

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081519\
 Data File : BN007187.D
 Acq On : 15 Aug 2019 09:31
 Operator : HP/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 16 02:35:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 13 12:12:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	8732	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	31995	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	18620	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	44228	0.40	ng	0.00
26) Chrysene-d12	21.05	240	46780	0.40	ng	-0.01
32) Perylene-d12	23.15	264	53728	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.05	112	8890	0.42	ng	0.00
4) Phenol-d6	6.61	99	10916	0.42	ng	0.00
7) Nitrobenzene-d5	8.55	82	10846	0.42	ng	-0.01
10) 2-Methylnaphthalene-d10	11.78	152	22199	0.37	ng	-0.01
13) 2,4,6-Tribromophenol	15.57	330	3570	0.36	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	2978	0.11	ng	0.00
24) Fluoranthene-d10	18.86	212	59593	0.38	ng	0.00
28) Terphenyl-d14	19.49	244	52153	0.41	ng	0.00

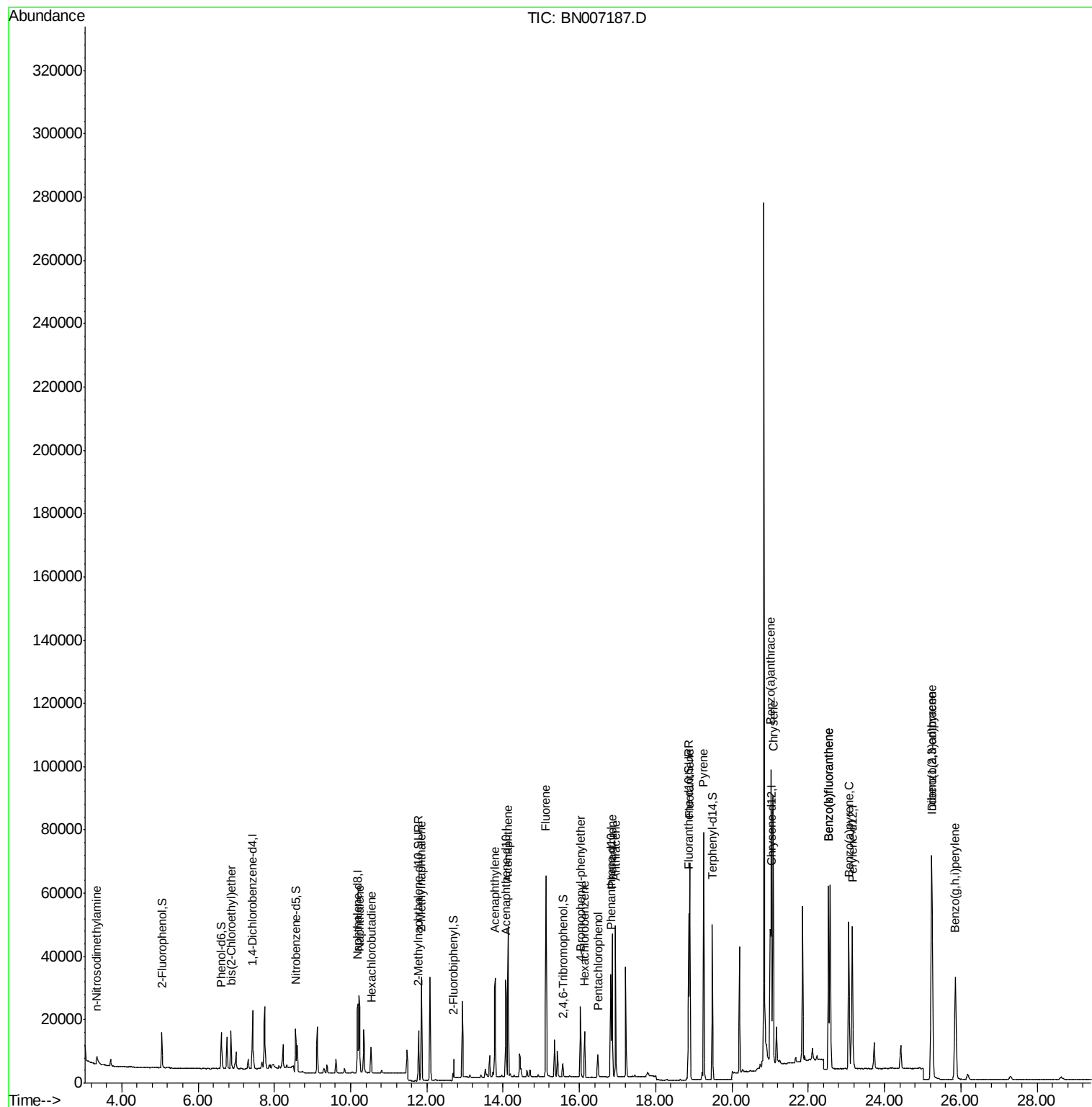
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.34	42	2531	0.441	ng	# 95
5) bis(2-Chloroethyl)ether	6.86	93	9479	0.413	ng	98
8) Naphthalene	10.23	128	33695	0.376	ng	99
9) Hexachlorobutadiene	10.54	225	7412	0.387	ng	# 100
11) 2-Methylnaphthalene	11.86	142	23732	0.373	ng	96
15) Acenaphthylene	13.79	152	37799	0.388	ng	100
16) Acenaphthene	14.13	154	24033	0.386	ng	97
17) Fluorene	15.12	166	30785	0.330	ng	99
19) 4-Bromophenyl-phenylether	16.03	248	10709	0.392	ng	98
20) Hexachlorobenzene	16.13	284	10797	0.410	ng	99
21) Pentachlorophenol	16.48	266	3908	0.399	ng	97
22) Phenanthrene	16.86	178	52029	0.393	ng	100
23) Anthracene	16.95	178	48077	0.397	ng	100
25) Fluoranthene	18.90	202	64544	0.381	ng	100
27) Pyrene	19.26	202	67700	0.413	ng	100
29) Benzo(a)anthracene	21.02	228	67082	0.392	ng	100
30) Chrysene	21.08	228	65911	0.397	ng	100
31) Indeno(1,2,3-cd)pyrene	25.23	276	81655	0.446	ng	97
33) Benzo(b)fluoranthene	22.53	252	68947	0.374	ng	100
34) Benzo(k)fluoranthene	22.53	252	68947	0.379	ng	99
35) Benzo(a)pyrene	23.07	252	63166	0.378	ng	99
36) Dibenzo(a,h)anthracene	25.25	278	66726	0.400	ng	# 96
37) Benzo(g,h,i)perylene	25.86	276	64807	0.378	ng	99

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

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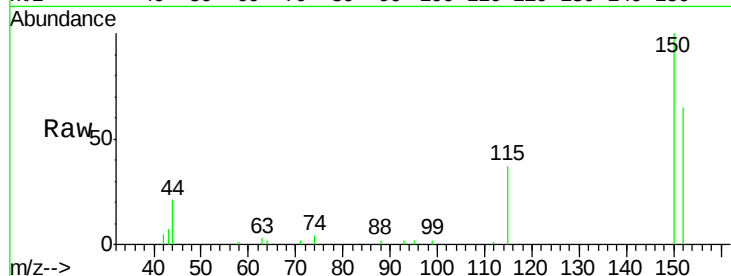


#1

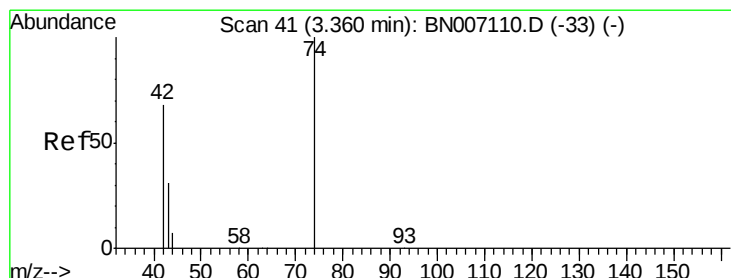
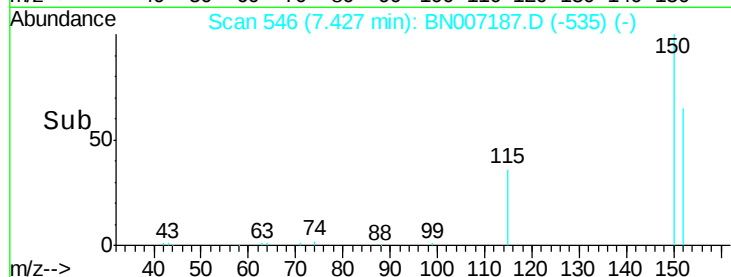
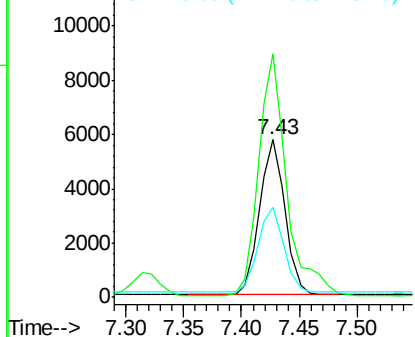
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007187.D
Acq: 15 Aug 2019 09:31

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 8732
Ion Ratio Lower Upper
152 100
150 154.3 121.7 182.5
115 57.2 46.2 69.4



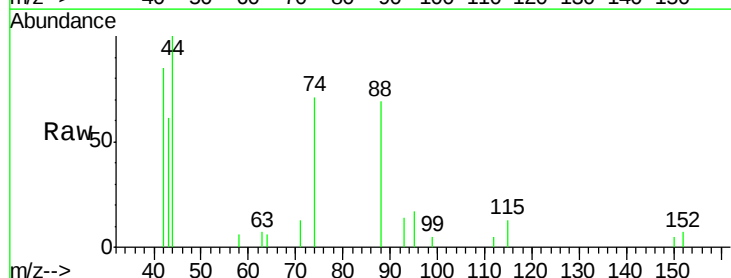
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



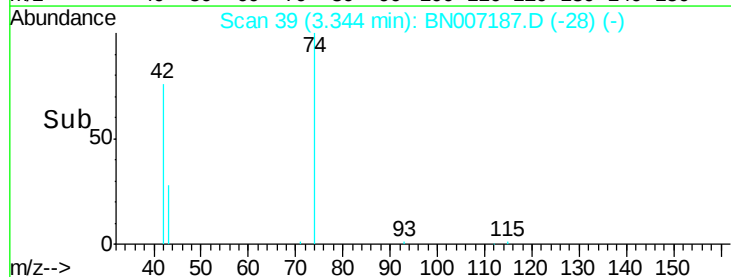
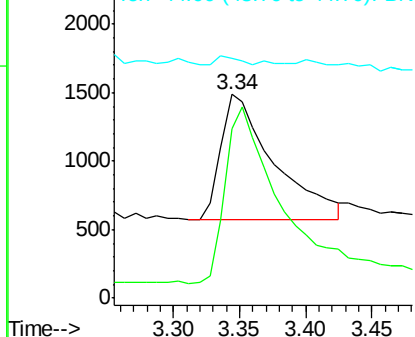
#2

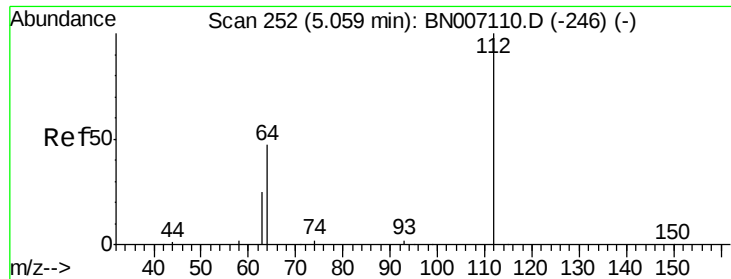
n-Nitrosodimethylamine
Concen: 0.441 ng
RT: 3.34 min Scan# 39
Delta R.T. -0.02 min
Lab File: BN007187.D
Acq: 15 Aug 2019 09:31

Tgt Ion: 42 Resp: 2531
Ion Ratio Lower Upper
42 100
74 144.4 110.6 166.0
44 2.8 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: 0.424 ng

RT: 5.05 min Scan# 251

Delta R.T. -0.01 min

Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

Instrument :

BNA_N

ClientSampleId :

