

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
 Data File : BN007128.D
 Acq On : 13 Aug 2019 12:55
 Operator : HP/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 13 13:57:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 13 12:12:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	9540	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	36515	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	20416	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	47430	0.40	ng	0.00
26) Chrysene-d12	21.05	240	46189	0.40	ng	-0.01
32) Perylene-d12	23.16	264	51529	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	9762	0.43	ng	0.00
4) Phenol-d6	6.62	99	12402	0.44	ng	0.00
7) Nitrobenzene-d5	8.56	82	12080	0.41	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	25218	0.37	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	3777	0.34	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	6833	0.23	ng	0.00
24) Fluoranthene-d10	18.87	212	60066	0.36	ng	0.00
28) Terphenyl-d14	19.49	244	51973	0.41	ng	-0.01

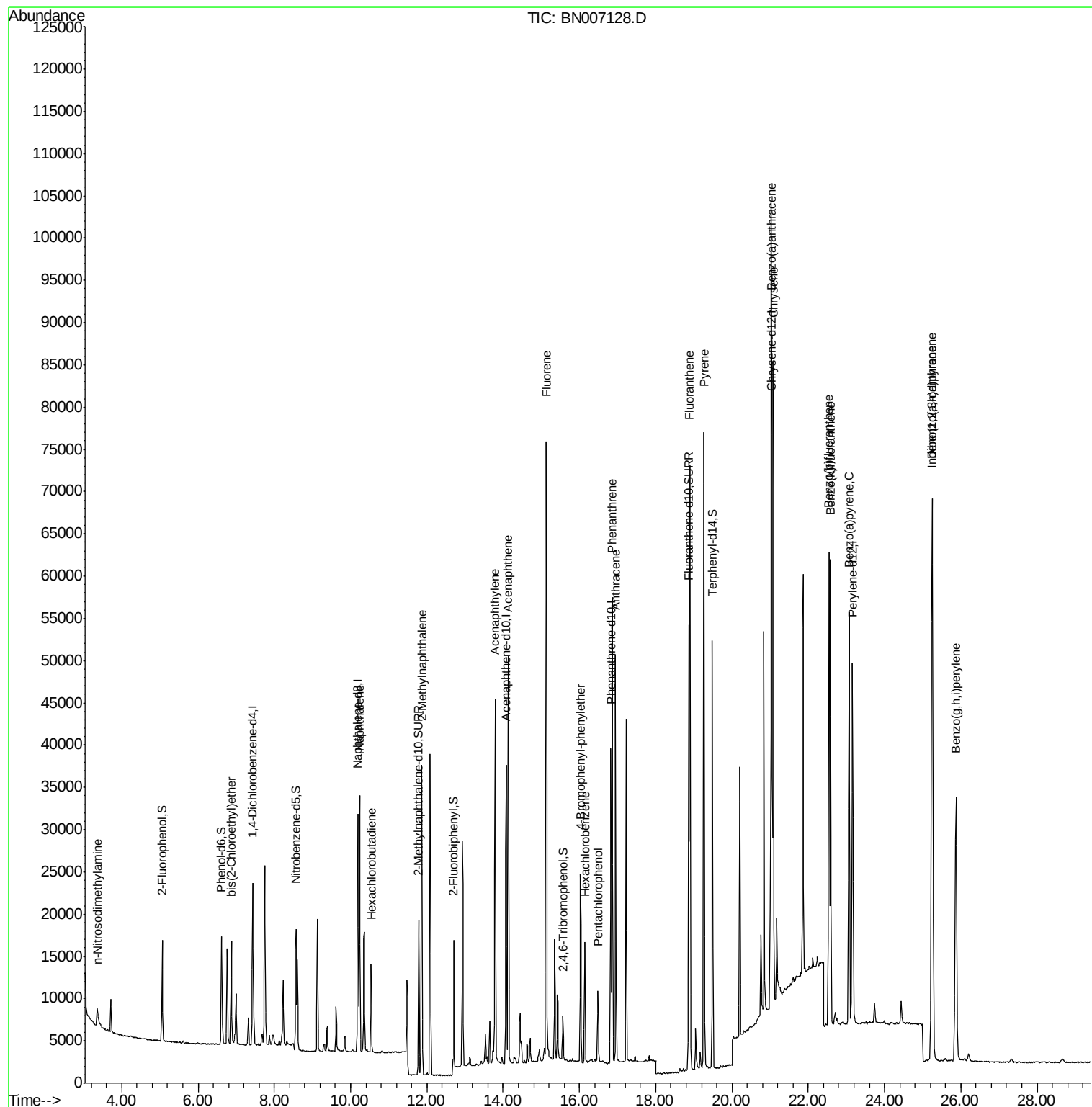
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.36	42	2341	0.373	ng	# 97
5) bis(2-Chloroethyl)ether	6.87	93	9847	0.392	ng	99
8) Naphthalene	10.24	128	38548	0.376	ng	99
9) Hexachlorobutadiene	10.54	225	8277	0.379	ng	# 100
11) 2-Methylnaphthalene	11.87	142	27020	0.372	ng	98
15) Acenaphthylene	13.79	152	52005	0.487	ng	100
16) Acenaphthene	14.13	154	26322	0.385	ng	99
17) Fluorene	15.13	166	36001	0.352	ng	95
19) 4-Bromophenyl-phenylether	16.03	248	11567	0.394	ng	# 84
20) Hexachlorobenzene	16.14	284	11340	0.402	ng	99
21) Pentachlorophenol	16.48	266	4053	0.385	ng	99
22) Phenanthrene	16.87	178	55401	0.390	ng	100
23) Anthracene	16.95	178	52150	0.402	ng	99
25) Fluoranthene	18.90	202	66122	0.364	ng	100
27) Pyrene	19.26	202	68593	0.423	ng	99
29) Benzo(a)anthracene	21.03	228	67576	0.400	ng	93
30) Chrysene	21.08	228	65539	0.399	ng	97
31) Indeno(1,2,3-cd)pyrene	25.24	276	77647	0.429	ng	98
33) Benzo(b)fluoranthene	22.54	252	68990	0.390	ng	98
34) Benzo(k)fluoranthene	22.58	252	65073	0.373	ng	97
35) Benzo(a)pyrene	23.07	252	63525	0.397	ng	98
36) Dibenzo(a,h)anthracene	25.26	278	63025	0.394	ng	# 95
37) Benzo(g,h,i)perylene	25.87	276	63968	0.389	ng	98

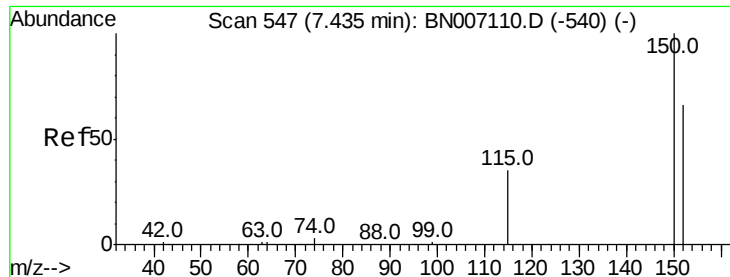
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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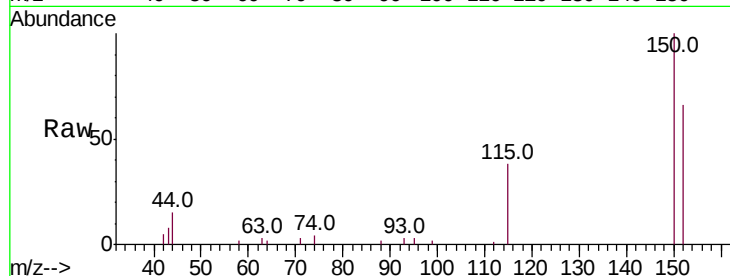


#1

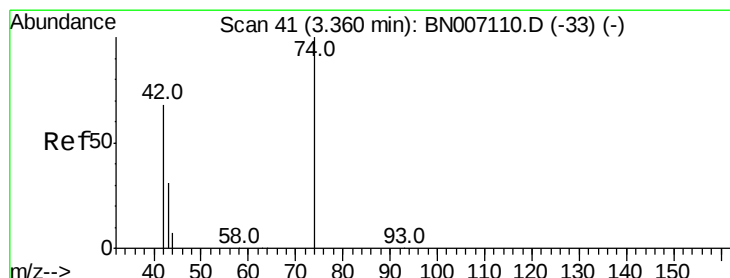
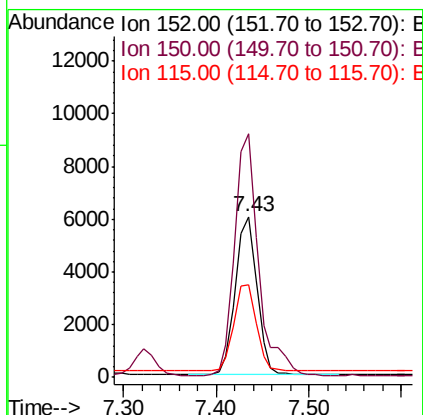
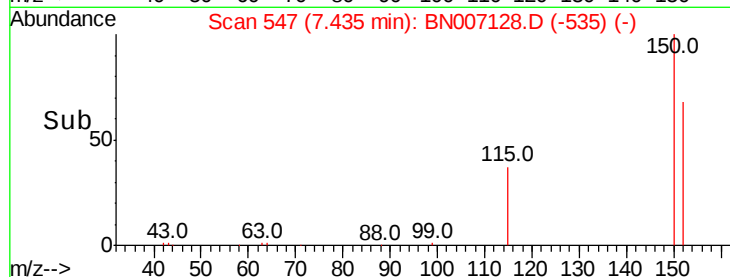
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007128.D
Acq: 13 Aug 2019 12:55

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 9540
Ion Ratio Lower Upper
152 100
150 151.7 121.7 182.5
115 58.1 46.2 69.4



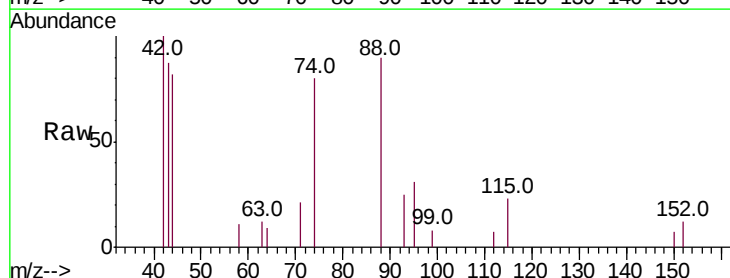
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



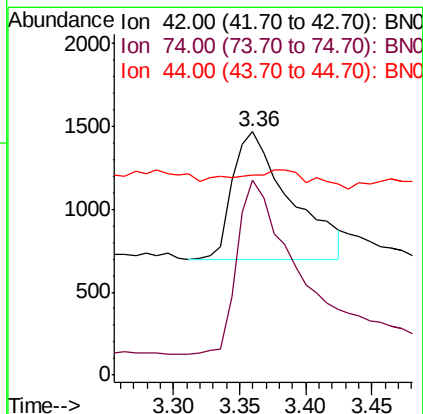
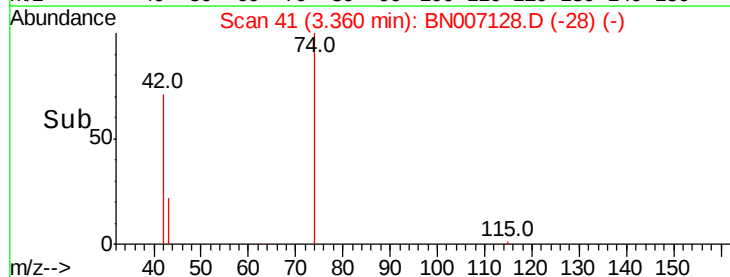
#2

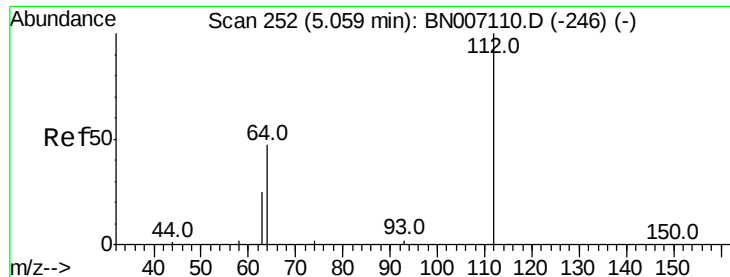
n-Nitrosodimethylamine
Concen: 0.373 ng
RT: 3.36 min Scan# 41
Delta R.T. 0.00 min
Lab File: BN007128.D
Acq: 13 Aug 2019 12:55

Tgt Ion: 42 Resp: 2341
Ion Ratio Lower Upper
42 100
74 135.2 110.6 166.0
44 11.7 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: 0.426 ng

RT: 5.06 min Scan# 252

Delta R.T. -0.00 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

Instrument :

BNA_N

ClientSampled :

