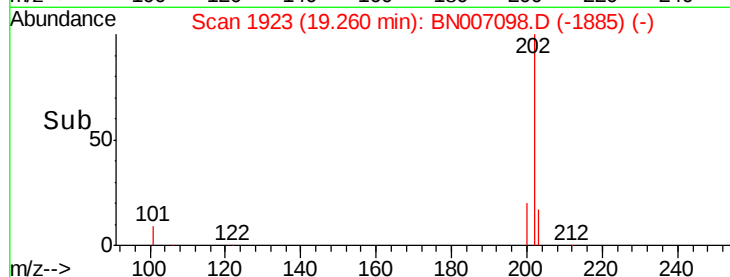
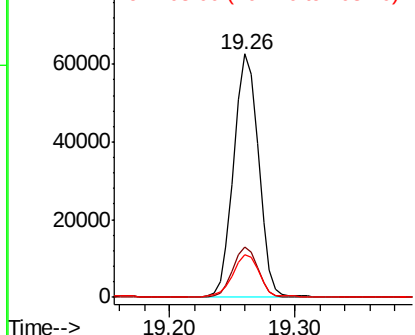
#27
Pvrene
Concen: 0.472 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007098.D
Acq: 12 Aug 2019 15:17

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 85654
Ion Ratio Lower Upper
202 100
200 20.7 16.6 24.8
203 18.4 14.0 21.0

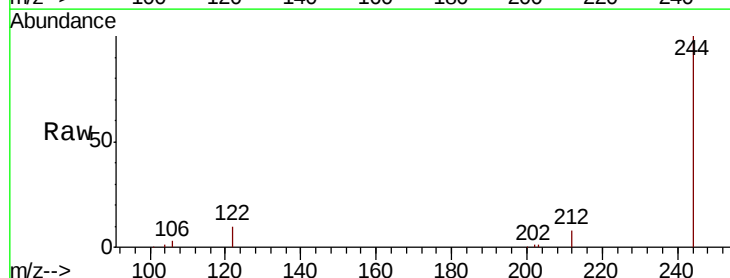


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

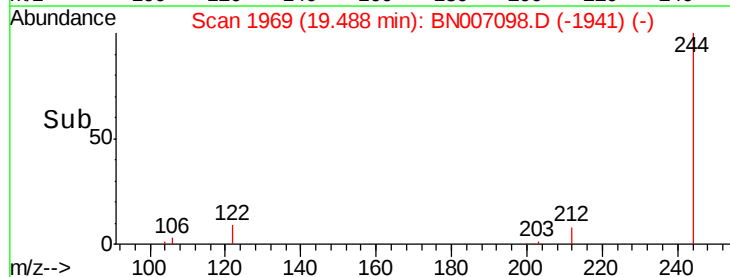
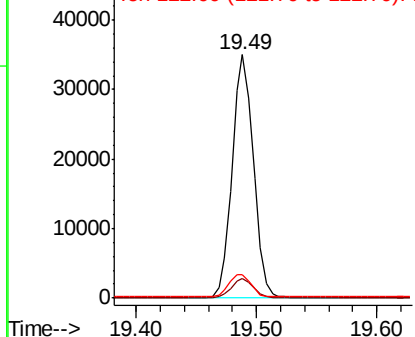


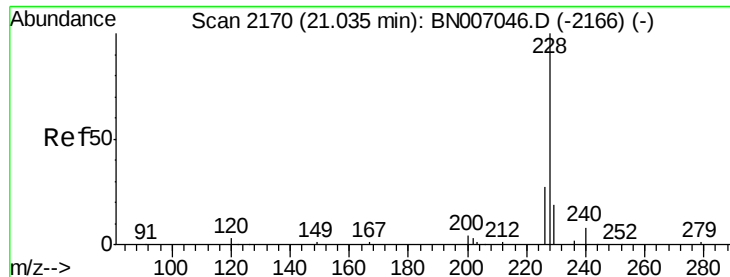
#28
Terphenyl-d14
Concen: 0.303 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007098.D
Acq: 12 Aug 2019 15:17

