

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
 Data File : BN007097.D
 Acq On : 12 Aug 2019 14:41
 Operator : HP/JU
 Sample : K4144-04MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 13 04:14:46 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	9175	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	34476	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	19785	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	49758	0.40	ng	0.00
26) Chrysene-d12	21.05	240	50830	0.40	ng	-0.01
32) Perylene-d12	23.16	264	54920	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	7836	0.36	ng	0.00
4) Phenol-d6	6.61	99	10556	0.39	ng	0.00
7) Nitrobenzene-d5	8.56	82	8119	0.29	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	26436	0.41	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	2469	0.23	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	5561	0.19	ng	0.00
24) Fluoranthene-d10	18.87	212	55021	0.31	ng	0.00
28) Terphenyl-d14	19.49	244	42396	0.31	ng	0.00

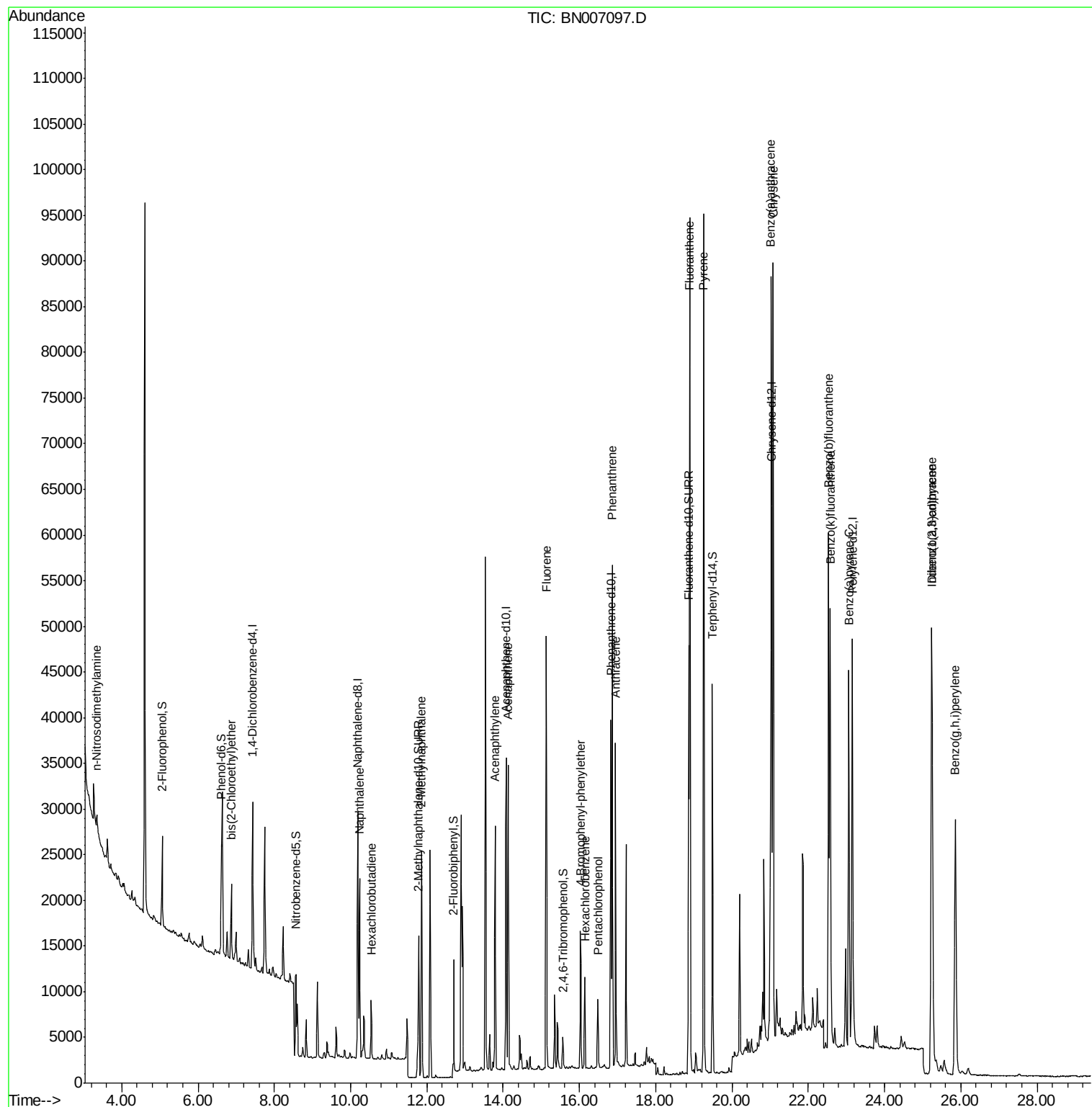
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.34	42	1627	0.270	ng	# 84
5) bis(2-Chloroethyl)ether	6.87	93	6752	0.280	ng	99
8) Naphthalene	10.24	128	25674	0.266	ng	99
9) Hexachlorobutadiene	10.54	225	5069	0.246	ng	# 100
11) 2-Methylnaphthalene	11.86	142	18146	0.265	ng	98
15) Acenaphthylene	13.79	152	28909	0.280	ng	100
16) Acenaphthene	14.13	154	16917	0.255	ng	100
17) Fluorene	15.14	166	22251	0.224	ng	99
19) 4-Bromophenyl-phenylether	16.03	248	8154	0.265	ng	# 85
20) Hexachlorobenzene	16.14	284	7760	0.262	ng	99
21) Pentachlorophenol	16.48	266	3845	0.349	ng	98
22) Phenanthrene	16.87	178	56367	0.378	ng	100
23) Anthracene	16.95	178	38204	0.280	ng	100
25) Fluoranthene	18.90	202	86504	0.453	ng	100
27) Pyrene	19.26	202	84216	0.472	ng	99
29) Benzo(a)anthracene	21.02	228	60333	0.325	ng	98
30) Chrysene	21.08	228	69143	0.383	ng	99
31) Indeno(1,2,3-cd)pyrene	25.23	276	67277	0.338	ng	98
33) Benzo(b)fluoranthene	22.53	252	71680	0.381	ng	99
34) Benzo(k)fluoranthene	22.58	252	63319	0.340	ng	99
35) Benzo(a)pyrene	23.07	252	56883	0.333	ng	100
36) Dibenzo(a,h)anthracene	25.25	278	47850	0.281	ng	98
37) Benzo(g,h,i)perylene	25.85	276	58995	0.337	ng	99

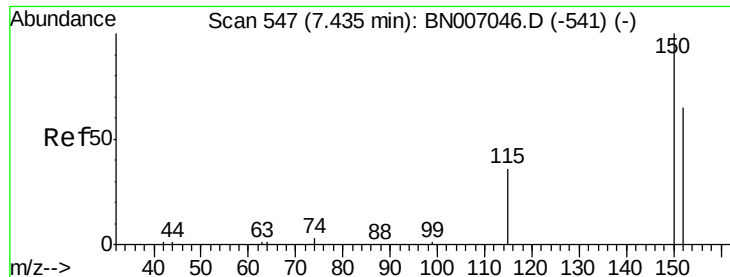
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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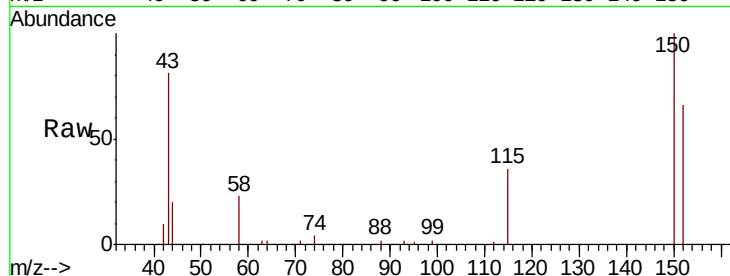


#1

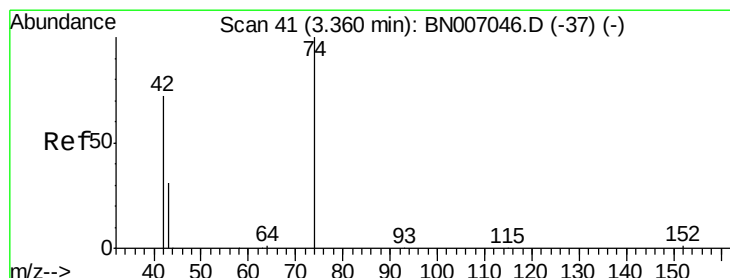
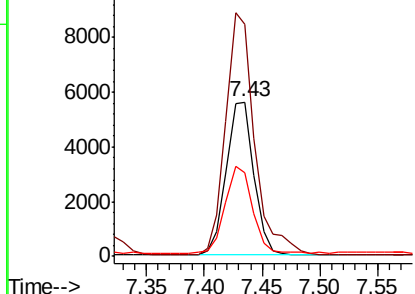
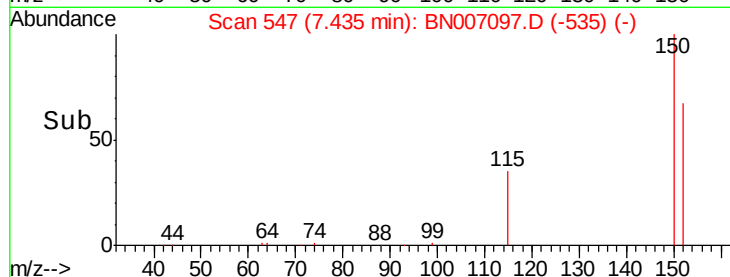
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007097.D
Acq: 12 Aug 2019 14:41

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 9175
Ion Ratio Lower Upper
152 100
150 150.5 121.7 182.5
115 54.3 46.2 69.4



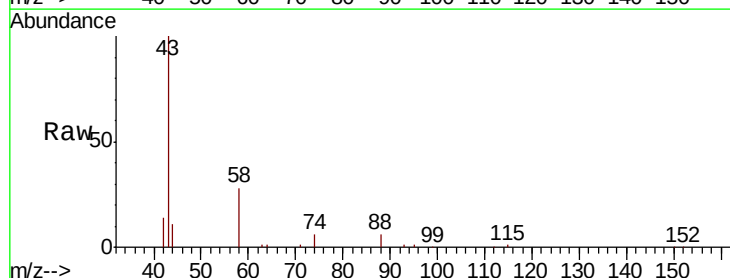
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



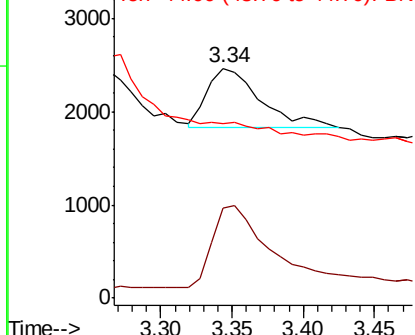
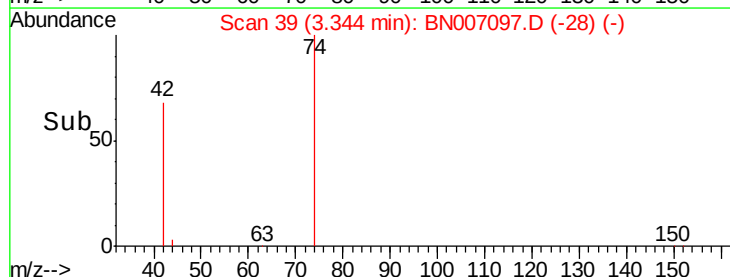
#2

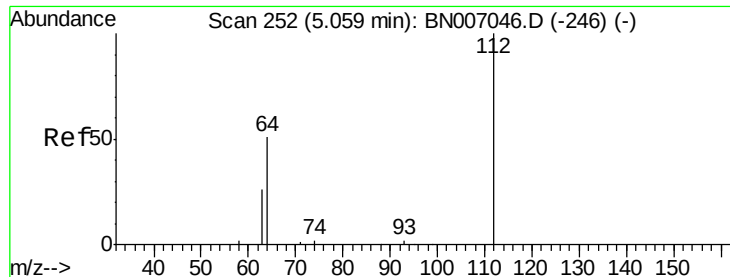
n-Nitrosodimethylamine
Concen: 0.270 ng
RT: 3.34 min Scan# 39
Delta R.T. -0.02 min
Lab File: BN007097.D
Acq: 12 Aug 2019 14:41

Tgt Ion: 42 Resp: 1627
Ion Ratio Lower Upper
42 100
74 157.3 110.6 166.0
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: 0.355 ng

RT: 5.06 min Scan# 252

Delta R.T. -0.00 min

Lab File: BN007097.D

Acq: 12 Aug 2019 14:41

Instrument :

BNA_N

ClientSampled :