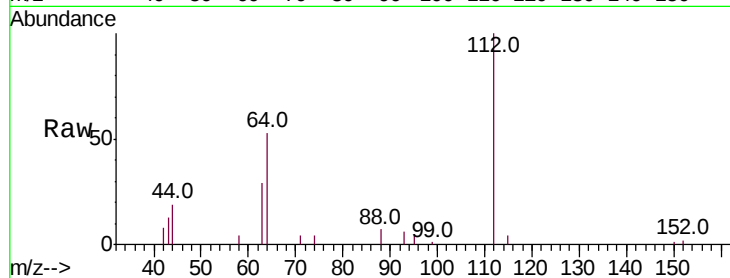
Tot Ion: 112 Resp: 9762

Ion Ratio Lower Upper

112 100

64 52.4 42.6 63.8

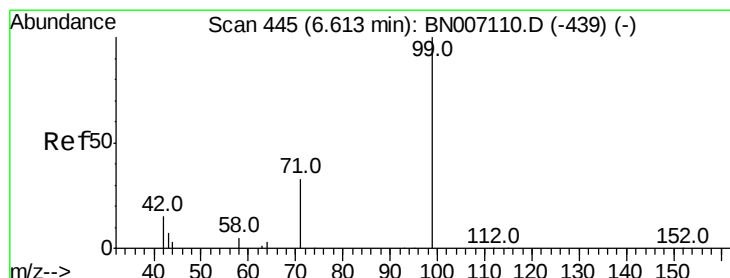
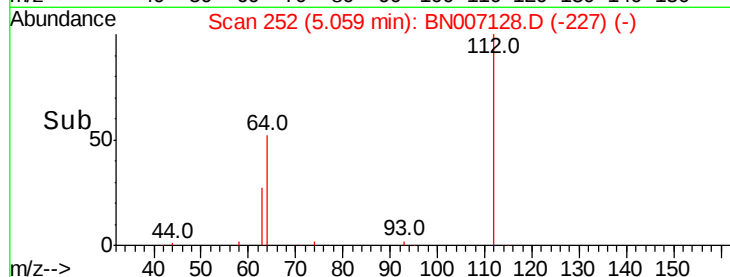
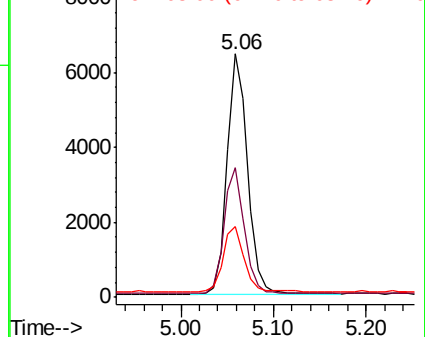
63 27.8 22.2 33.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#4

Phenol-d6

Concen: 0.437 ng

RT: 6.62 min Scan# 446

Delta R.T. 0.01 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

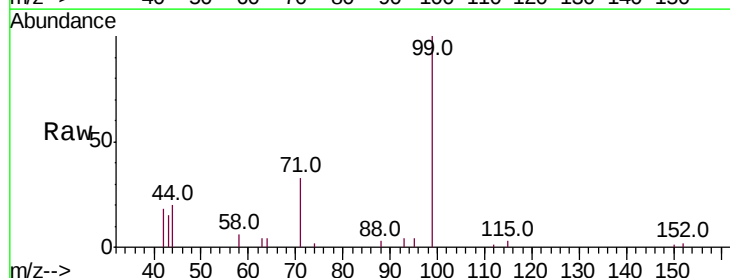
Tgt Ion: 99 Resp: 12402

Ion Ratio Lower Upper

99 100

42 18.6 15.8 23.6

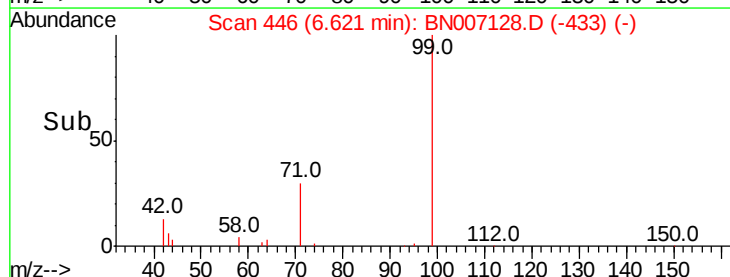
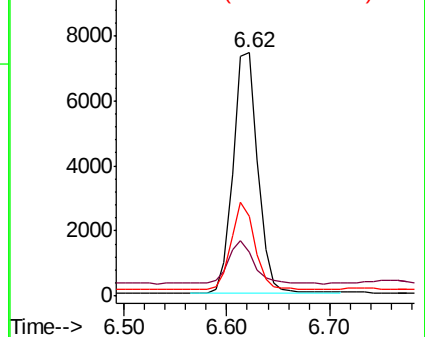
71 34.6 27.0 40.4

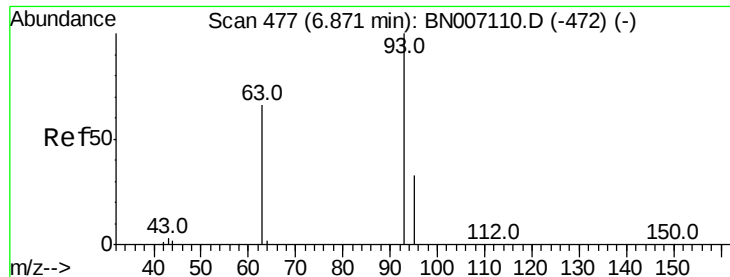


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B



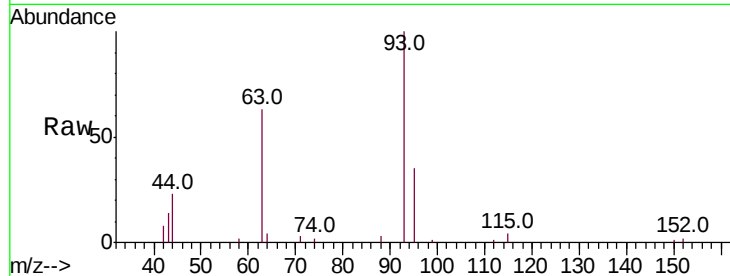


#5

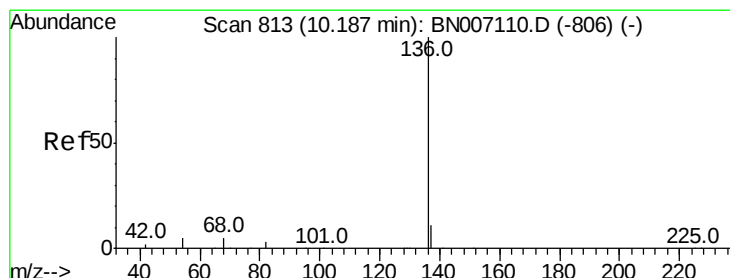
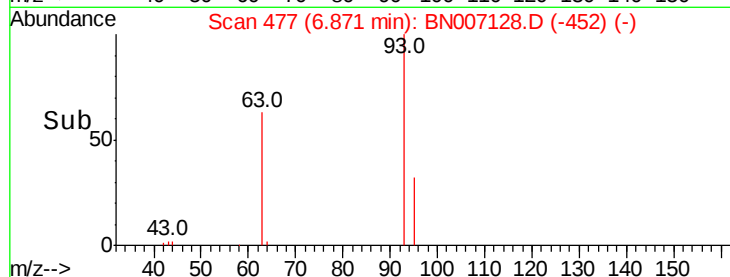
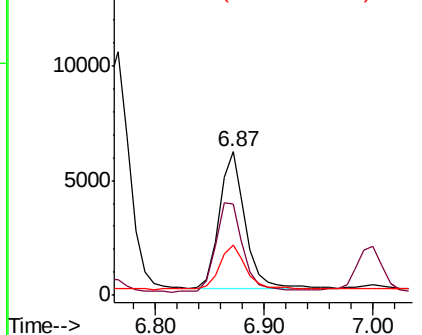
bis(2-Chloroethyl)ether
 Concen: 0.392 ng
 RT: 6.87 min Scan# 477
 Delta R.T. -0.00 min
 Lab File: BN007128.D
 Acq: 13 Aug 2019 12:55

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:	93	Resp:	9847
Ion	Ratio	Lower	Upper
93	100		
63	70.0	55.6	83.4
95	32.8	26.7	40.1



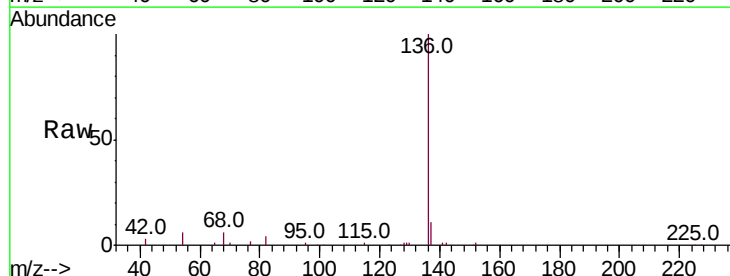
Abundance Ion 93.00 (92.70 to 93.70): BN0
 Ion 63.00 (62.70 to 63.70): BN0
 Ion 95.00 (94.70 to 95.70): BN0



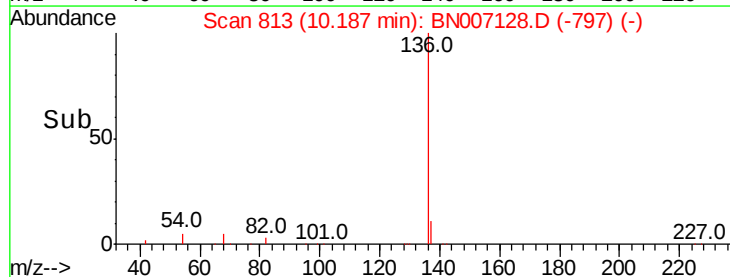
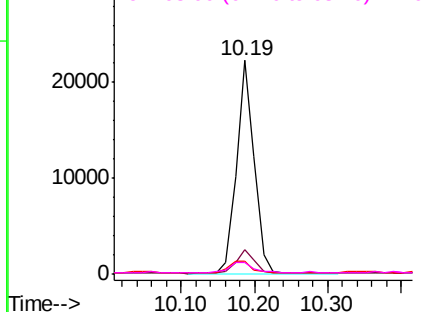
#6

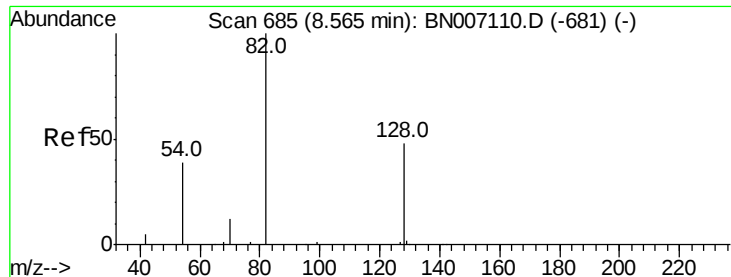
Naphthalene-d8
 Concen: 0.400 ng
 RT: 10.19 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BN007128.D
 Acq: 13 Aug 2019 12:55

Tgt Ion:	136	Resp:	36515
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.4	14.0
54	6.1	6.6	9.8#
68	5.6	6.0	9.0#



Abundance Ion 136.00 (135.70 to 136.70): E
 Ion 137.00 (136.70 to 137.70): E
 Ion 54.00 (53.70 to 54.70): BN0
 Ion 68.00 (67.70 to 68.70): BN0





#7

Nitrobenzene-d5

Concen: 0.410 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

Instrument :

BNA_N

ClientSampleId :

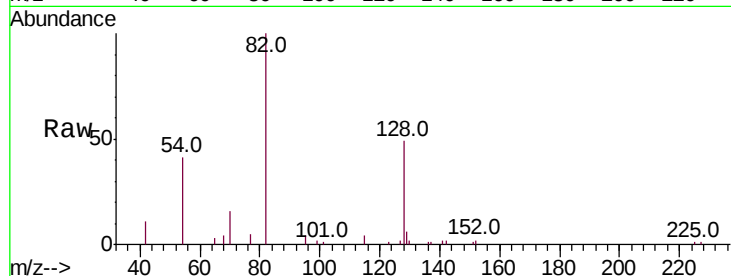
Tot Ion: 82 Resp: 12080

Ion Ratio Lower Upper

82 100

128 49.1 34.6 51.8

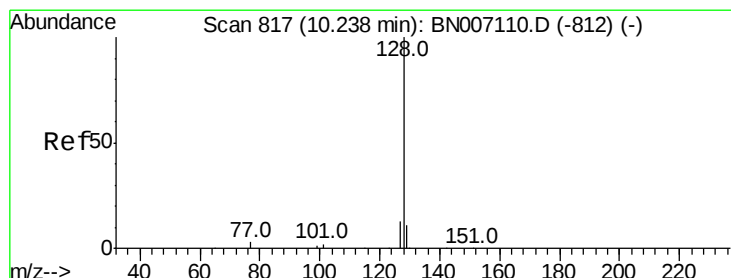
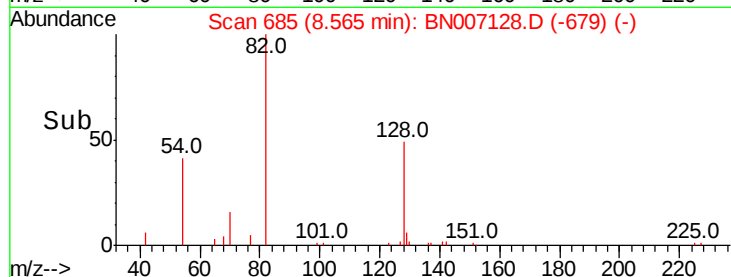
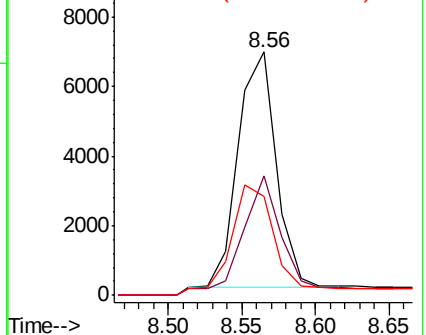
54 40.9 36.2 54.4