Tgt Ion:244 Resp: 42819
Ion Ratio Lower Upper
244 100
212 8.0 6.2 9.2
122 9.7 7.4 11.2



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





#29

Benzo(a)anthracene

Concen: 0.328 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

Instrument :

BNA_N

ClientSampleId :

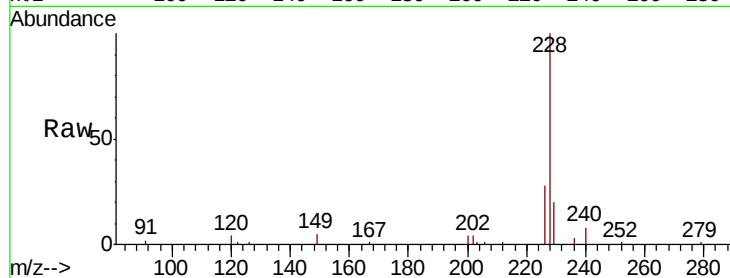
Tot Ion:228 Resp: 62138

Ion Ratio Lower Upper

228 100

226 27.9 21.8 32.6

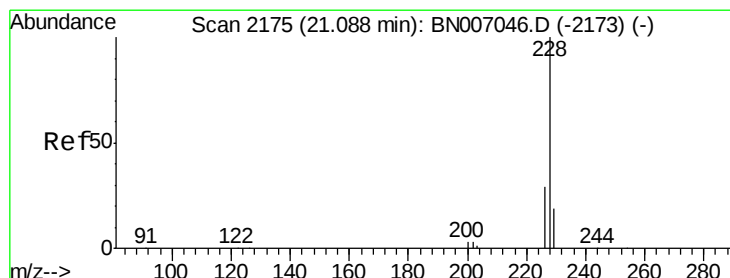
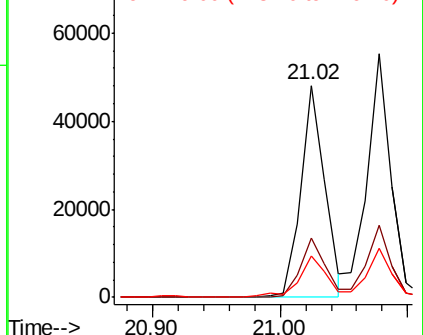
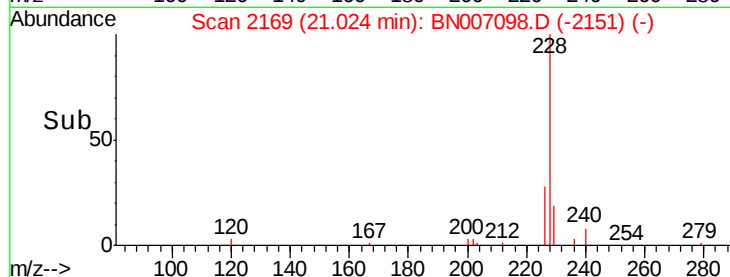
229 19.8 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#30