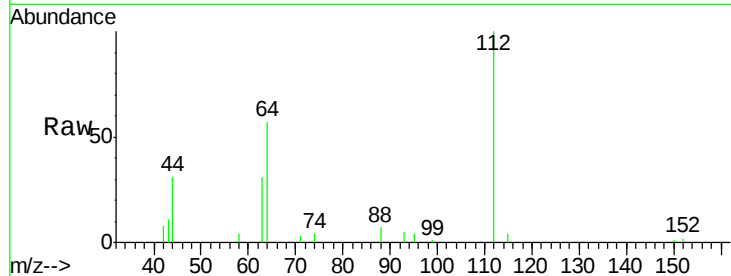
Tot Ion:112 Resp: 8890

Ion Ratio Lower Upper

112 100

64 52.8 42.6 63.8

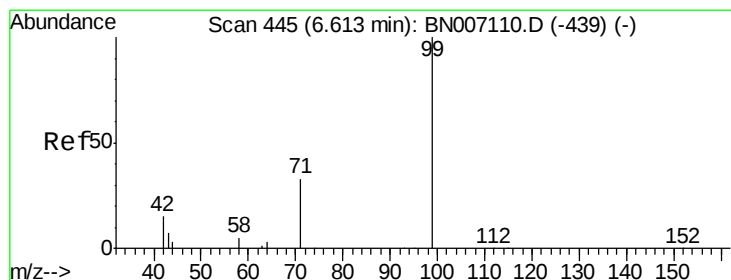
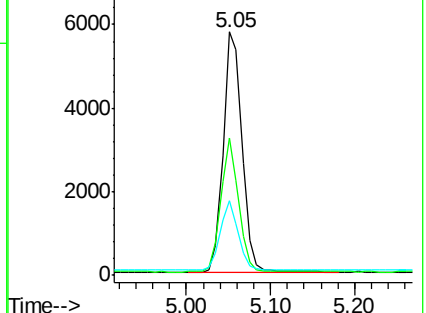
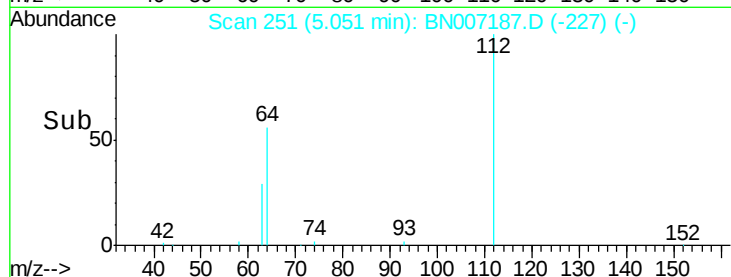
63 27.2 22.2 33.2



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: 0.420 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

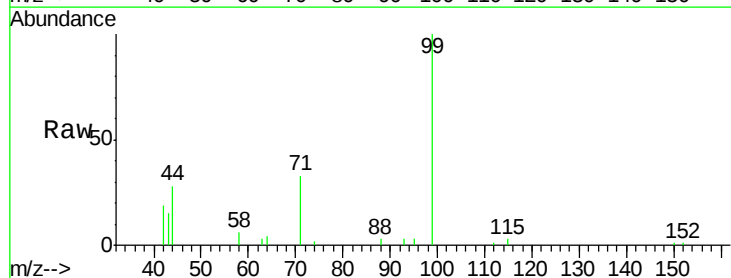
Tgt Ion: 99 Resp: 10916

Ion Ratio Lower Upper

99 100

42 17.6 15.8 23.6

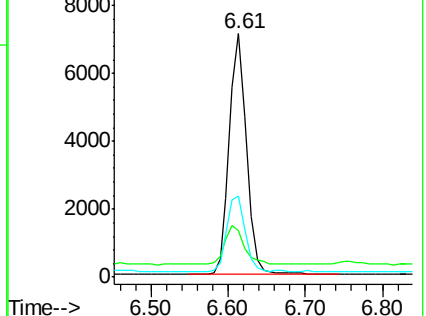
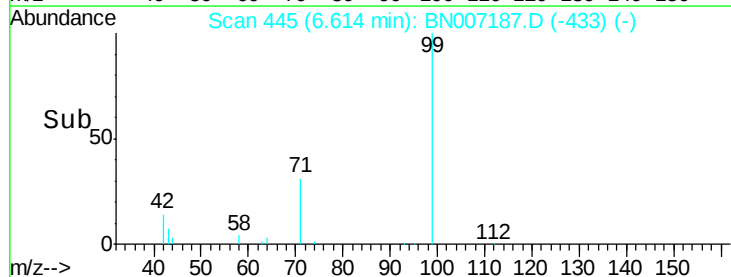
71 33.7 27.0 40.4

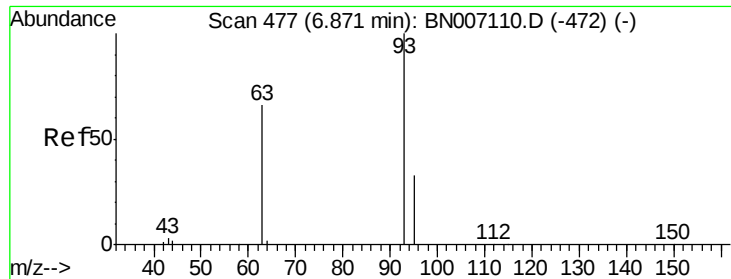


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#5

bis(2-Chloroethyl)ether

Concen: 0.413 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.01 min

Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

Instrument :

BNA_N

ClientSampleId :

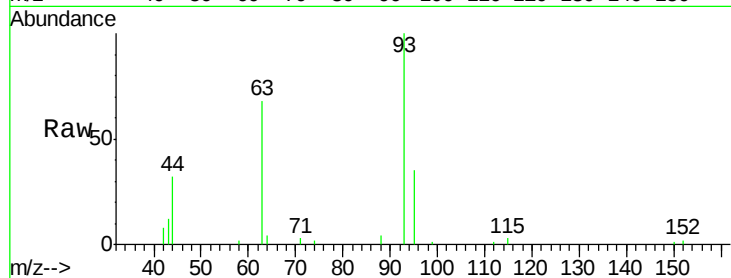
Tot Ion: 93 Resp: 9479

Ion Ratio Lower Upper

93 100

63 67.5 55.6 83.4

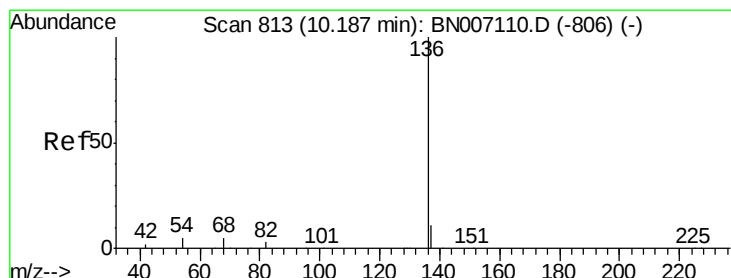
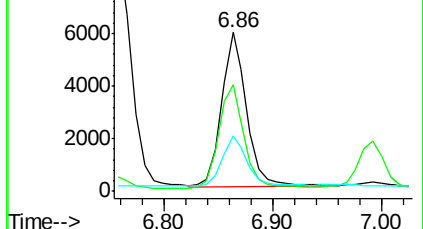
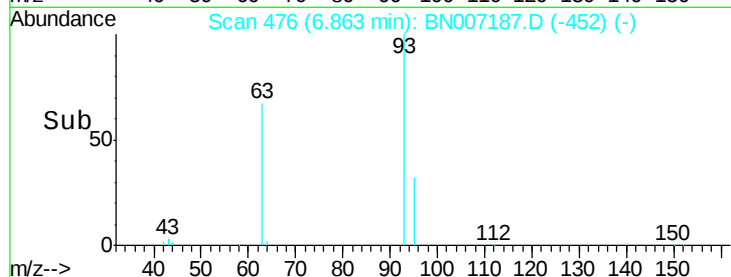
95 32.6 26.7 40.1



Abundance Ion 93.00 (92.70 to 93.70): BN007110.D (-472) (-)

Ion 63.00 (62.70 to 63.70): BN007110.D (-472) (-)

Ion 95.00 (94.70 to 95.70): BN007110.D (-472) (-)



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

Tgt Ion: 136 Resp: 31995

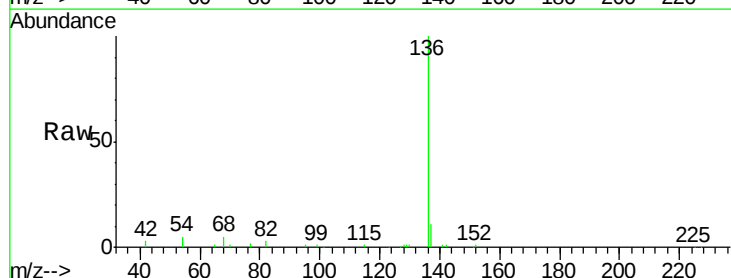
Ion Ratio Lower Upper

136 100

137 11.5 9.4 14.0

54 4.7 6.6 9.8#

68 4.6 6.0 9.0#

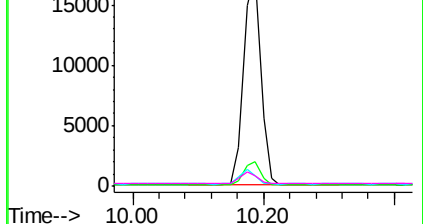
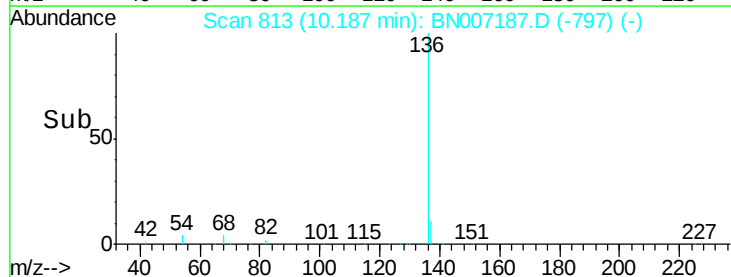


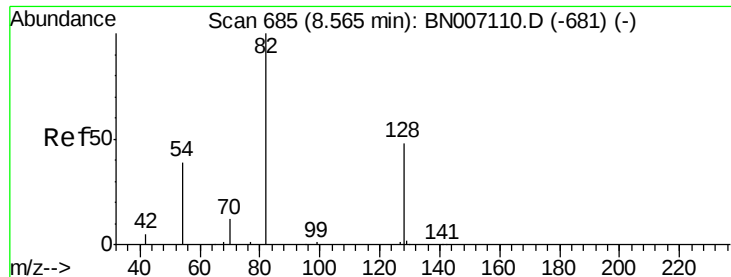
Abundance Ion 136.00 (135.70 to 136.70): BN007110.D (-806) (-)

Ion 137.00 (136.70 to 137.70): BN007110.D (-806) (-)

Ion 54.00 (53.70 to 54.70): BN007110.D (-806) (-)

Ion 68.00 (67.70 to 68.70): BN007110.D (-806) (-)





#7

Nitrobenzene-d5

Concen: 0.420 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

Instrument :

BNA_N

ClientSampled :

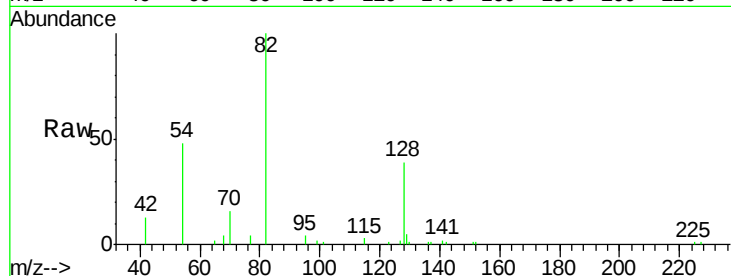
Tot Ion: 82 Resp: 10846

Ion Ratio Lower Upper

82 100

128 39.4 34.6 51.8

54 48.1 36.2 54.4

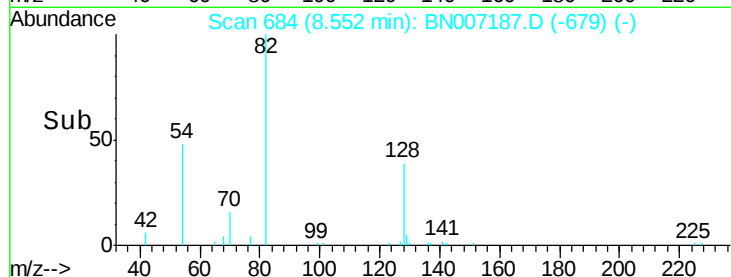


Abundance Ion 82.00 (81.70 to 82.70): BN007110.D (-681) (-)

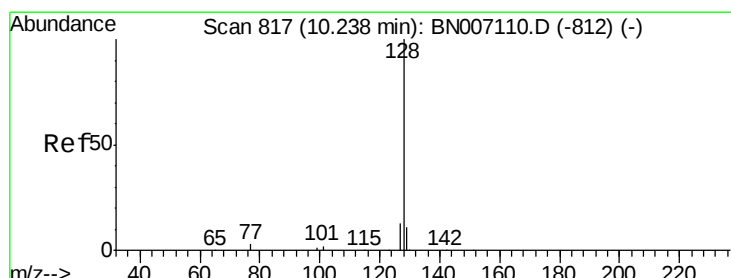
Ion 128.00 (127.70 to 128.70): BN007110.D (-681) (-)

Ion 54.00 (53.70 to 54.70): BN007110.D (-681) (-)

Time-->



Time-->



#8

Naphthalene

Concen: 0.376 ng

RT: 10.23 min Scan# 816

Delta R.T. -0.01 min

Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

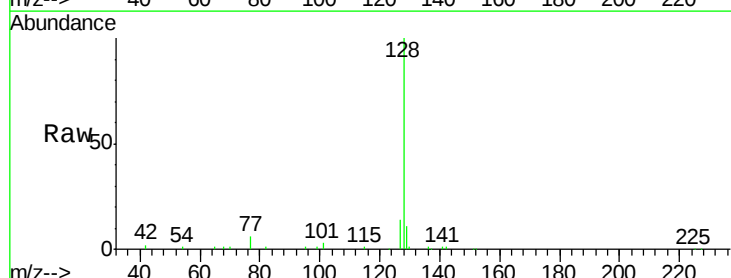
Tgt Ion: 128 Resp: 33695

Ion Ratio Lower Upper

128 100

129 11.4 9.4 14.2

127 14.0 11.0 16.6

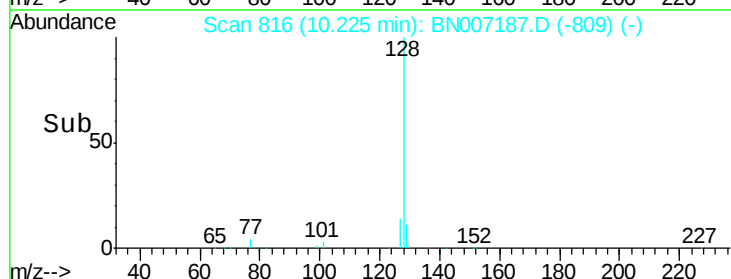


Abundance Ion 128.00 (127.70 to 128.70): BN007110.D (-812) (-)