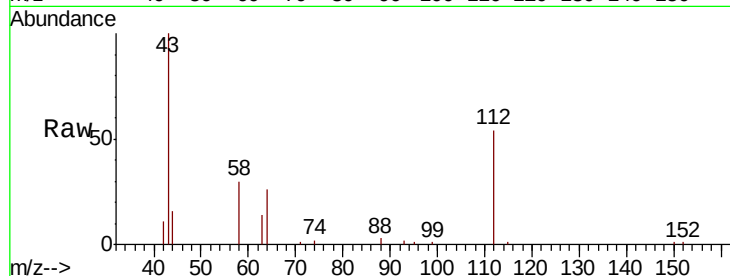
Tot Ion: 112 Resp: 7836

Ion Ratio Lower Upper

112 100

64 53.4 42.6 63.8

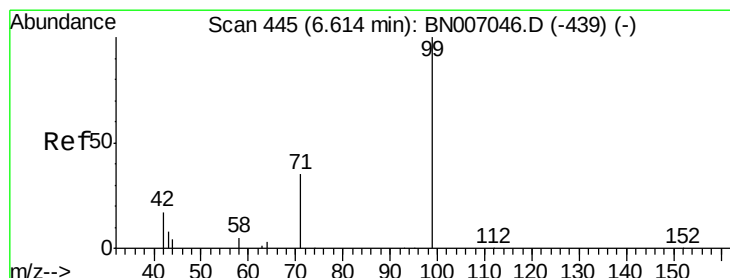
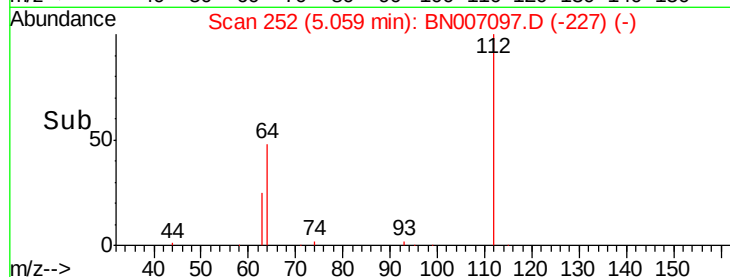
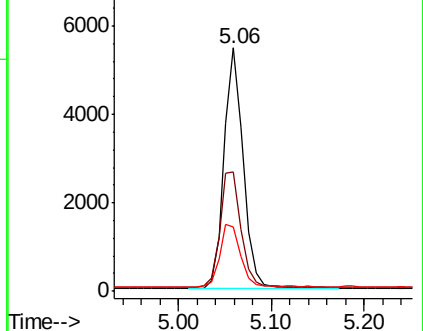
63 28.0 22.2 33.2



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: 0.387 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007097.D

Acq: 12 Aug 2019 14:41

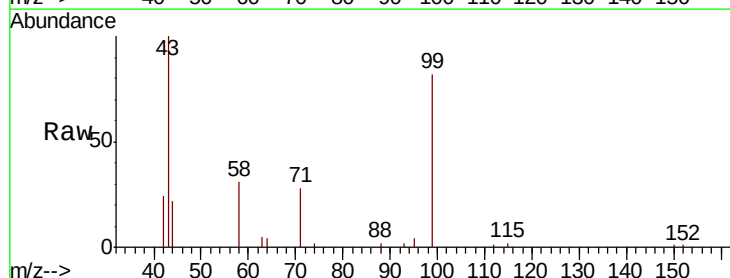
Tgt Ion: 99 Resp: 10556

Ion Ratio Lower Upper

99 100

42 27.4 15.8 23.6#

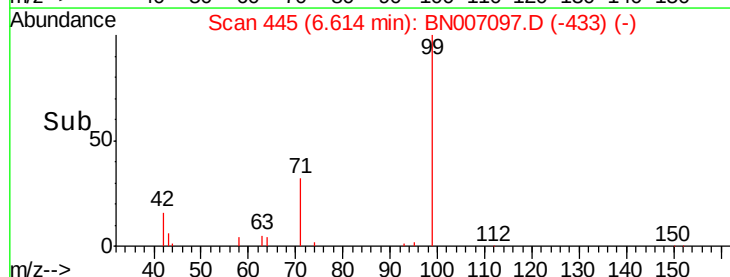
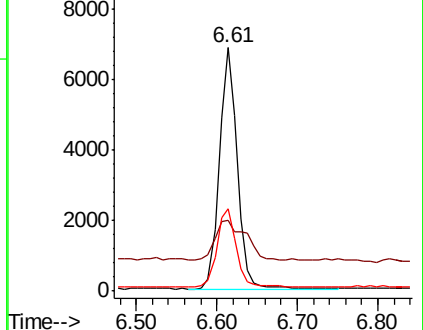
71 34.4 27.0 40.4

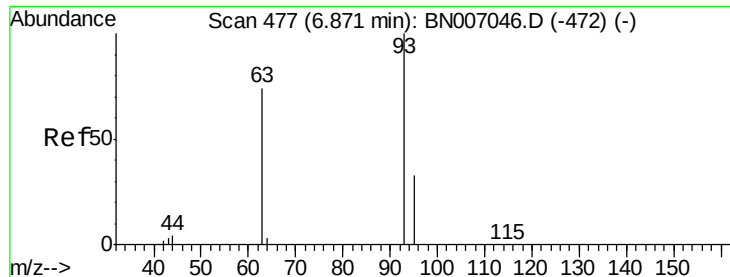


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#5

bis(2-Chloroethyl)ether

Concen: 0.280 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.00 min

Lab File: BN007097.D

Acq: 12 Aug 2019 14:41

Instrument :

BNA_N

ClientSampleId :

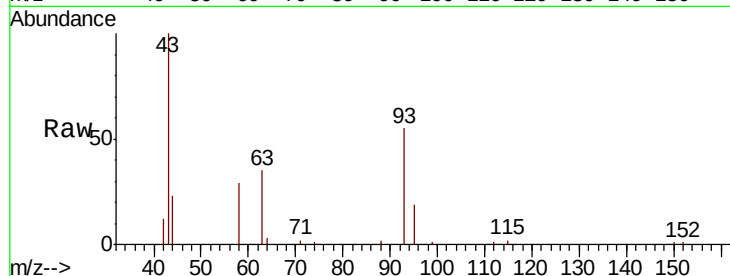
Tot Ion: 93 Resp: 6752

Ion Ratio Lower Upper

93 100

63 70.1 55.6 83.4

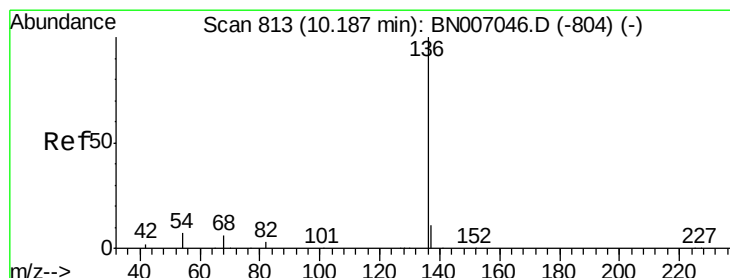
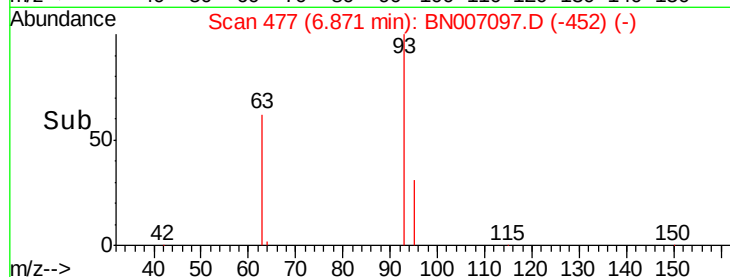
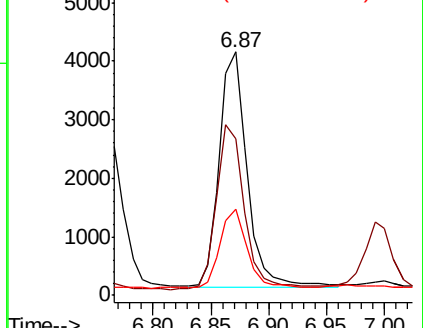
95 32.7 26.7 40.1



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

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

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



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007097.D

Acq: 12 Aug 2019 14:41

Tgt Ion: 136 Resp: 34476

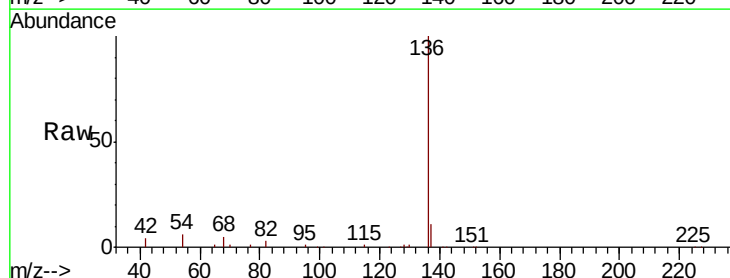
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.0

54 5.8 6.6 9.8#

68 5.3 6.0 9.0#

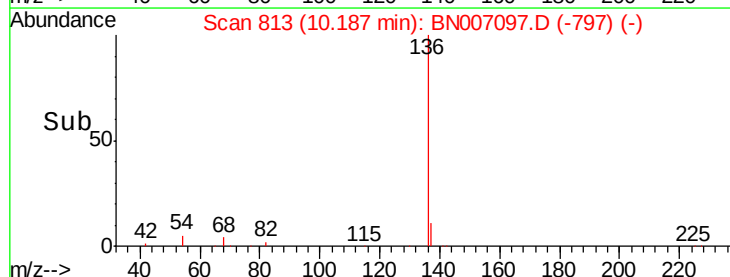
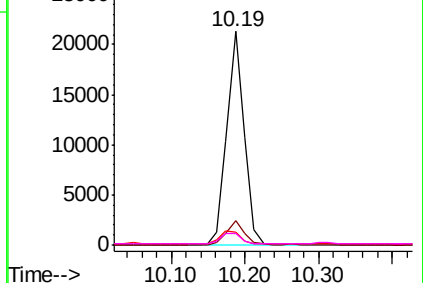


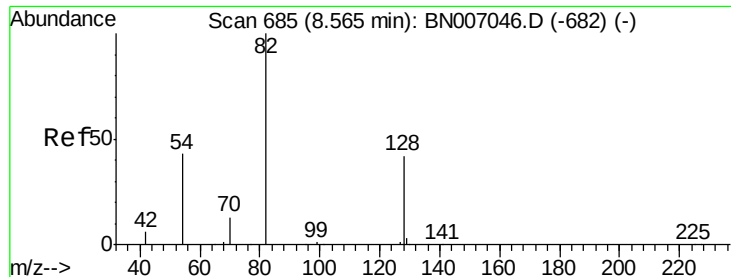
Abundance Ion 136.00 (135.70 to 136.70): BN007046.D (-804) (-)

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

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

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





#7

Nitrobenzene-d5

Concen: 0.292 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007097.D

Acq: 12 Aug 2019 14:41

Instrument :

BNA_N

ClientSampleId :

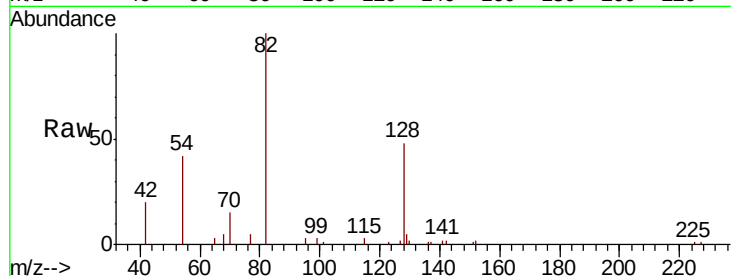
Tot Ion: 82 Resp: 8119

Ion Ratio Lower Upper

82 100

128 47.6 34.6 51.8

54 42.1 36.2 54.4

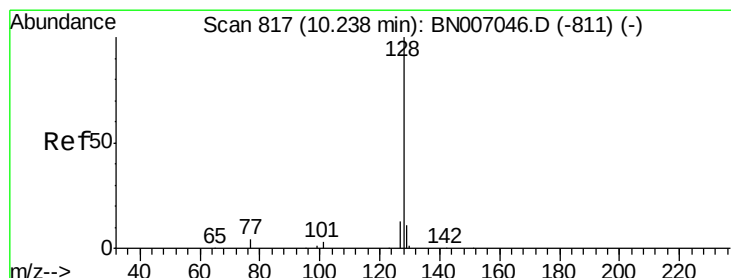
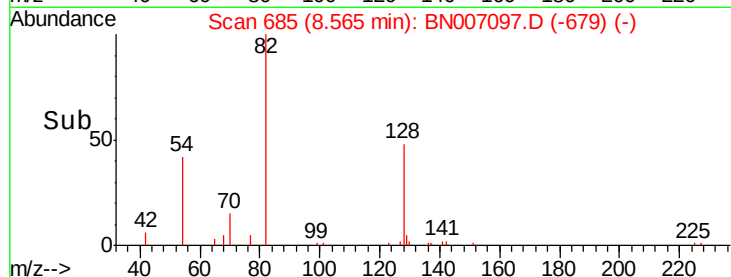
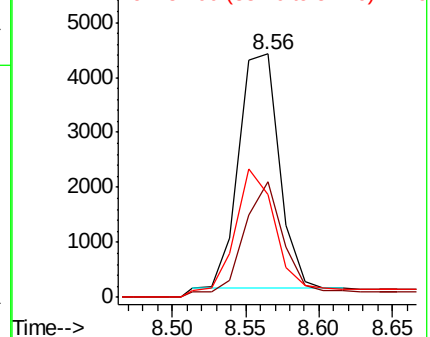


Abundance

Ion 82.00 (81.70 to 82.70): BN0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BN0



