

Data File : BN007223.D
Acq On : 16 Aug 2019 15:12
Operator : HP/JU
Sample : PB122289BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Quant Time: Aug 17 00:58:13 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	7.42	152	6771	0.40	ng	-0.02
6) Naphthalene-d8	10.17	136	24891	0.40	ng	-0.01
12) Acenaphthene-d10	14.06	164	13907	0.40	ng	-0.01
18) Phenanthrene-d10	16.81	188	34073	0.40	ng	-0.01
26) Chrysene-d12	21.03	240	35016	0.40	ng	-0.02
32) Perylene-d12	23.15	264	37648	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.05	112	6666	0.41	ng	0.00
4) Phenol-d6	6.61	99	8511	0.42	ng	0.00
7) Nitrobenzene-d5	8.55	82	6474	0.32	ng	-0.01
10) 2-Methylnaphthalene-d10	11.78	152	19484	0.42	ng	-0.01
13) 2,4,6-Tribromophenol	15.56	330	2262	0.30	ng	-0.01
14) 2-Fluorobiphenyl	12.71	172	919	0.05	ng	0.00
24) Fluoranthene-d10	18.86	212	37146	0.31	ng	-0.01
28) Terphenyl-d14	19.48	244	28537	0.30	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.34	42	1521	0.341	ng	# 79
5) bis(2-Chloroethyl)ether	6.85	93	6634	0.372	ng	100
8) Naphthalene	10.22	128	24694	0.354	ng	99
9) Hexachlorobutadiene	10.53	225	5103	0.343	ng	# 99
11) 2-Methylnaphthalene	11.85	142	17578	0.355	ng	97
15) Acenaphthylene	13.78	152	26872	0.370	ng	100
16) Acenaphthene	14.13	154	16442	0.353	ng	99
17) Fluorene	15.12	166	21389	0.307	ng	99
19) 4-Bromophenyl-phenylether	16.03	248	7193	0.341	ng	94
20) Hexachlorobenzene	16.13	284	7526	0.371	ng	99
21) Pentachlorophenol	16.47	266	4828	0.639	ng	99
22) Phenanthrene	16.86	178	37687	0.369	ng	100
23) Anthracene	16.95	178	34691	0.372	ng	99
25) Fluoranthene	18.89	202	45858	0.351	ng	100
27) Pyrene	19.25	202	46436	0.378	ng	99
29) Benzo(a)anthracene	21.02	228	45285	0.354	ng	99
30) Chrysene	21.08	228	47151	0.379	ng	98
31) Indeno(1,2,3-cd)pyrene	25.22	276	55156	0.402	ng	99
33) Benzo(b)fluoranthene	22.53	252	48648	0.377	ng	100
34) Benzo(k)fluoranthene	22.57	252	46910	0.368	ng	99
35) Benzo(a)pyrene	23.06	252	45227	0.386	ng	100
36) Dibenzo(a,h)anthracene	25.24	278	45527	0.390	ng	99
37) Benzo(g,h,i)perylene	25.85	276	46343	0.386	ng	99

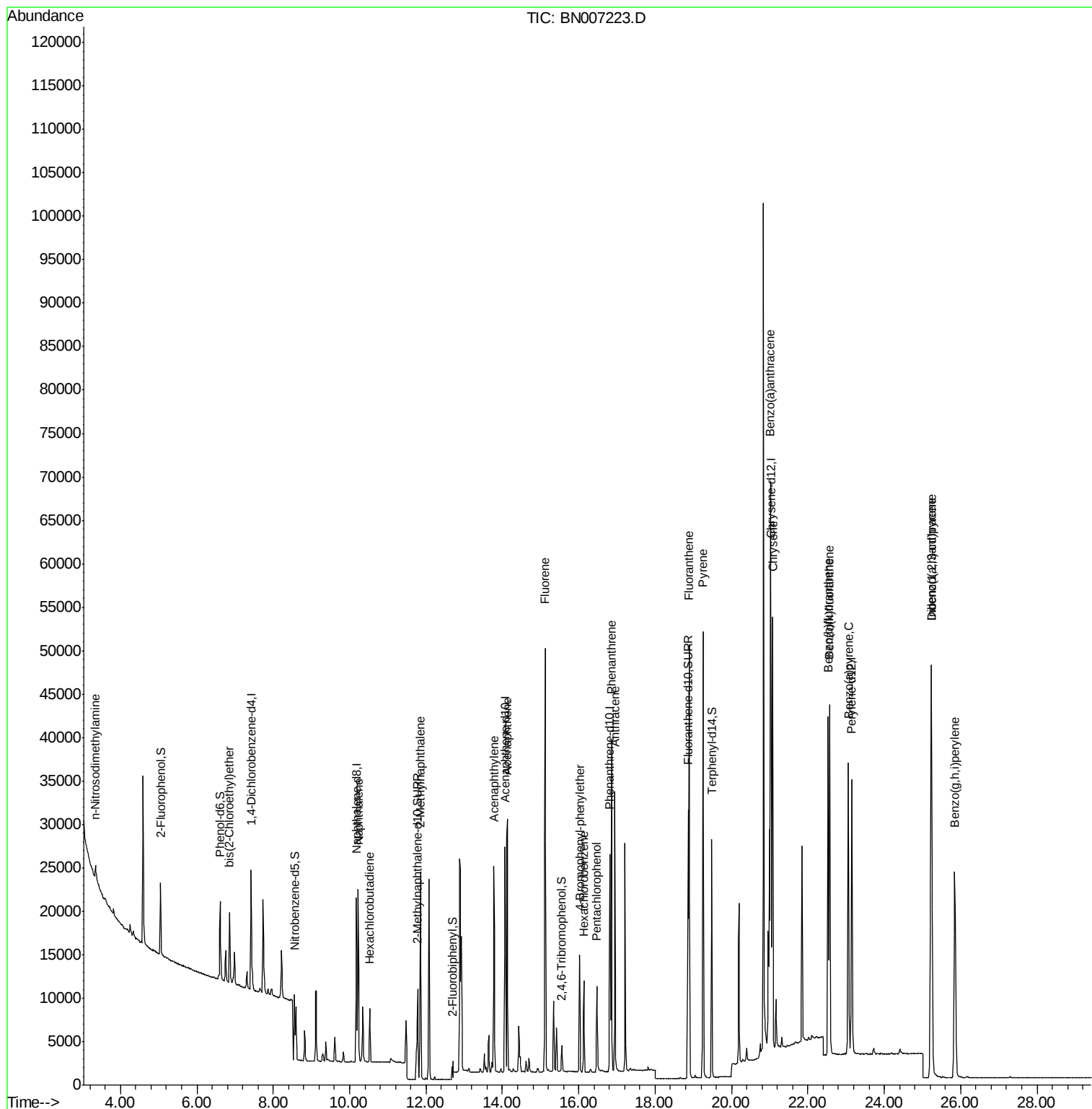
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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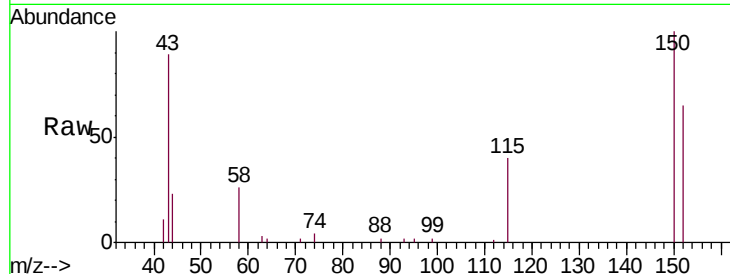


#1

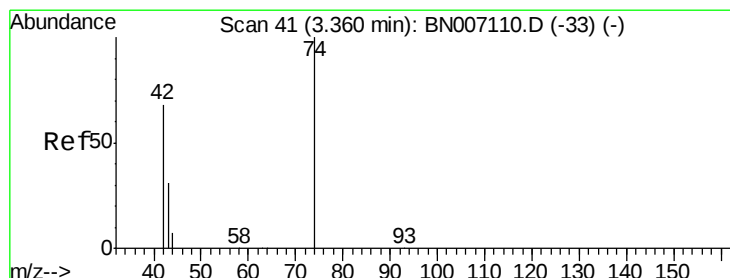
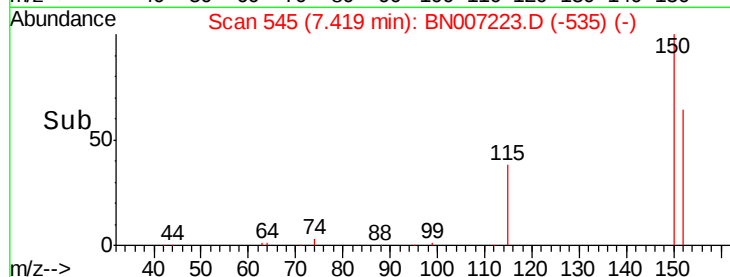
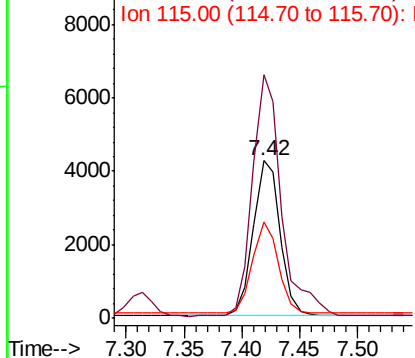
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.42 min Scan# 545
Delta R.T. -0.02 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Tgt Ion:152 Resp: 6771
Ion Ratio Lower Upper
152 100
150 154.7 121.7 182.5
115 61.5 46.2 69.4



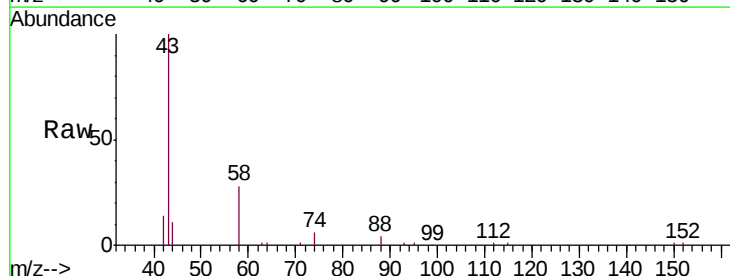
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



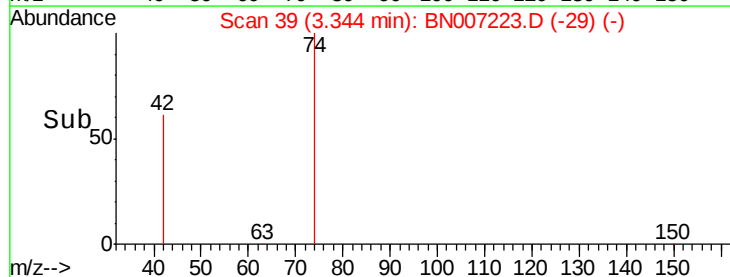
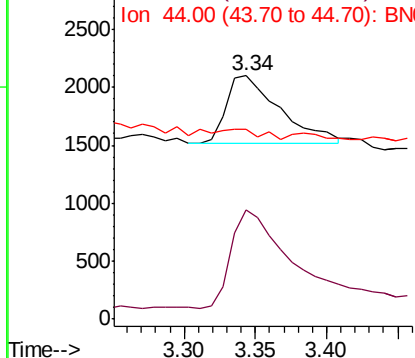
#2

