

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081519\
 Data File : BN007189.D
 Acq On : 15 Aug 2019 10:45
 Operator : HP/JU
 Sample : K4143-02MSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 16 02:37:42 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	7419	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	27882	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	15968	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	39497	0.40	ng	0.00
26) Chrysene-d12	21.05	240	40082	0.40	ng	-0.01
32) Perylene-d12	23.16	264	44670	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	4124	0.23	ng	0.00
4) Phenol-d6	6.61	99	5676	0.26	ng	0.00
7) Nitrobenzene-d5	8.55	82	4376	0.19	ng	-0.01
10) 2-Methylnaphthalene-d10	11.79	152	10890	0.21	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1513	0.18	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	1335	0.06	ng	0.00
24) Fluoranthene-d10	18.87	212	26359	0.19	ng	0.00
28) Terphenyl-d14	19.49	244	21250	0.19	ng	0.00

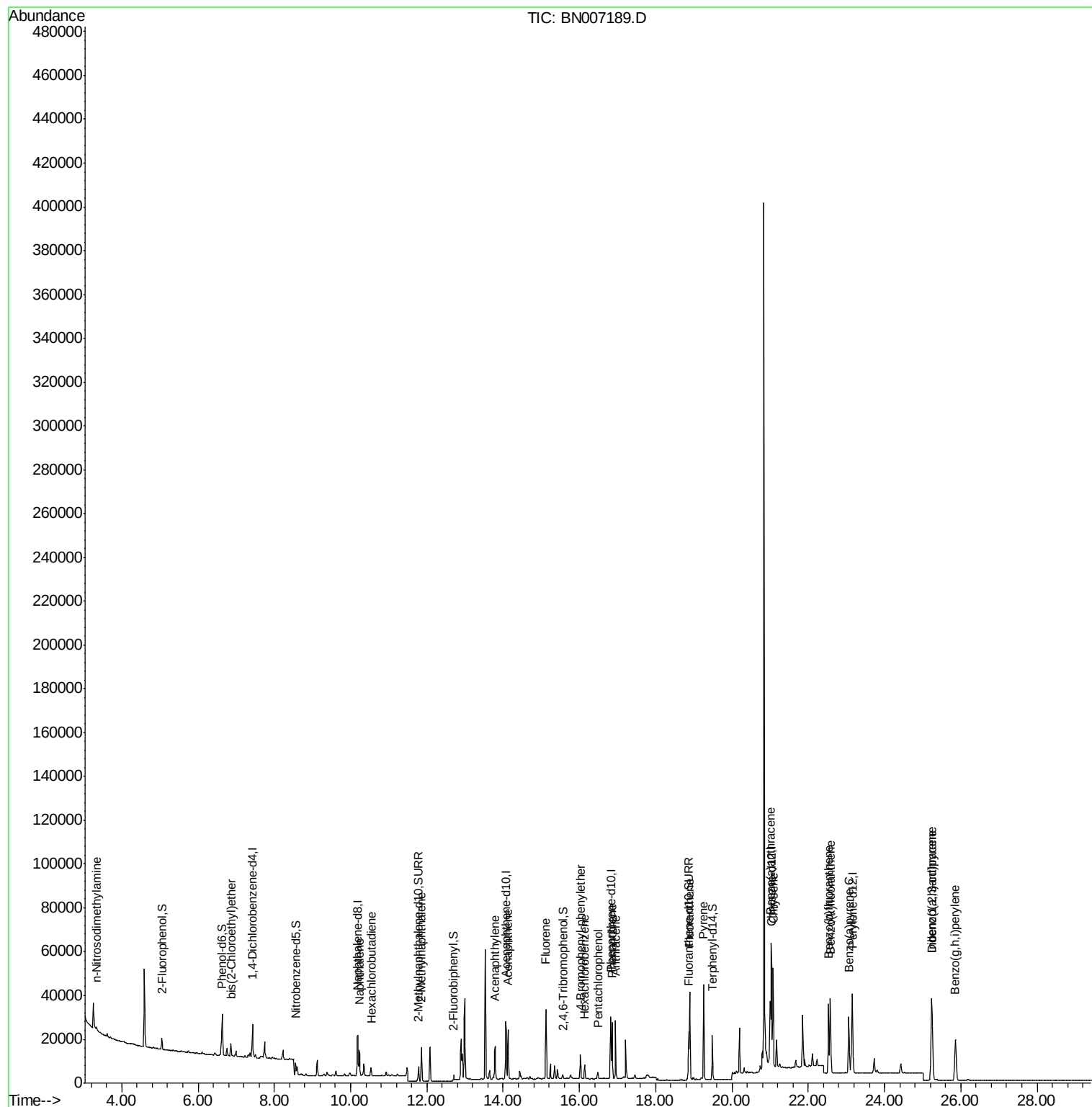
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.34	42	1556	0.319	ng	# 94
5) bis(2-Chloroethyl)ether	6.86	93	4579	0.235	ng	98
8) Naphthalene	10.23	128	16273	0.208	ng	100
9) Hexachlorobutadiene	10.54	225	3303	0.198	ng	# 99
11) 2-Methylnaphthalene	11.86	142	11707	0.211	ng	97
15) Acenaphthylene	13.79	152	18354	0.220	ng	99
16) Acenaphthene	14.13	154	11138	0.208	ng	100
17) Fluorene	15.12	166	15263	0.191	ng	99
19) 4-Bromophenyl-phenylether	16.03	248	5663	0.232	ng	97
20) Hexachlorobenzene	16.13	284	4923	0.210	ng	99
21) Pentachlorophenol	16.48	266	1675	0.191	ng	96
22) Phenanthrene	16.86	178	29058	0.245	ng	100
23) Anthracene	16.95	178	26064	0.241	ng	100
25) Fluoranthene	18.89	202	37509	0.248	ng	99
27) Pyrene	19.26	202	38814	0.276	ng	99
29) Benzo(a)anthracene	21.02	228	36483	0.249	ng	99
30) Chrysene	21.08	228	34241	0.240	ng	99
31) Indeno(1,2,3-cd)pyrene	25.24	276	44233	0.282	ng	98
33) Benzo(b)fluoranthene	22.53	252	37580	0.245	ng	# 97
34) Benzo(k)fluoranthene	22.58	252	38228	0.253	ng	# 88
35) Benzo(a)pyrene	23.07	252	34782	0.250	ng	# 97
36) Dibenzo(a,h)anthracene	25.25	278	35296	0.255	ng	# 95
37) Benzo(g,h,i)perylene	25.86	276	37227	0.261	ng	98

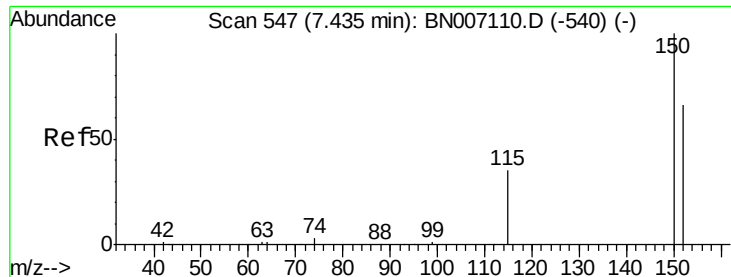
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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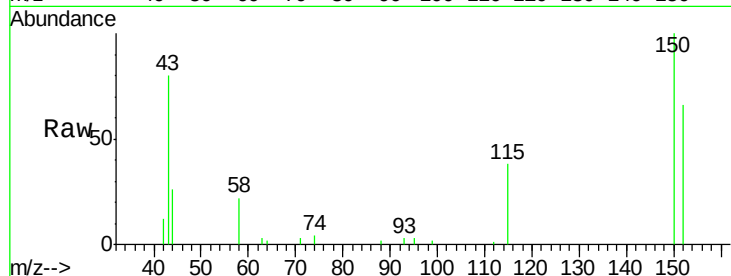


#1

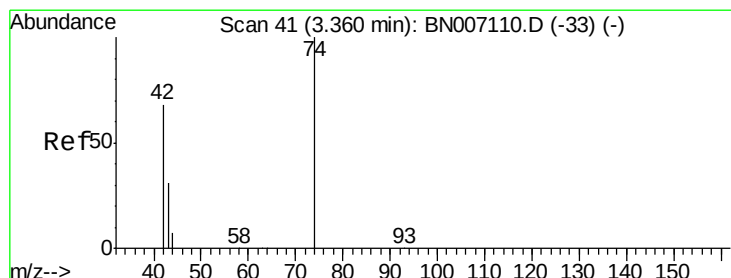
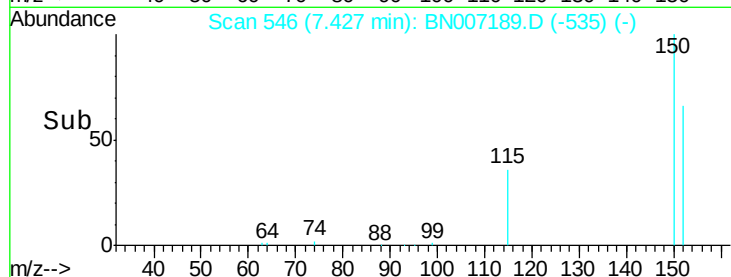
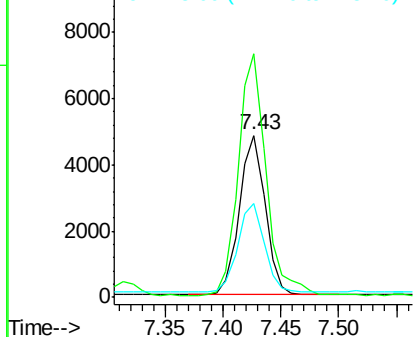
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007189.D
Acq: 15 Aug 2019 10:45

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 7419
Ion Ratio Lower Upper
152 100
150 150.6 121.7 182.5
115 57.8 46.2 69.4



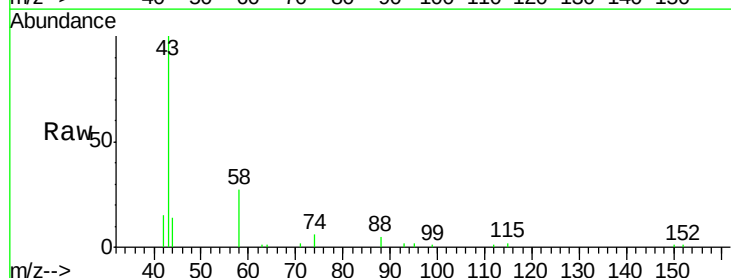
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



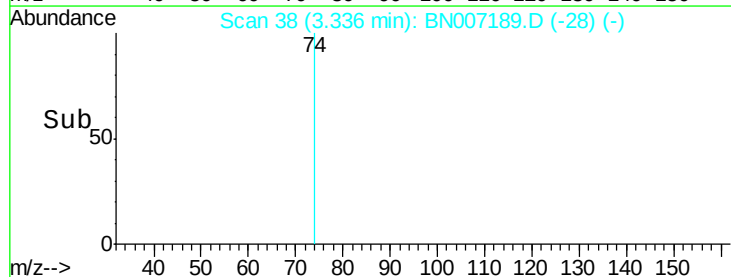
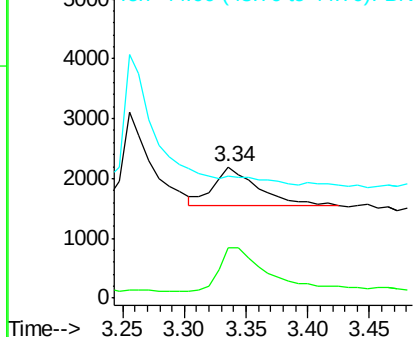
#2

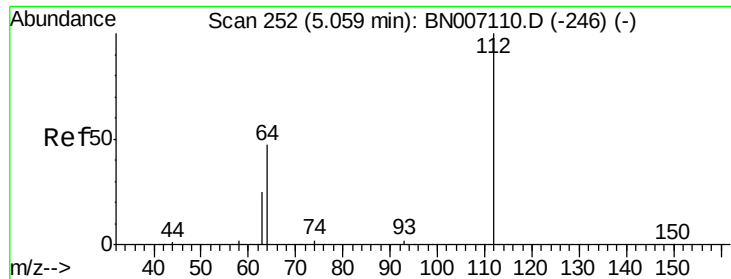
n-Nitrosodimethylamine
Concen: 0.319 ng
RT: 3.34 min Scan# 38
Delta R.T. -0.02 min
Lab File: BN007189.D
Acq: 15 Aug 2019 10:45

Tgt Ion: 42 Resp: 1556
Ion Ratio Lower Upper
42 100
74 131.4 110.6 166.0
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: 0.231 ng

RT: 5.06 min Scan# 252

Delta R.T. -0.00 min

Lab File: BN007189.D

Acq: 15 Aug 2019 10:45

Instrument :

BNA_N

ClientSampleId :