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

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

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



#8

Naphthalene

Concen: 0.376 ng

RT: 10.24 min Scan# 817

Delta R.T. -0.00 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

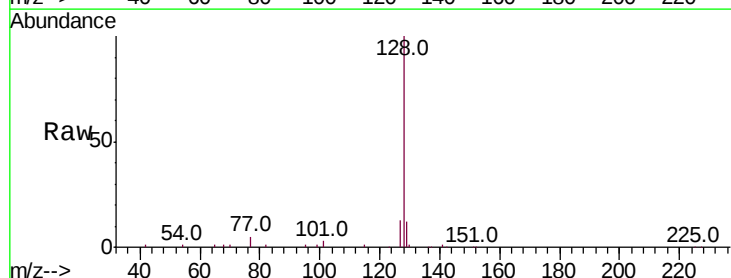
Tgt Ion: 128 Resp: 38548

Ion Ratio Lower Upper

128 100

129 11.6 9.4 14.2

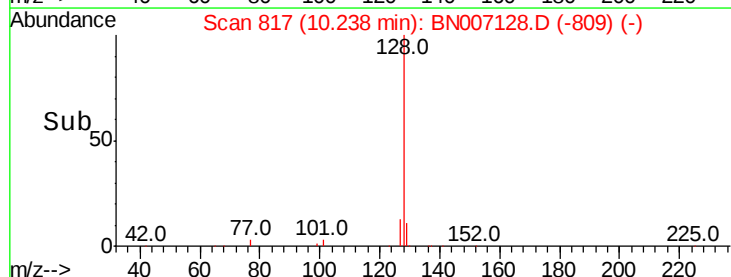
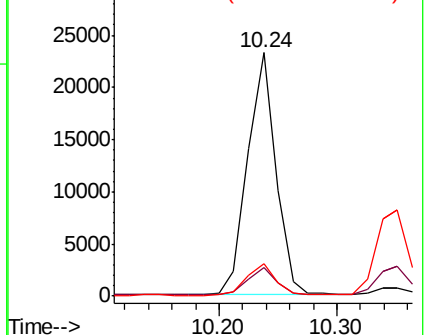
127 13.1 11.0 16.6

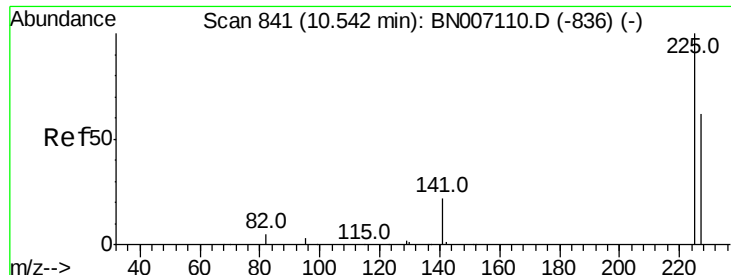


Abundance Ion 128.00 (127.70 to 128.70): BN007110.D (-812) (-)

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

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

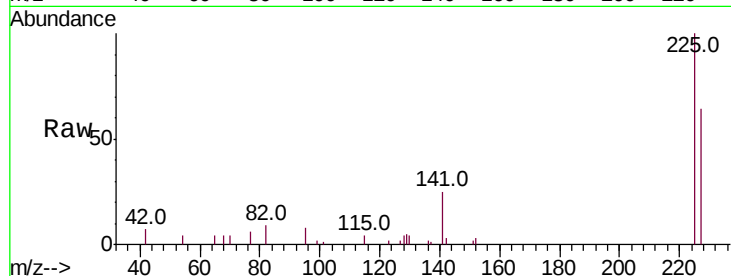




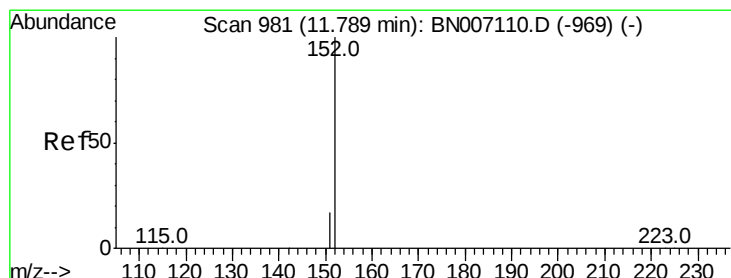
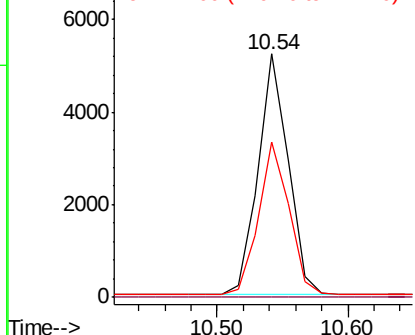
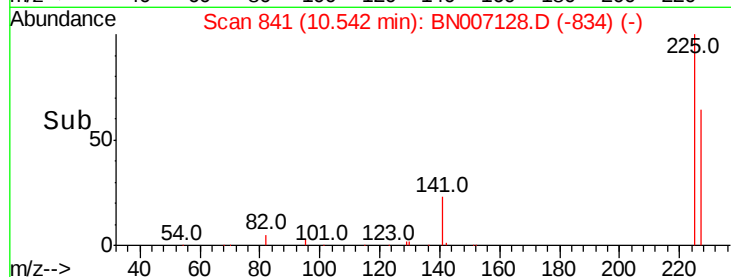
#9
Hexachlorobutadiene
Concen: 0.379 ng
RT: 10.54 min Scan# 841
Delta R.T. -0.01 min
Lab File: BN007128.D
Acq: 13 Aug 2019 12:55

Instrument :
BNA_N
ClientSampleId :

Tot Ion:225 Resp: 8277
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.1 51.1 76.7

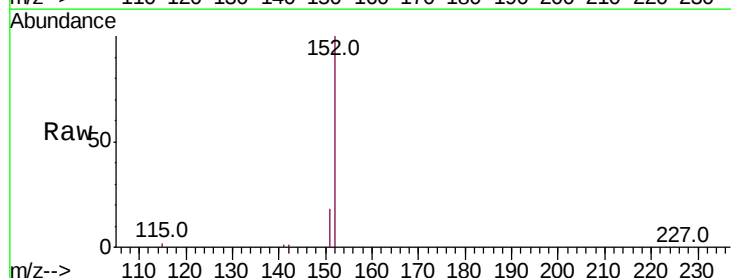


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

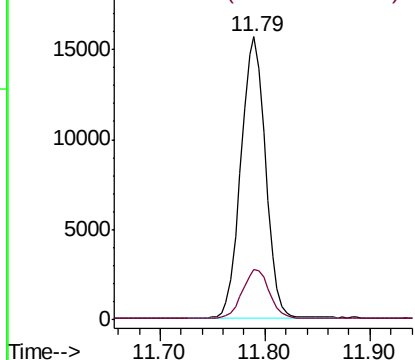
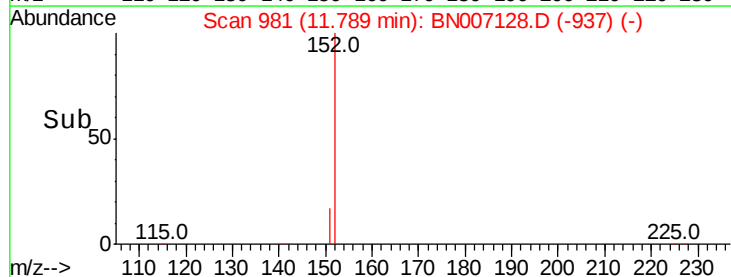


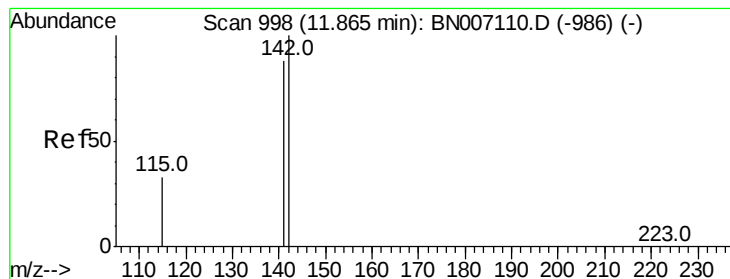
#10
2-Methylnaphthalene-d10
Concen: 0.370 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007128.D
Acq: 13 Aug 2019 12:55

Tgt Ion:152 Resp: 25218
Ion Ratio Lower Upper
152 100
151 19.1 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: 0.372 ng

RT: 11.87 min Scan# 998

Delta R.T. -0.00 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

Instrument :

BNA_N

ClientSampleId :

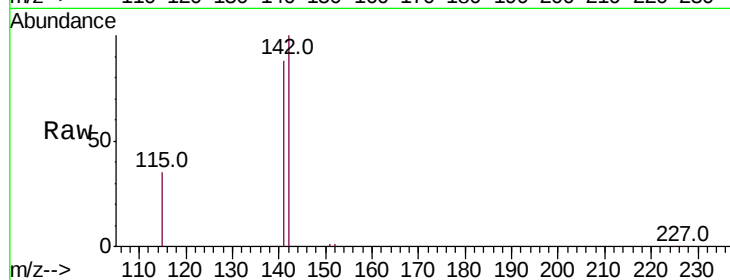
Tot Ion:142 Resp: 27020

Ion Ratio Lower Upper

142 100

141 87.9 69.0 103.6

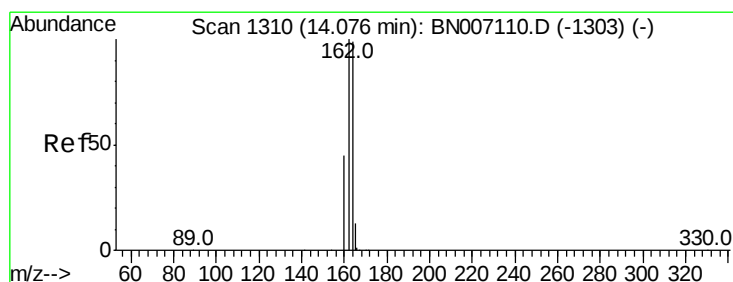
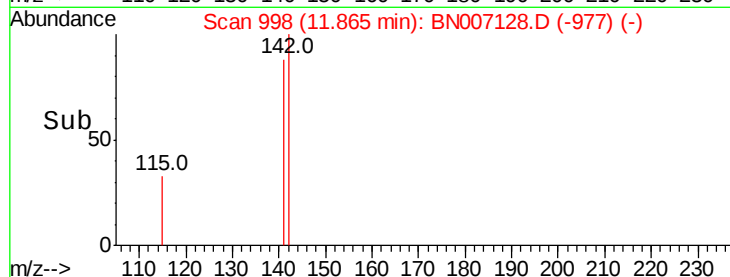
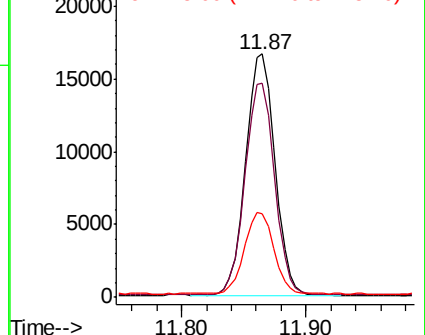
115 34.6 27.1 40.7



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: BN007128.D

Acq: 13 Aug 2019 12:55

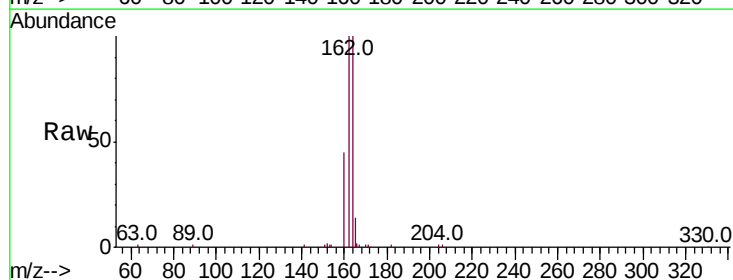
Tgt Ion:164 Resp: 20416

Ion Ratio Lower Upper

164 100

162 99.6 82.2 123.4

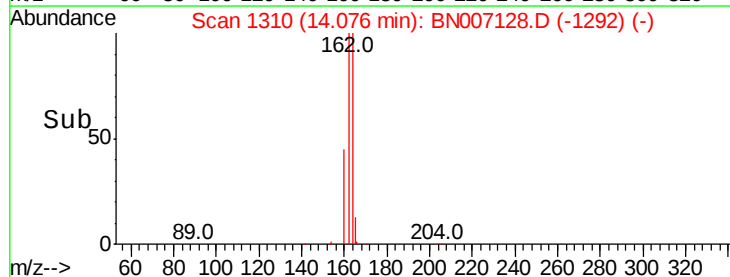
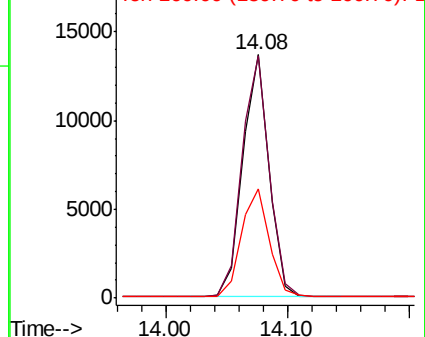
160 44.9 38.3 57.5