#8

Naphthalene

Concen: 0.266 ng

RT: 10.24 min Scan# 817

Delta R.T. -0.00 min

Lab File: BN007097.D

Acq: 12 Aug 2019 14:41

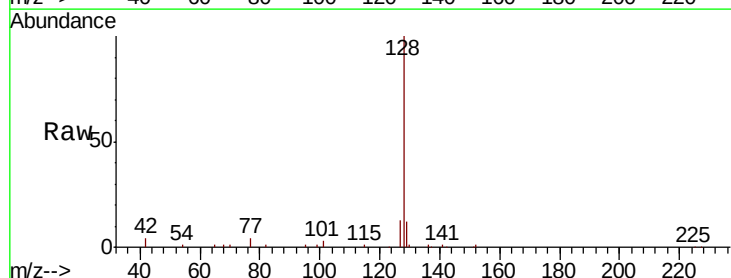
Tgt Ion: 128 Resp: 25674

Ion Ratio Lower Upper

128 100

129 11.6 9.4 14.2

127 13.1 11.0 16.6

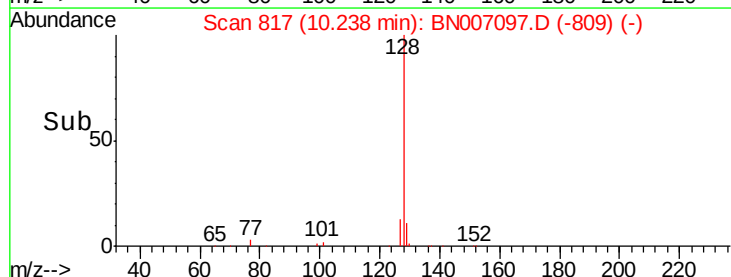
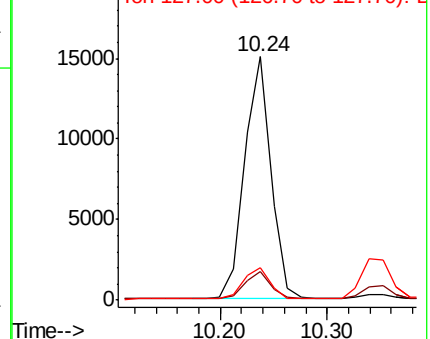


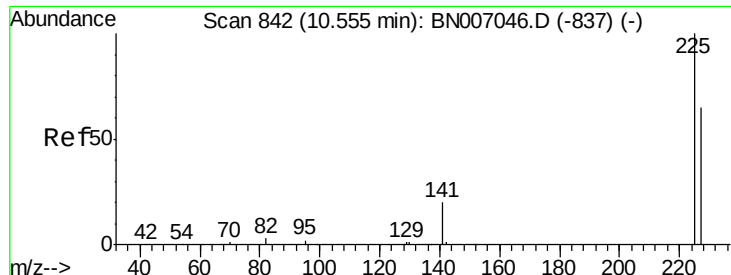
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

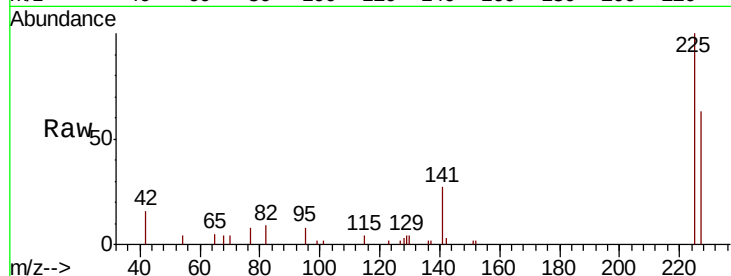




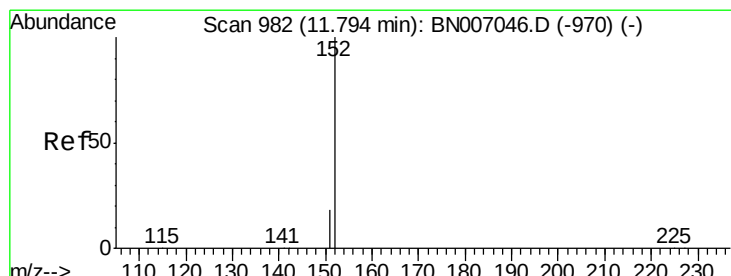
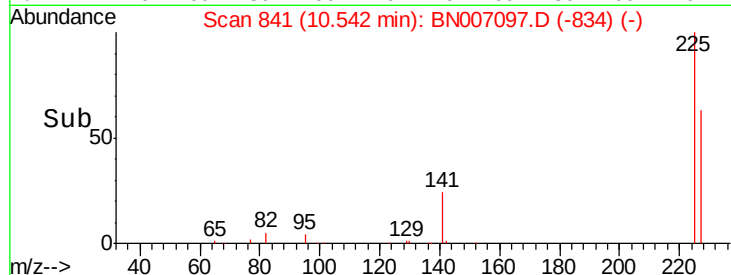
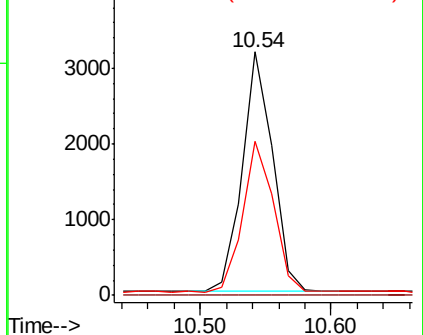
#9
Hexachlorobutadiene
Concen: 0.246 ng
RT: 10.54 min Scan# 841
Delta R.T. -0.01 min
Lab File: BN007097.D
Acq: 12 Aug 2019 14:41

Instrument :
BNA_N
ClientSampleId :

Tot Ion:225 Resp: 5069
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.1 51.1 76.7

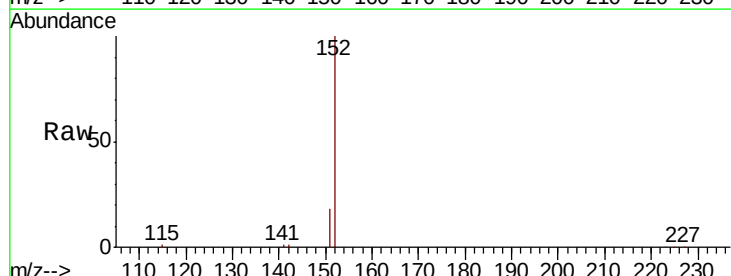


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

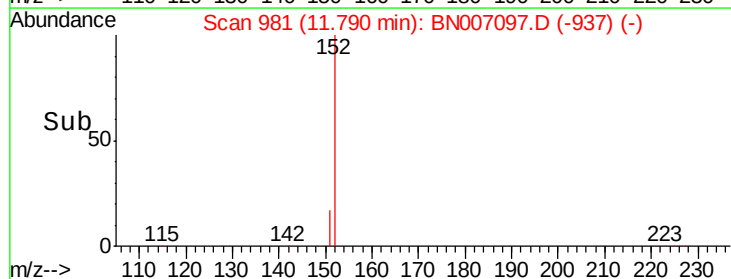
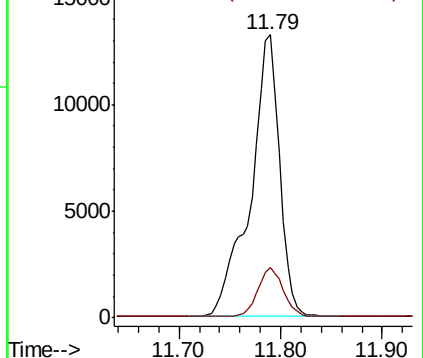


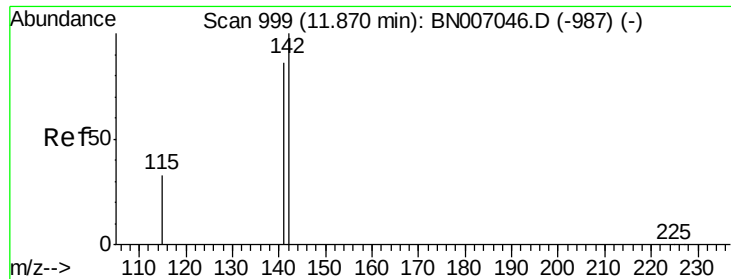
#10
2-Methylnaphthalene-d10
Concen: 0.411 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007097.D
Acq: 12 Aug 2019 14:41

Tgt Ion:152 Resp: 26436
Ion Ratio Lower Upper
152 100
151 15.3 15.5 23.3#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E

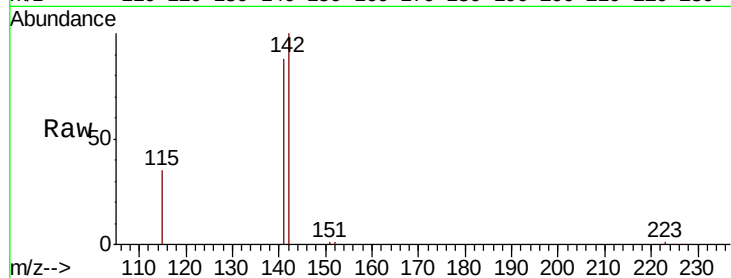




#11
2-Methylnaphthalene
Concen: 0.265 ng
RT: 11.86 min Scan# 997
Delta R.T. -0.01 min
Lab File: BN007097.D
Acq: 12 Aug 2019 14:41

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.0	69.0	103.6
115	34.6	27.1	40.7

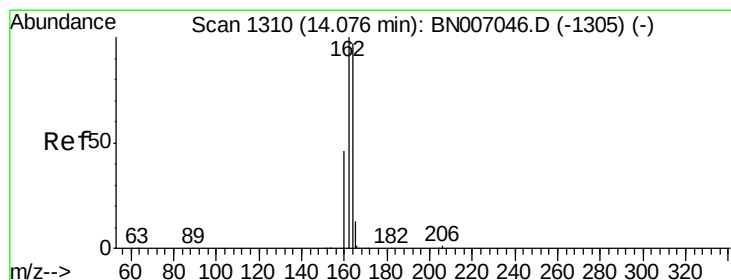
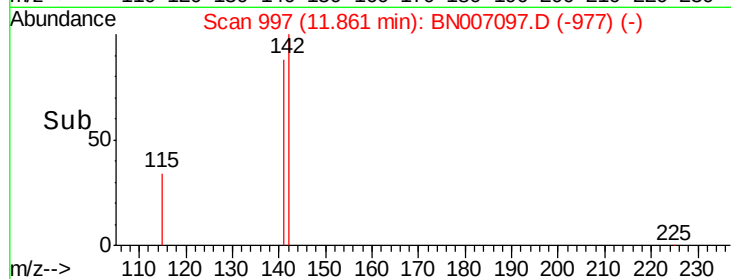
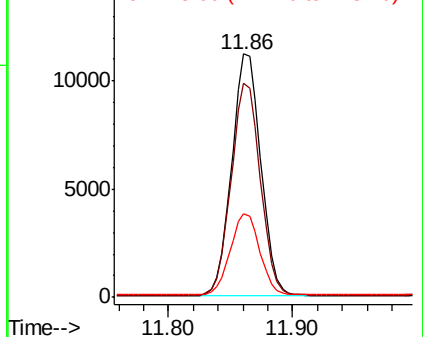


Abundance

Ion 142.00 (141.70 to 142.70): E

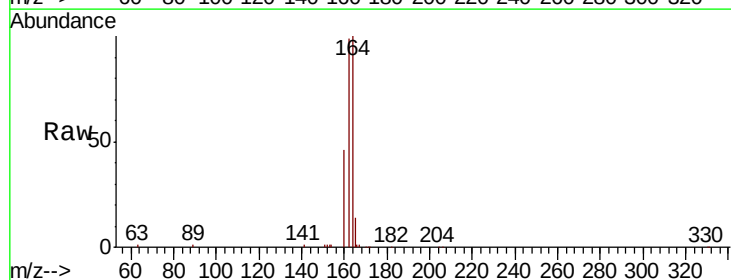
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007097.D
Acq: 12 Aug 2019 14:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.2	82.2	123.4
160	46.1	38.3	57.5

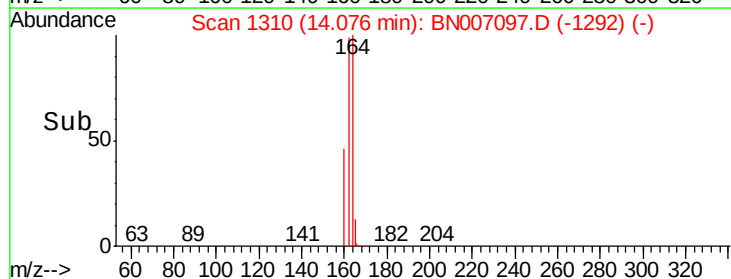
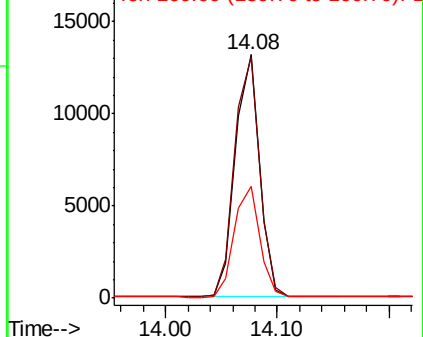


