

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081319\
 Data File : BN007141.D
 Acq On : 13 Aug 2019 20:43
 Operator : HP/JU
 Sample : K4173-09MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 14 03:14:06 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	10053	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	39888	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	22570	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	51154	0.40	ng	0.00
26) Chrysene-d12	21.05	240	49269	0.40	ng	-0.01
32) Perylene-d12	23.16	264	54734	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	5684	0.24	ng	0.00
4) Phenol-d6	6.62	99	7695	0.26	ng	0.00
7) Nitrobenzene-d5	8.56	82	6306	0.20	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	15014	0.20	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	2226	0.18	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	3603	0.11	ng	0.00
24) Fluoranthene-d10	18.87	212	28922	0.16	ng	0.00
28) Terphenyl-d14	19.49	244	22160	0.17	ng	-0.01

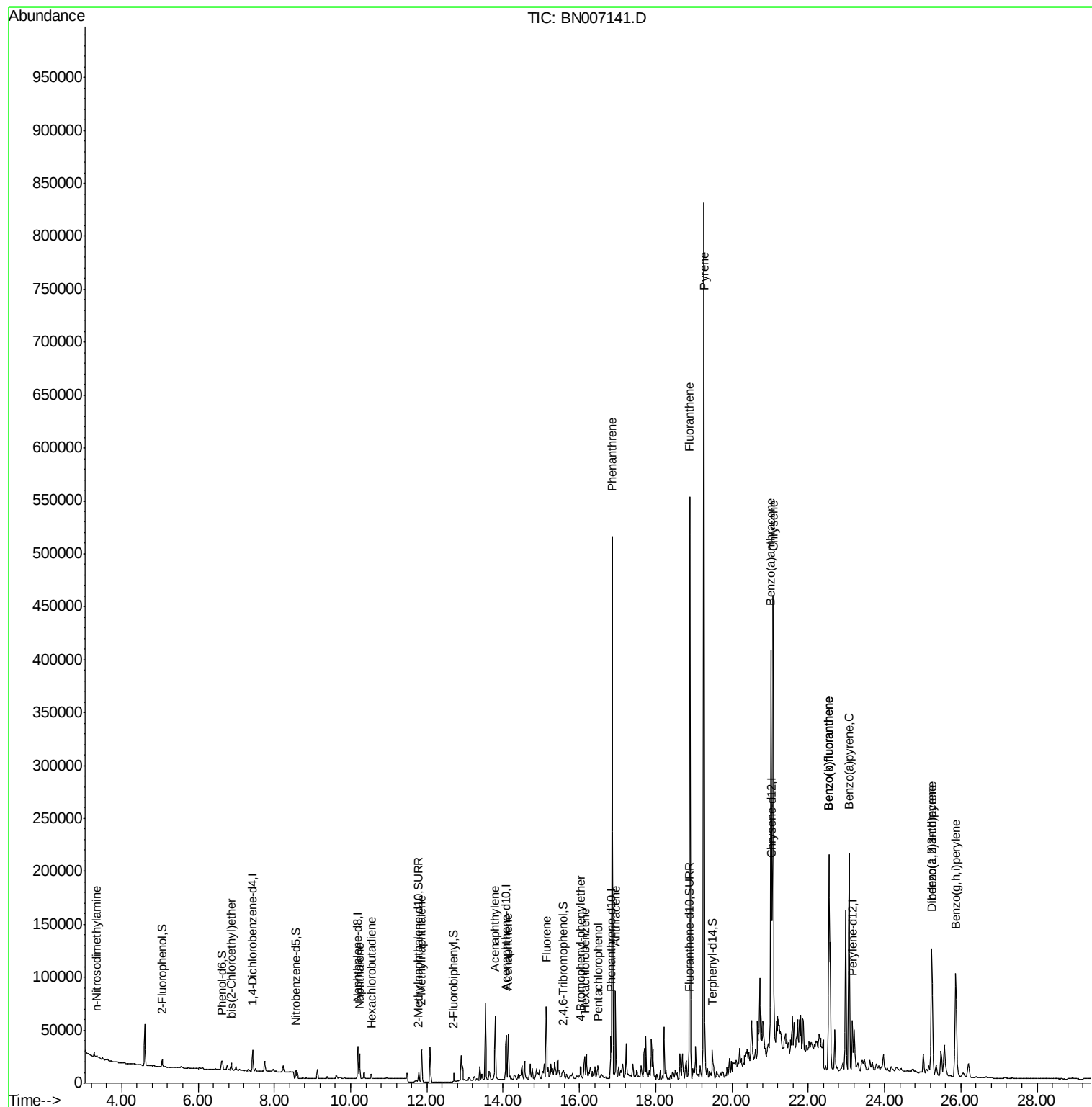
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.34	42	1381	0.209	ng	# 87
5) bis(2-Chloroethyl)ether	6.87	93	5917	0.224	ng	97
8) Naphthalene	10.24	128	29700	0.266	ng	99
9) Hexachlorobutadiene	10.54	225	3964	0.166	ng	# 100
11) 2-Methylnaphthalene	11.86	142	22104	0.279	ng	97
15) Acenaphthylene	13.79	152	74112	0.628	ng	99
16) Acenaphthene	14.13	154	23641	0.313	ng	97
17) Fluorene	15.13	166	38589	0.341	ng	93
19) 4-Bromophenyl-phenylether	16.03	248	6124	0.194	ng	# 78
20) Hexachlorobenzene	16.14	284	5290	0.174	ng	98
21) Pentachlorophenol	16.48	266	2910	0.257	ng	99
22) Phenanthrene	16.87	178	504471	3.291	ng	100
23) Anthracene	16.95	178	86533	0.618	ng	98
25) Fluoranthene	18.90	202	500285	2.551	ng	99
27) Pyrene	19.26	202	781556	4.523	ng	97
29) Benzo(a)anthracene	21.02	228	331222	1.838	ng	94
30) Chrysene	21.08	228	396469	2.265	ng	97
31) Indeno(1,2,3-cd)pyrene	25.24	276	175979	0.912	ng	99
33) Benzo(b)fluoranthene	22.54	252	314568	1.676	ng	99
34) Benzo(k)fluoranthene	22.54	252	314568	1.697	ng	99
35) Benzo(a)pyrene	23.07	252	276319	1.624	ng	99
36) Dibenzo(a,h)anthracene	25.25	278	72406	0.426	ng	# 90
37) Benzo(g,h,i)perylene	25.87	276	193456	1.108	ng	99

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

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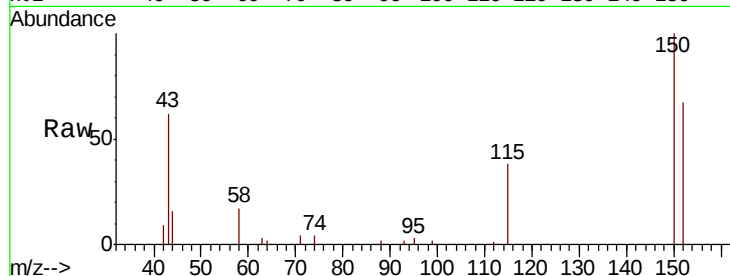


#1

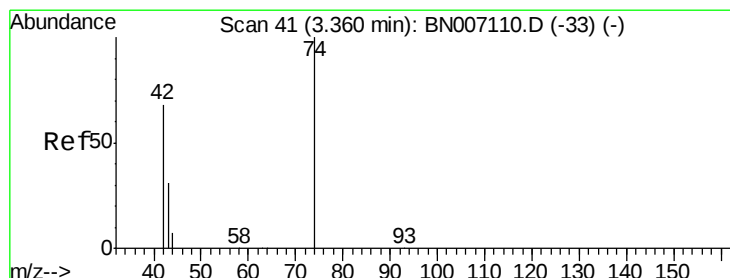
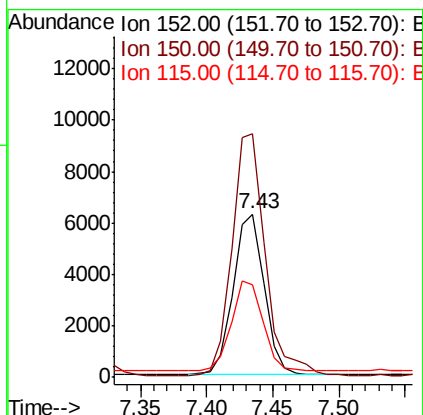
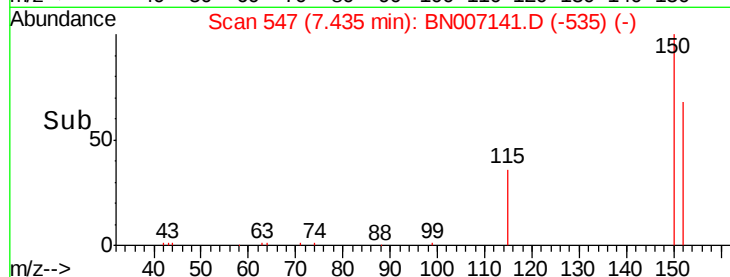
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 10053
Ion Ratio Lower Upper
152 100
150 148.9 121.7 182.5
115 57.0 46.2 69.4



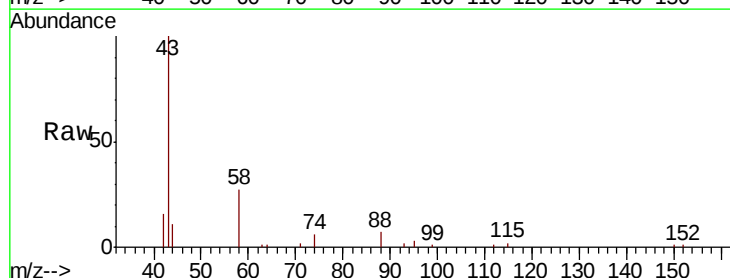
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



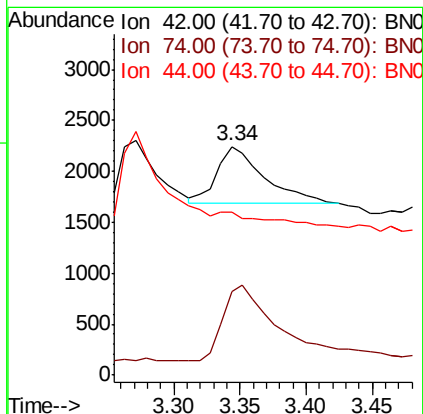
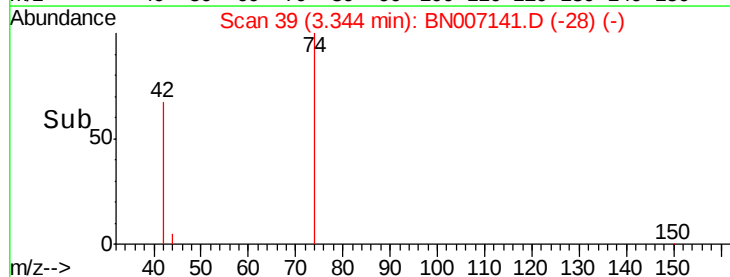
#2

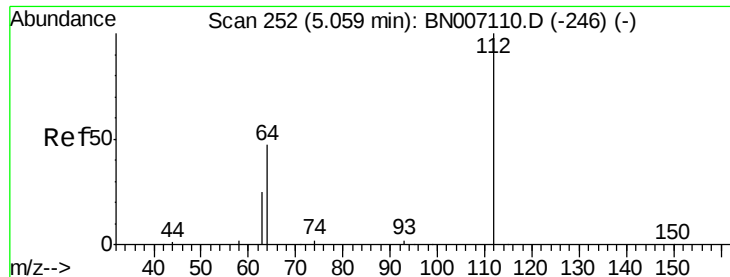
n-Nitrosodimethylamine
Concen: 0.209 ng
RT: 3.34 min Scan# 39
Delta R.T. -0.02 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Tgt Ion: 42 Resp: 1381
Ion Ratio Lower Upper
42 100
74 154.1 110.6 166.0
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: 0.235 ng

RT: 5.06 min Scan# 252

Delta R.T. -0.00 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA_N

ClientSampled :