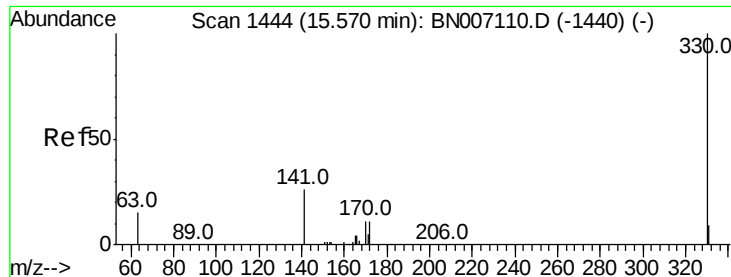


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

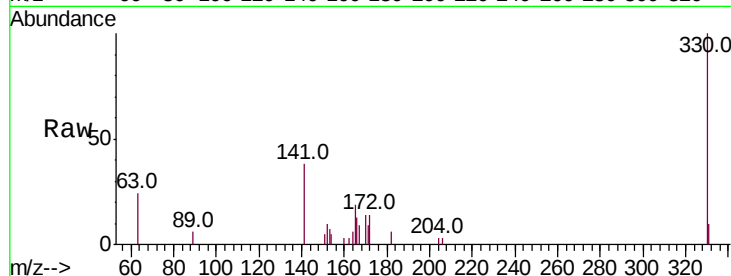




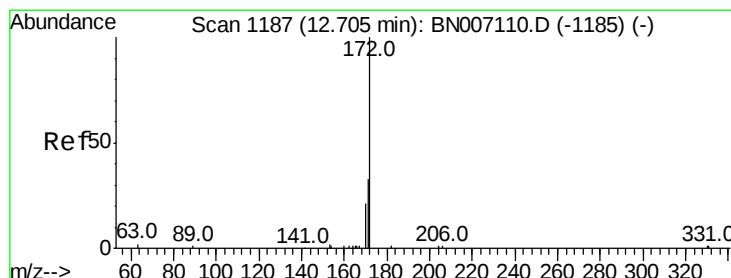
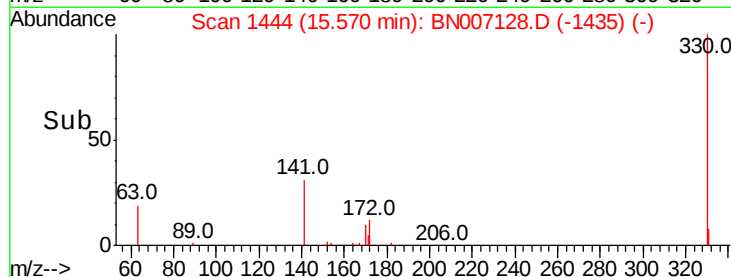
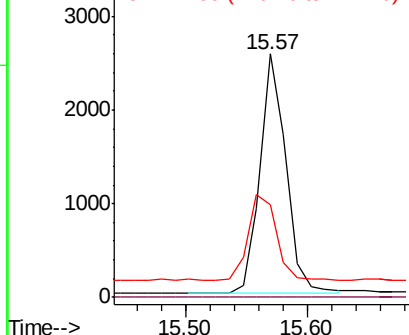
#13
 2,4,6-Tribromophenol
 Concen: 0.344 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007128.D
 Acq: 13 Aug 2019 12:55

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:330 Resp: 3777
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 40.2 33.6 50.4

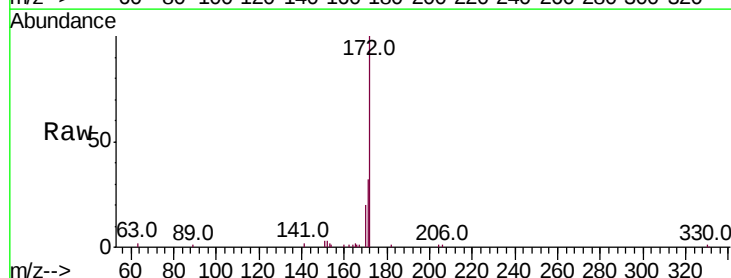


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

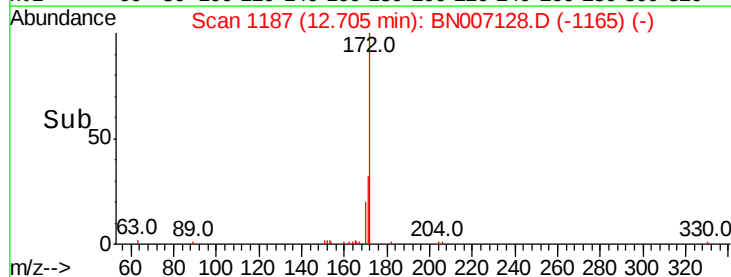
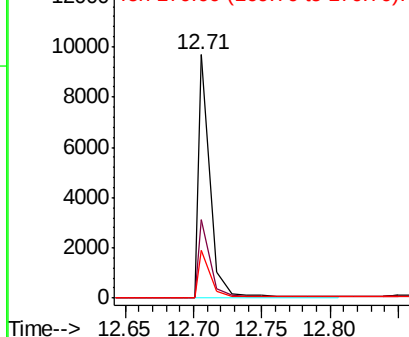


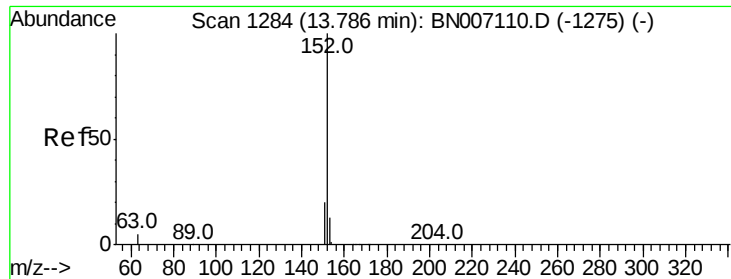
#14
 2-Fluorobiphenyl
 Concen: 0.230 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007128.D
 Acq: 13 Aug 2019 12:55

Tgt Ion:172 Resp: 6833
 Ion Ratio Lower Upper
 172 100
 171 32.0 26.3 39.5
 170 19.9 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: 0.487 ng

RT: 13.79 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

Instrument :

BNA_N

ClientSampleId :

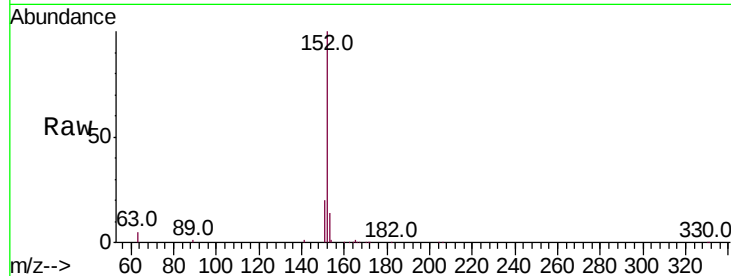
Tot Ion:152 Resp: 52005

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.6

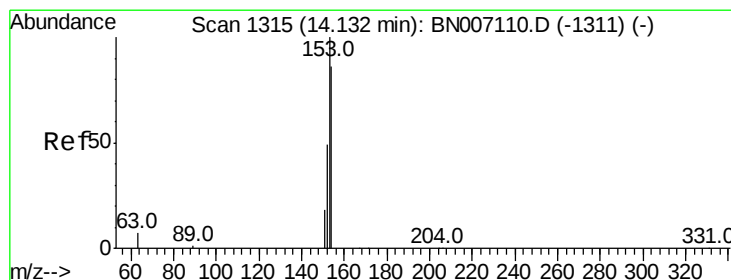
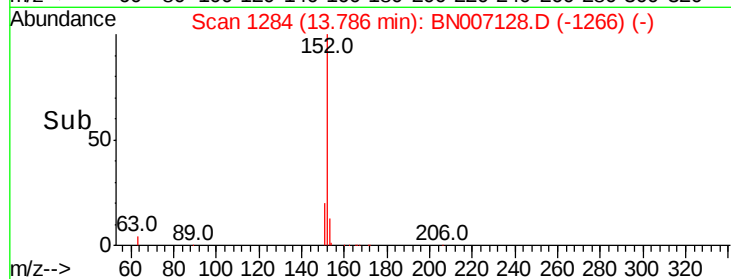
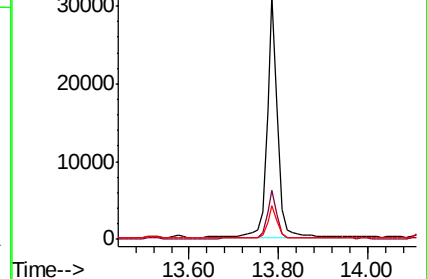
153 12.9 10.4 15.6



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: 0.385 ng

RT: 14.13 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

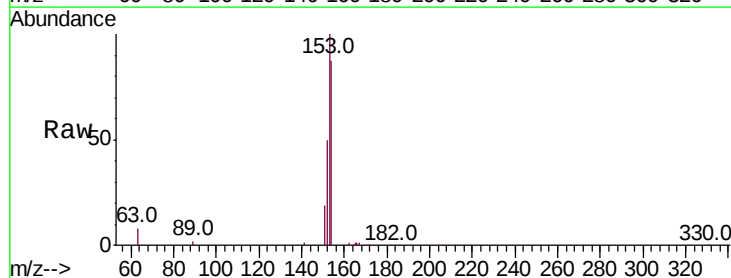
Tgt Ion:154 Resp: 26322

Ion Ratio Lower Upper

154 100

153 112.9 89.5 134.3

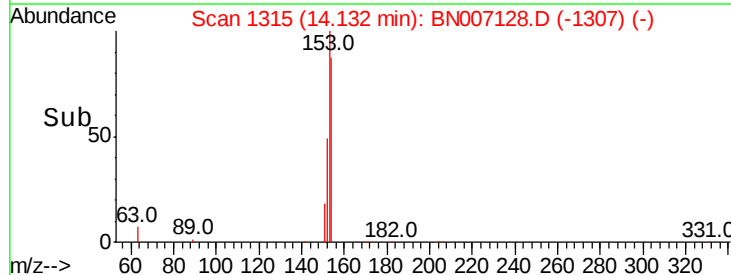
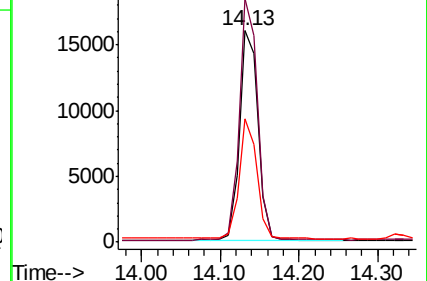
152 55.1 44.8 67.2

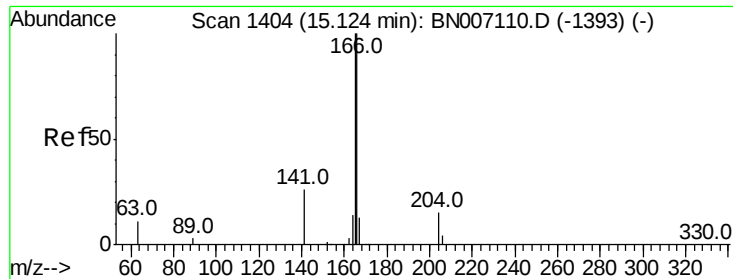


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

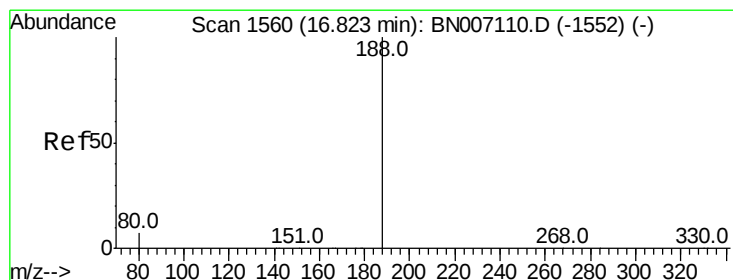
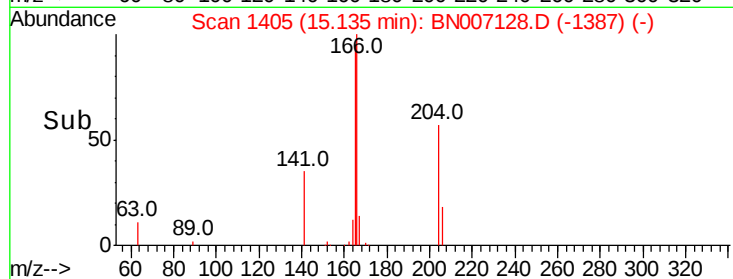
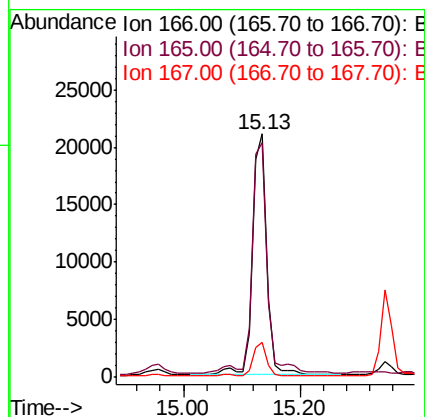
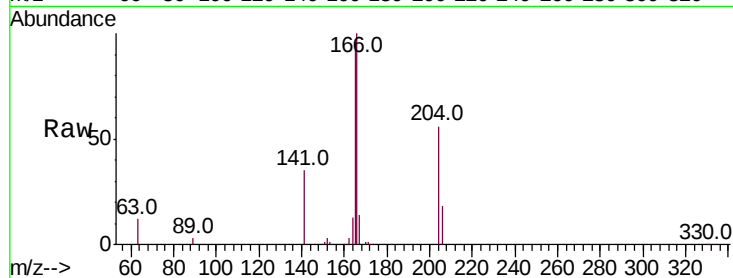