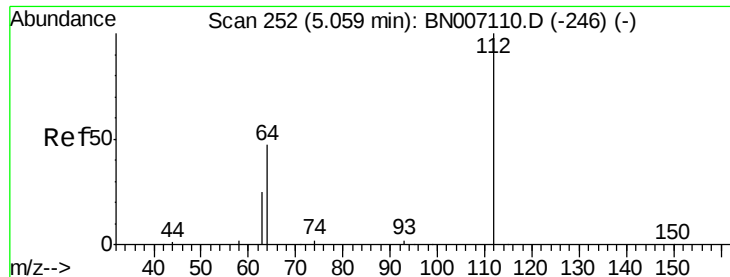
n-Nitrosodimethylamine
Concen: 0.341 ng
RT: 3.34 min Scan# 39
Delta R.T. -0.02 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion: 42 Resp: 1521
Ion Ratio Lower Upper
42 100
74 163.1 110.6 166.0
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: 0.410 ng

RT: 5.05 min Scan# 251

Delta R.T. -0.01 min

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BNA_N

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PB122289BSD

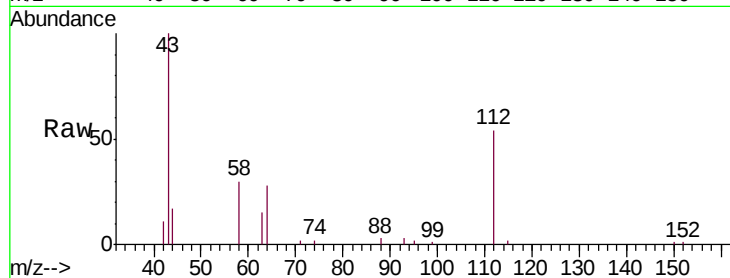
Tgt Ion: 112 Resp: 6666

Ion Ratio Lower Upper

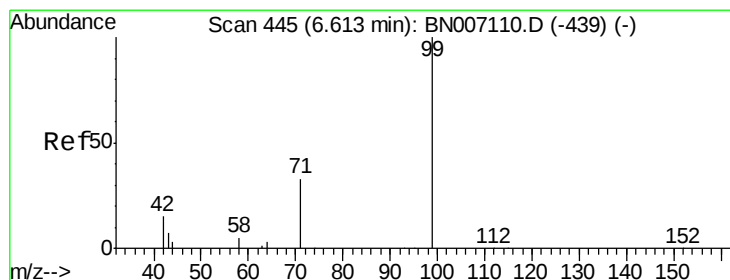
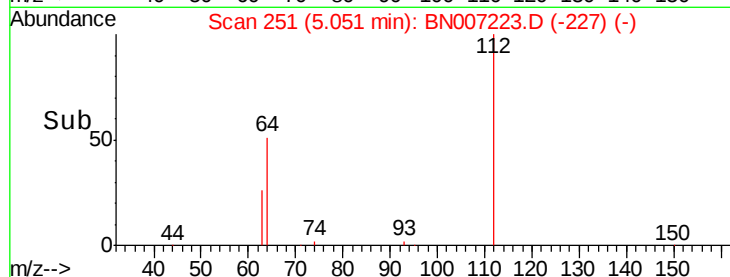
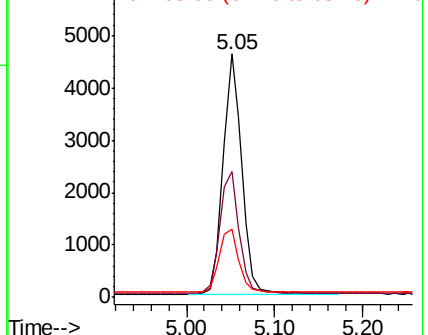
112 100

64 52.5 42.6 63.8

63 27.6 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: 0.422 ng

RT: 6.61 min Scan# 444

Delta R.T. -0.01 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

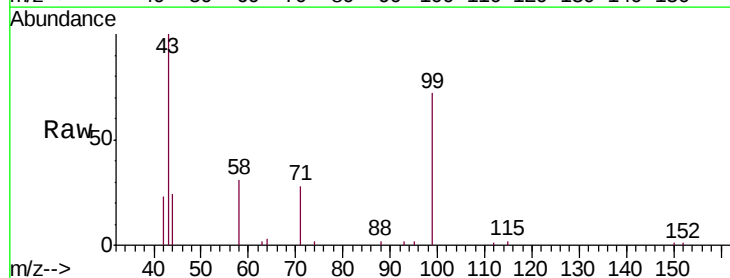
Tgt Ion: 99 Resp: 8511

Ion Ratio Lower Upper

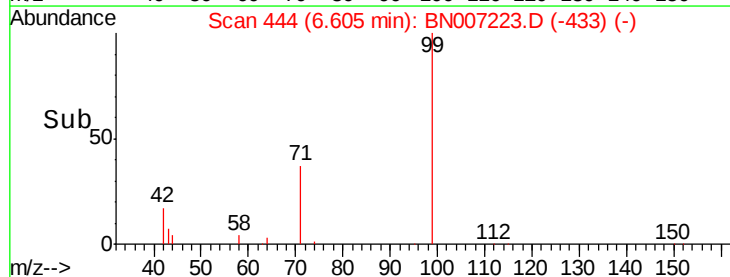
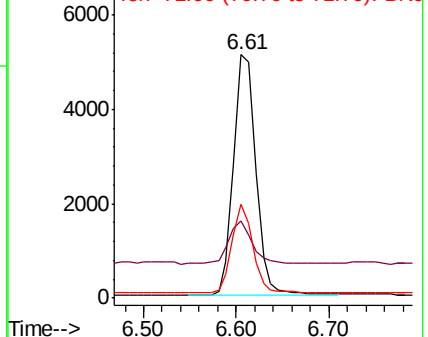
99 100

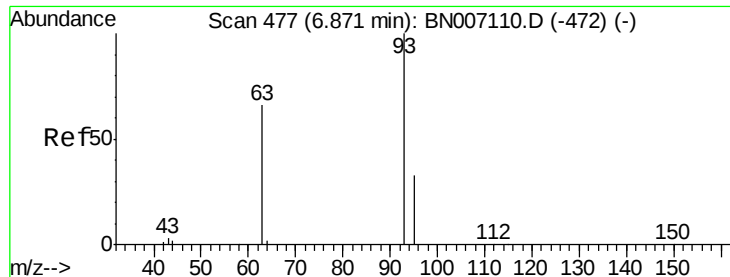
42 19.3 15.8 23.6

71 34.6 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: 0.372 ng

RT: 6.85 min Scan# 475

Delta R.T. -0.02 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

Instrument :

BNA_N

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PB122289BSD

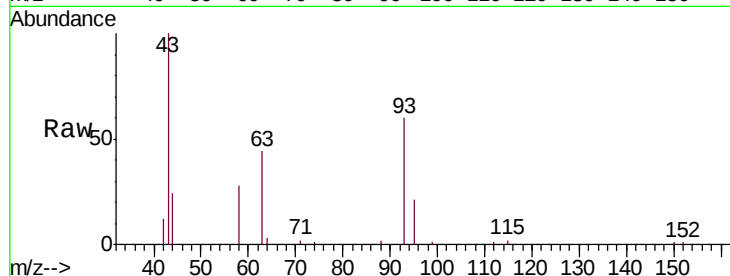
Tgt Ion: 93 Resp: 6634

Ion Ratio Lower Upper

93 100

63 69.6 55.6 83.4

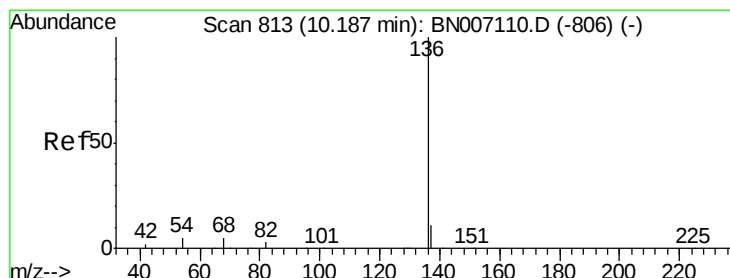
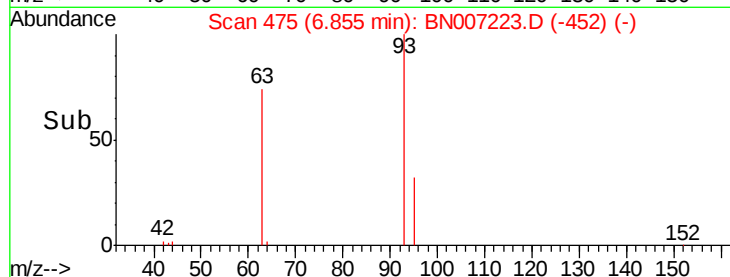
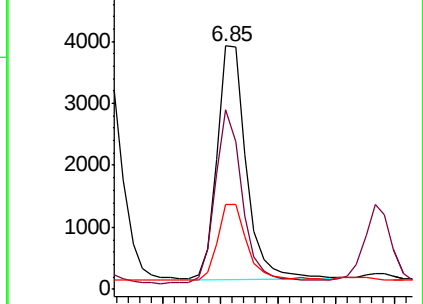
95 33.2 26.7 40.1



Abundance Ion 93.00 (92.70 to 93.70): BN007110.D (-472) (-)

Ion 63.00 (62.70 to 63.70): BN007110.D (-472) (-)

Ion 95.00 (94.70 to 95.70): BN007110.D (-472) (-)



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.17 min Scan# 812

Delta R.T. -0.01 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

Tgt Ion: 136 Resp: 24891

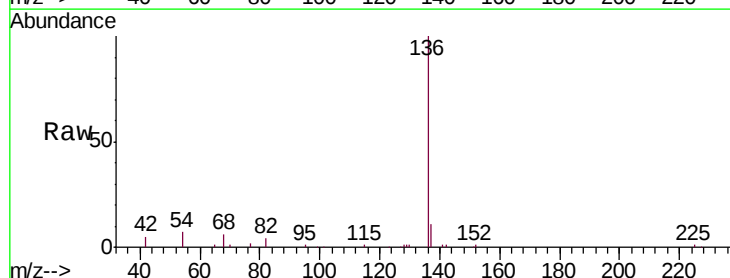
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.0