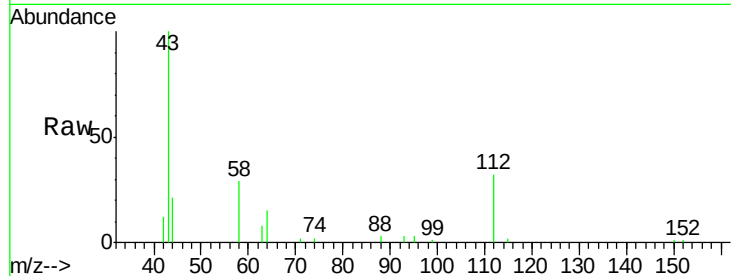
Tot Ion: 112 Resp: 4124

Ion Ratio Lower Upper

112 100

64 52.3 42.6 63.8

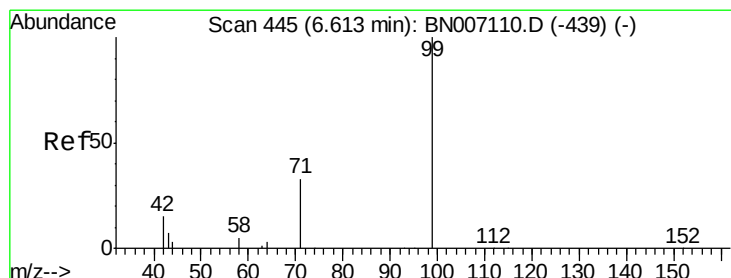
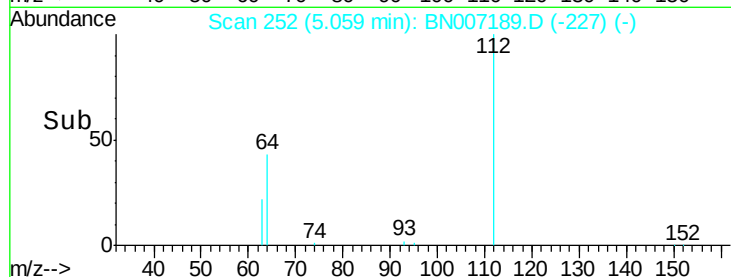
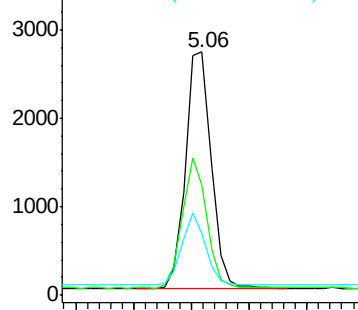
63 28.2 22.2 33.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#4

Phenol-d6

Concen: 0.257 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007189.D

Acq: 15 Aug 2019 10:45

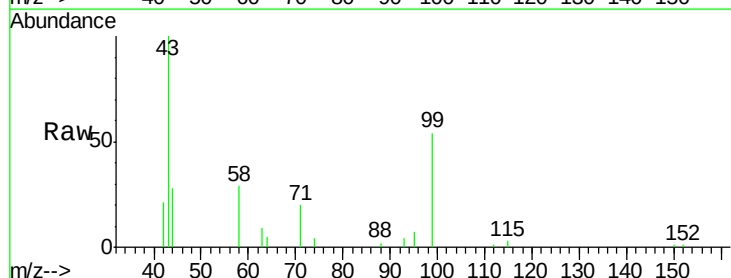
Tgt Ion: 99 Resp: 5676

Ion Ratio Lower Upper

99 100

42 36.8 15.8 23.6#

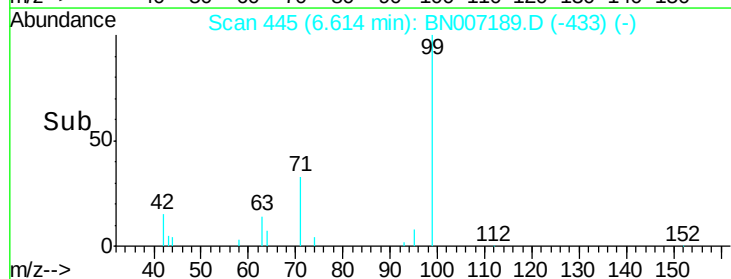
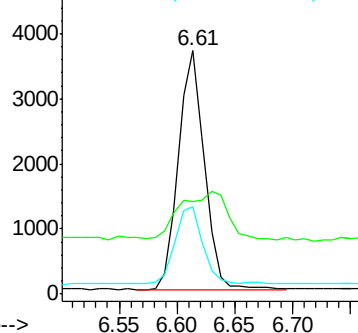
71 35.0 27.0 40.4

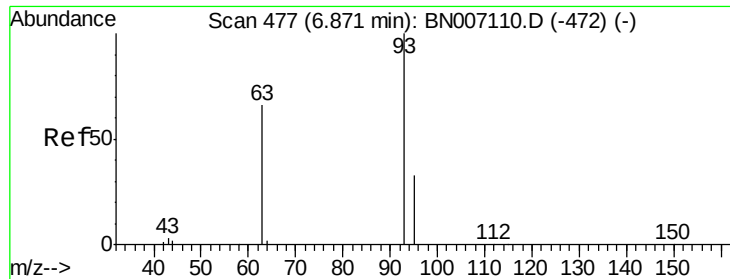


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#5

bis(2-Chloroethyl)ether

Concen: 0.235 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.01 min

Lab File: BN007189.D

Acq: 15 Aug 2019 10:45

Instrument :

BNA_N

ClientSampleId :

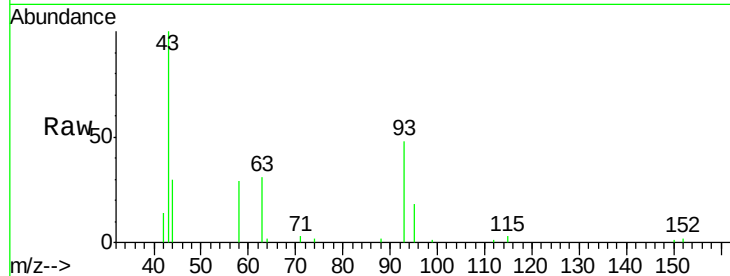
Tot Ion: 93 Resp: 4579

Ion Ratio Lower Upper

93 100

63 67.7 55.6 83.4

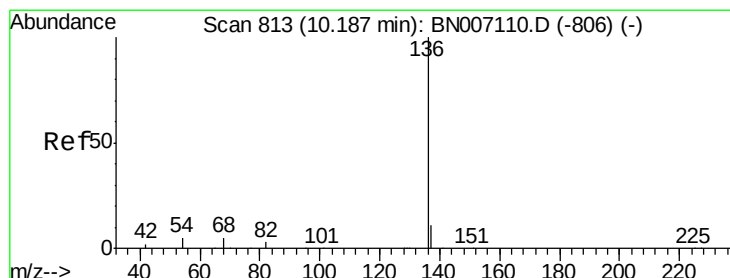
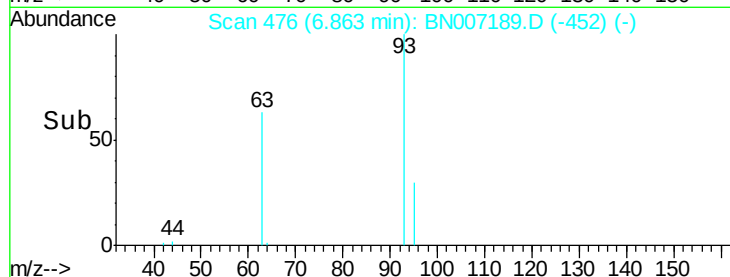
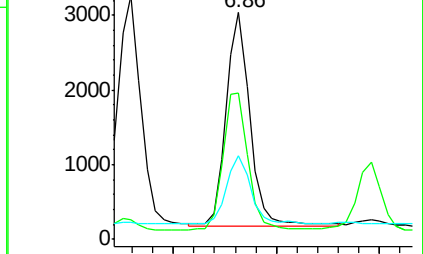
95 33.2 26.7 40.1



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: BN007189.D

Acq: 15 Aug 2019 10:45

Tgt Ion: 136 Resp: 27882

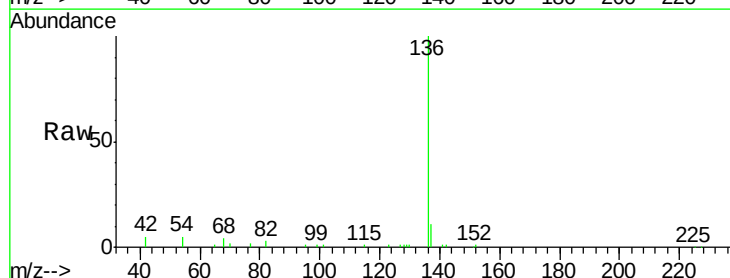
Ion Ratio Lower Upper

136 100

137 11.4 9.4 14.0

54 4.5 6.6 9.8#

68 4.5 6.0 9.0#

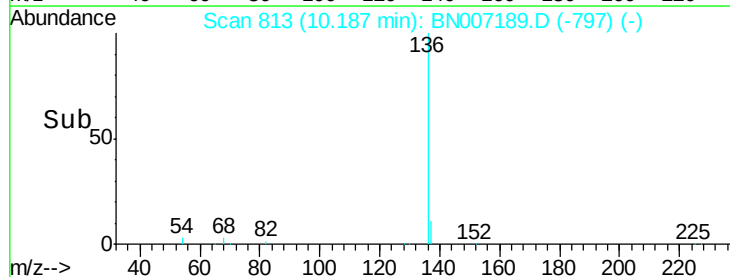
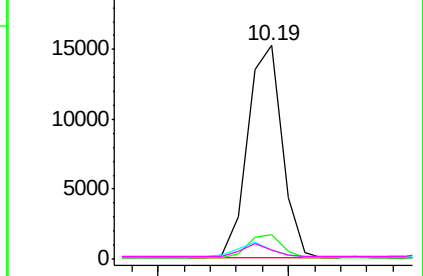


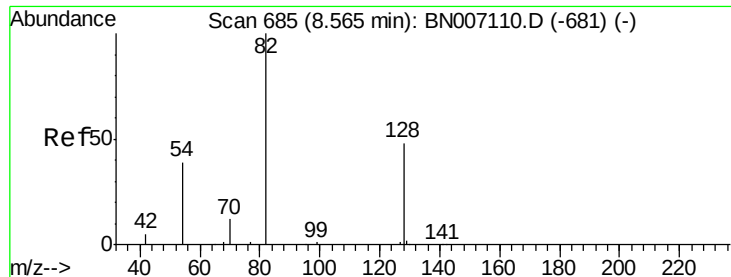
Abundance Ion 136.00 (135.70 to 136.70): BN007110.D (-806) (-)

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: 0.195 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007189.D

Acq: 15 Aug 2019 10:45

Instrument :

BNA_N

ClientSampleId :

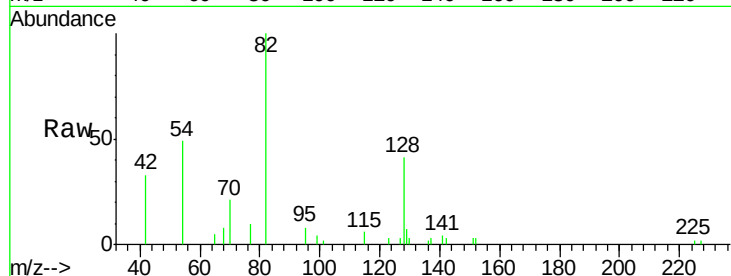
Tot Ion: 82 Resp: 4376

Ion Ratio Lower Upper

82 100

128 41.5 34.6 51.8

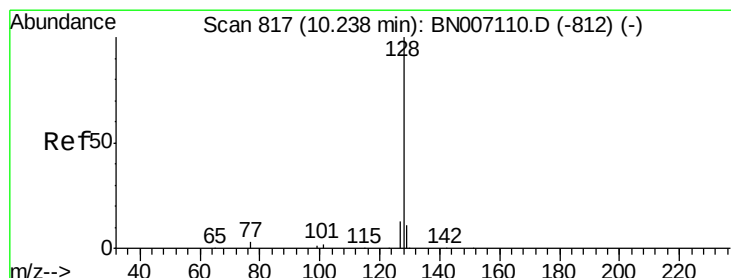
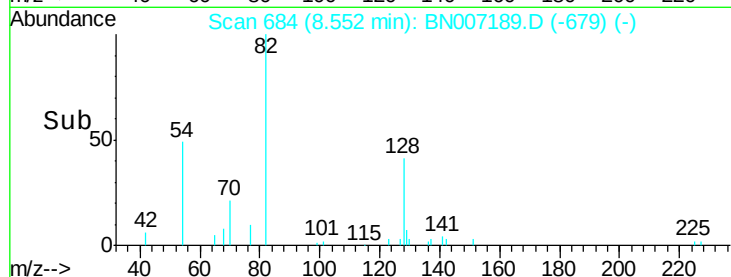
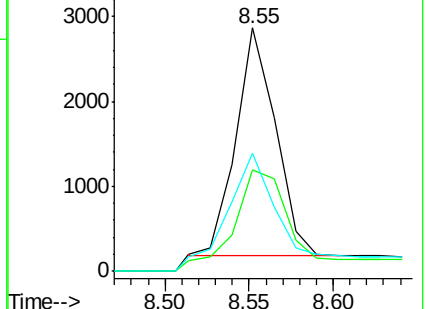
54 48.6 36.2 54.4



Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): BNC

Ion 54.00 (53.70 to 54.70): BNC



#8

Naphthalene

Concen: 0.208 ng

RT: 10.23 min Scan# 816

Delta R.T. -0.01 min

Lab File: BN007189.D

Acq: 15 Aug 2019 10:45

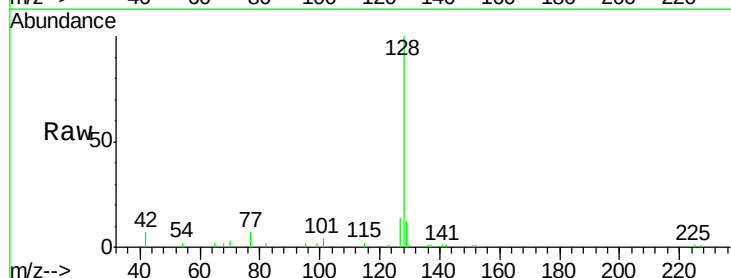
Tgt Ion: 128 Resp: 16273

Ion Ratio Lower Upper

128 100

129 12.1 9.4 14.2

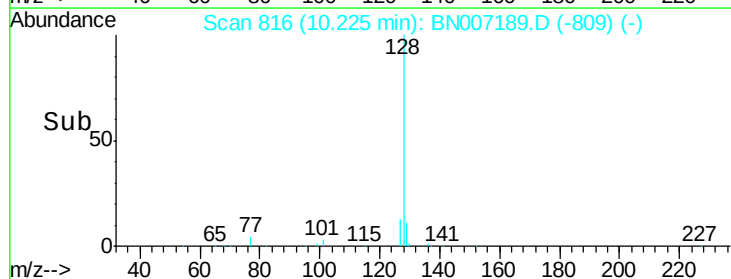
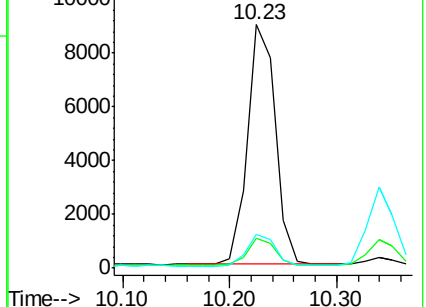
127 13.8 11.0 16.6

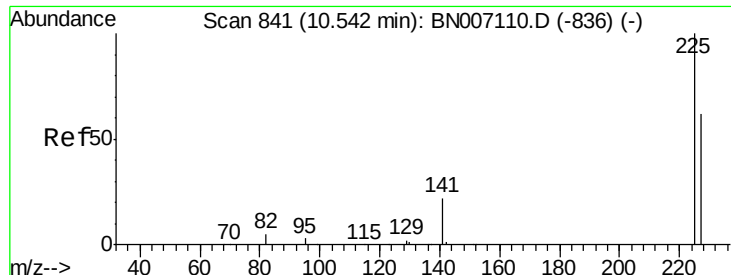


Abundance Ion 128.00 (127.70 to 128.70): BNC

Ion 129.00 (128.70 to 129.70): BNC

Ion 127.00 (126.70 to 127.70): BNC





#9

Hexachlorobutadiene

Concen: 0.198 ng

RT: 10.54 min Scan# 841

Delta R.T. -0.01 min

Lab File: BN007189.D

Acq: 15 Aug 2019 10:45

Instrument :

BNA_N

ClientSampled :

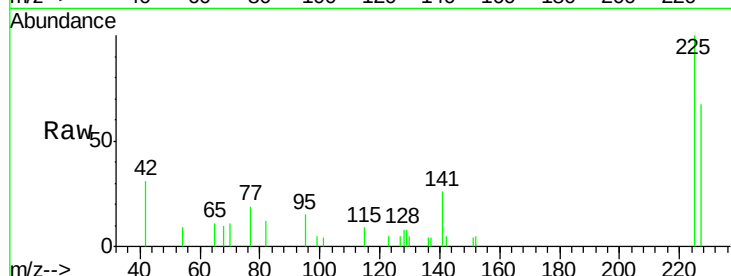
Tot Ion:225 Resp: 3303

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

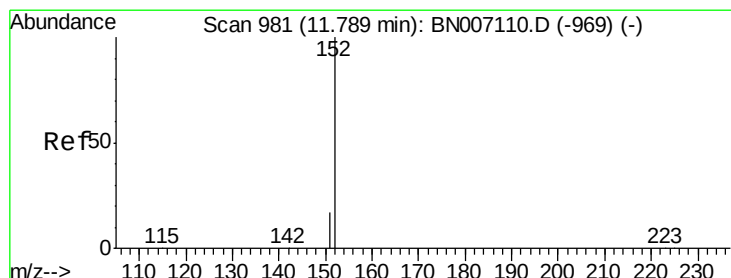
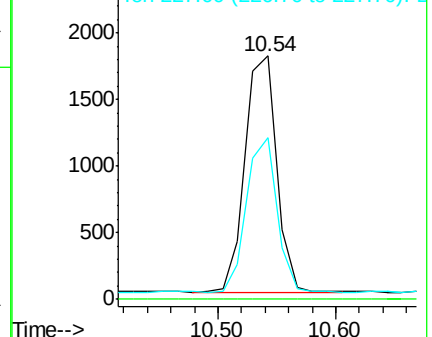
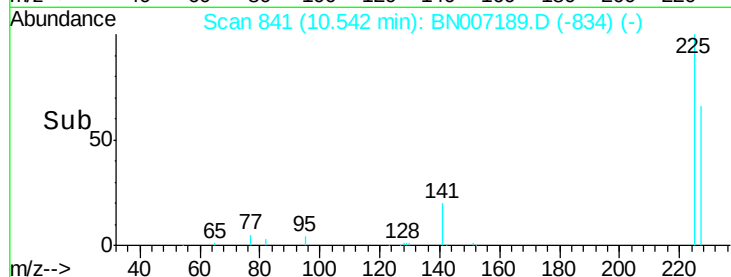
227 63.2 51.1 76.7



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: 0.209 ng

RT: 11.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BN007189.D

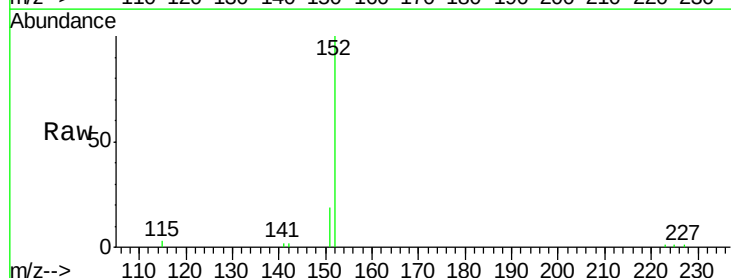
Acq: 15 Aug 2019 10:45

Tgt Ion:152 Resp: 10890

Ion Ratio Lower Upper

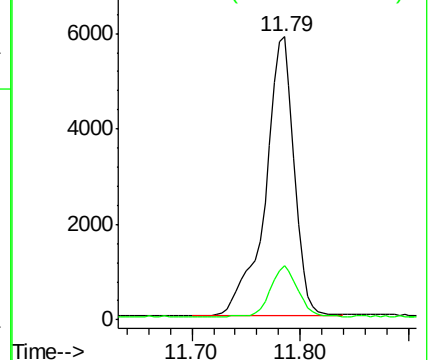
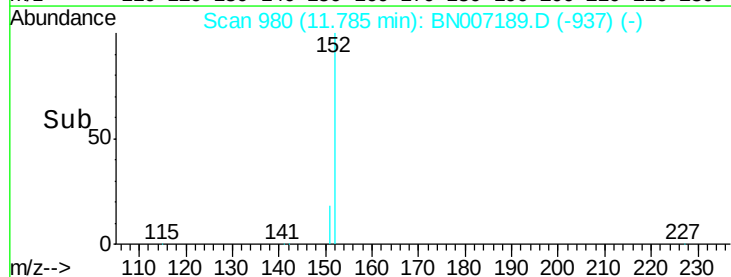
152 100

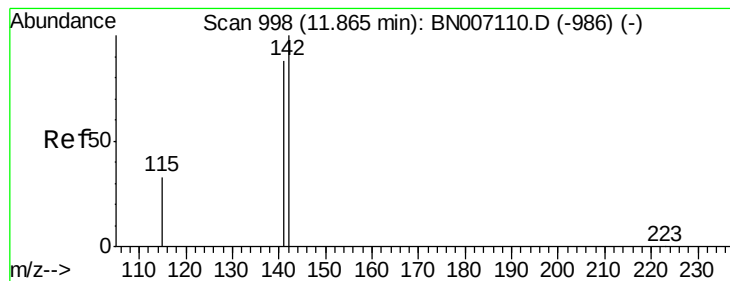
151 16.7 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#11

2-Methylnaphthalene

Concen: 0.211 ng

RT: 11.86 min Scan# 996

Delta R.T. -0.01 min

Lab File: BN007189.D

Acq: 15 Aug 2019 10:45

Instrument :

BNA_N

ClientSampleId :

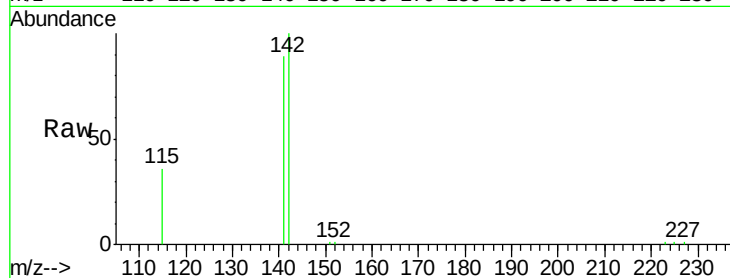
Tot Ion:142 Resp: 11707

Ion Ratio Lower Upper

142 100

141 89.1 69.0 103.6

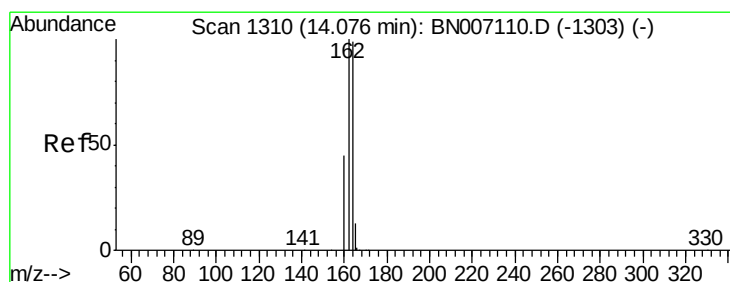
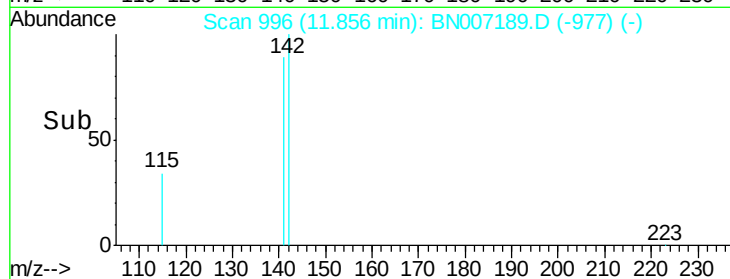
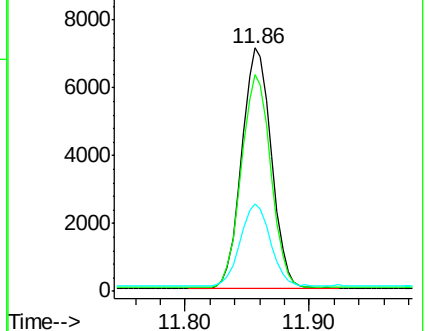
115 36.0 27.1 40.7



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: BN007189.D

Acq: 15 Aug 2019 10:45

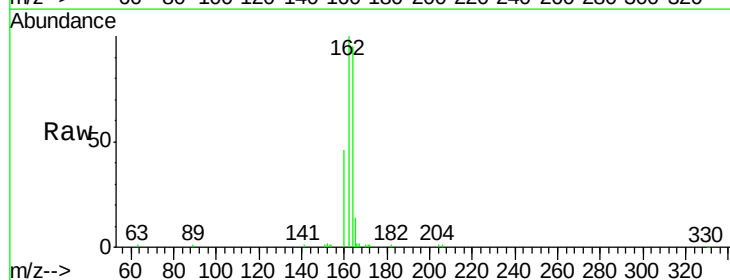
Tgt Ion:164 Resp: 15968

Ion Ratio Lower Upper

164 100

162 104.7 82.2 123.4

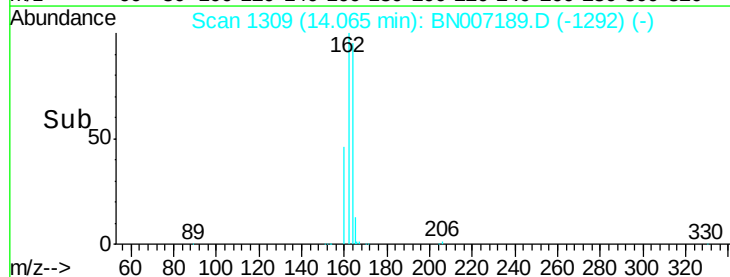
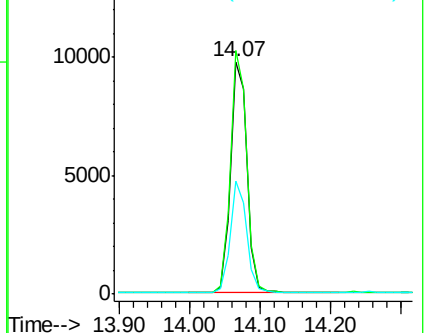
160 48.4 38.3 57.5