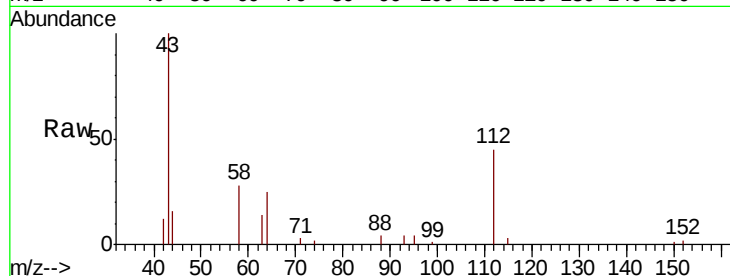
Tot Ion: 112 Resp: 5684

Ion Ratio Lower Upper

112 100

64 52.1 42.6 63.8

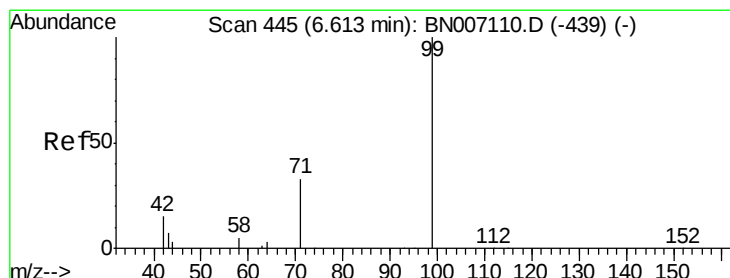
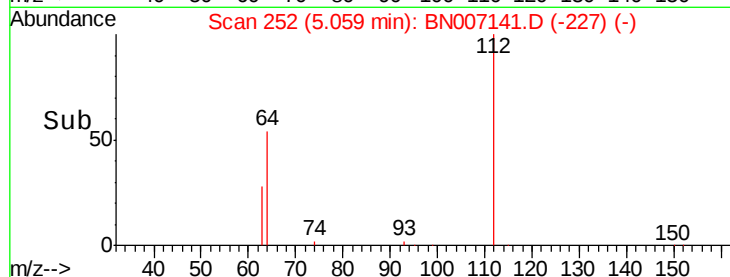
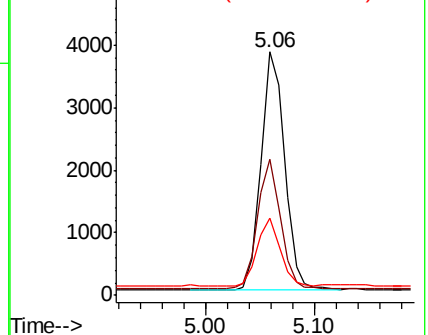
63 28.1 22.2 33.2



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: 0.257 ng

RT: 6.62 min Scan# 446

Delta R.T. 0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

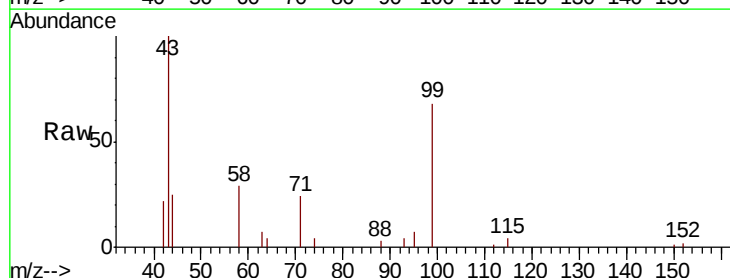
Tgt Ion: 99 Resp: 7695

Ion Ratio Lower Upper

99 100

42 24.5 15.8 23.6#

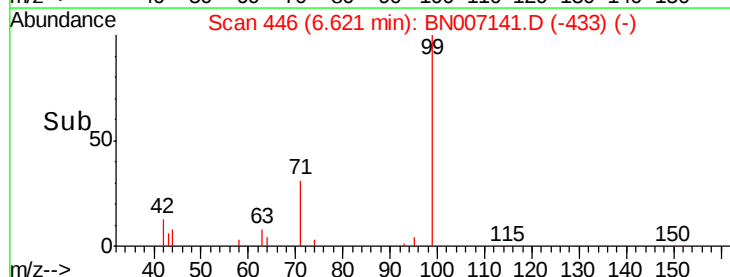
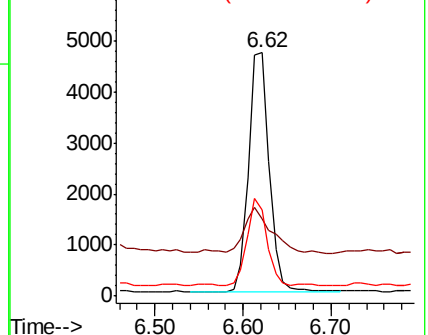
71 34.9 27.0 40.4

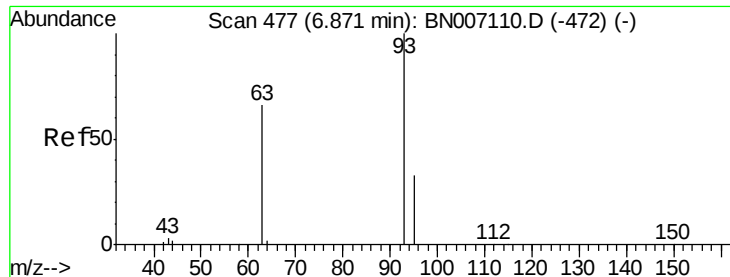


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#5

bis(2-Chloroethyl)ether

Concen: 0.224 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.00 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA_N

ClientSampleId :

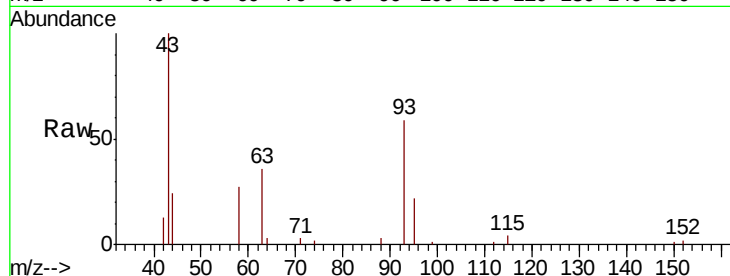
Tot Ion: 93 Resp: 5917

Ion Ratio Lower Upper

93 100

63 66.5 55.6 83.4

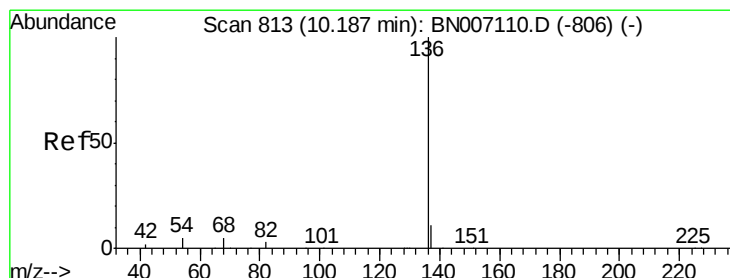
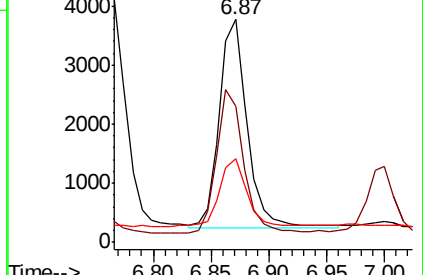
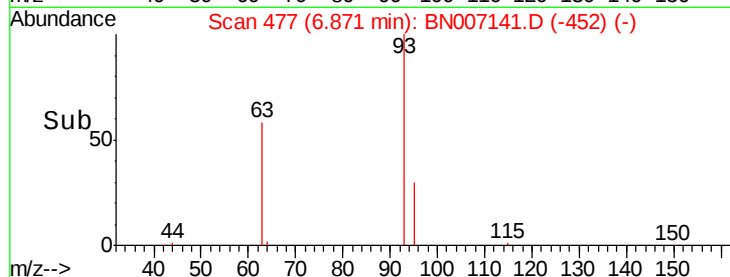
95 32.6 26.7 40.1



Abundance Ion 93.00 (92.70 to 93.70): BN007141.D (-452) (-)

Ion 63.00 (62.70 to 63.70): BN007141.D (-452) (-)

Ion 95.00 (94.70 to 95.70): BN007141.D (-452) (-)



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Tgt Ion: 136 Resp: 39888

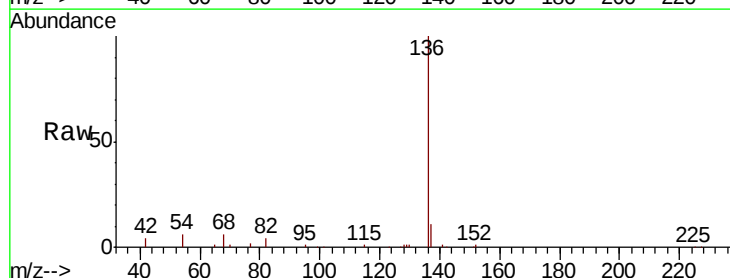
Ion Ratio Lower Upper

136 100

137 11.4 9.4 14.0

54 6.1 6.6 9.8#

68 5.5 6.0 9.0#

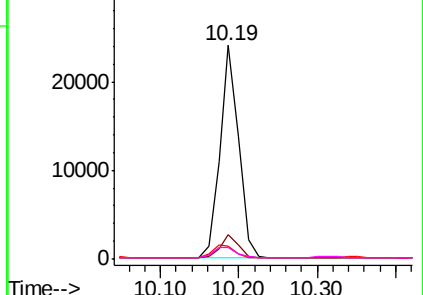
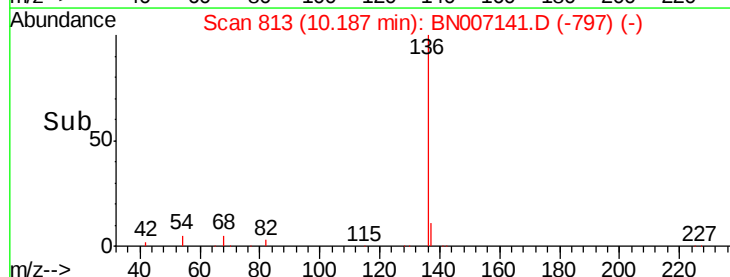


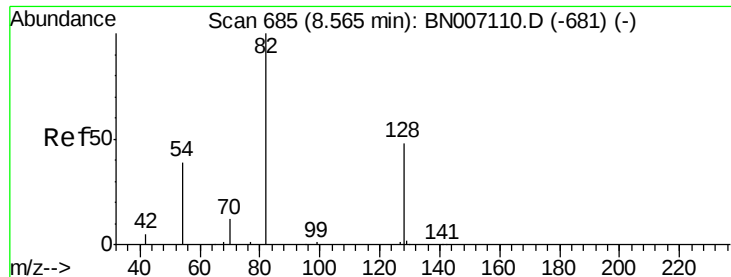
Abundance Ion 136.00 (135.70 to 136.70): BN007141.D (-797) (-)

Ion 137.00 (136.70 to 137.70): BN007141.D (-797) (-)

Ion 54.00 (53.70 to 54.70): BN007141.D (-797) (-)

Ion 68.00 (67.70 to 68.70): BN007141.D (-797) (-)





#7

Nitrobenzene-d5

Concen: 0.196 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA_N

ClientSampled :

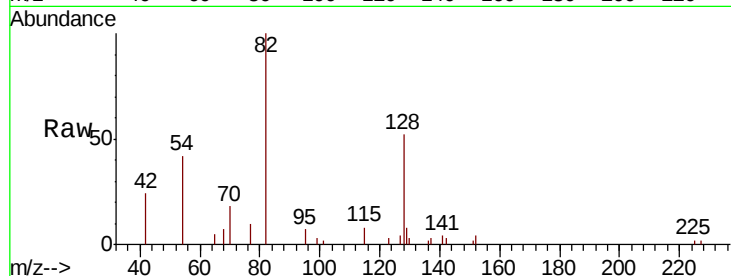
Tot Ion: 82 Resp: 6306

Ion Ratio Lower Upper

82 100

128 51.8 34.6 51.8

54 42.5 36.2 54.4

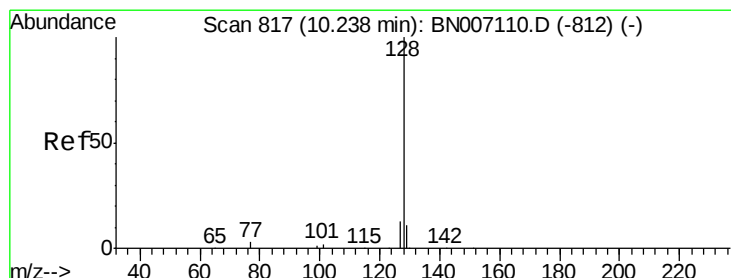
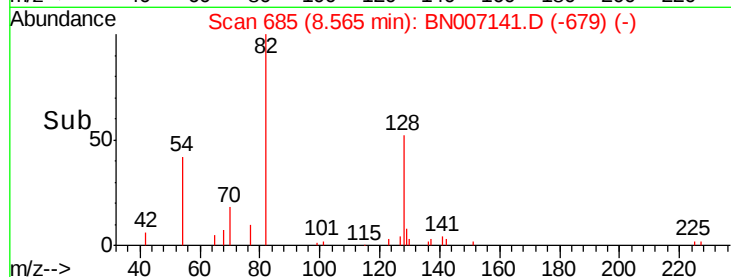
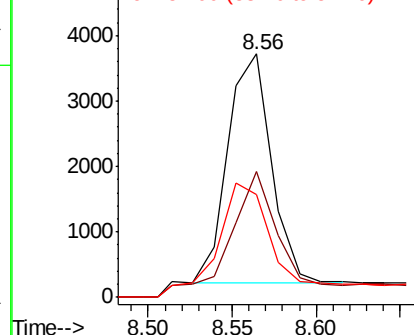


