

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
 Data File : BN007091.D
 Acq On : 12 Aug 2019 11:06
 Operator : HP/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 12 12:13:05 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	7323	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	26375	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	14615	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	35522	0.40	ng	0.00
26) Chrysene-d12	21.05	240	34880	0.40	ng	-0.01
32) Perylene-d12	23.16	264	33475	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	6129	0.35	ng	0.00
4) Phenol-d6	6.61	99	7506	0.34	ng	0.00
7) Nitrobenzene-d5	8.56	82	7279	0.34	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	18027	0.37	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1951	0.25	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	5348	0.25	ng	0.00
24) Fluoranthene-d10	18.87	212	42862	0.34	ng	0.00
28) Terphenyl-d14	19.49	244	38016	0.40	ng	0.00

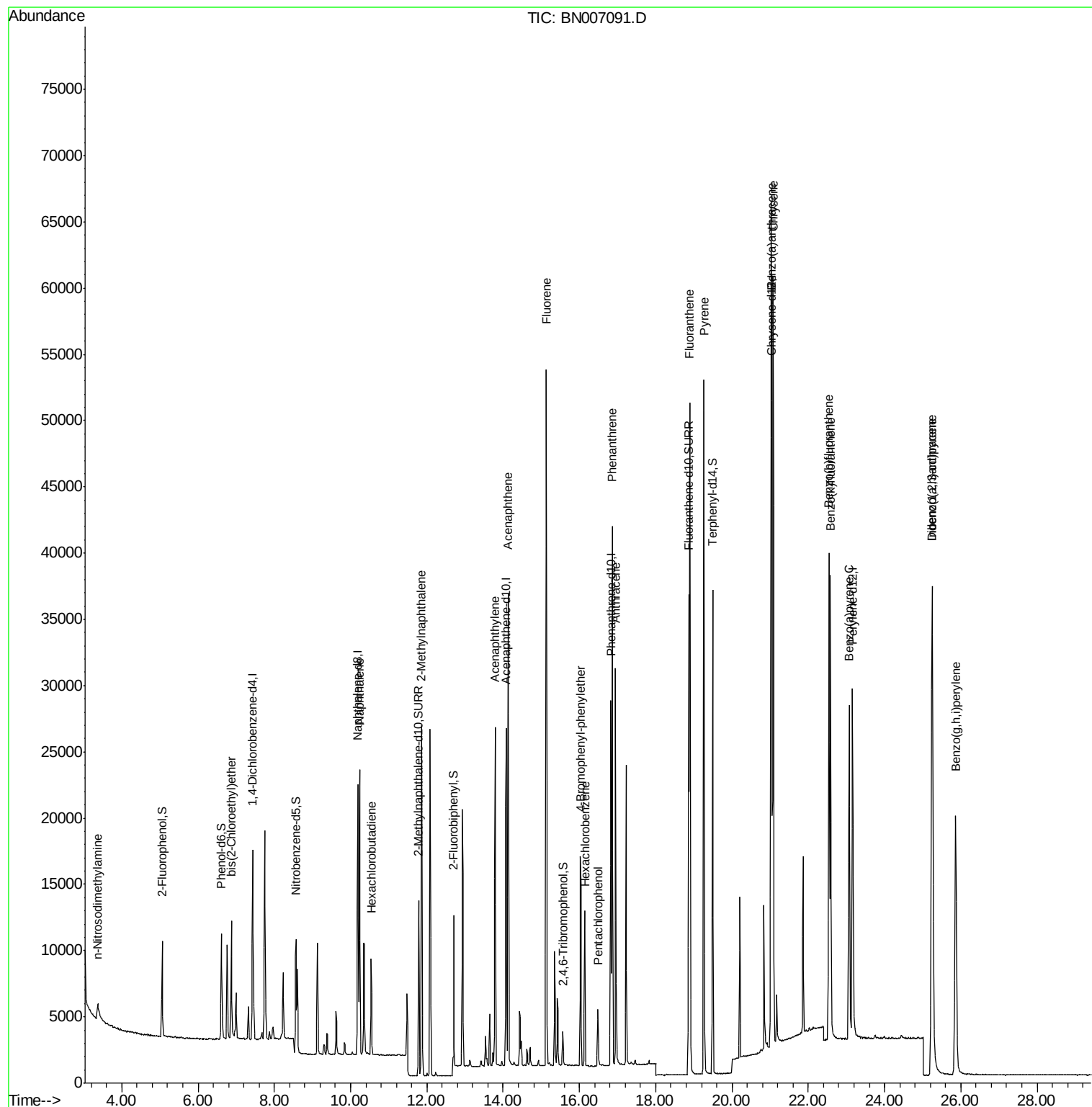
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.37	42	1438	0.298	ng	# 99
5) bis(2-Chloroethyl)ether	6.87	93	7379	0.383	ng	98
8) Naphthalene	10.24	128	27905	0.377	ng	99
9) Hexachlorobutadiene	10.54	225	6035	0.383	ng	# 100
11) 2-Methylnaphthalene	11.86	142	19272	0.368	ng	98
15) Acenaphthylene	13.79	152	27683	0.362	ng	100
16) Acenaphthene	14.13	154	18467	0.377	ng	99
17) Fluorene	15.14	166	23876	0.326	ng	100
19) 4-Bromophenyl-phenylether	16.03	248	8655	0.394	ng	# 82
20) Hexachlorobenzene	16.14	284	9183	0.435	ng	99
21) Pentachlorophenol	16.48	266	2219	0.282	ng	95
22) Phenanthrene	16.87	178	41592	0.391	ng	100
23) Anthracene	16.95	178	34228	0.352	ng	99
25) Fluoranthene	18.90	202	48228	0.354	ng	100
27) Pyrene	19.26	202	47954	0.392	ng	100
29) Benzo(a)anthracene	21.03	228	44506	0.349	ng	98
30) Chrysene	21.08	228	48998	0.395	ng	99
31) Indeno(1,2,3-cd)pyrene	25.24	276	49056	0.359	ng	100
33) Benzo(b)fluoranthene	22.54	252	45096	0.393	ng	99
34) Benzo(k)fluoranthene	22.58	252	45590	0.402	ng	99
35) Benzo(a)pyrene	23.07	252	37576	0.361	ng	99
36) Dibenzo(a,h)anthracene	25.26	278	40313	0.388	ng	100
37) Benzo(g,h,i)perylene	25.86	276	41589	0.389	ng	99

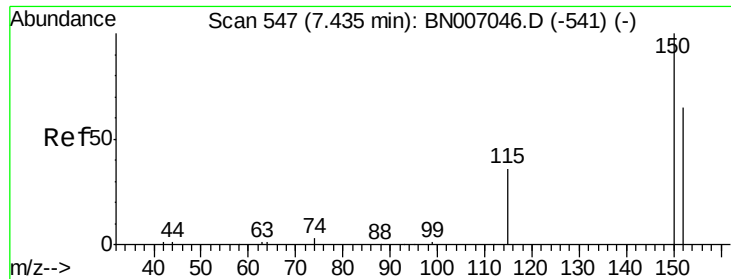
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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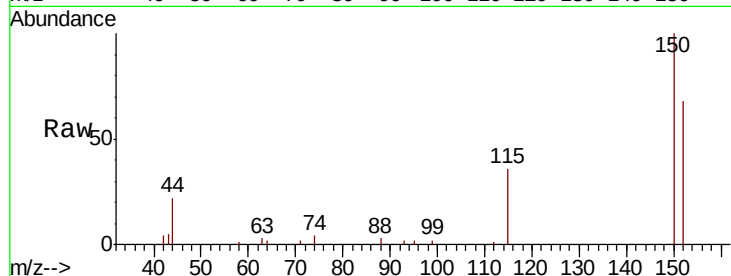


#1

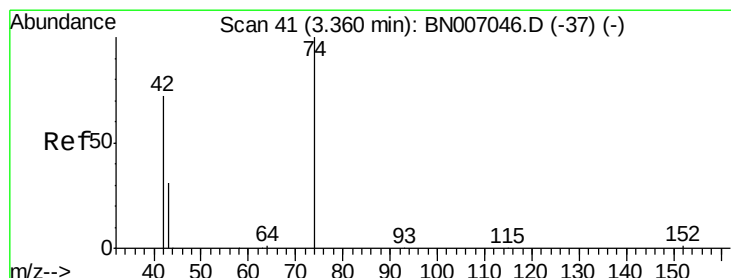
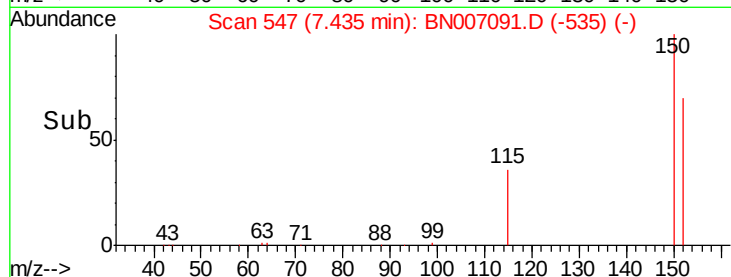
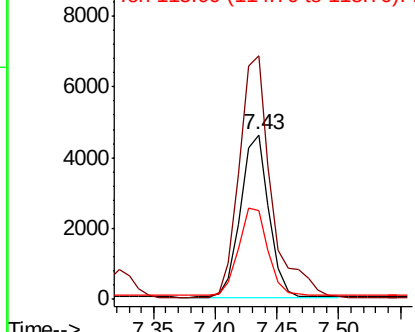
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007091.D
Acq: 12 Aug 2019 11:06

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 7323
Ion Ratio Lower Upper
152 100
150 147.9 121.7 182.5
115 53.9 46.2 69.4



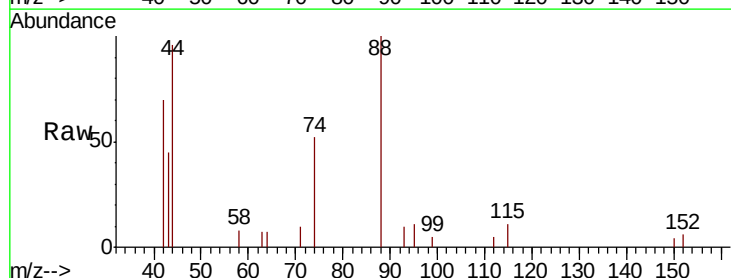
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



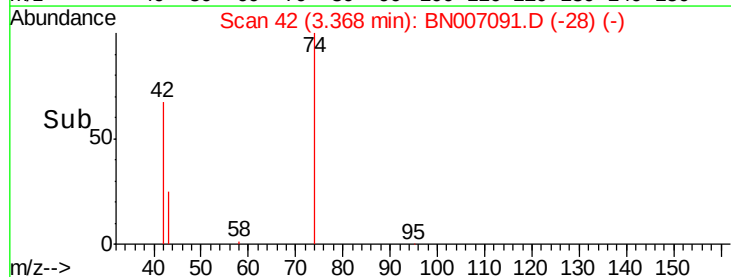
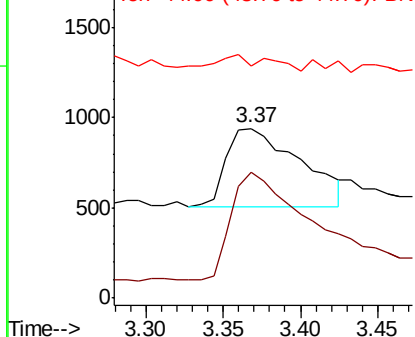
#2

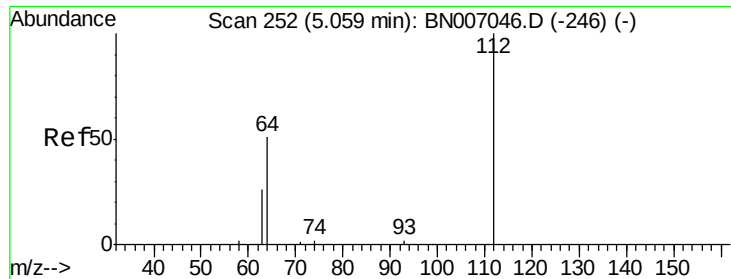
n-Nitrosodimethylamine
Concen: 0.298 ng
RT: 3.37 min Scan# 42
Delta R.T. 0.01 min
Lab File: BN007091.D
Acq: 12 Aug 2019 11:06

Tgt Ion: 42 Resp: 1438
Ion Ratio Lower Upper
42 100
74 136.6 110.6 166.0
44 6.1 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: 0.348 ng

RT: 5.06 min Scan# 252

Delta R.T. -0.00 min

Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

Instrument :

BNA_N

ClientSampled :