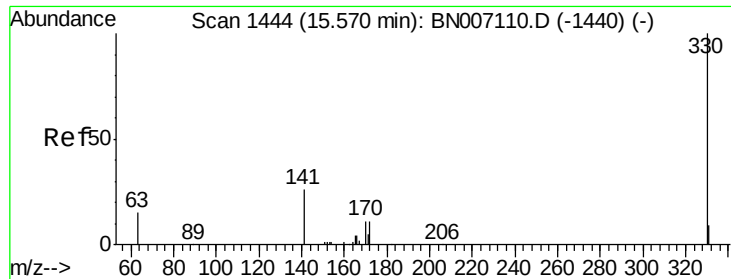


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

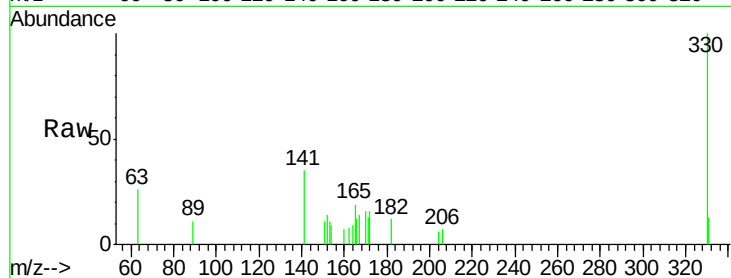




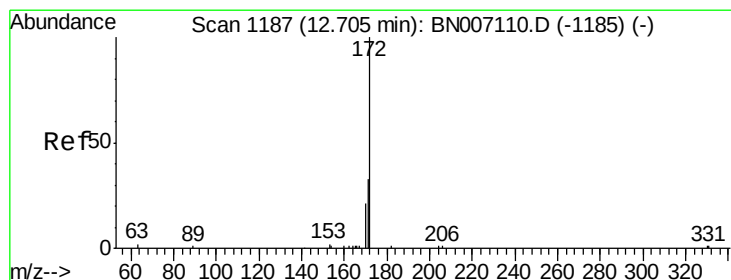
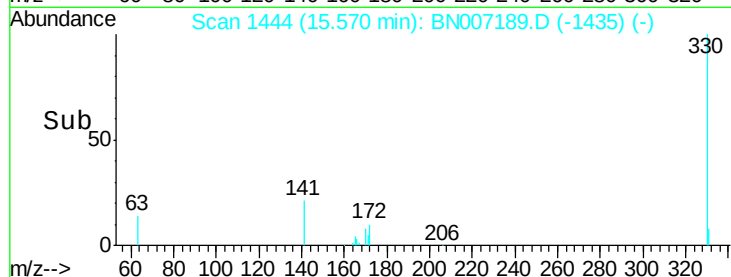
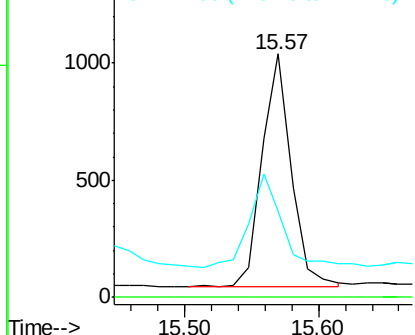
#13
 2,4,6-Tribromophenol
 Concen: 0.176 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007189.D
 Acq: 15 Aug 2019 10:45

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:330 Resp: 1513
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 43.4 33.6 50.4

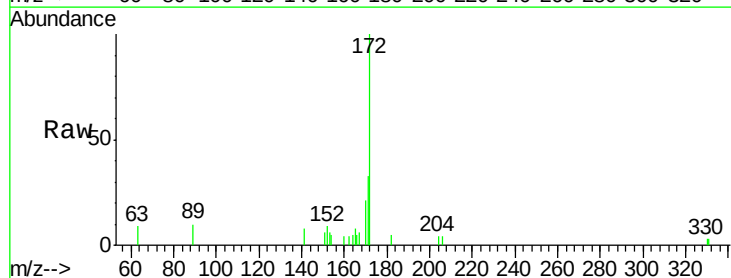


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

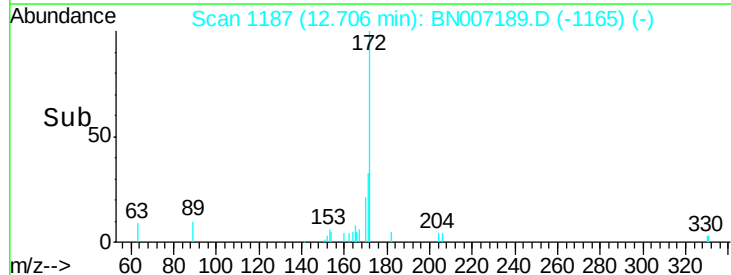
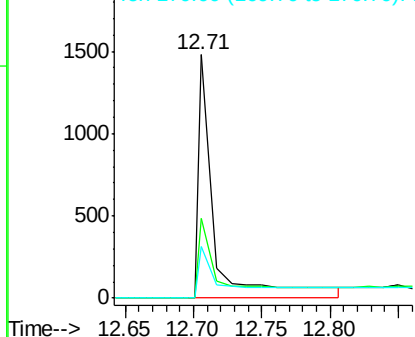


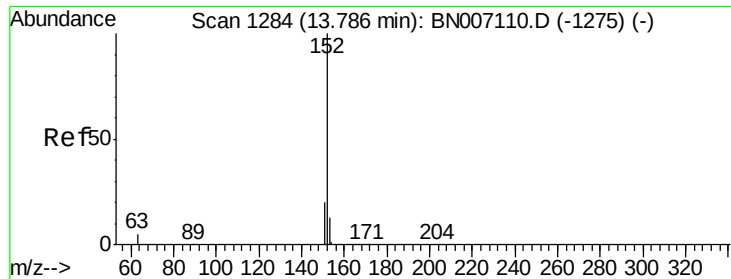
#14
 2-Fluorobiphenyl
 Concen: 0.058 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007189.D
 Acq: 15 Aug 2019 10:45

Tgt Ion:172 Resp: 1335
 Ion Ratio Lower Upper
 172 100
 171 32.9 26.3 39.5
 170 21.4 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: 0.220 ng

RT: 13.79 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BN007189.D

Acq: 15 Aug 2019 10:45

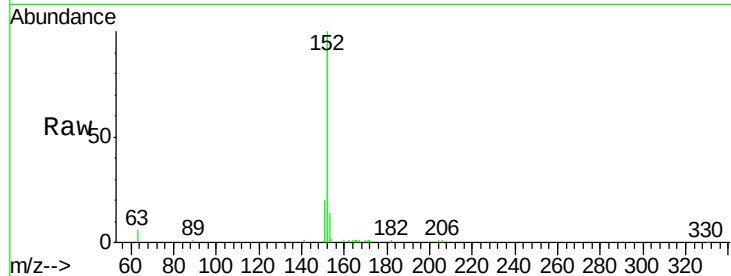
Instrument :

BNA_N

ClientSampled :

Tot Ion:152 Resp: 18354

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	13.2	10.4	15.6

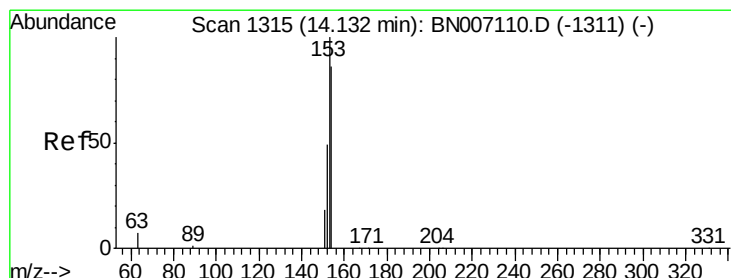
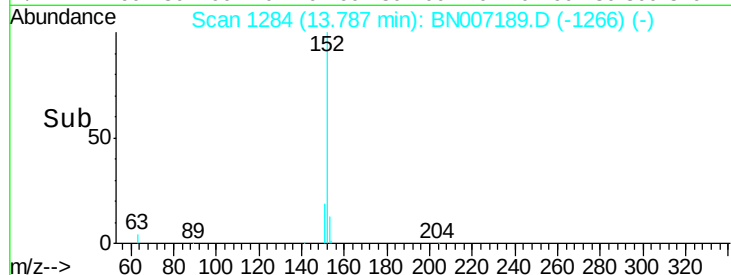
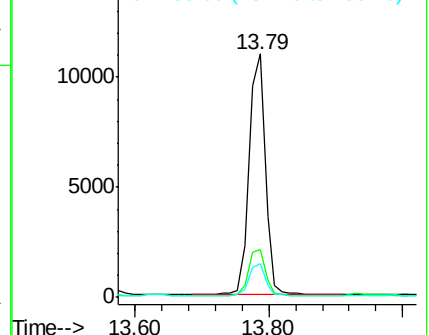


Abundance

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: 0.208 ng

RT: 14.13 min Scan# 1315

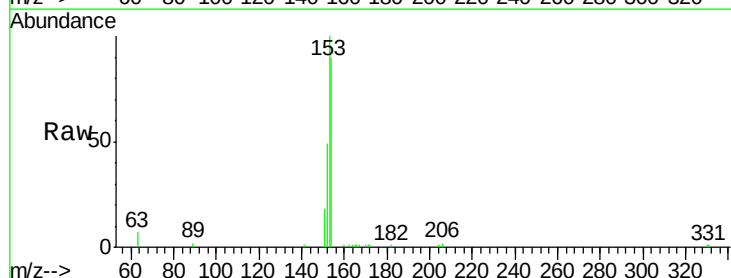
Delta R.T. -0.01 min

Lab File: BN007189.D

Acq: 15 Aug 2019 10:45

Tgt Ion:154 Resp: 11138

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.5	134.3
152	55.9	44.8	67.2

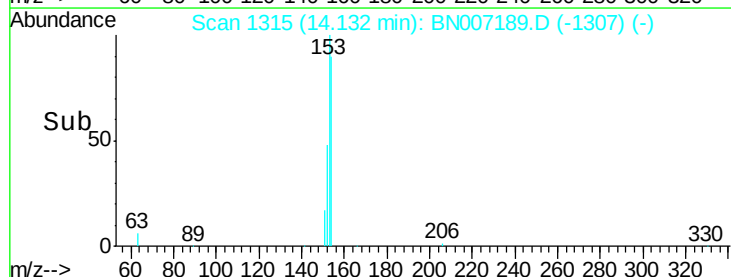
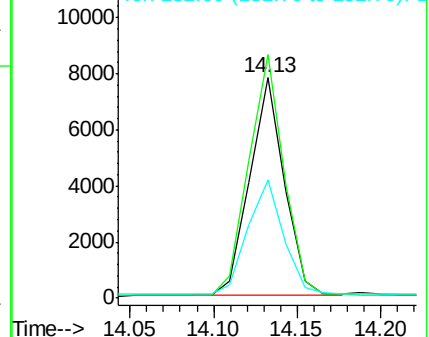


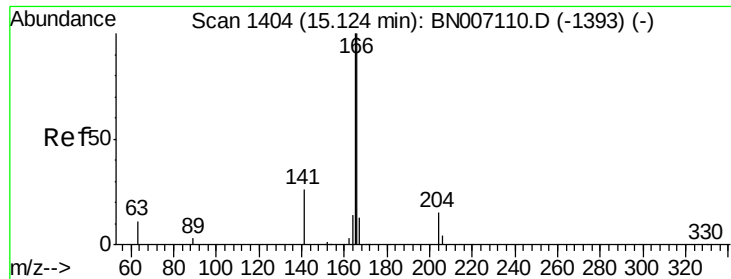
Abundance

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

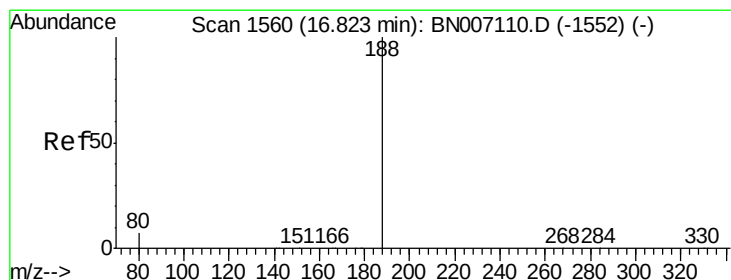
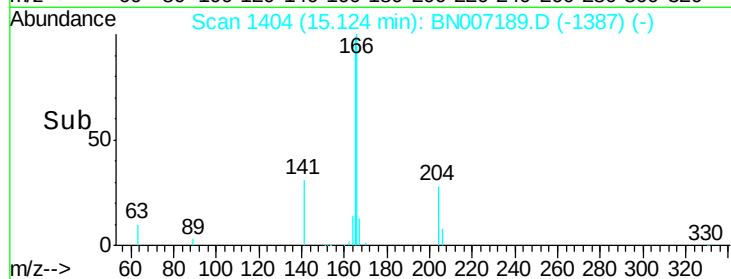
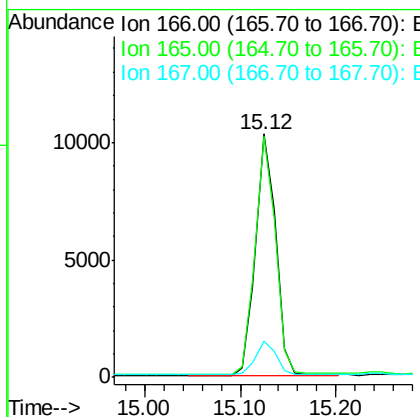
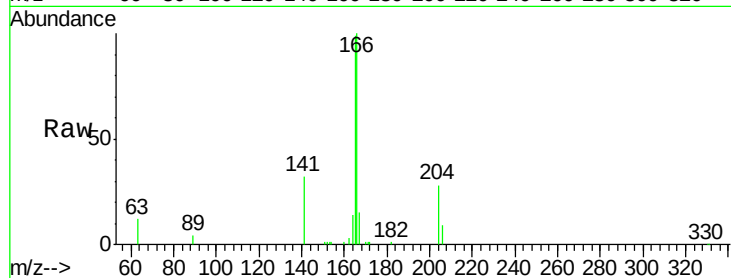




#17
Fluorene
Concen: 0.191 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007189.D
Acq: 15 Aug 2019 10:45