Abundance

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: BN007141.D

Acq: 13 Aug 2019 20:43

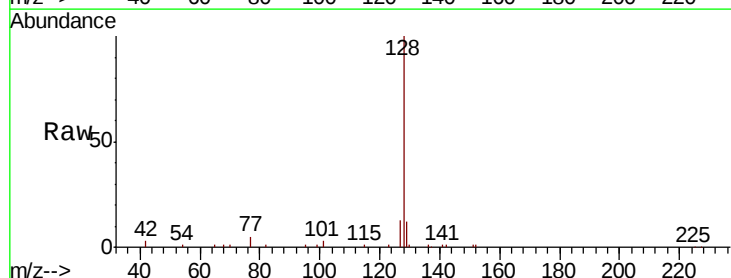
Tgt Ion: 128 Resp: 29700

Ion Ratio Lower Upper

128 100

129 11.7 9.4 14.2

127 13.4 11.0 16.6

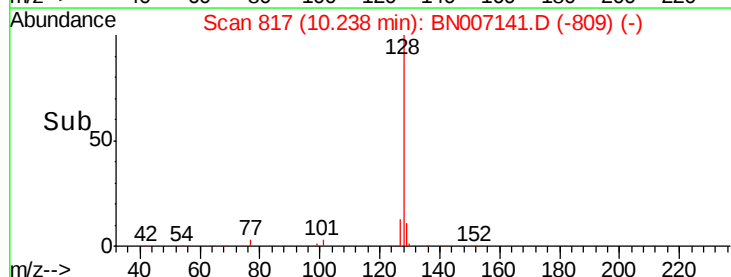
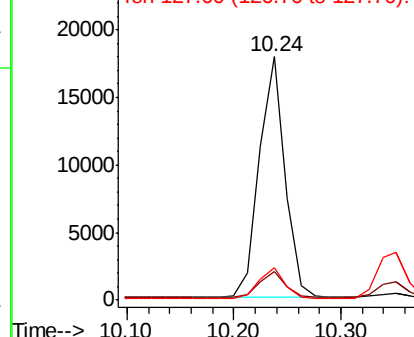


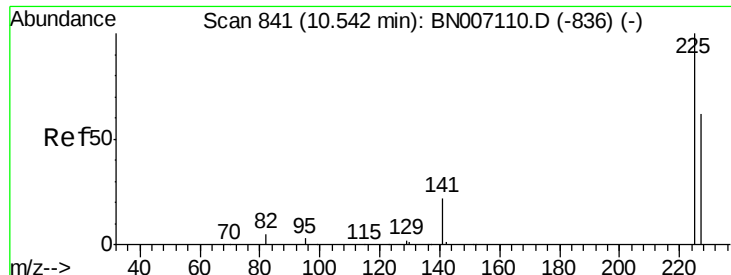
Abundance

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

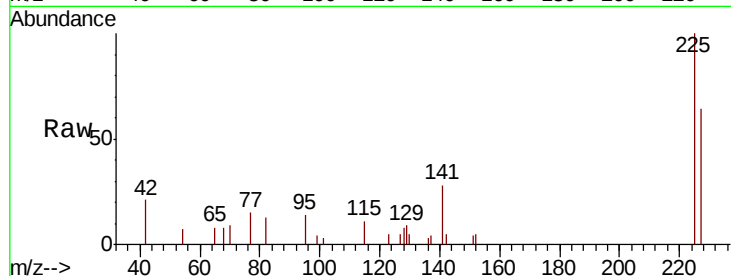




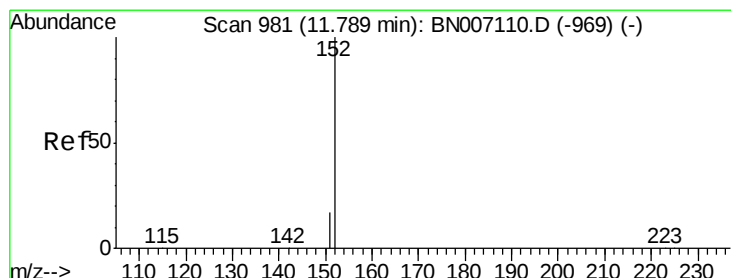
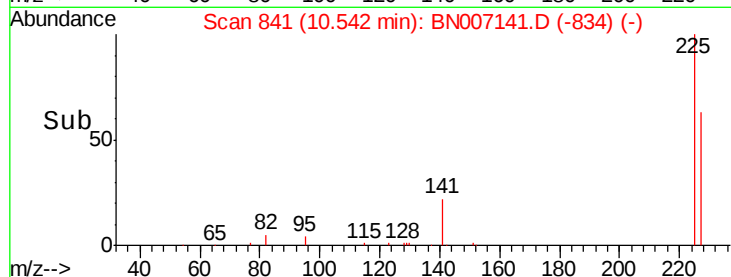
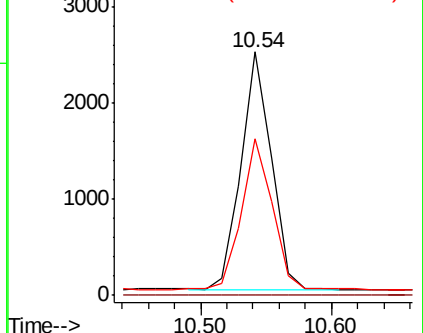
#9
Hexachlorobutadiene
Concen: 0.166 ng
RT: 10.54 min Scan# 841
Delta R.T. -0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
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Tot Ion:225 Resp: 3964
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.7 51.1 76.7

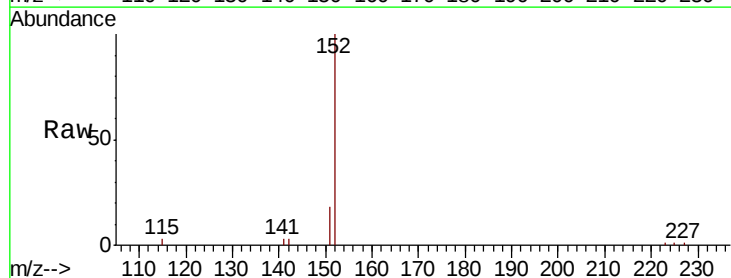


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

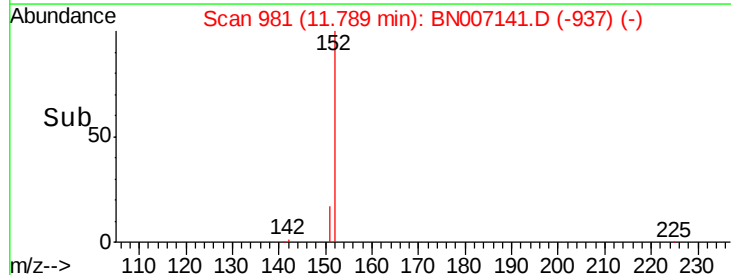
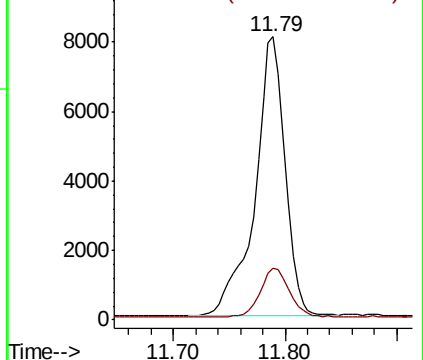


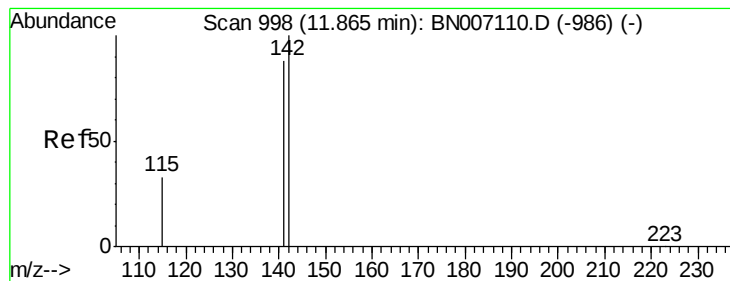
#10
2-Methylnaphthalene-d10
Concen: 0.202 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Tgt Ion:152 Resp: 15014
Ion Ratio Lower Upper
152 100
151 17.0 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: 0.279 ng

RT: 11.86 min Scan# 997

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA_N

ClientSampleId :

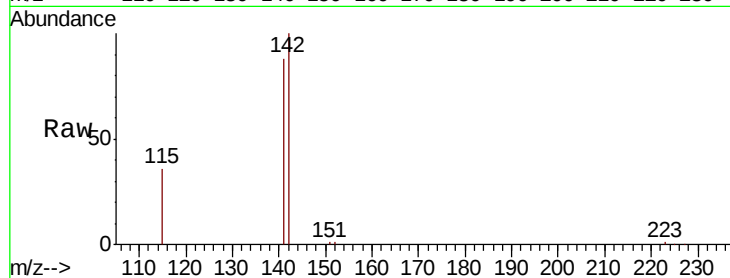
Tot Ion:142 Resp: 22104

Ion Ratio Lower Upper

142 100

141 88.5 69.0 103.6

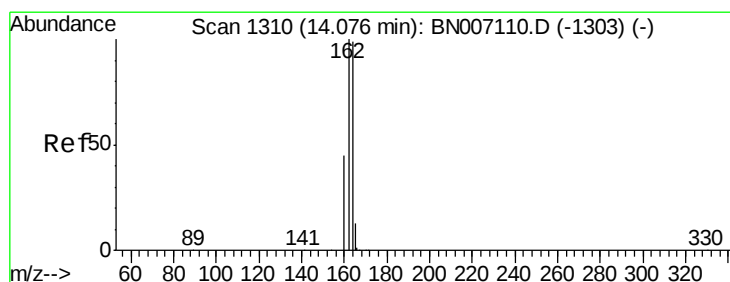
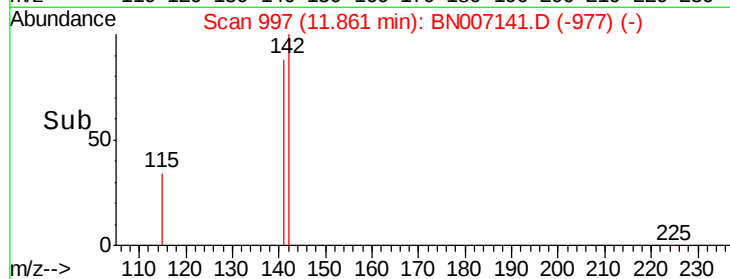
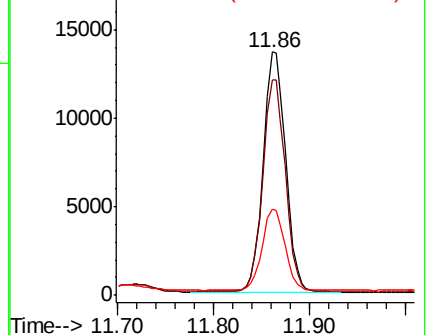
115 35.6 27.1 40.7



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: BN007141.D

Acq: 13 Aug 2019 20:43

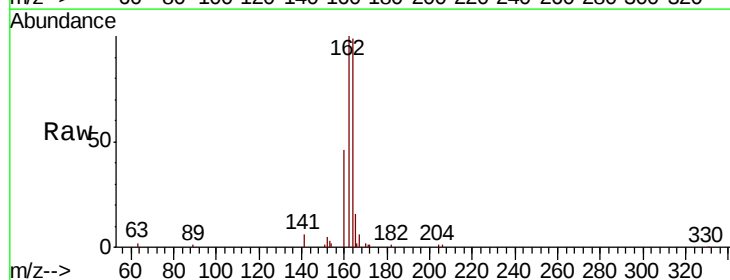
Tgt Ion:164 Resp: 22570

Ion Ratio Lower Upper

164 100

162 101.1 82.2 123.4

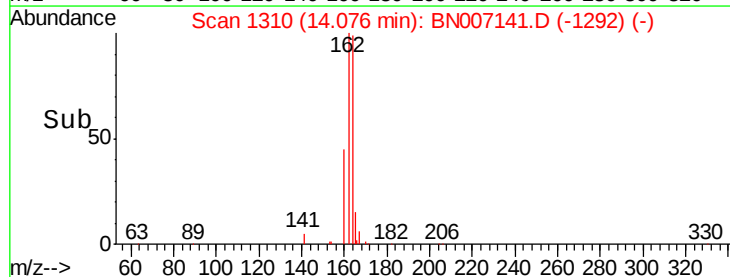
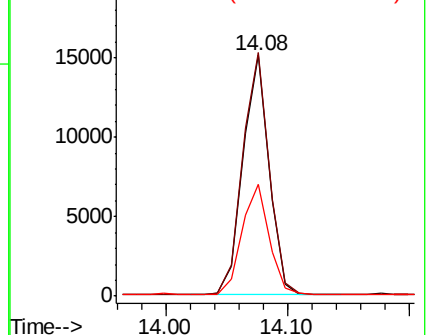
160 46.2 38.3 57.5