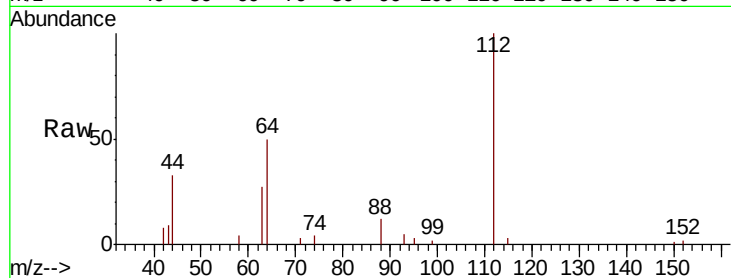
Tot Ion:112 Resp: 6129

Ion Ratio Lower Upper

112 100

64 52.7 42.6 63.8

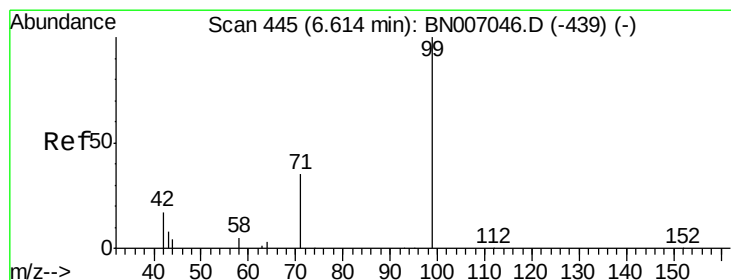
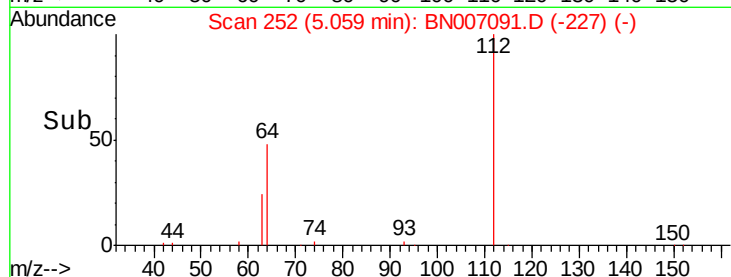
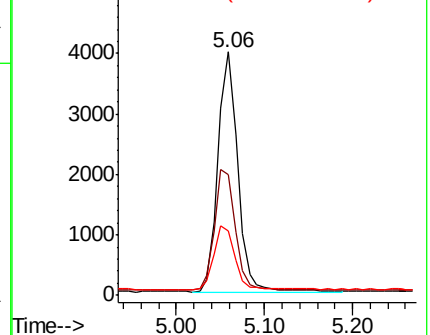
63 27.4 22.2 33.2



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#4

Phenol-d6

Concen: 0.344 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

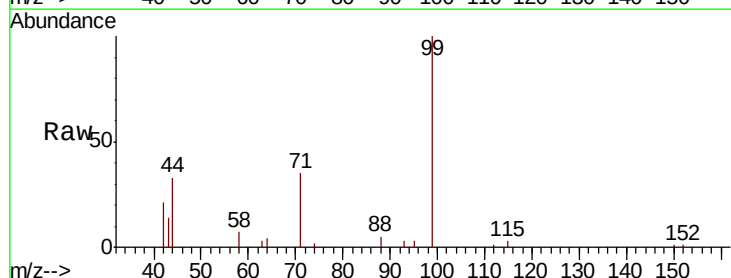
Tgt Ion: 99 Resp: 7506

Ion Ratio Lower Upper

99 100

42 20.7 15.8 23.6

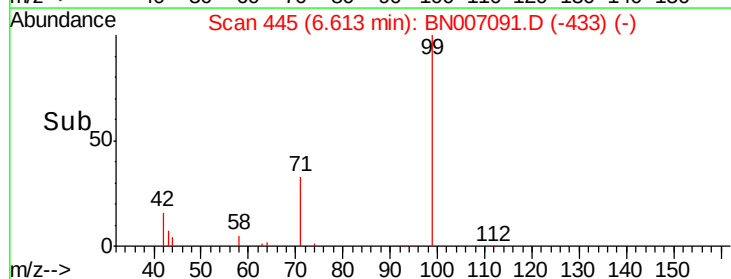
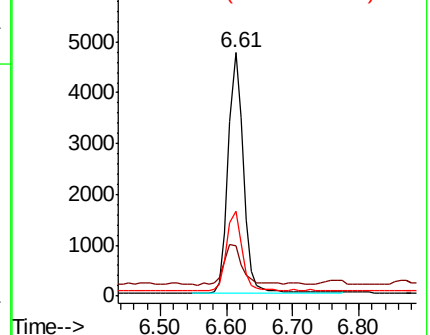
71 33.5 27.0 40.4

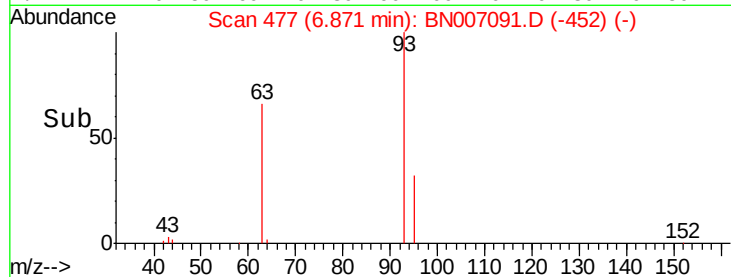
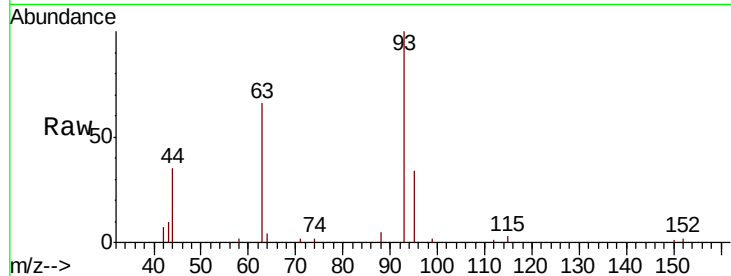
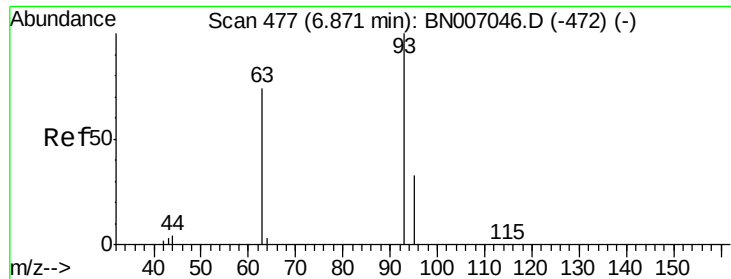


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#5

bis(2-Chloroethyl)ether

Concen: 0.383 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.00 min

Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

Instrument :

BNA_N

ClientSampleId :

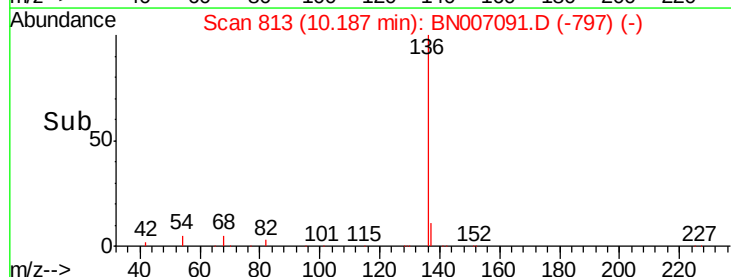
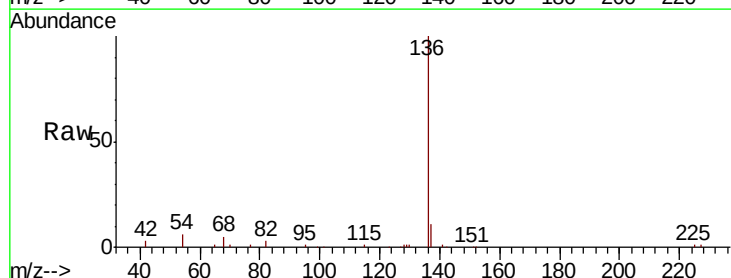
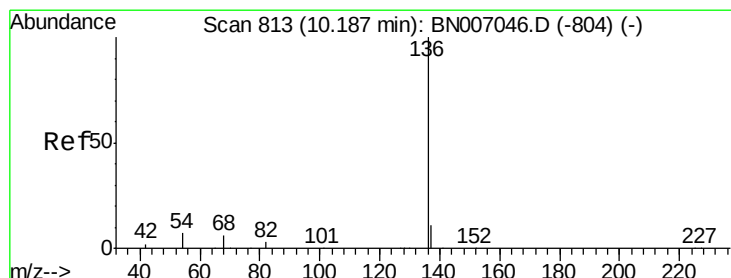
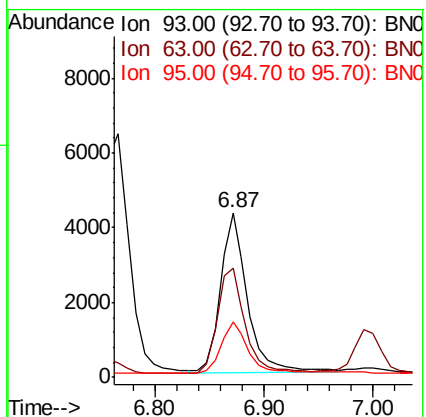
Tot Ion: 93 Resp: 7379

Ion Ratio Lower Upper

93 100

63 68.6 55.6 83.4

95 32.0 26.7 40.1



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

Tgt Ion: 136 Resp: 26375

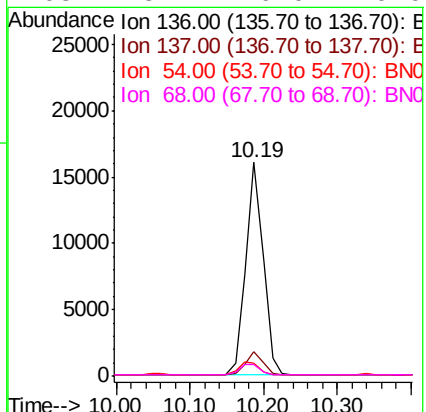
Ion Ratio Lower Upper

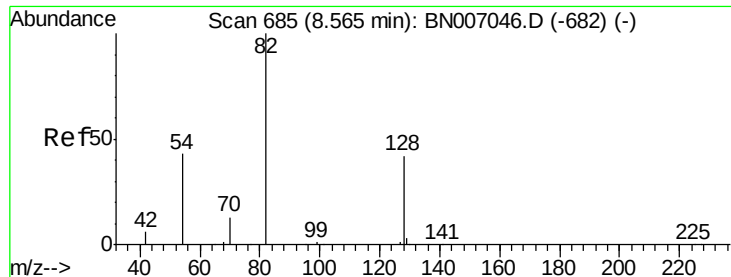
136 100

137 11.2 9.4 14.0

54 6.1 6.6 9.8#

68 5.4 6.0 9.0#





#7

Nitrobenzene-d5

Concen: 0.342 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

Instrument :

BNA_N

ClientSampled :

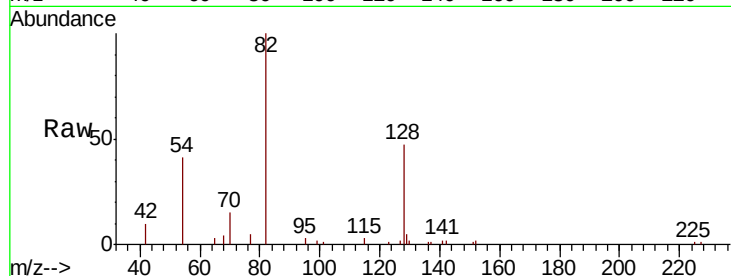
Tot Ion: 82 Resp: 7279

Ion Ratio Lower Upper

82 100

128 47.5 34.6 51.8

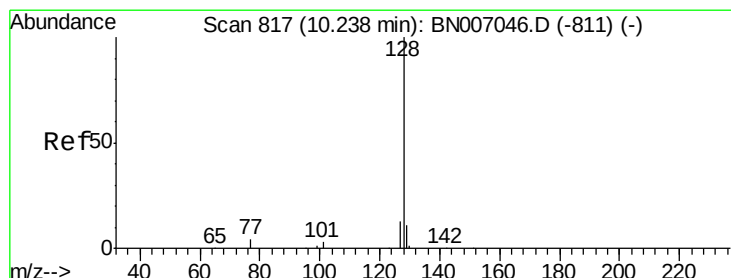
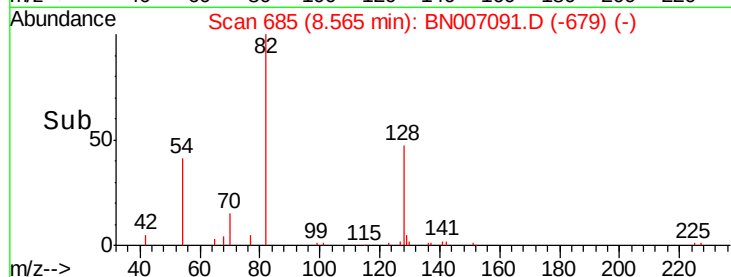
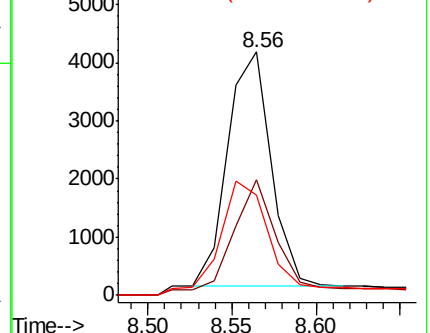
54 41.4 36.2 54.4



