

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
 Data File : BN007100.D
 Acq On : 12 Aug 2019 16:29
 Operator : HP/JU
 Sample : K4240-05MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 13 04:15:32 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	7426	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	27353	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	15539	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	38116	0.40	ng	0.00
26) Chrysene-d12	21.05	240	40103	0.40	ng	-0.01
32) Perylene-d12	23.16	264	43622	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	6196	0.35	ng	0.00
4) Phenol-d6	6.61	99	8476	0.38	ng	0.00
7) Nitrobenzene-d5	8.56	82	6406	0.29	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	20038	0.39	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1582	0.19	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	4090	0.18	ng	0.00
24) Fluoranthene-d10	18.87	212	38543	0.29	ng	0.00
28) Terphenyl-d14	19.49	244	28240	0.26	ng	-0.01

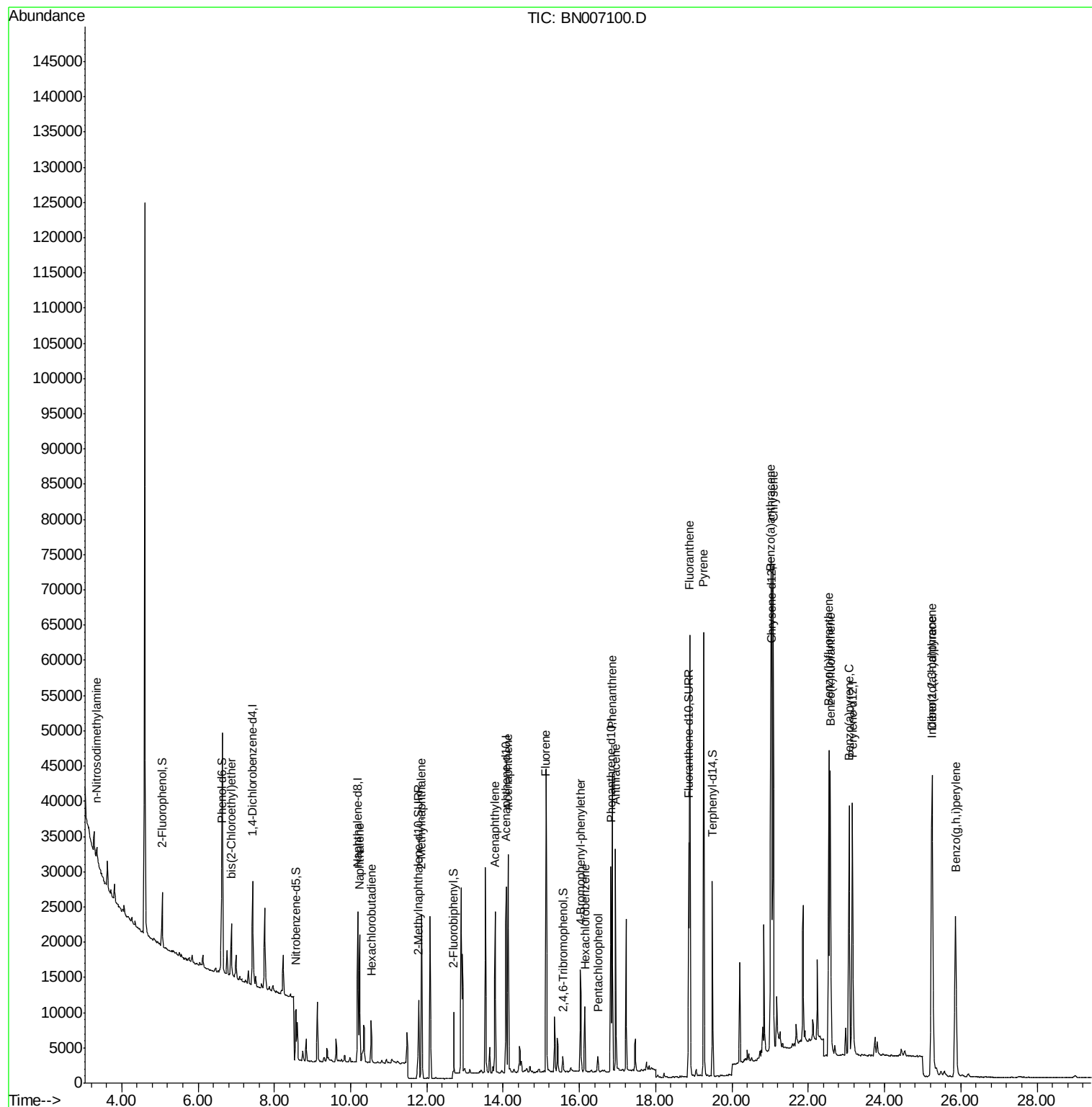
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.34	42	1585	0.324	ng	# 96
5) bis(2-Chloroethyl)ether	6.87	93	6343	0.325	ng	98
8) Naphthalene	10.24	128	23752	0.310	ng	99
9) Hexachlorobutadiene	10.54	225	4802	0.294	ng	# 99
11) 2-Methylnaphthalene	11.86	142	16846	0.310	ng	98
15) Acenaphthylene	13.79	152	24738	0.305	ng	100
16) Acenaphthene	14.13	154	15621	0.300	ng	99
17) Fluorene	15.12	166	20452	0.263	ng	100
19) 4-Bromophenyl-phenylether	16.03	248	8473	0.359	ng	# 84
20) Hexachlorobenzene	16.14	284	7137	0.315	ng	99
21) Pentachlorophenol	16.48	266	1206	0.143	ng	97
22) Phenanthrene	16.87	178	42060	0.368	ng	100
23) Anthracene	16.95	178	32879	0.315	ng	99
25) Fluoranthene	18.90	202	56736	0.388	ng	100
27) Pyrene	19.26	202	57632	0.410	ng	99
29) Benzo(a)anthracene	21.02	228	53262	0.363	ng	99
30) Chrysene	21.08	228	53522	0.376	ng	99
31) Indeno(1,2,3-cd)pyrene	25.24	276	56018	0.357	ng	99
33) Benzo(b)fluoranthene	22.54	252	55270	0.369	ng	99
34) Benzo(k)fluoranthene	22.58	252	52902	0.358	ng	99
35) Benzo(a)pyrene	23.07	252	48690	0.359	ng	100
36) Dibenzo(a,h)anthracene	25.25	278	43857	0.324	ng	98
37) Benzo(g,h,i)perylene	25.86	276	48009	0.345	ng	99

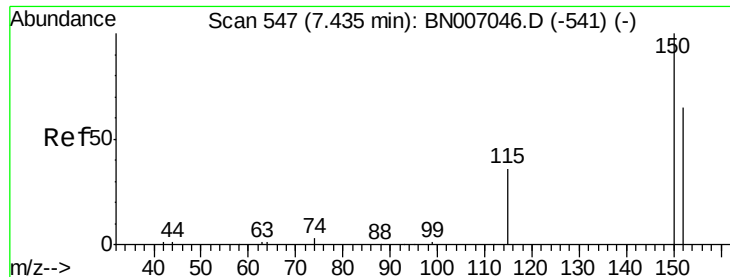
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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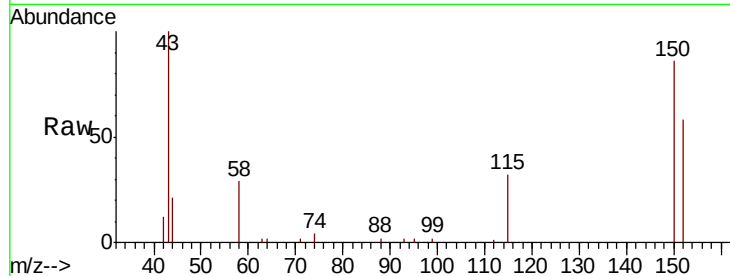


#1

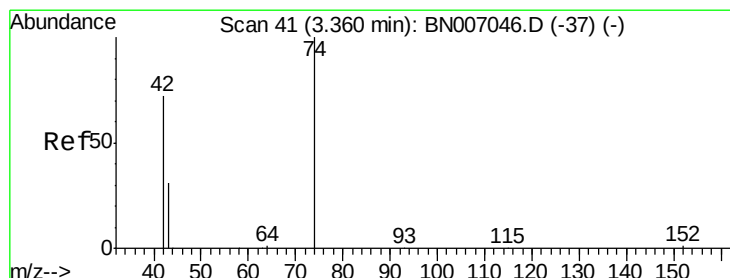
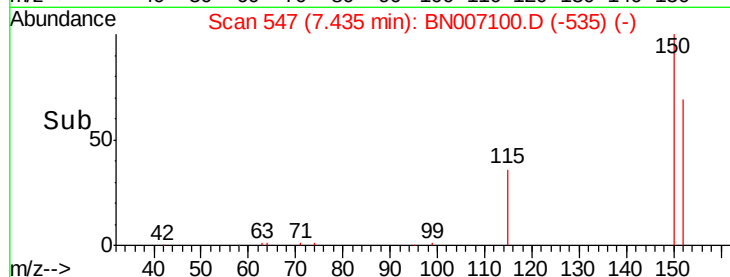
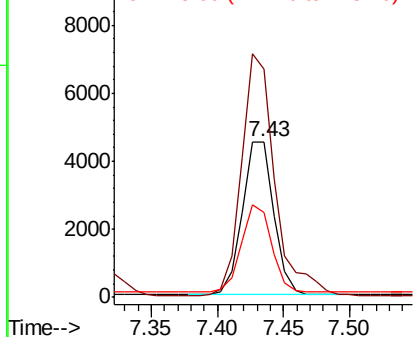
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007100.D
Acq: 12 Aug 2019 16:29

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 7426
Ion Ratio Lower Upper
152 100
150 147.1 121.7 182.5
115 54.8 46.2 69.4



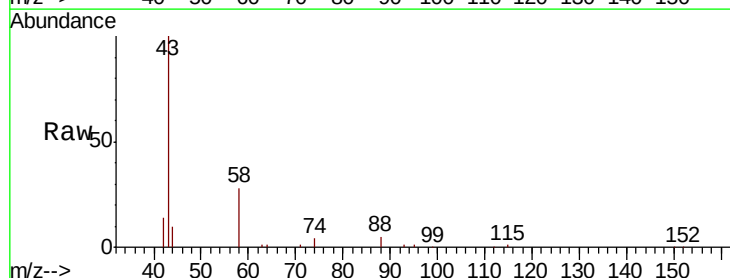
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



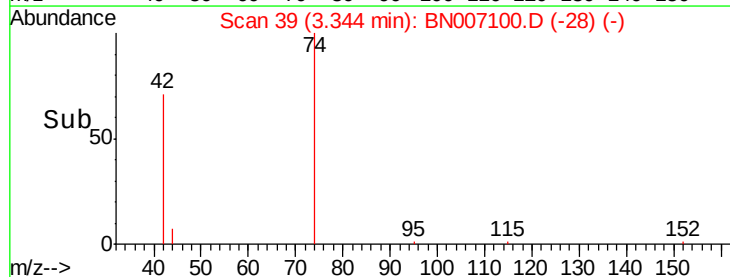
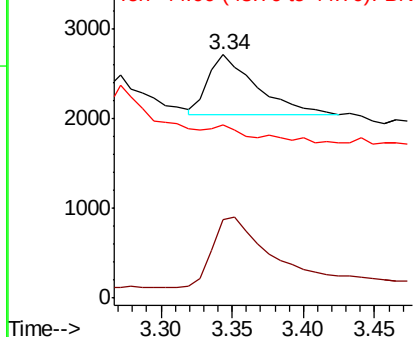
#2

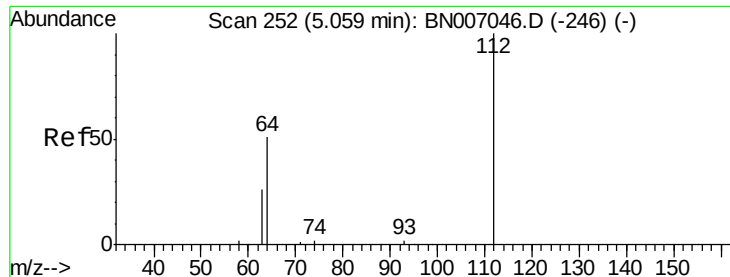
n-Nitrosodimethylamine
Concen: 0.324 ng
RT: 3.34 min Scan# 39
Delta R.T. -0.02 min
Lab File: BN007100.D
Acq: 12 Aug 2019 16:29

Tgt Ion: 42 Resp: 1585
Ion Ratio Lower Upper
42 100
74 143.4 110.6 166.0
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: 0.347 ng

RT: 5.06 min Scan# 252

Delta R.T. -0.00 min

Lab File: BN007100.D

Acq: 12 Aug 2019 16:29

Instrument :

BNA_N

ClientSampleId :