54 6.8 6.6 9.8

68 6.3 6.0 9.0

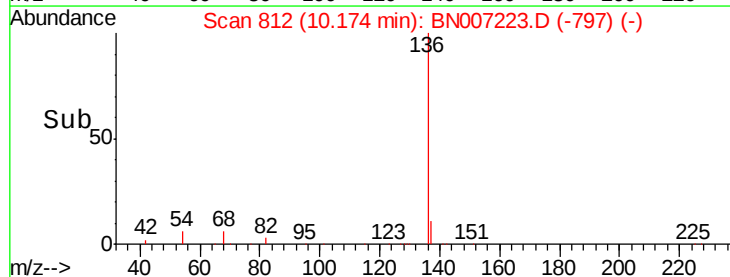
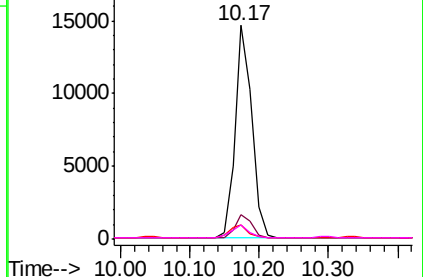


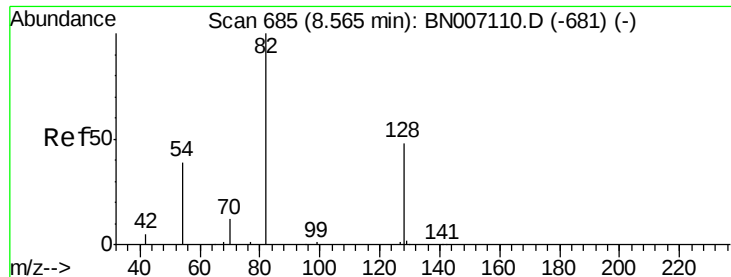
Abundance Ion 136.00 (135.70 to 136.70): BN007110.D (-806) (-)

Ion 137.00 (136.70 to 137.70): BN007110.D (-806) (-)

Ion 54.00 (53.70 to 54.70): BN007110.D (-806) (-)

Ion 68.00 (67.70 to 68.70): BN007110.D (-806) (-)





#7

Nitrobenzene-d5

Concen: 0.323 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

Instrument :

BNA_N

ClientSampleId :

PB122289BSD

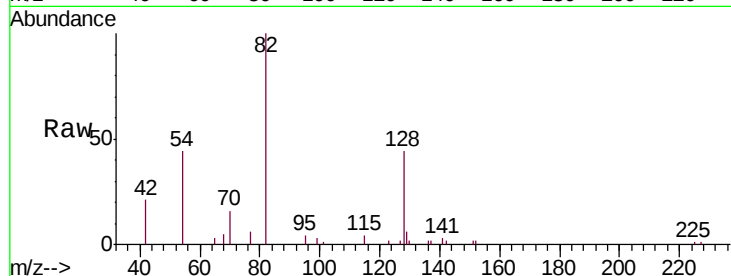
Tgt Ion: 82 Resp: 6474

Ion Ratio Lower Upper

82 100

128 44.1 34.6 51.8

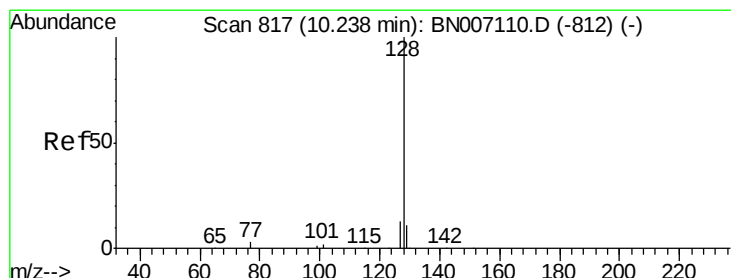
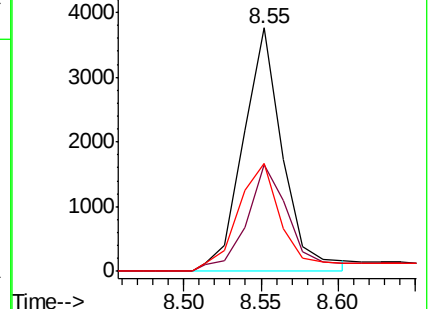
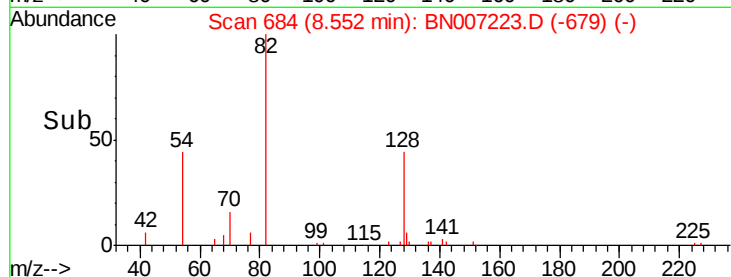
54 44.4 36.2 54.4



Abundance Ion 82.00 (81.70 to 82.70): BN0

Ion 128.00 (127.70 to 128.70): BN0

Ion 54.00 (53.70 to 54.70): BN0



#8

Naphthalene

Concen: 0.354 ng

RT: 10.22 min Scan# 816

Delta R.T. -0.01 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

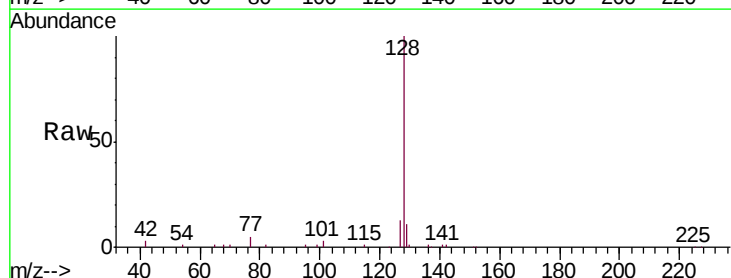
Tgt Ion: 128 Resp: 24694

Ion Ratio Lower Upper

128 100

129 11.5 9.4 14.2

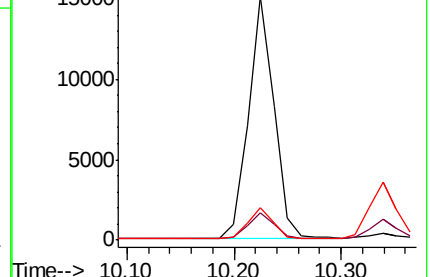
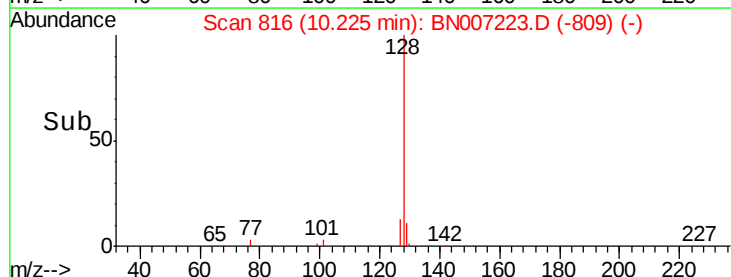
127 13.4 11.0 16.6

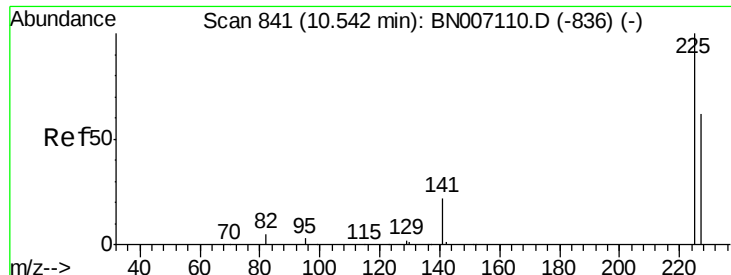


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#9

Hexachlorobutadiene

Concen: 0.343 ng

RT: 10.53 min Scan# 840

Delta R.T. -0.03 min

Lab File: BN007223.D

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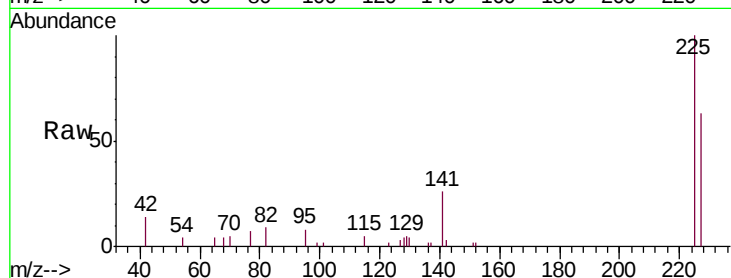
Tgt Ion: 225 Resp: 5103

Ion Ratio Lower Upper

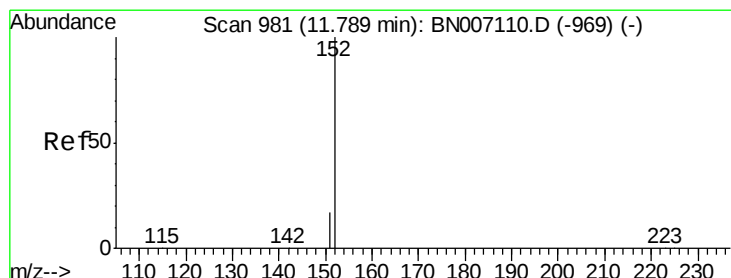
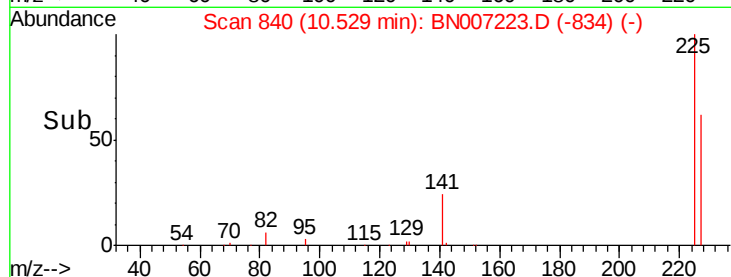
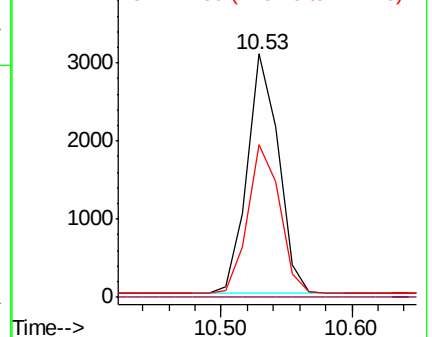
225 100