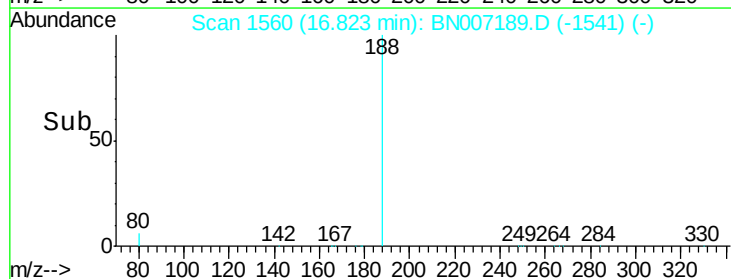
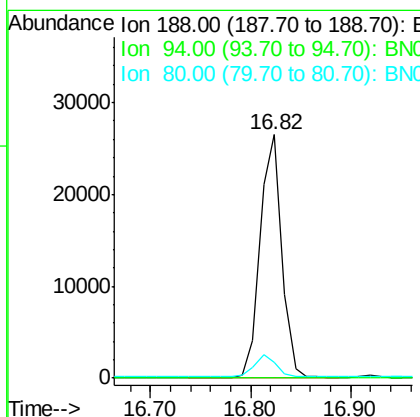
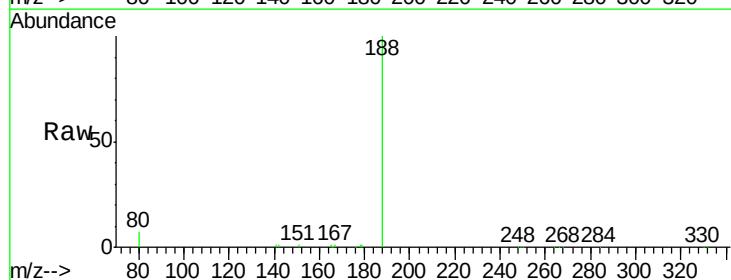
Instrument :
BNA_N
ClientSampled :

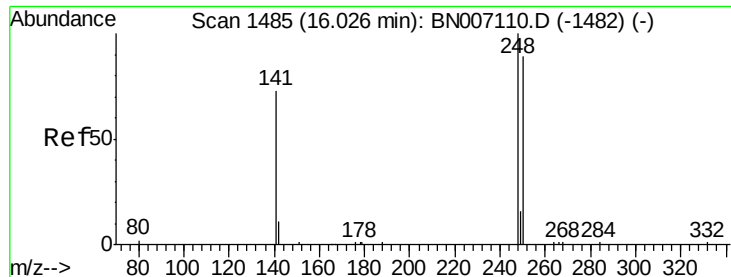
Tot Ion:166 Resp: 15263
Ion Ratio Lower Upper
166 100
165 98.0 77.9 116.9
167 13.9 10.9 16.3



#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007189.D
Acq: 15 Aug 2019 10:45

Tgt Ion:188 Resp: 39497
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.7 7.8 11.6#

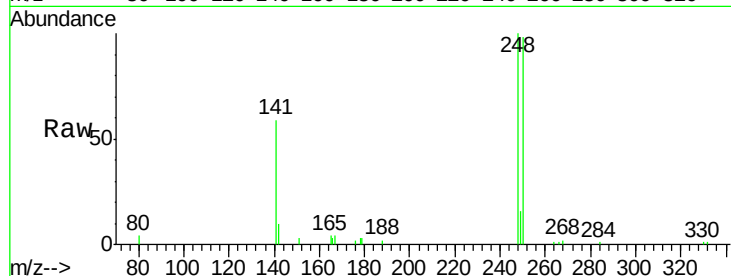




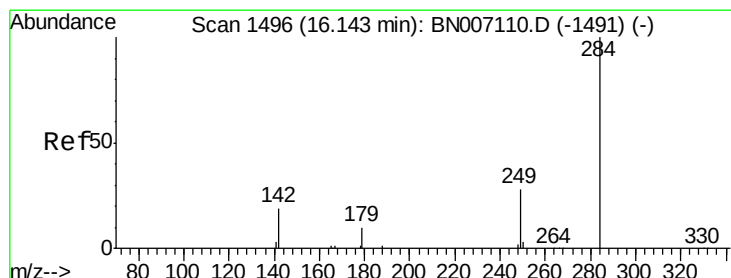
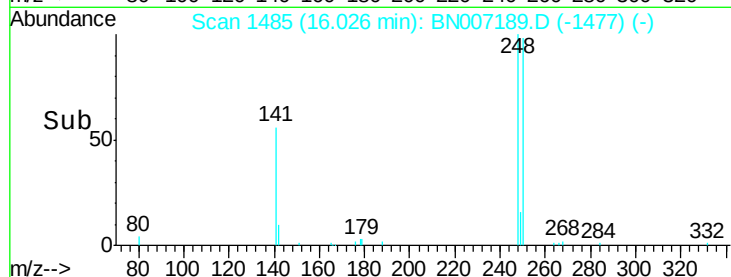
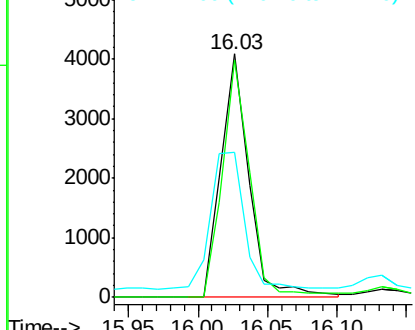
#19
4-Bromophenyl-phenylether
Concen: 0.232 ng
RT: 16.03 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BN007189.D
Acq: 15 Aug 2019 10:45

Instrument :
BNA_N
ClientSampled :

Tot Ion:248 Resp: 5663
Ion Ratio Lower Upper
248 100
250 97.6 78.9 118.3
141 59.5 43.3 64.9

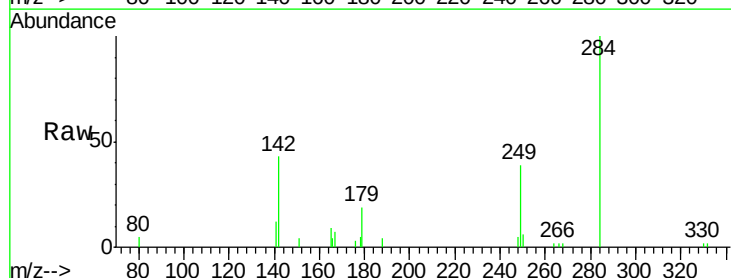


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

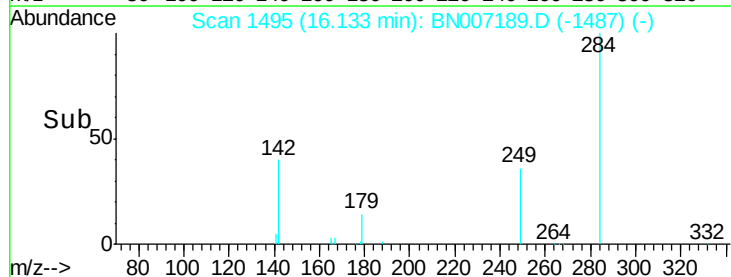
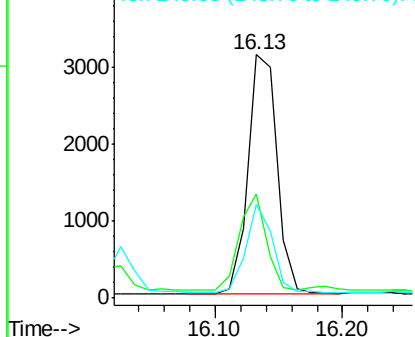


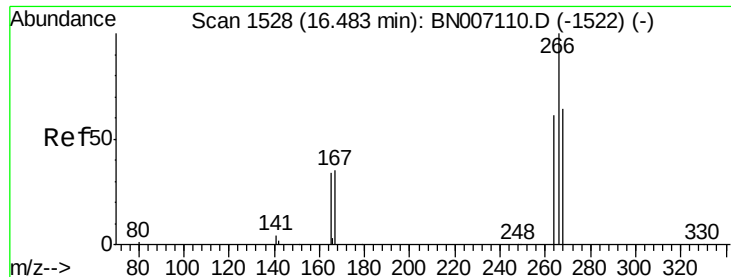
#20
Hexachlorobenzene
Concen: 0.210 ng
RT: 16.13 min Scan# 1495
Delta R.T. -0.01 min
Lab File: BN007189.D
Acq: 15 Aug 2019 10:45

Tgt Ion:284 Resp: 4923
Ion Ratio Lower Upper
284 100
142 37.5 30.5 45.7
249 34.1 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

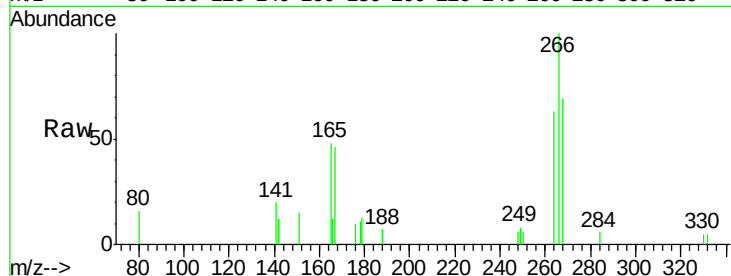




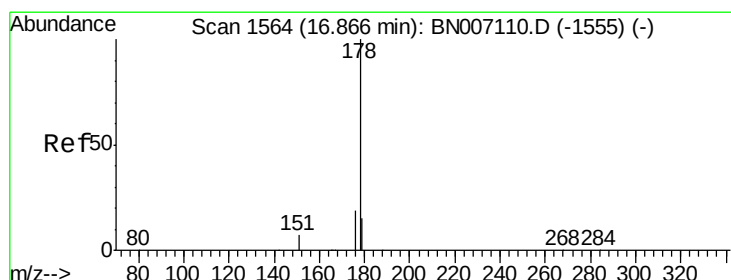
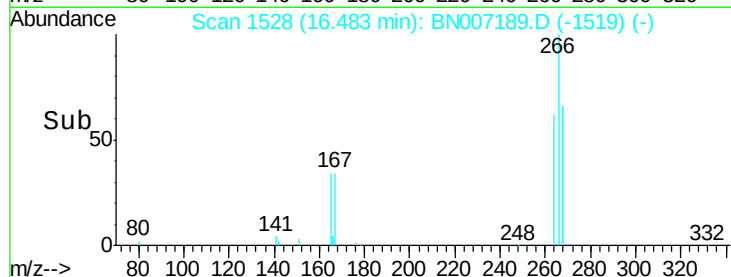
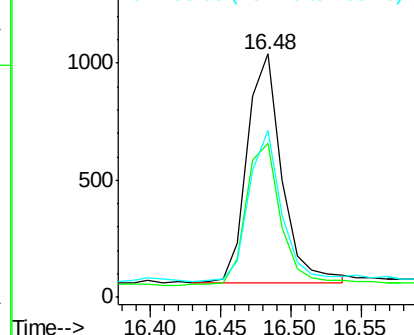
#21
 Pentachlorophenol
 Concen: 0.191 ng
 RT: 16.48 min Scan# 1528
 Delta R.T. -0.00 min
 Lab File: BN007189.D
 Acq: 15 Aug 2019 10:45

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:266 Resp: 1675
 Ion Ratio Lower Upper
 266 100
 264 63.3 52.3 78.5
 268 68.7 51.5 77.3

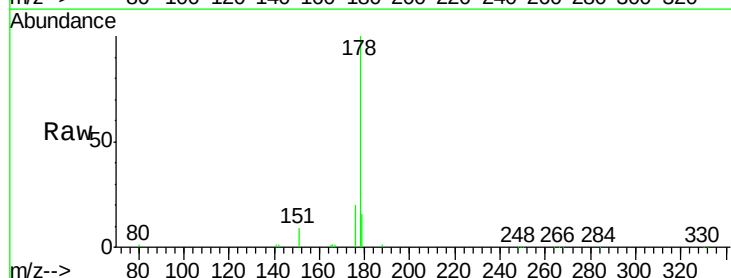


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

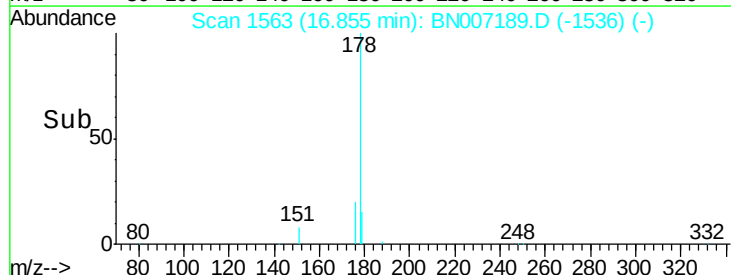
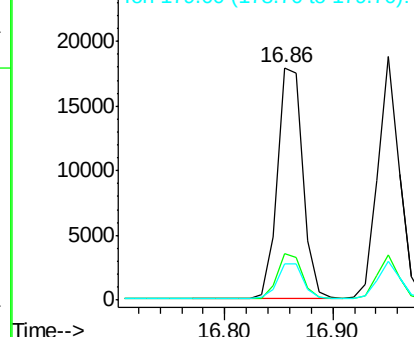


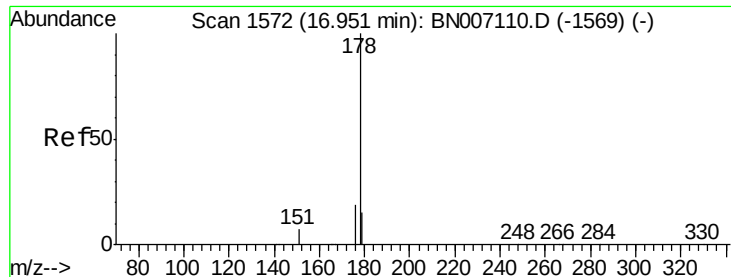
#22
 Phenanthrene
 Concen: 0.245 ng
 RT: 16.86 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BN007189.D
 Acq: 15 Aug 2019 10:45