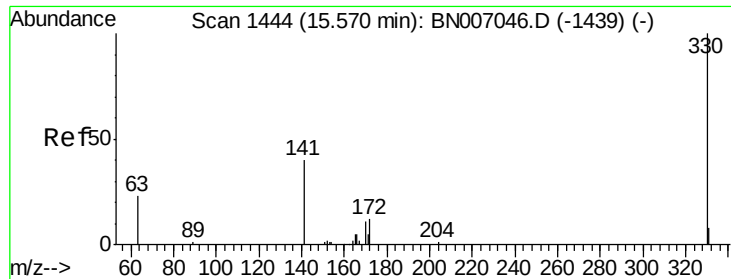
Abundance

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

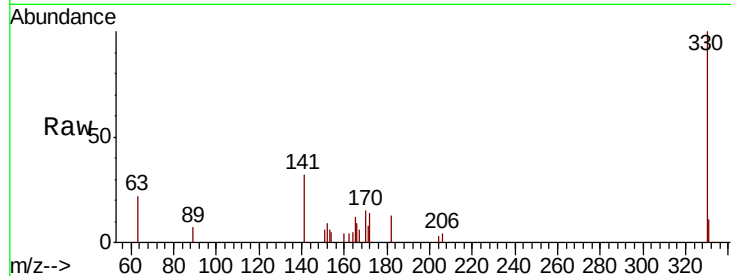




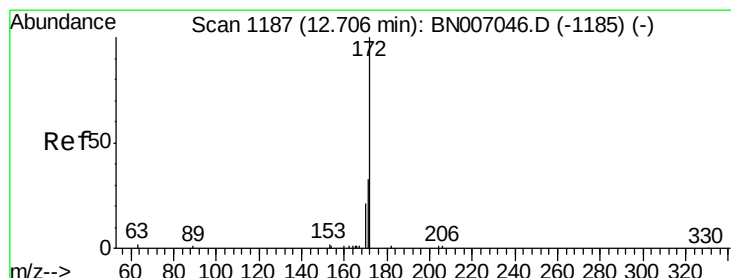
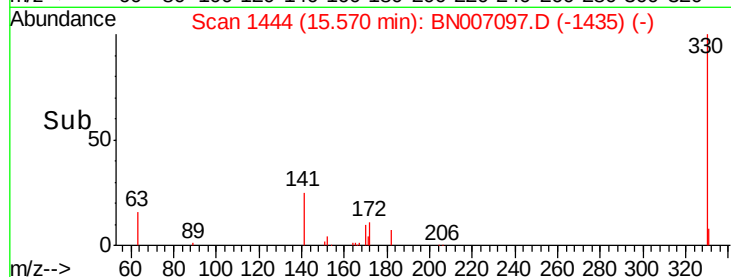
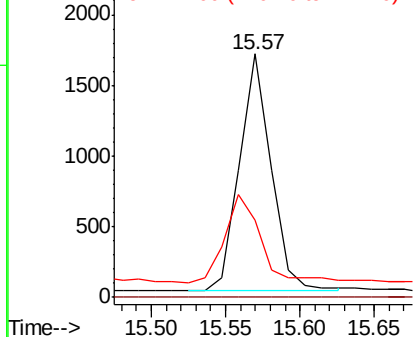
#13
 2,4,6-Tribromophenol
 Concen: 0.232 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007097.D
 Acq: 12 Aug 2019 14:41

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:330 Resp: 2469
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 42.0 33.6 50.4

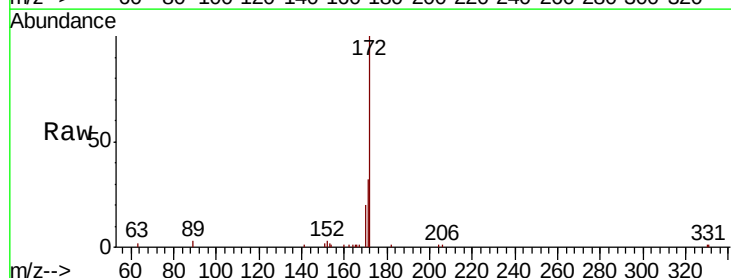


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

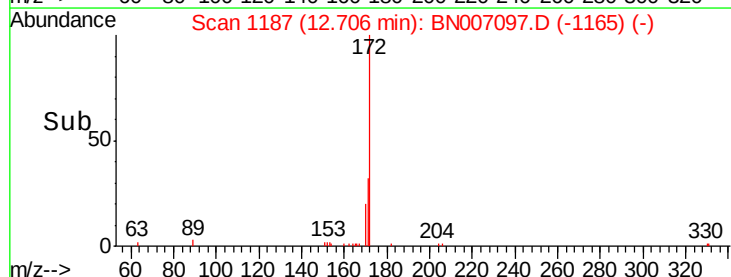
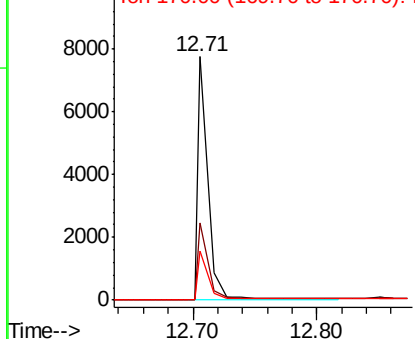


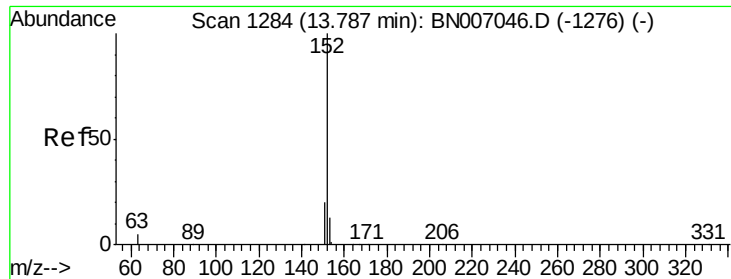
#14
 2-Fluorobiphenyl
 Concen: 0.193 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007097.D
 Acq: 12 Aug 2019 14:41

Tgt Ion:172 Resp: 5561
 Ion Ratio Lower Upper
 172 100
 171 31.7 26.3 39.5
 170 20.3 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: 0.280 ng

RT: 13.79 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BN007097.D

Acq: 12 Aug 2019 14:41

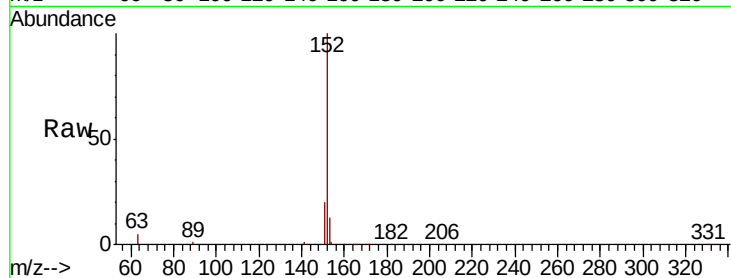
Instrument :

BNA_N

ClientSampleId :

Tot Ion:152 Resp: 28909

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	12.9	10.4	15.6

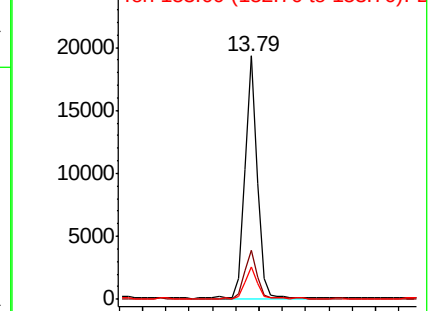


Abundance

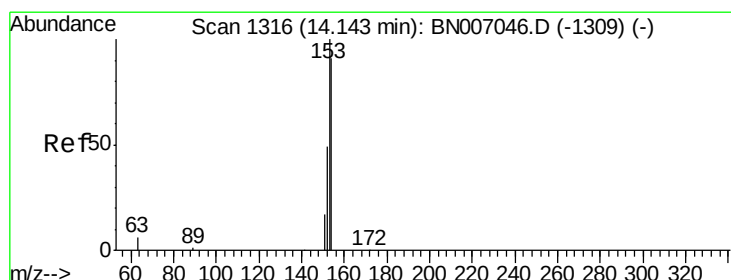
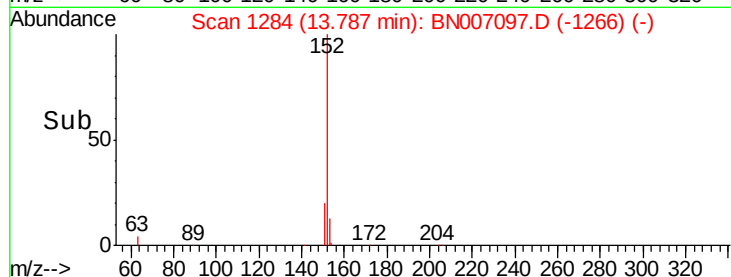
Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#16

Acenaphthene

Concen: 0.255 ng

RT: 14.13 min Scan# 1315

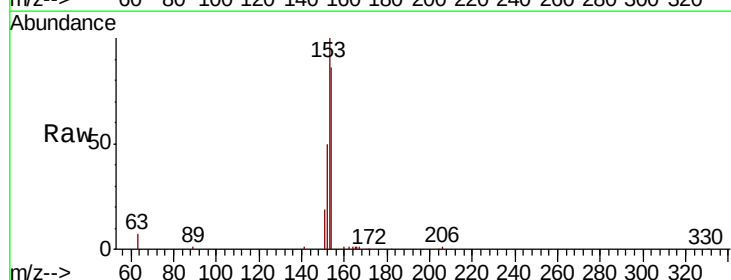
Delta R.T. -0.01 min

Lab File: BN007097.D

Acq: 12 Aug 2019 14:41

Tgt Ion:154 Resp: 16917

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.5	134.3
152	56.4	44.8	67.2

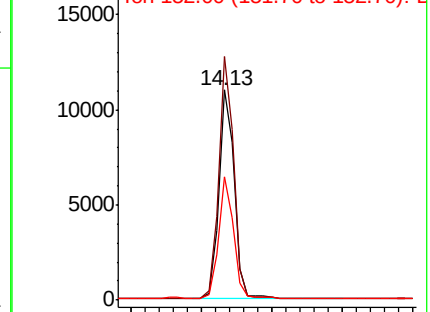


Abundance

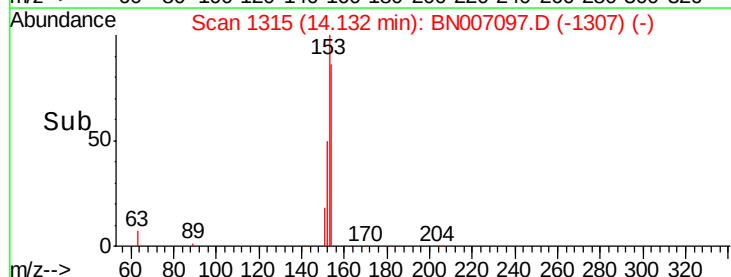
Ion 154.00 (153.70 to 154.70): E

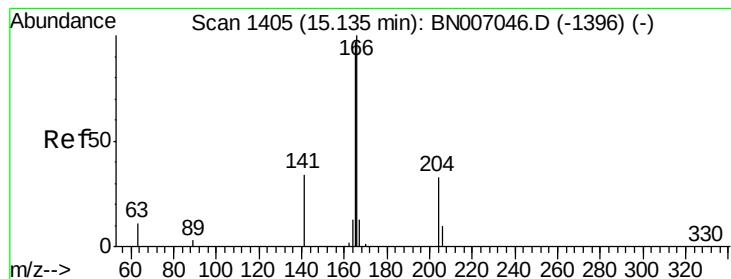
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->





#17

Fluorene

Concen: 0.224 ng

RT: 15.14 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BN007097.D

Acq: 12 Aug 2019 14:41

Instrument :

BNA_N

ClientSampleId :

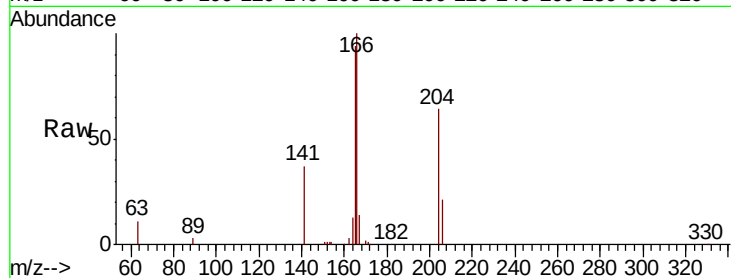
Tot Ion:166 Resp: 22251

Ion Ratio Lower Upper

166 100

165 98.7 77.9 116.9

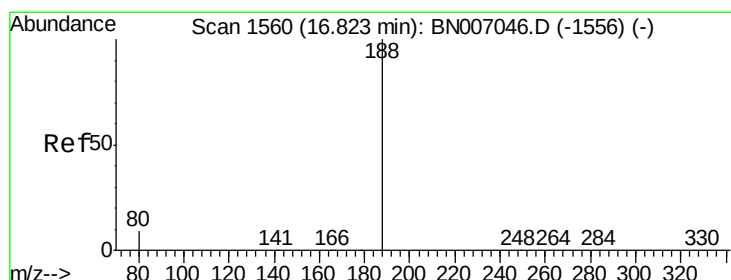
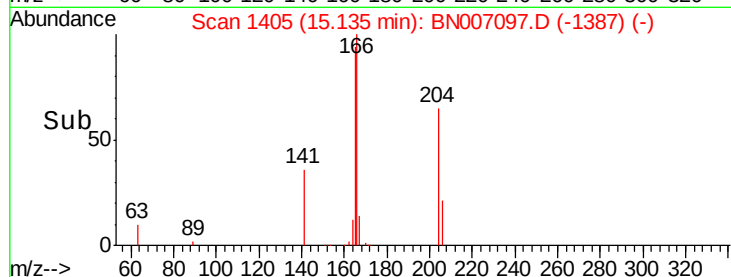
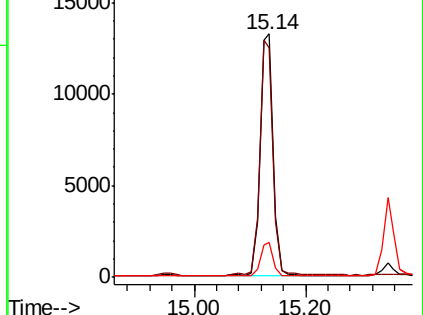
167 13.6 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN007097.D