Chrysene

Concen: 0.381 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

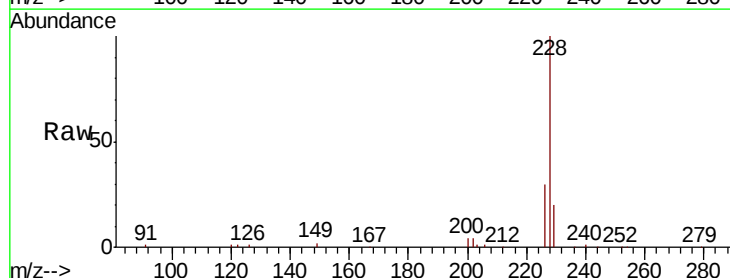
Tgt Ion:228 Resp: 70128

Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.6

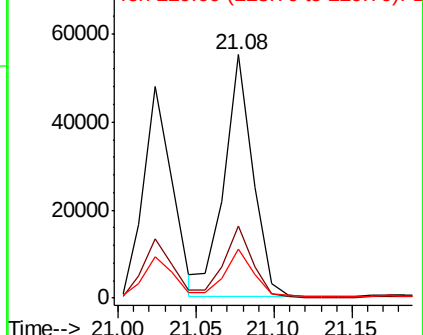
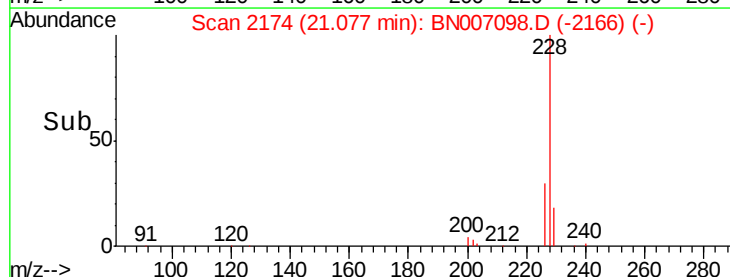
229 20.1 15.7 23.5

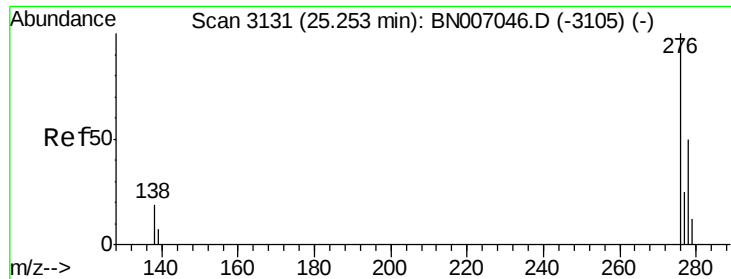


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

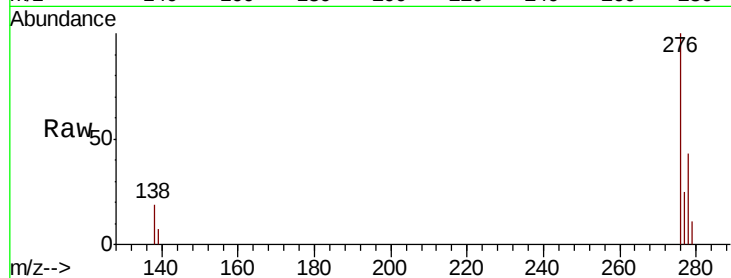




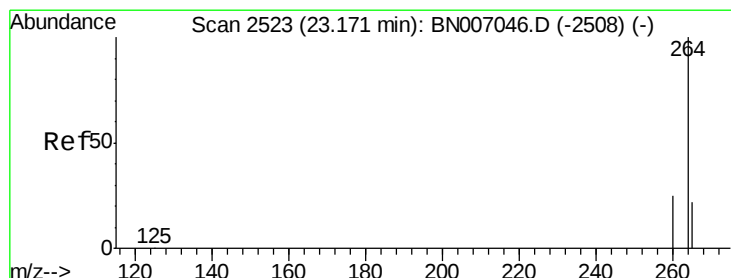
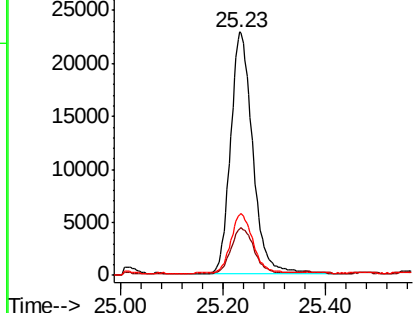
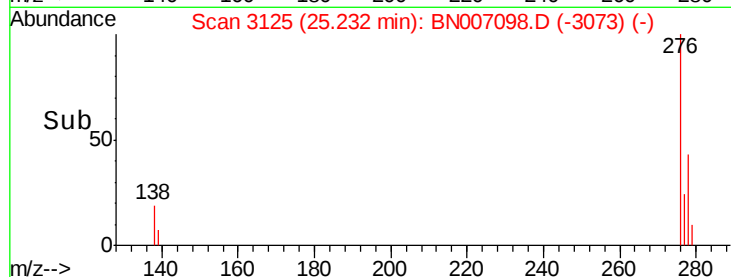
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.340 ng
 RT: 25.23 min Scan# 3125
 Delta R.T. -0.02 min
 Lab File: BN007098.D
 Acq: 12 Aug 2019 15:17