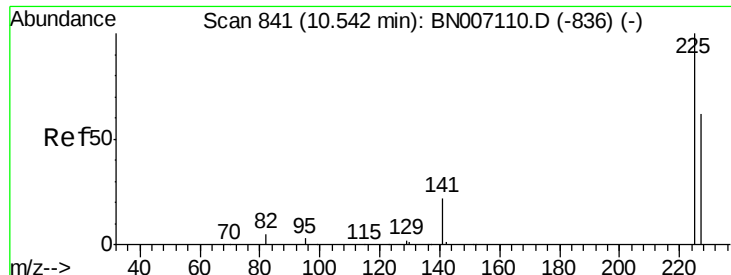
Ion 129.00 (128.70 to 129.70): BN007110.D (-812) (-)

Ion 127.00 (126.70 to 127.70): BN007110.D (-812) (-)

Time-->



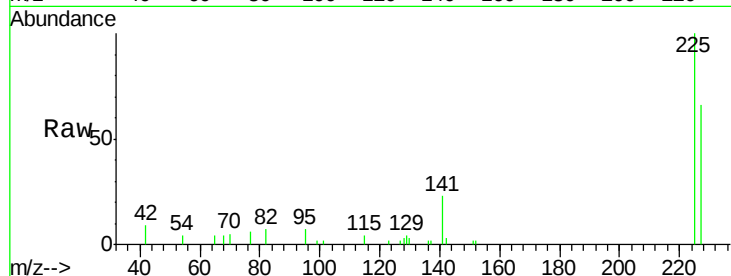
Time-->



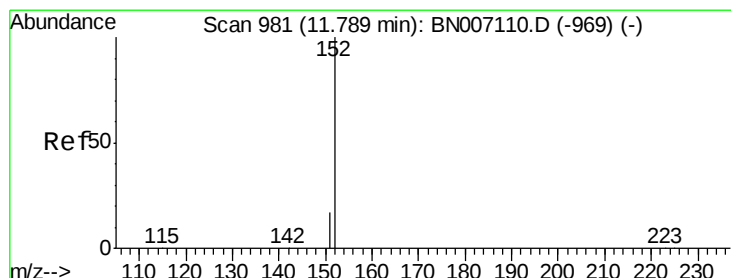
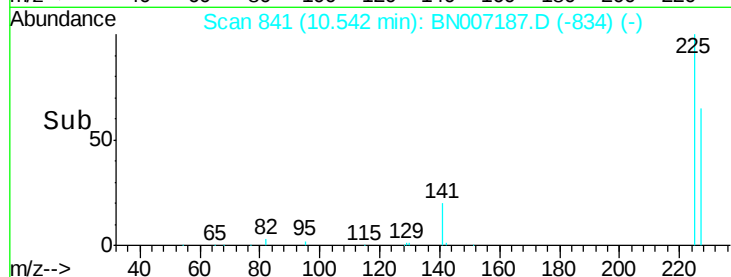
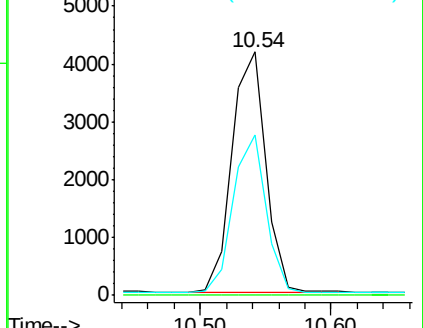
#9
Hexachlorobutadiene
Concen: 0.387 ng
RT: 10.54 min Scan# 841
Delta R.T. -0.01 min
Lab File: BN007187.D
Acq: 15 Aug 2019 09:31

Instrument :
BNA_N
ClientSampleId :

Tot Ion:225 Resp: 7412
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.9 51.1 76.7

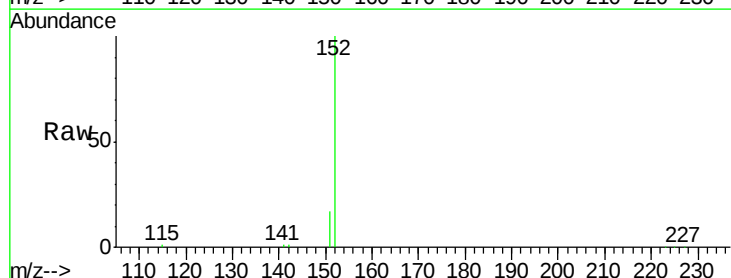


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

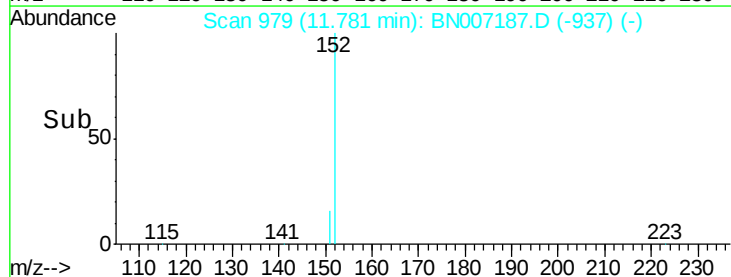
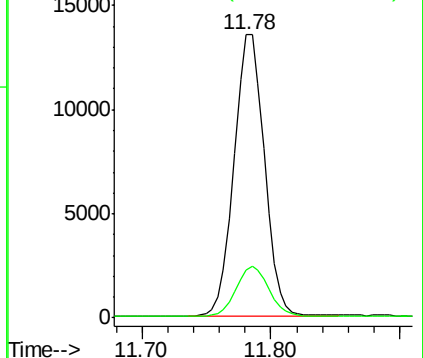


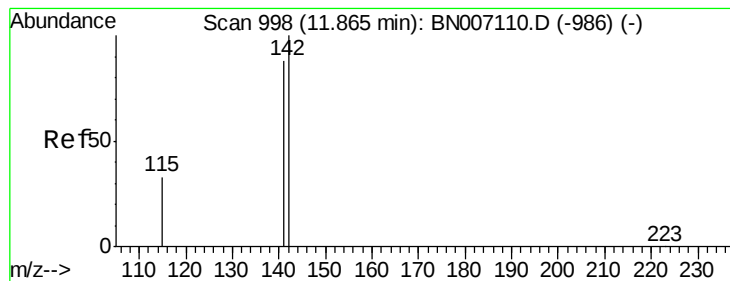
#10
2-Methylnaphthalene-d10
Concen: 0.372 ng
RT: 11.78 min Scan# 979
Delta R.T. -0.01 min
Lab File: BN007187.D
Acq: 15 Aug 2019 09:31

Tgt Ion:152 Resp: 22199
Ion Ratio Lower Upper
152 100
151 19.2 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: 0.373 ng

RT: 11.86 min Scan# 996

Delta R.T. -0.01 min

Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

Instrument :

BNA_N

ClientSampleId :

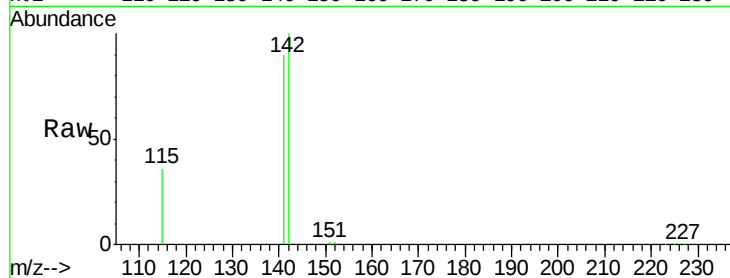
Tot Ion:142 Resp: 23732

Ion Ratio Lower Upper

142 100

141 90.2 69.0 103.6

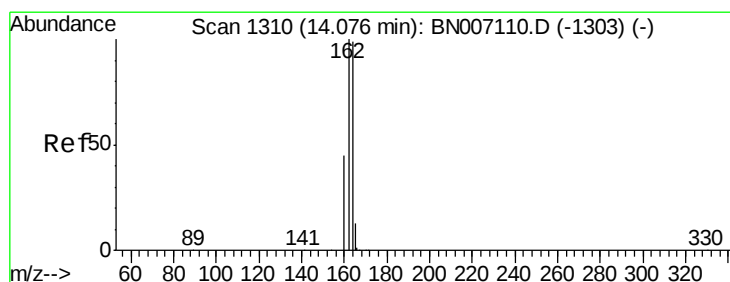
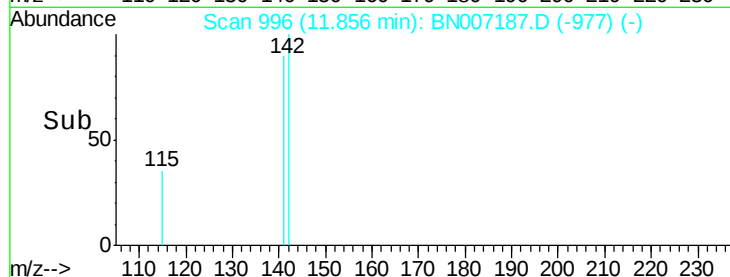
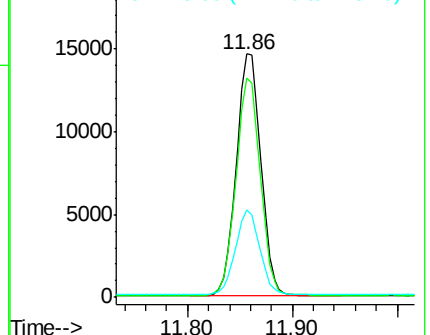
115 35.8 27.1 40.7



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: 14.07 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

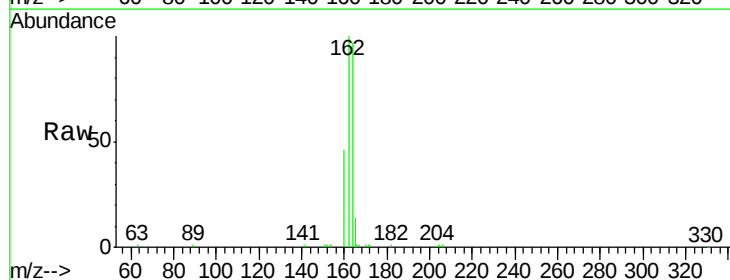
Tgt Ion:164 Resp: 18620

Ion Ratio Lower Upper

164 100

162 103.1 82.2 123.4

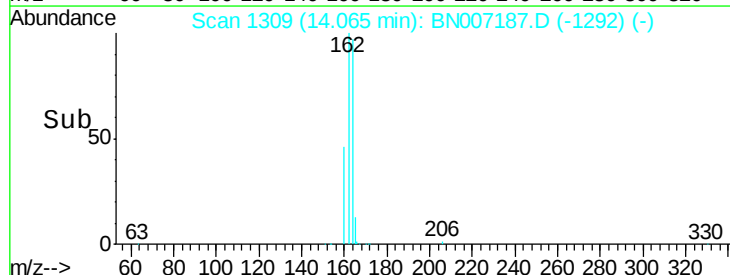
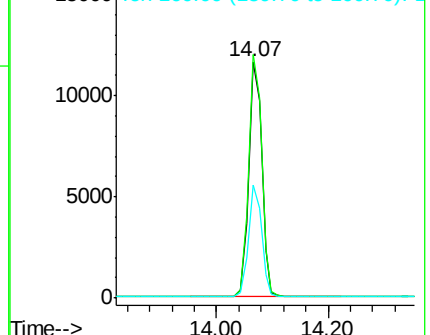
160 47.7 38.3 57.5