223 0.0 0.0 0.0

227 63.2 51.1 76.7



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



#10

2-Methylnaphthalene-d10

Concen: 0.420 ng

RT: 11.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BN007223.D

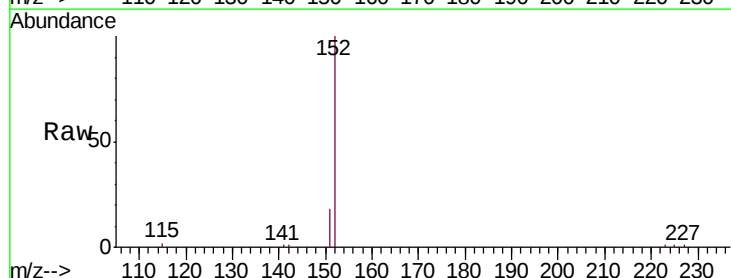
Acq: 16 Aug 2019 15:12

Tgt Ion: 152 Resp: 19484

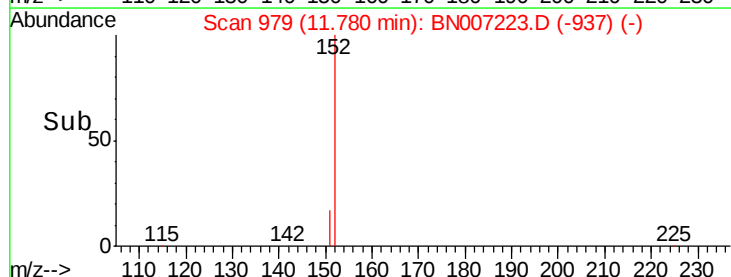
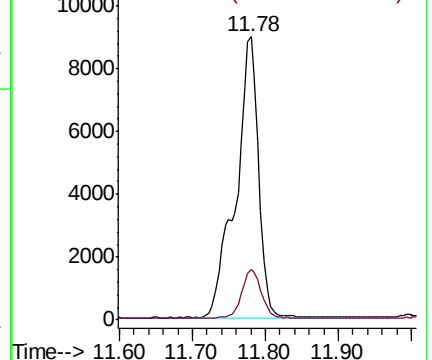
Ion Ratio Lower Upper

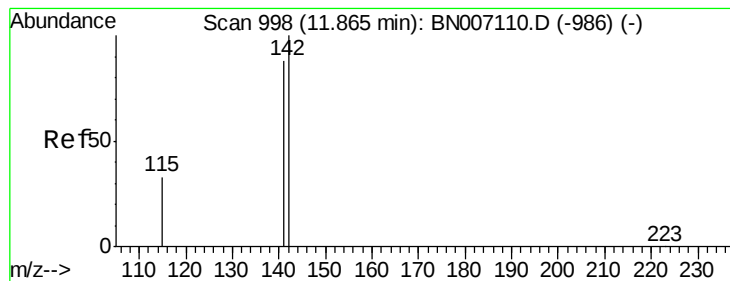
152 100

151 14.5 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: 0.355 ng

RT: 11.85 min Scan# 995

Delta R.T. -0.02 min

Lab File: BN007223.D

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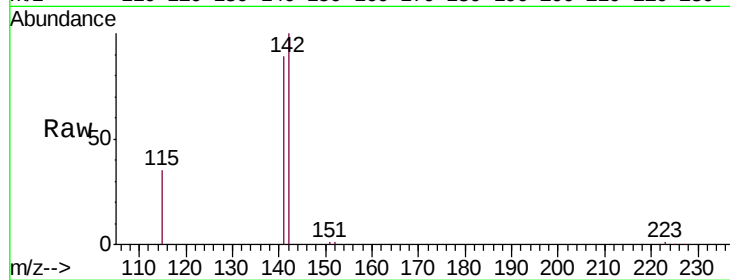
Tgt Ion:142 Resp: 17578

Ion Ratio Lower Upper

142 100

141 88.8 69.0 103.6

115 35.4 27.1 40.7

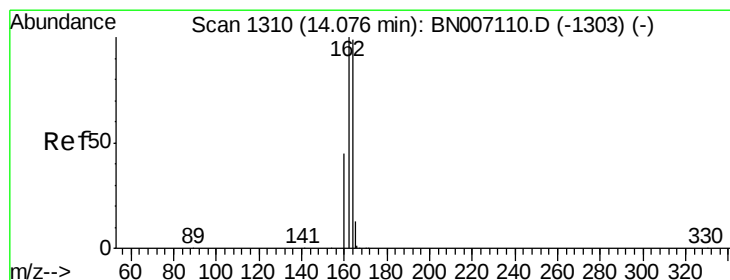
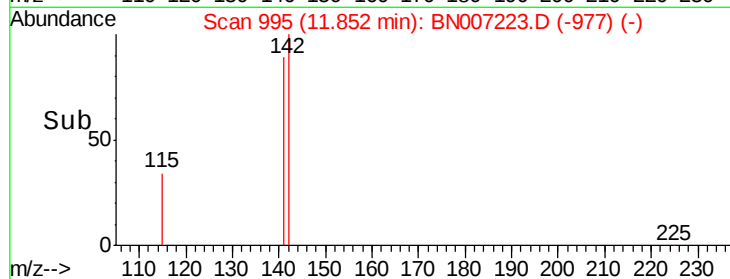
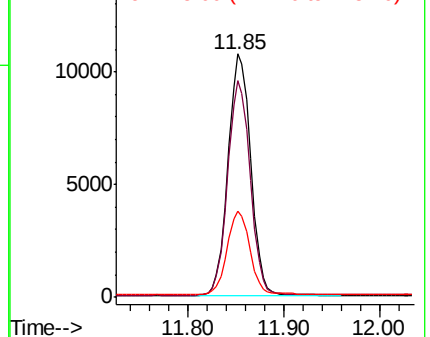


Abundance

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: 14.06 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

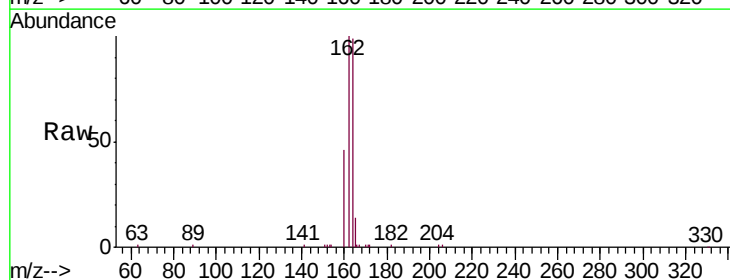
Tgt Ion:164 Resp: 13907

Ion Ratio Lower Upper

164 100

162 101.5 82.2 123.4

160 46.7 38.3 57.5

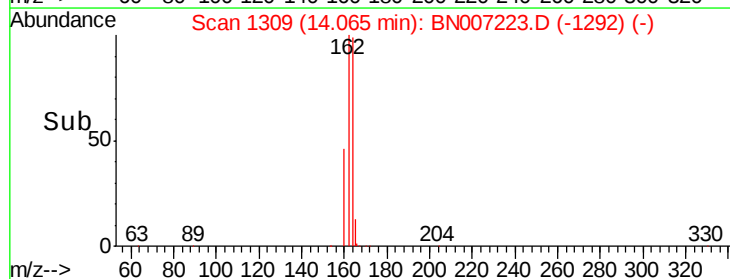
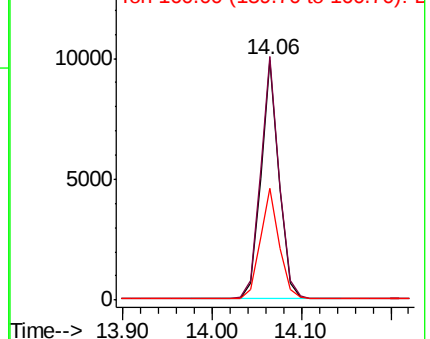


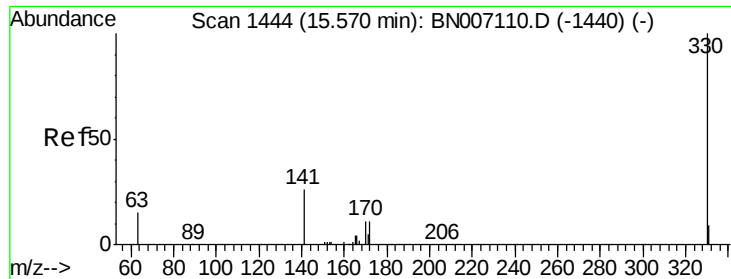
Abundance

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

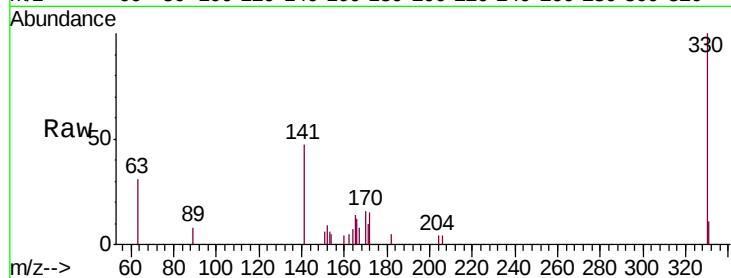




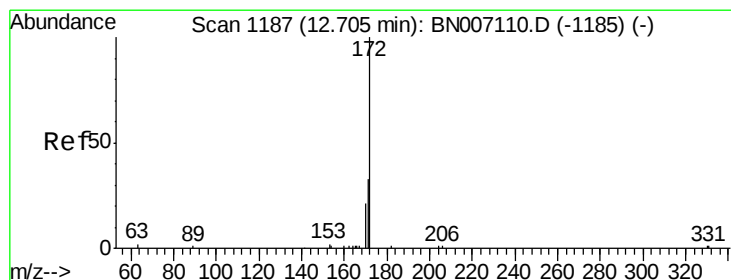
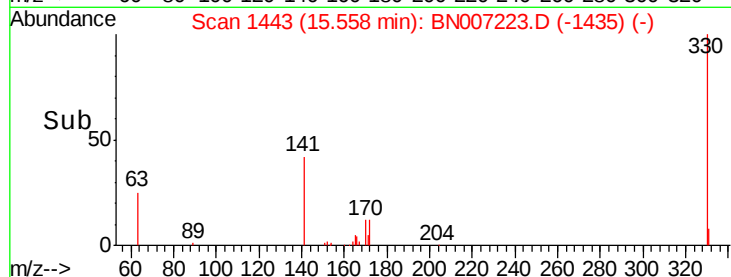
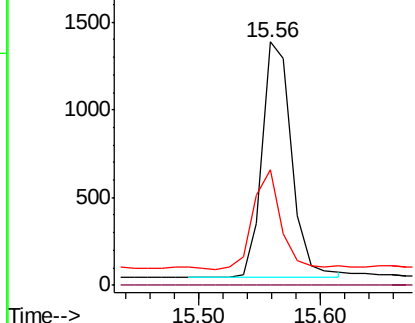
#13
 2,4,6-Tribromophenol
 Concen: 0.302 ng
 RT: 15.56 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BN007223.D
 Acq: 16 Aug 2019 15:12

Instrument :
 BNA_N
 ClientSampleId :
 PB122289BSD

Tgt Ion: 330 Resp: 2262
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 40.5 33.6 50.4