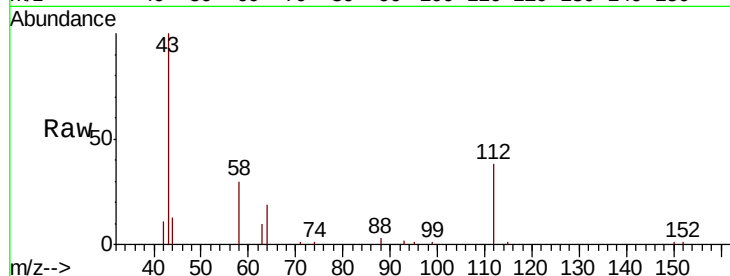
Tot Ion: 112 Resp: 6196

Ion Ratio Lower Upper

112 100

64 52.9 42.6 63.8

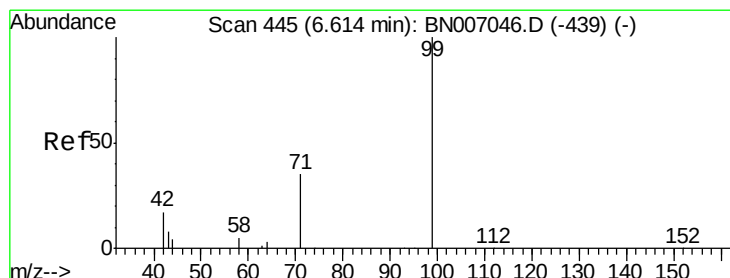
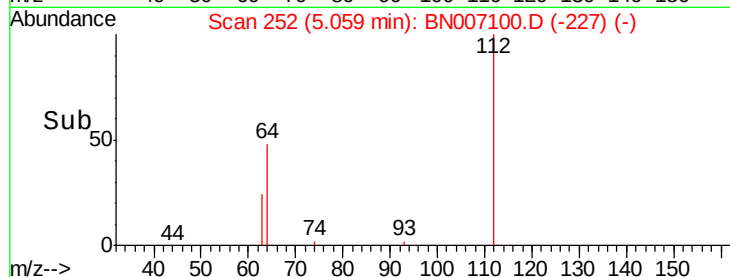
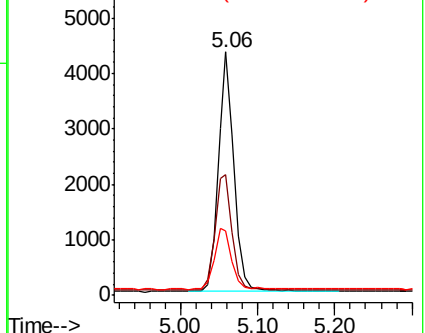
63 28.6 22.2 33.2



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: 0.383 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007100.D

Acq: 12 Aug 2019 16:29

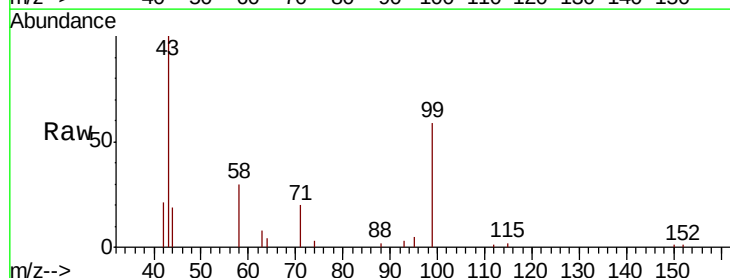
Tgt Ion: 99 Resp: 8476

Ion Ratio Lower Upper

99 100

42 0.0 15.8 23.6#

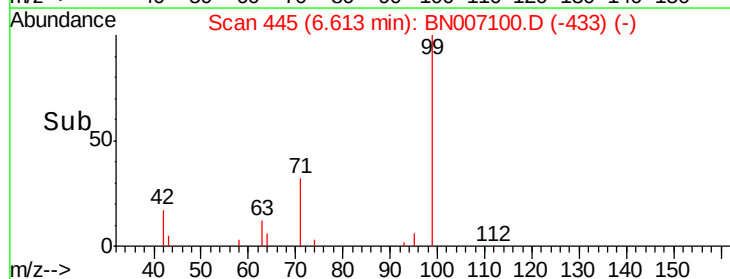
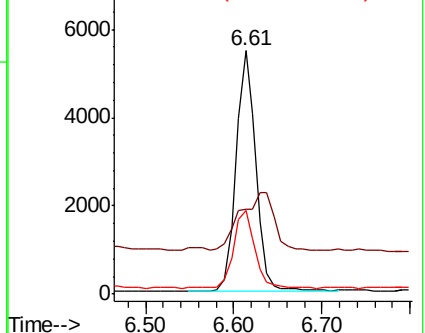
71 35.4 27.0 40.4

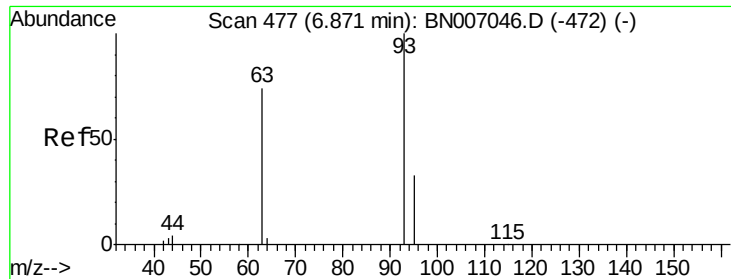


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#5

bis(2-Chloroethyl)ether

Concen: 0.325 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.00 min

Lab File: BN007100.D

Acq: 12 Aug 2019 16:29

Instrument :

BNA_N

ClientSampleId :

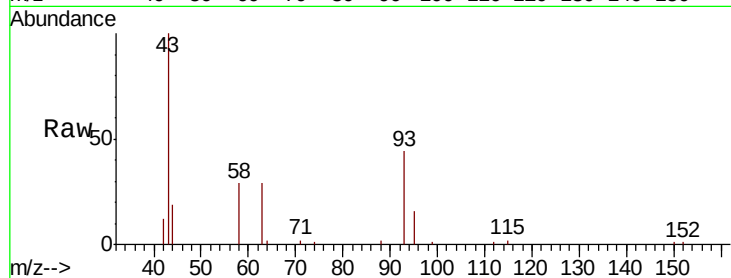
Tot Ion: 93 Resp: 6343

Ion Ratio Lower Upper

93 100

63 68.0 55.6 83.4

95 32.8 26.7 40.1

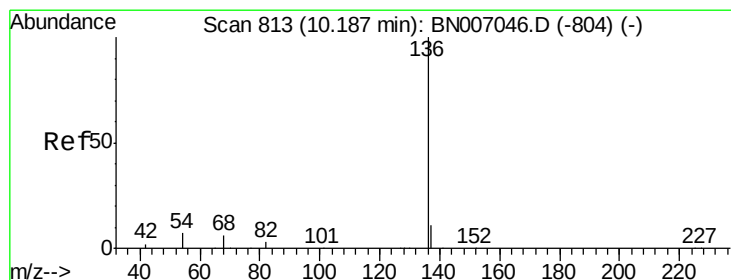
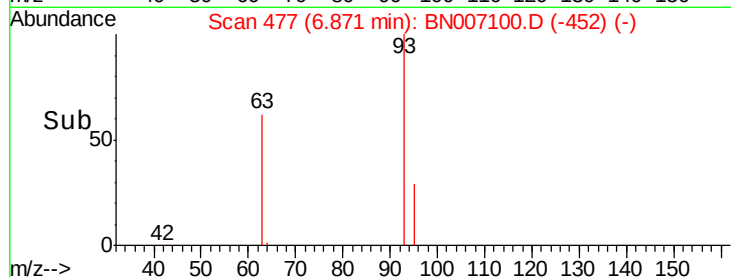
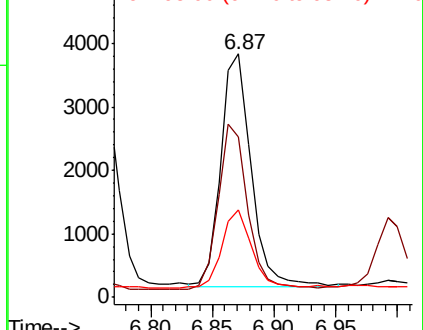


Abundance

Ion 93.00 (92.70 to 93.70): BN0

Ion 63.00 (62.70 to 63.70): BN0

Ion 95.00 (94.70 to 95.70): BN0



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007100.D

Acq: 12 Aug 2019 16:29

Tgt Ion: 136 Resp: 27353

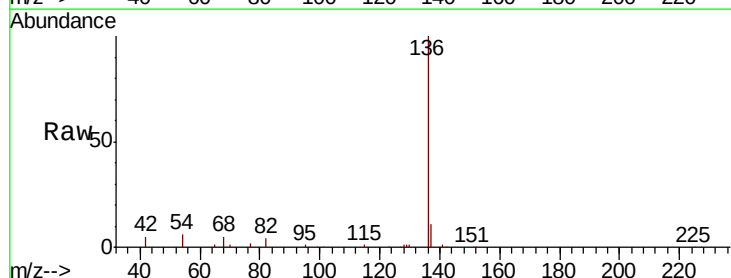
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.0

54 5.9 6.6 9.8#

68 5.5 6.0 9.0#



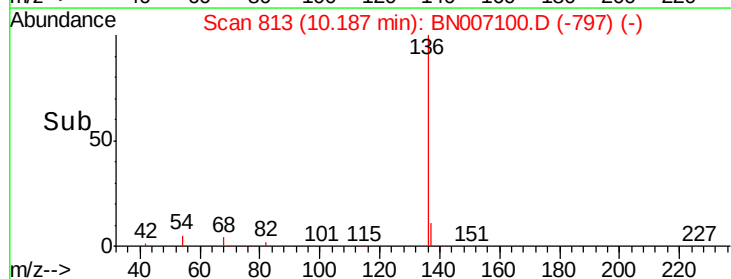
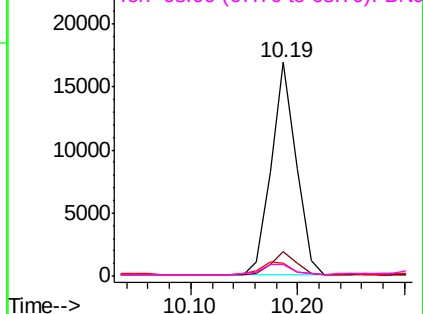
Abundance

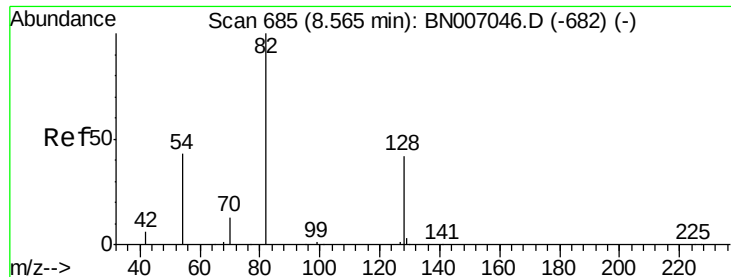
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BN0

Ion 68.00 (67.70 to 68.70): BN0





#7

Nitrobenzene-d5

Concen: 0.290 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007100.D

Acq: 12 Aug 2019 16:29

Instrument :

BNA_N

ClientSampled :

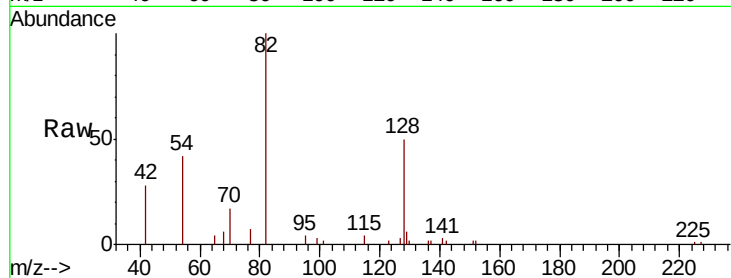
Tot Ion: 82 Resp: 6406

Ion Ratio Lower Upper

82 100

128 49.9 34.6 51.8

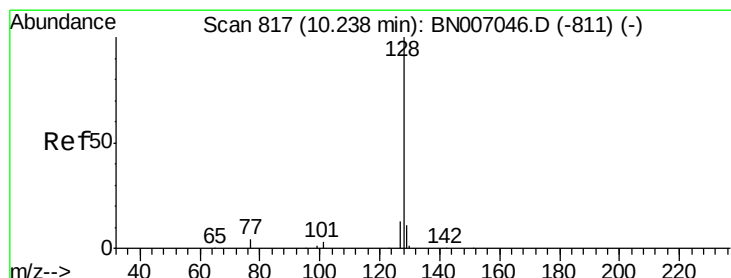
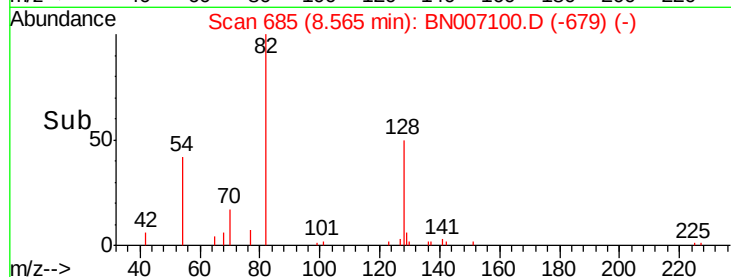
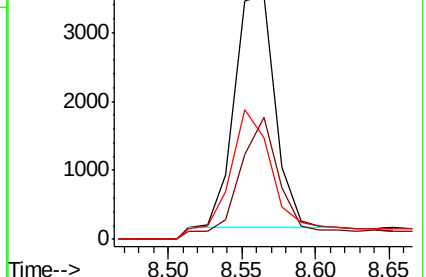
54 41.9 36.2 54.4