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: 0.377 ng

RT: 10.24 min Scan# 817

Delta R.T. -0.00 min

Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

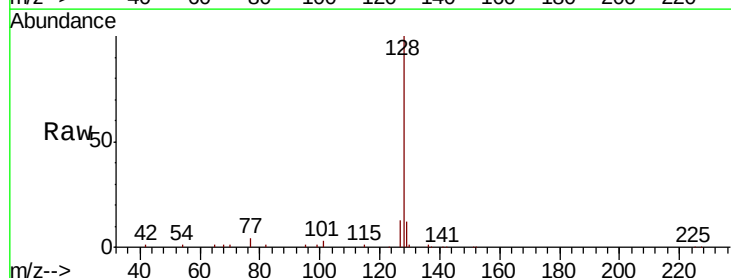
Tgt Ion: 128 Resp: 27905

Ion Ratio Lower Upper

128 100

129 11.7 9.4 14.2

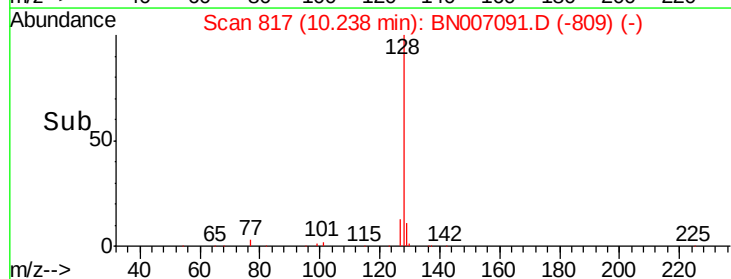
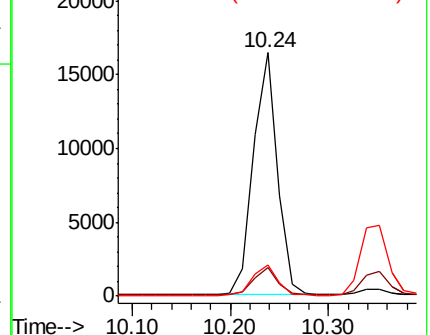
127 13.0 11.0 16.6

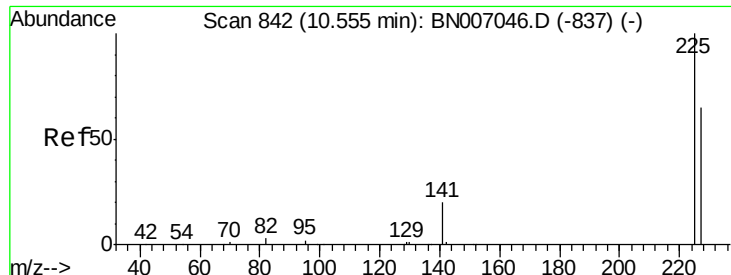


Abundance Ion 128.00 (127.70 to 128.70): BN007046.D (-811) (-)

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: 0.383 ng

RT: 10.54 min Scan# 841

Delta R.T. -0.01 min

Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

Instrument :

BNA_N

ClientSampleId :

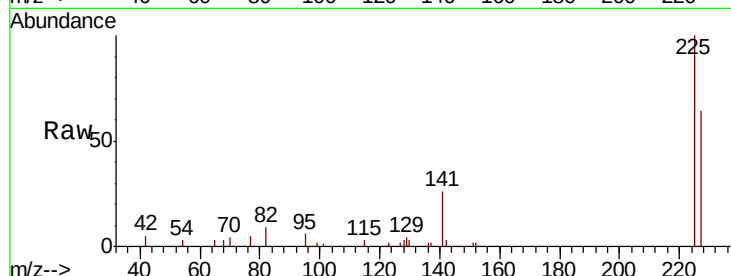
Tot Ion:225 Resp: 6035

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

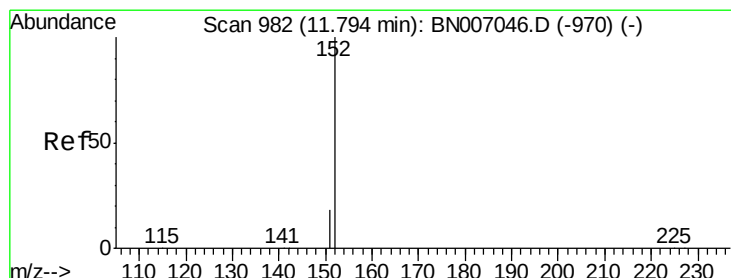
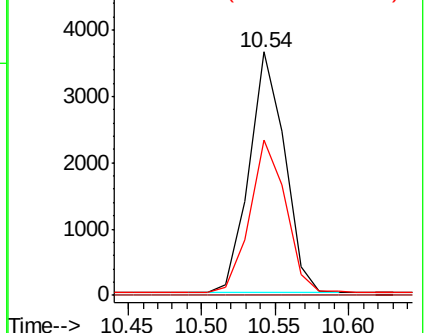
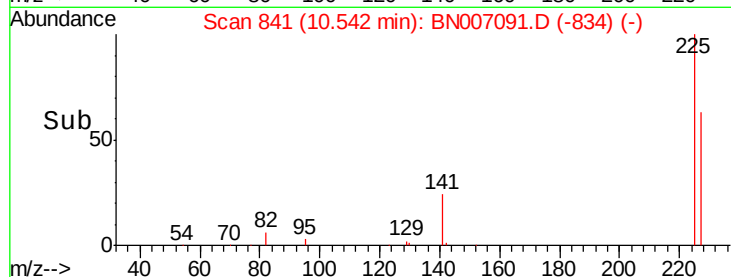
227 63.6 51.1 76.7



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: 0.367 ng

RT: 11.79 min Scan# 981

Delta R.T. -0.00 min

Lab File: BN007091.D

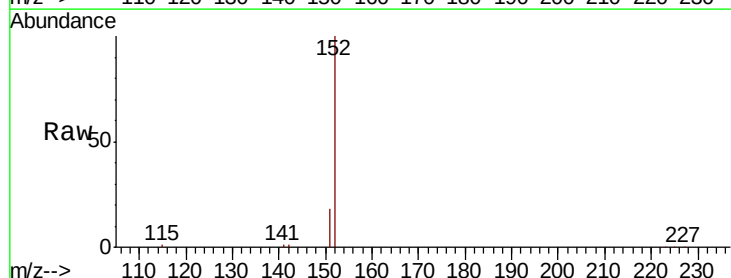
Acq: 12 Aug 2019 11:06

Tgt Ion:152 Resp: 18027

Ion Ratio Lower Upper

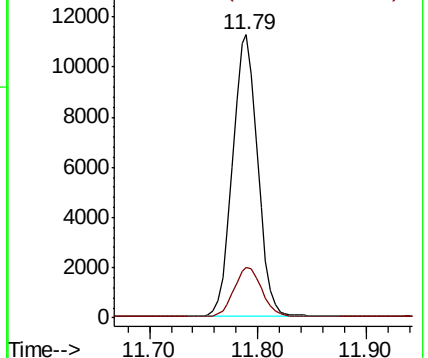
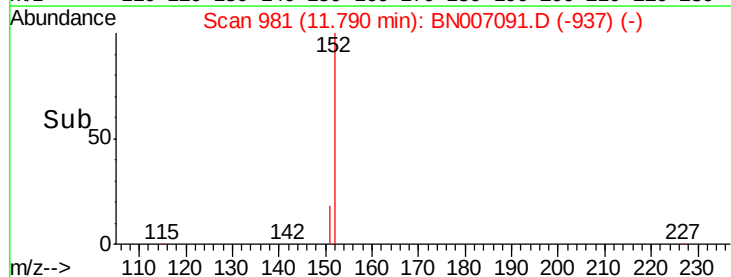
152 100

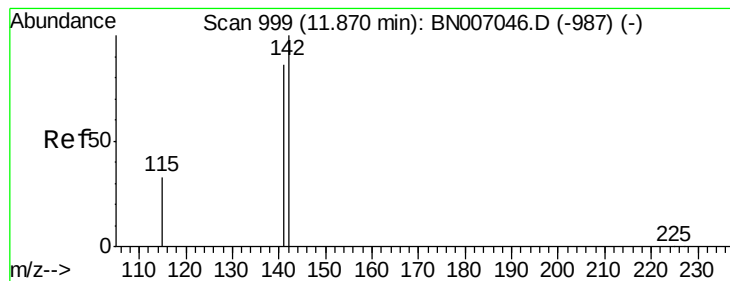
151 19.4 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#11

2-Methylnaphthalene

Concen: 0.368 ng

RT: 11.86 min Scan# 997

Delta R.T. -0.01 min

Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

Instrument :

BNA_N

ClientSampleId :

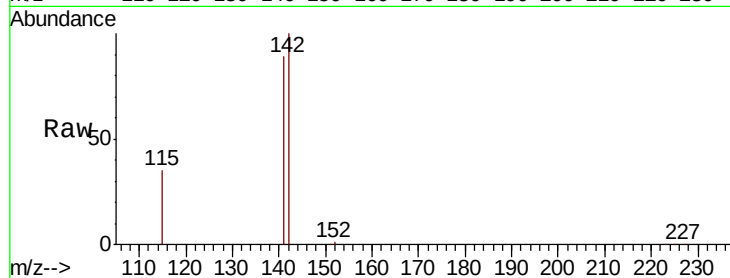
Tot Ion:142 Resp: 19272

Ion Ratio Lower Upper

142 100

141 88.5 69.0 103.6

115 35.2 27.1 40.7

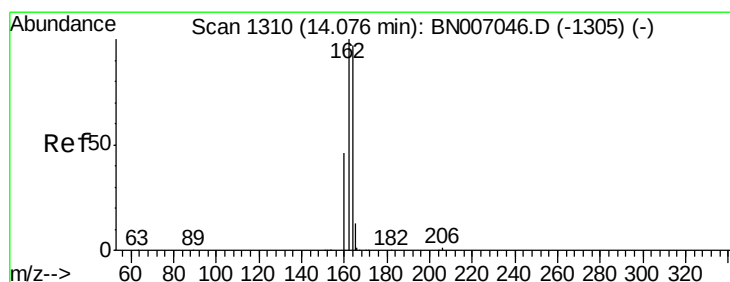
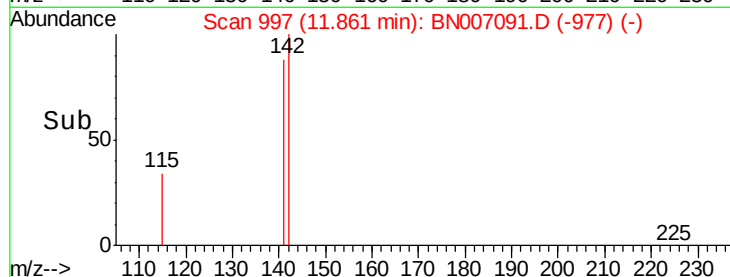
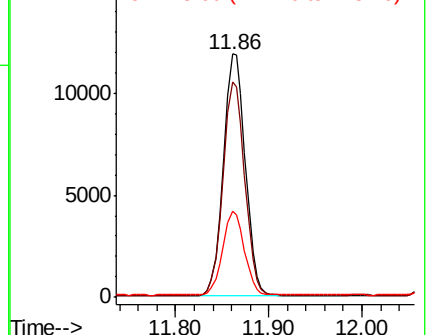


Abundance

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: BN007091.D

Acq: 12 Aug 2019 11:06

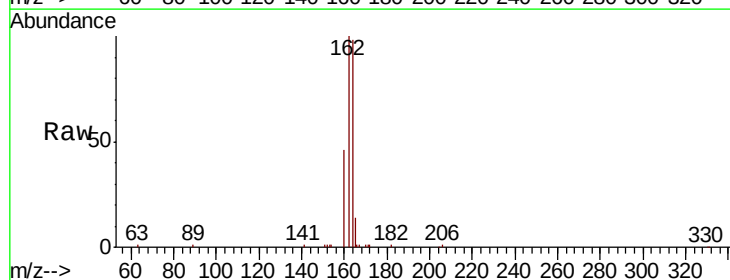
Tgt Ion:164 Resp: 14615

Ion Ratio Lower Upper

164 100

162 101.7 82.2 123.4

160 47.2 38.3 57.5

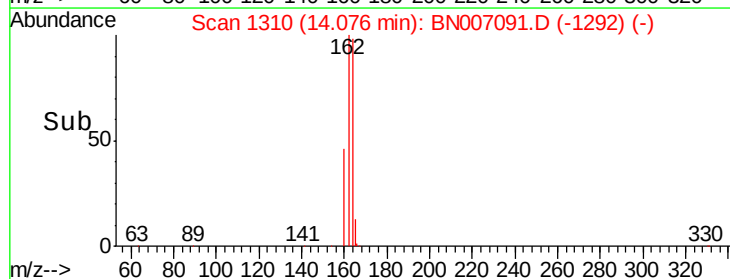
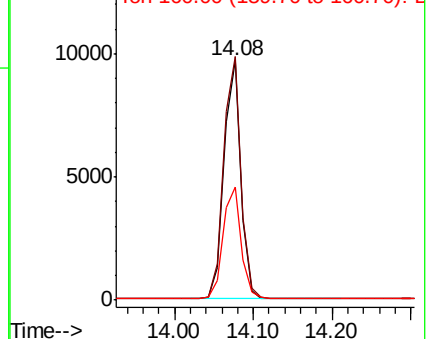