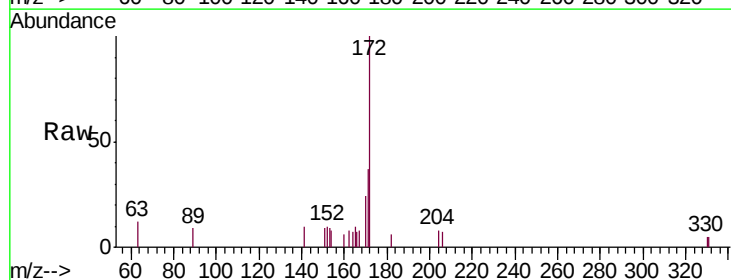


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

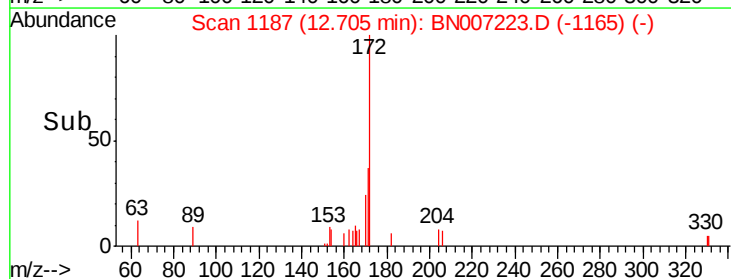
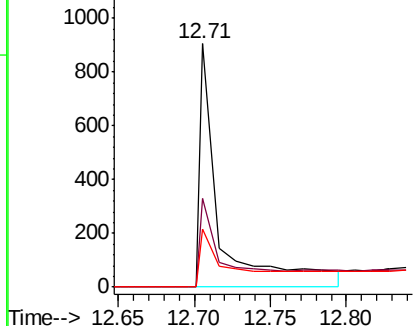


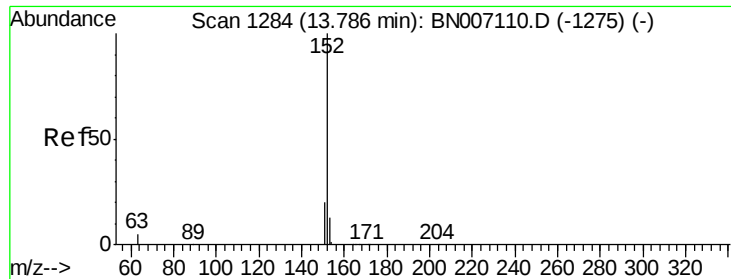
#14
 2-Fluorobiphenyl
 Concen: 0.045 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007223.D
 Acq: 16 Aug 2019 15:12

Tgt Ion: 172 Resp: 919
 Ion Ratio Lower Upper
 172 100
 171 36.6 26.3 39.5
 170 24.0 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: 0.370 ng

RT: 13.78 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

Instrument :

BNA_N

ClientSampleId :

PB122289BSD

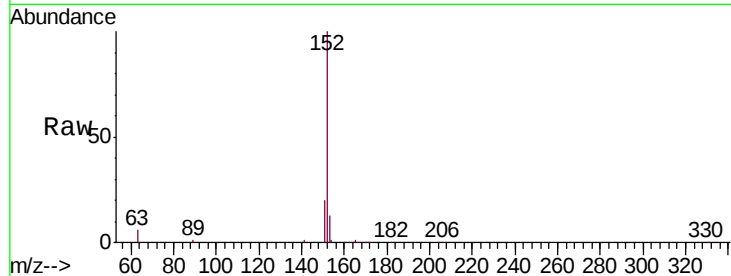
Tgt Ion:152 Resp: 26872

Ion Ratio Lower Upper

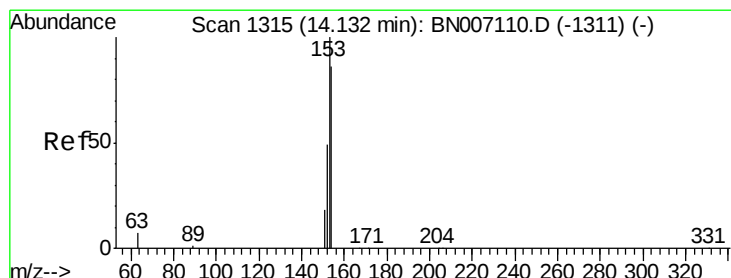
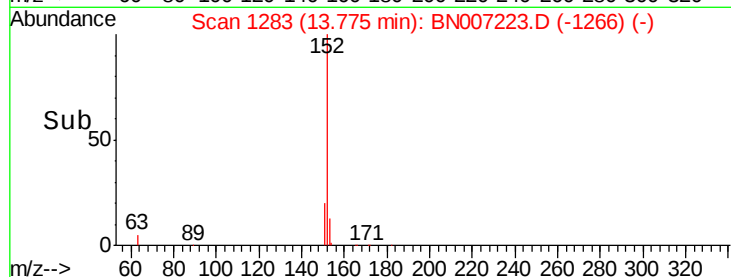
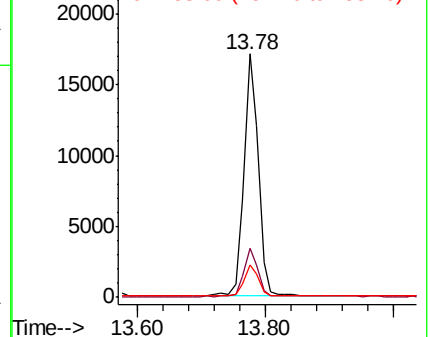
152 100

151 19.5 15.8 23.6

153 13.0 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: 0.353 ng

RT: 14.13 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

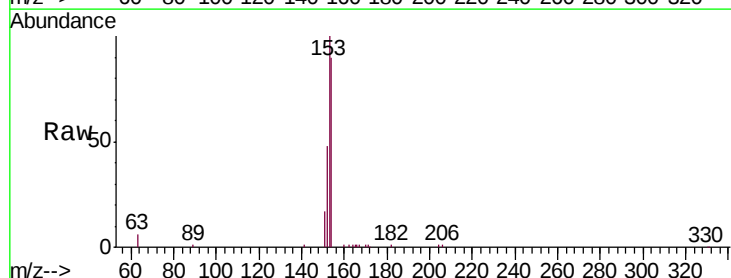
Tgt Ion:154 Resp: 16442

Ion Ratio Lower Upper

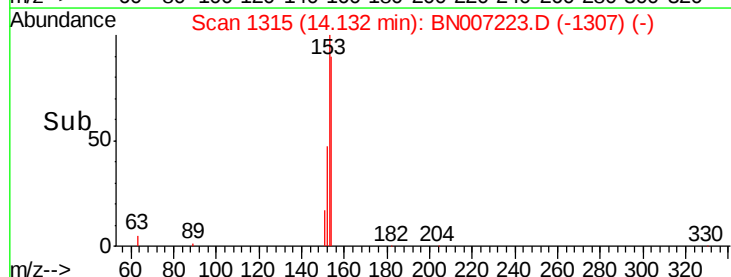
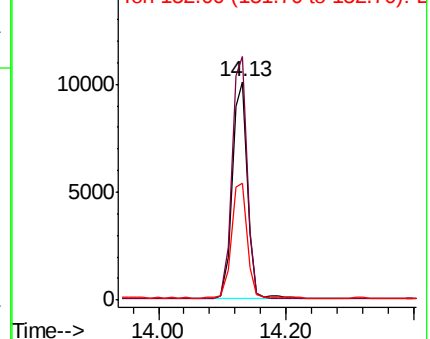
154 100

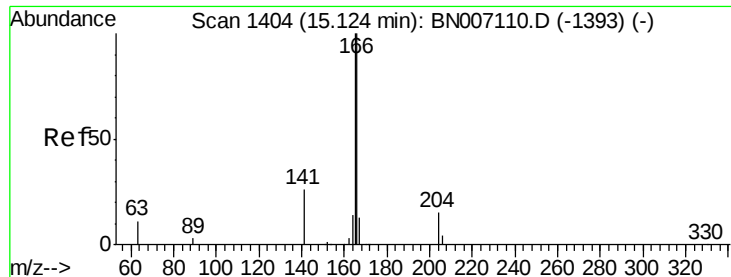
153 111.7 89.5 134.3

152 54.8 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

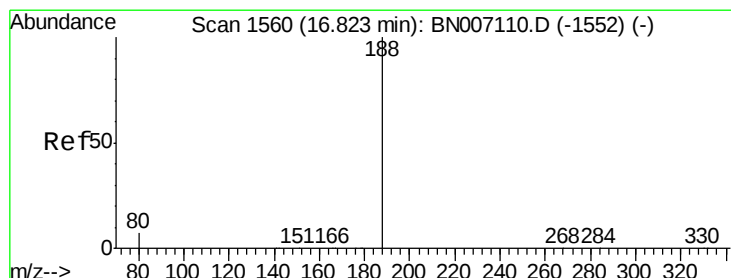
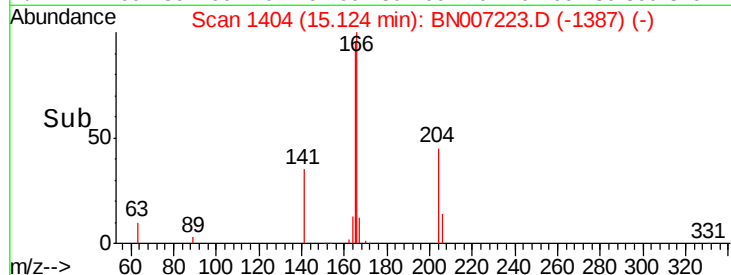
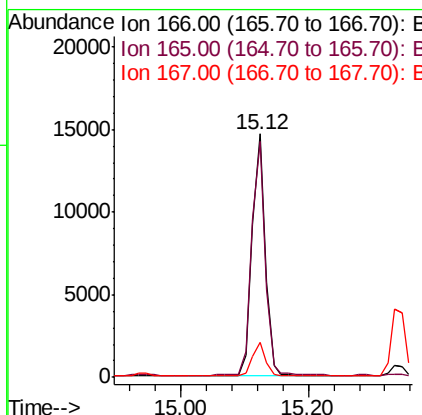
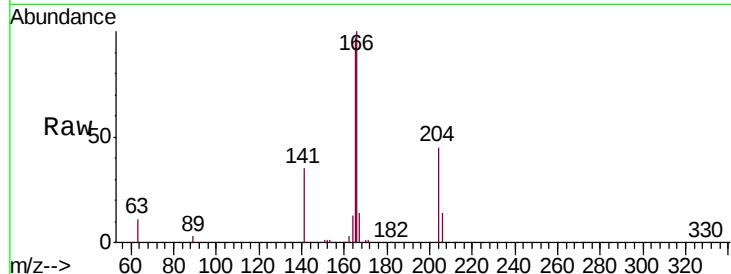




#17
Fluorene
 Concen: 0.307 ng
 RT: 15.12 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BN007223.D
 Acq: 16 Aug 2019 15:12