Acq: 12 Aug 2019 14:41

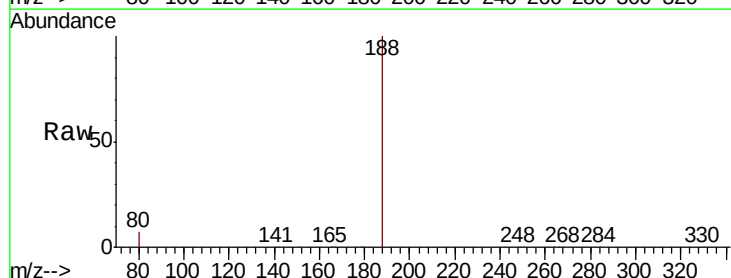
Tgt Ion:188 Resp: 49758

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

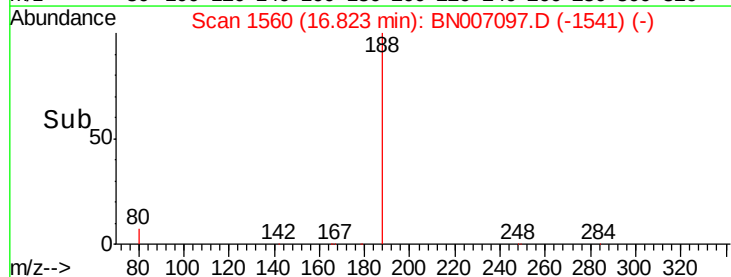
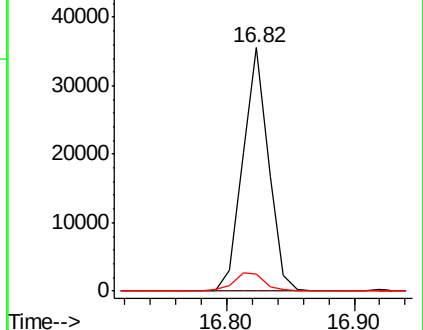
80 7.1 7.8 11.6#

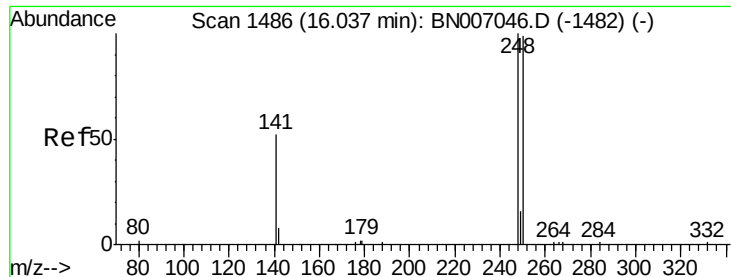


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

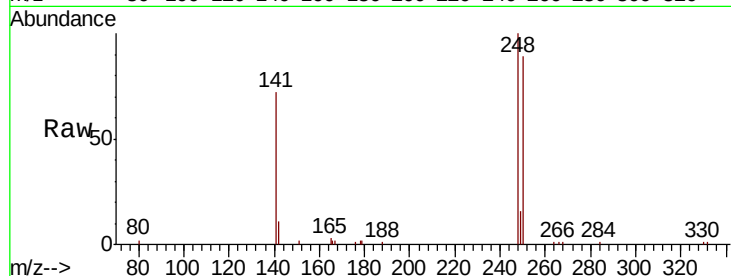




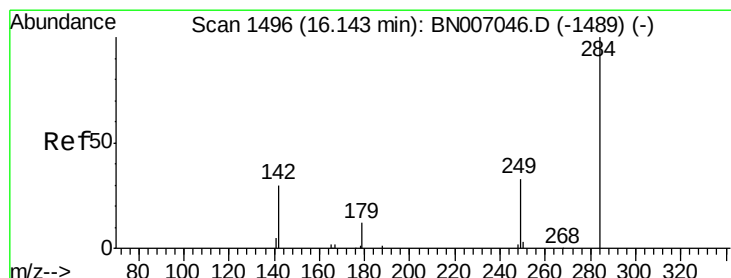
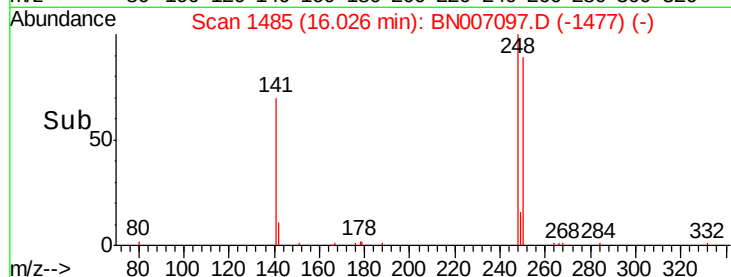
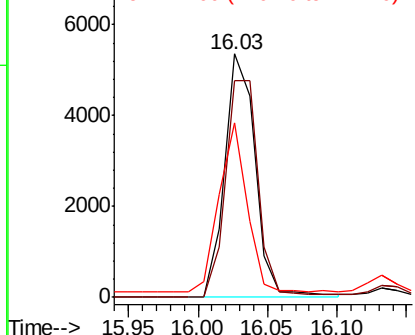
#19
4-Bromophenyl-phenylether
Concen: 0.265 ng
RT: 16.03 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BN007097.D
Acq: 12 Aug 2019 14:41

Instrument :
BNA_N
ClientSampleId :

Tot Ion:248 Resp: 8154
Ion Ratio Lower Upper
248 100
250 88.8 78.9 118.3
141 71.9 43.3 64.9#

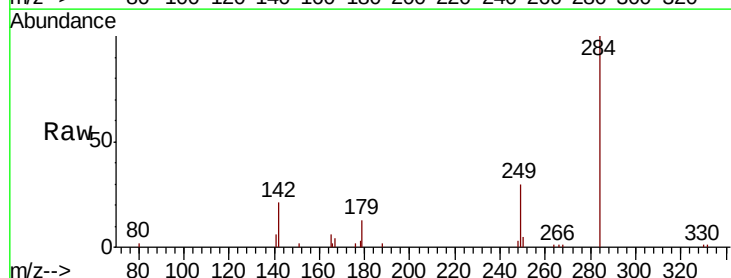


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

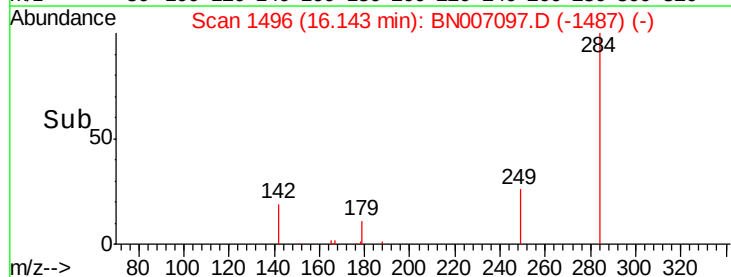
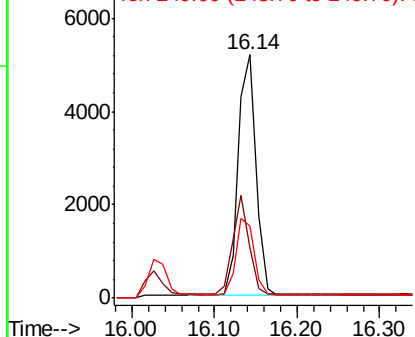


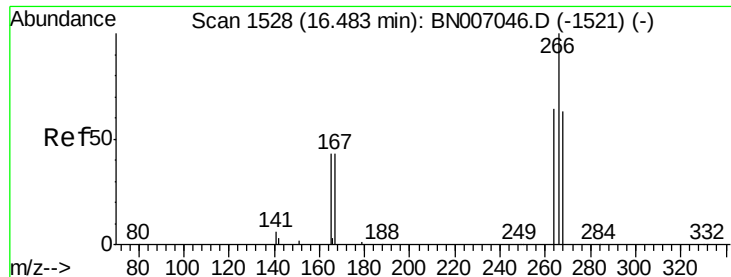
#20
Hexachlorobenzene
Concen: 0.262 ng
RT: 16.14 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BN007097.D
Acq: 12 Aug 2019 14:41

Tgt Ion:284 Resp: 7760
Ion Ratio Lower Upper
284 100
142 37.6 30.5 45.7
249 32.9 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

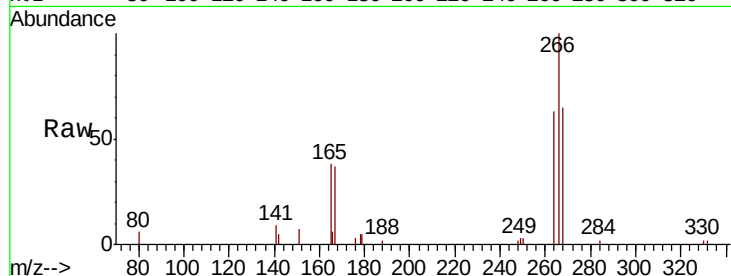




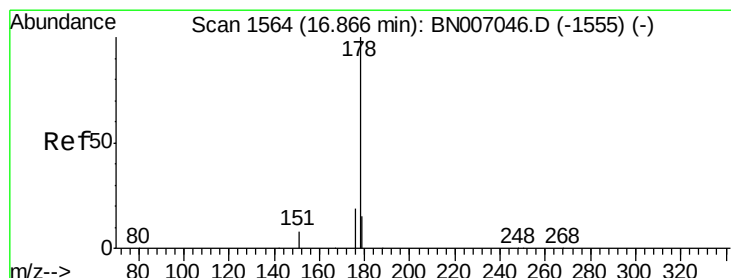
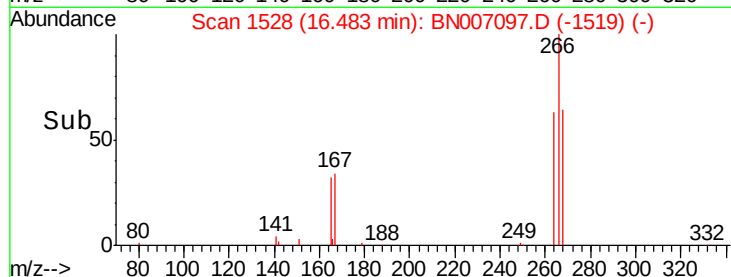
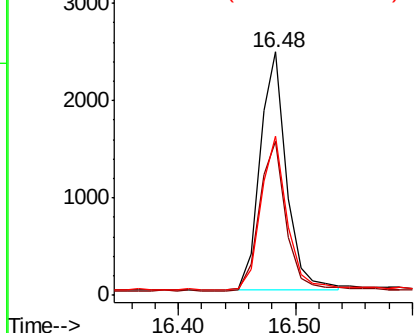
#21
 Pentachlorophenol
 Concen: 0.349 ng
 RT: 16.48 min Scan# 1528
 Delta R.T. -0.00 min
 Lab File: BN007097.D
 Acq: 12 Aug 2019 14:41

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
266	100		
264	63.3	52.3	78.5
268	65.1	51.5	77.3

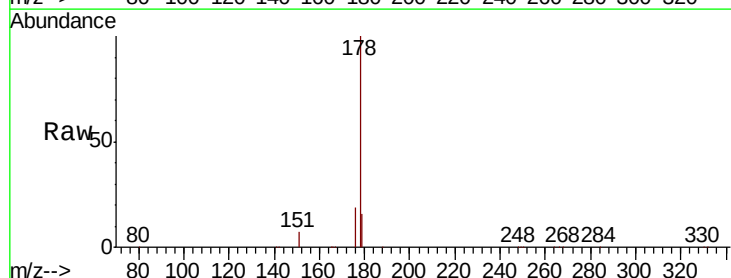


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

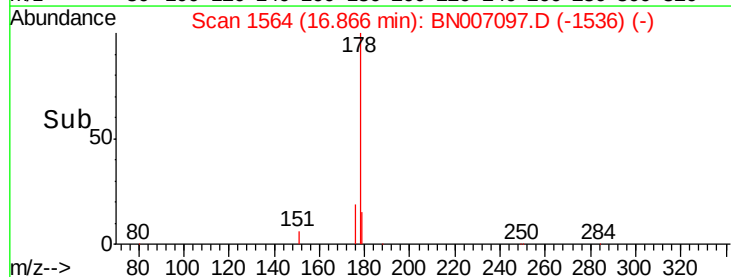
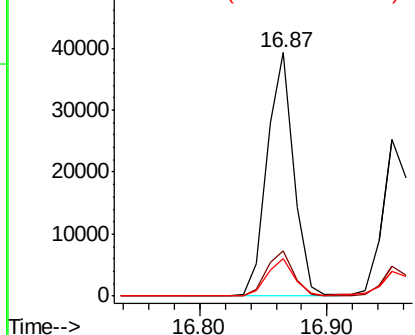


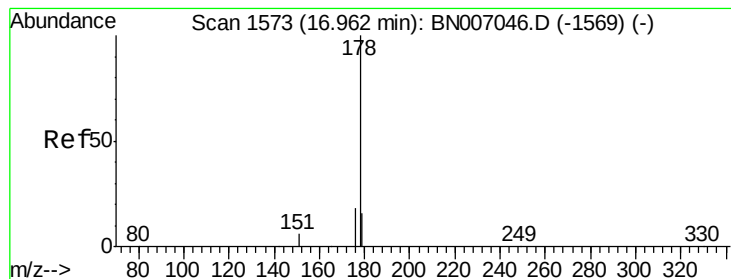
#22
 Phenanthrene
 Concen: 0.378 ng
 RT: 16.87 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BN007097.D
 Acq: 12 Aug 2019 14:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	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: 0.280 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007097.D