Tgt Ion:178 Resp: 29058
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.2 22.8
 179 15.5 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: 0.241 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007189.D

Acq: 15 Aug 2019 10:45

Instrument :

BNA_N

ClientSampleId :

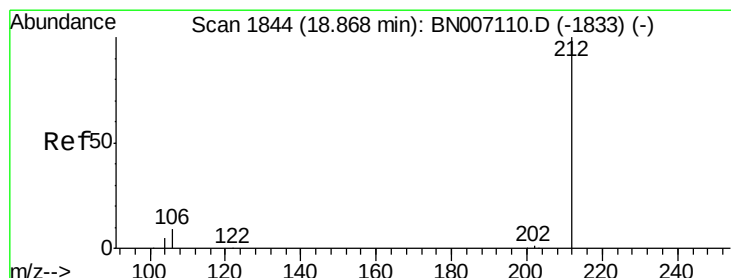
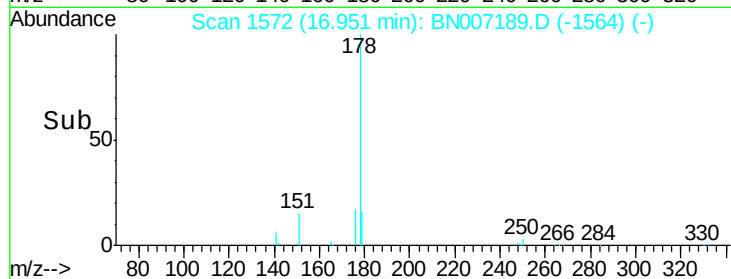
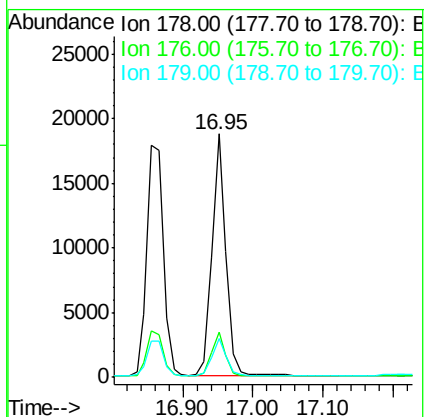
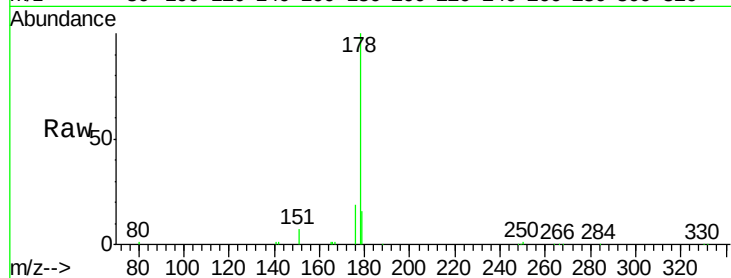
Tot Ion:178 Resp: 26064

Ion Ratio Lower Upper

178 100

176 18.4 14.6 21.8

179 15.4 12.5 18.7



#24

Fluoranthene-d10

Concen: 0.188 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BN007189.D

Acq: 15 Aug 2019 10:45

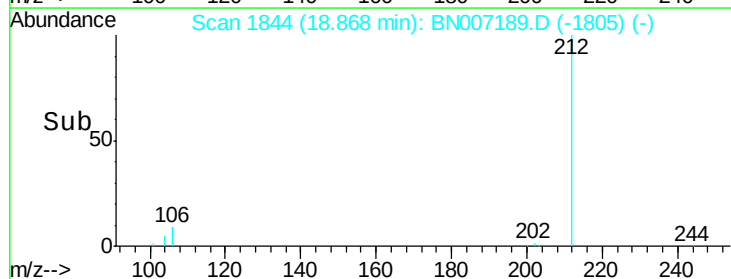
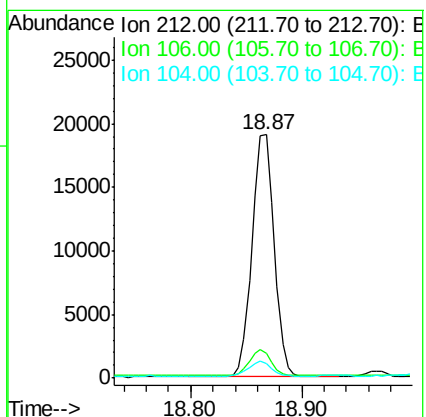
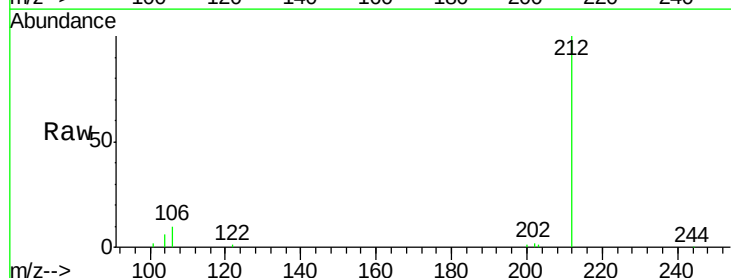
Tgt Ion:212 Resp: 26359

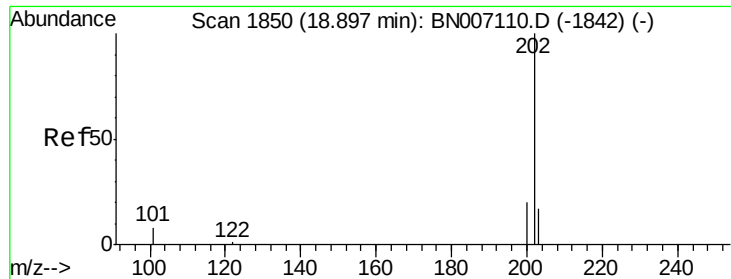
Ion Ratio Lower Upper

212 100

106 10.9 8.2 12.2

104 5.8 4.5 6.7





#25

Fluoranthene

Concen: 0.248 ng

RT: 18.89 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BN007189.D

Acq: 15 Aug 2019 10:45

Instrument :

BNA_N

ClientSampleId :

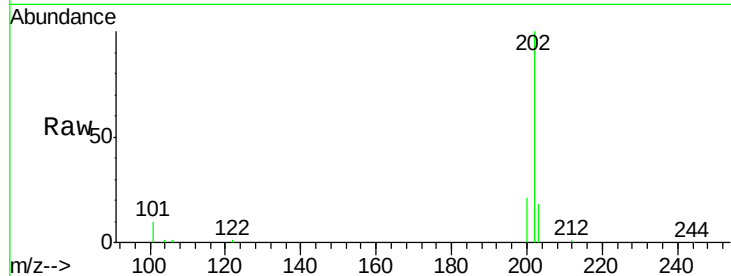
Tot Ion:202 Resp: 37509

Ion Ratio Lower Upper

202 100

101 9.1 7.0 10.4

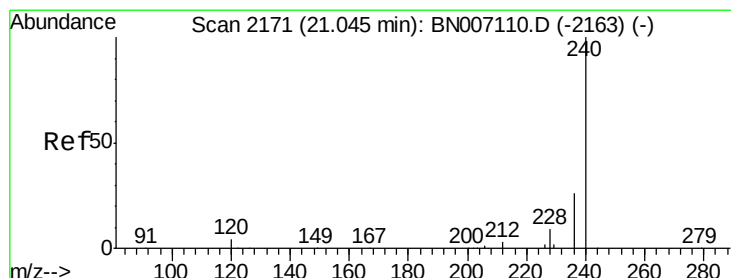
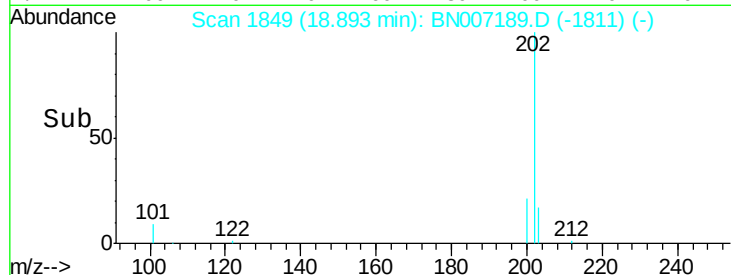
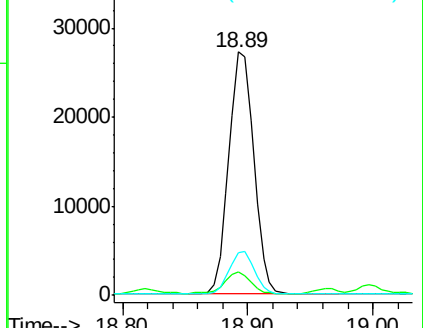
203 17.2 13.8 20.8



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: BN007189.D

Acq: 15 Aug 2019 10:45

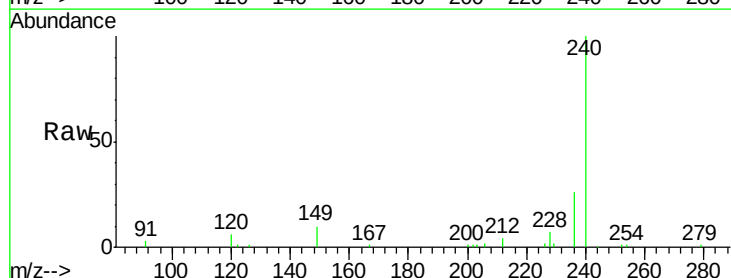
Tgt Ion:240 Resp: 40082

Ion Ratio Lower Upper

240 100

120 5.7 4.0 6.0

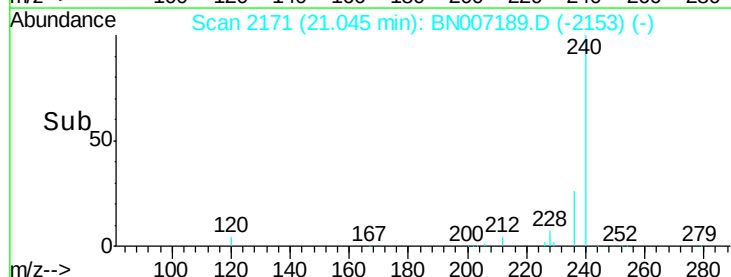
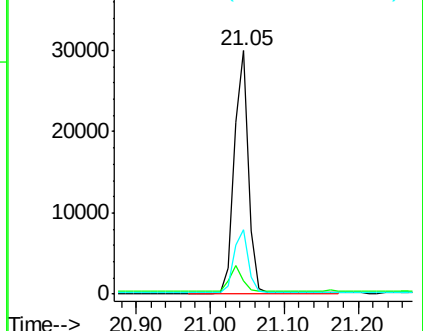
236 26.4 21.3 31.9

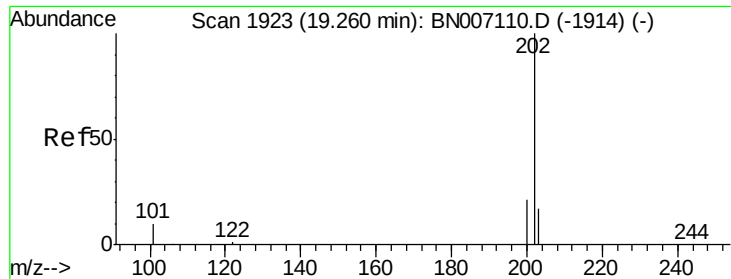


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

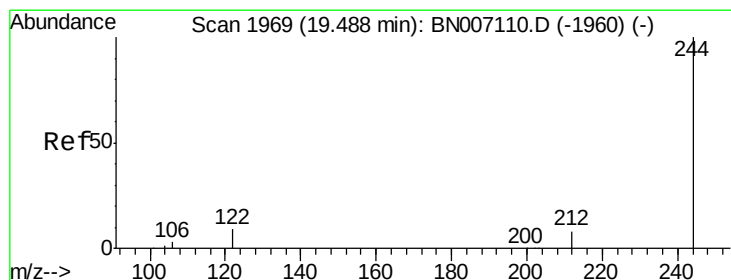
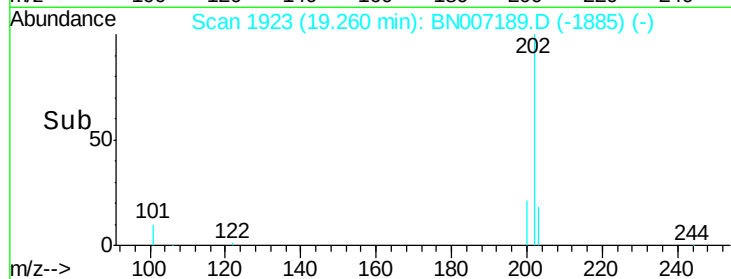
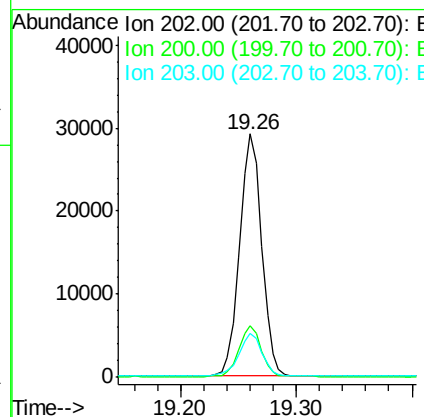
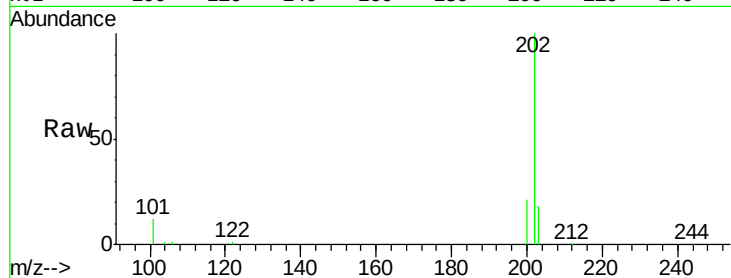