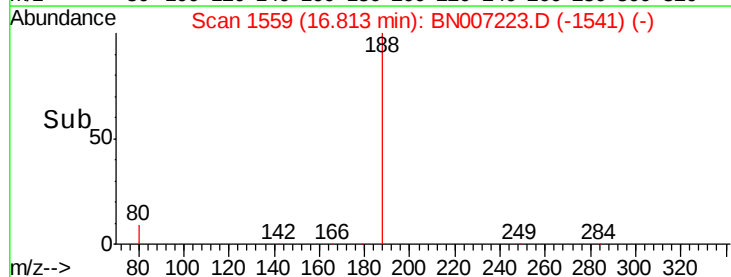
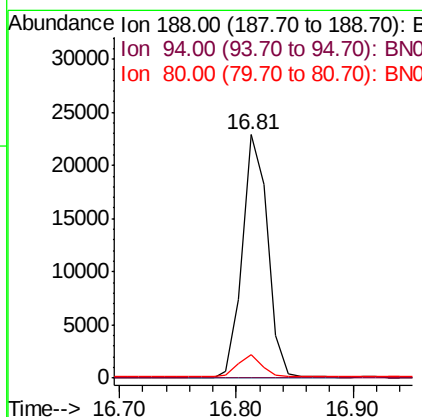
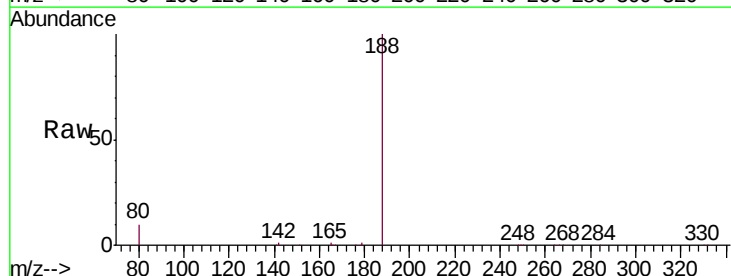
Instrument :
 BNA_N
 ClientSampleId :
 PB122289BSD

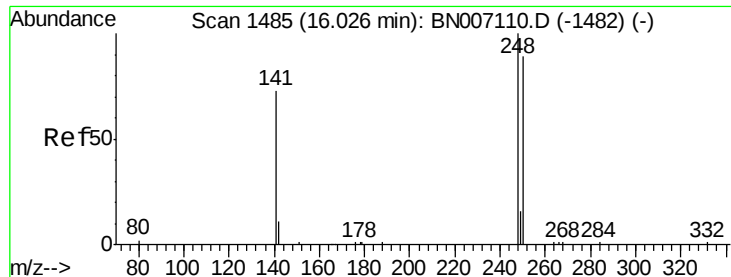
Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.6	77.9	116.9
167	13.7	10.9	16.3



#18
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.81 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BN007223.D
 Acq: 16 Aug 2019 15:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.5	7.8	11.6





#19

4-Bromophenyl-phenylether

Concen: 0.341 ng

RT: 16.03 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

Instrument :

BNA_N

ClientSampleId :

PB122289BSD

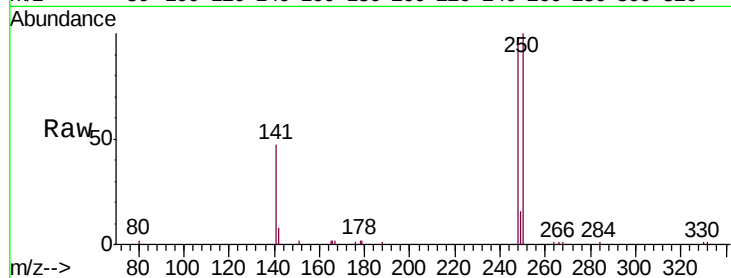
Tgt Ion:248 Resp: 7193

Ion Ratio Lower Upper

248 100

250 102.4 78.9 118.3

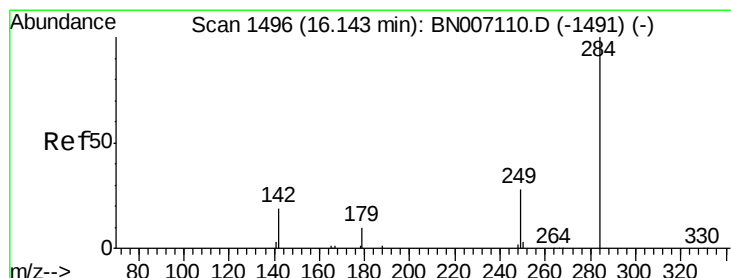
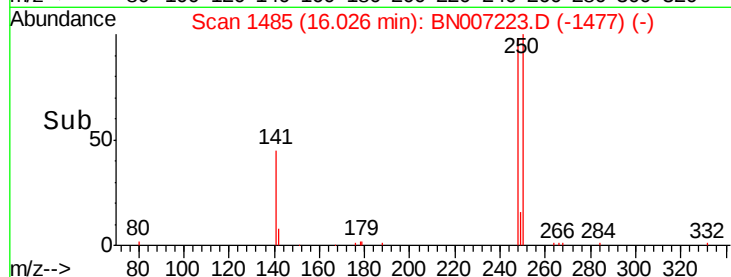
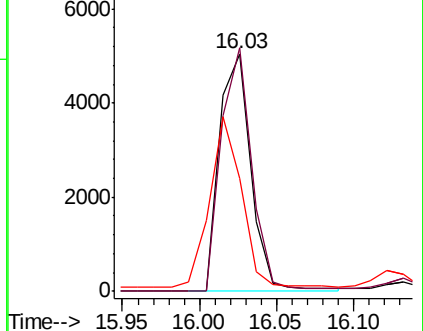
141 47.8 43.3 64.9



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: 0.371 ng

RT: 16.13 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

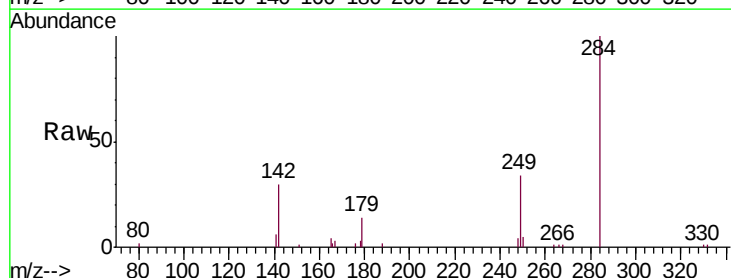
Tgt Ion:284 Resp: 7526

Ion Ratio Lower Upper

284 100

142 37.4 30.5 45.7

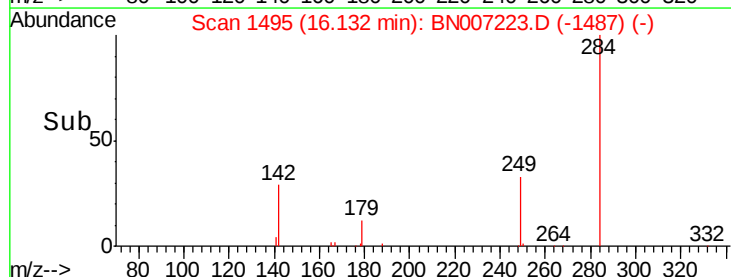
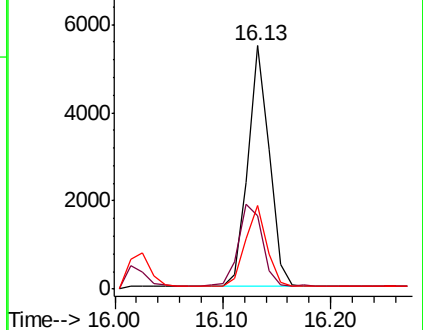
249 33.0 26.7 40.1

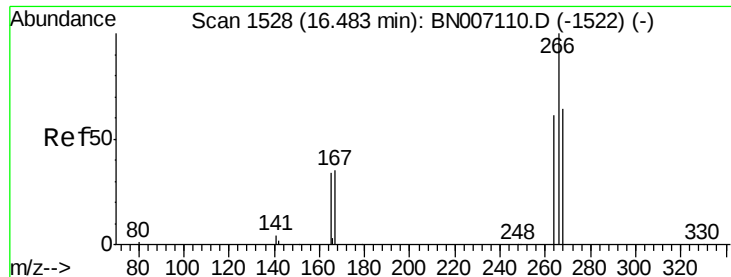


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

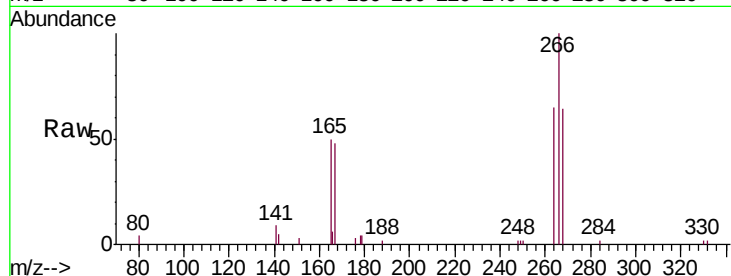




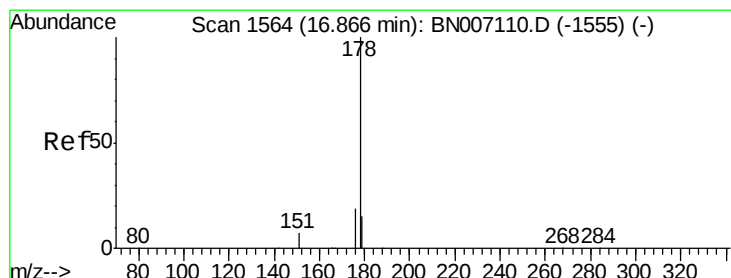
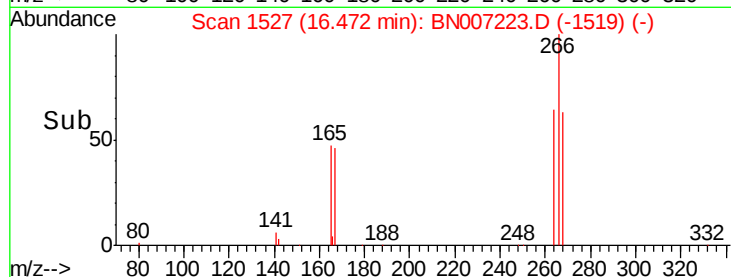
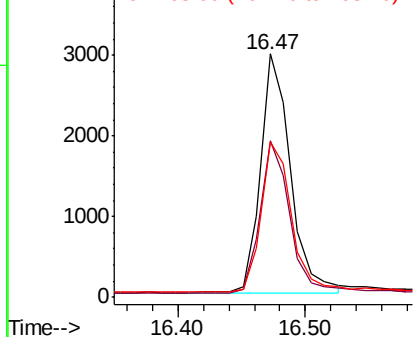
#21
 Pentachlorophenol
 Concen: 0.639 ng
 RT: 16.47 min Scan# 1527
 Delta R.T. -0.01 min
 Lab File: BN007223.D
 Acq: 16 Aug 2019 15:12

Instrument :
 BNA_N
 ClientSampleId :
 PB122289BSD

Tgt Ion: 266 Resp: 4828
 Ion Ratio Lower Upper
 266 100
 264 64.5 52.3 78.5
 268 63.9 51.5 77.3