#17
 Fluorene
 Concen: 0.352 ng
 RT: 15.13 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: BN007128.D
 Acq: 13 Aug 2019 12:55

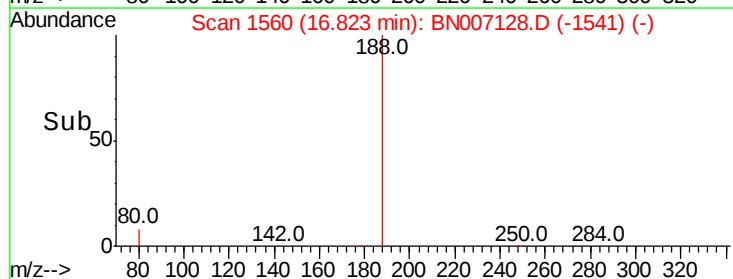
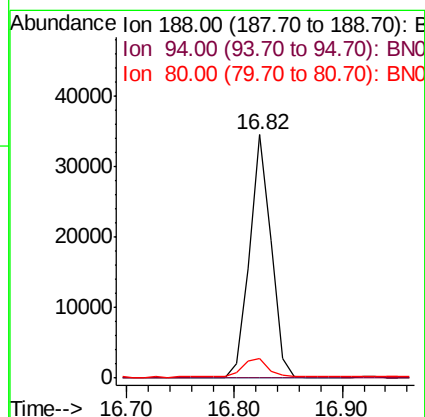
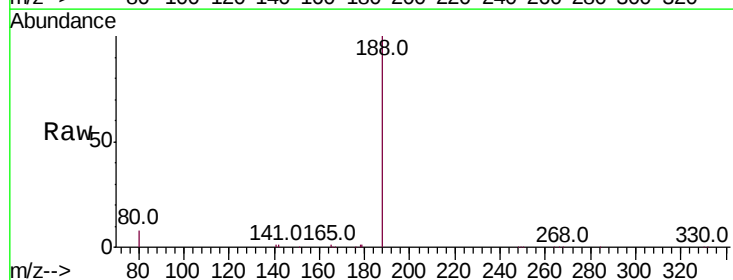
Instrument :
 BNA_N
 ClientSampleId :

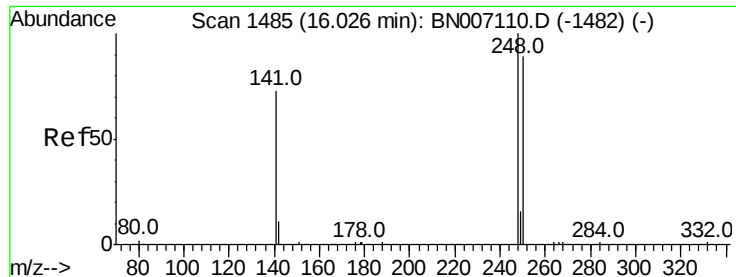
Tot Ion:166 Resp: 36001
 Ion Ratio Lower Upper
 166 100
 165 102.6 77.9 116.9
 167 12.8 10.9 16.3



#18
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BN007128.D
 Acq: 13 Aug 2019 12:55

Tgt Ion:188 Resp: 47430
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 8.1 7.8 11.6





#19

4-Bromophenyl-phenylether

Concen: 0.394 ng

RT: 16.03 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

Instrument :

BNA_N

ClientSampleId :

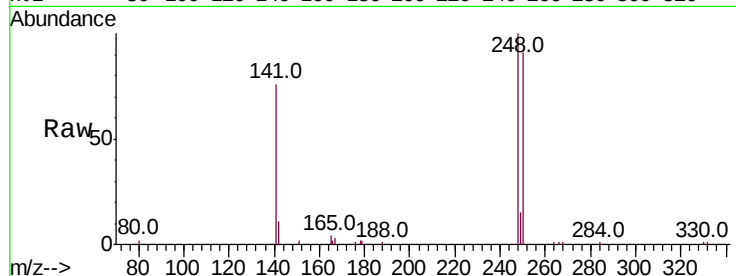
Tot Ion:248 Resp: 11567

Ion Ratio Lower Upper

248 100

250 91.1 78.9 118.3

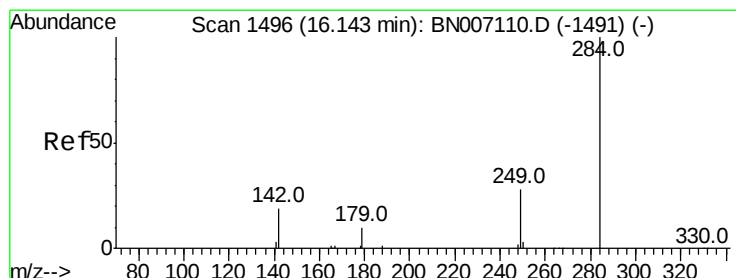
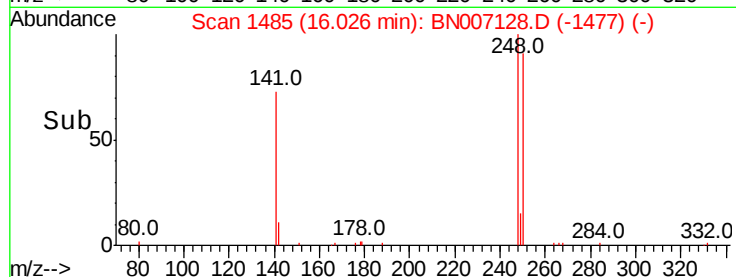
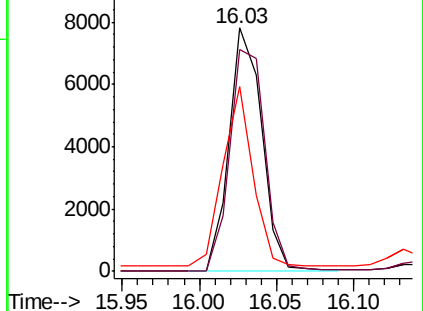
141 75.7 43.3 64.9#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#20

Hexachlorobenzene

Concen: 0.402 ng

RT: 16.14 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

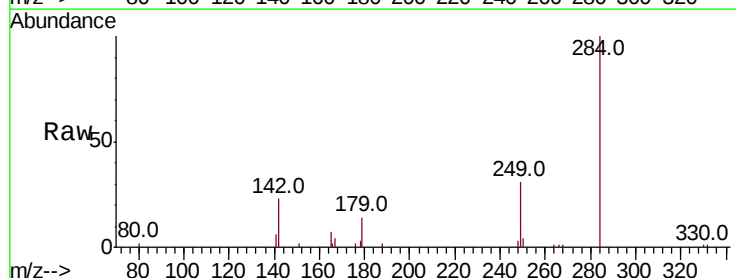
Tgt Ion:284 Resp: 11340

Ion Ratio Lower Upper

284 100

142 37.6 30.5 45.7

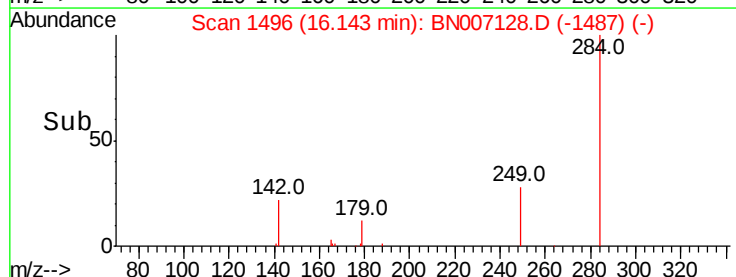
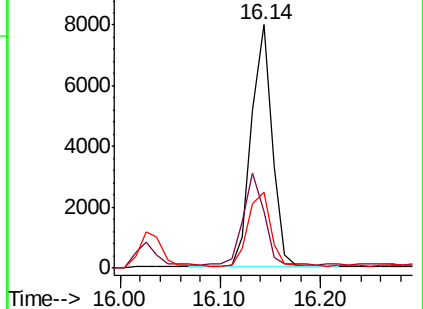
249 33.0 26.7 40.1

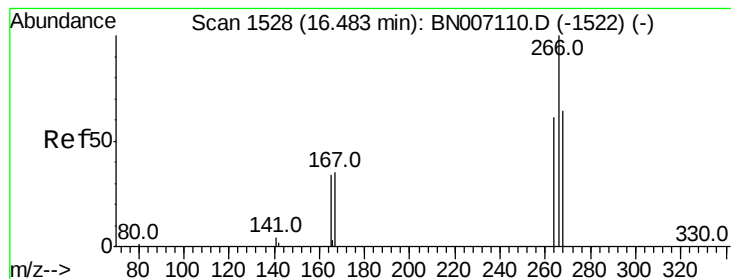


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#21

Pentachlorophenol

Concen: 0.385 ng

RT: 16.48 min Scan# 1528

Delta R.T. -0.00 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

Instrument :

BNA_N

ClientSampleId :

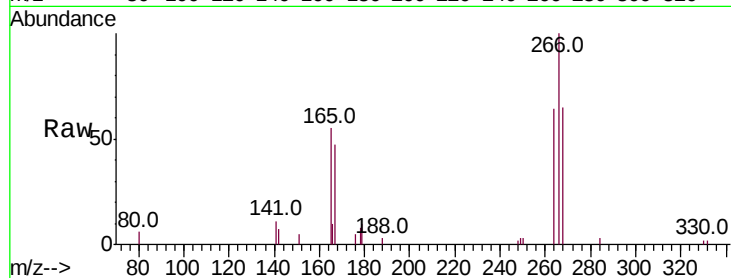
Tot Ion:266 Resp: 4053

Ion Ratio Lower Upper

266 100

264 63.9 52.3 78.5

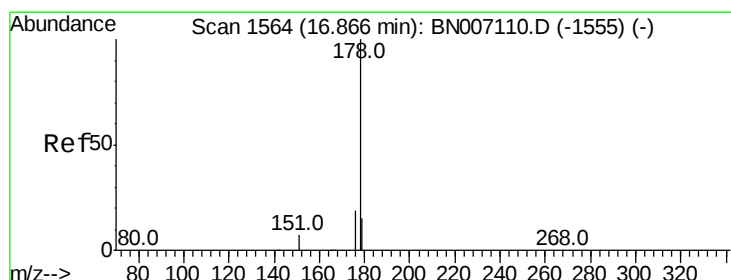
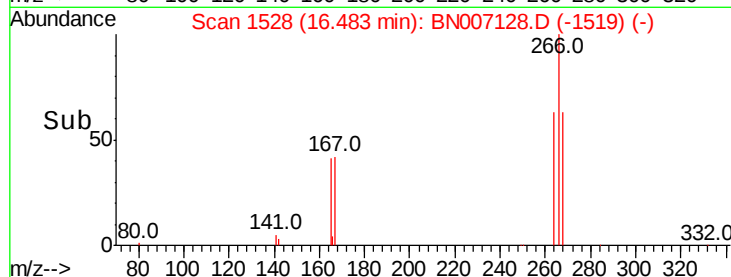
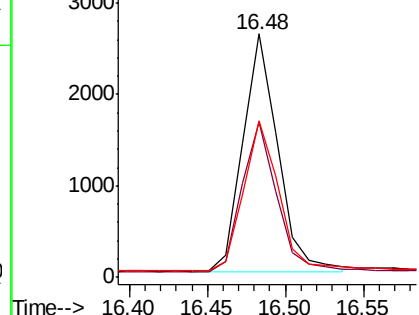
268 64.5 51.5 77.3



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: 0.390 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

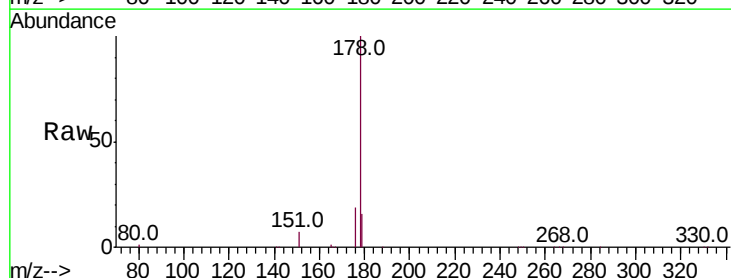
Tgt Ion:178 Resp: 55401

Ion Ratio Lower Upper

178 100

176 19.1 15.2 22.8

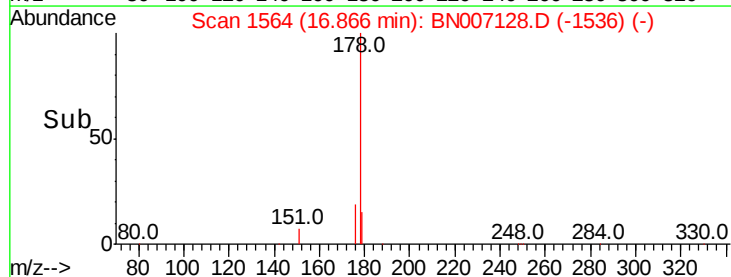
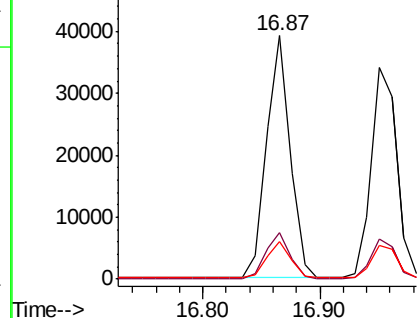
179 15.5 12.3 18.5