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 69020
 Ion Ratio Lower Upper
 276 100
 138 19.6 16.0 24.0
 277 24.0 19.9 29.9

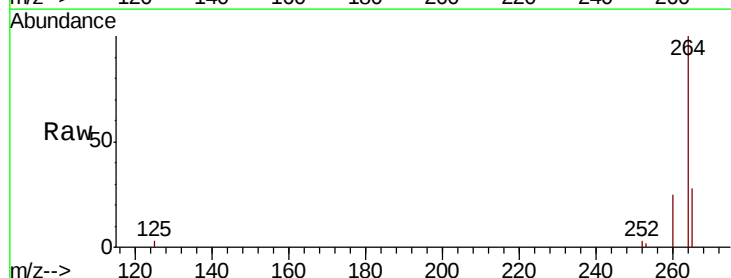


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

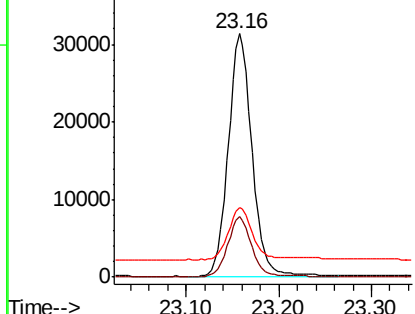
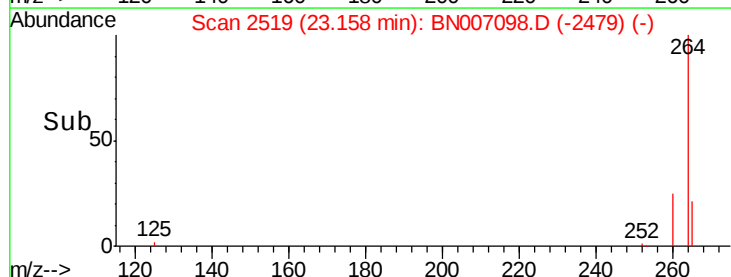


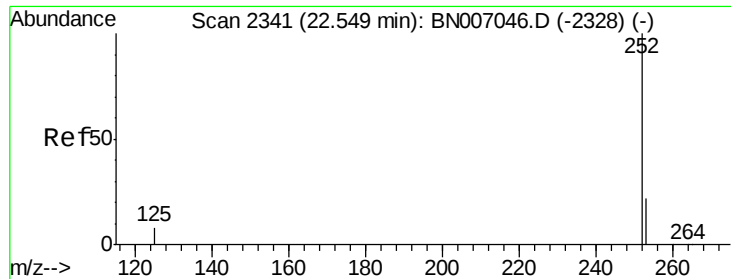
#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BN007098.D
 Acq: 12 Aug 2019 15:17

Tgt Ion:264 Resp: 55890
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.8 29.8
 265 28.3 26.2 39.4



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





#33

Benzo(b)fluoranthene

Concen: 0.391 ng

RT: 22.53 min Scan# 2337

Delta R.T. -0.01 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

Instrument :

BNA_N

ClientSampled :