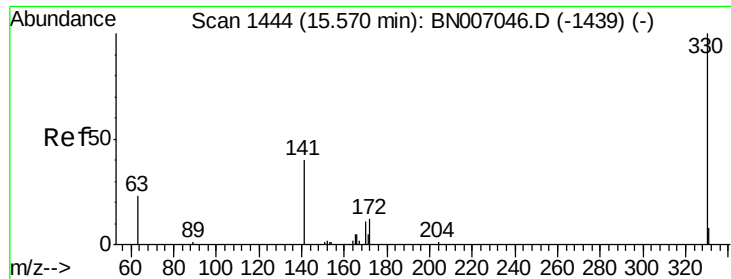
Abundance

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

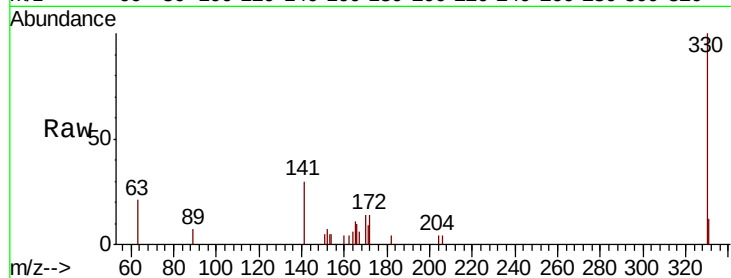




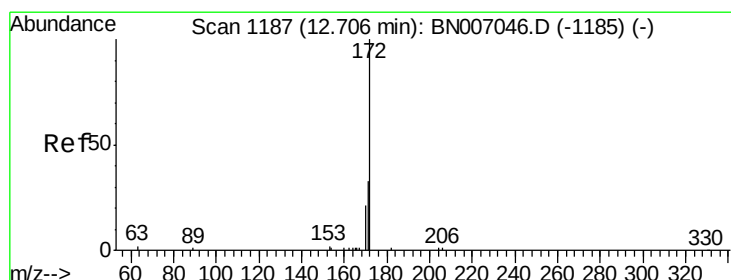
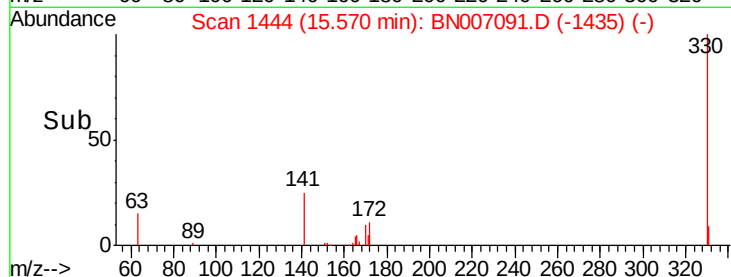
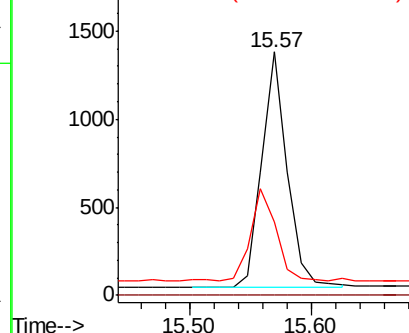
#13
 2,4,6-Tribromophenol
 Concen: 0.248 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007091.D
 Acq: 12 Aug 2019 11:06

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:330 Resp: 1951
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 40.5 33.6 50.4

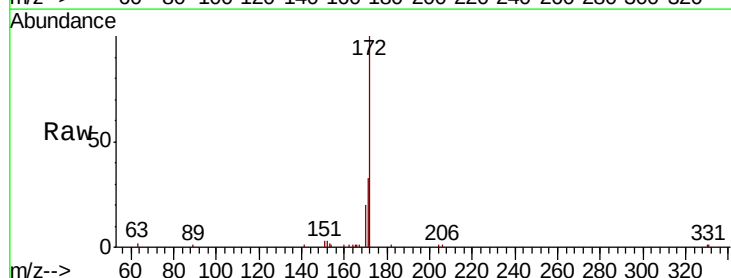


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

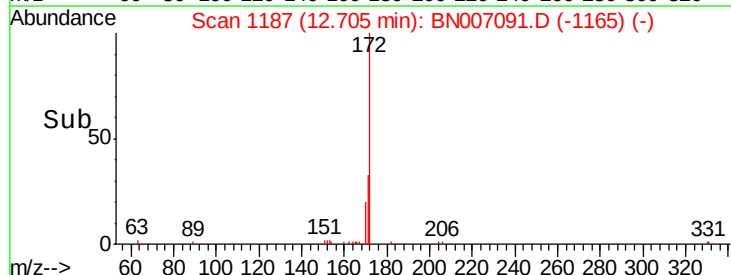
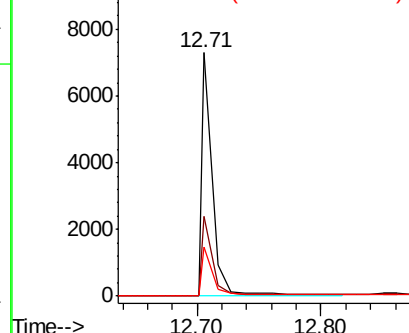


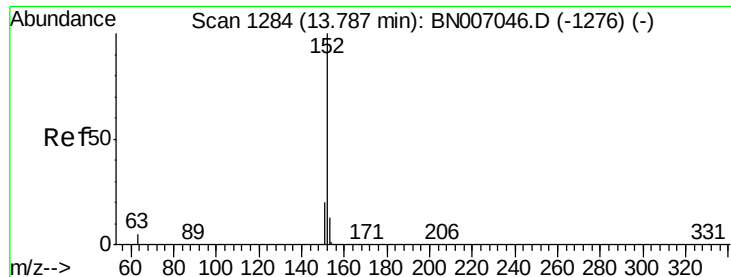
#14
 2-Fluorobiphenyl
 Concen: 0.252 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007091.D
 Acq: 12 Aug 2019 11:06

Tgt Ion:172 Resp: 5348
 Ion Ratio Lower Upper
 172 100
 171 32.7 26.3 39.5
 170 20.2 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: 0.362 ng

RT: 13.79 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

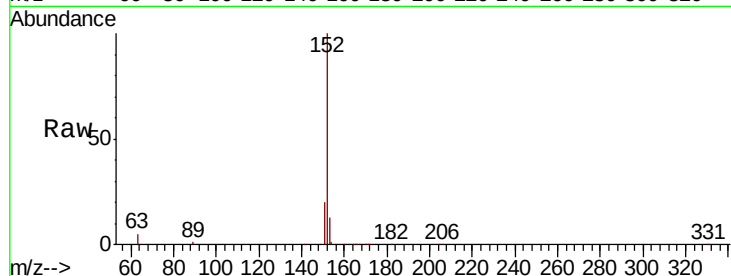
Instrument :

BNA_N

ClientSampled :

Tot Ion:152 Resp: 27683

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	12.9	10.4	15.6

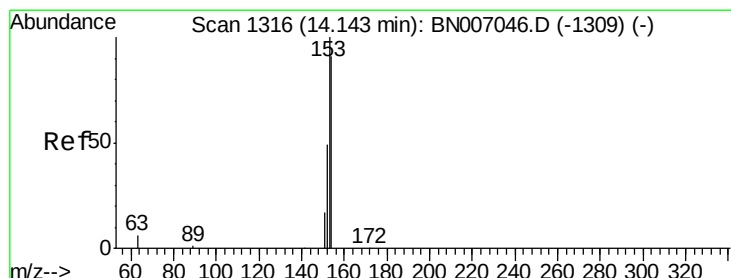
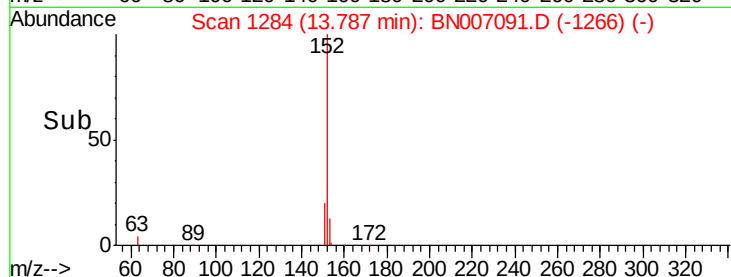
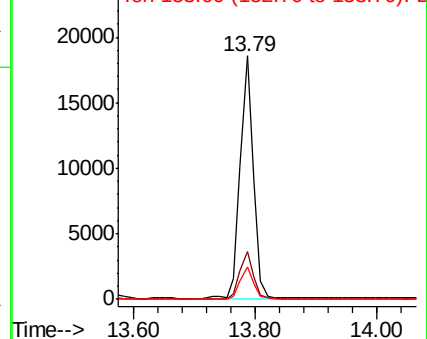


Abundance

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: 0.377 ng

RT: 14.13 min Scan# 1315

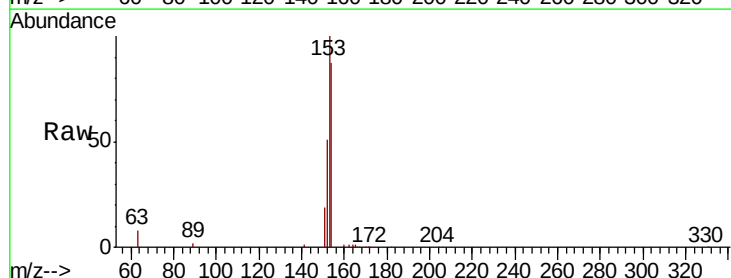
Delta R.T. -0.01 min

Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

Tgt Ion:154 Resp: 18467

Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.5	134.3
152	57.4	44.8	67.2

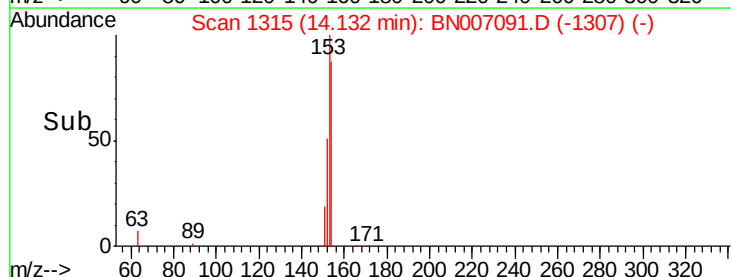
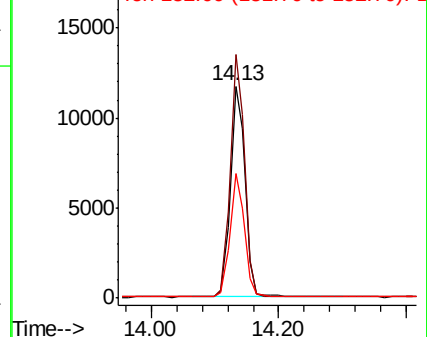


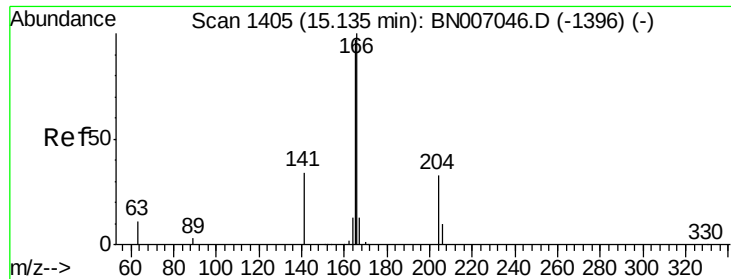
Abundance

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

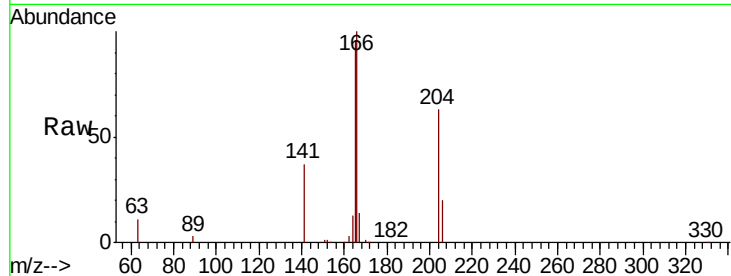




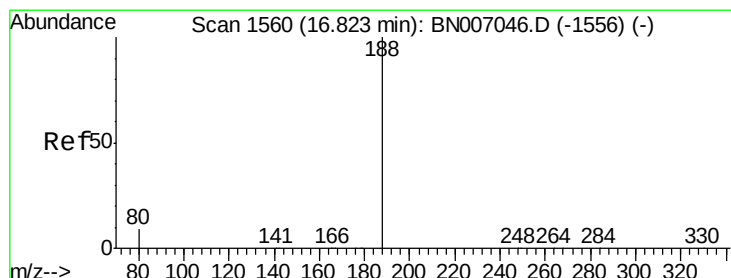
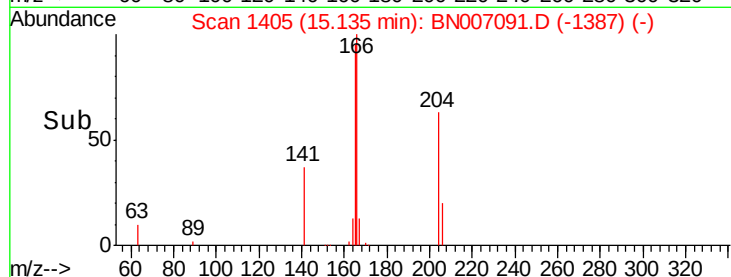
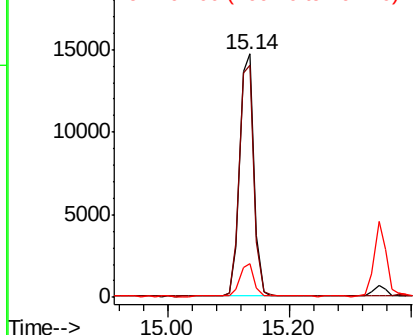
#17
 Fluorene
 Concen: 0.326 ng
 RT: 15.14 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: BN007091.D
 Acq: 12 Aug 2019 11:06