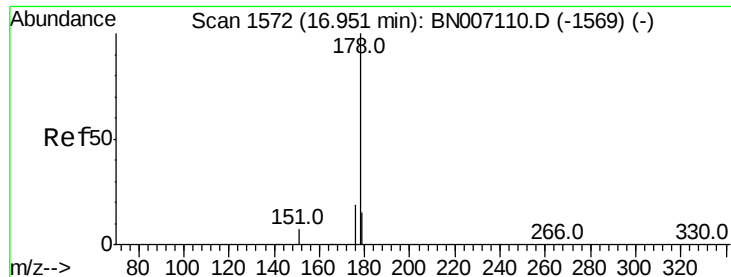


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 0.402 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

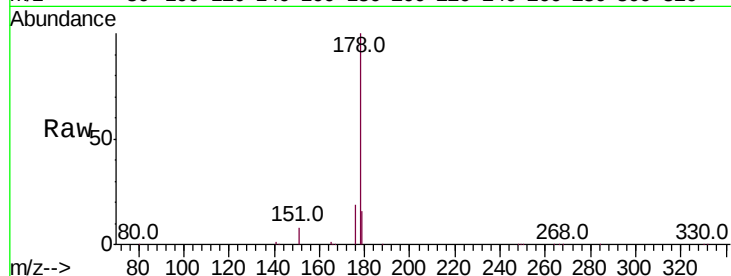
Instrument :

BNA_N

ClientSampled :

Tot Ion:178 Resp: 52150

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.1	12.5	18.7

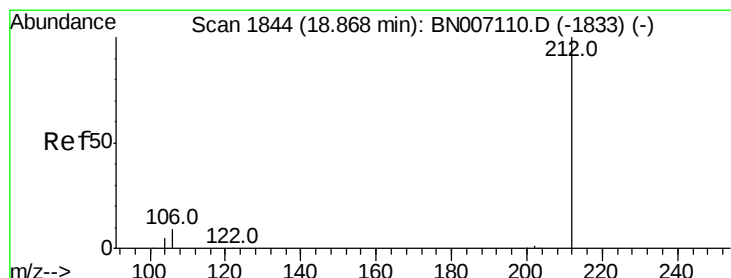
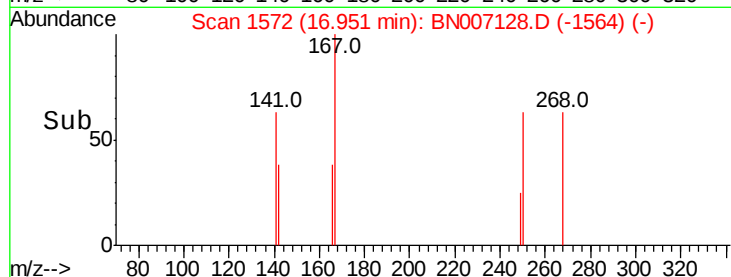
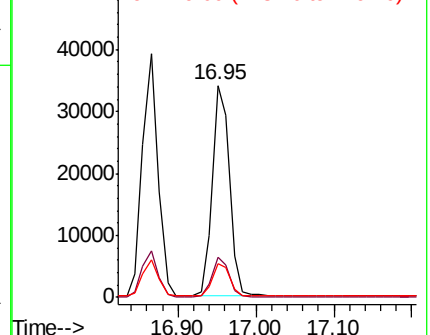


Abundance

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: 0.357 ng

RT: 18.87 min Scan# 1844

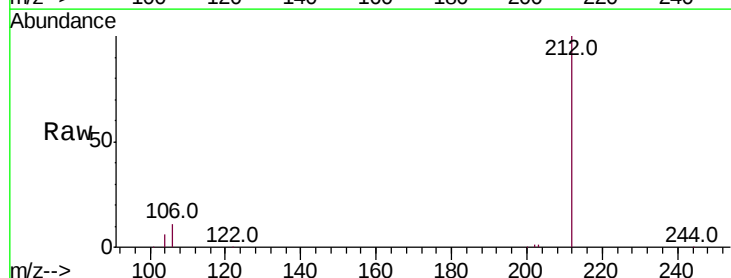
Delta R.T. -0.01 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

Tgt Ion:212 Resp: 60066

Ion	Ratio	Lower	Upper
212	100		
106	10.4	8.2	12.2
104	5.7	4.5	6.7

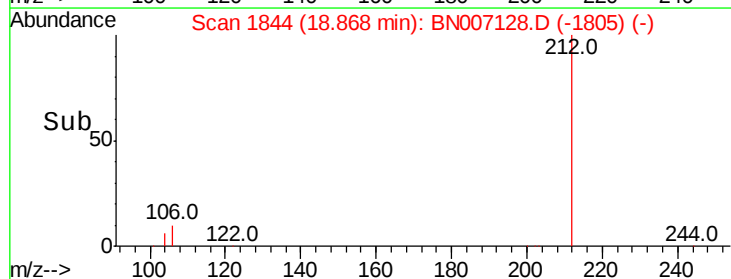
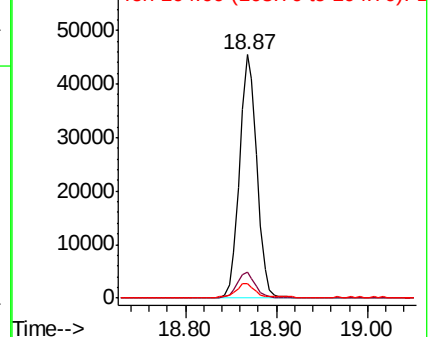


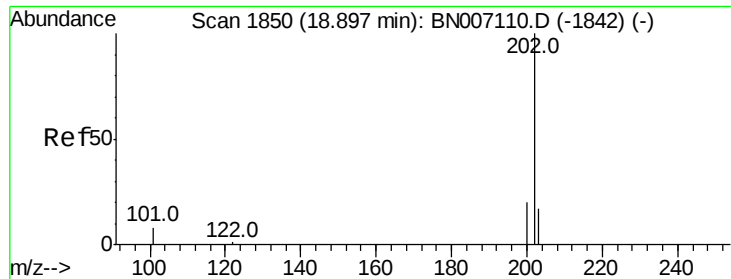
Abundance

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

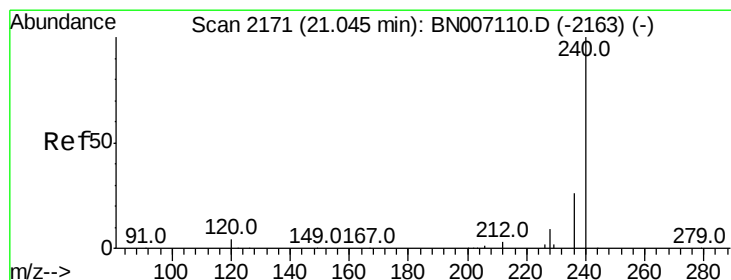
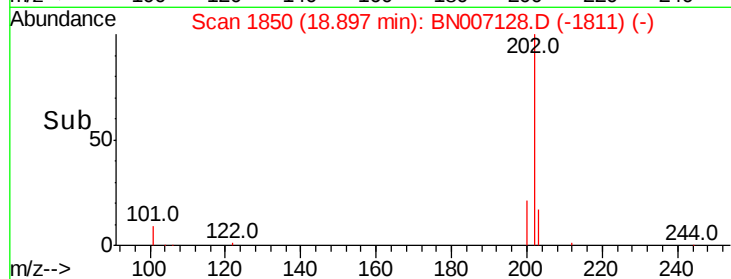
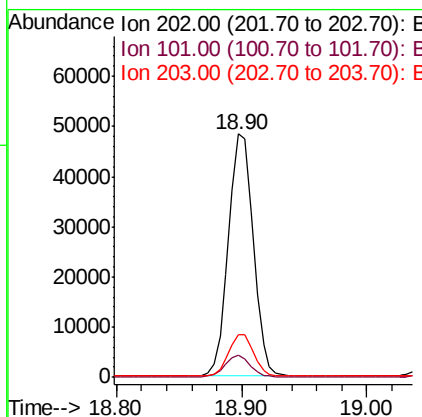
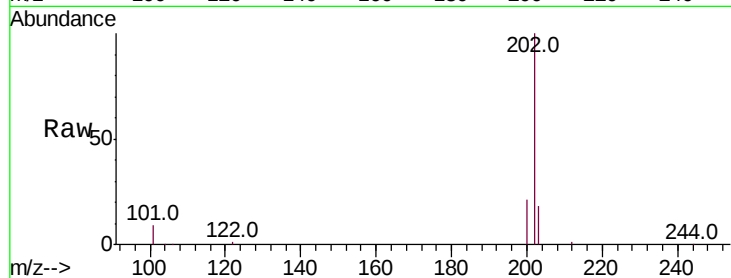




#25
 Fluoranthene
 Concen: 0.364 ng
 RT: 18.90 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BN007128.D
 Acq: 13 Aug 2019 12:55

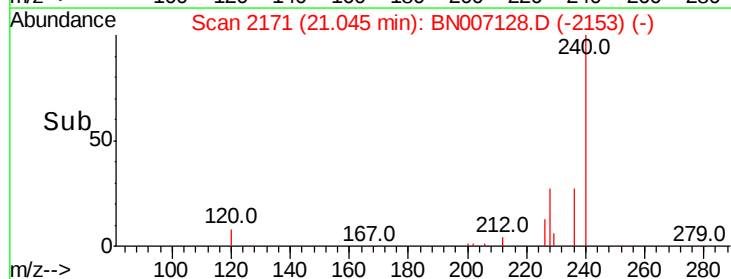
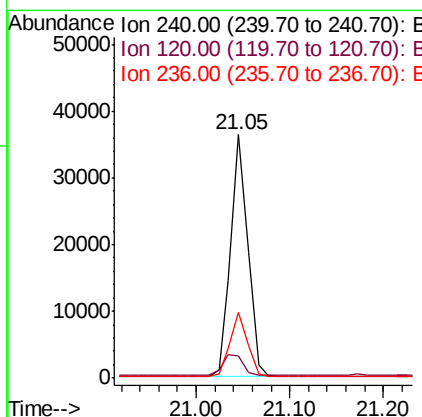
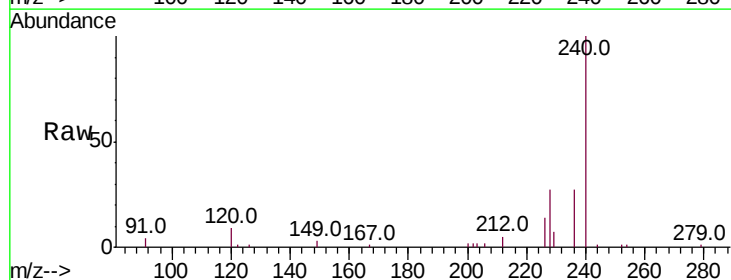
Instrument :
 BNA_N
 ClientSampleId :

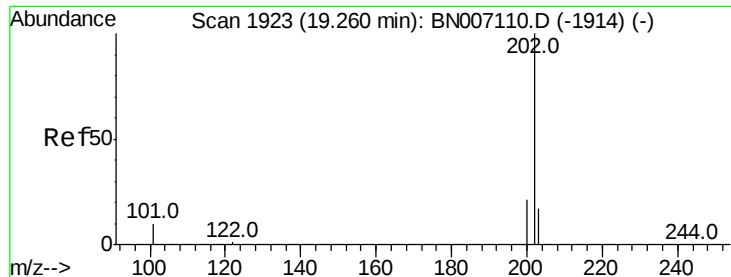
Tot Ion:202 Resp: 66122
 Ion Ratio Lower Upper
 202 100
 101 8.9 7.0 10.4
 203 17.2 13.8 20.8



#26
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.05 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: BN007128.D
 Acq: 13 Aug 2019 12:55

Tgt Ion:240 Resp: 46189
 Ion Ratio Lower Upper
 240 100
 120 8.9 4.0 6.0#
 236 27.2 21.3 31.9





#27

Pvrene

Concen: 0.423 ng

RT: 19.26 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

Instrument :

BNA_N

ClientSampleId :

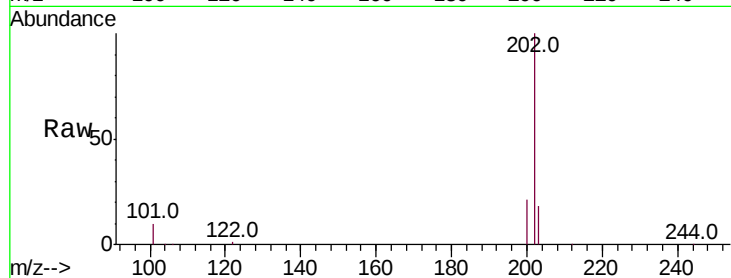
Tot Ion:202 Resp: 68593

Ion Ratio Lower Upper

202 100

200 20.8 16.6 24.8

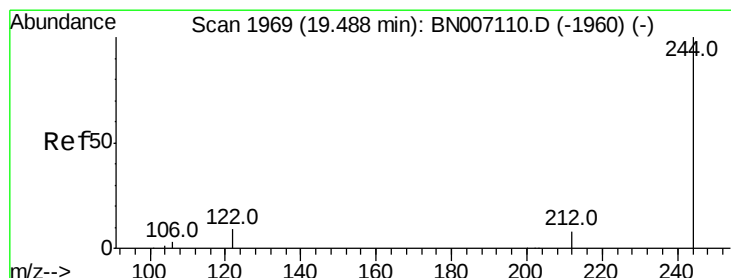
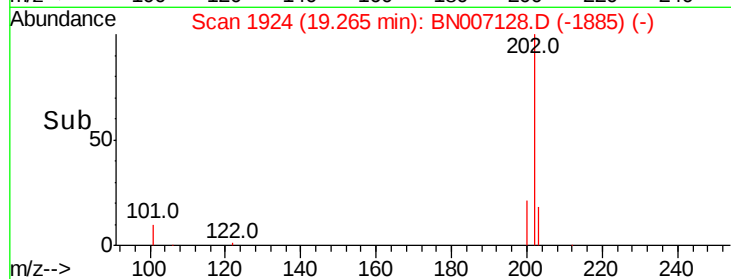
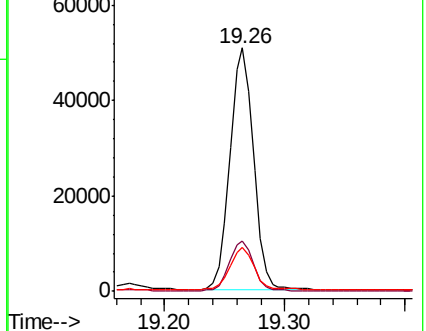
203 18.7 14.0 21.0