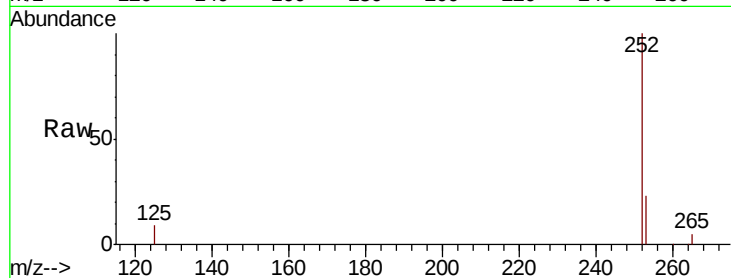
Tot Ion:252 Resp: 74988

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.2

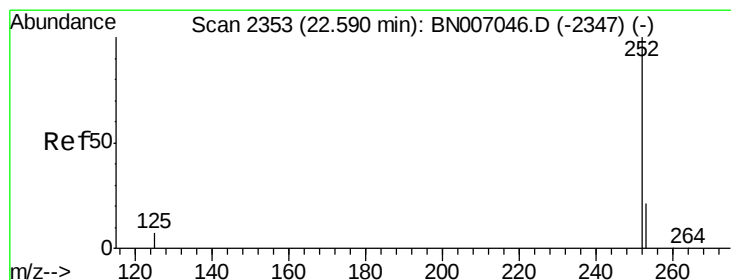
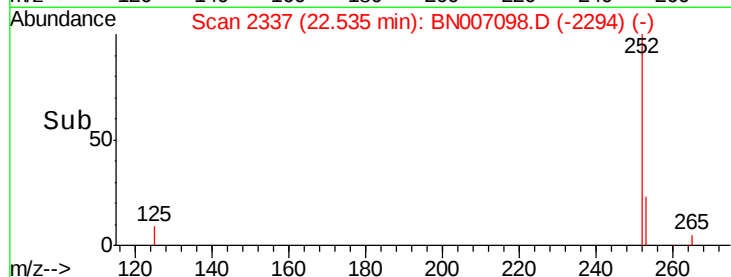
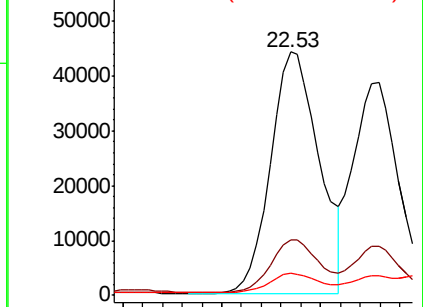
125 9.0 7.4 11.0



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



#34

Benzo(k)fluoranthene

Concen: 0.334 ng

RT: 22.58 min Scan# 2350

Delta R.T. -0.01 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

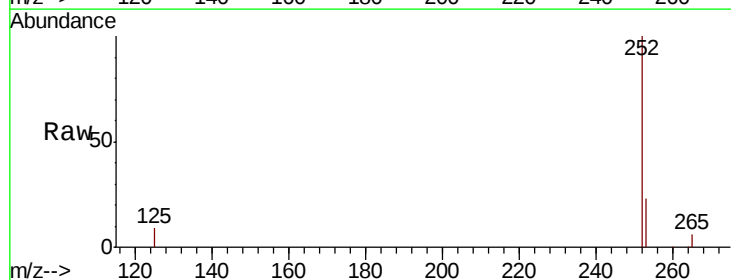
Tgt Ion:252 Resp: 63249

Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

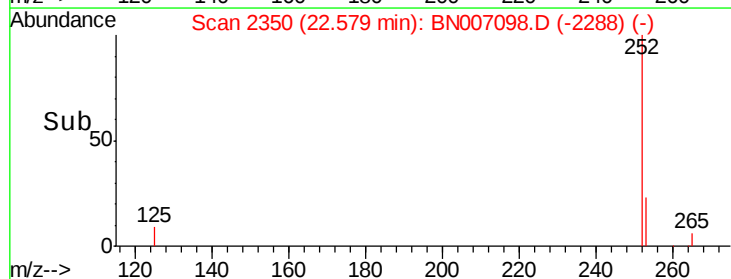
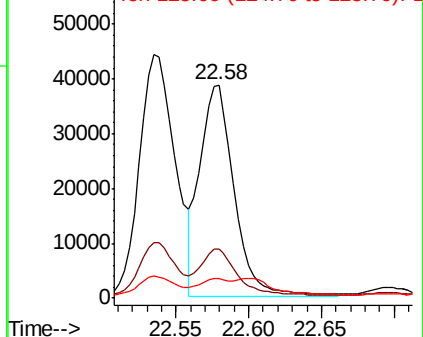
125 9.2 7.4 11.0