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

Naphthalene

Concen: 0.310 ng

RT: 10.24 min Scan# 817

Delta R.T. -0.00 min

Lab File: BN007100.D

Acq: 12 Aug 2019 16:29

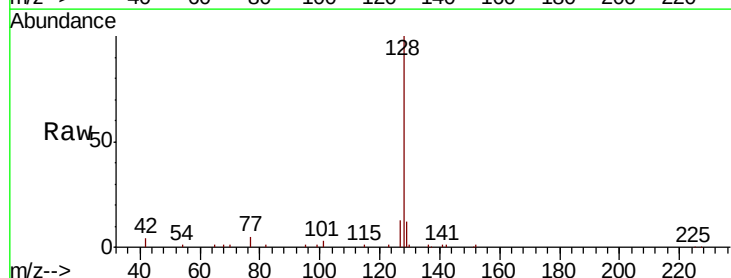
Tgt Ion: 128 Resp: 23752

Ion Ratio Lower Upper

128 100

129 11.6 9.4 14.2

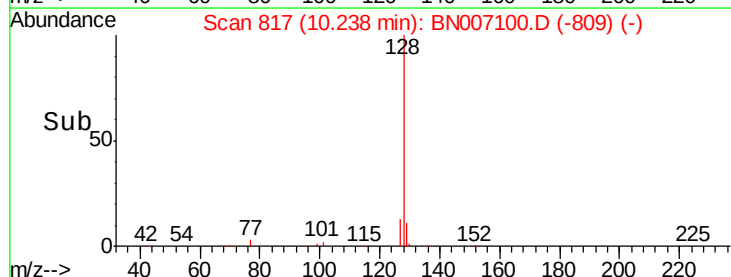
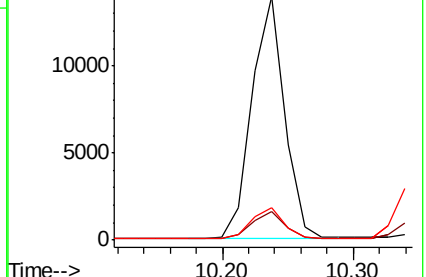
127 13.2 11.0 16.6

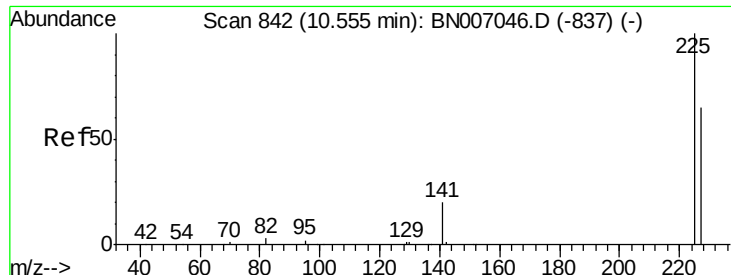


Abundance Ion 128.00 (127.70 to 128.70): BN007046.D (-811) (-)

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

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





#9

Hexachlorobutadiene

Concen: 0.294 ng

RT: 10.54 min Scan# 841

Delta R.T. -0.01 min

Lab File: BN007100.D

Acq: 12 Aug 2019 16:29

Instrument :

BNA_N

ClientSampleId :

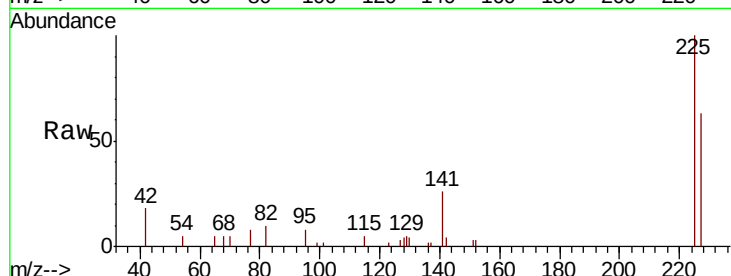
Tot Ion:225 Resp: 4802

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

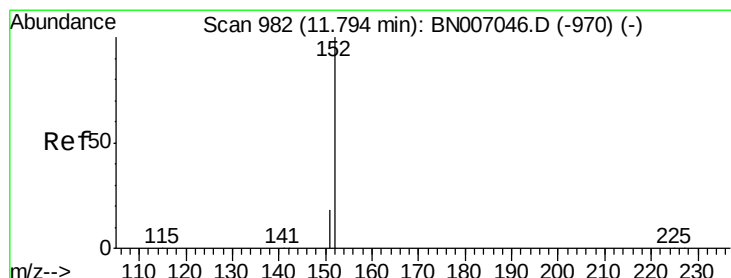
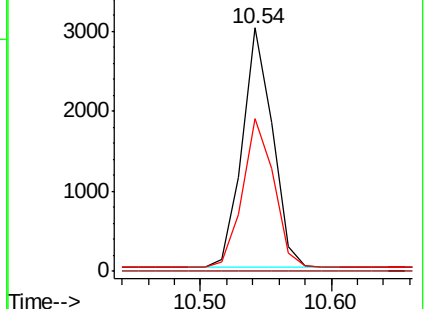
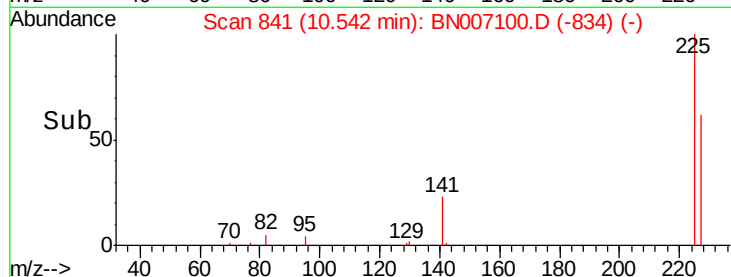
227 63.5 51.1 76.7



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: 0.393 ng

RT: 11.79 min Scan# 981

Delta R.T. -0.00 min

Lab File: BN007100.D

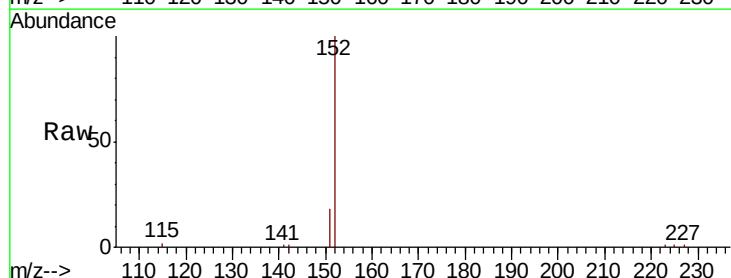
Acq: 12 Aug 2019 16:29

Tgt Ion:152 Resp: 20038

Ion Ratio Lower Upper

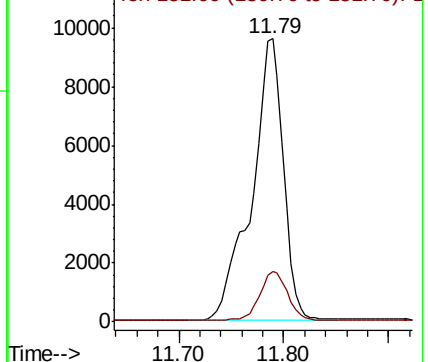
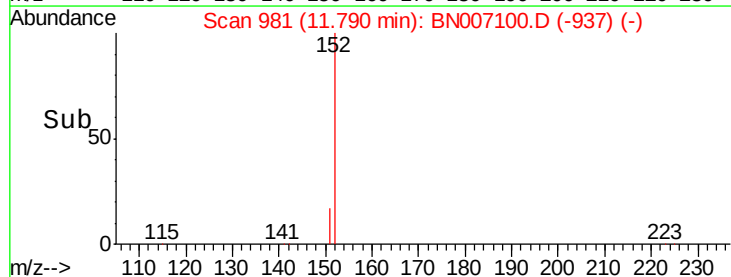
152 100

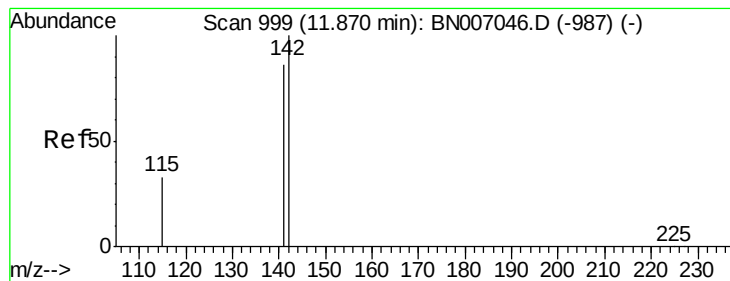
151 15.2 15.5 23.3#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#11

2-Methylnaphthalene

Concen: 0.310 ng

RT: 11.86 min Scan# 997

Delta R.T. -0.01 min

Lab File: BN007100.D

Acq: 12 Aug 2019 16:29

Instrument :

BNA_N

ClientSampled :

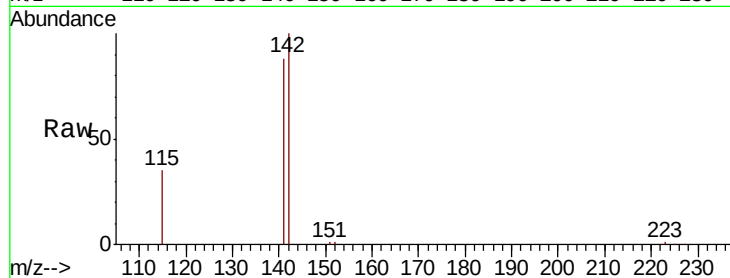
Tot Ion:142 Resp: 16846

Ion Ratio Lower Upper

142 100

141 88.3 69.0 103.6

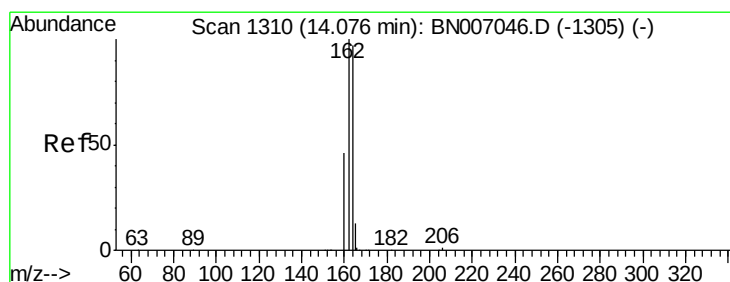
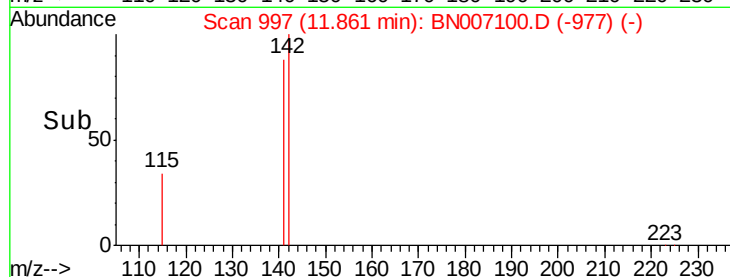
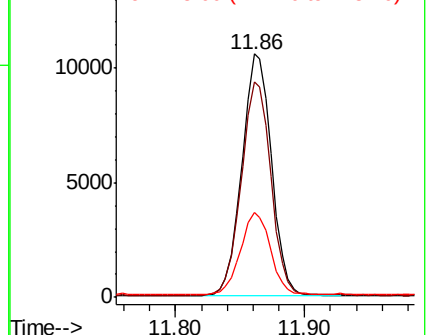
115 34.6 27.1 40.7



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: BN007100.D

Acq: 12 Aug 2019 16:29

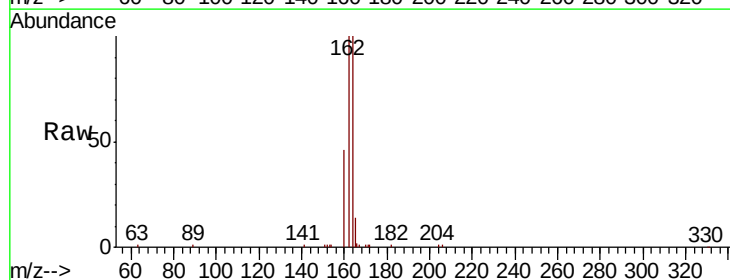
Tgt Ion:164 Resp: 15539

Ion Ratio Lower Upper

164 100

162 99.9 82.2 123.4

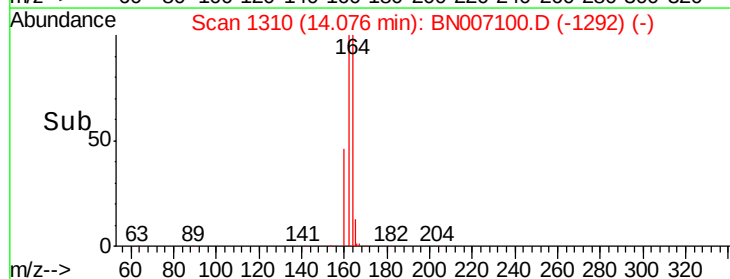
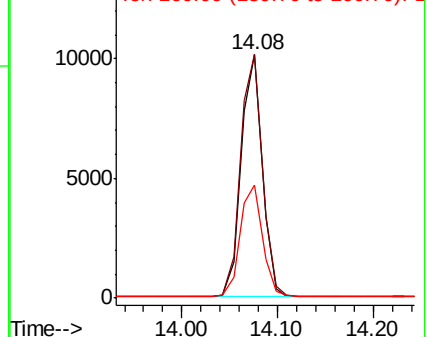
160 46.3 38.3 57.5