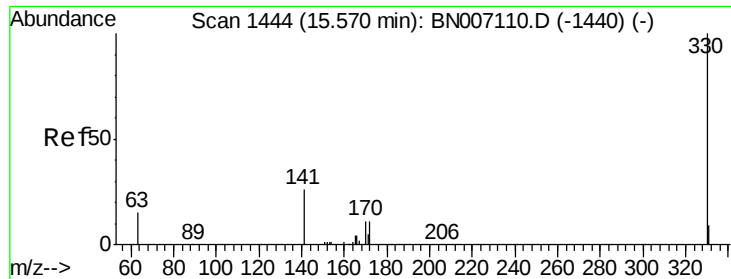


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

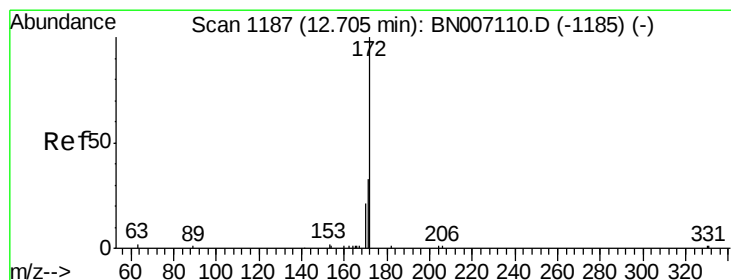
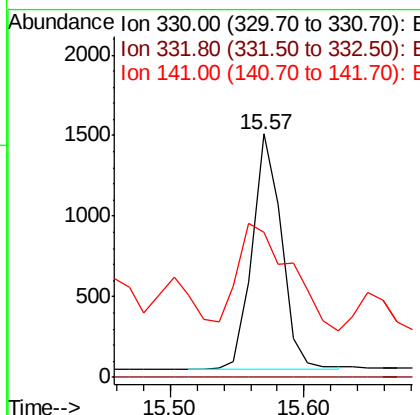
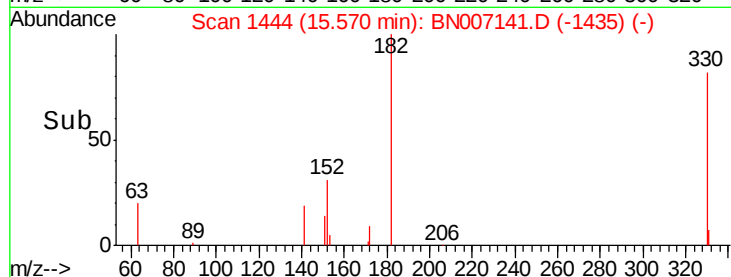
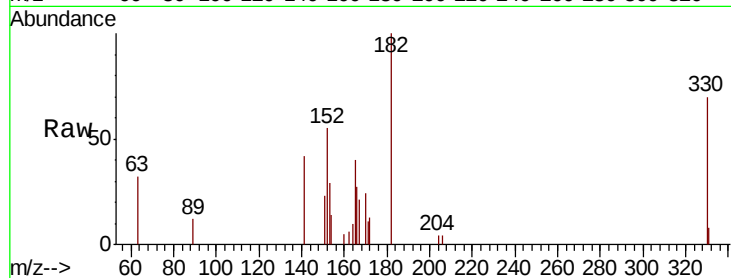




#13
 2,4,6-Tribromophenol
 Concen: 0.183 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007141.D
 Acq: 13 Aug 2019 20:43

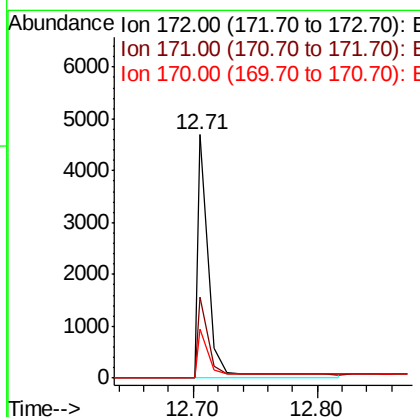
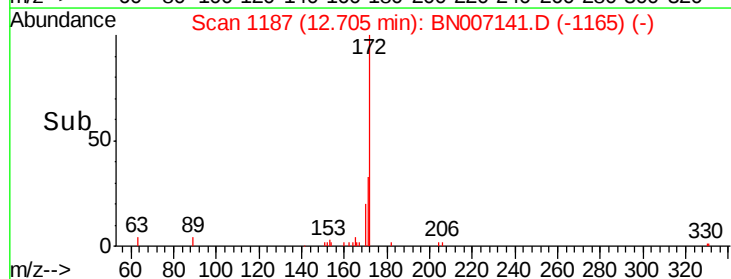
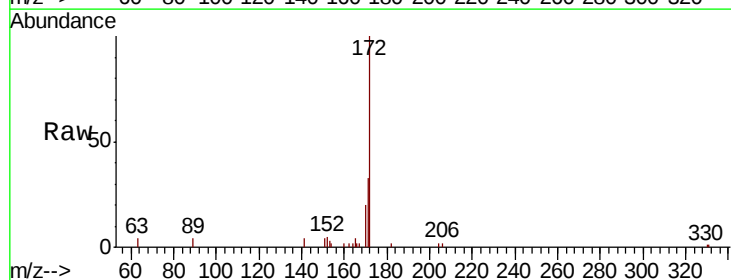
Instrument :
 BNA_N
 ClientSampleId :

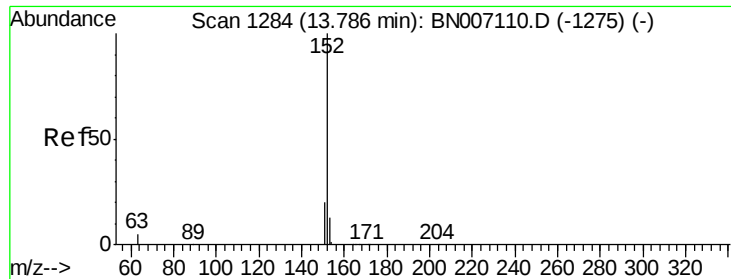
Tot Ion:330 Resp: 2226
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 81.9 33.6 50.4#



#14
 2-Fluorobiphenyl
 Concen: 0.110 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007141.D
 Acq: 13 Aug 2019 20:43

Tgt Ion:172 Resp: 3603
 Ion Ratio Lower Upper
 172 100
 171 33.4 26.3 39.5
 170 20.2 17.0 25.4





#15

Acenaphthylene

Concen: 0.628 ng

RT: 13.79 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

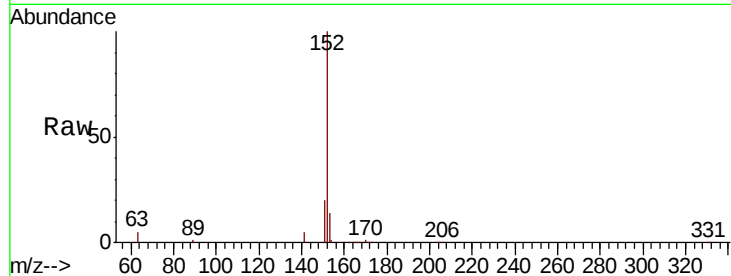
Instrument :

BNA_N

ClientSampled :

Tot Ion:152 Resp: 74112

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.5	10.4	15.6

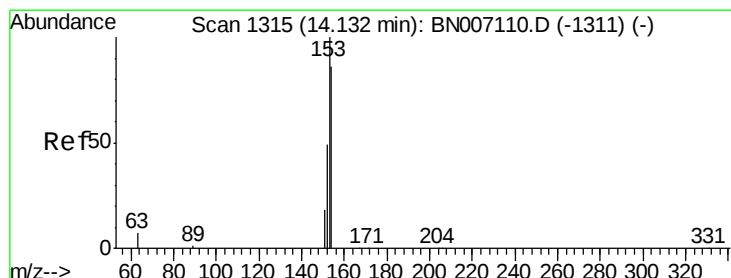
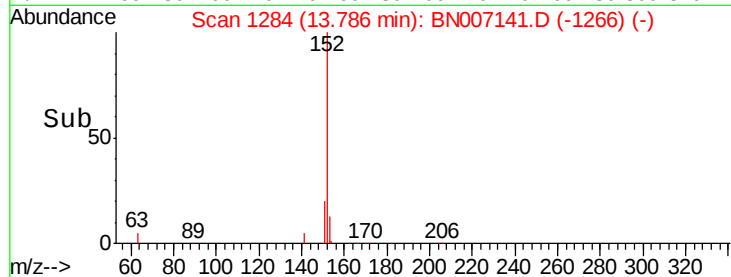
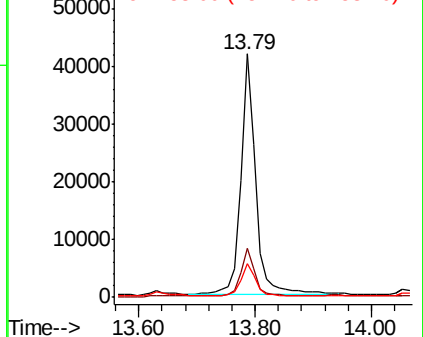


Abundance

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: 0.313 ng

RT: 14.13 min Scan# 1315

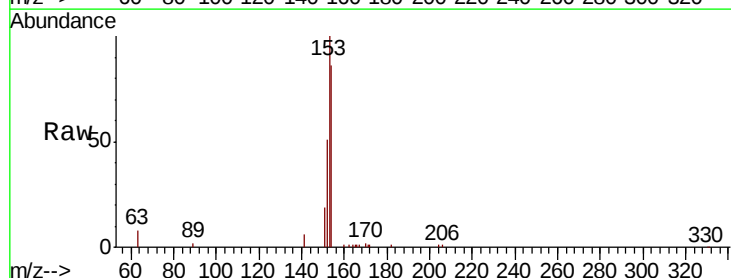
Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Tgt Ion:154 Resp: 23641

Ion	Ratio	Lower	Upper
154	100		
153	115.6	89.5	134.3
152	57.5	44.8	67.2

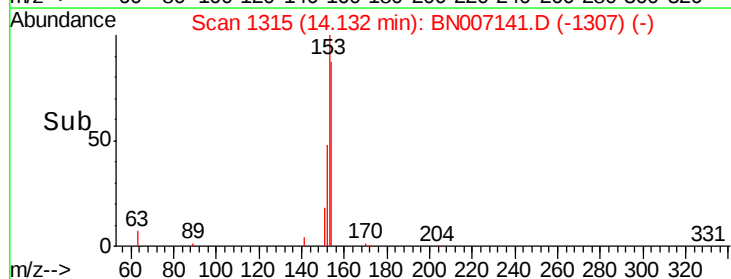
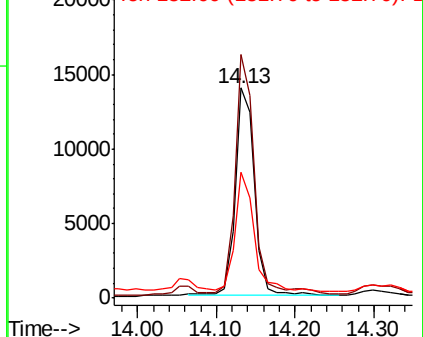


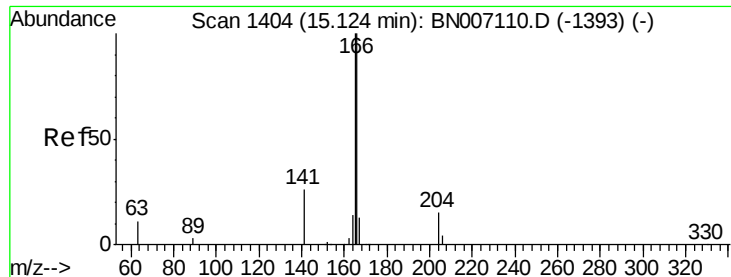
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

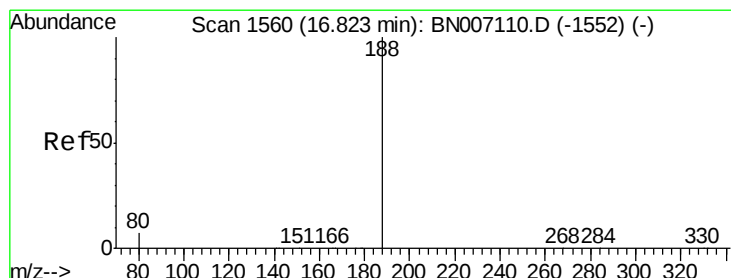
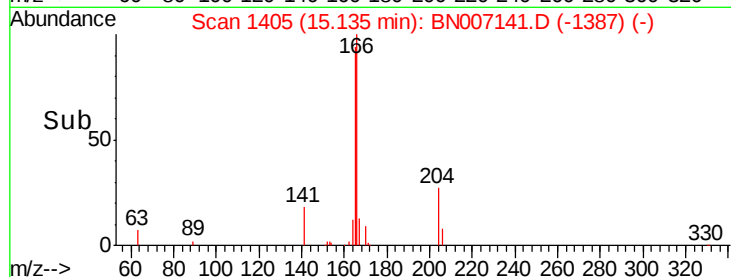
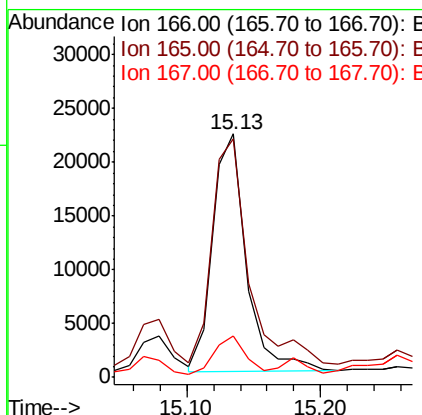
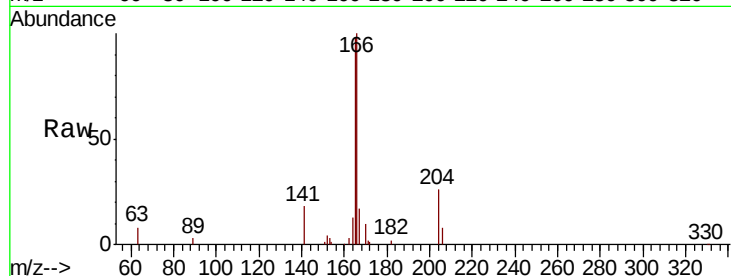