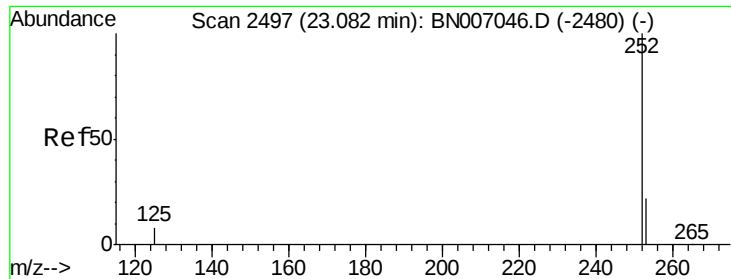


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.338 ng

RT: 23.07 min Scan# 2492

Delta R.T. -0.02 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

Instrument :

BNA_N

ClientSampleId :

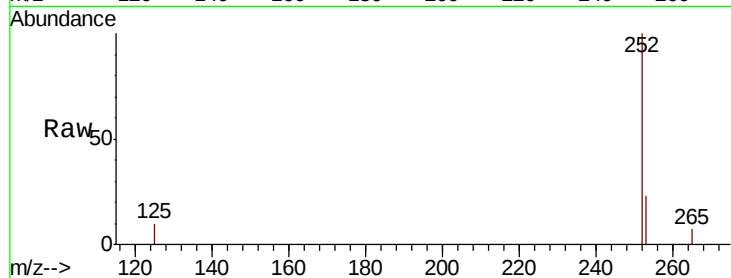
Tot Ion:252 Resp: 58692

Ion Ratio Lower Upper

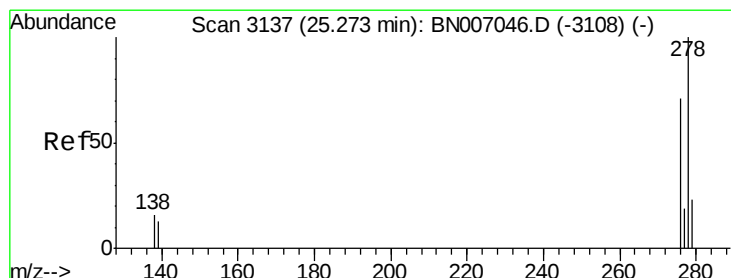
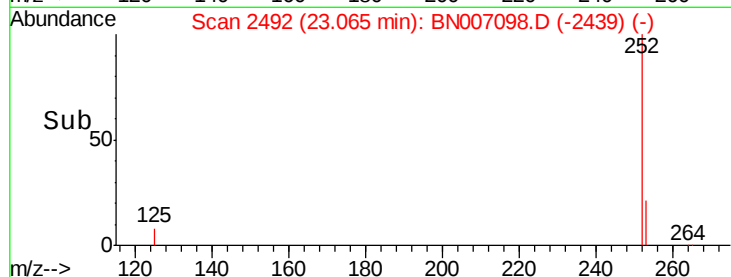
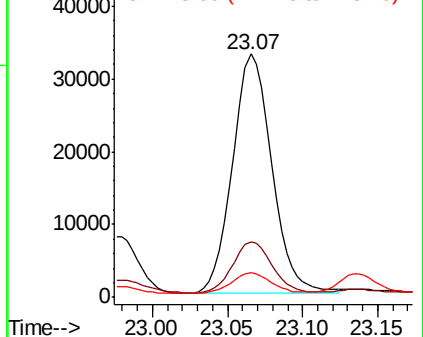
252 100