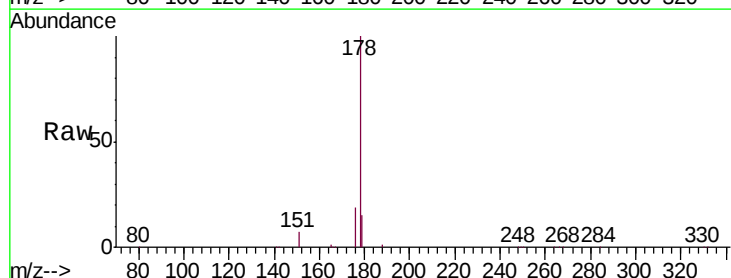


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

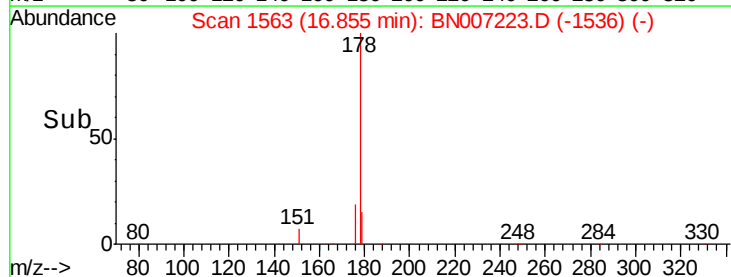
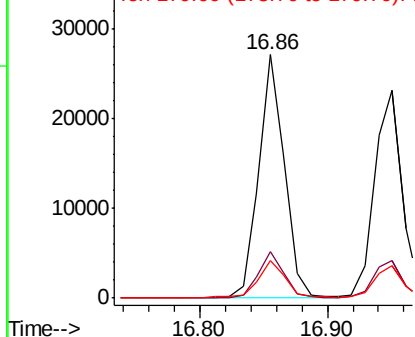


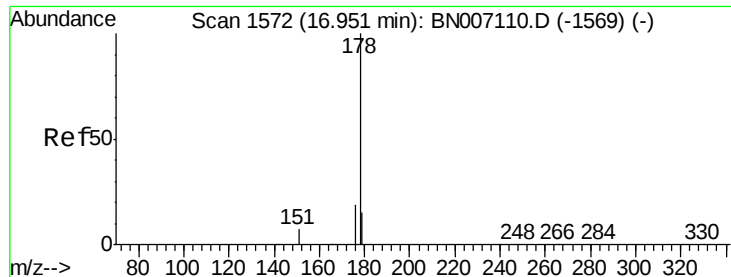
#22
 Phenanthrene
 Concen: 0.369 ng
 RT: 16.86 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BN007223.D
 Acq: 16 Aug 2019 15:12

Tgt Ion: 178 Resp: 37687
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.2 22.8
 179 15.3 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: 0.372 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

Instrument :

BNA_N

ClientSampleId :

PB122289BSD

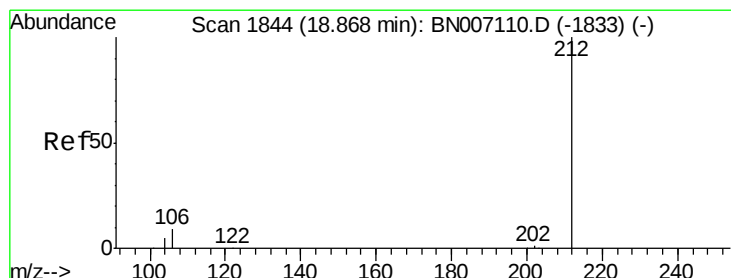
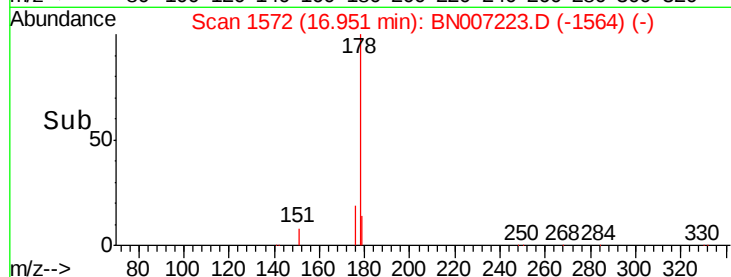
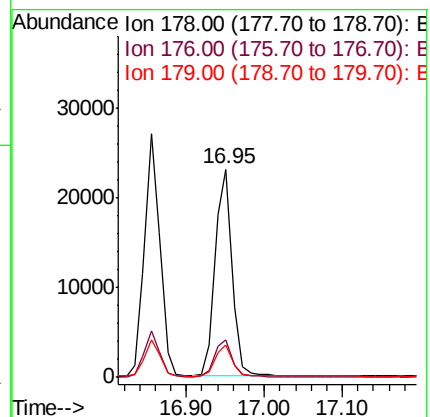
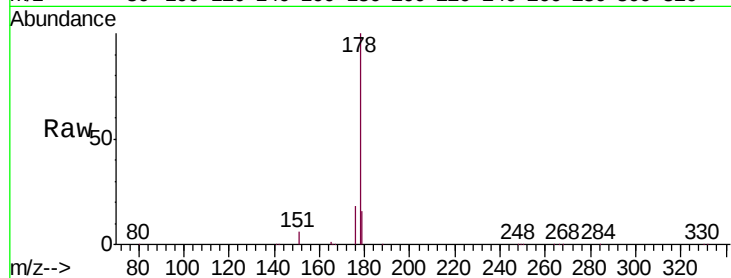
Tgt Ion:178 Resp: 34691

Ion Ratio Lower Upper

178 100

176 18.3 14.6 21.8

179 15.2 12.5 18.7



#24

Fluoranthene-d10

Concen: 0.307 ng

RT: 18.86 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

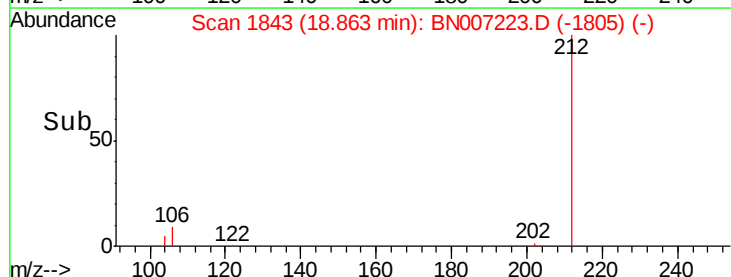
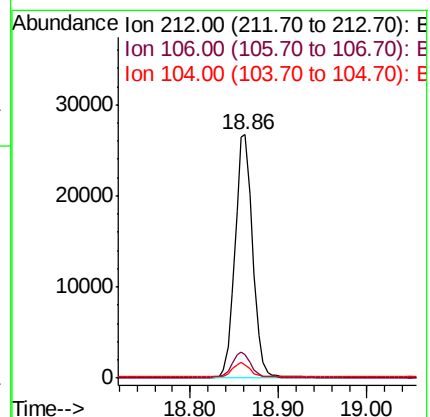
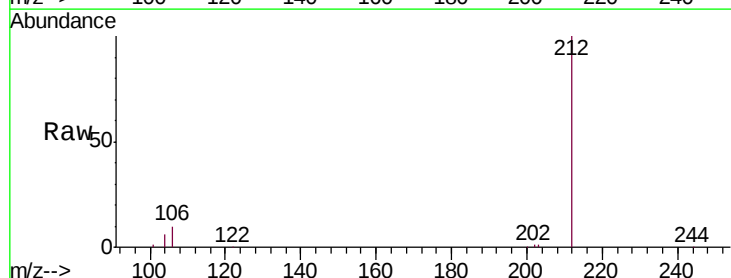
Tgt Ion:212 Resp: 37146

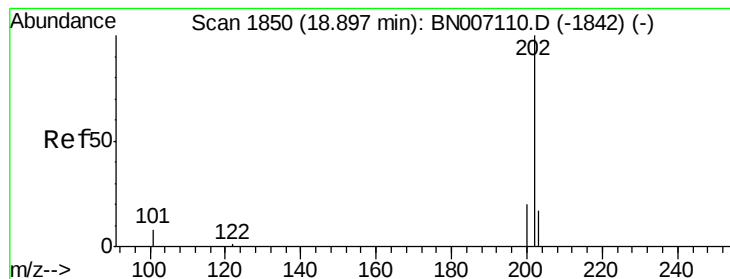
Ion Ratio Lower Upper

212 100

106 10.5 8.2 12.2

104 5.8 4.5 6.7





#25

Fluoranthene

Concen: 0.351 ng

RT: 18.89 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

Instrument :

BNA_N

ClientSampleId :

PB122289BSD

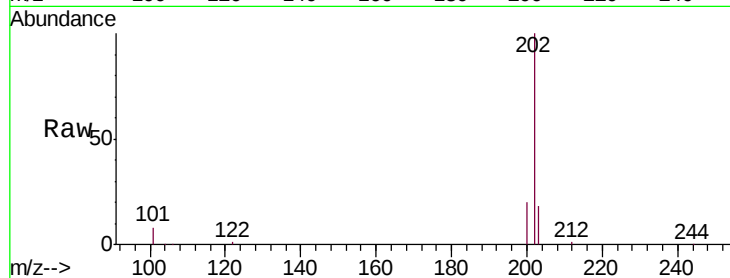
Tgt Ion:202 Resp: 45858

Ion Ratio Lower Upper

202 100

101 8.9 7.0 10.4

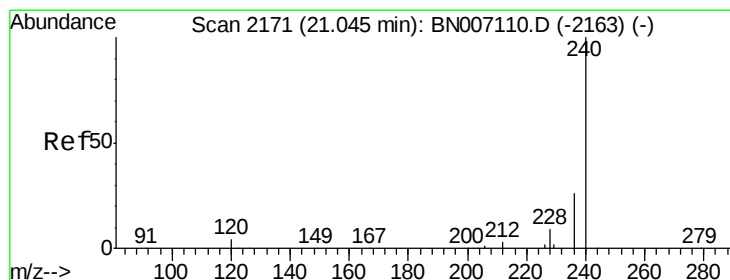
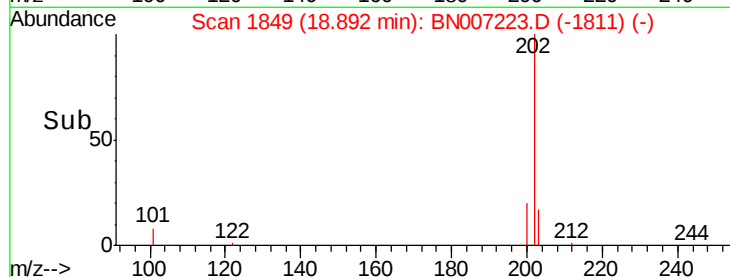
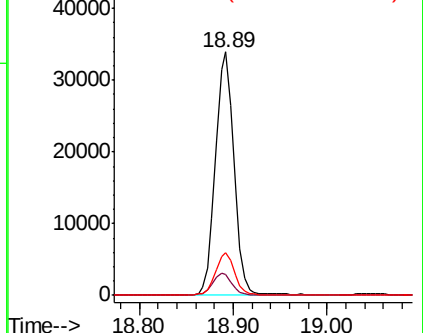
203 17.2 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.03 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