#17
 Fluorene
 Concen: 0.341 ng
 RT: 15.13 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: BN007141.D
 Acq: 13 Aug 2019 20:43

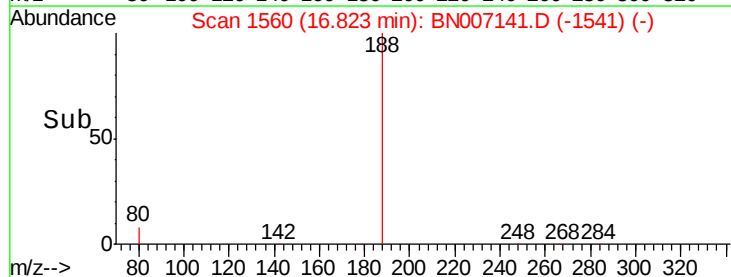
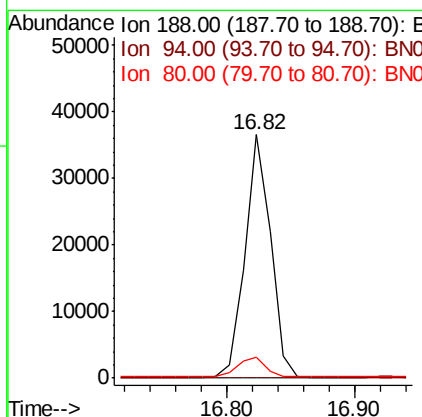
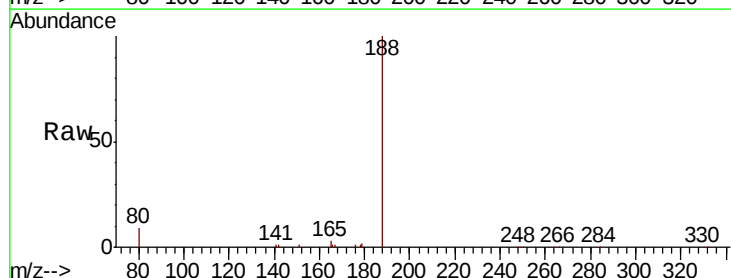
Instrument :
 BNA_N
 ClientSampleId :

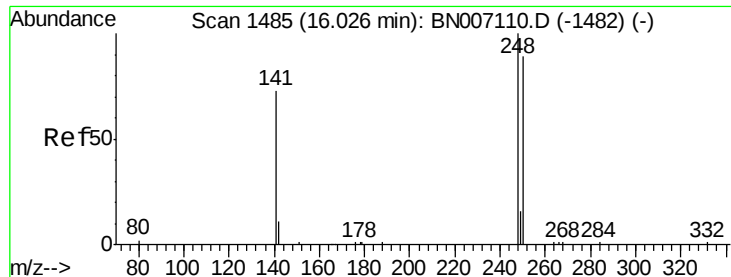
Tot Ion:166 Resp: 38589
 Ion Ratio Lower Upper
 166 100
 165 104.4 77.9 116.9
 167 14.6 10.9 16.3



#18
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BN007141.D
 Acq: 13 Aug 2019 20:43

Tgt Ion:188 Resp: 51154
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 8.5 7.8 11.6





#19

4-Bromophenyl-phenylether

Concen: 0.194 ng

RT: 16.03 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA_N

ClientSampled :

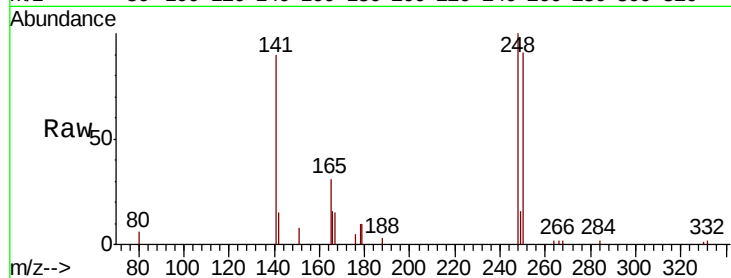
Tot Ion:248 Resp: 6124

Ion Ratio Lower Upper

248 100

250 91.3 78.9 118.3

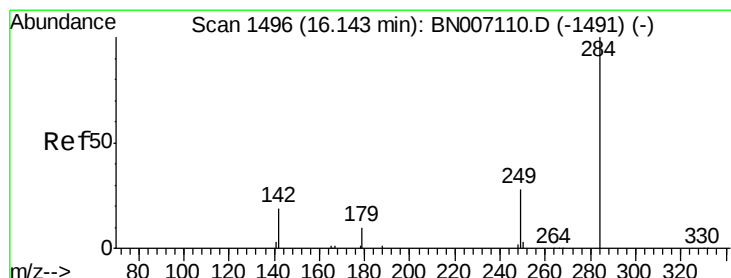
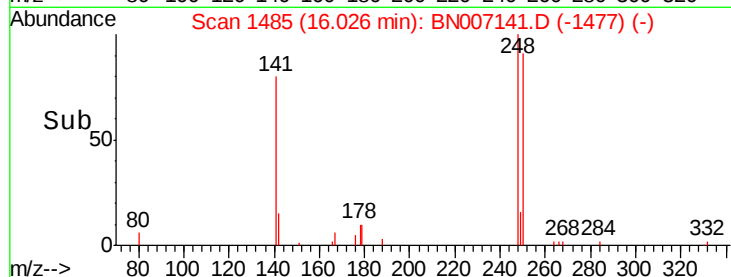
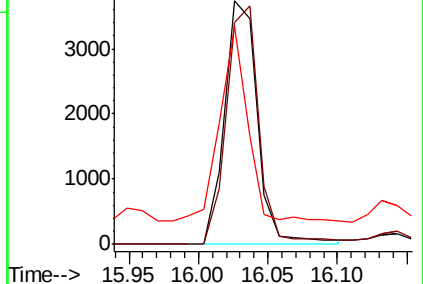
141 89.8 43.3 64.9#



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: 0.174 ng

RT: 16.14 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

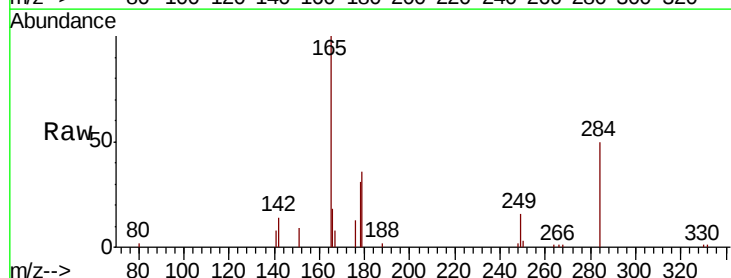
Tgt Ion:284 Resp: 5290

Ion Ratio Lower Upper

284 100

142 40.2 30.5 45.7

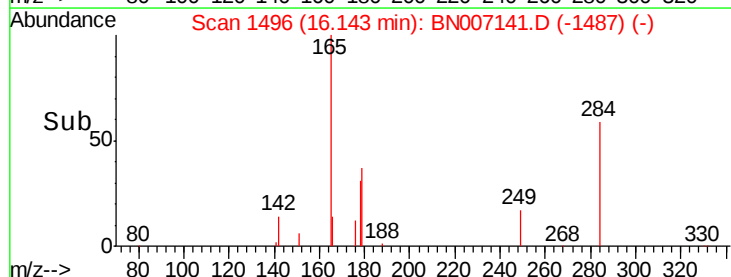
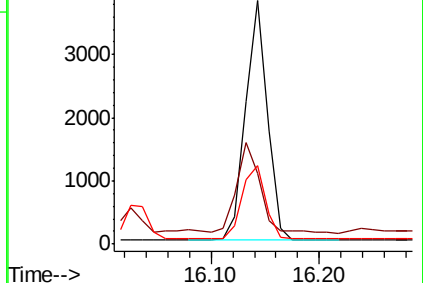
249 33.6 26.7 40.1

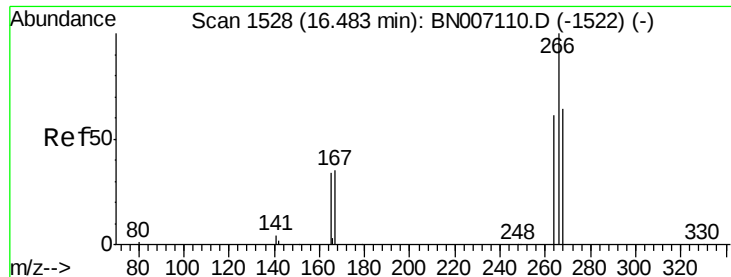


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

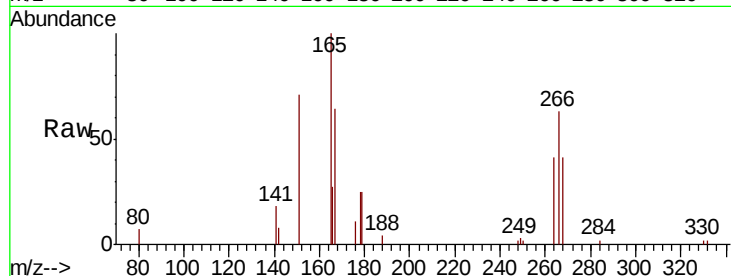




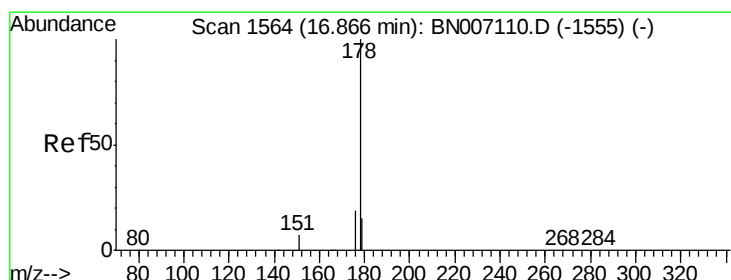
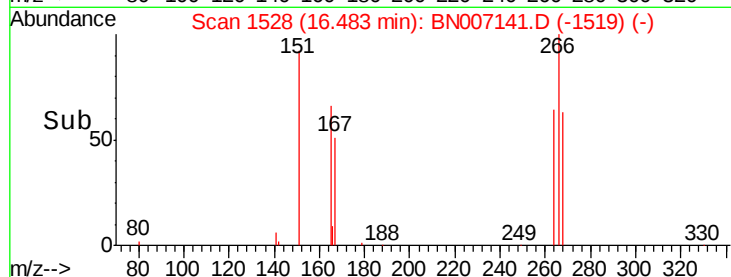
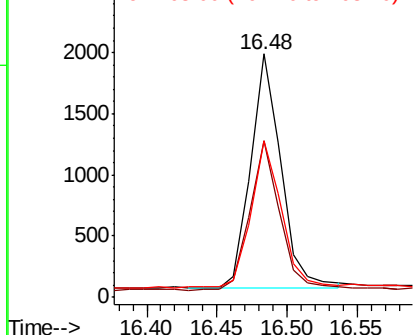
#21
 Pentachlorophenol
 Concen: 0.257 ng
 RT: 16.48 min Scan# 1528
 Delta R.T. -0.00 min
 Lab File: BN007141.D
 Acq: 13 Aug 2019 20:43

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:266 Resp: 2910
 Ion Ratio Lower Upper
 266 100
 264 64.5 52.3 78.5
 268 64.4 51.5 77.3

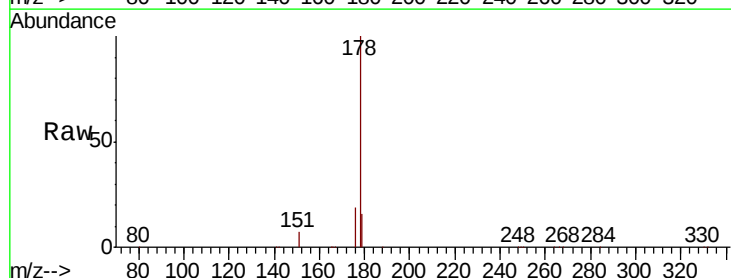


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

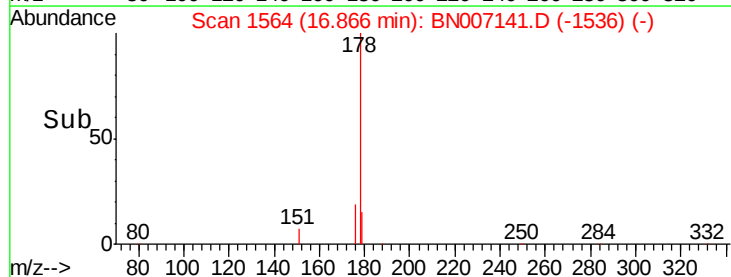
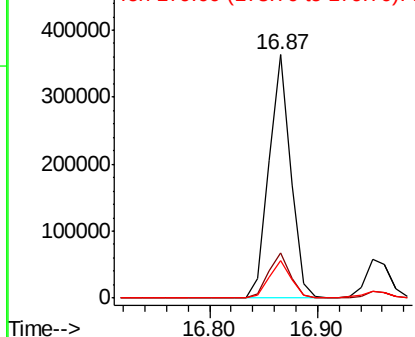