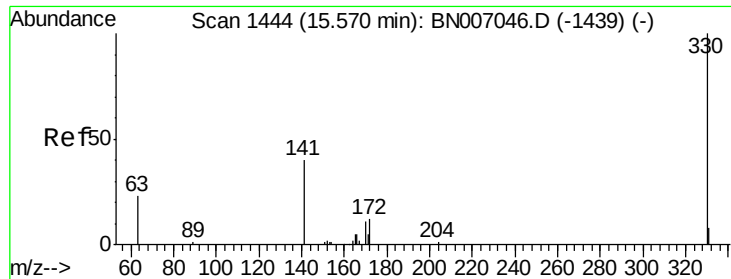


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

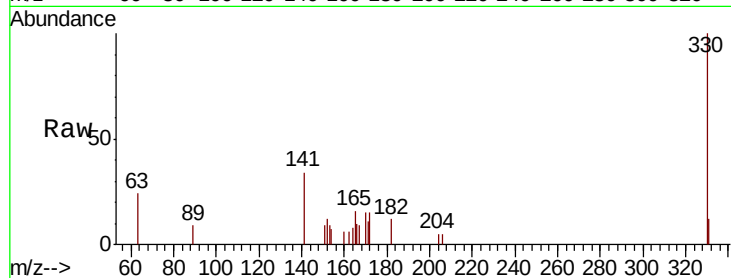




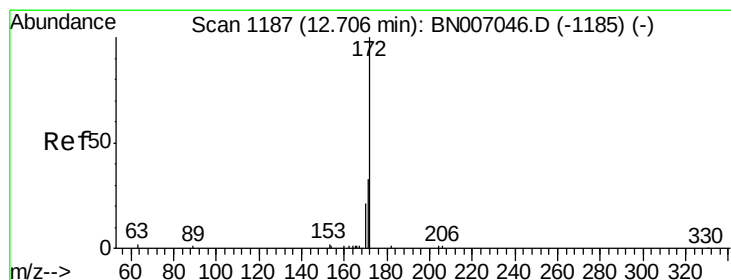
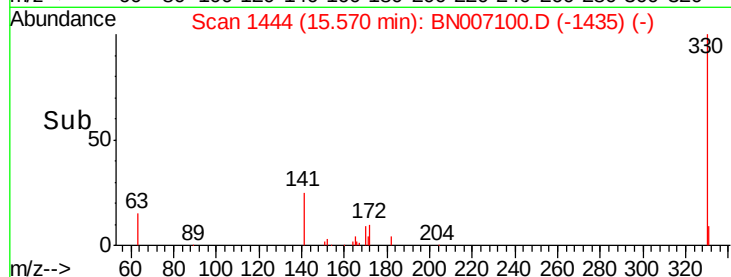
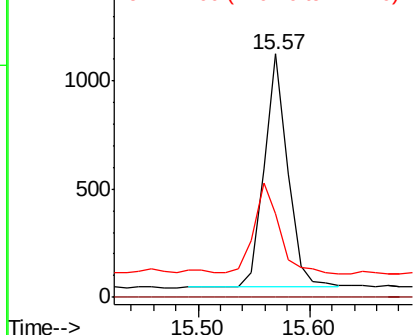
#13
 2,4,6-Tribromophenol
 Concen: 0.189 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007100.D
 Acq: 12 Aug 2019 16:29

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:330 Resp: 1582
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 42.5 33.6 50.4

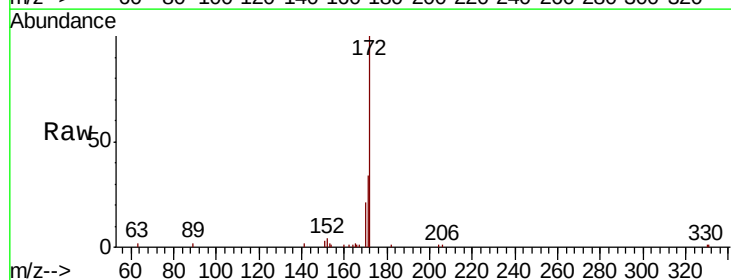


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

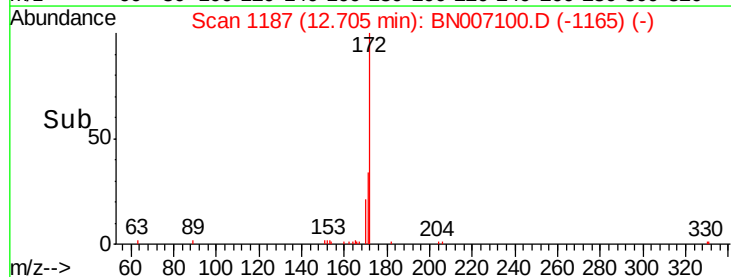
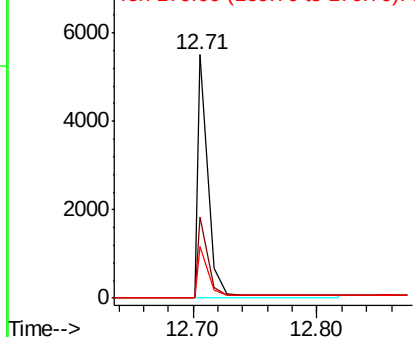


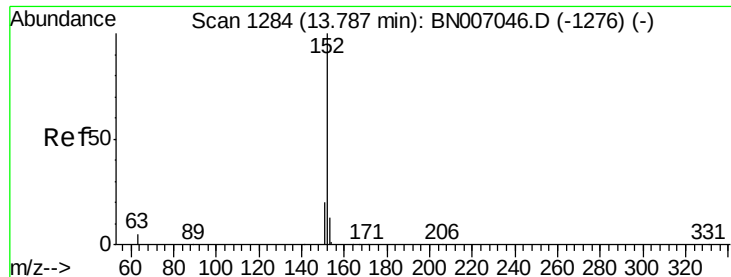
#14
 2-Fluorobiphenyl
 Concen: 0.181 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007100.D
 Acq: 12 Aug 2019 16:29

Tgt Ion:172 Resp: 4090
 Ion Ratio Lower Upper
 172 100
 171 33.5 26.3 39.5
 170 21.1 17.0 25.4



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





#15

Acenaphthylene

Concen: 0.305 ng

RT: 13.79 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BN007100.D

Acq: 12 Aug 2019 16:29

Instrument :

BNA_N

ClientSampleId :

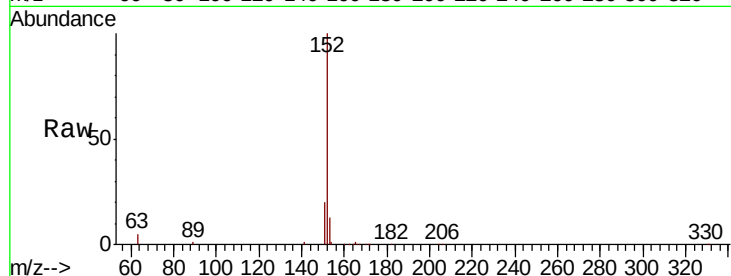
Tot Ion:152 Resp: 24738

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

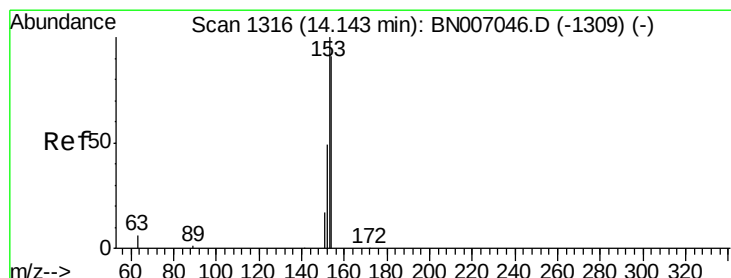
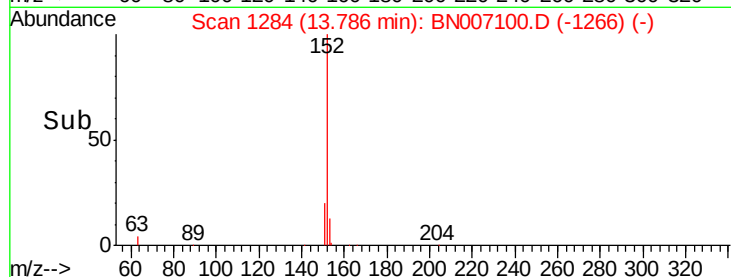
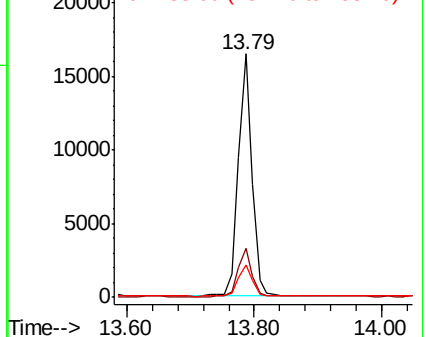
153 13.4 10.4 15.6



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: 0.300 ng

RT: 14.13 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BN007100.D

Acq: 12 Aug 2019 16:29

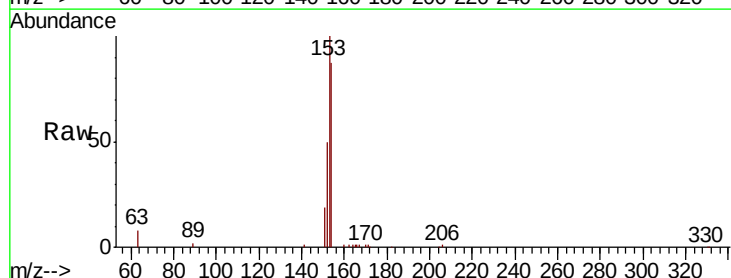
Tgt Ion:154 Resp: 15621

Ion Ratio Lower Upper

154 100

153 110.6 89.5 134.3

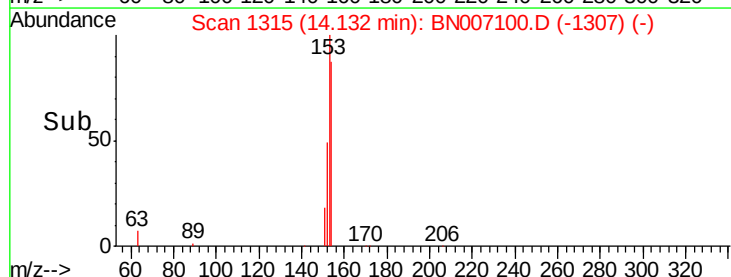
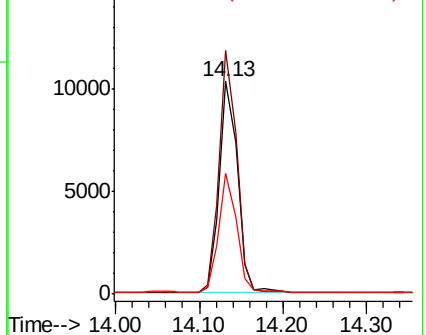
152 54.8 44.8 67.2

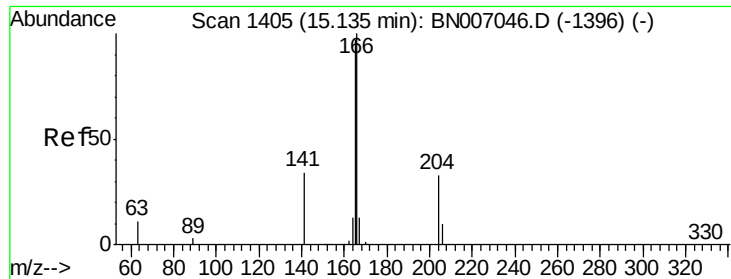


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

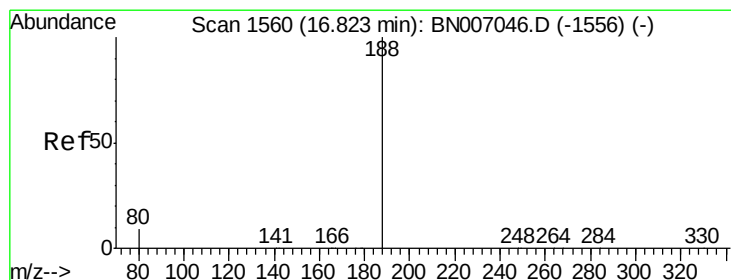
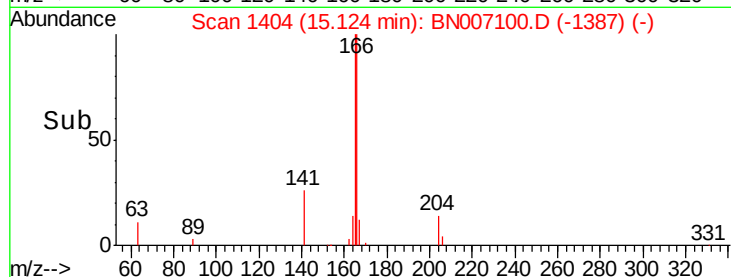
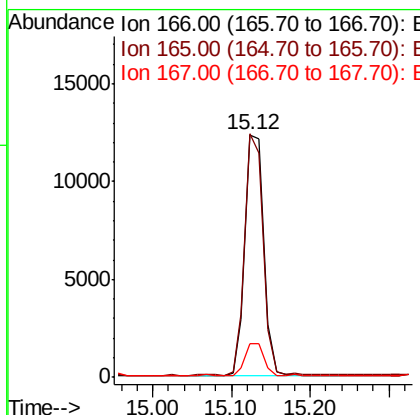
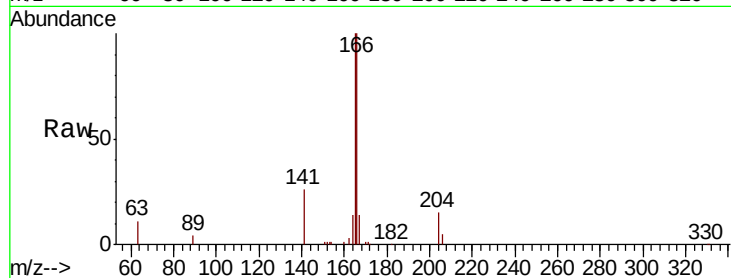




#17
 Fluorene
 Concen: 0.263 ng
 RT: 15.12 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BN007100.D
 Acq: 12 Aug 2019 16:29