#27
Pvrene
Concen: 0.276 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007189.D
Acq: 15 Aug 2019 10:45

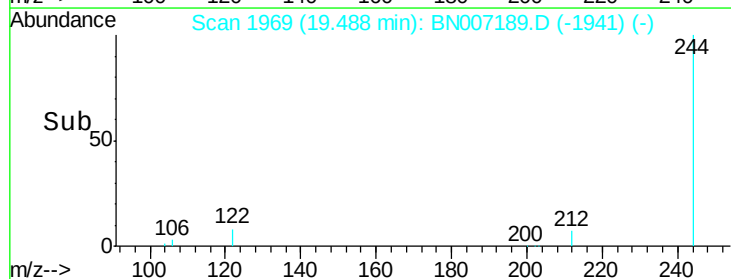
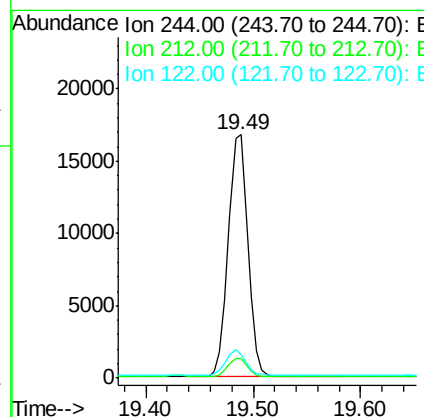
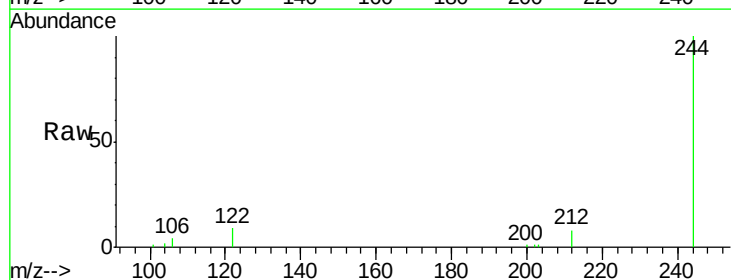
Instrument :
BNA_N
ClientSampleId :

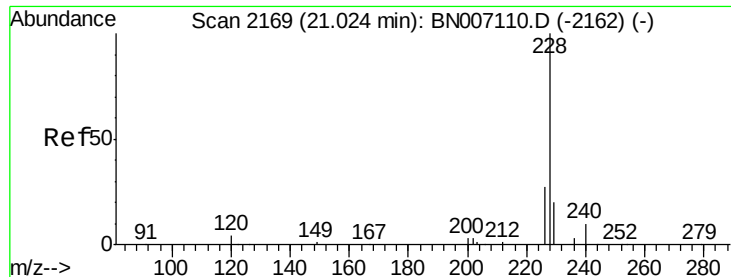
Tot Ion:202 Resp: 38814
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 18.2 14.0 21.0



#28
Terphenyl-d14
Concen: 0.195 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007189.D
Acq: 15 Aug 2019 10:45

Tgt Ion:244 Resp: 21250
Ion Ratio Lower Upper
244 100
212 8.1 6.2 9.2
122 9.5 7.4 11.2





#29

Benzo(a)anthracene

Concen: 0.249 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007189.D

Acq: 15 Aug 2019 10:45

Instrument :

BNA_N

ClientSampleId :

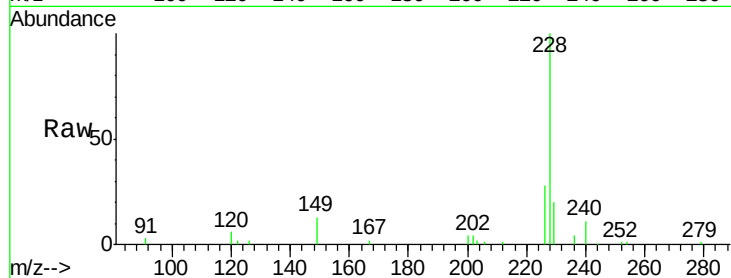
Tot Ion:228 Resp: 36483

Ion Ratio Lower Upper

228 100

226 27.6 21.8 32.6

229 19.9 15.6 23.4

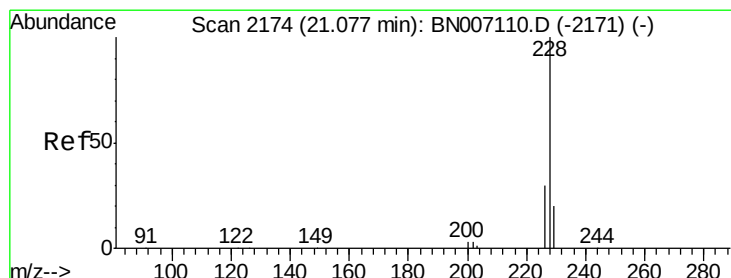
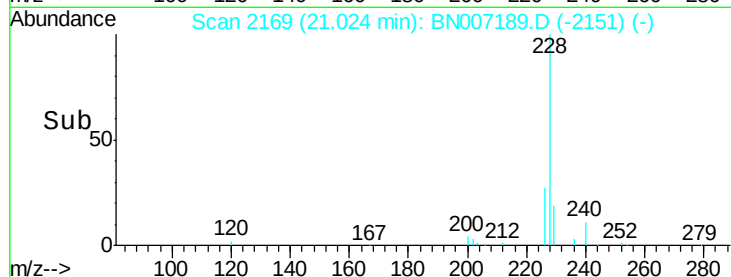
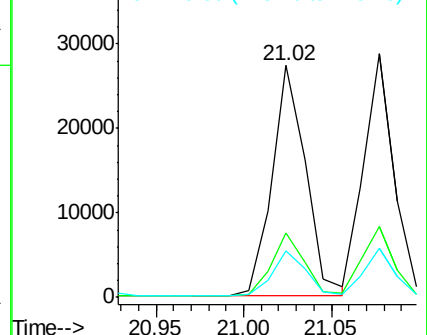


Abundance

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: 0.240 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007189.D

Acq: 15 Aug 2019 10:45

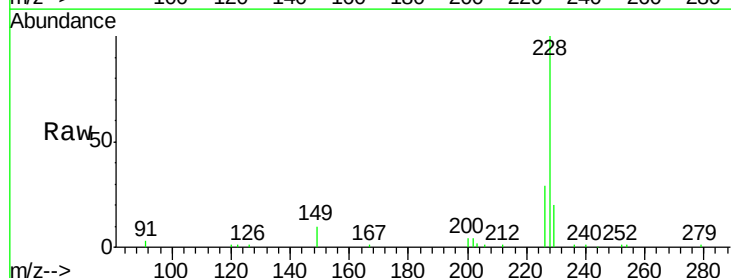
Tgt Ion:228 Resp: 34241

Ion Ratio Lower Upper

228 100

226 29.3 23.8 35.6

229 19.9 15.7 23.5

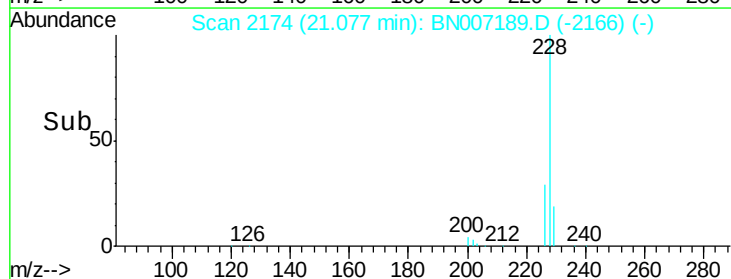
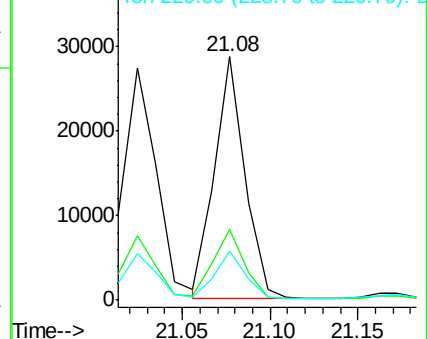


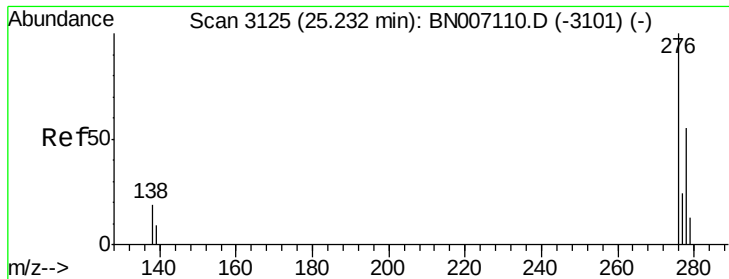
Abundance

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

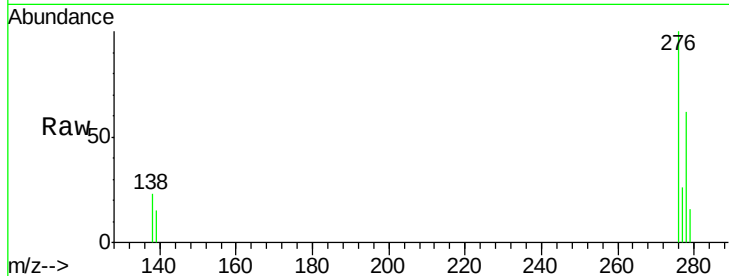




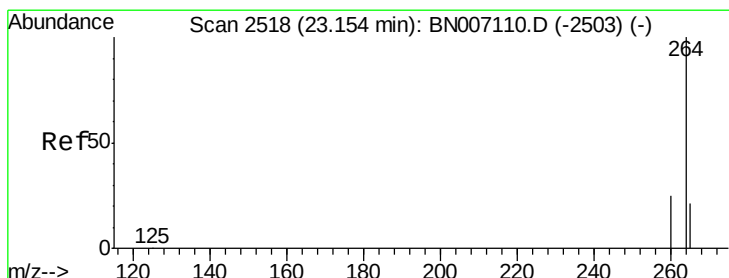
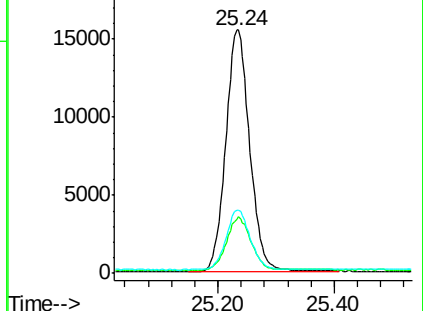
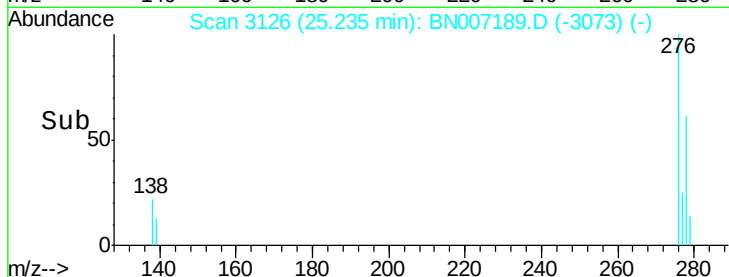
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.282 ng
 RT: 25.24 min Scan# 3126
 Delta R.T. -0.02 min
 Lab File: BN007189.D
 Acq: 15 Aug 2019 10:45

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 44233
 Ion Ratio Lower Upper
 276 100
 138 22.2 16.0 24.0
 277 25.1 19.9 29.9

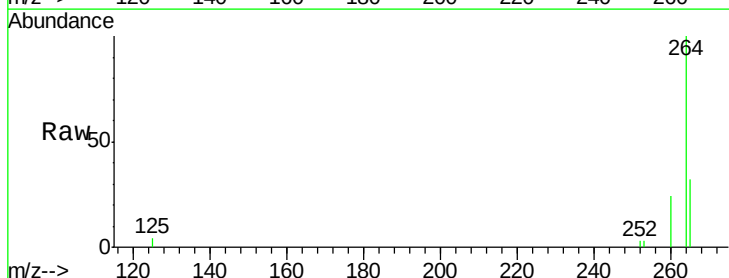


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

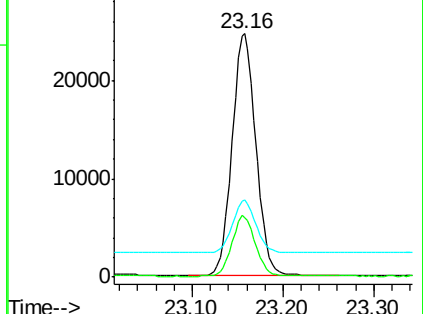
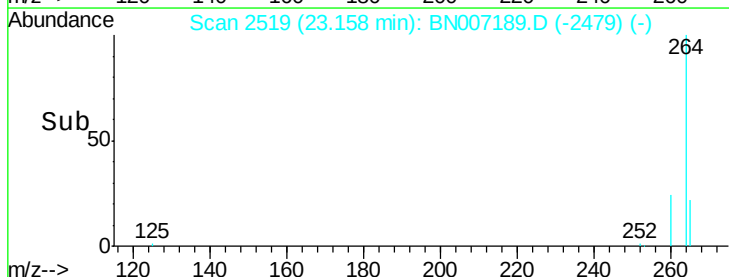