Acq: 12 Aug 2019 14:41

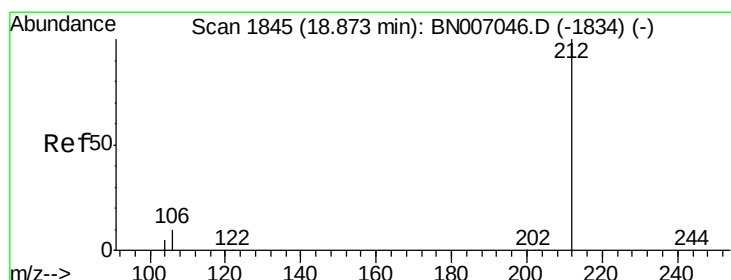
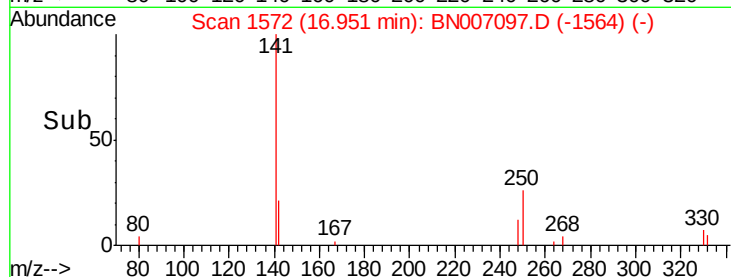
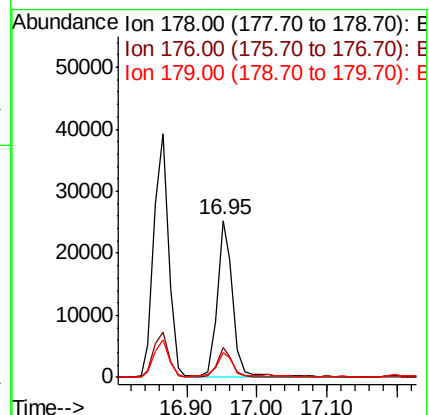
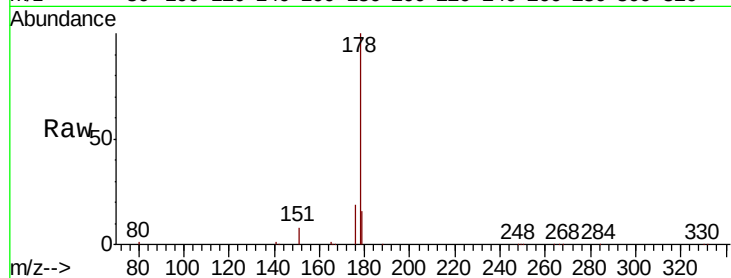
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 38204

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.4	12.5	18.7



#24

Fluoranthene-d10

Concen: 0.312 ng

RT: 18.87 min Scan# 1844

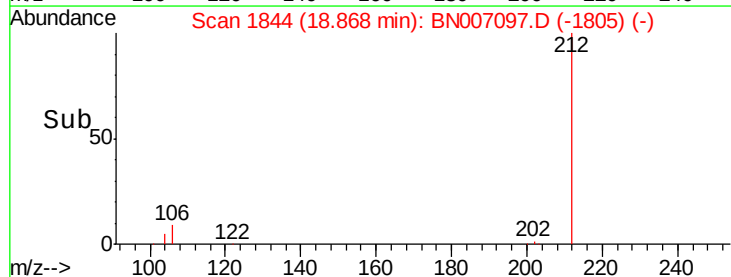
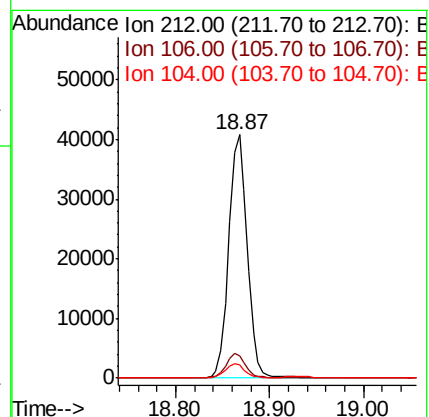
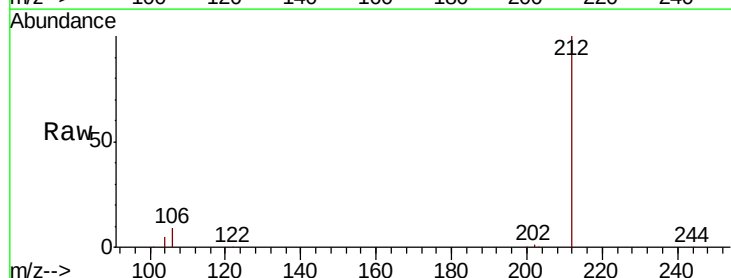
Delta R.T. -0.01 min

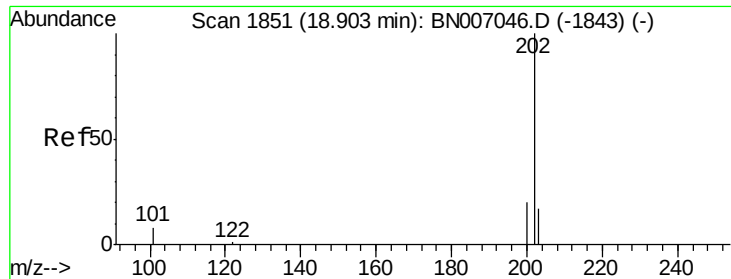
Lab File: BN007097.D

Acq: 12 Aug 2019 14:41

Tgt Ion:212 Resp: 55021

Ion	Ratio	Lower	Upper
212	100		
106	9.9	8.2	12.2
104	5.5	4.5	6.7





#25

Fluoranthene

Concen: 0.453 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007097.D

Acq: 12 Aug 2019 14:41

Instrument :

BNA_N

ClientSampleId :

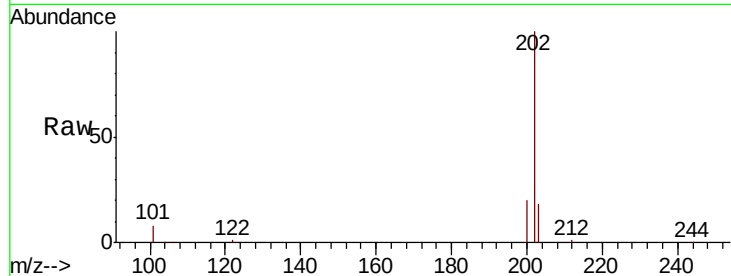
Tot Ion:202 Resp: 86504

Ion Ratio Lower Upper

202 100

101 8.6 7.0 10.4

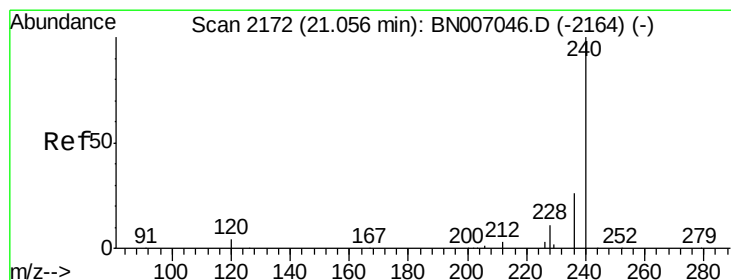
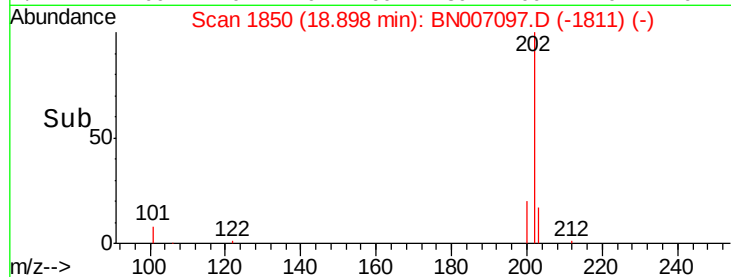
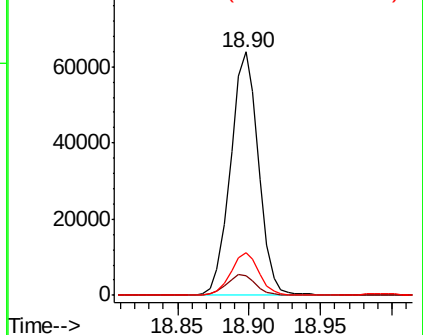
203 17.4 13.8 20.8



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: BN007097.D

Acq: 12 Aug 2019 14:41

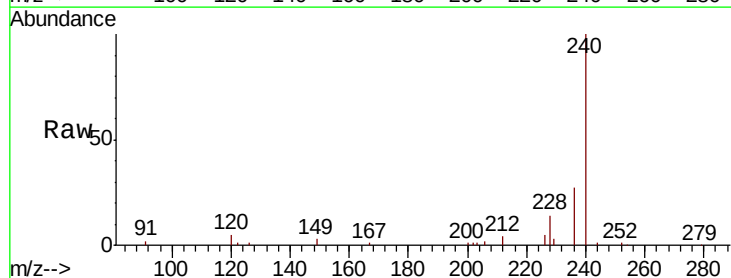
Tgt Ion:240 Resp: 50830

Ion Ratio Lower Upper

240 100

120 4.9 4.0 6.0

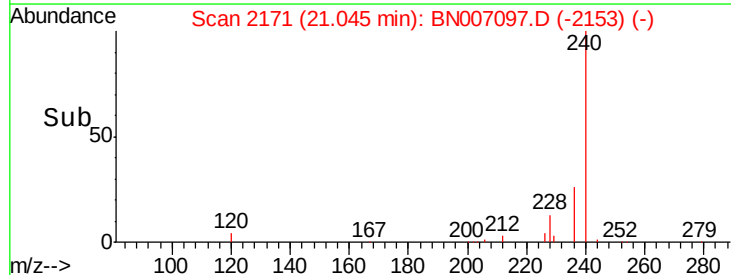
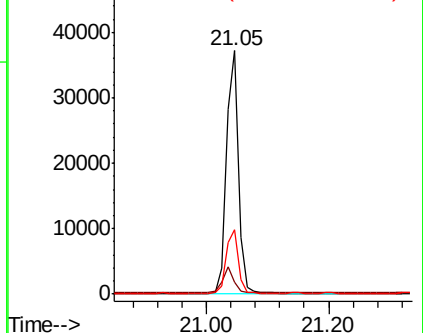
236 26.6 21.3 31.9

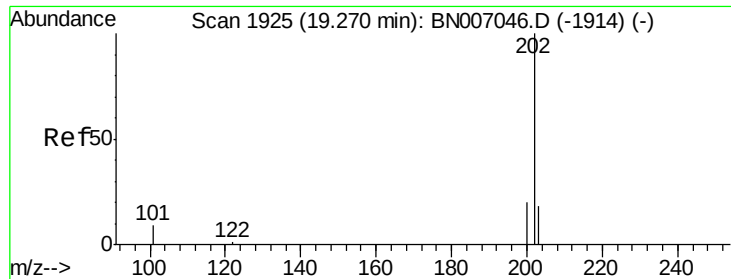


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

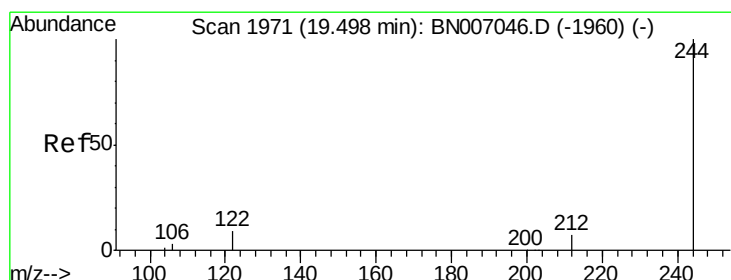
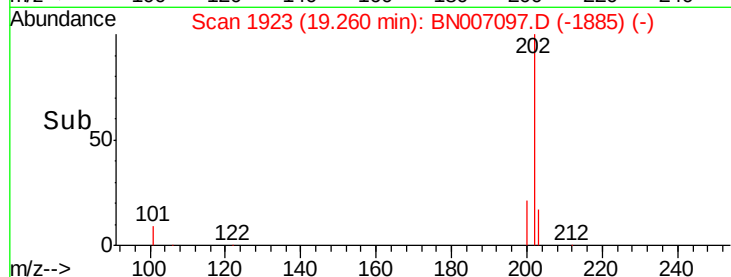
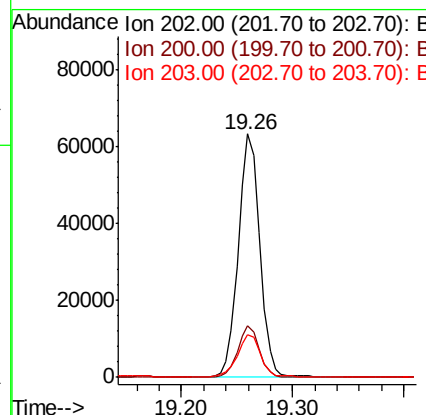
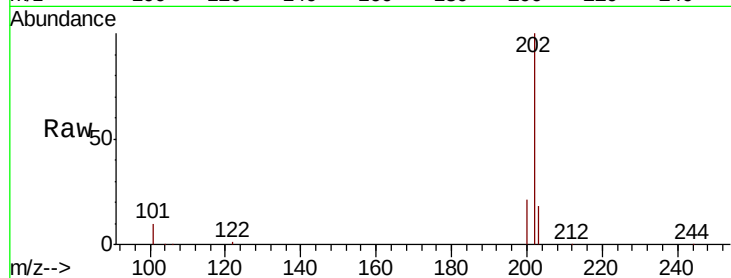