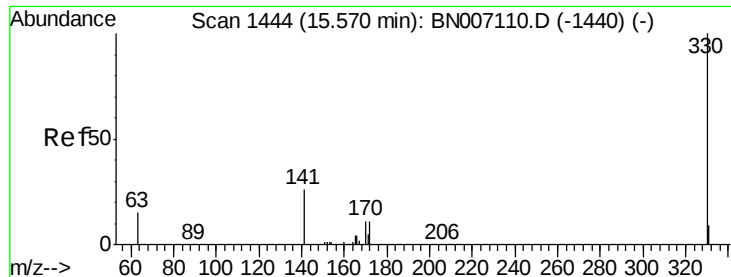


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

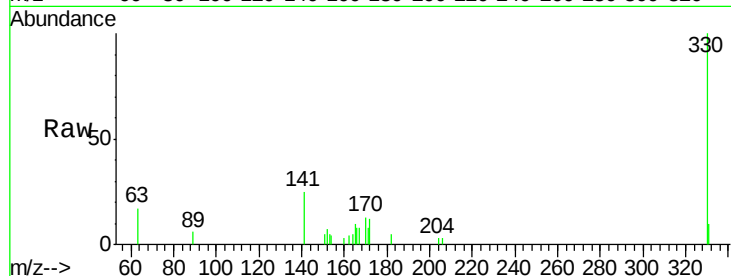




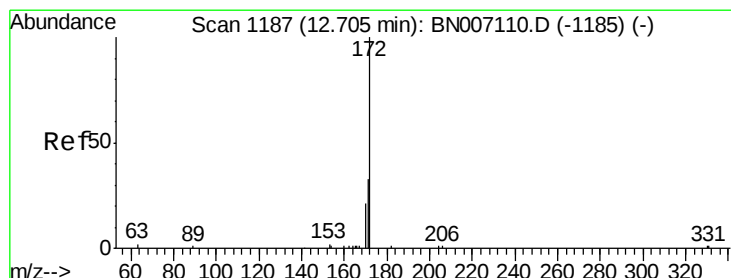
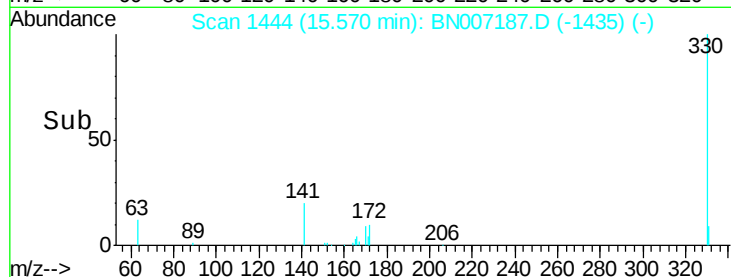
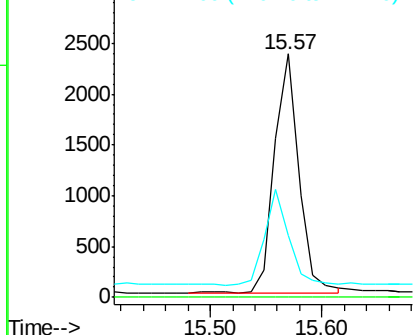
#13
 2,4,6-Tribromophenol
 Concen: 0.356 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007187.D
 Acq: 15 Aug 2019 09:31

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:330 Resp: 3570
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 40.0 33.6 50.4

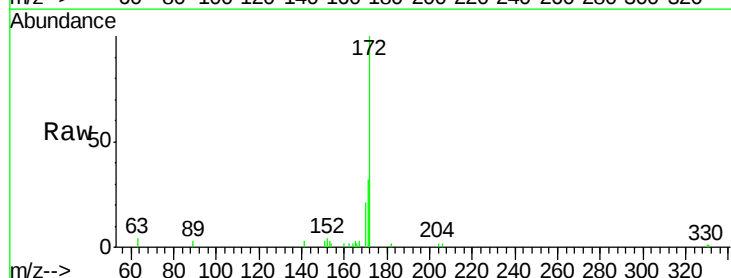


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

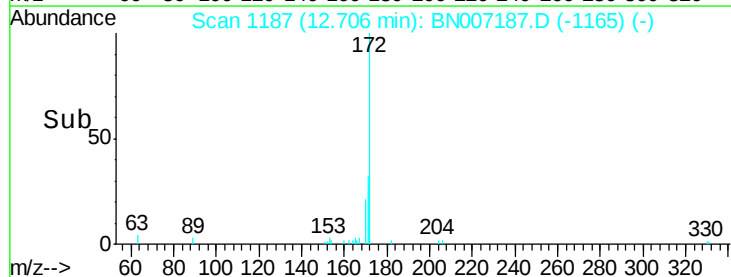
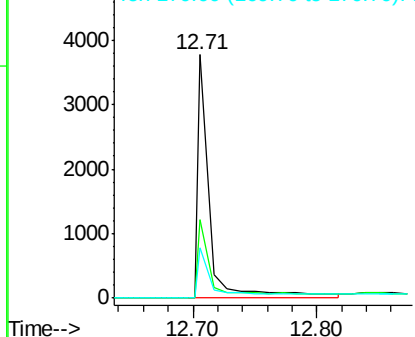


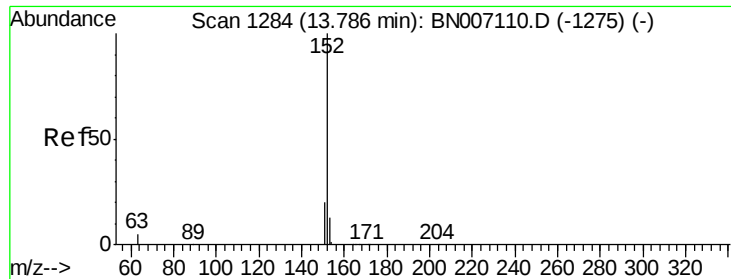
#14
 2-Fluorobiphenyl
 Concen: 0.110 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007187.D
 Acq: 15 Aug 2019 09:31

Tgt Ion:172 Resp: 2978
 Ion Ratio Lower Upper
 172 100
 171 32.3 26.3 39.5
 170 20.5 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: 0.388 ng

RT: 13.79 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

Instrument :

BNA_N

ClientSampleId :

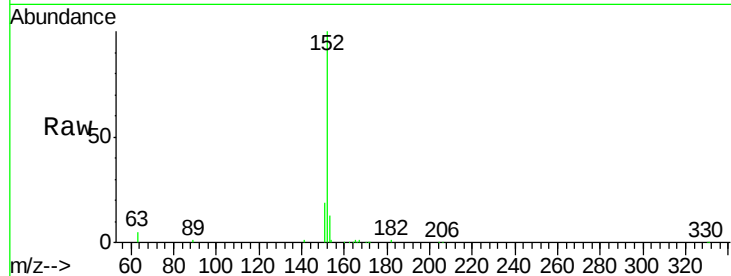
Tot Ion:152 Resp: 37799

Ion Ratio Lower Upper

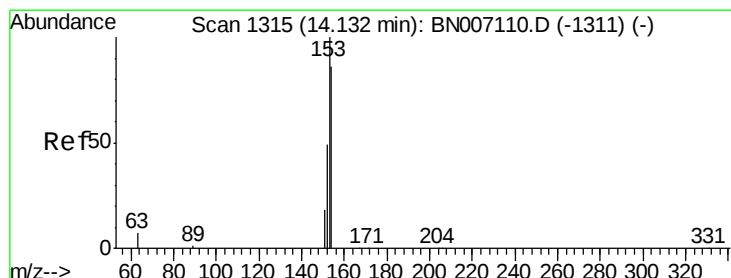
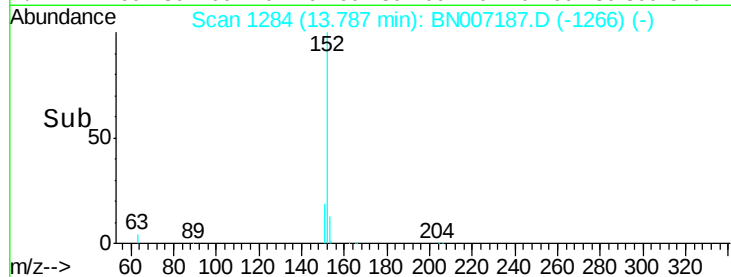
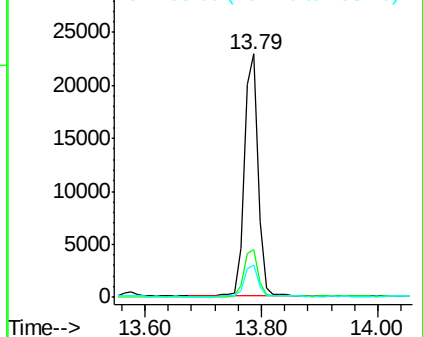
152 100

151 19.6 15.8 23.6

153 13.1 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: 0.386 ng

RT: 14.13 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

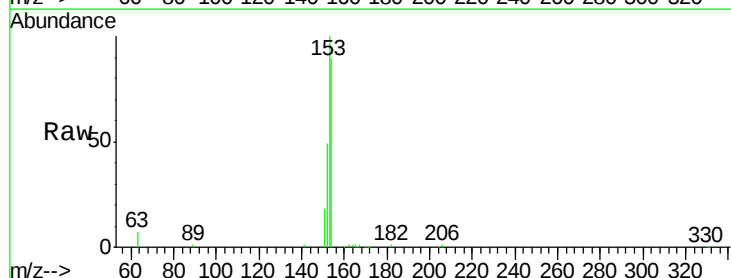
Tgt Ion:154 Resp: 24033

Ion Ratio Lower Upper

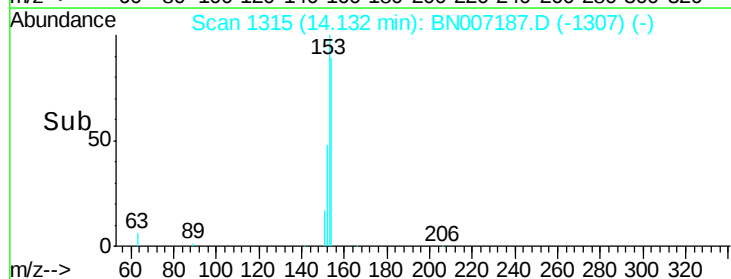
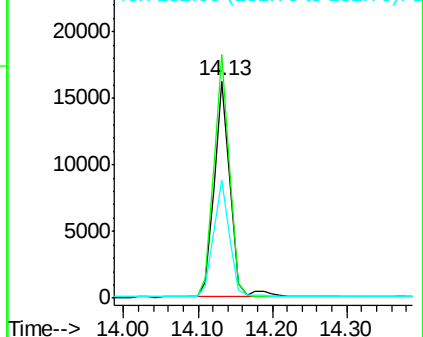
154 100

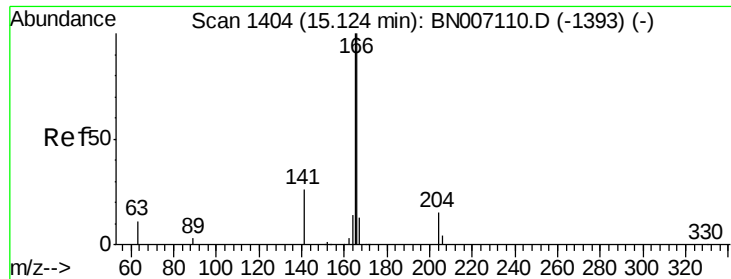
153 109.2 89.5 134.3

152 53.5 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



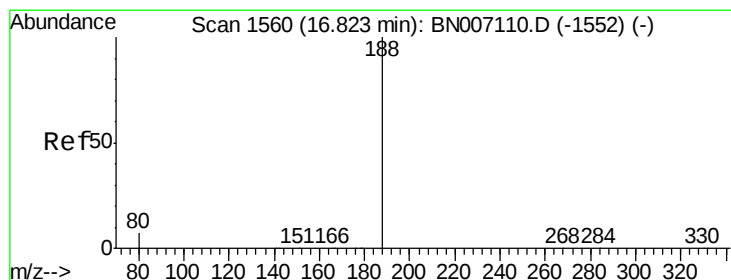
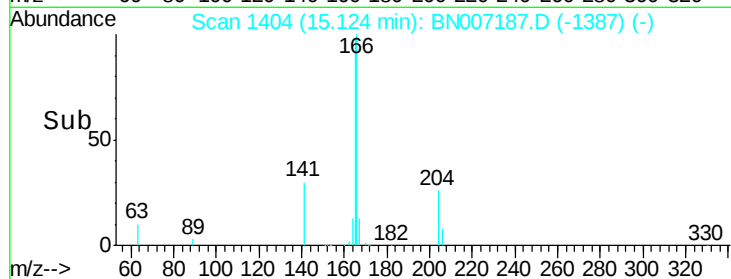
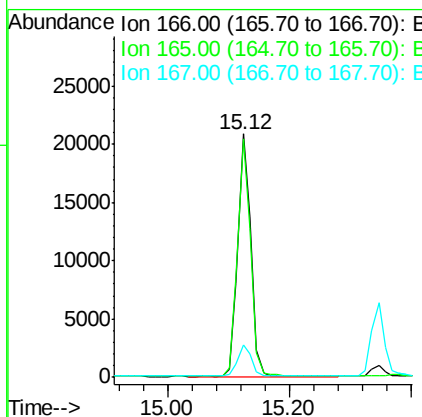
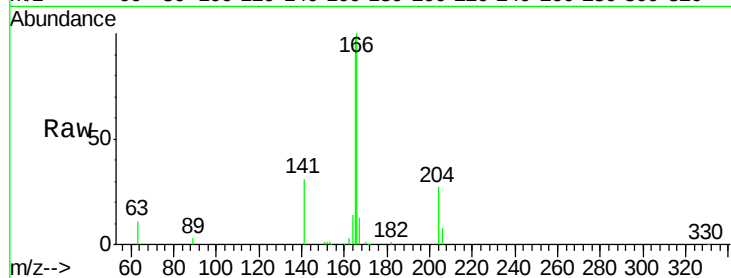


#17
Fluorene
 Concen: 0.330 ng
 RT: 15.12 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BN007187.D
 Acq: 15 Aug 2019 09:31