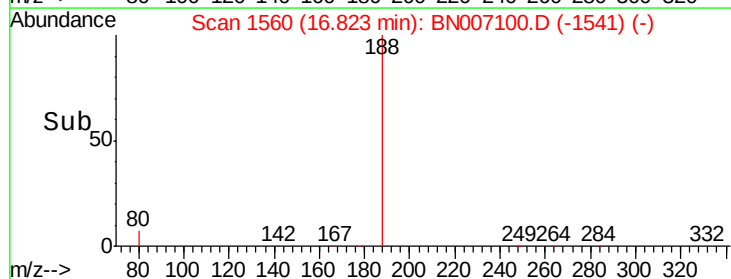
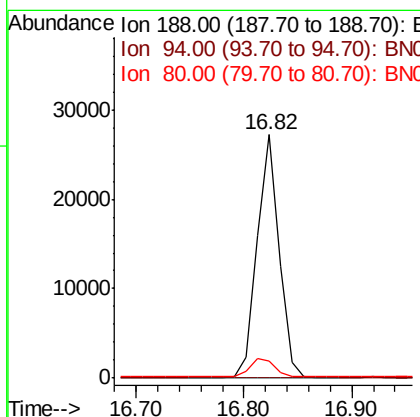
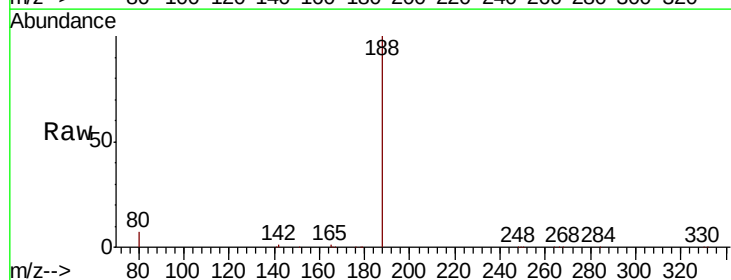
Instrument :
 BNA_N
 ClientSampleId :

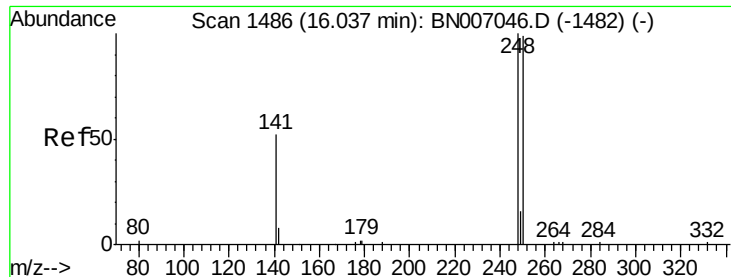
Tot Ion:166 Resp: 20452
 Ion Ratio Lower Upper
 166 100
 165 97.7 77.9 116.9
 167 13.3 10.9 16.3



#18
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BN007100.D
 Acq: 12 Aug 2019 16:29

Tgt Ion:188 Resp: 38116
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 7.1 7.8 11.6#

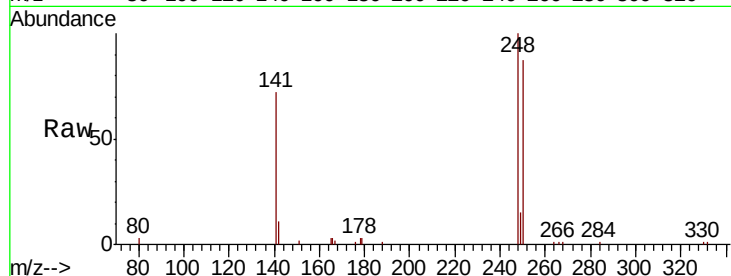




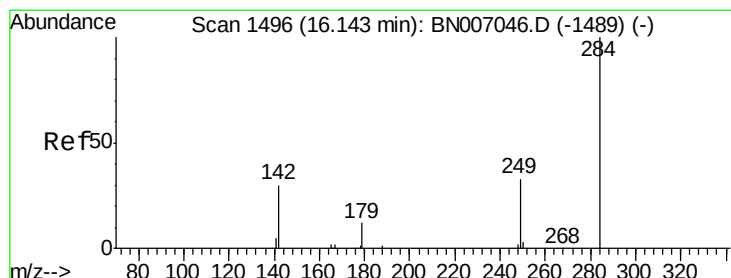
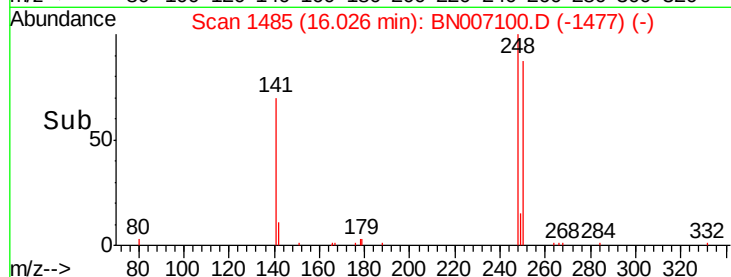
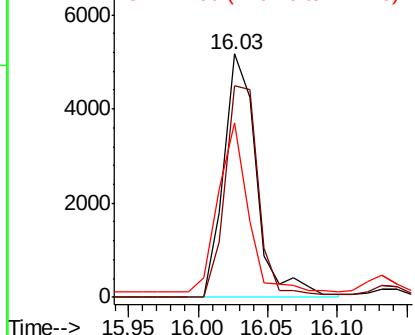
#19
4-Bromophenyl-phenylether
Concen: 0.359 ng
RT: 16.03 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BN007100.D
Acq: 12 Aug 2019 16:29

Instrument :
BNA_N
ClientSampleId :

Tot Ion:248 Resp: 8473
Ion Ratio Lower Upper
248 100
250 86.8 78.9 118.3
141 71.9 43.3 64.9#

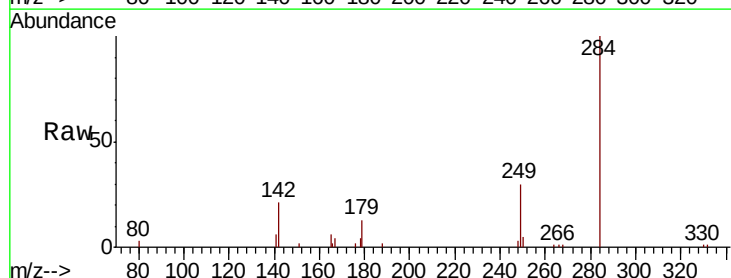


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

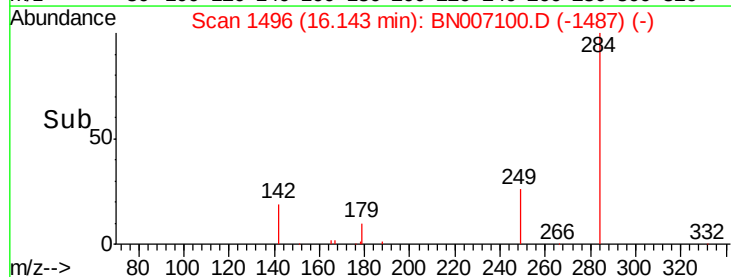
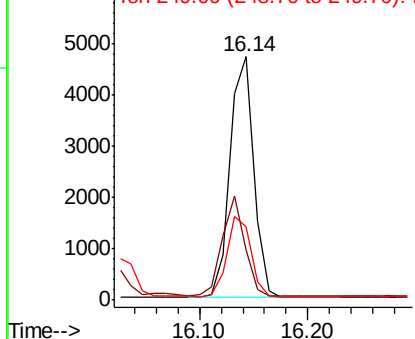


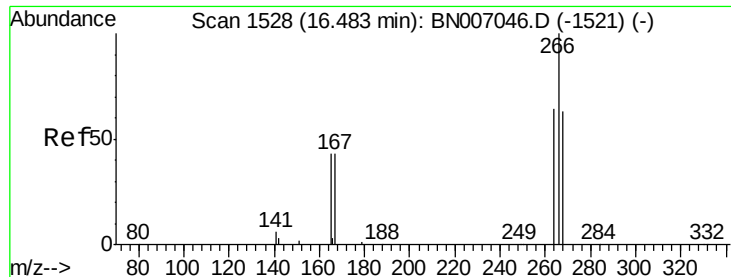
#20
Hexachlorobenzene
Concen: 0.315 ng
RT: 16.14 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BN007100.D
Acq: 12 Aug 2019 16:29

Tgt Ion:284 Resp: 7137
Ion Ratio Lower Upper
284 100
142 39.1 30.5 45.7
249 33.5 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

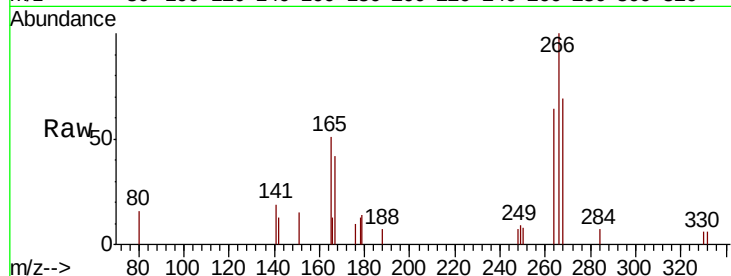




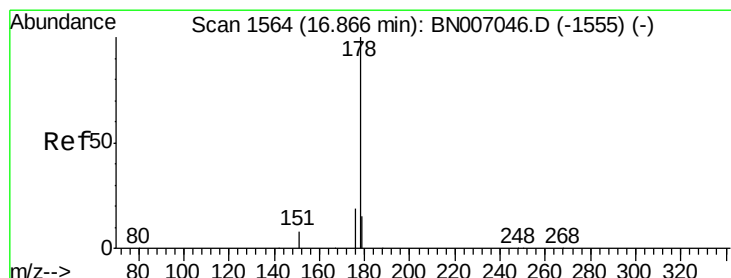
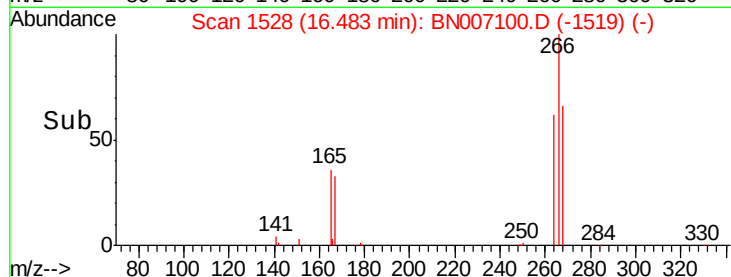
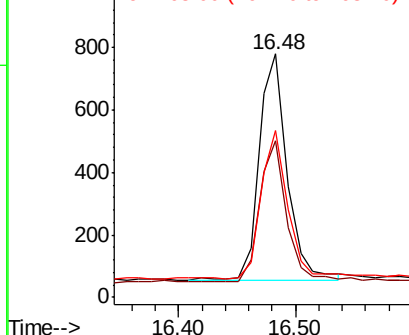
#21
 Pentachlorophenol
 Concen: 0.143 ng
 RT: 16.48 min Scan# 1528
 Delta R.T. -0.00 min
 Lab File: BN007100.D
 Acq: 12 Aug 2019 16:29

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:266 Resp: 1206
 Ion Ratio Lower Upper
 266 100
 264 64.3 52.3 78.5
 268 68.8 51.5 77.3

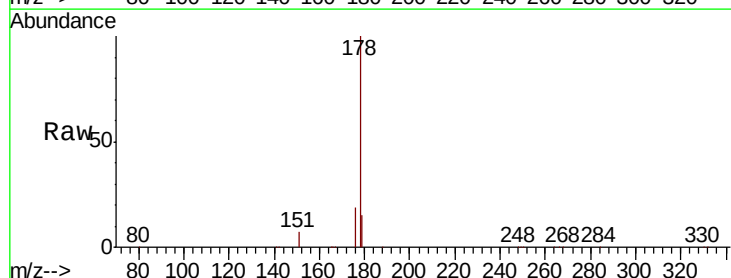


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

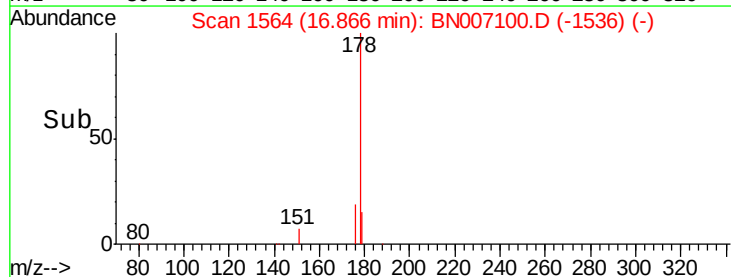
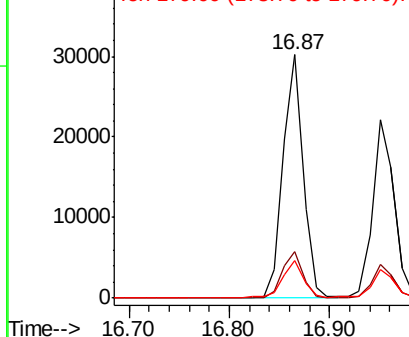