#27
Pvrene
Concen: 0.472 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007097.D
Acq: 12 Aug 2019 14:41

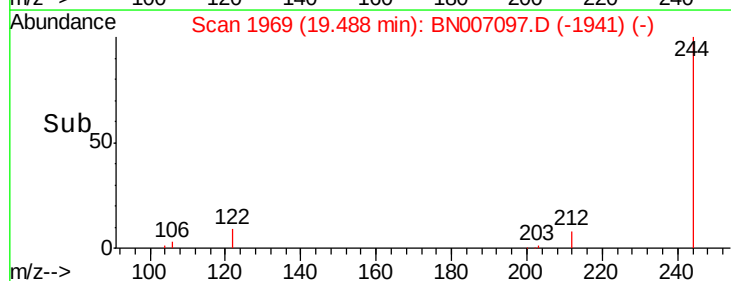
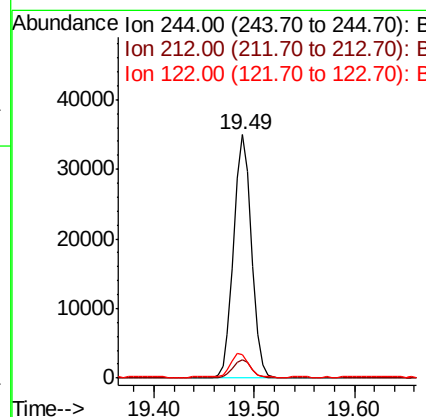
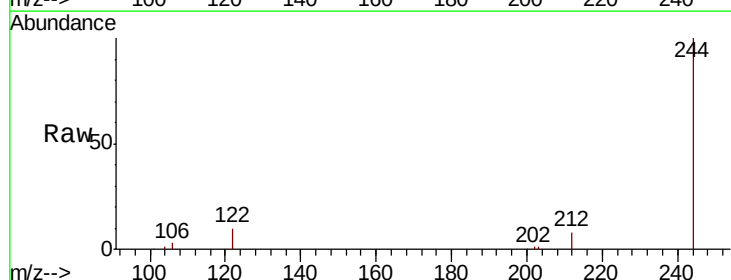
Instrument :
BNA_N
ClientSampleId :

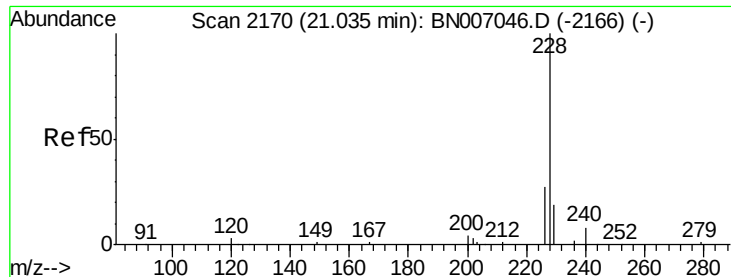
Tot Ion:202 Resp: 84216
Ion Ratio Lower Upper
202 100
200 20.8 16.6 24.8
203 18.5 14.0 21.0



#28
Terphenyl-d14
Concen: 0.306 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007097.D
Acq: 12 Aug 2019 14:41

Tgt Ion:244 Resp: 42396
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.2
122 9.8 7.4 11.2





#29

Benzo(a)anthracene

Concen: 0.325 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007097.D

Acq: 12 Aug 2019 14:41

Instrument :

BNA_N

ClientSampleId :

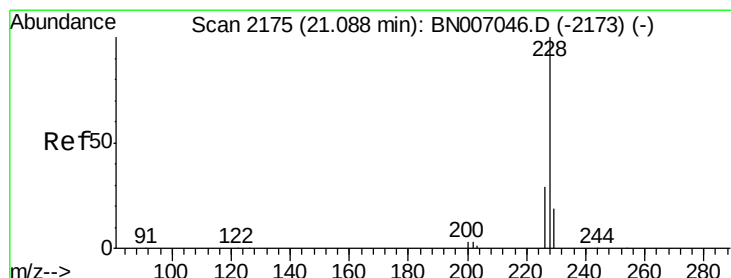
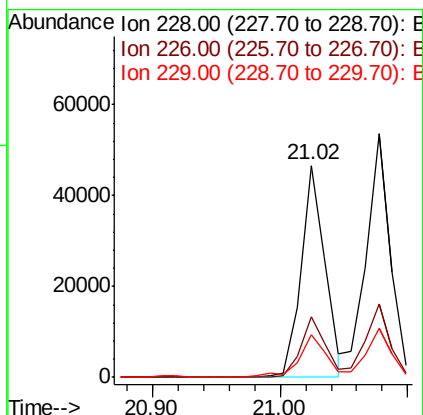
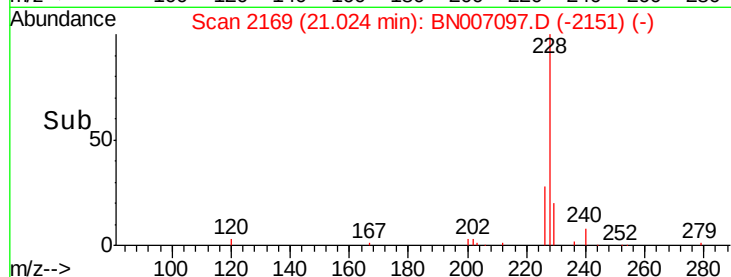
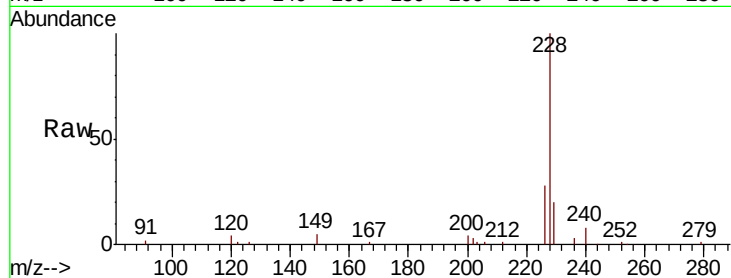
Tot Ion:228 Resp: 60333

Ion Ratio Lower Upper

228 100

226 28.4 21.8 32.6

229 20.2 15.6 23.4



#30

Chrysene

Concen: 0.383 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007097.D

Acq: 12 Aug 2019 14:41

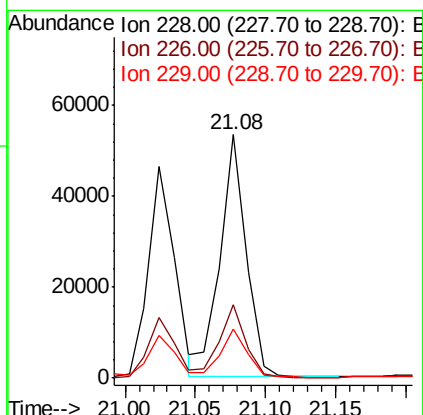
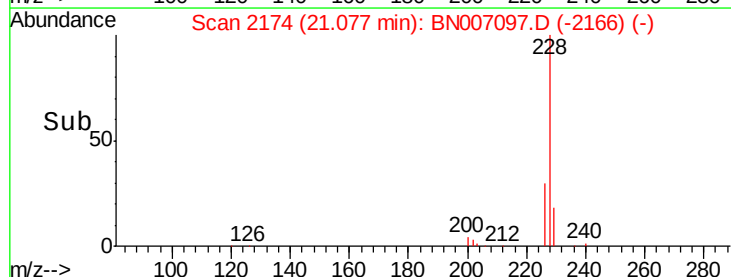
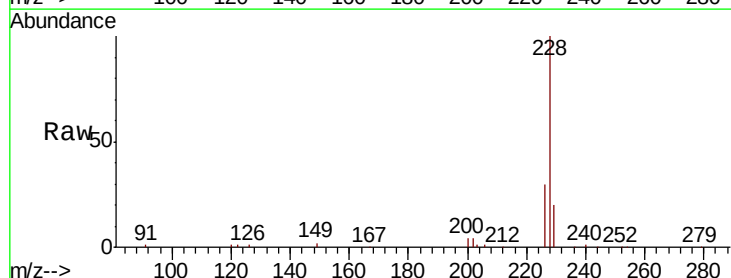
Tgt Ion:228 Resp: 69143

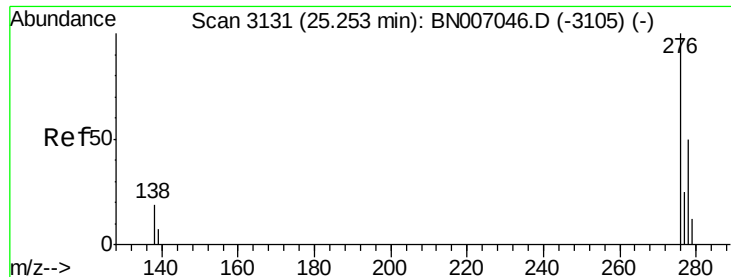
Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.6

229 20.1 15.7 23.5

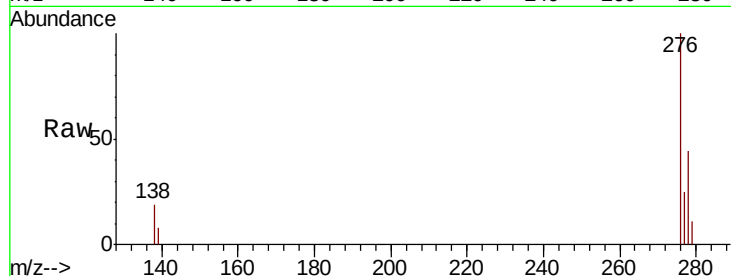




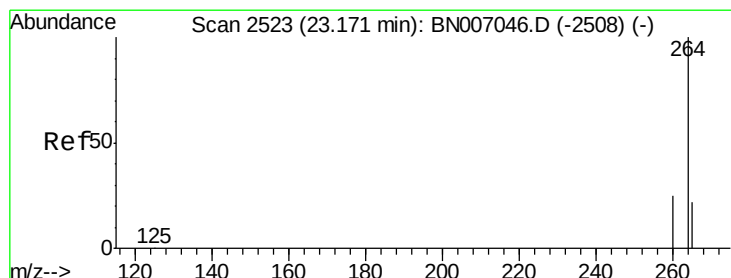
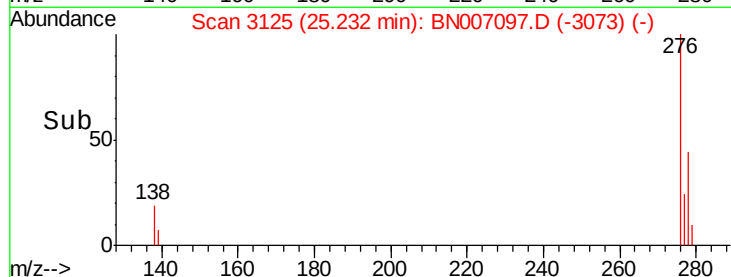
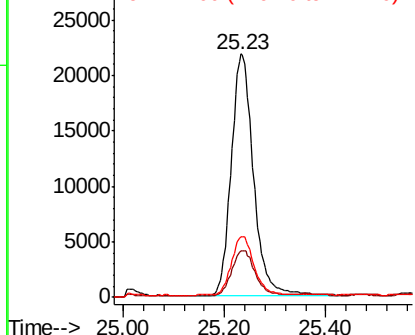
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.338 ng
 RT: 25.23 min Scan# 3125
 Delta R.T. -0.02 min
 Lab File: BN007097.D
 Acq: 12 Aug 2019 14:41

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.3	16.0	24.0
277	23.9	19.9	29.9

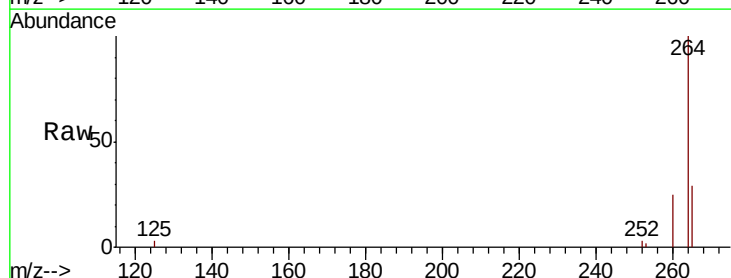


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

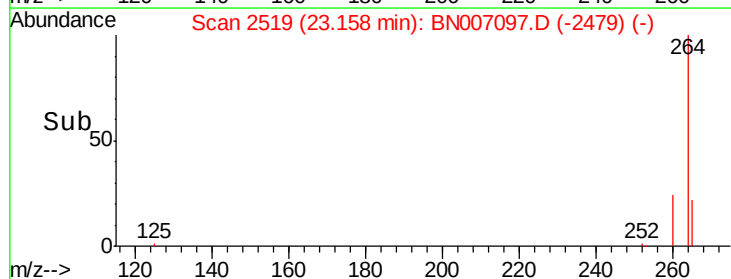
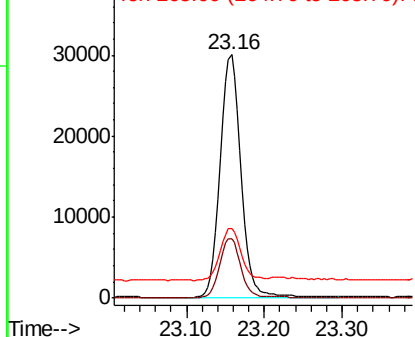