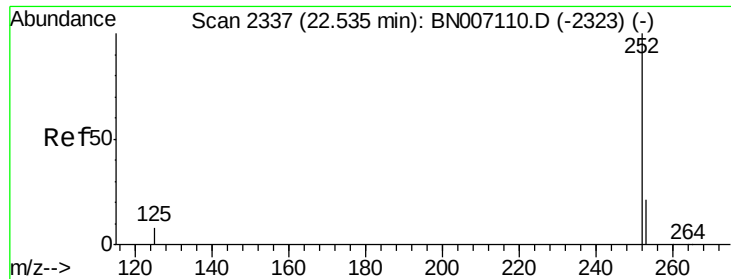
#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BN007189.D
 Acq: 15 Aug 2019 10:45

Tgt Ion:264 Resp: 44670
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.8 29.8
 265 31.6 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

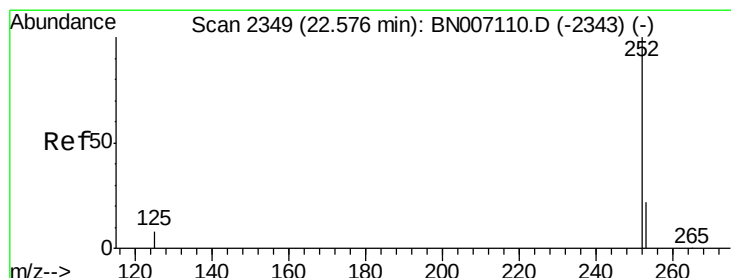
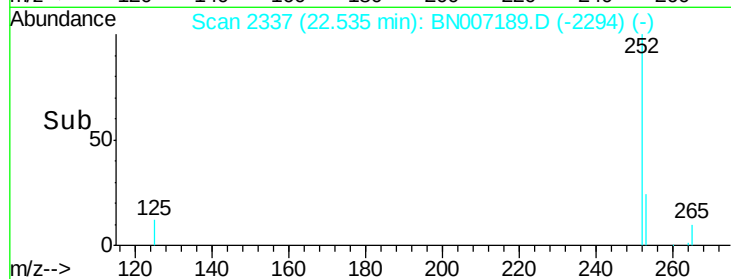
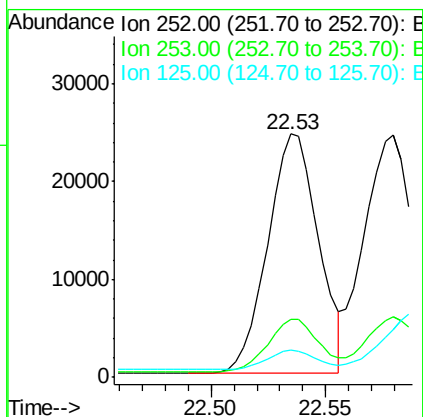
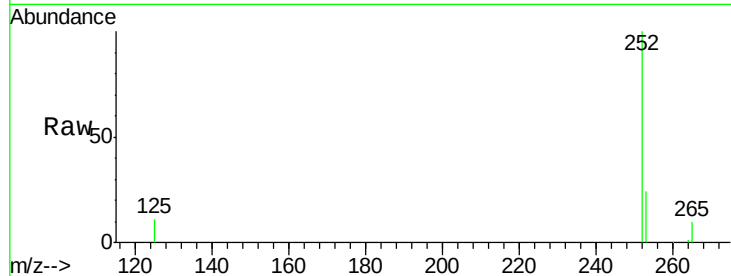




#33
Benzo(b)fluoranthene
Concen: 0.245 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BN007189.D
Acq: 15 Aug 2019 10:45

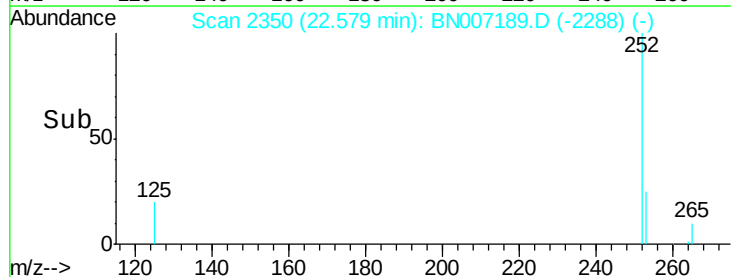
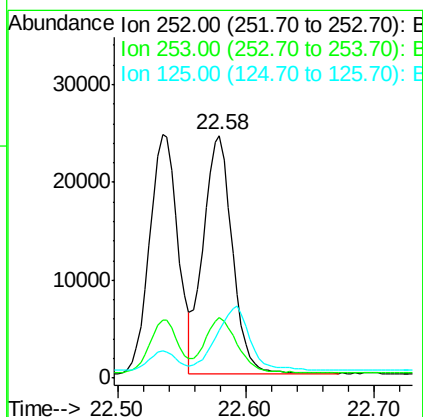
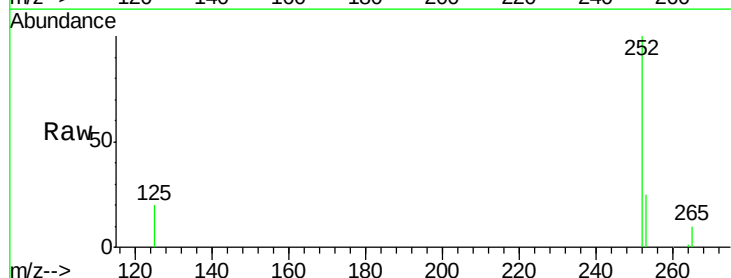
Instrument :
BNA_N
ClientSampleId :

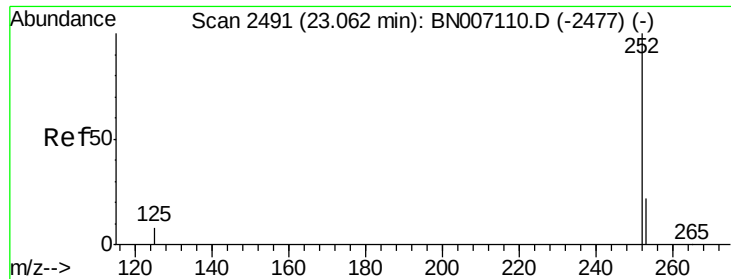
Tot Ion:252 Resp: 37580
Ion Ratio Lower Upper
252 100
253 23.7 18.2 27.2
125 11.4 7.4 11.0#



#34
Benzo(k)fluoranthene
Concen: 0.253 ng
RT: 22.58 min Scan# 2350
Delta R.T. -0.01 min
Lab File: BN007189.D
Acq: 15 Aug 2019 10:45

Tgt Ion:252 Resp: 38228
Ion Ratio Lower Upper
252 100
253 25.0 18.1 27.1
125 19.9 7.4 11.0#





#35

Benzo(a)pyrene

Concen: 0.250 ng

RT: 23.07 min Scan# 2492

Delta R.T. -0.02 min

Lab File: BN007189.D

Acq: 15 Aug 2019 10:45

Instrument :

BNA_N

ClientSampled :

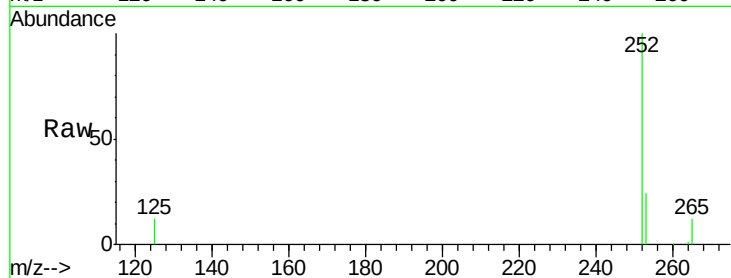
Tot Ion:252 Resp: 34782

Ion Ratio Lower Upper

252 100

253 24.1 18.5 27.7

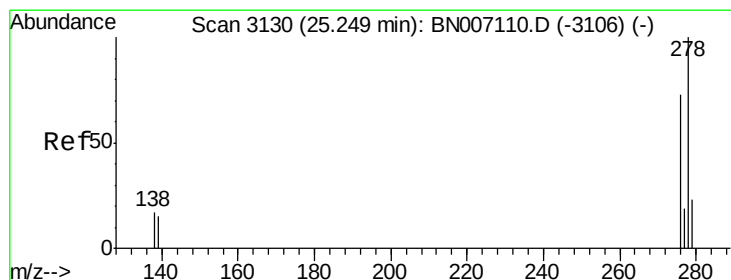
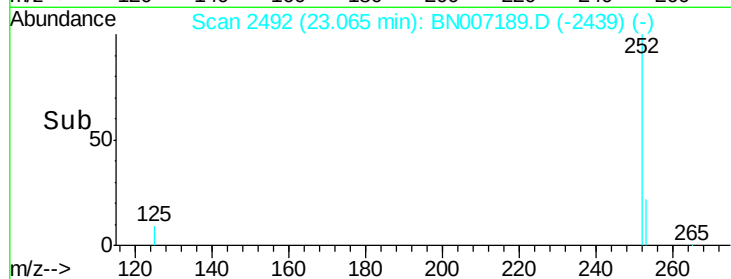
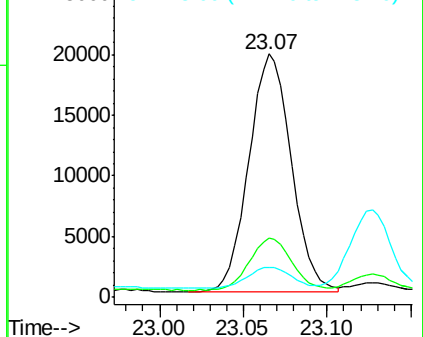
125 12.5 8.2 12.4#



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: 0.255 ng

RT: 25.25 min Scan# 3130

Delta R.T. -0.02 min

Lab File: BN007189.D

Acq: 15 Aug 2019 10:45

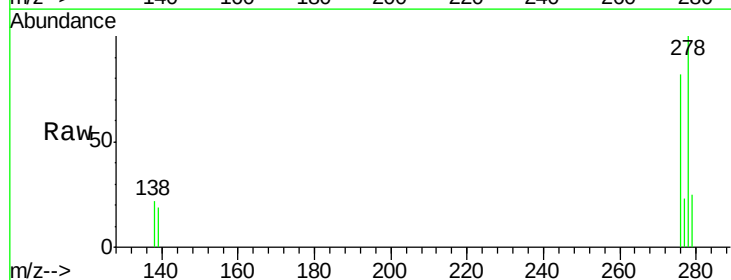
Tgt Ion:278 Resp: 35296

Ion Ratio Lower Upper

278 100

139 18.6 11.3 16.9#

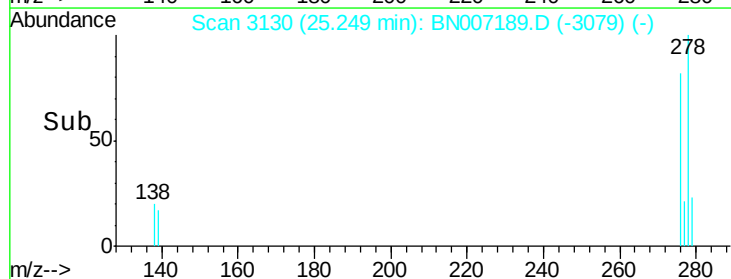
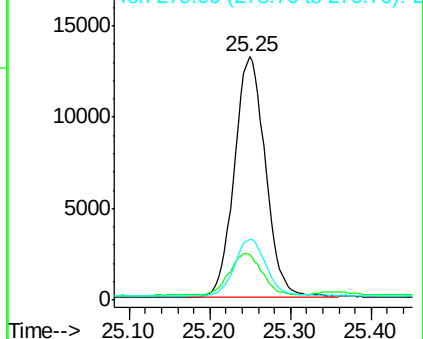
279 25.0 19.3 28.9

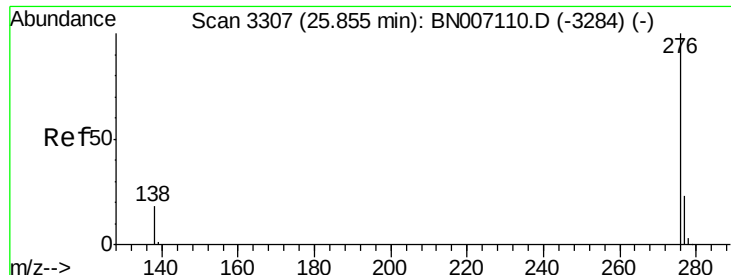


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.261 ng

RT: 25.86 min Scan# 3308

Delta R.T. -0.02 min

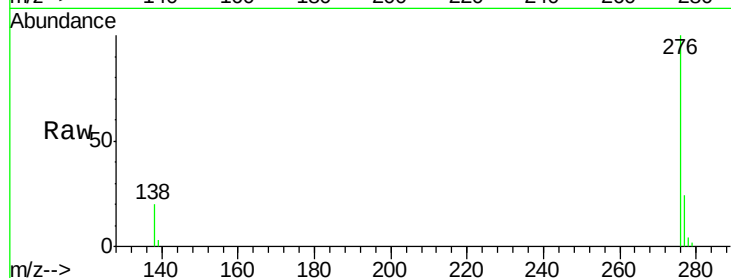
Lab File: BN007189.D

Acq: 15 Aug 2019 10:45

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 37227

Ion Ratio Lower Upper

276 100

277 24.5 19.8 29.8

138 20.3 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