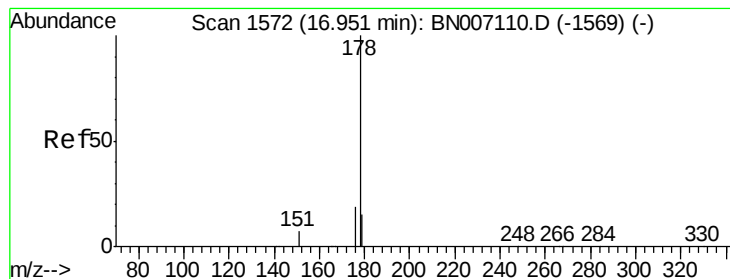
#22
 Phenanthrene
 Concen: 3.291 ng
 RT: 16.87 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BN007141.D
 Acq: 13 Aug 2019 20:43

Tgt Ion:178 Resp: 504471
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.2 22.8
 179 15.7 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: 0.618 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA_N

ClientSampleId :

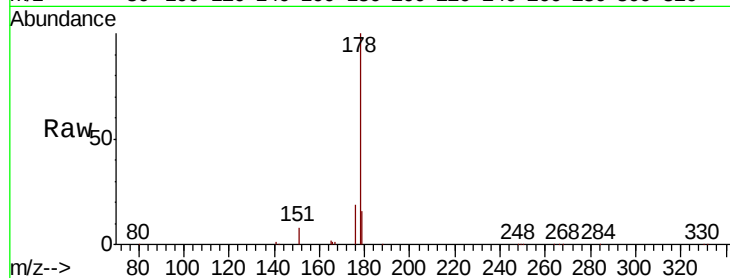
Tot Ion:178 Resp: 86533

Ion Ratio Lower Upper

178 100

176 18.4 14.6 21.8

179 16.8 12.5 18.7

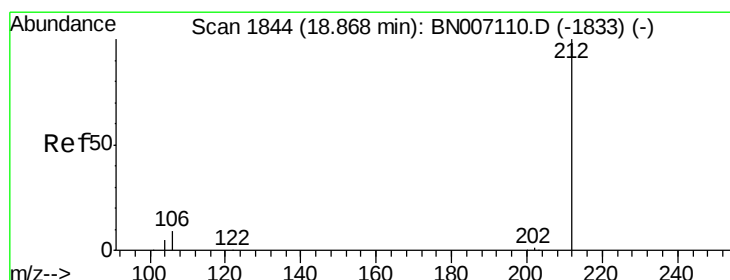
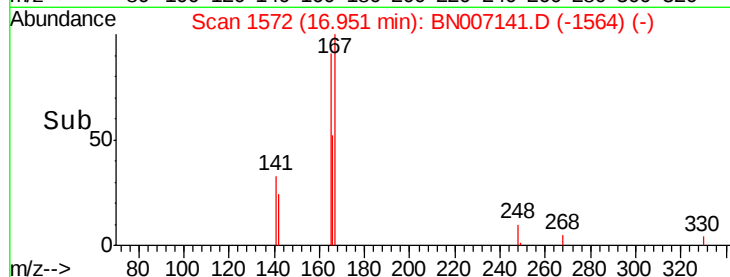
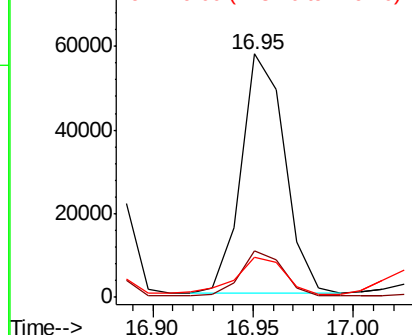


Abundance

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



#24

Fluoranthene-d10

Concen: 0.159 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

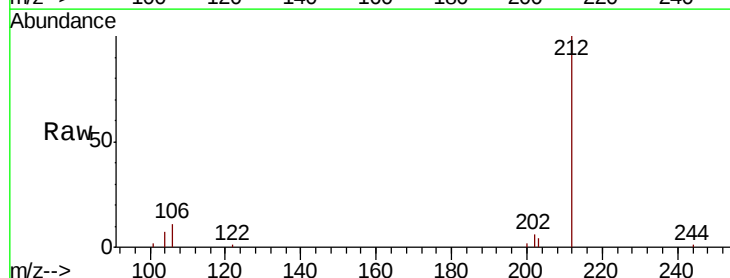
Tgt Ion:212 Resp: 28922

Ion Ratio Lower Upper

212 100

106 10.2 8.2 12.2

104 6.8 4.5 6.7#

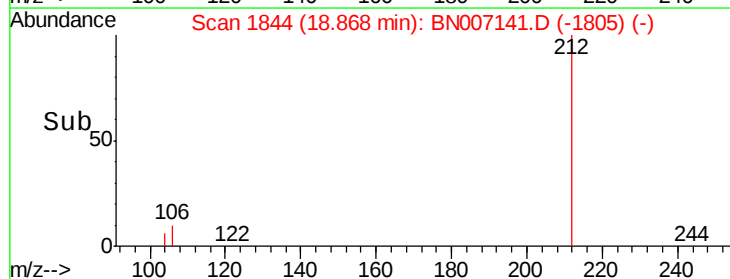
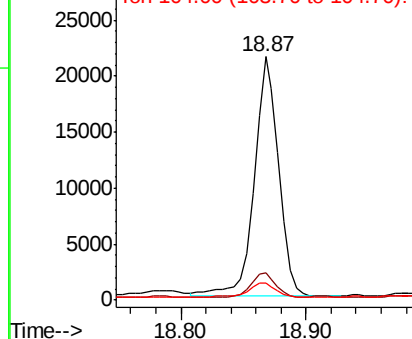


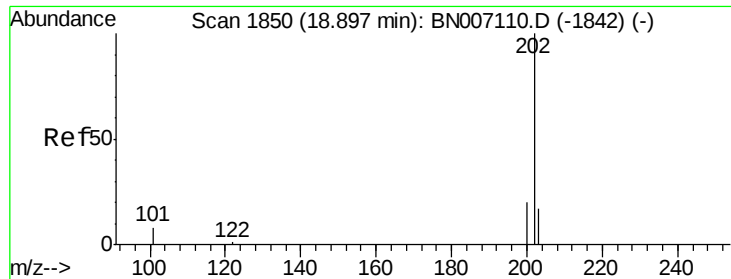
Abundance

Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#25

Fluoranthene

Concen: 2.551 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA_N

ClientSampleId :

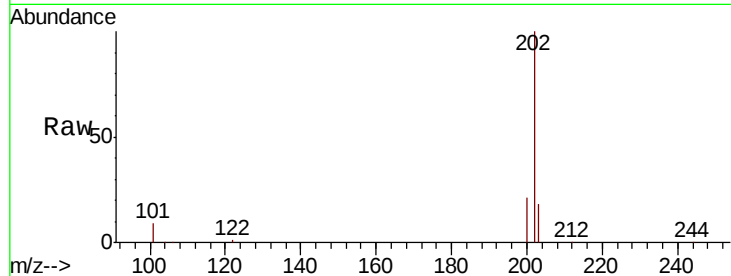
Tot Ion:202 Resp: 500285

Ion Ratio Lower Upper

202 100

101 9.0 7.0 10.4

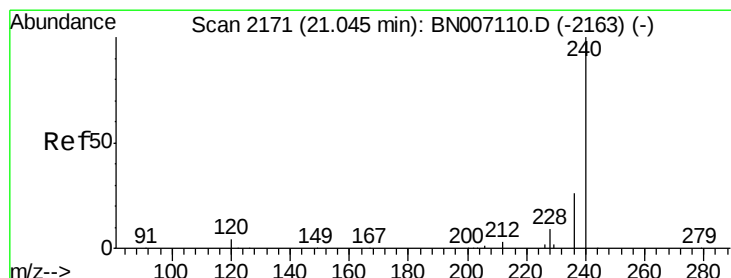
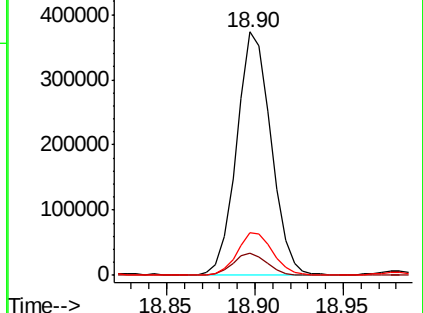
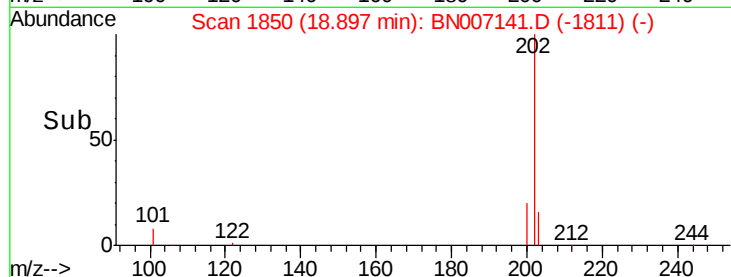
203 17.9 13.8 20.8



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: BN007141.D

Acq: 13 Aug 2019 20:43

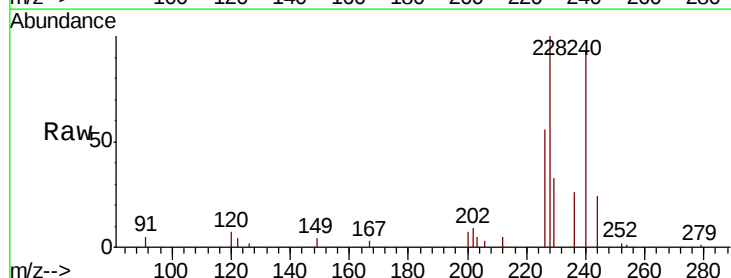
Tgt Ion:240 Resp: 49269

Ion Ratio Lower Upper

240 100

120 7.8 4.0 6.0#

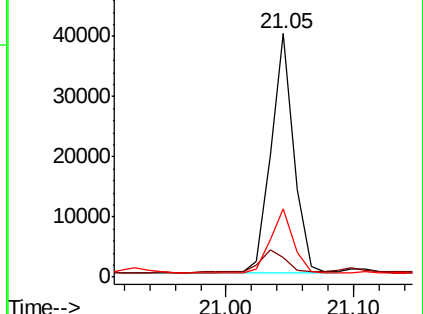
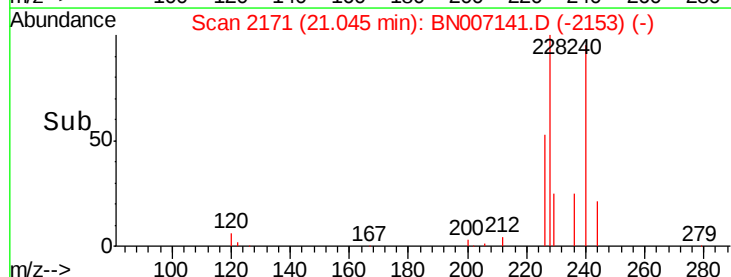
236 27.8 21.3 31.9

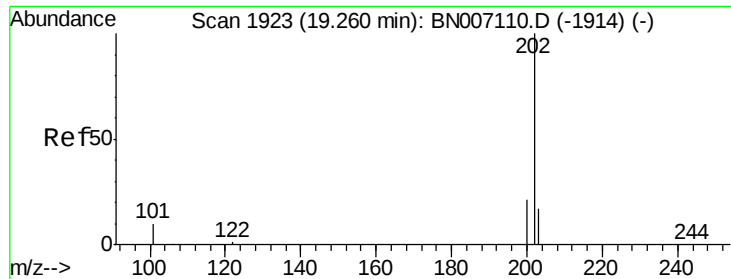


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

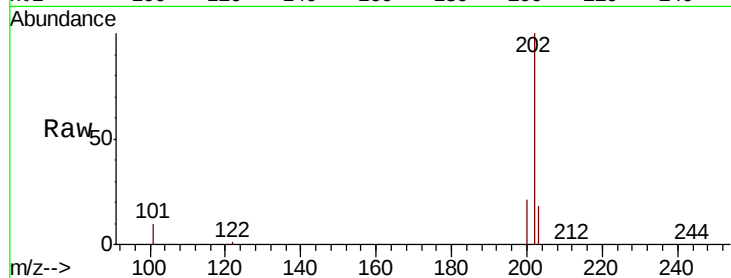




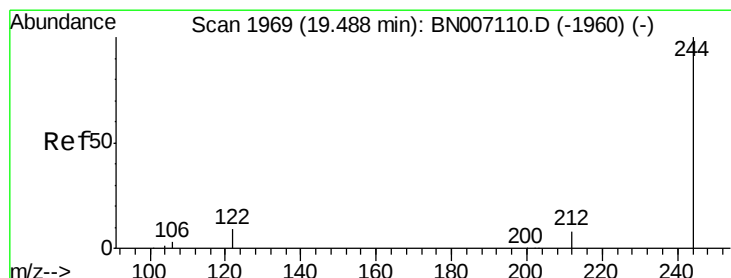
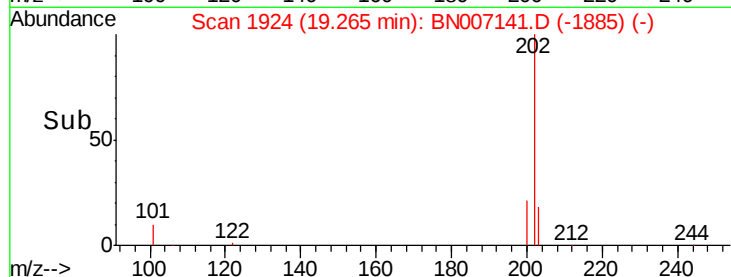
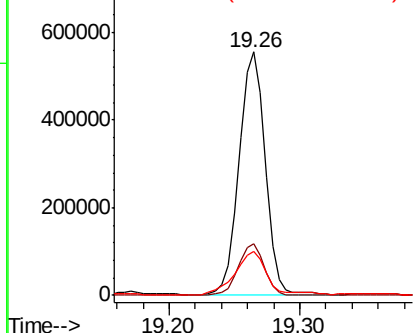
#27
Pvrene
Concen: 4.523 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 781556
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 20.4 14.0 21.0