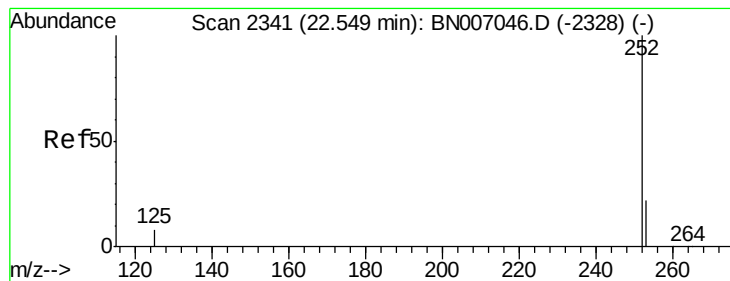
#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BN007097.D
 Acq: 12 Aug 2019 14:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.8	29.8
265	28.8	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: 0.381 ng

RT: 22.53 min Scan# 2337

Delta R.T. -0.01 min

Lab File: BN007097.D

Acq: 12 Aug 2019 14:41

Instrument :

BNA_N

ClientSampleId :

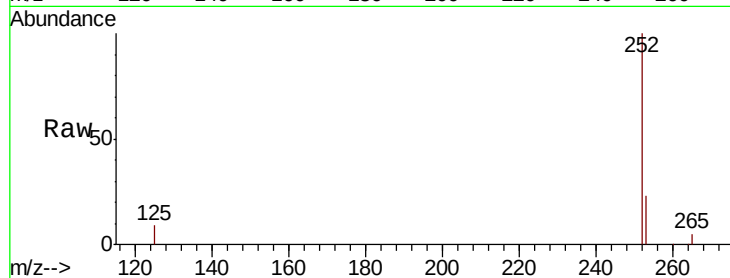
Tot Ion:252 Resp: 71680

Ion Ratio Lower Upper

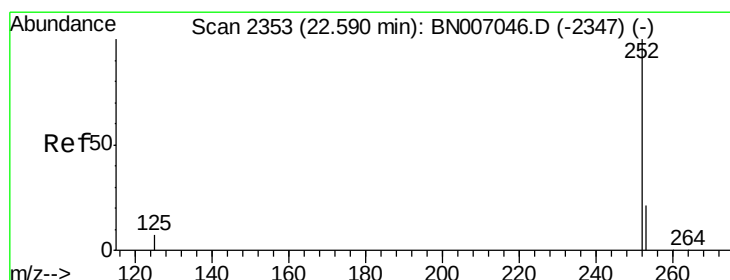
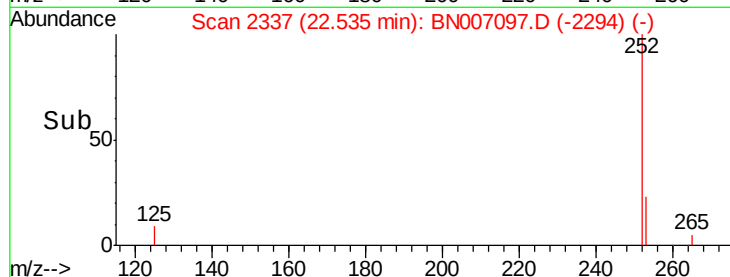
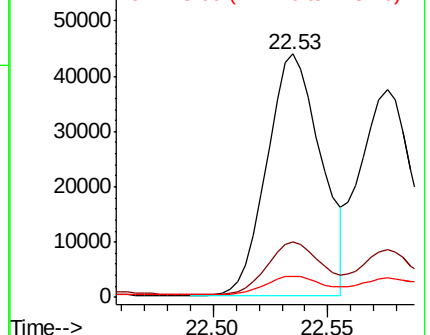
252 100

253 22.9 18.2 27.2

125 8.6 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: 0.340 ng

RT: 22.58 min Scan# 2349

Delta R.T. -0.01 min

Lab File: BN007097.D

Acq: 12 Aug 2019 14:41

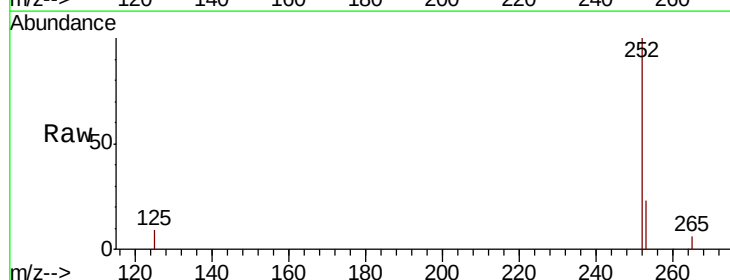
Tgt Ion:252 Resp: 63319

Ion Ratio Lower Upper

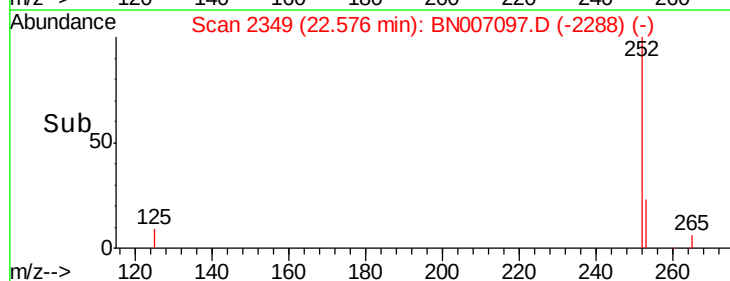
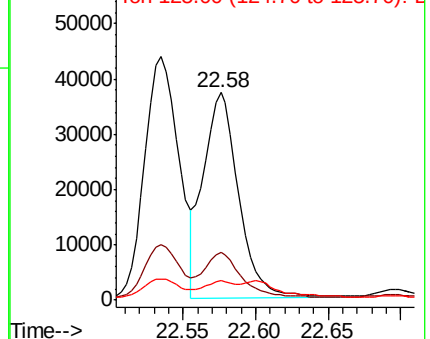
252 100

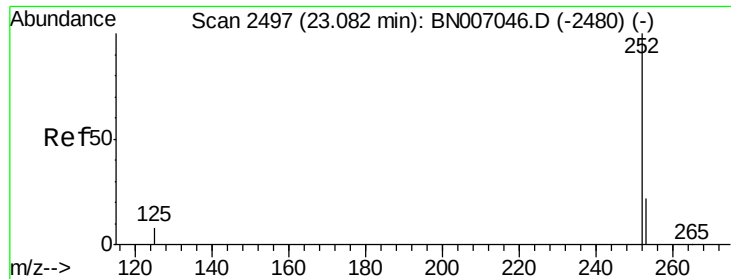
253 23.1 18.1 27.1

125 9.2 7.4 11.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.333 ng

RT: 23.07 min Scan# 2492

Delta R.T. -0.02 min

Lab File: BN007097.D

Acq: 12 Aug 2019 14:41

Instrument :

BNA_N

ClientSampleId :

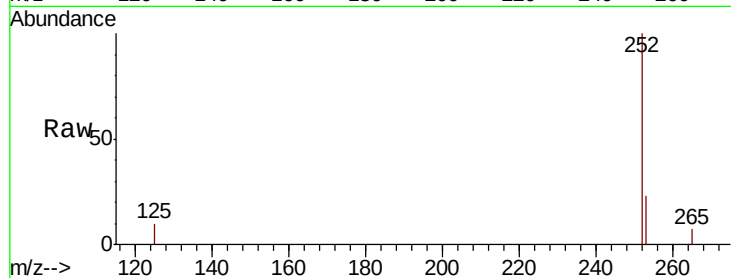
Tot Ion:252 Resp: 56883

Ion Ratio Lower Upper

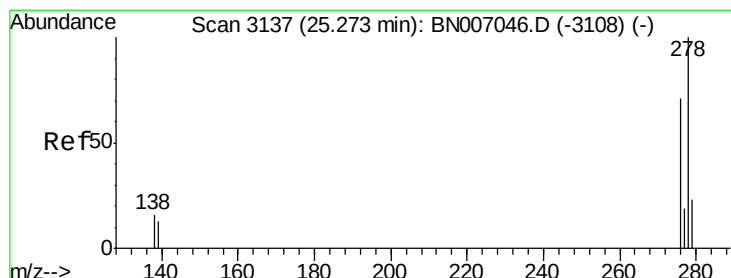
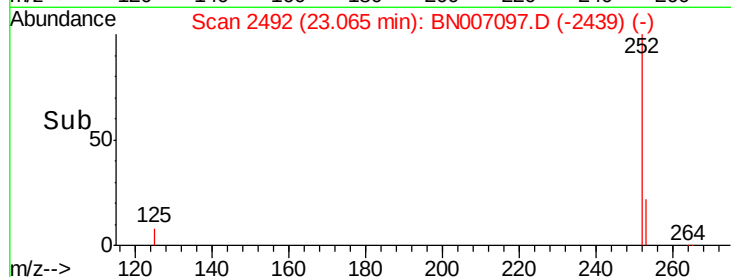
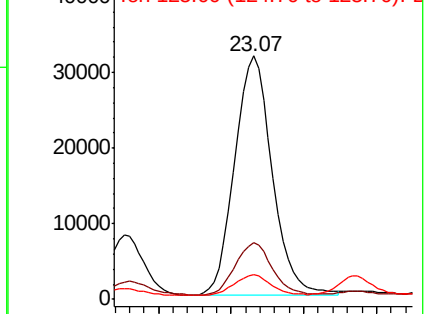
252 100

253 23.2 18.5 27.7

125 10.0 8.2 12.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Dibenzo(a,h)anthracene

Concen: 0.281 ng

RT: 25.25 min Scan# 3130

Delta R.T. -0.02 min

Lab File: BN007097.D

Acq: 12 Aug 2019 14:41

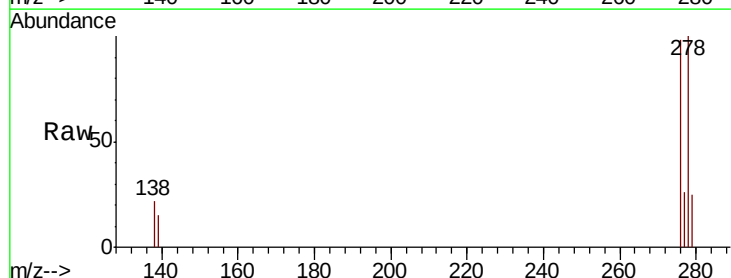
Tgt Ion:278 Resp: 47850

Ion Ratio Lower Upper

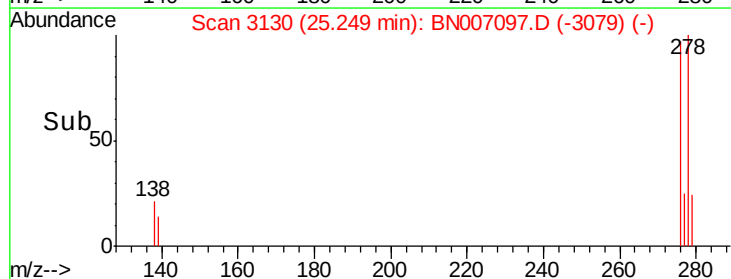
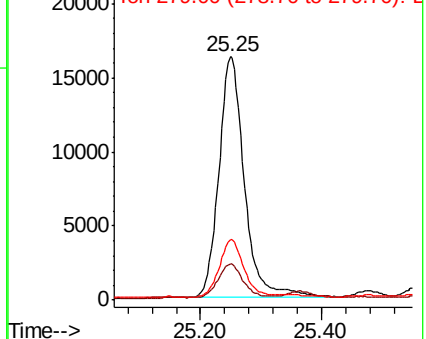
278 100

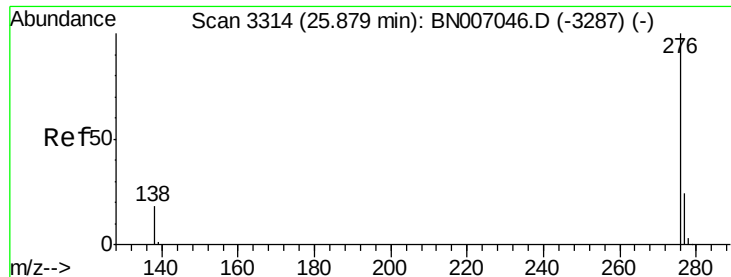
139 15.0 11.3 16.9

279 24.8 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: 0.337 ng

RT: 25.85 min Scan# 3307

Delta R.T. -0.02 min

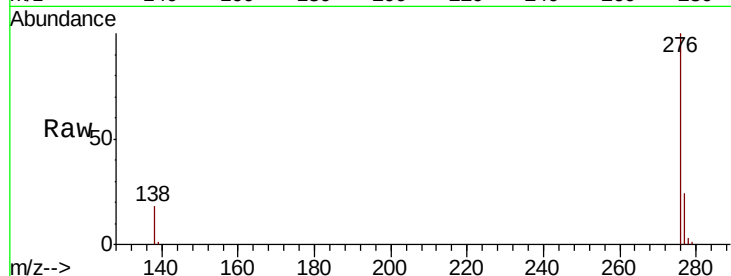
Lab File: BN007097.D

Acq: 12 Aug 2019 14:41

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 58995

Ion Ratio Lower Upper

276 100

277 24.3 19.8 29.8

138 18.1 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