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:166 Resp: 30785

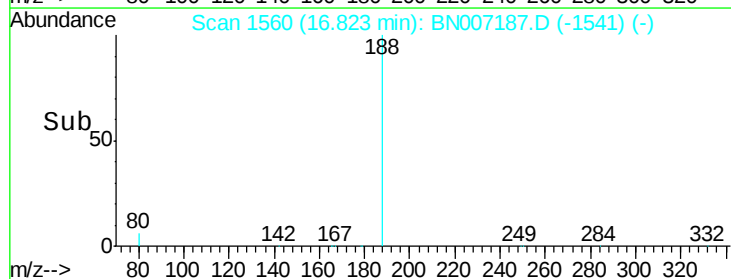
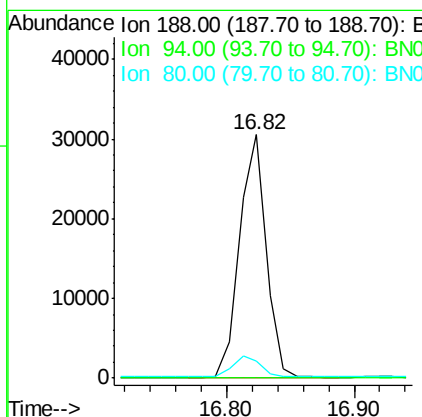
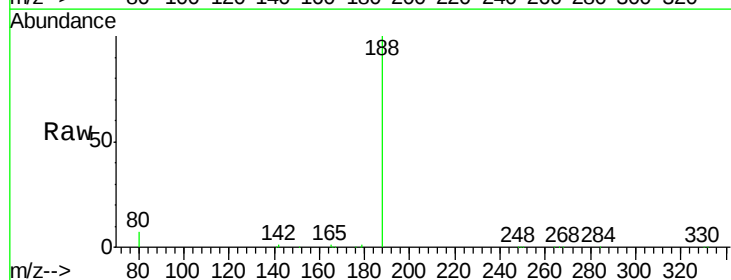
Ion	Ratio	Lower	Upper
166	100		
165	96.8	77.9	116.9
167	13.2	10.9	16.3

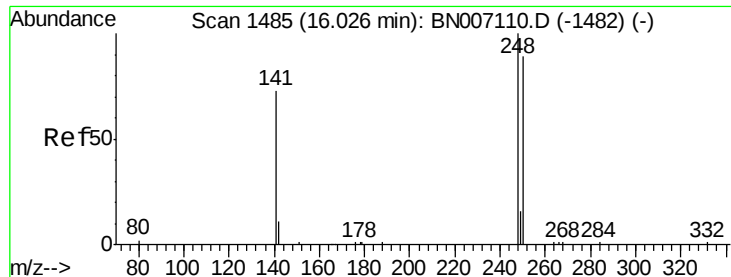


#18
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BN007187.D
 Acq: 15 Aug 2019 09:31

Tgt Ion:188 Resp: 44228

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.8	7.8	11.6#





#19

4-Bromophenyl-phenylether

Concen: 0.392 ng

RT: 16.03 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

Instrument :

BNA_N

ClientSampled :

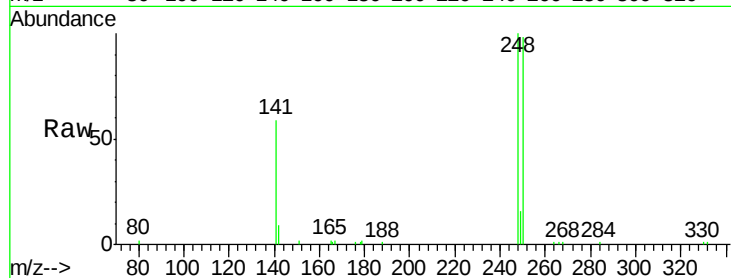
Tot Ion:248 Resp: 10709

Ion Ratio Lower Upper

248 100

250 98.5 78.9 118.3

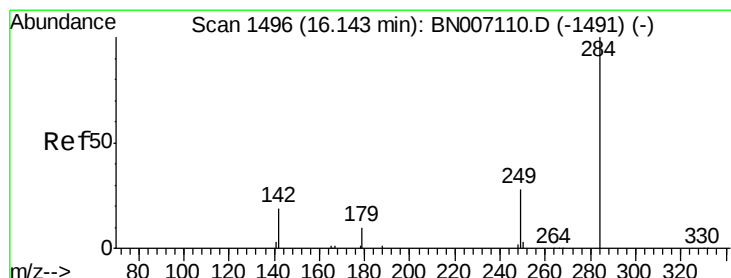
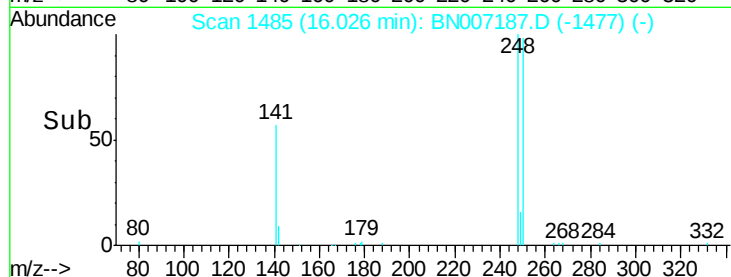
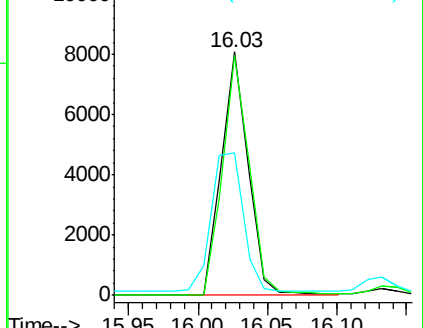
141 58.7 43.3 64.9



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: 0.410 ng

RT: 16.13 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

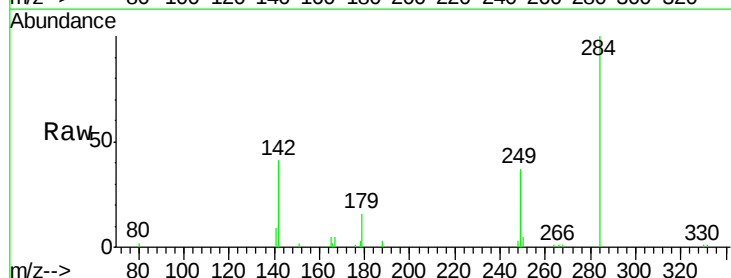
Tgt Ion:284 Resp: 10797

Ion Ratio Lower Upper

284 100

142 37.4 30.5 45.7

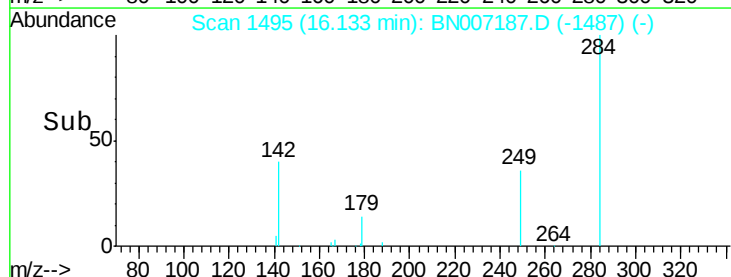
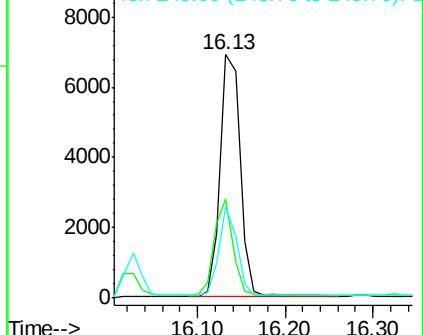
249 32.7 26.7 40.1

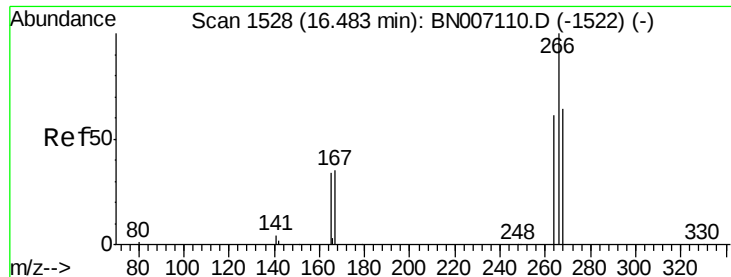


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

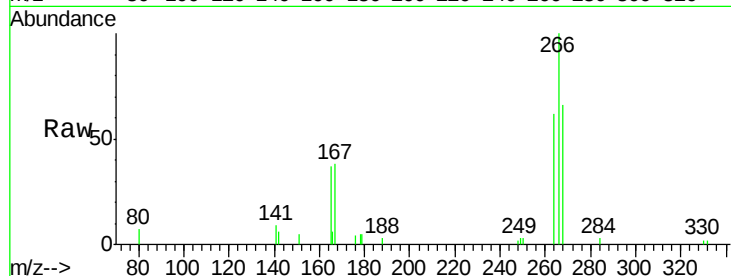




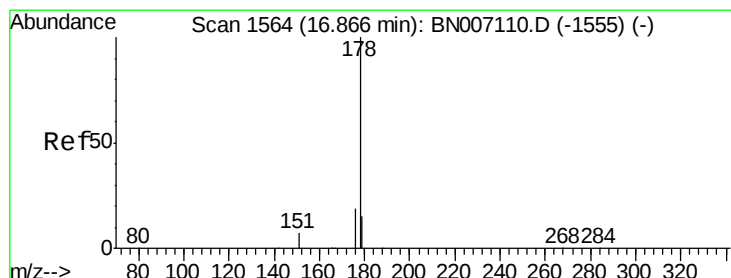
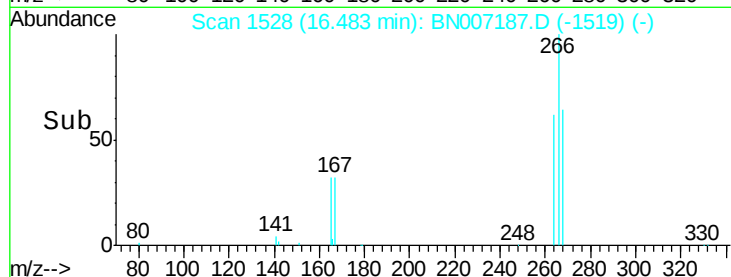
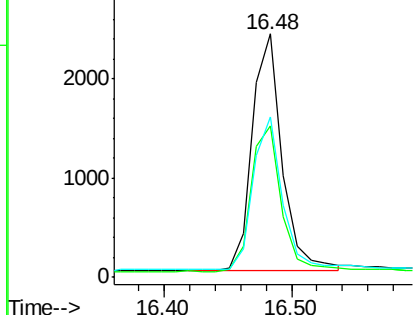
#21
 Pentachlorophenol
 Concen: 0.399 ng
 RT: 16.48 min Scan# 1528
 Delta R.T. -0.00 min
 Lab File: BN007187.D
 Acq: 15 Aug 2019 09:31

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:266 Resp: 3908
 Ion Ratio Lower Upper
 266 100
 264 62.2 52.3 78.5
 268 65.7 51.5 77.3

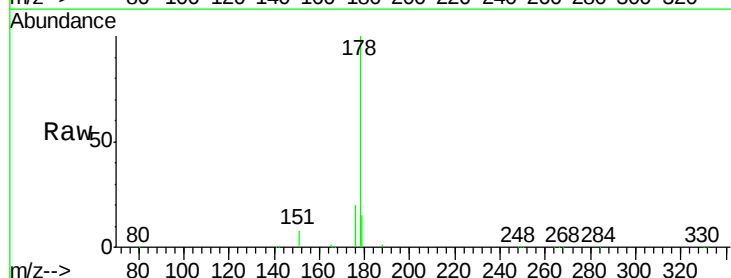


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

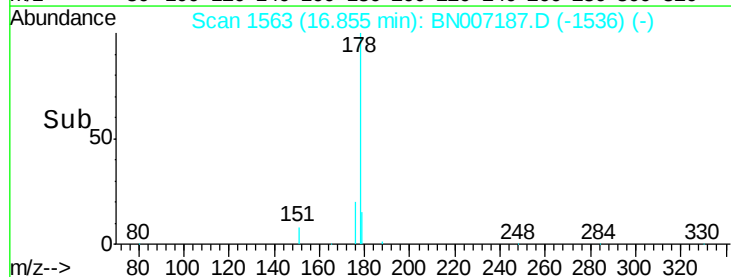
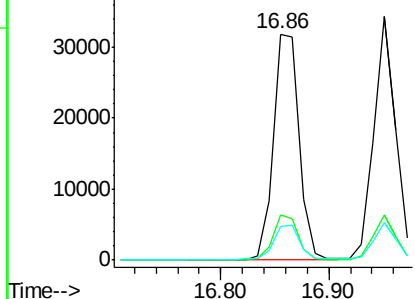


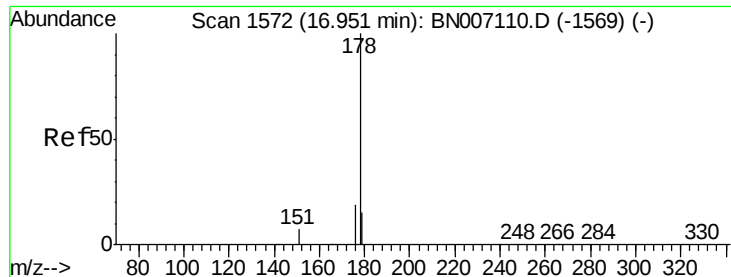
#22
 Phenanthrene
 Concen: 0.393 ng
 RT: 16.86 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BN007187.D
 Acq: 15 Aug 2019 09:31

Tgt Ion:178 Resp: 52029
 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: 0.397 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

Instrument :

BNA_N

ClientSampleId :