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:166 Resp: 23876
 Ion Ratio Lower Upper
 166 100
 165 97.4 77.9 116.9
 167 13.2 10.9 16.3

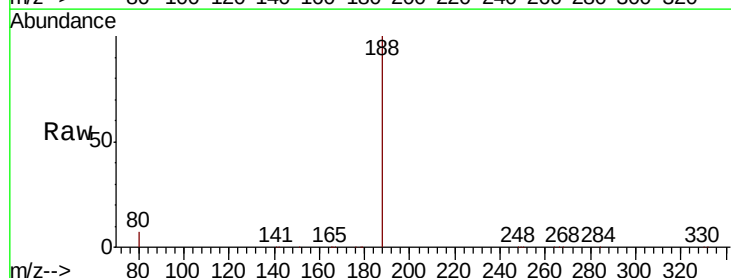


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

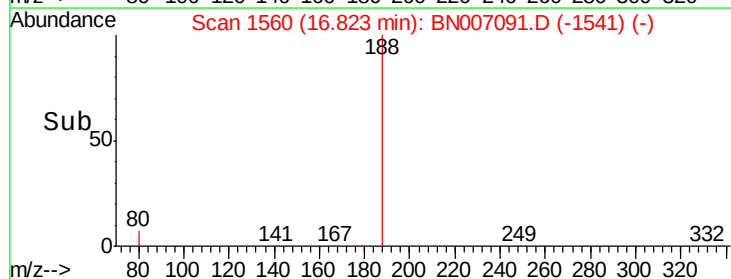
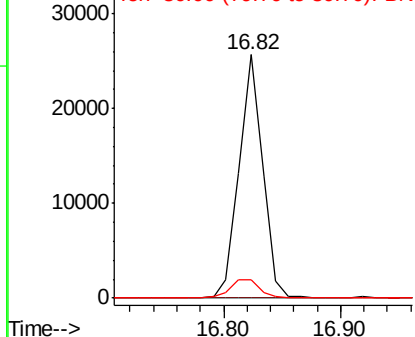


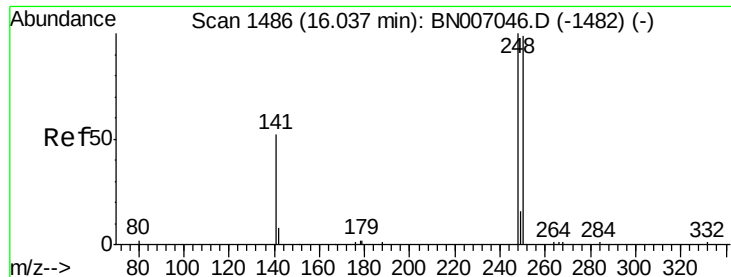
#18
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BN007091.D
 Acq: 12 Aug 2019 11:06

Tgt Ion:188 Resp: 35522
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 7.3 7.8 11.6#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BNC
 Ion 80.00 (79.70 to 80.70): BNC





#19

4-Bromophenyl-phenylether

Concen: 0.394 ng

RT: 16.03 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

Instrument :

BNA_N

ClientSampleId :

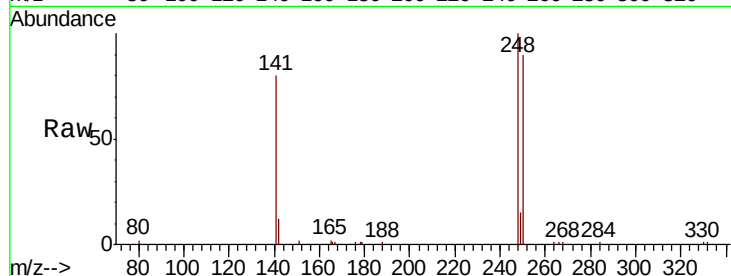
Tot Ion:248 Resp: 8655

Ion Ratio Lower Upper

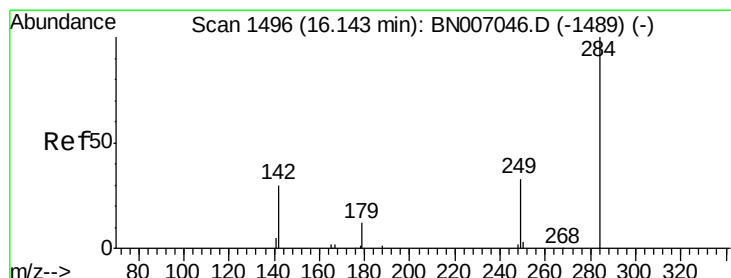
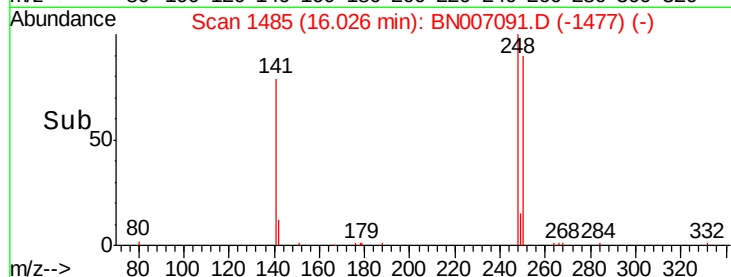
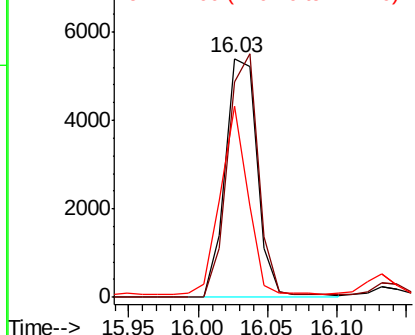
248 100

250 90.2 78.9 118.3

141 80.3 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: 0.435 ng

RT: 16.14 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

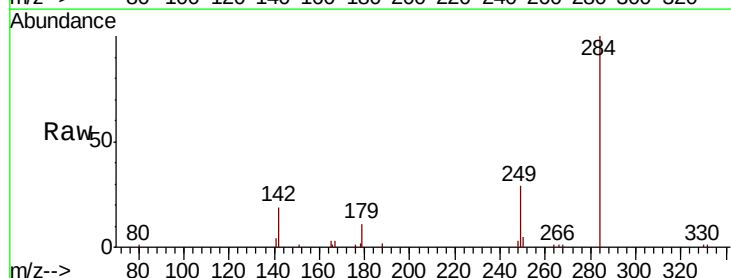
Tgt Ion:284 Resp: 9183

Ion Ratio Lower Upper

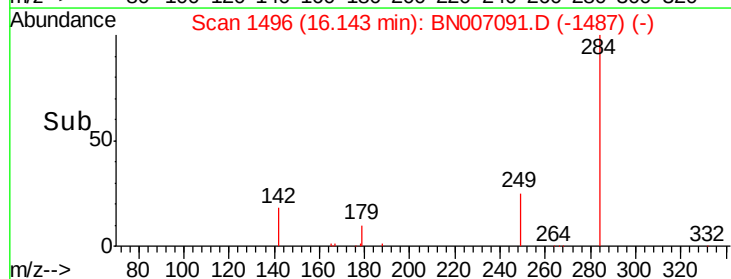
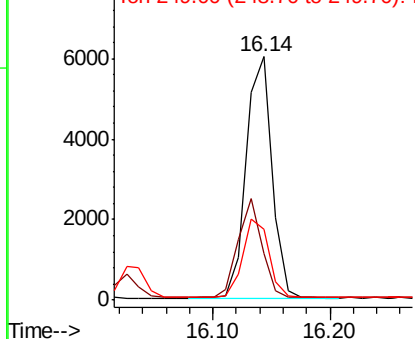
284 100

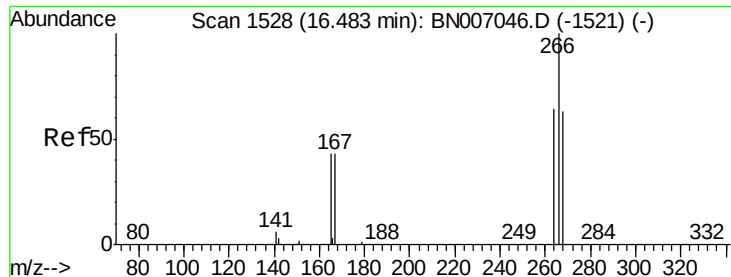
142 37.5 30.5 45.7

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

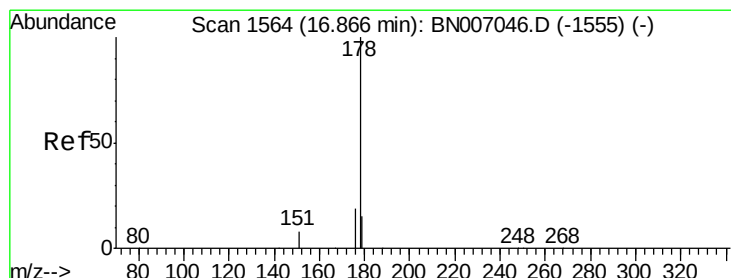
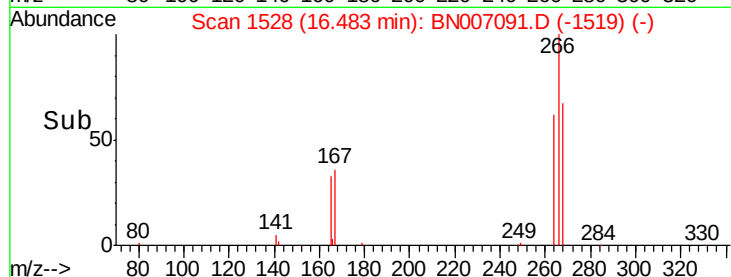
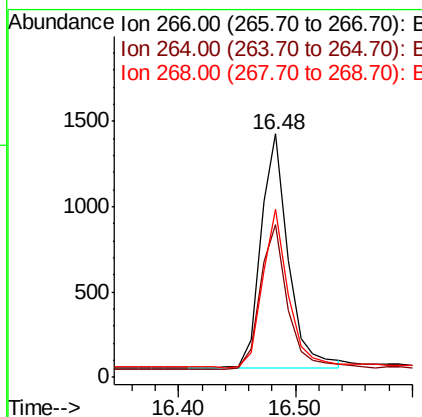
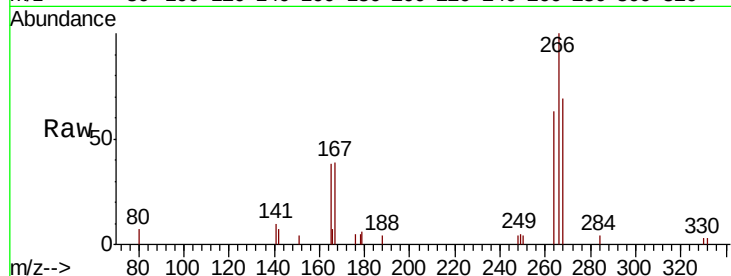




#21
 Pentachlorophenol
 Concen: 0.282 ng
 RT: 16.48 min Scan# 1528
 Delta R.T. -0.00 min
 Lab File: BN007091.D
 Acq: 12 Aug 2019 11:06

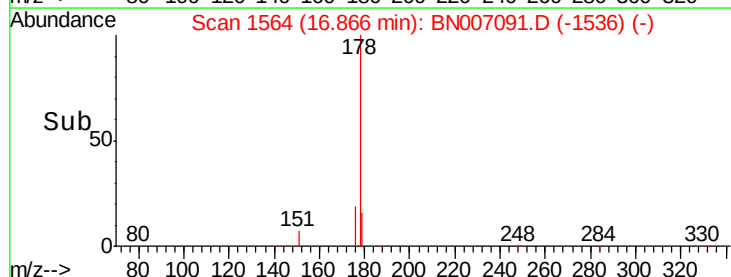
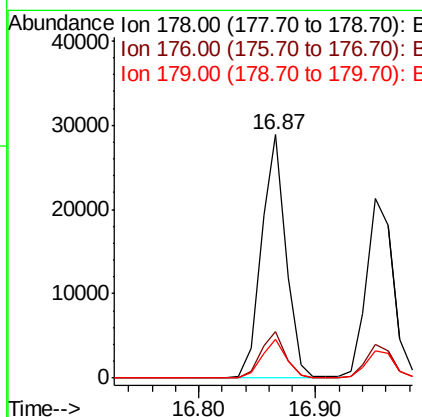
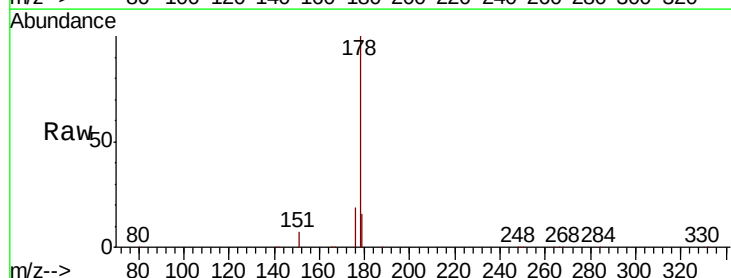
Instrument :
 BNA_N
 ClientSampleId :

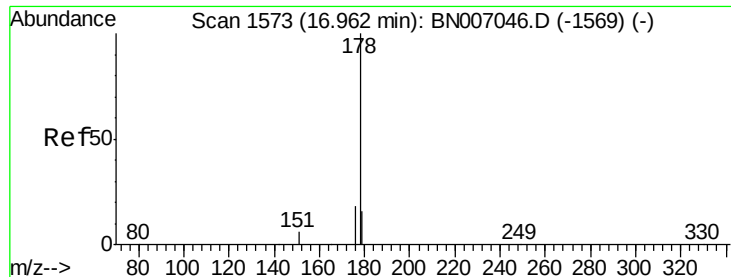
Tot Ion:	266	Resp:	2219
Ion	Ratio	Lower	Upper
266	100		
264	62.8	52.3	78.5
268	69.1	51.5	77.3