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: 0.413 ng

RT: 19.49 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

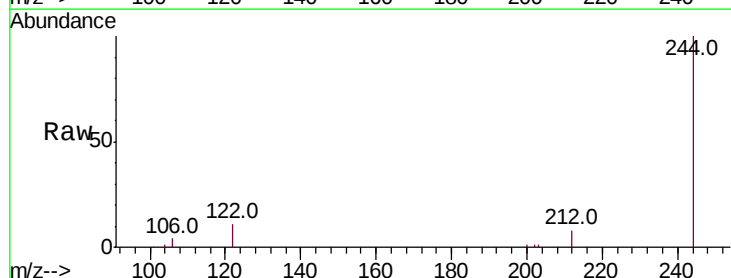
Tgt Ion:244 Resp: 51973

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

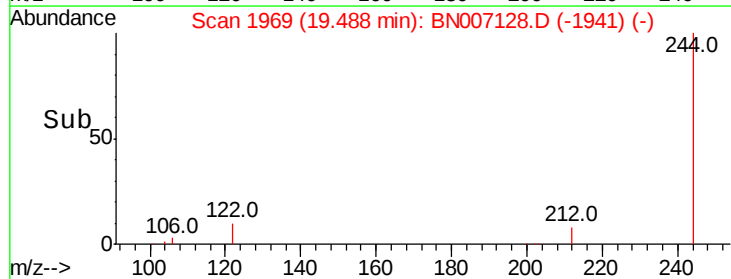
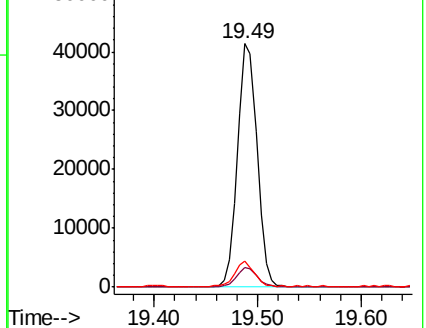
122 10.6 7.4 11.2

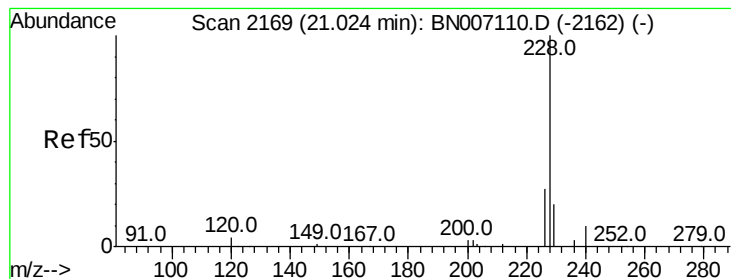


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Benzo(a)anthracene

Concen: 0.400 ng

RT: 21.03 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

Instrument :

BNA_N

ClientSampleId :

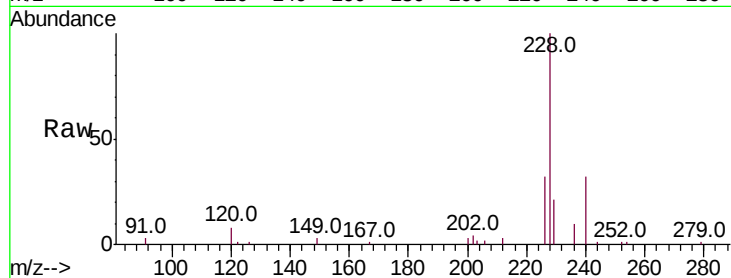
Tot Ion:228 Resp: 67576

Ion Ratio Lower Upper

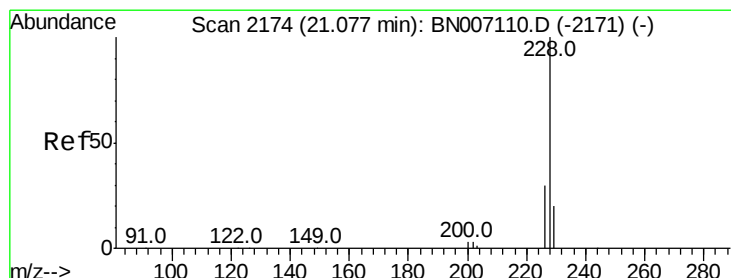
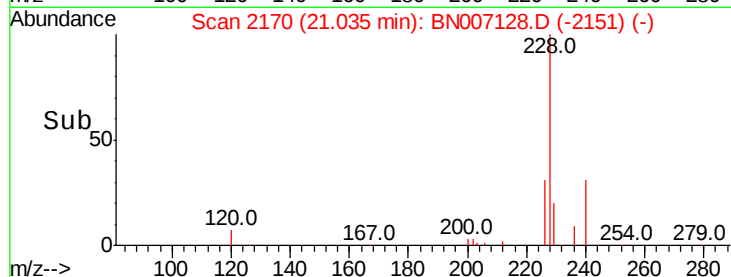
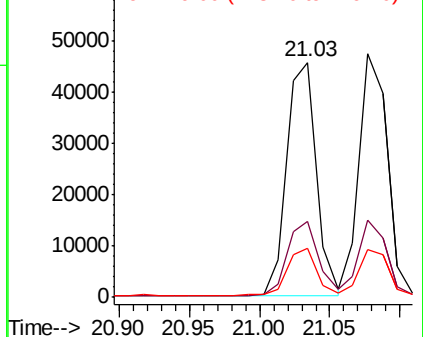
228 100

226 32.0 21.8 32.6

229 20.8 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: 0.399 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

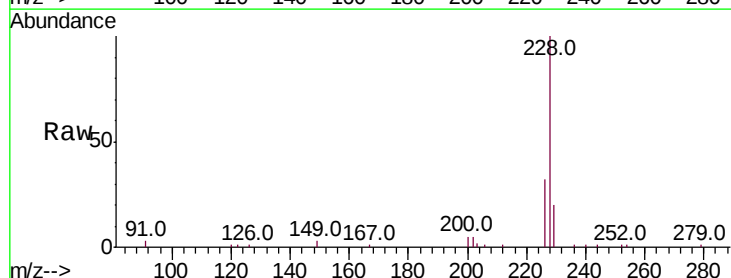
Tgt Ion:228 Resp: 65539

Ion Ratio Lower Upper

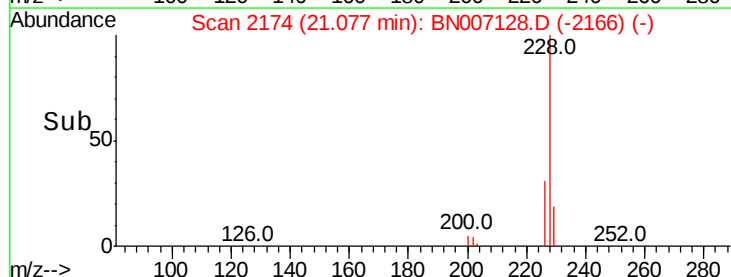
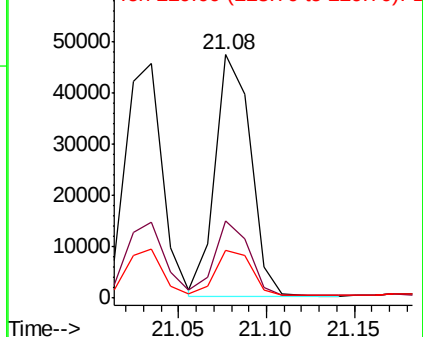
228 100

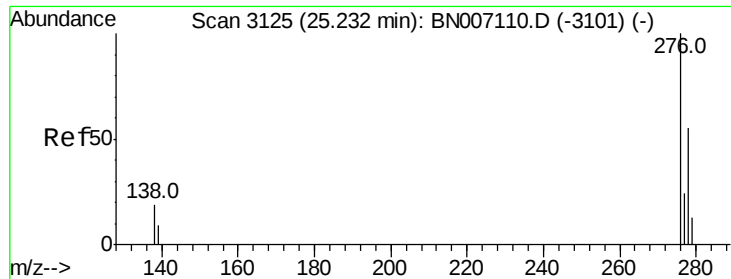
226 31.8 23.8 35.6

229 19.8 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: 0.429 ng

RT: 25.24 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

Instrument :

BNA_N

ClientSampleId :

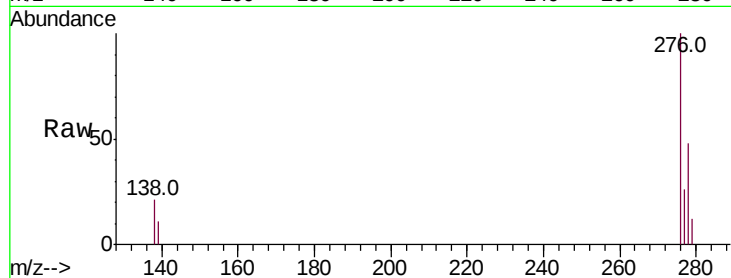
Tot Ion:276 Resp: 77647

Ion Ratio Lower Upper

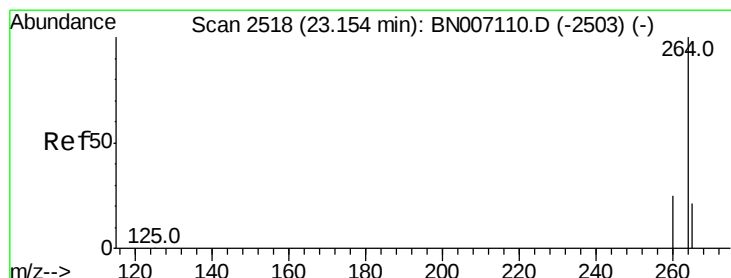
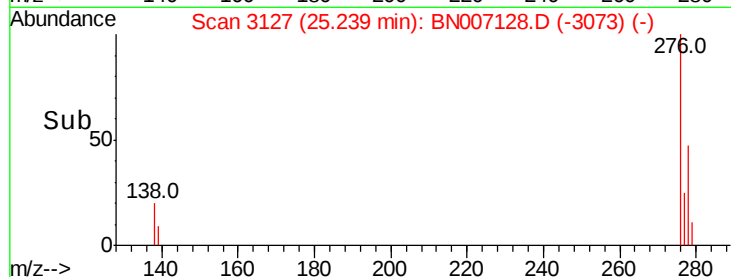
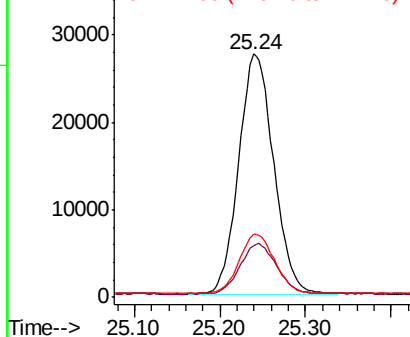
276 100

138 21.8 16.0 24.0

277 24.7 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: BN007128.D

Acq: 13 Aug 2019 12:55

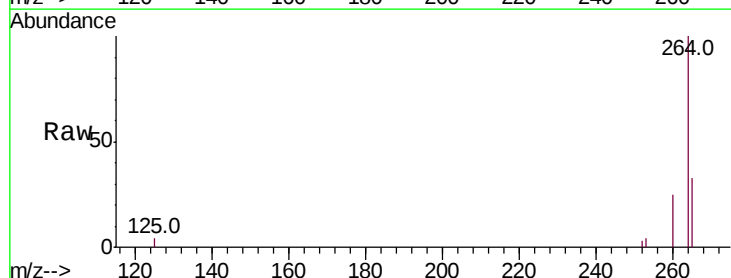
Tgt Ion:264 Resp: 51529

Ion Ratio Lower Upper

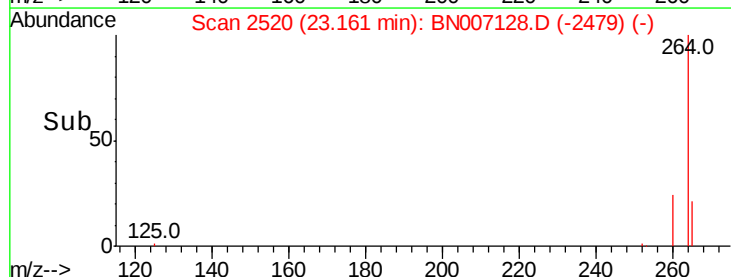
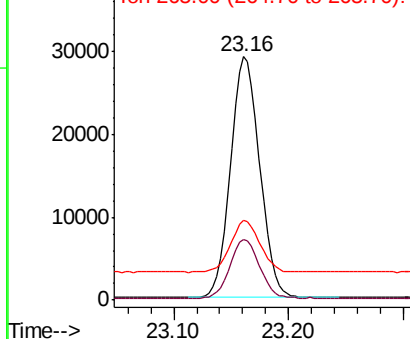
264 100