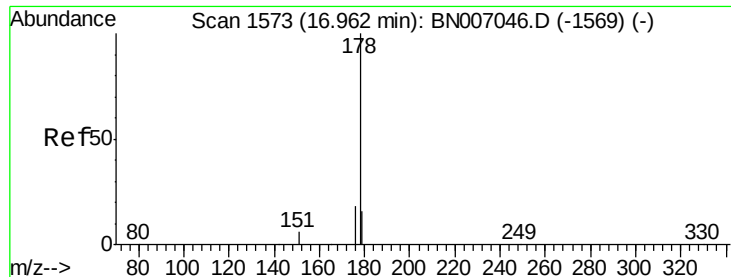
#22
 Phenanthrene
 Concen: 0.368 ng
 RT: 16.87 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BN007100.D
 Acq: 12 Aug 2019 16:29

Tgt Ion:178 Resp: 42060
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.2 22.8
 179 15.3 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

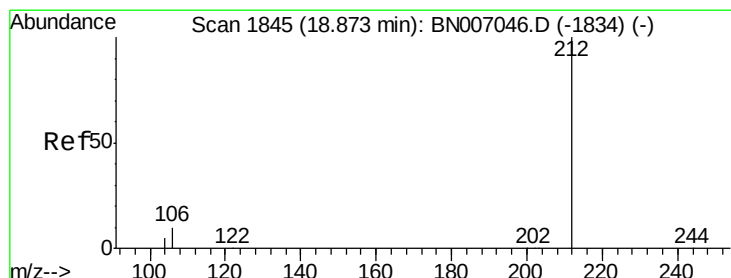
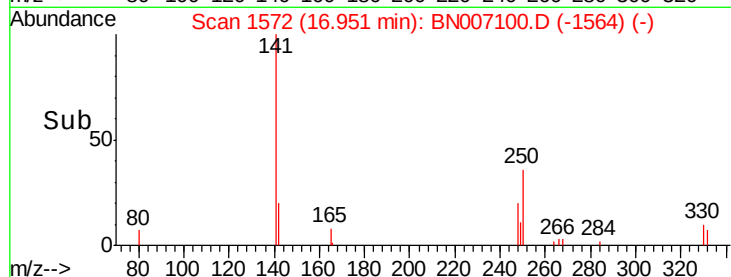
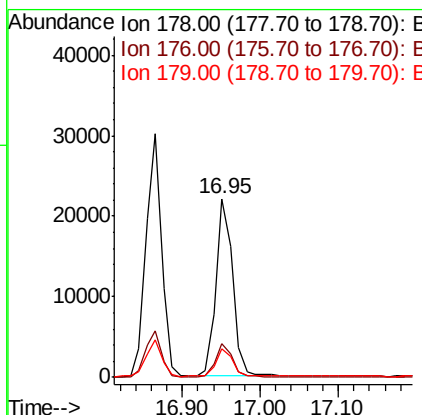
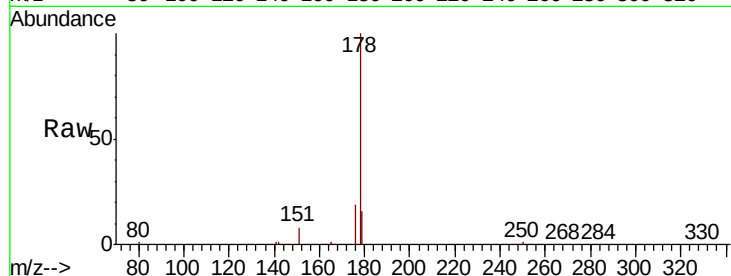




#23
 Anthracene
 Concen: 0.315 ng
 RT: 16.95 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BN007100.D
 Acq: 12 Aug 2019 16:29

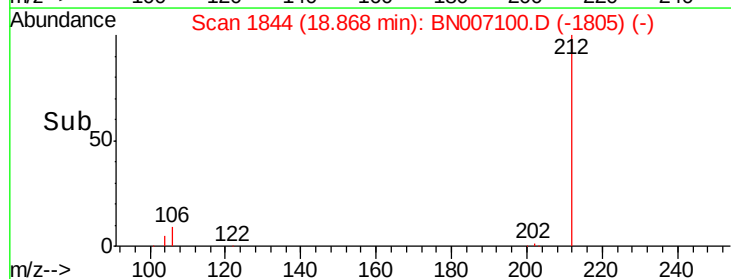
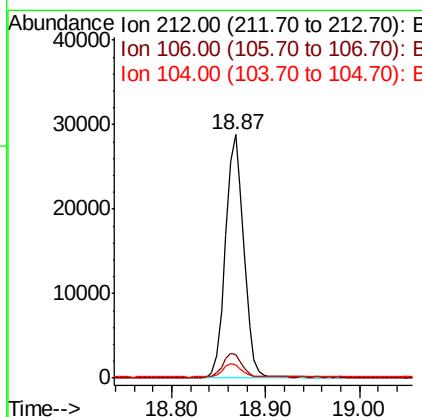
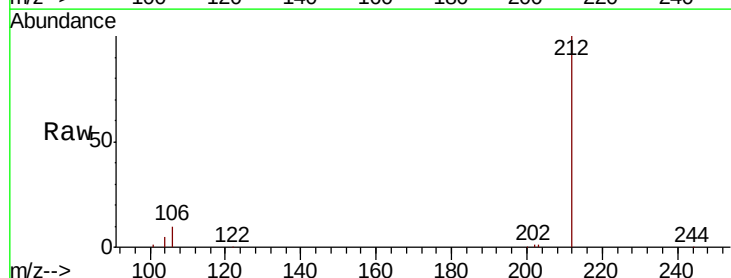
Instrument :
 BNA_N
 ClientSampled :

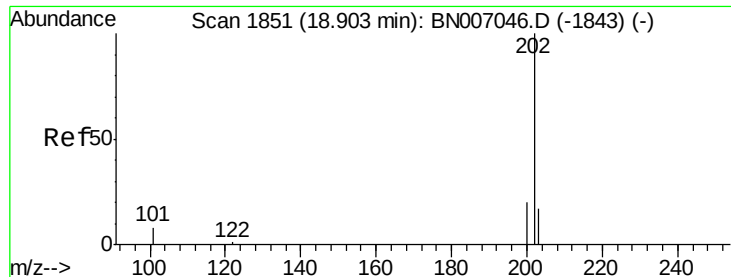
Tot Ion:178 Resp: 32879
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.6 21.8
 179 15.2 12.5 18.7



#24
 Fluoranthene-d10
 Concen: 0.285 ng
 RT: 18.87 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BN007100.D
 Acq: 12 Aug 2019 16:29

Tgt Ion:212 Resp: 38543
 Ion Ratio Lower Upper
 212 100
 106 10.2 8.2 12.2
 104 5.6 4.5 6.7





#25

Fluoranthene

Concen: 0.388 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007100.D

Acq: 12 Aug 2019 16:29

Instrument :

BNA_N

ClientSampleId :

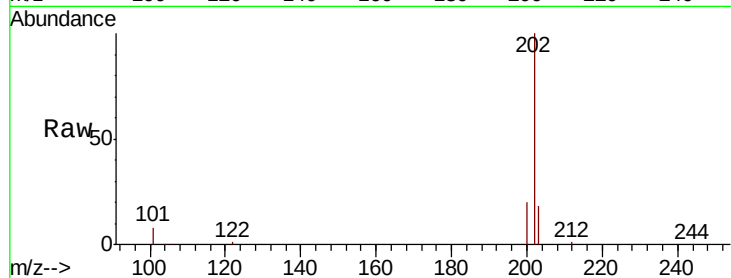
Tot Ion:202 Resp: 56736

Ion Ratio Lower Upper

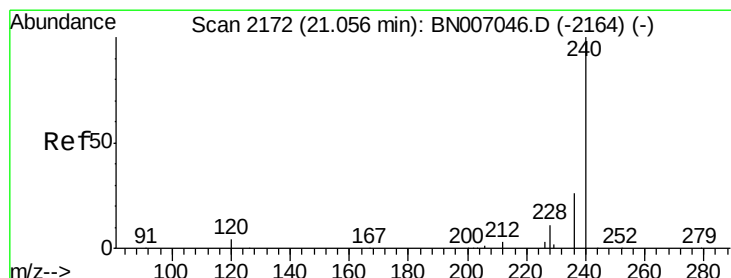
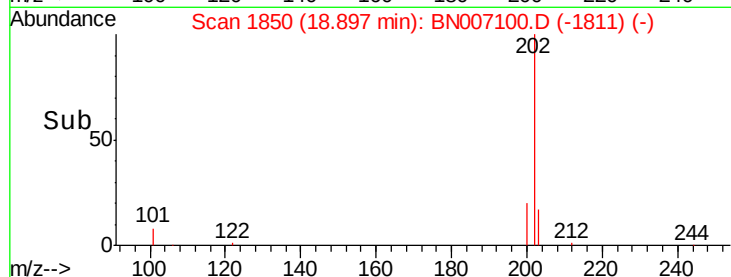
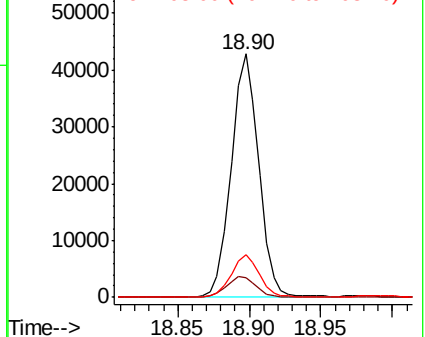
202 100

101 8.8 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: BN007100.D

Acq: 12 Aug 2019 16:29

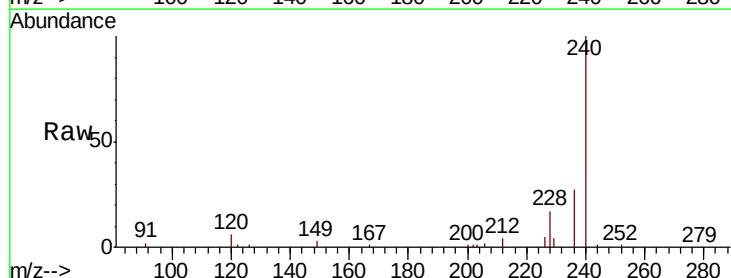
Tgt Ion:240 Resp: 40103

Ion Ratio Lower Upper

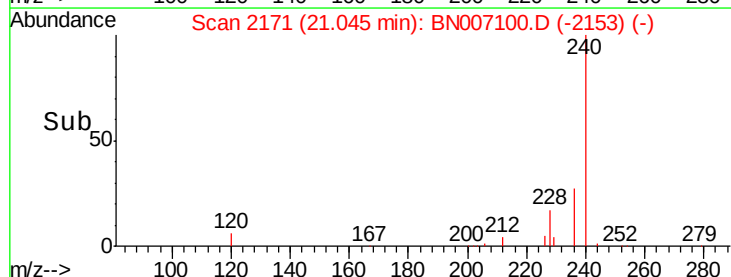
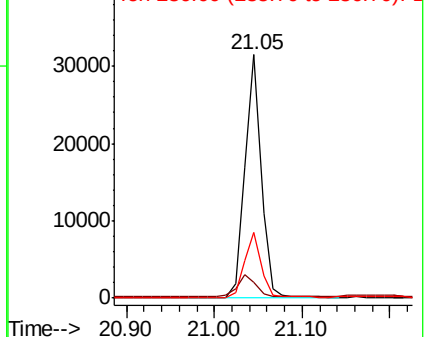
240 100

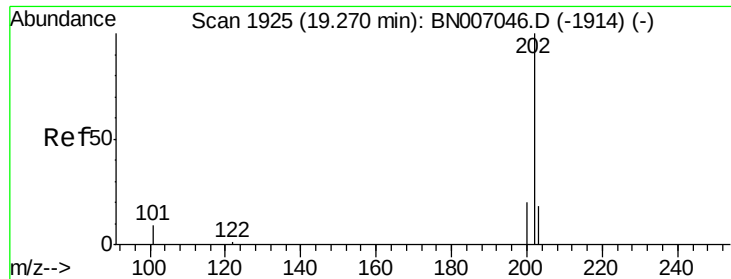
120 6.4 4.0 6.0#

236 27.0 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

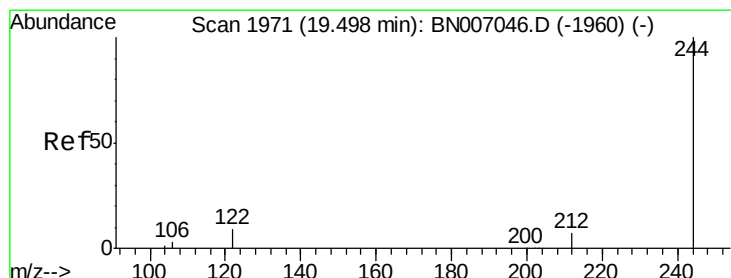
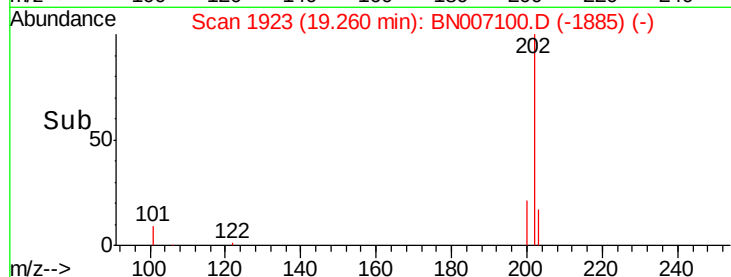
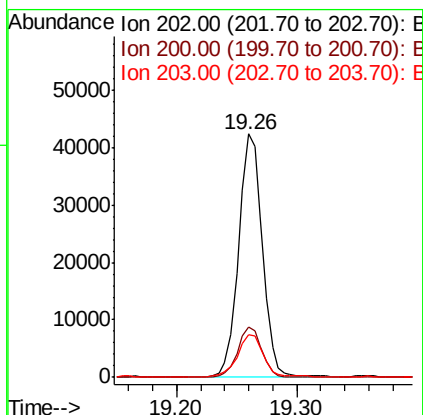
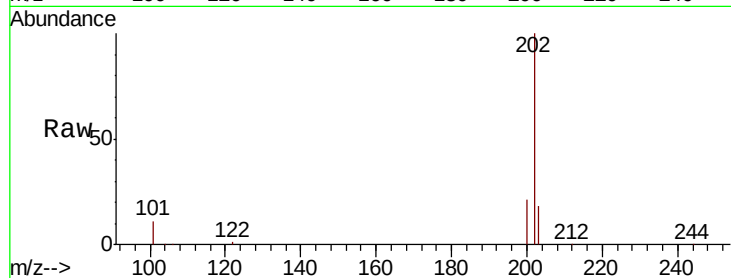