#22
 Phenanthrene
 Concen: 0.391 ng
 RT: 16.87 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BN007091.D
 Acq: 12 Aug 2019 11:06

Tgt Ion:	178	Resp:	41592
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.7	12.3	18.5





#23

Anthracene

Concen: 0.352 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

Instrument :

BNA_N

ClientSampled :

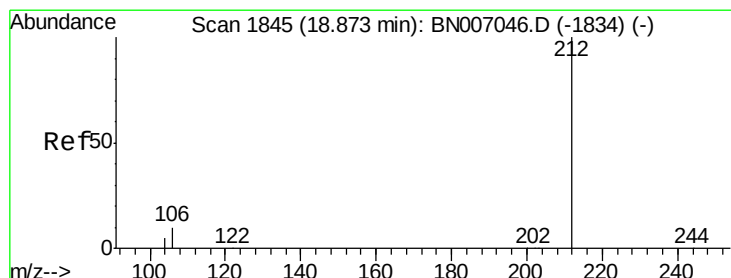
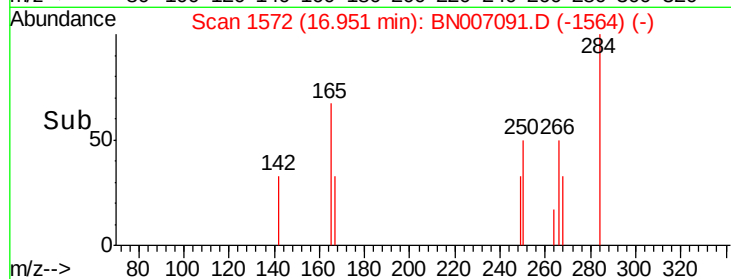
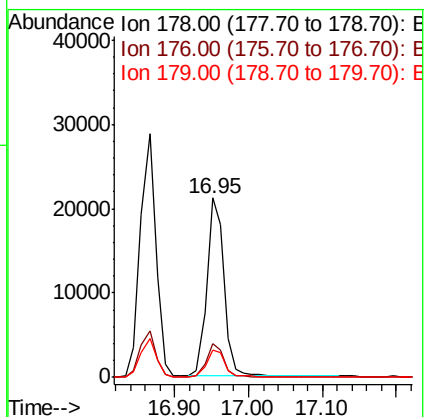
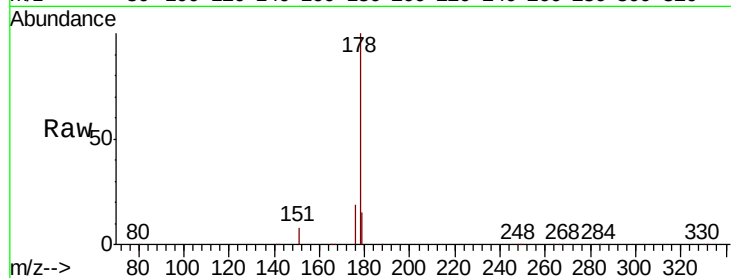
Tot Ion:178 Resp: 34228

Ion Ratio Lower Upper

178 100

176 18.4 14.6 21.8

179 15.2 12.5 18.7



#24

Fluoranthene-d10

Concen: 0.340 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

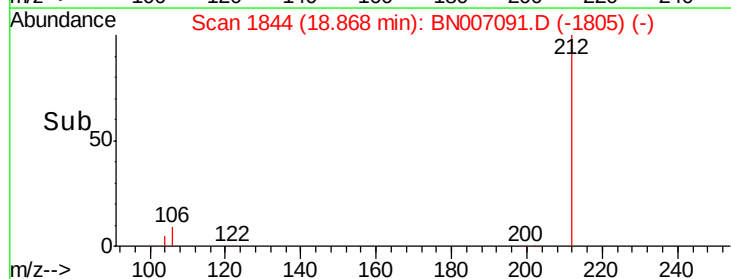
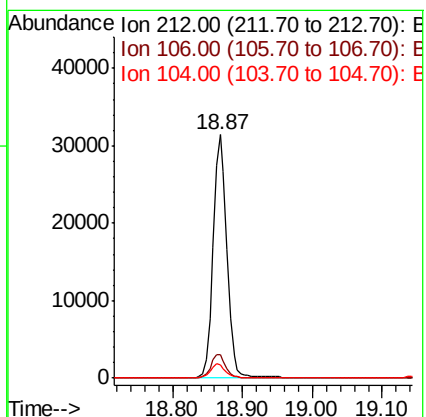
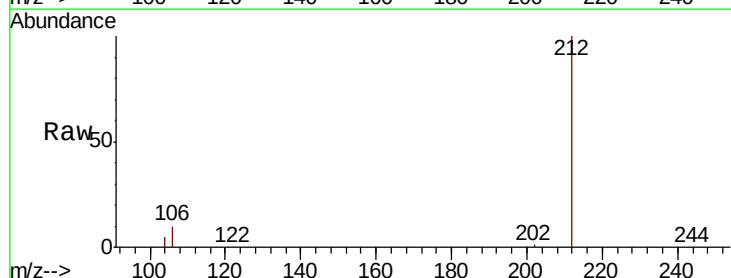
Tgt Ion:212 Resp: 42862

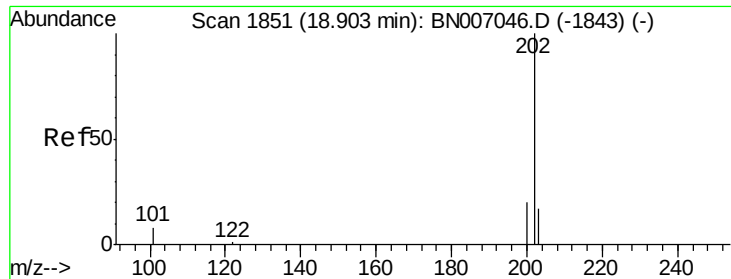
Ion Ratio Lower Upper

212 100

106 9.9 8.2 12.2

104 5.7 4.5 6.7





#25

Fluoranthene

Concen: 0.354 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

Instrument :

BNA_N

ClientSampleId :

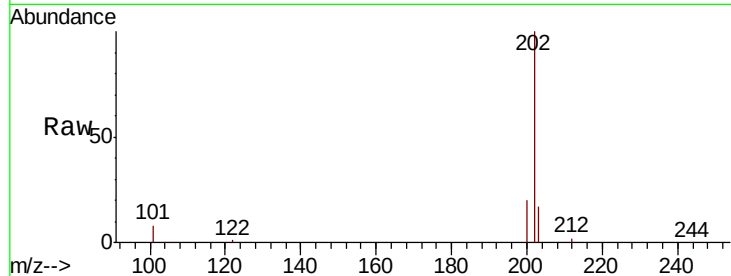
Tot Ion:202 Resp: 48228

Ion Ratio Lower Upper

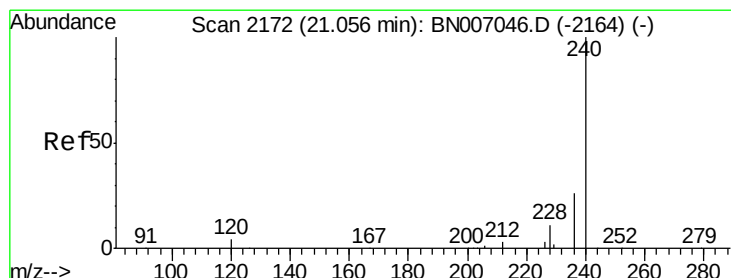
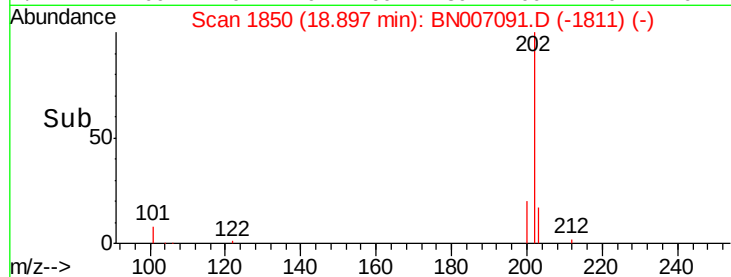
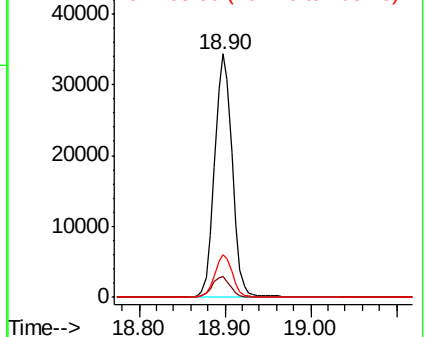
202 100

101 8.6 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: BN007091.D

Acq: 12 Aug 2019 11:06

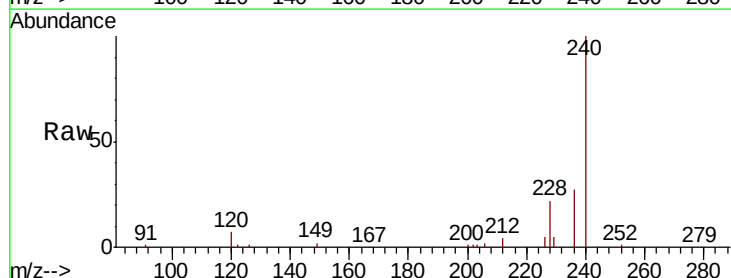
Tgt Ion:240 Resp: 34880

Ion Ratio Lower Upper

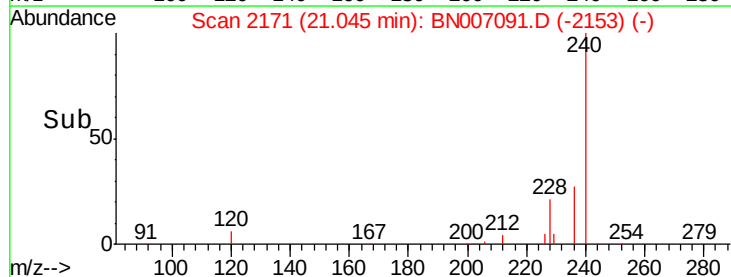
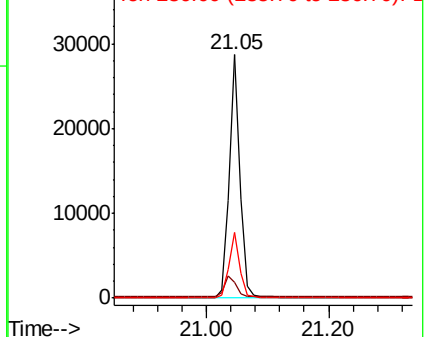
240 100

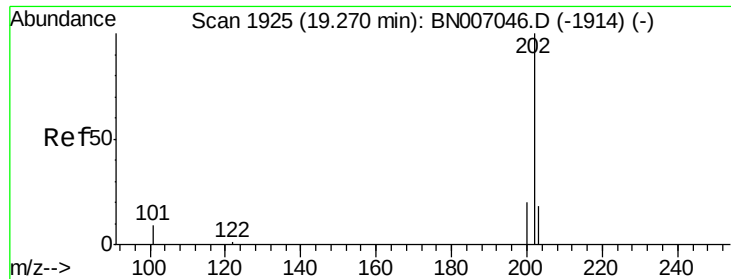
120 6.6 4.0 6.0#

236 26.9 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

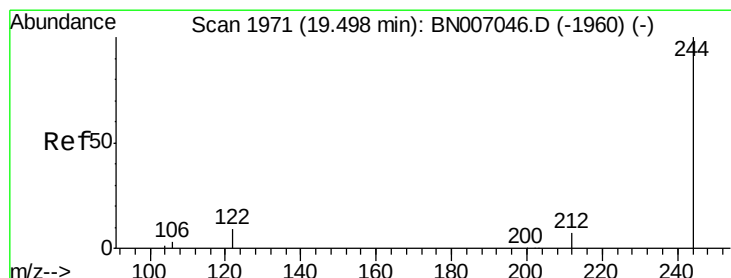
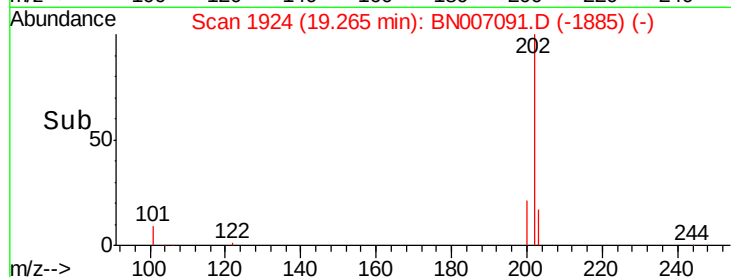
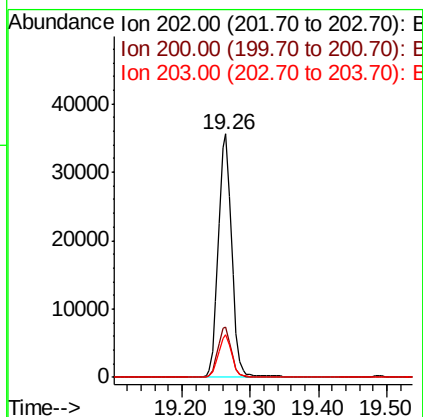
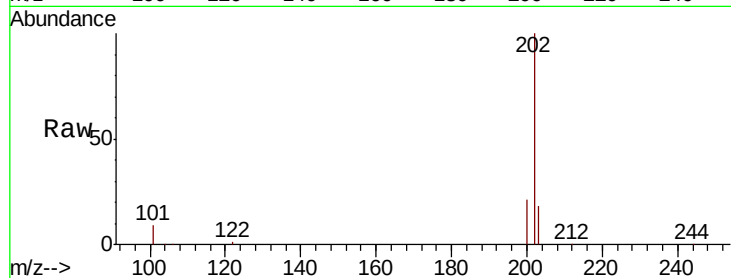