253 22.8 18.5 27.7

125 10.0 8.2 12.4



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



#36

Dibenzo(a,h)anthracene

Concen: 0.283 ng

RT: 25.25 min Scan# 3131

Delta R.T. -0.02 min

Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

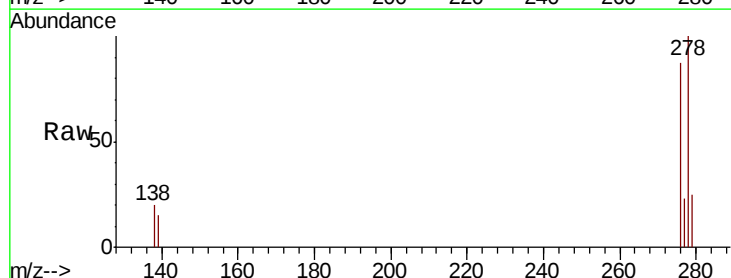
Tgt Ion:278 Resp: 49060

Ion Ratio Lower Upper

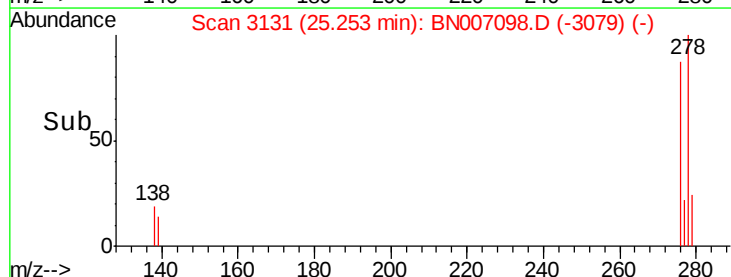
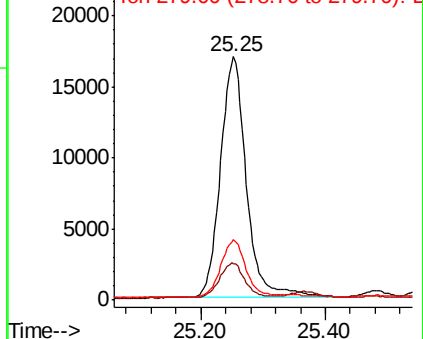
278 100

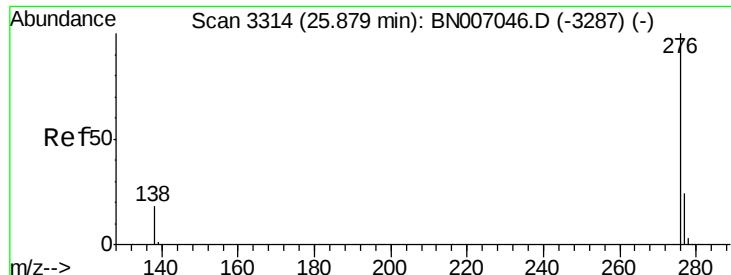
139 14.9 11.3 16.9

279 24.9 19.3 28.9



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





#37

Benzo(a,h,i)perylene

Concen: 0.338 ng

RT: 25.86 min Scan# 3309

Delta R.T. -0.02 min

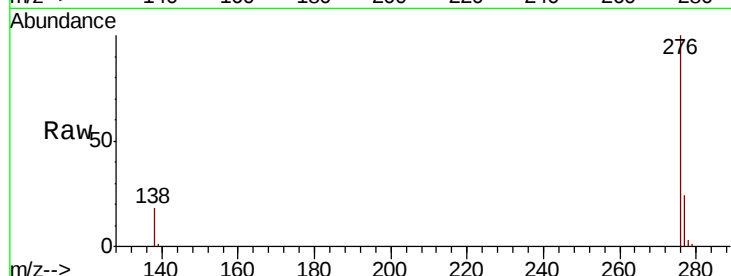
Lab File: BN007098.D

Acq: 12 Aug 2019 15:17

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 60275

Ion Ratio Lower Upper

276 100

277 24.3 19.8 29.8

138 18.3 14.6 22.0

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