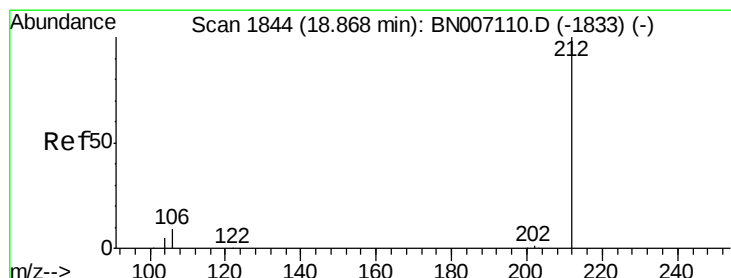
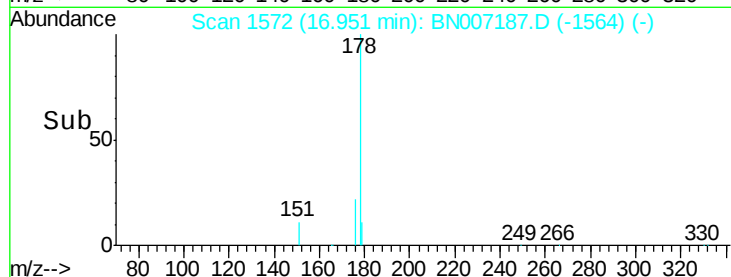
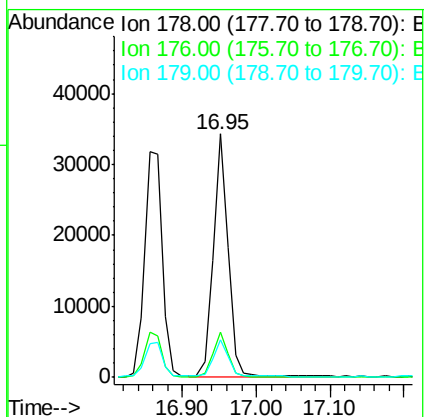
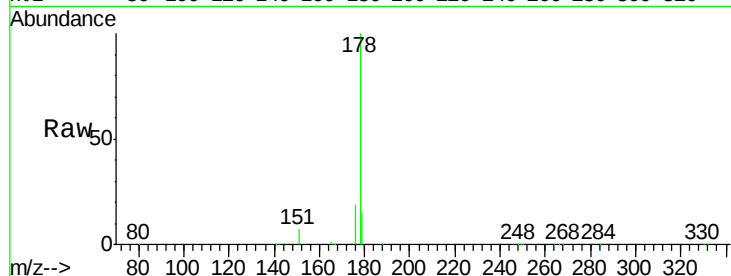
Tot Ion:178 Resp: 48077

Ion Ratio Lower Upper

178 100

176 18.3 14.6 21.8

179 15.3 12.5 18.7



#24

Fluoranthene-d10

Concen: 0.380 ng

RT: 18.86 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

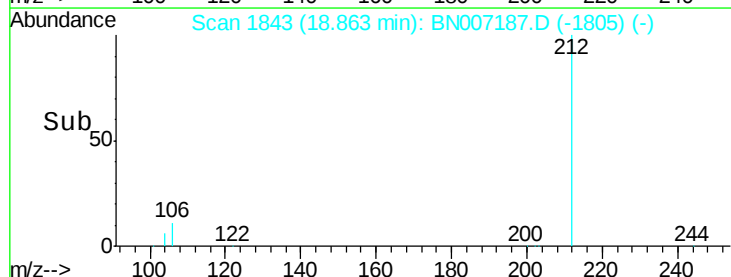
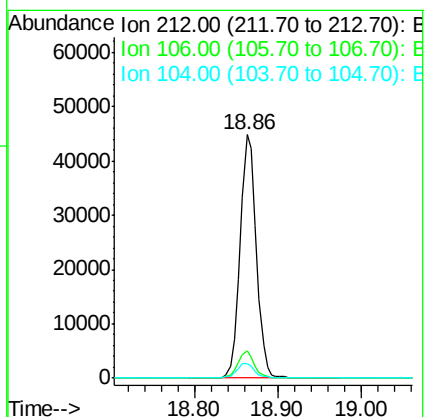
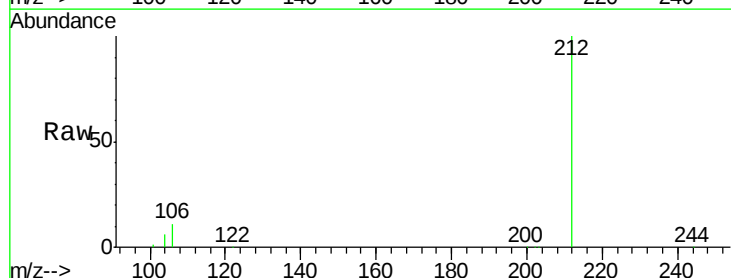
Tgt Ion:212 Resp: 59593

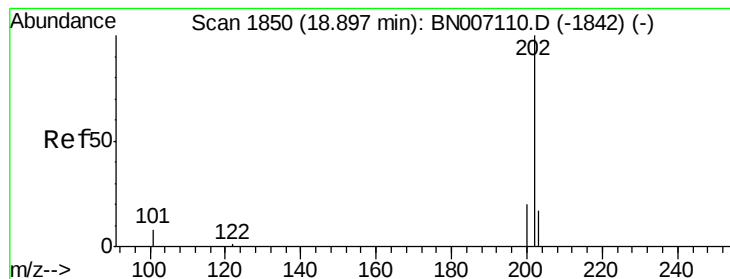
Ion Ratio Lower Upper

212 100

106 10.4 8.2 12.2

104 5.8 4.5 6.7





#25

Fluoranthene

Concen: 0.381 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

Instrument :

BNA_N

ClientSampleId :

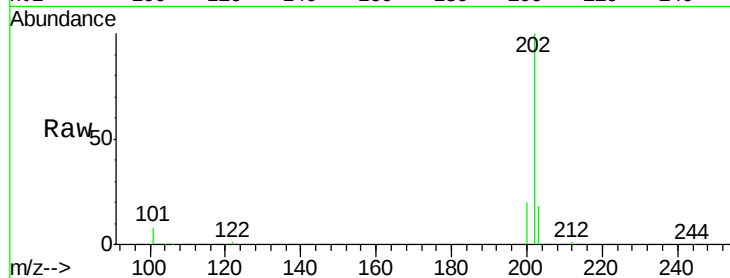
Tot Ion:202 Resp: 64544

Ion Ratio Lower Upper

202 100

101 9.2 7.0 10.4

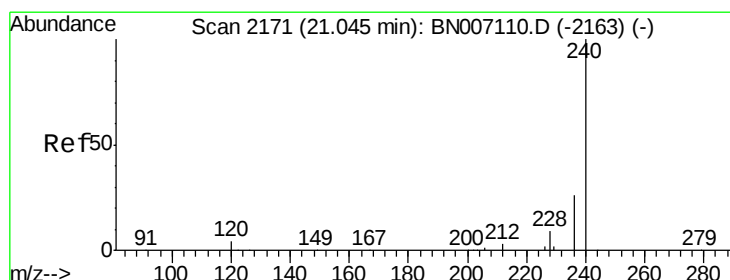
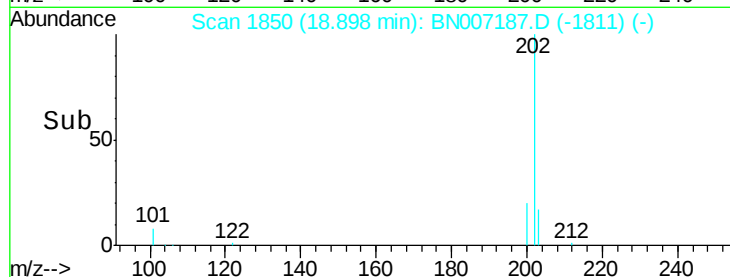
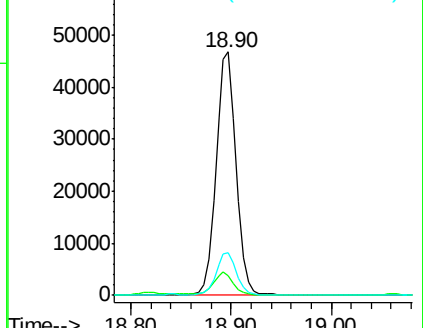
203 17.3 13.8 20.8



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: BN007187.D

Acq: 15 Aug 2019 09:31

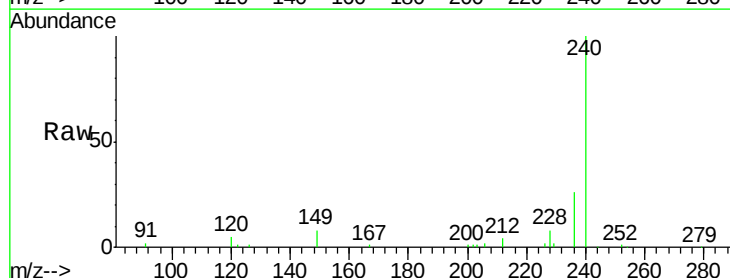
Tgt Ion:240 Resp: 46780

Ion Ratio Lower Upper

240 100

120 4.6 4.0 6.0

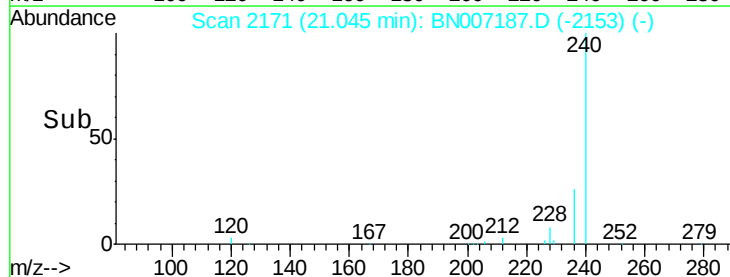
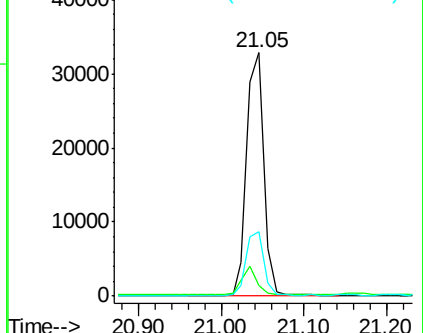
236 26.4 21.3 31.9

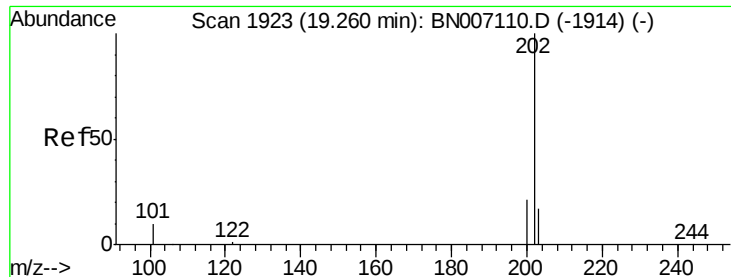


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

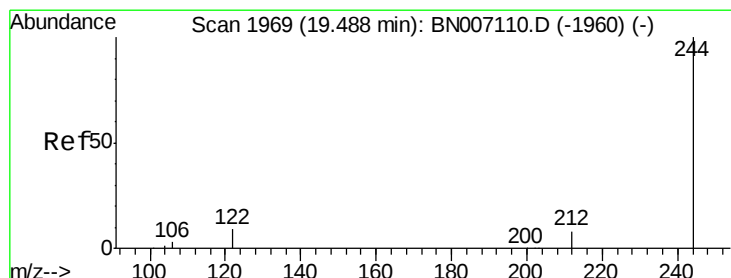
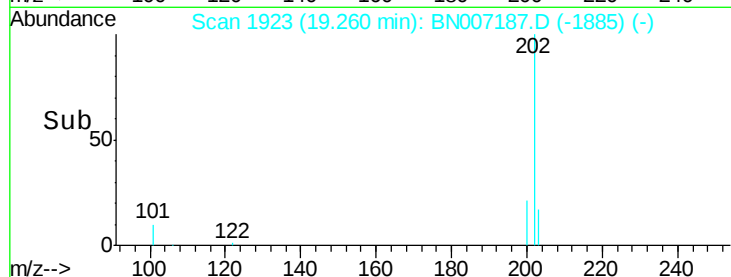
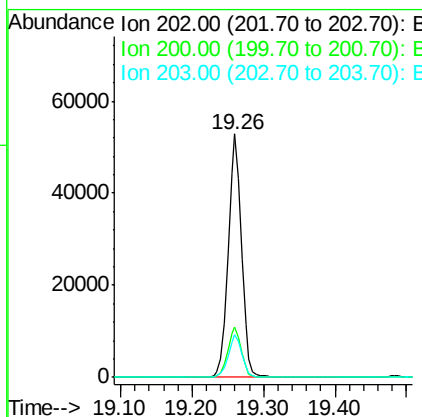
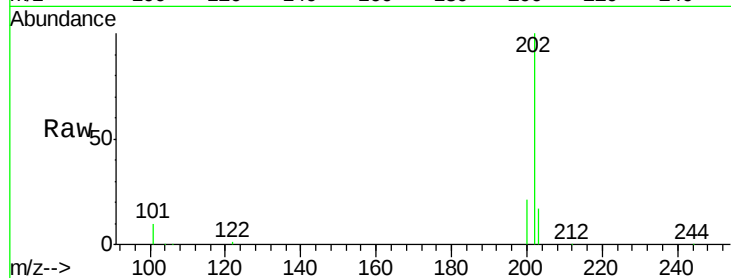