#27
Pvrene
Concen: 0.392 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007091.D
Acq: 12 Aug 2019 11:06

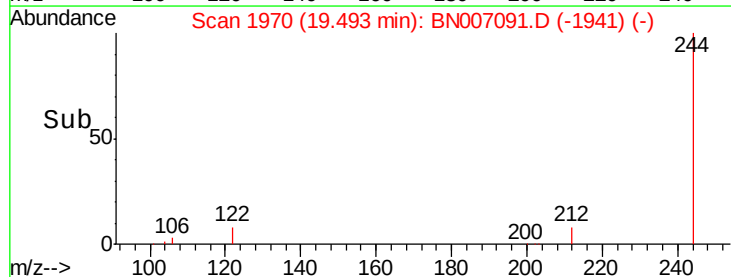
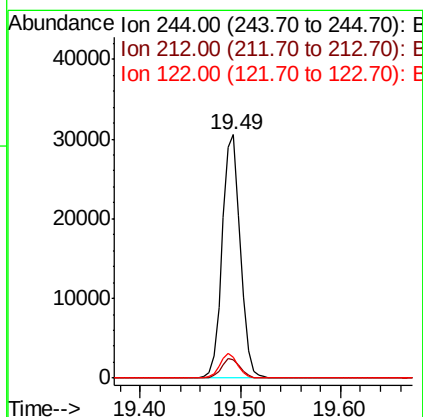
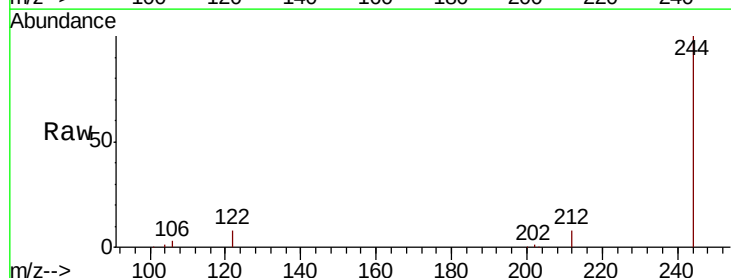
Instrument :
BNA_N
ClientSampleId :

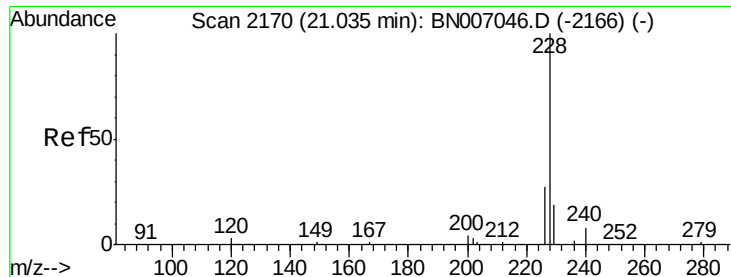
Tot Ion:202 Resp: 47954
Ion Ratio Lower Upper
202 100
200 20.8 16.6 24.8
203 17.4 14.0 21.0



#28
Terphenyl-d14
Concen: 0.400 ng
RT: 19.49 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BN007091.D
Acq: 12 Aug 2019 11:06

Tgt Ion:244 Resp: 38016
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.2
122 8.5 7.4 11.2





#29

Benzo(a)anthracene

Concen: 0.349 ng

RT: 21.03 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

Instrument :

BNA_N

ClientSampled :

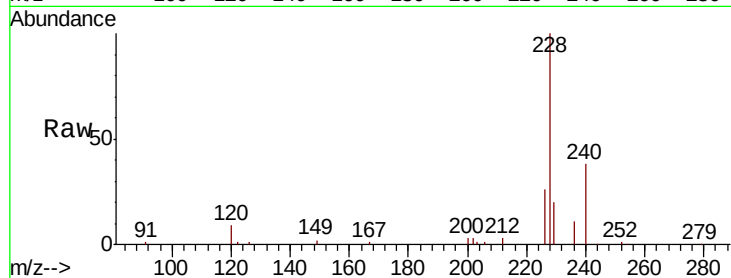
Tot Ion:228 Resp: 44506

Ion Ratio Lower Upper

228 100

226 25.7 21.8 32.6

229 20.3 15.6 23.4

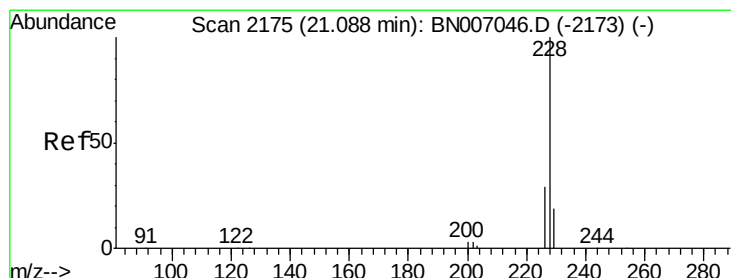
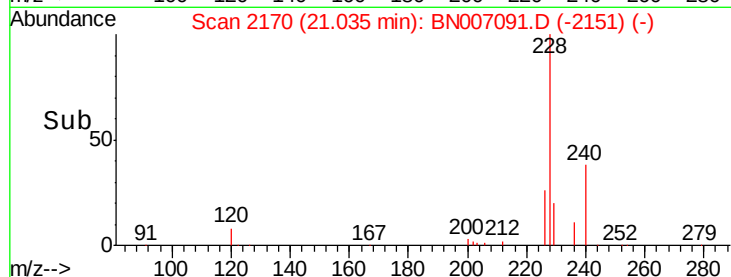
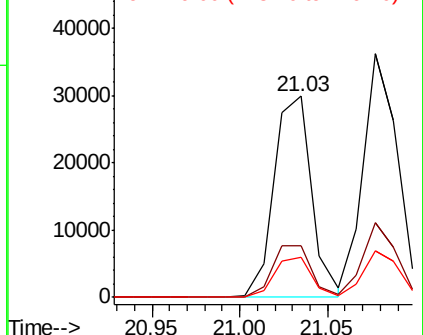


Abundance

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: 0.395 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

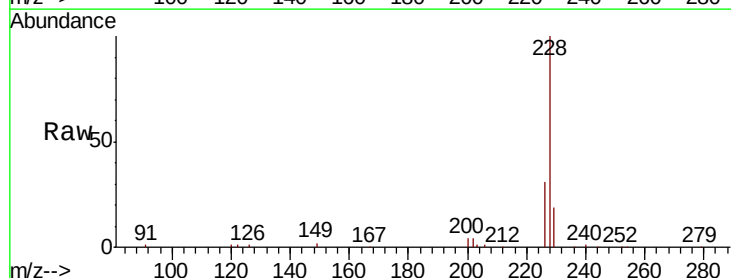
Tgt Ion:228 Resp: 48998

Ion Ratio Lower Upper

228 100

226 30.5 23.8 35.6

229 19.2 15.7 23.5

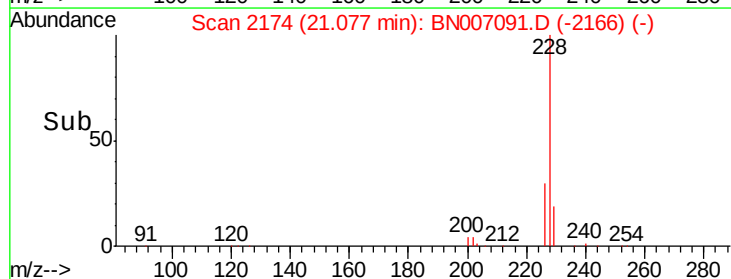
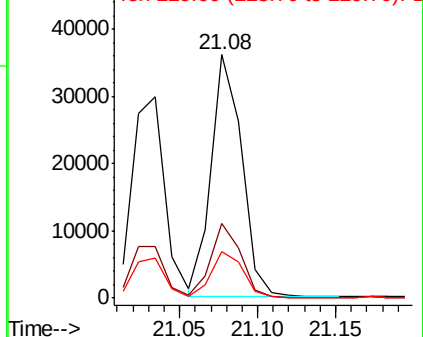


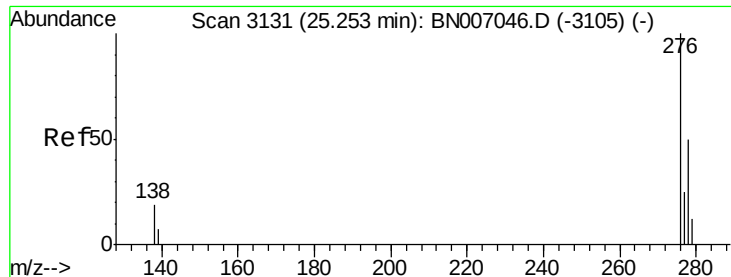
Abundance

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

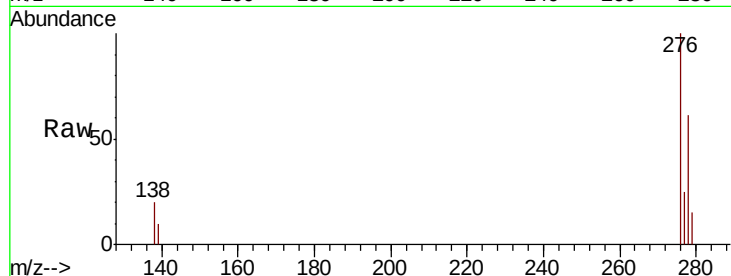




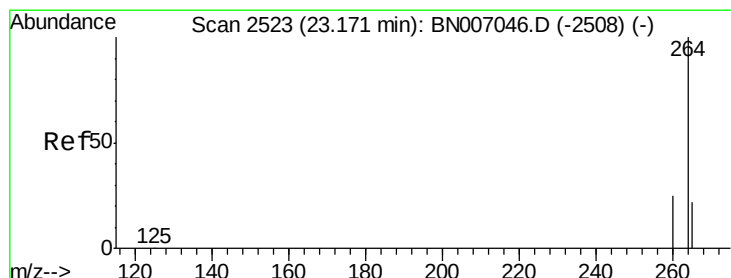
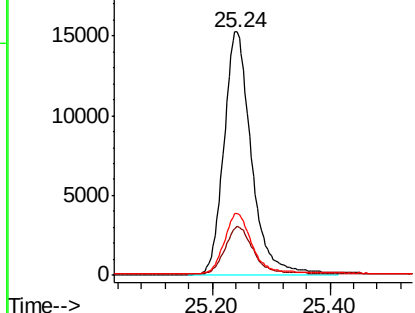
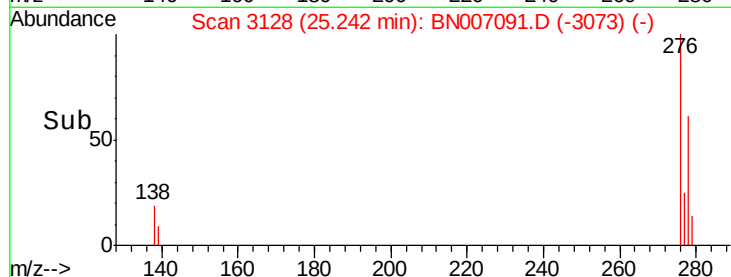
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.359 ng
 RT: 25.24 min Scan# 3128
 Delta R.T. -0.01 min
 Lab File: BN007091.D
 Acq: 12 Aug 2019 11:06

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 49056
 Ion Ratio Lower Upper
 276 100
 138 20.1 16.0 24.0
 277 25.0 19.9 29.9

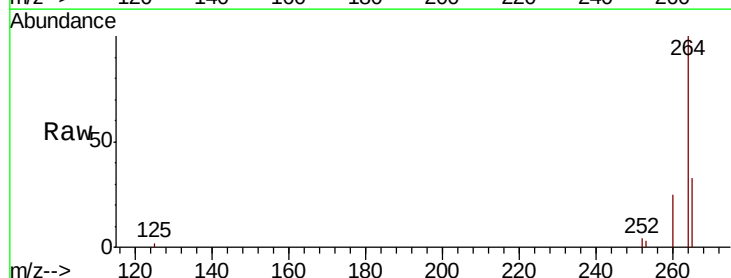


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

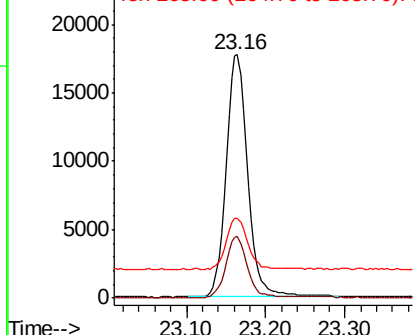
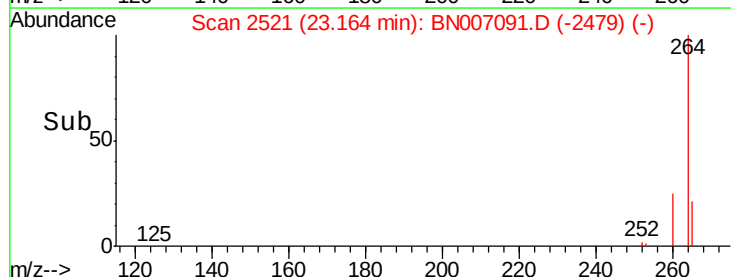