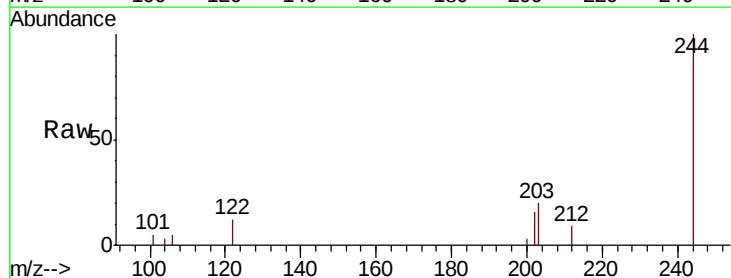


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

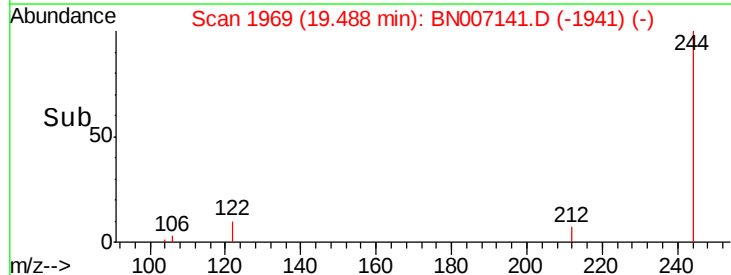
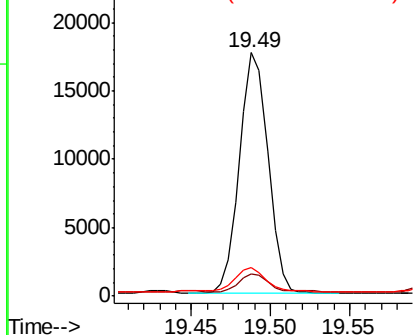


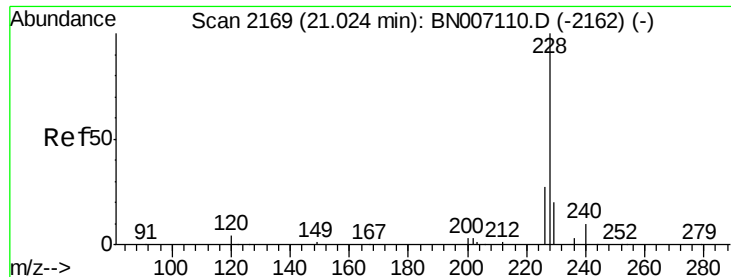
#28
Terphenyl-d14
Concen: 0.165 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Tgt Ion:244 Resp: 22160
Ion Ratio Lower Upper
244 100
212 9.0 6.2 9.2
122 12.0 7.4 11.2#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#29

Benzo(a)anthracene

Concen: 1.838 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA_N

ClientSampleId :

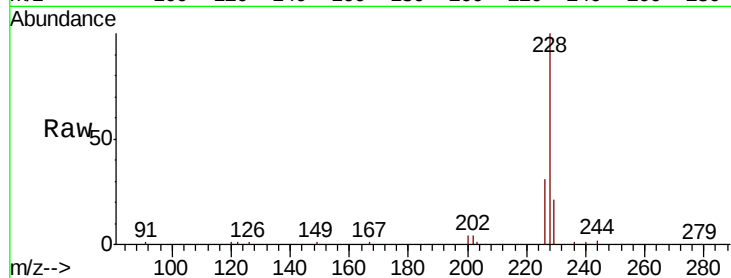
Tot Ion:228 Resp: 331222

Ion Ratio Lower Upper

228 100

226 30.9 21.8 32.6

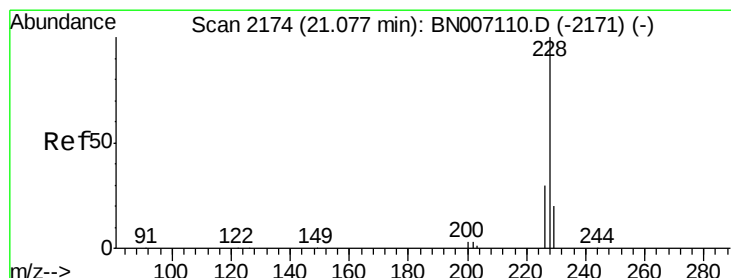
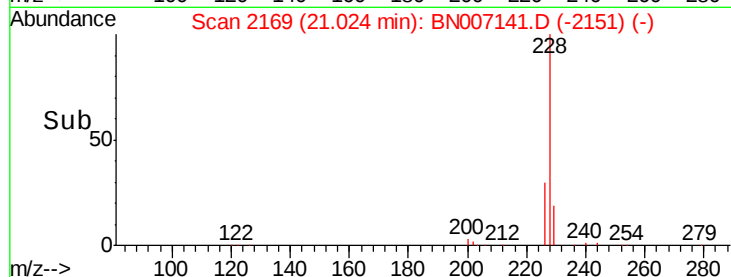
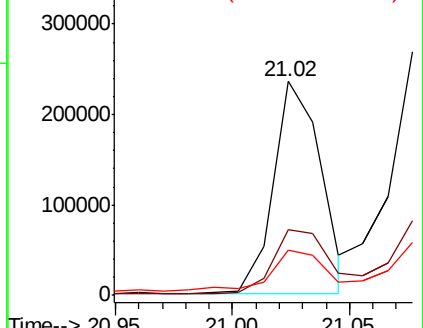
229 21.3 15.6 23.4



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: 2.265 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

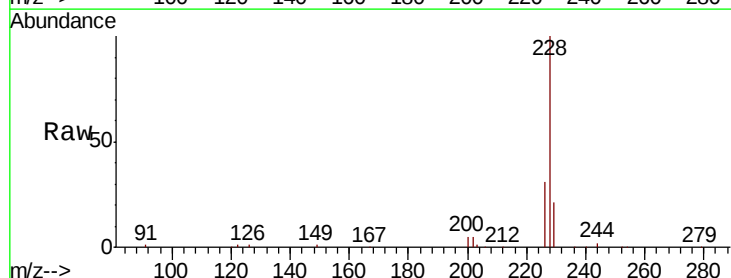
Tgt Ion:228 Resp: 396469

Ion Ratio Lower Upper

228 100

226 30.9 23.8 35.6

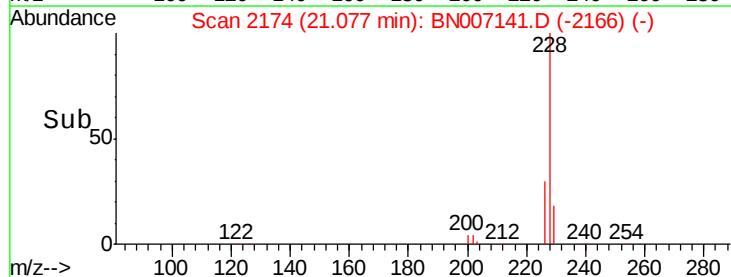
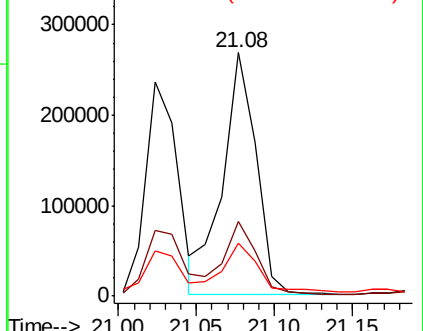
229 21.5 15.7 23.5

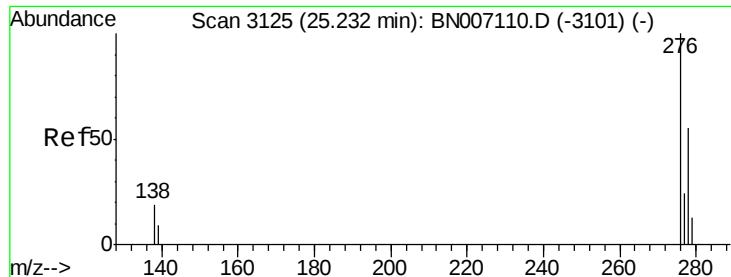


Abundance Ion 228.00 (227.70 to 228.70): E

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: 0.912 ng

RT: 25.24 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA_N

ClientSampleId :

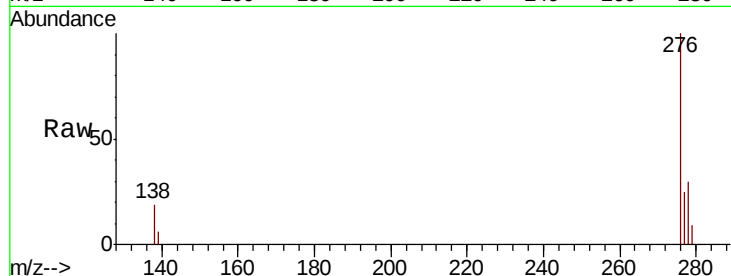
Tot Ion:276 Resp: 175979

Ion Ratio Lower Upper

276 100

138 19.3 16.0 24.0

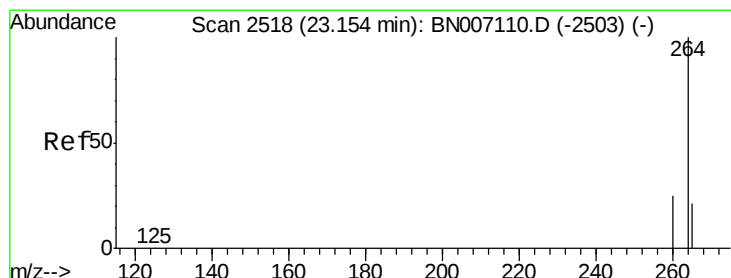
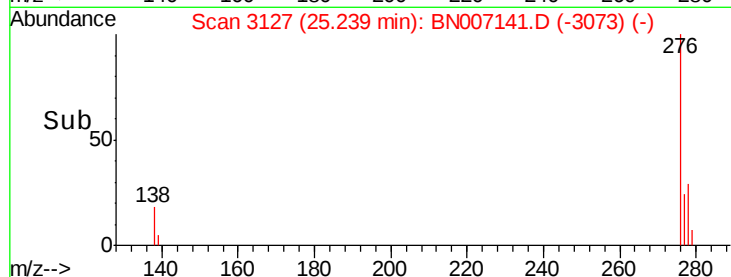
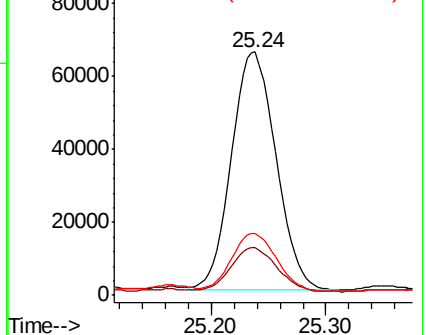
277 24.8 19.9 29.9



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# 2520

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

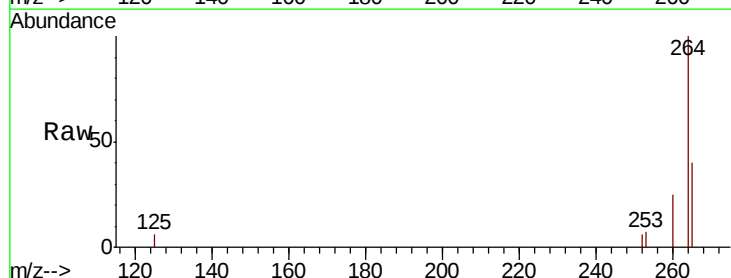
Tgt Ion:264 Resp: 54734

Ion Ratio Lower Upper

264 100

260 25.3 19.8 29.8

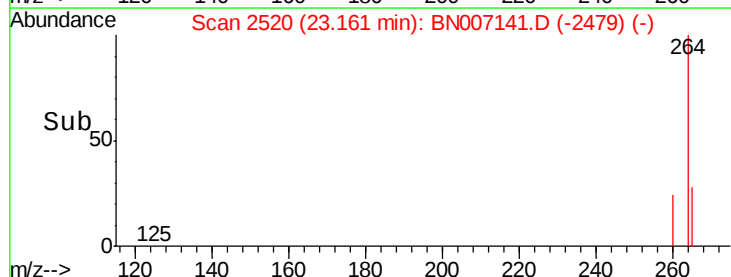
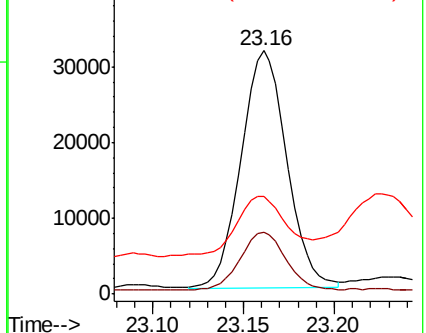
265 40.1 26.2 39.4#