#27
Pvrene
Concen: 0.413 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007187.D
Acq: 15 Aug 2019 09:31

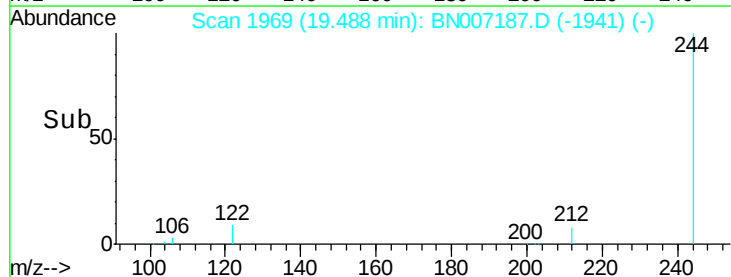
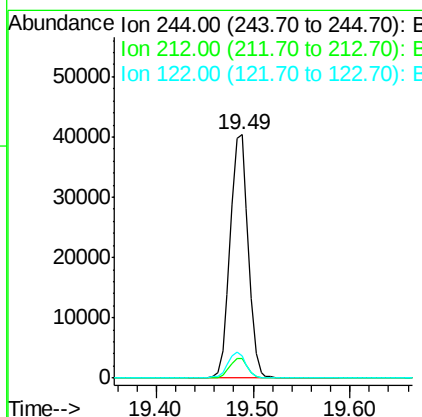
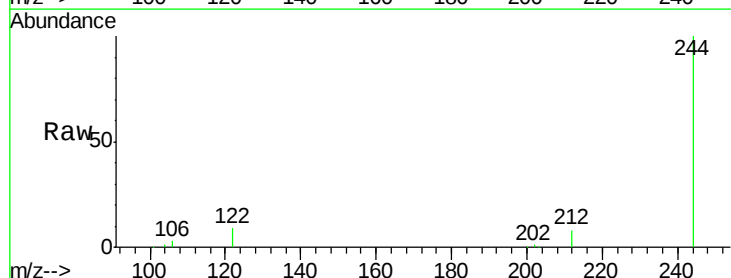
Instrument :
BNA_N
ClientSampleId :

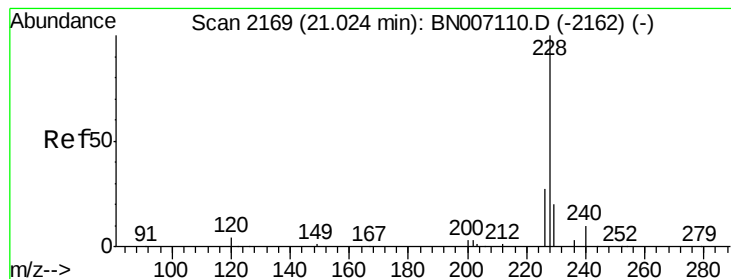
Tot Ion:202 Resp: 67700
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 17.6 14.0 21.0



#28
Terphenyl-d14
Concen: 0.409 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007187.D
Acq: 15 Aug 2019 09:31

Tgt Ion:244 Resp: 52153
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.2
122 9.1 7.4 11.2





#29

Benzo(a)anthracene

Concen: 0.392 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

Instrument :

BNA_N

ClientSampleId :

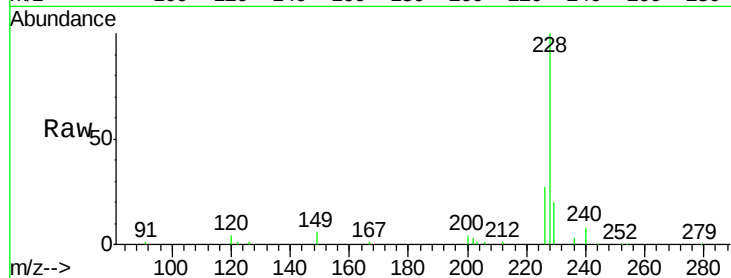
Tot Ion:228 Resp: 67082

Ion Ratio Lower Upper

228 100

226 27.1 21.8 32.6

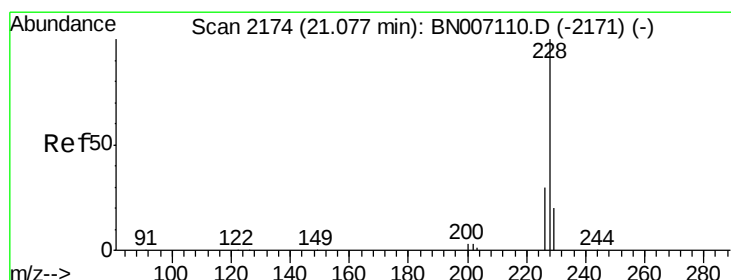
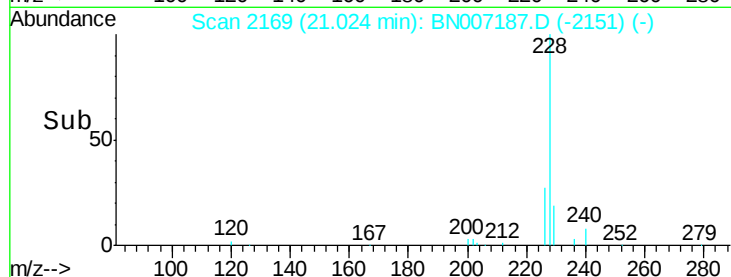
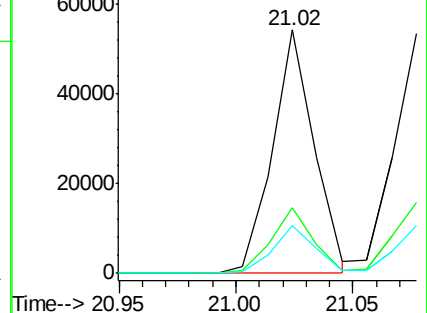
229 19.7 15.6 23.4



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: 0.397 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

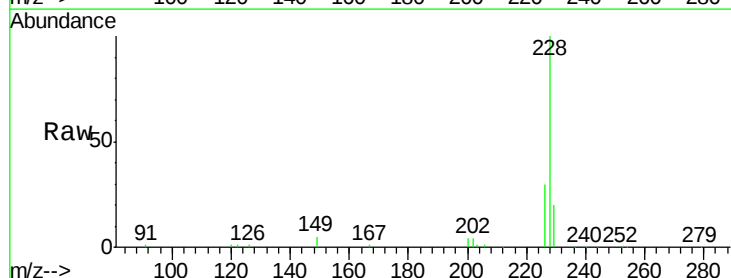
Tgt Ion:228 Resp: 65911

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.6

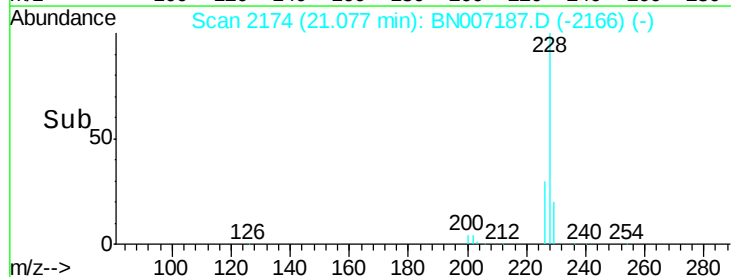
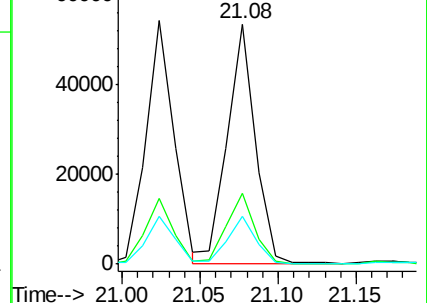
229 19.9 15.7 23.5

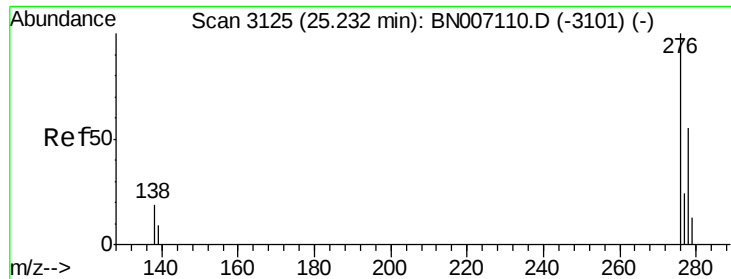


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

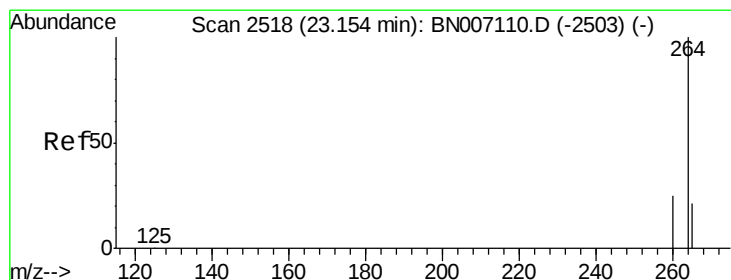
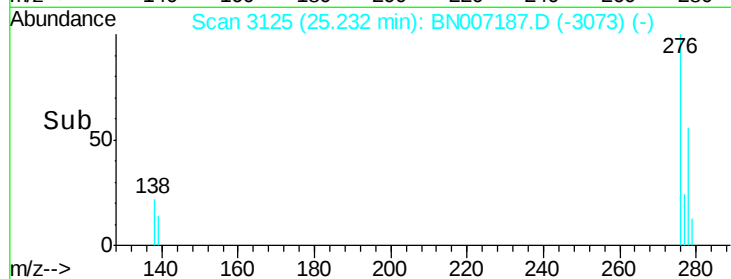
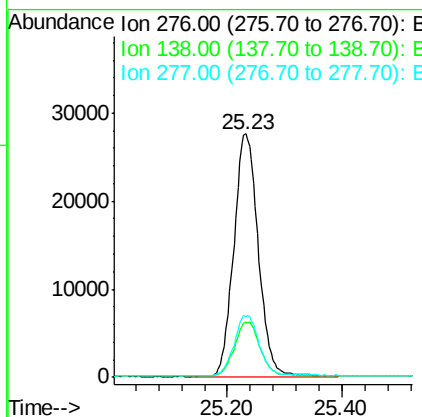
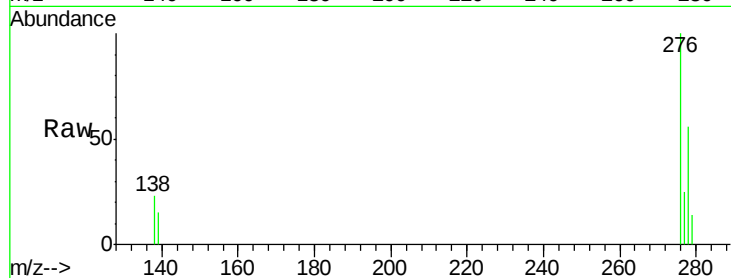




#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.446 ng
 RT: 25.23 min Scan# 3125
 Delta R.T. -0.02 min
 Lab File: BN007187.D
 Acq: 15 Aug 2019 09:31

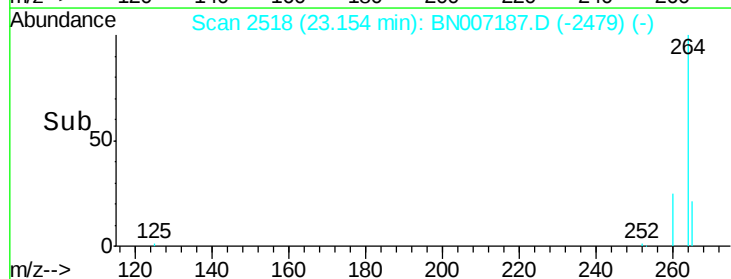
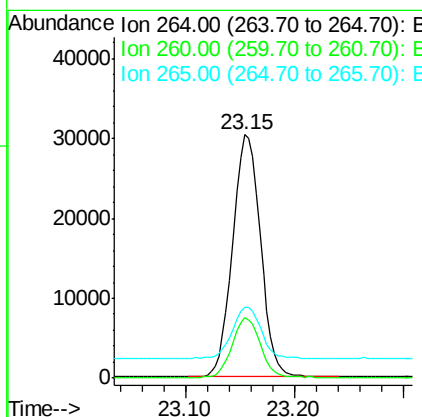
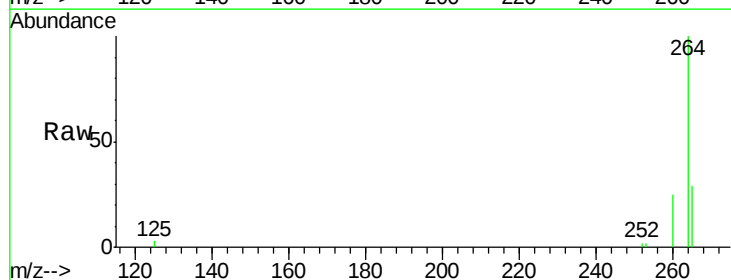
Instrument :
 BNA_N
 ClientSampleId :