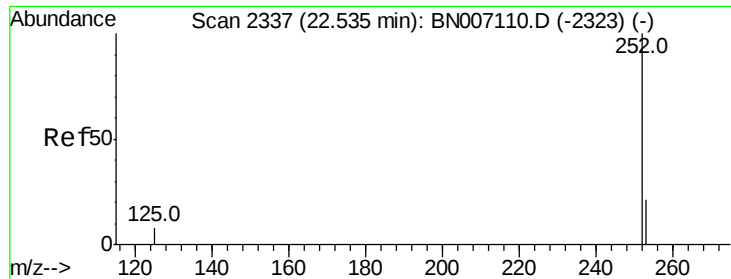
260 25.0 19.8 29.8

265 32.7 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: 0.390 ng

RT: 22.54 min Scan# 2338

Delta R.T. -0.01 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

Instrument :

BNA_N

ClientSampleId :

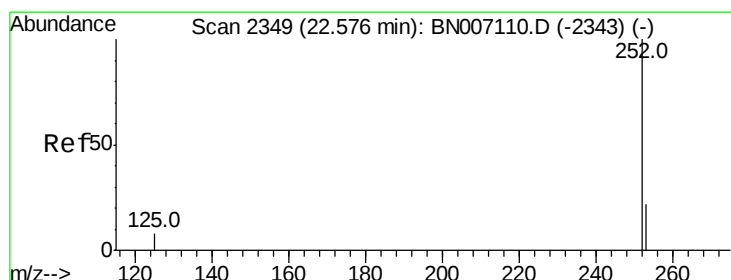
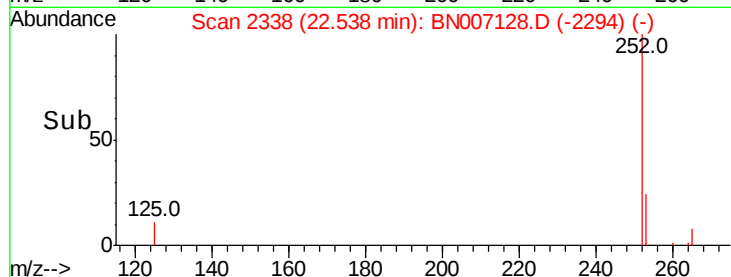
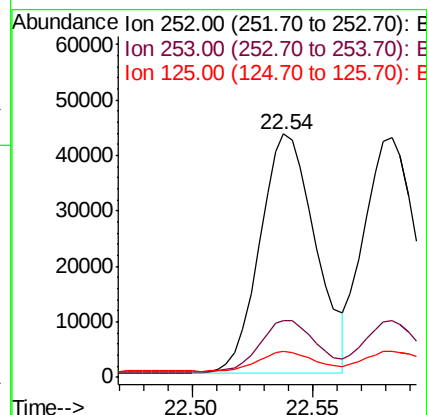
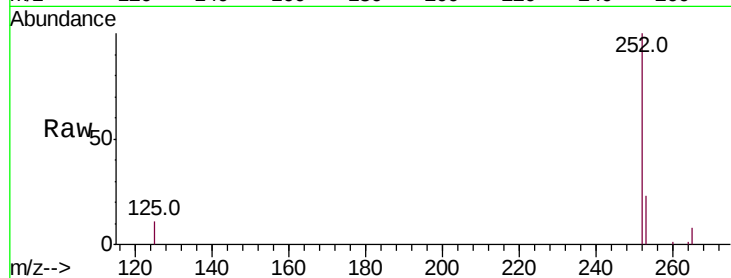
Tot Ion:252 Resp: 68990

Ion Ratio Lower Upper

252 100

253 23.5 18.2 27.2

125 10.5 7.4 11.0



#34

Benzo(k)fluoranthene

Concen: 0.373 ng

RT: 22.58 min Scan# 2351

Delta R.T. -0.01 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

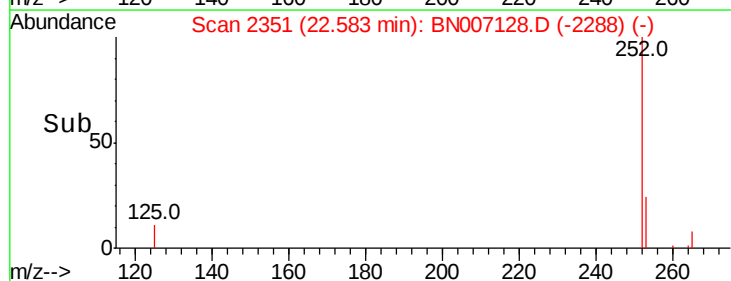
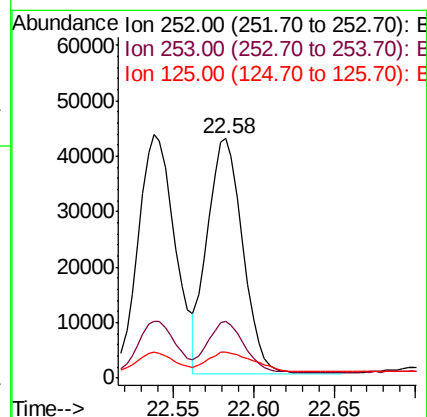
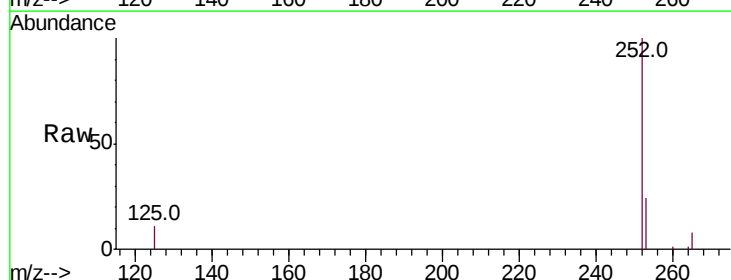
Tgt Ion:252 Resp: 65073

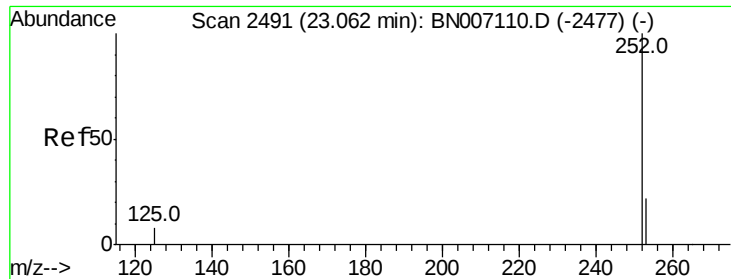
Ion Ratio Lower Upper

252 100

253 23.7 18.1 27.1

125 10.8 7.4 11.0





#35

Benzo(a)pyrene

Concen: 0.397 ng

RT: 23.07 min Scan# 2493

Delta R.T. -0.01 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

Instrument :

BNA_N

ClientSampleId :

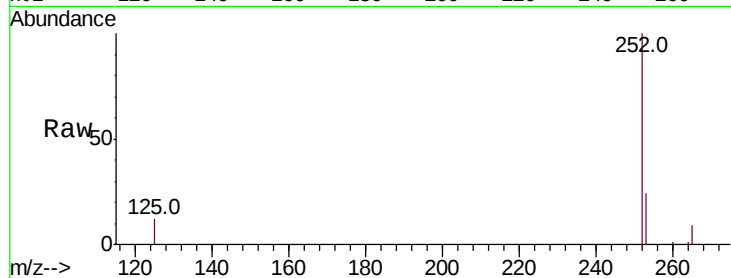
Tot Ion:252 Resp: 63525

Ion Ratio Lower Upper

252 100

253 23.5 18.5 27.7

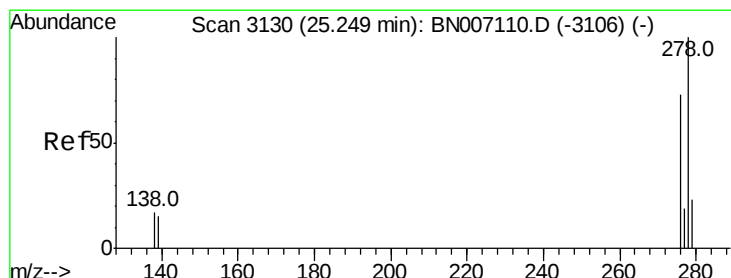
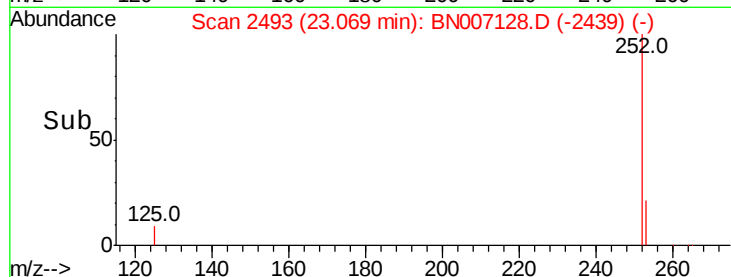
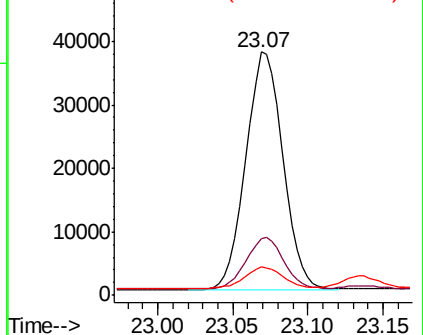
125 11.5 8.2 12.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Dibenzo(a,h)anthracene

Concen: 0.394 ng

RT: 25.26 min Scan# 3133

Delta R.T. -0.01 min

Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

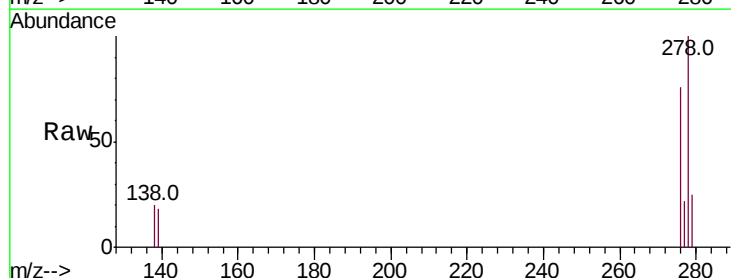
Tgt Ion:278 Resp: 63025

Ion Ratio Lower Upper

278 100

139 17.5 11.3 16.9#

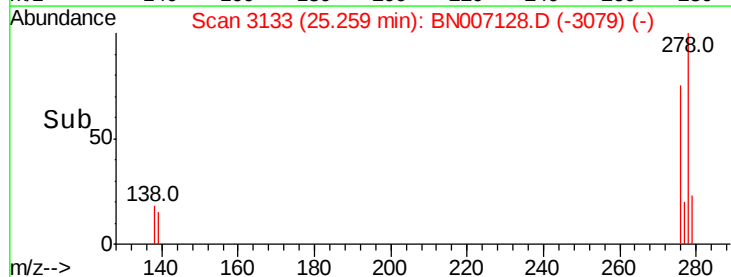
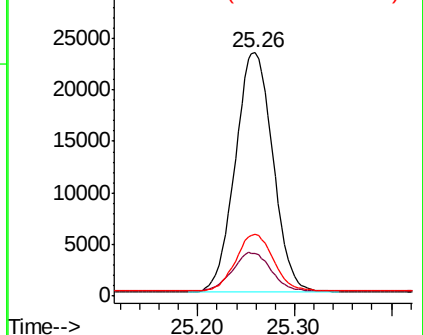
279 25.3 19.3 28.9

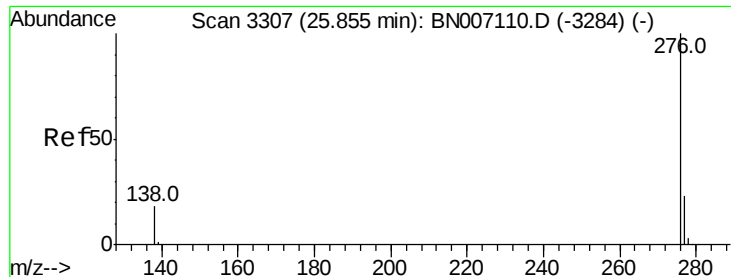


Abundance Ion 278.00 (277.70 to 278.70): E

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: 25.87 min Scan# 3312

Delta R.T. -0.01 min

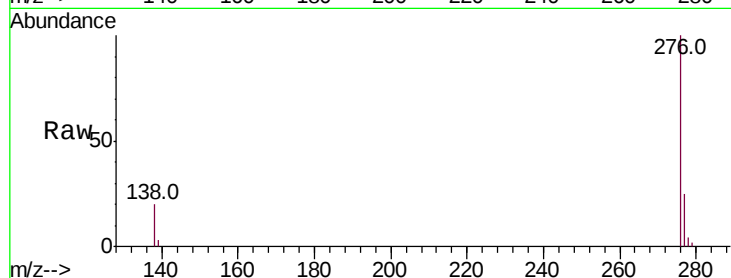
Lab File: BN007128.D

Acq: 13 Aug 2019 12:55

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 63968

Ion Ratio Lower Upper

276 100

277 25.5 19.8 29.8

138 19.6 14.6 22.0