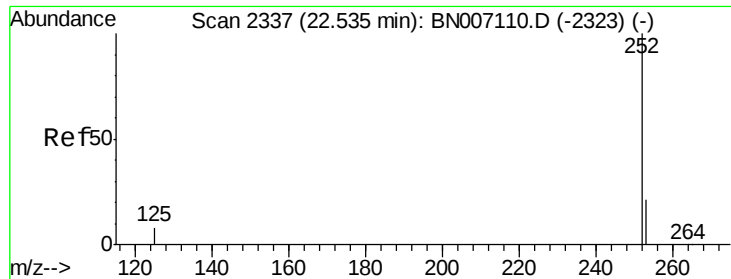


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 1.676 ng

RT: 22.54 min Scan# 2339

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA_N

ClientSampleId :

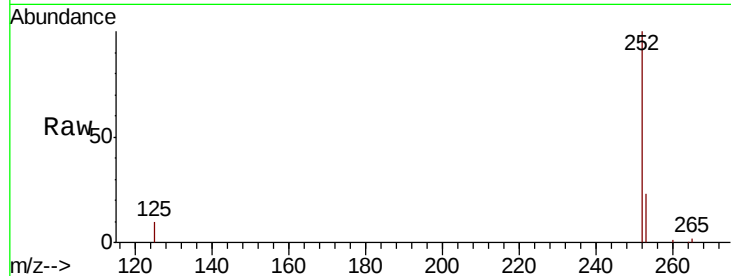
Tot Ion:252 Resp: 314568

Ion Ratio Lower Upper

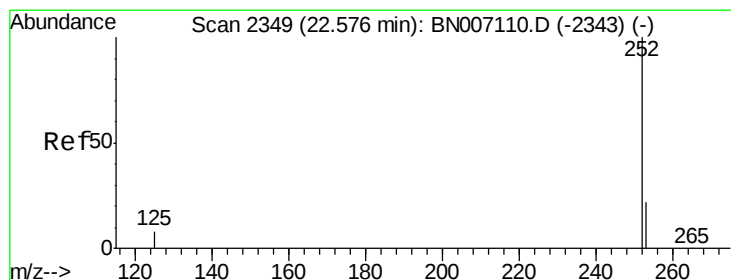
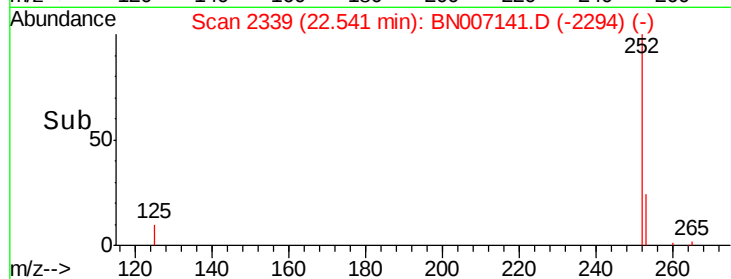
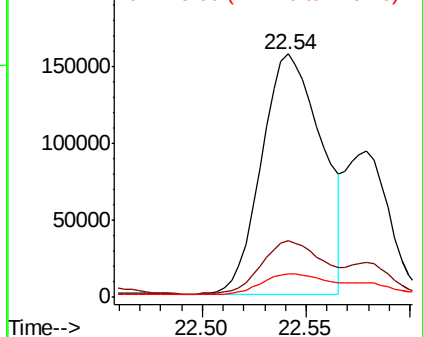
252 100

253 23.2 18.2 27.2

125 9.7 7.4 11.0



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



#34

Benzo(k)fluoranthene

Concen: 1.697 ng

RT: 22.54 min Scan# 2339

Delta R.T. -0.05 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

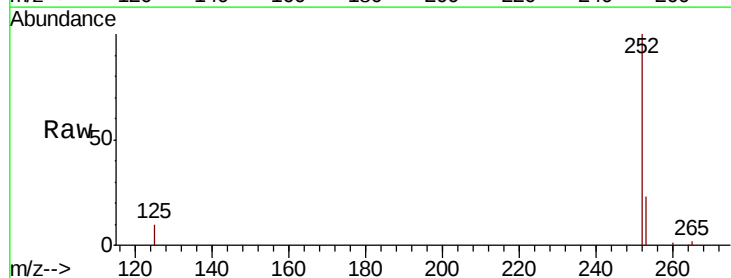
Tgt Ion:252 Resp: 314568

Ion Ratio Lower Upper

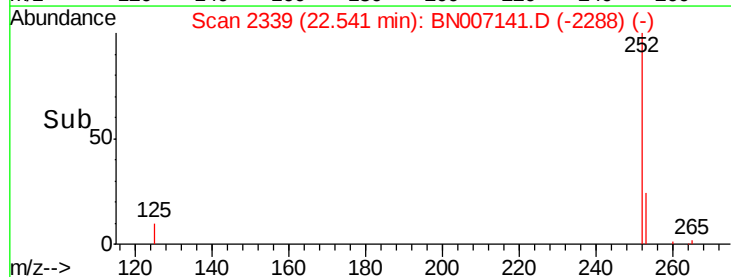
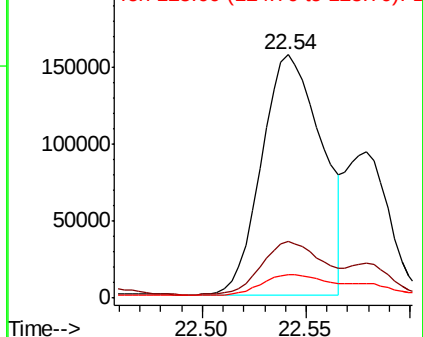
252 100

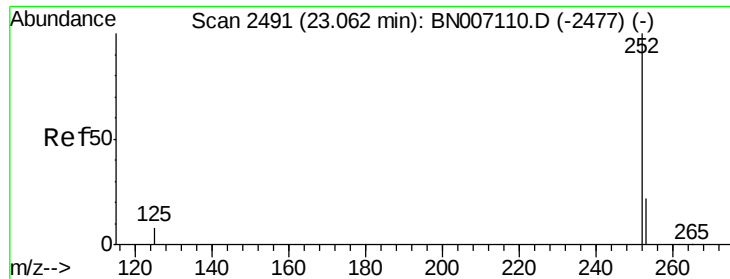
253 23.2 18.1 27.1

125 9.7 7.4 11.0



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





#35

Benzo(a)pyrene

Concen: 1.624 ng

RT: 23.07 min Scan# 2493

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA_N

ClientSampleId :

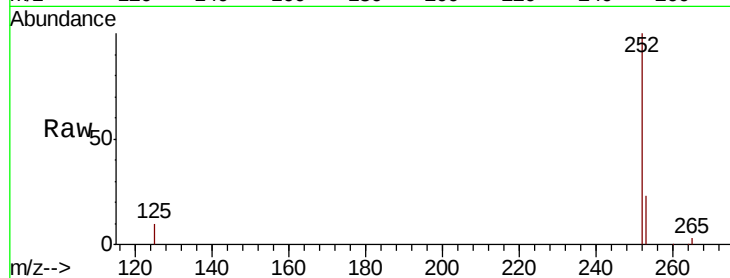
Tot Ion:252 Resp: 276319

Ion Ratio Lower Upper

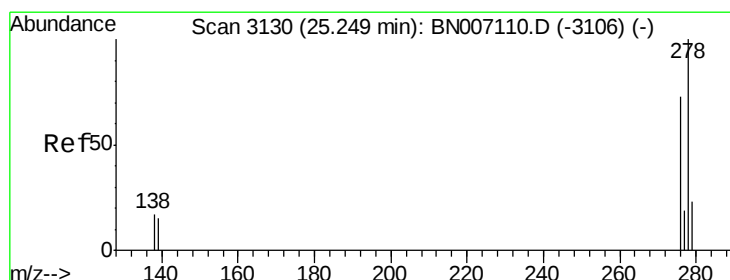
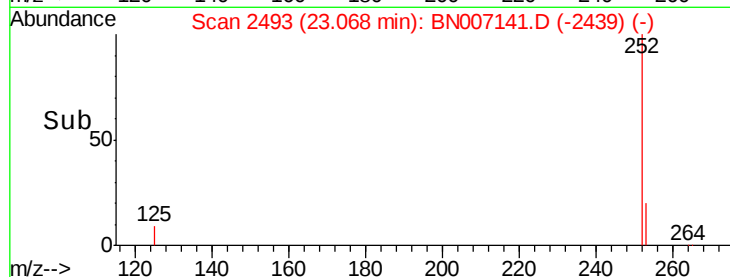
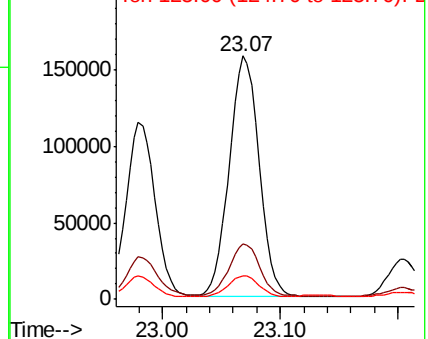
252 100

253 23.0 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: 0.426 ng

RT: 25.25 min Scan# 3131

Delta R.T. -0.02 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

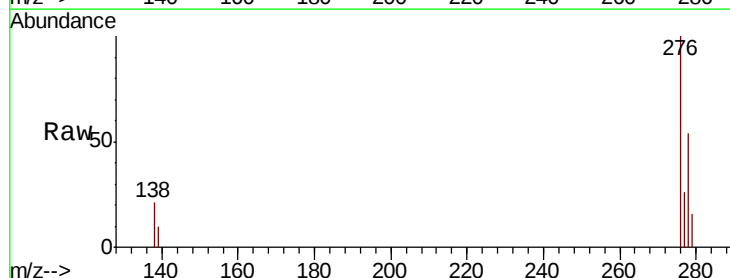
Tgt Ion:278 Resp: 72406

Ion Ratio Lower Upper

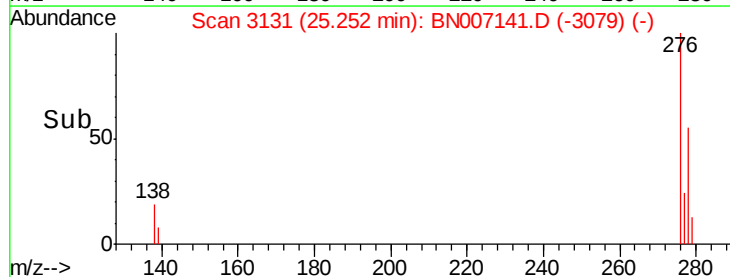
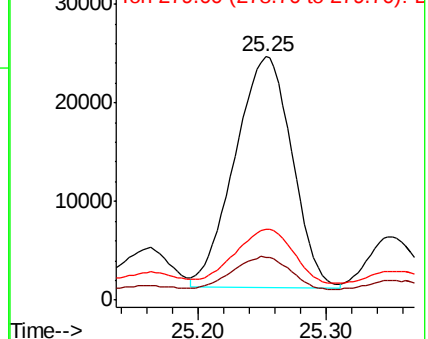
278 100

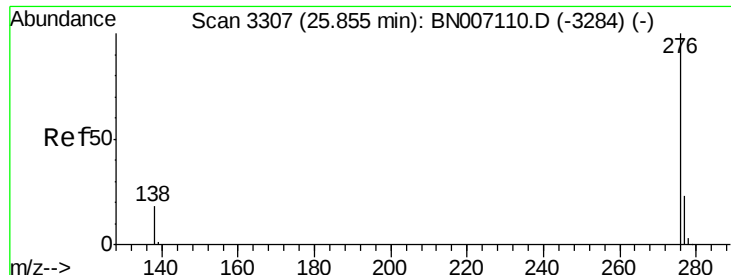
139 17.7 11.3 16.9#

279 29.2 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: 1.108 ng

RT: 25.87 min Scan# 3311

Delta R.T. -0.01 min

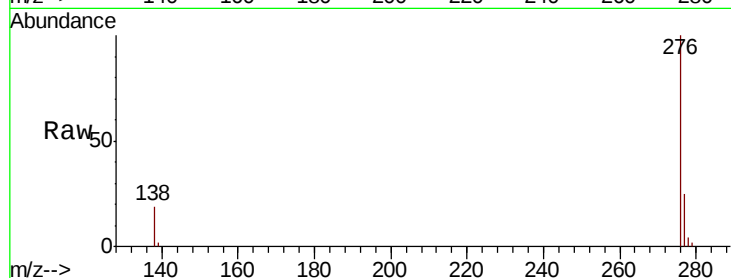
Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 193456

Ion Ratio Lower Upper

276 100

277 24.8 19.8 29.8

138 19.2 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