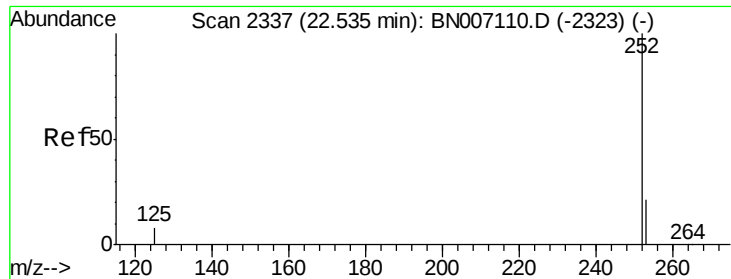
Tot Ion:276 Resp: 81655
 Ion Ratio Lower Upper
 276 100
 138 22.9 16.0 24.0
 277 25.0 19.9 29.9



#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.15 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BN007187.D
 Acq: 15 Aug 2019 09:31

Tgt Ion:264 Resp: 53728
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.8 29.8
 265 29.3 26.2 39.4





#33

Benzo(b)fluoranthene

Concen: 0.374 ng

RT: 22.53 min Scan# 2337

Delta R.T. -0.01 min

Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

Instrument :

BNA_N

ClientSampleId :

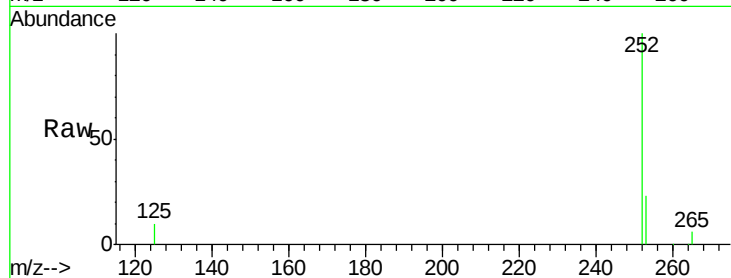
Tot Ion:252 Resp: 68947

Ion Ratio Lower Upper

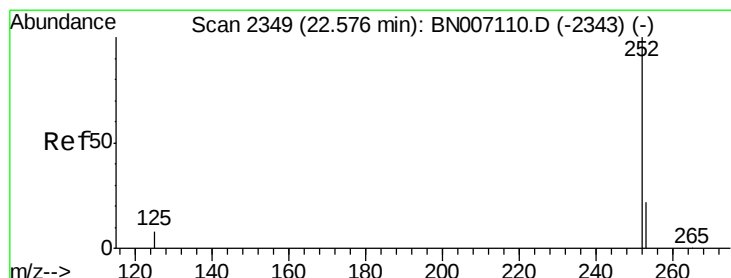
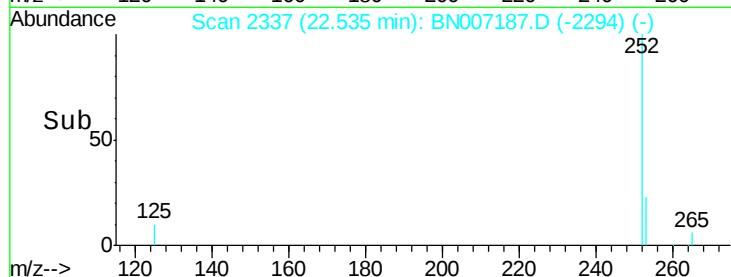
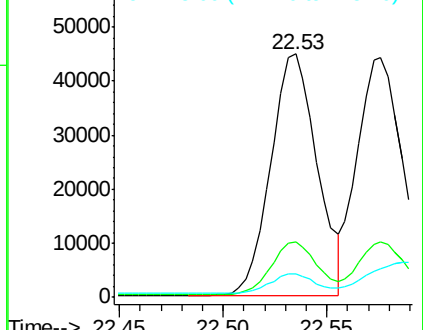
252 100

253 22.7 18.2 27.2

125 9.7 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: 0.379 ng

RT: 22.53 min Scan# 2337

Delta R.T. -0.05 min

Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

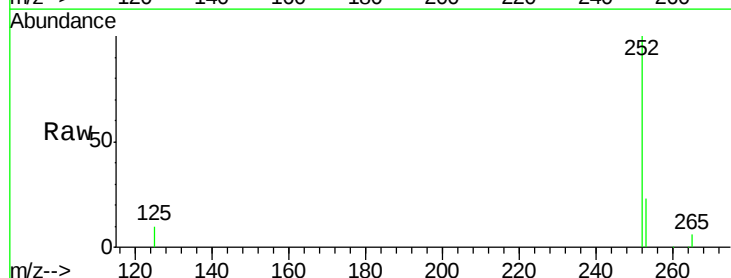
Tgt Ion:252 Resp: 68947

Ion Ratio Lower Upper

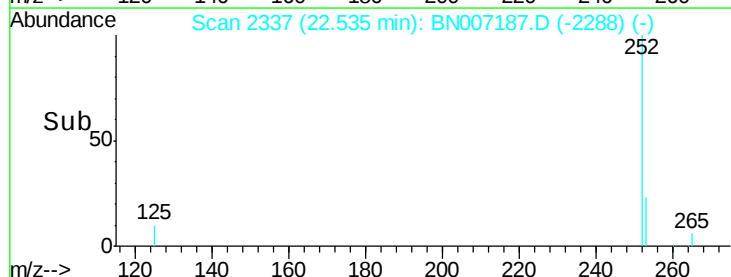
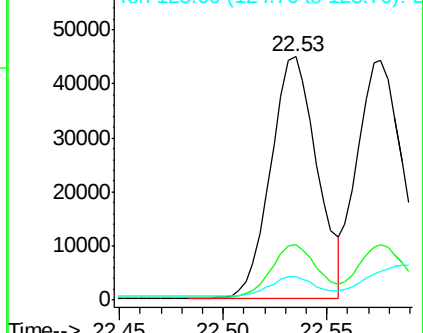
252 100

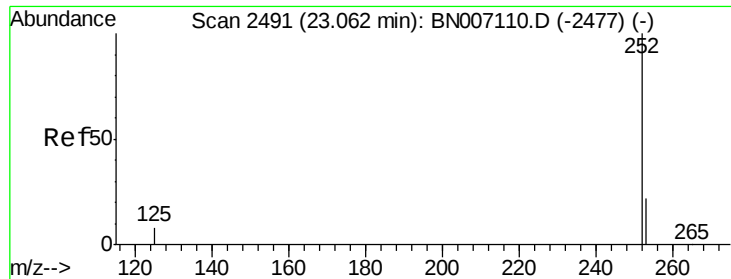
253 22.7 18.1 27.1

125 9.7 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: 0.378 ng

RT: 23.07 min Scan# 2492

Delta R.T. -0.02 min

Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

Instrument :

BNA_N

ClientSampleId :

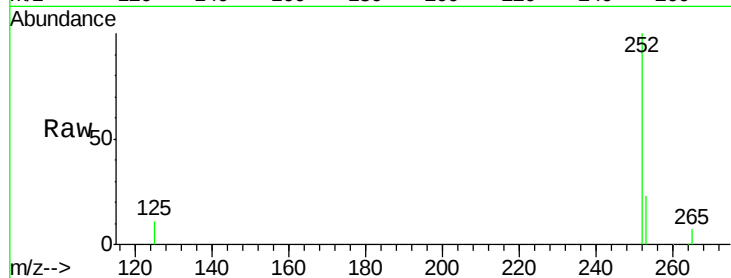
Tot Ion:252 Resp: 63166

Ion Ratio Lower Upper

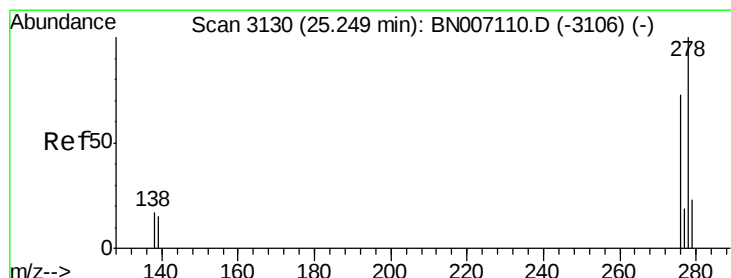
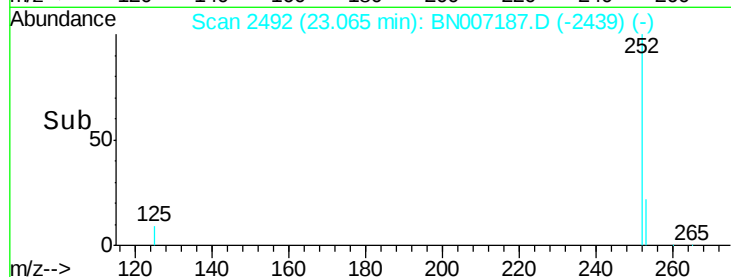
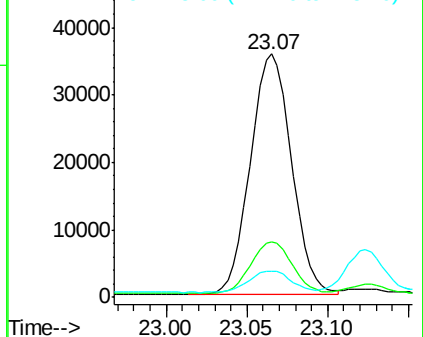
252 100

253 23.0 18.5 27.7

125 10.8 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: 0.400 ng

RT: 25.25 min Scan# 3129

Delta R.T. -0.03 min

Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

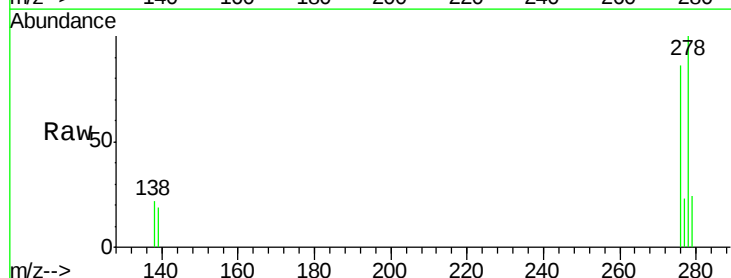
Tgt Ion:278 Resp: 66726

Ion Ratio Lower Upper

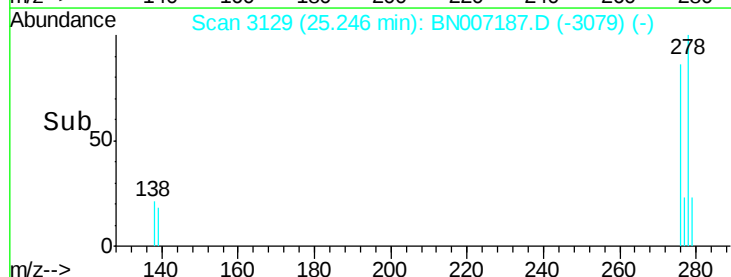
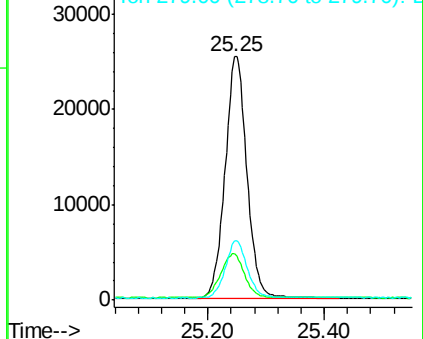
278 100

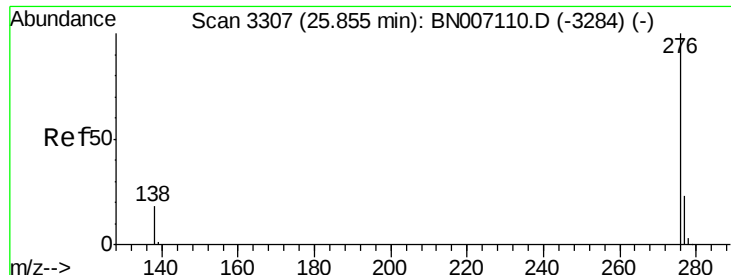
139 18.9 11.3 16.9#

279 24.2 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: 0.378 ng

RT: 25.86 min Scan# 3308

Delta R.T. -0.02 min

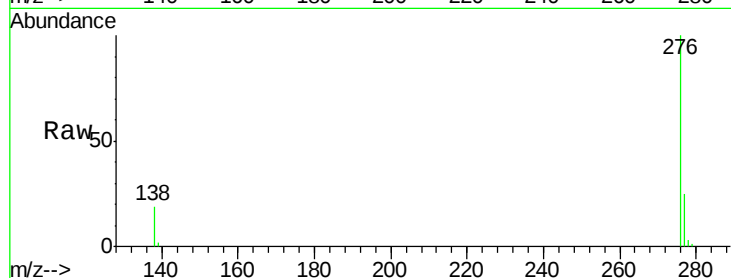
Lab File: BN007187.D

Acq: 15 Aug 2019 09:31

Instrument :

BNA_N

ClientSampleId :



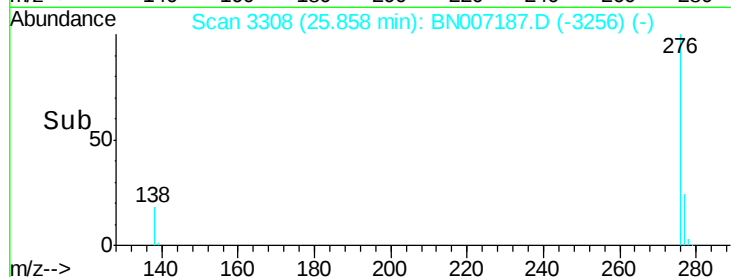
Tot Ion: 276 Resp: 64807

Ion Ratio Lower Upper

276 100

277 24.7 19.8 29.8

138 19.1 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