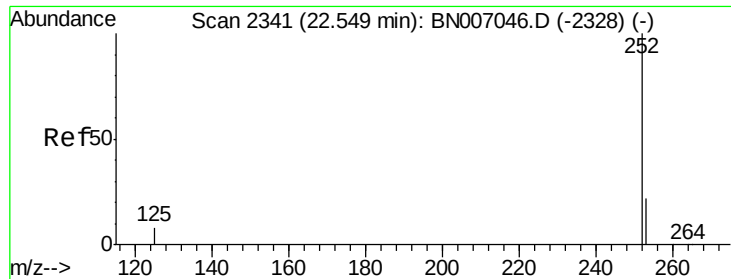
#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2521
 Delta R.T. -0.01 min
 Lab File: BN007091.D
 Acq: 12 Aug 2019 11:06

Tgt Ion:264 Resp: 33475
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.8 29.8
 265 32.9 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: 0.393 ng

RT: 22.54 min Scan# 2339

Delta R.T. -0.01 min

Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

Instrument :

BNA_N

ClientSampleId :

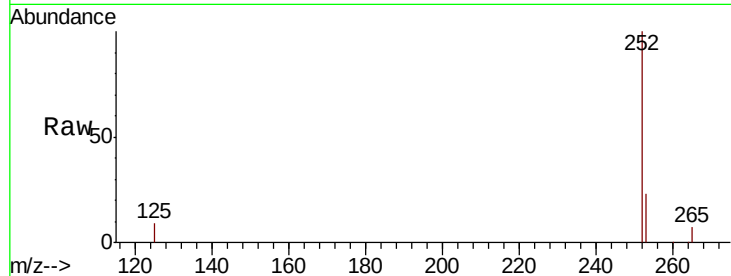
Tot Ion:252 Resp: 45096

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

125 8.7 7.4 11.0

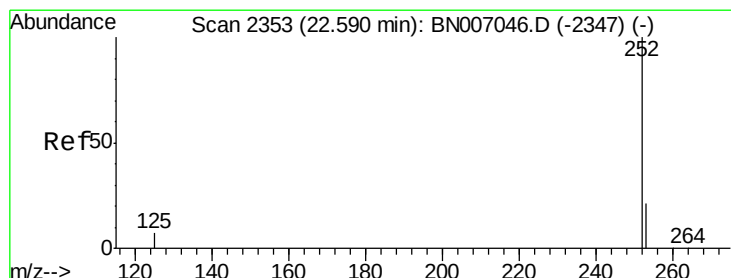
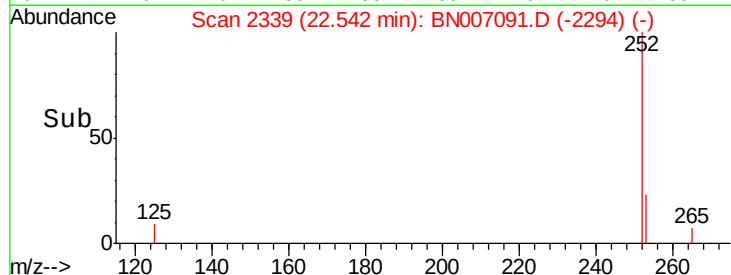
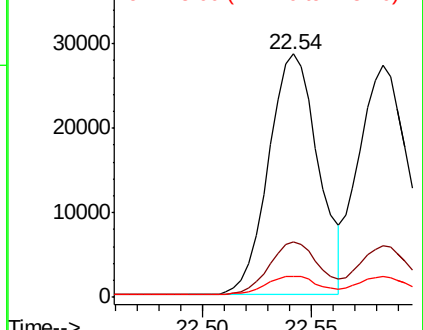


Abundance

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: 0.402 ng

RT: 22.58 min Scan# 2351

Delta R.T. -0.01 min

Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

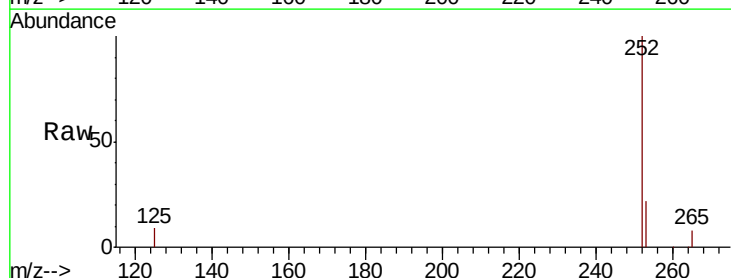
Tgt Ion:252 Resp: 45590

Ion Ratio Lower Upper

252 100

253 22.3 18.1 27.1

125 8.9 7.4 11.0

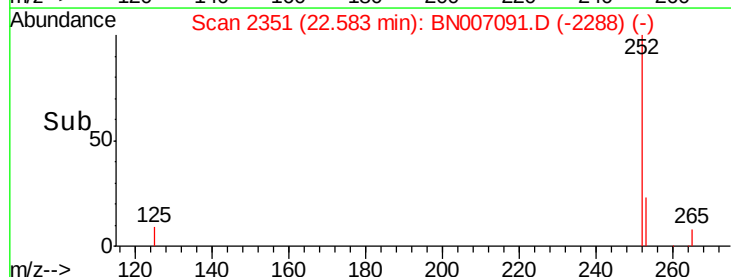
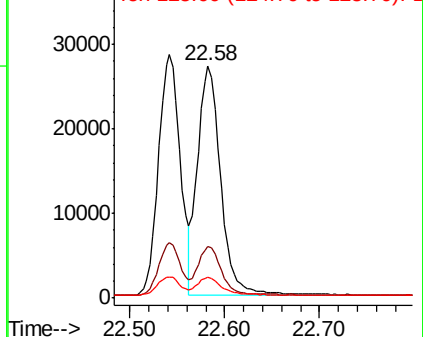


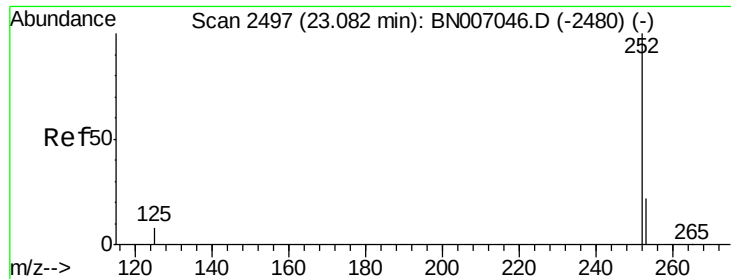
Abundance

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: 0.361 ng

RT: 23.07 min Scan# 2494

Delta R.T. -0.01 min

Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

Instrument :

BNA_N

ClientSampleId :

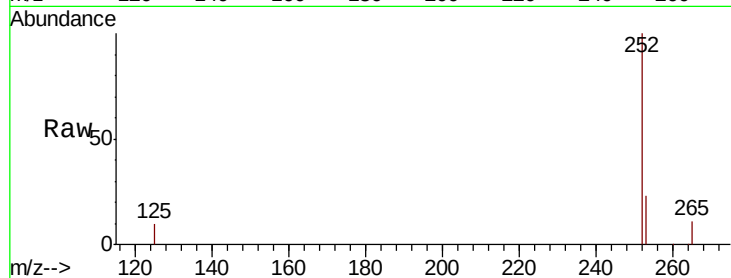
Tot Ion:252 Resp: 37576

Ion Ratio Lower Upper

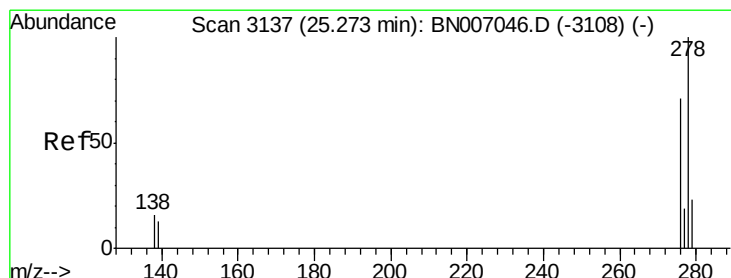
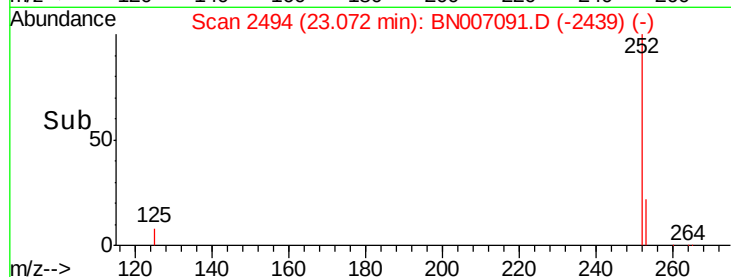
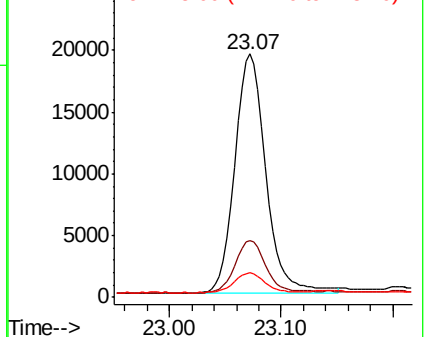
252 100

253 23.2 18.5 27.7

125 9.9 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: 0.388 ng

RT: 25.26 min Scan# 3132

Delta R.T. -0.02 min

Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

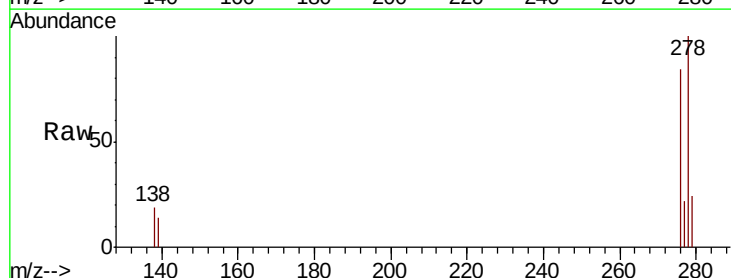
Tgt Ion:278 Resp: 40313

Ion Ratio Lower Upper

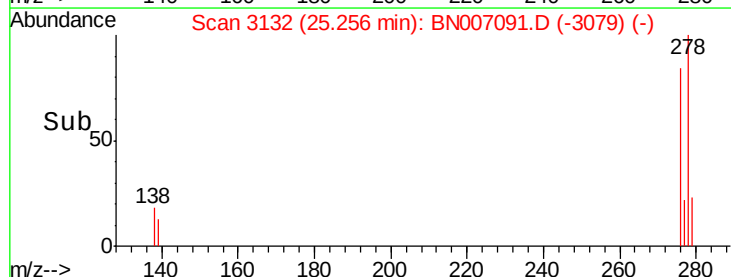
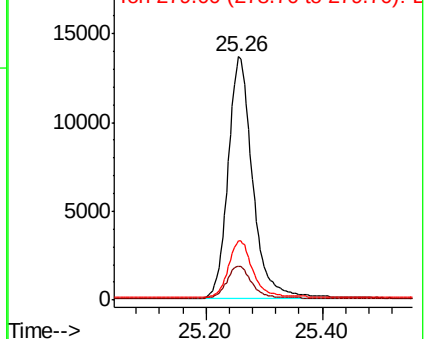
278 100

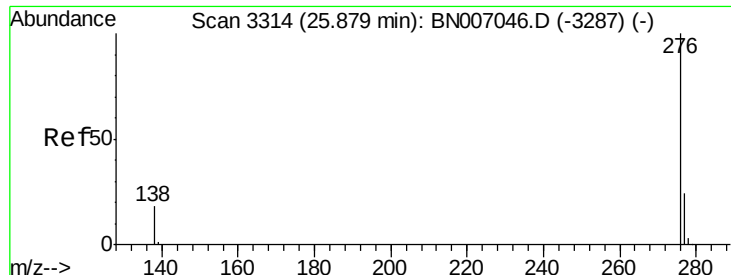
139 14.0 11.3 16.9

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: 0.389 ng

RT: 25.86 min Scan# 3309

Delta R.T. -0.02 min

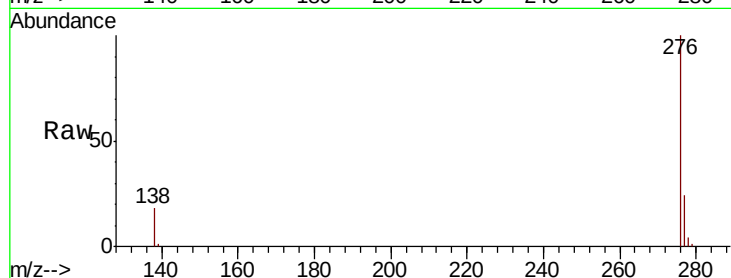
Lab File: BN007091.D

Acq: 12 Aug 2019 11:06

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 41589

Ion Ratio Lower Upper

276 100

277 24.0 19.8 29.8

138 17.7 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