#27
Pvrene
Concen: 0.410 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007100.D
Acq: 12 Aug 2019 16:29

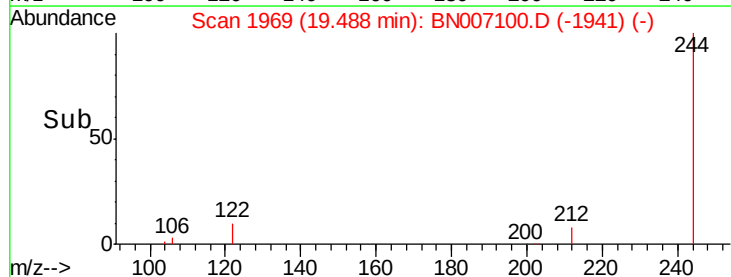
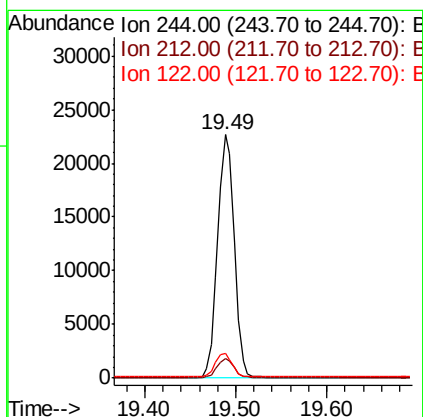
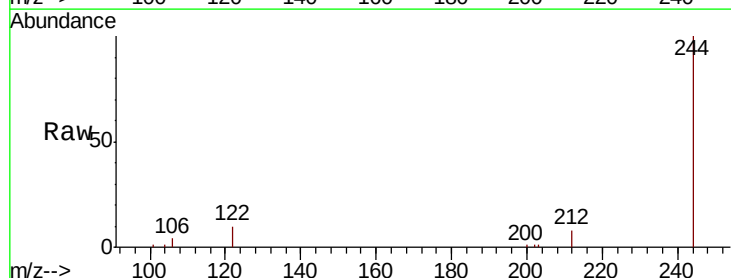
Instrument :
BNA_N
ClientSampled :

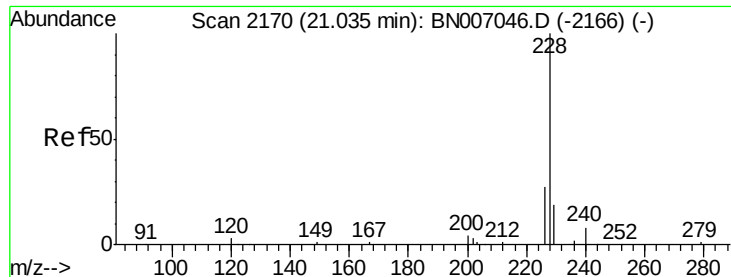
Tot Ion:202 Resp: 57632
Ion Ratio Lower Upper
202 100
200 20.8 16.6 24.8
203 18.4 14.0 21.0



#28
Terphenyl-d14
Concen: 0.258 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007100.D
Acq: 12 Aug 2019 16:29

Tgt Ion:244 Resp: 28240
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.2
122 10.4 7.4 11.2





#29

Benzo(a)anthracene

Concen: 0.363 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007100.D

Acq: 12 Aug 2019 16:29

Instrument :

BNA_N

ClientSampleId :

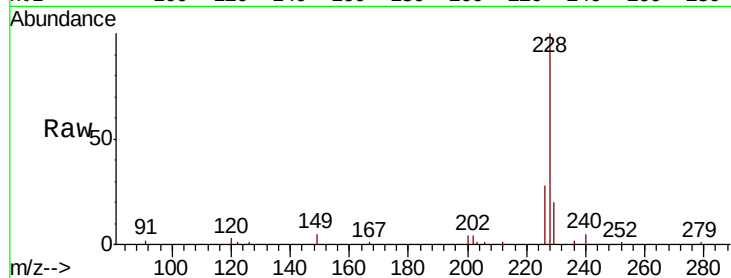
Tot Ion:228 Resp: 53262

Ion Ratio Lower Upper

228 100

226 28.2 21.8 32.6

229 19.8 15.6 23.4

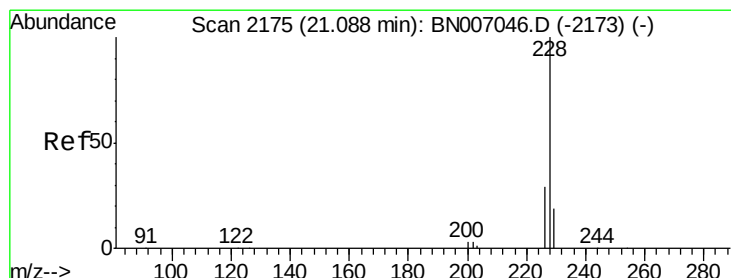
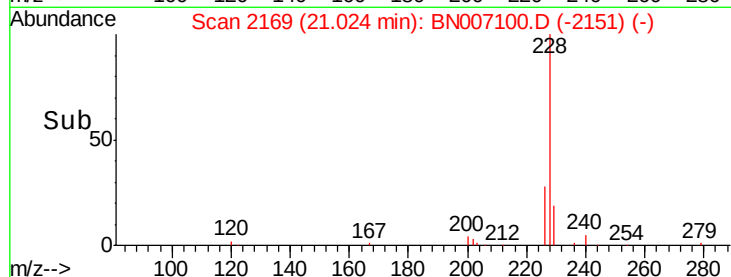
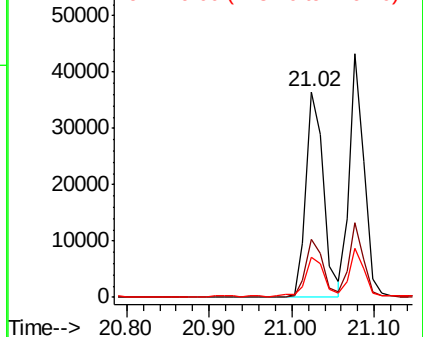


Abundance

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: 0.376 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007100.D

Acq: 12 Aug 2019 16:29

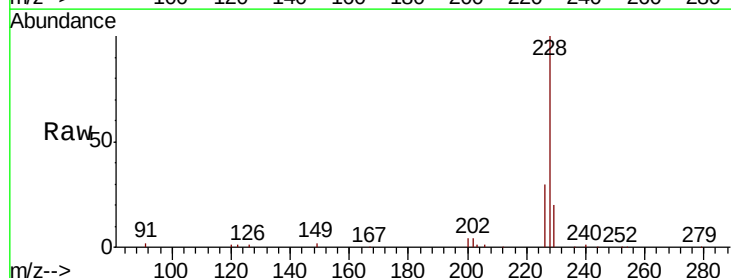
Tgt Ion:228 Resp: 53522

Ion Ratio Lower Upper

228 100

226 30.5 23.8 35.6

229 19.9 15.7 23.5

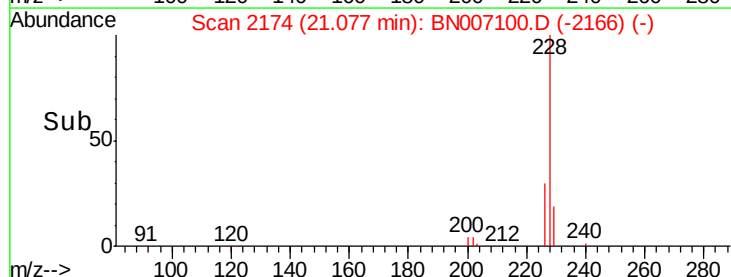
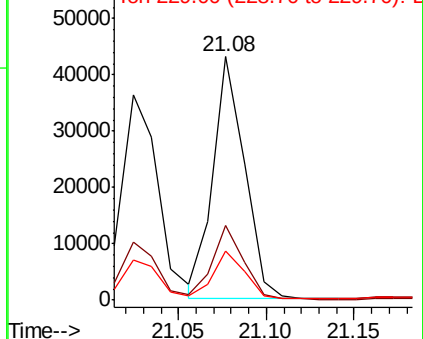


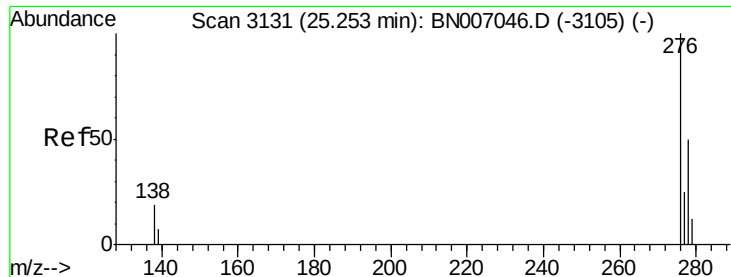
Abundance

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

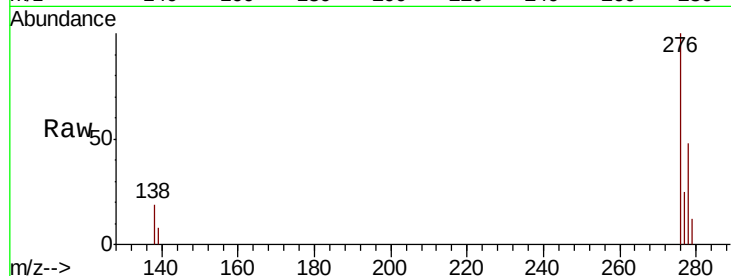




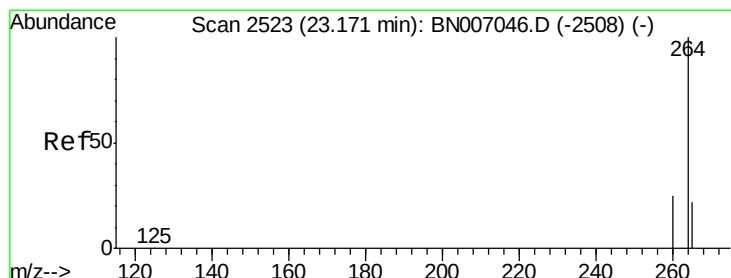
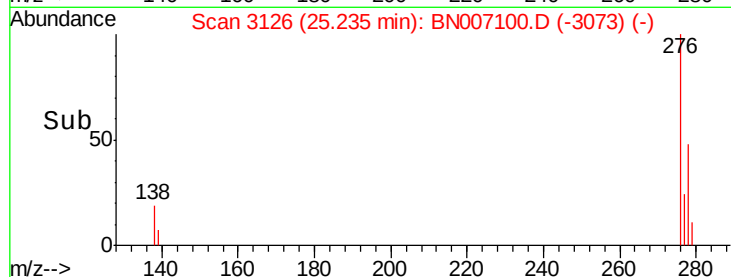
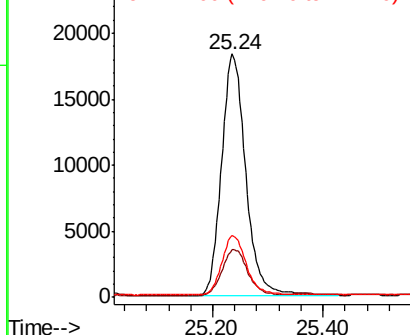
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.357 ng
 RT: 25.24 min Scan# 3126
 Delta R.T. -0.02 min
 Lab File: BN007100.D
 Acq: 12 Aug 2019 16:29

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 56018
 Ion Ratio Lower Upper
 276 100
 138 19.9 16.0 24.0
 277 24.3 19.9 29.9

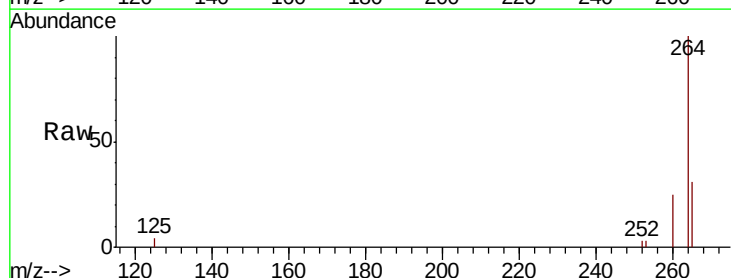


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

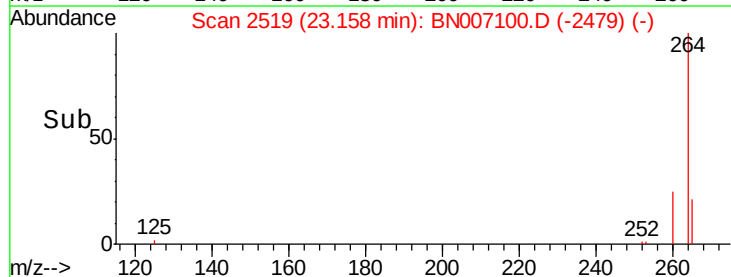
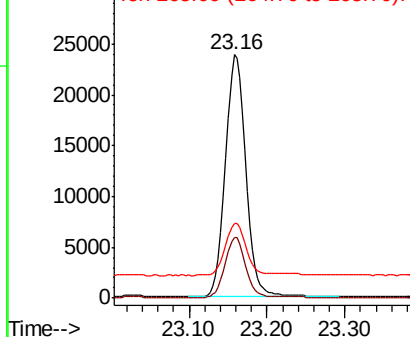


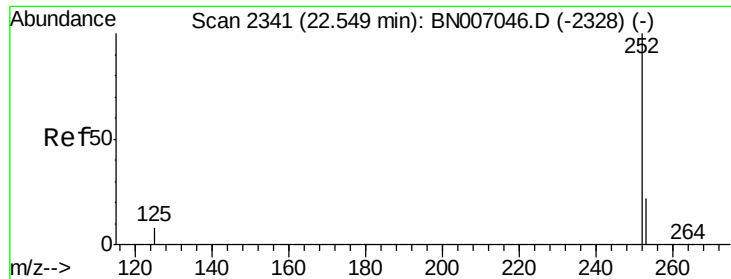
#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BN007100.D
 Acq: 12 Aug 2019 16:29

Tgt Ion:264 Resp: 43622
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.8 29.8
 265 30.7 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: 0.369 ng

RT: 22.54 min Scan# 2338

Delta R.T. -0.01 min

Lab File: BN007100.D

Acq: 12 Aug 2019 16:29

Instrument :

BNA_N

ClientSampleId :

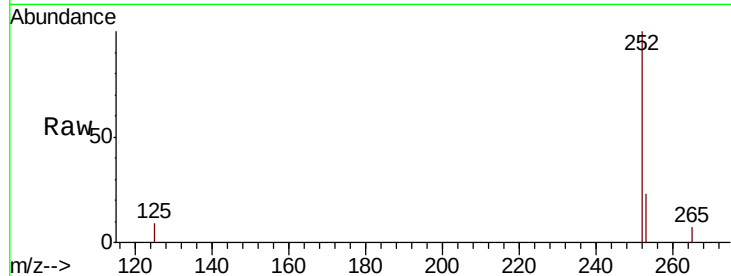
Tot Ion:252 Resp: 55270

Ion Ratio Lower Upper

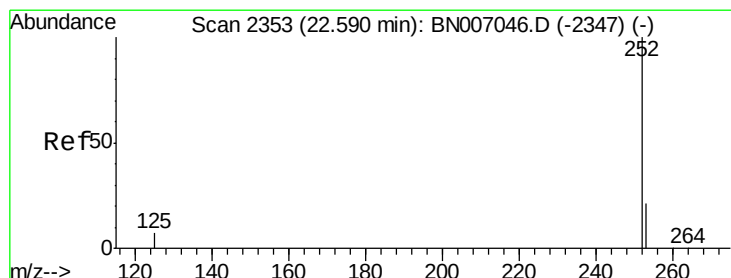
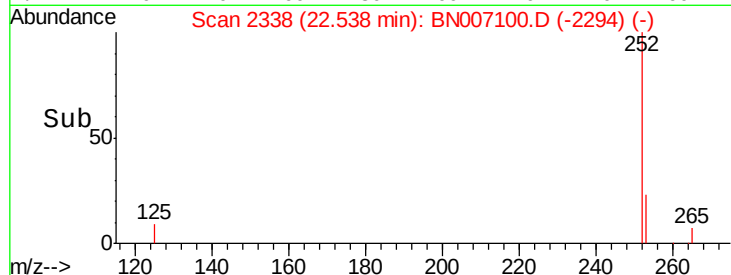
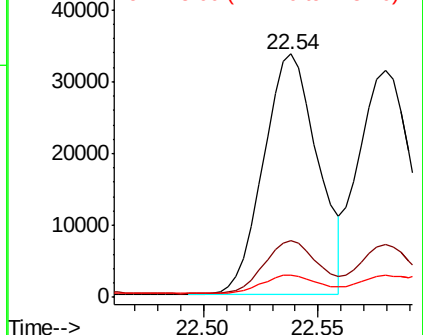
252 100

253 23.1 18.2 27.2

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



#34

Benzo(k)fluoranthene

Concen: 0.358 ng

RT: 22.58 min Scan# 2350

Delta R.T. -0.01 min

Lab File: BN007100.D

Acq: 12 Aug 2019 16:29

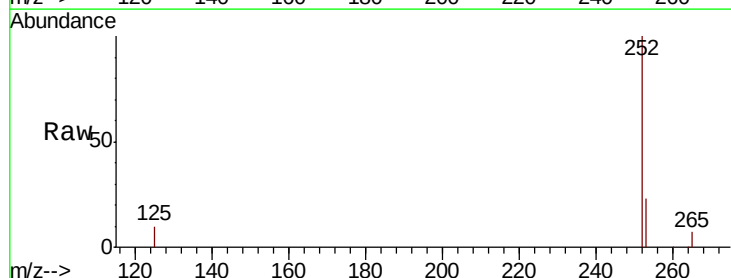
Tgt Ion:252 Resp: 52902

Ion Ratio Lower Upper

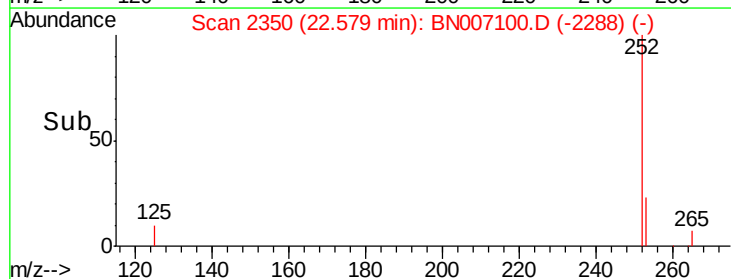
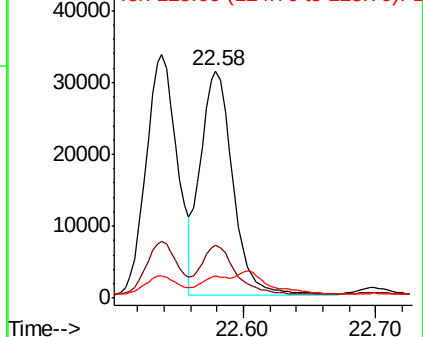
252 100

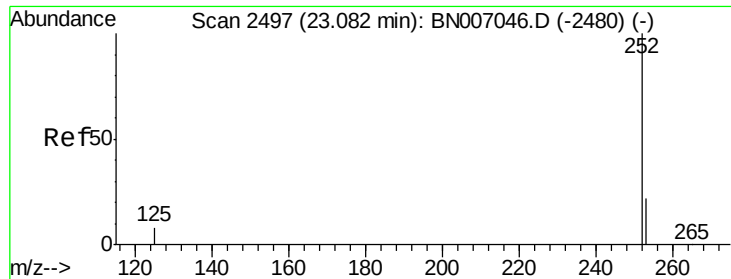
253 23.2 18.1 27.1

125 9.5 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: 0.359 ng

RT: 23.07 min Scan# 2493

Delta R.T. -0.01 min

Lab File: BN007100.D

Acq: 12 Aug 2019 16:29

Instrument :

BNA_N

ClientSampleId :

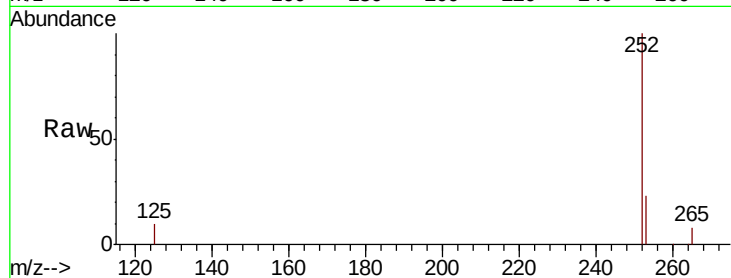
Tot Ion:252 Resp: 48690

Ion Ratio Lower Upper

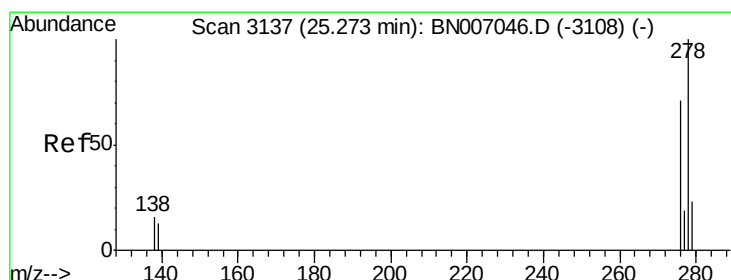
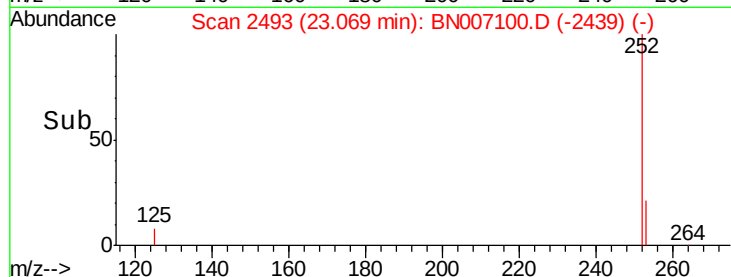
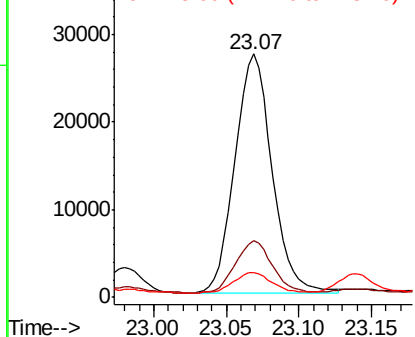
252 100

253 23.1 18.5 27.7

125 10.1 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: 0.324 ng

RT: 25.25 min Scan# 3131

Delta R.T. -0.02 min

Lab File: BN007100.D

Acq: 12 Aug 2019 16:29

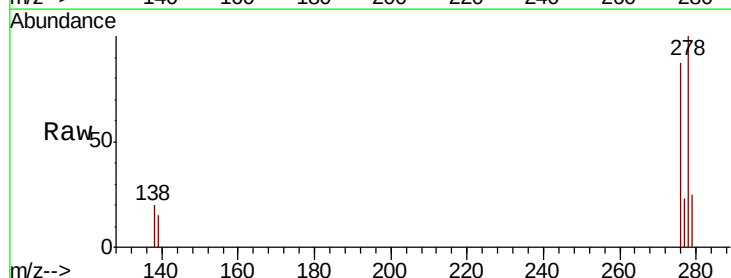
Tgt Ion:278 Resp: 43857

Ion Ratio Lower Upper

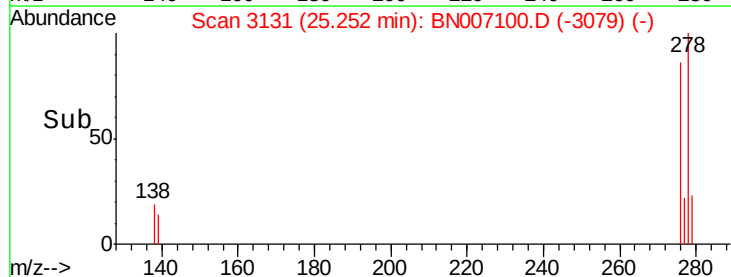
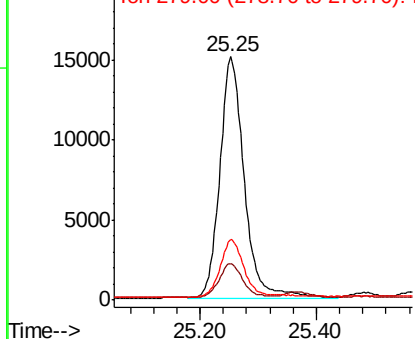
278 100

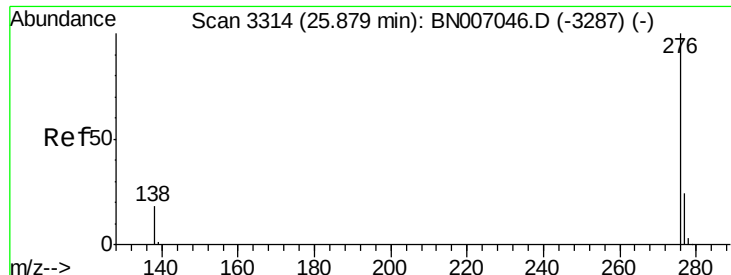
139 15.1 11.3 16.9

279 24.7 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: 0.345 ng

RT: 25.86 min Scan# 3309

Delta R.T. -0.02 min

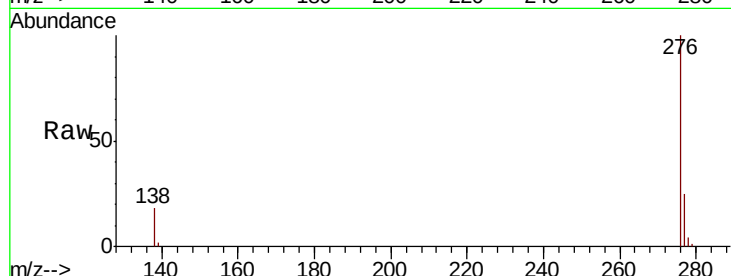
Lab File: BN007100.D

Acq: 12 Aug 2019 16:29

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 48009

Ion Ratio Lower Upper

276 100

277 24.5 19.8 29.8

138 18.5 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