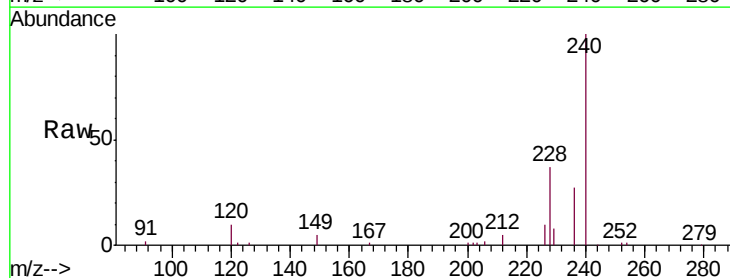
Tgt Ion:240 Resp: 35016

Ion Ratio Lower Upper

240 100

120 9.6 4.0 6.0#

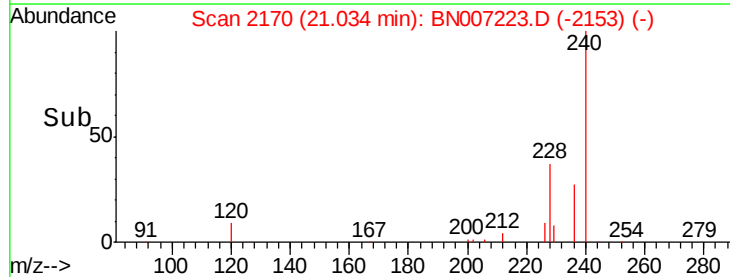
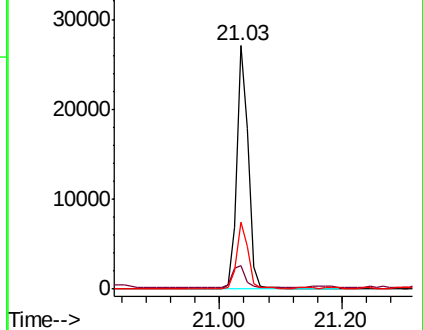
236 27.5 21.3 31.9

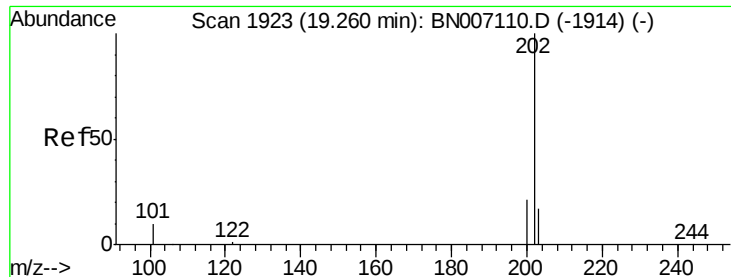


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

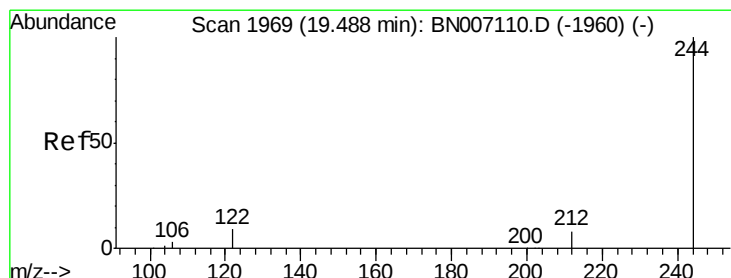
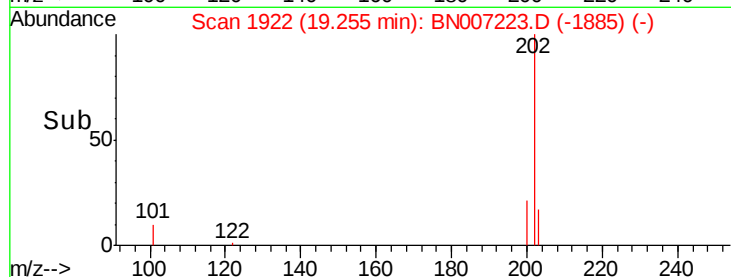
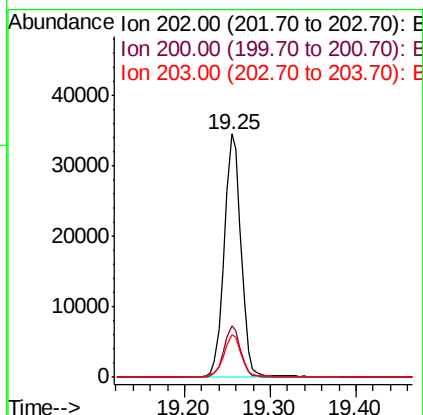
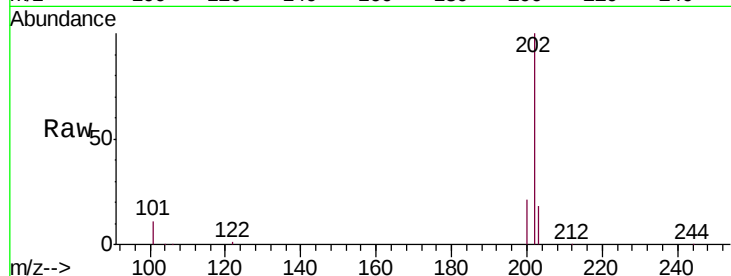




#27
 Pyrene
 Concen: 0.378 ng
 RT: 19.25 min Scan# 1922
 Delta R.T. -0.02 min
 Lab File: BN007223.D
 Acq: 16 Aug 2019 15:12

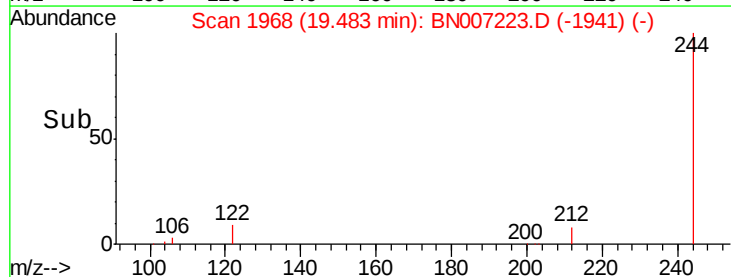
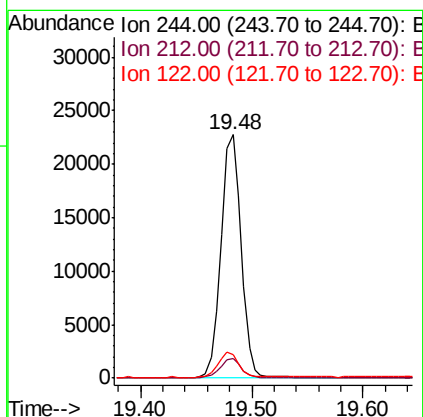
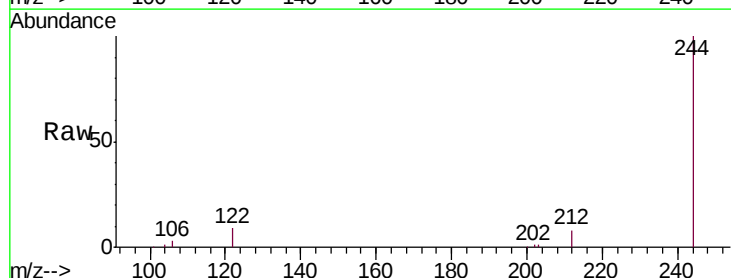
Instrument :
 BNA_N
 ClientSampleId :
 PB122289BSD

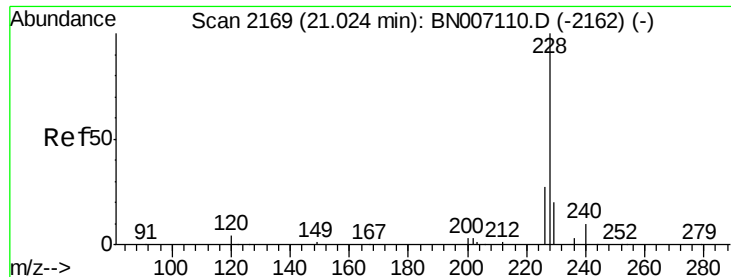
Tgt Ion: 202 Resp: 46436
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.6 24.8
 203 18.0 14.0 21.0



#28
 Terphenyl-d14
 Concen: 0.299 ng
 RT: 19.48 min Scan# 1968
 Delta R.T. -0.02 min
 Lab File: BN007223.D
 Acq: 16 Aug 2019 15:12

Tgt Ion: 244 Resp: 28537
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.2
 122 9.4 7.4 11.2





#29

Benzo(a)anthracene

Concen: 0.354 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

Instrument :

BNA_N

ClientSampleId :

PB122289BSD

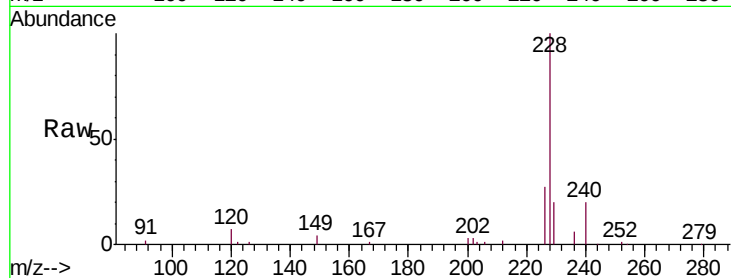
Tgt Ion:228 Resp: 45285

Ion Ratio Lower Upper

228 100

226 26.9 21.8 32.6

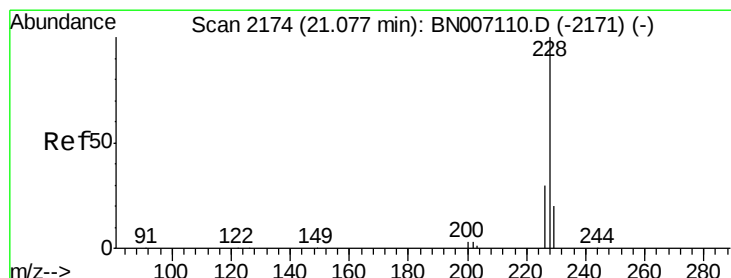
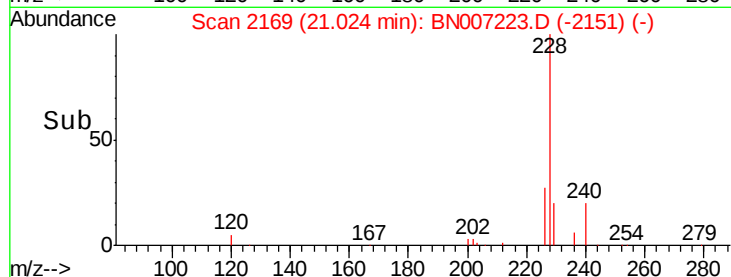
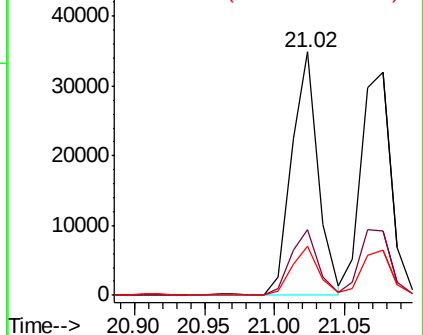
229 20.0 15.6 23.4



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: 0.379 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

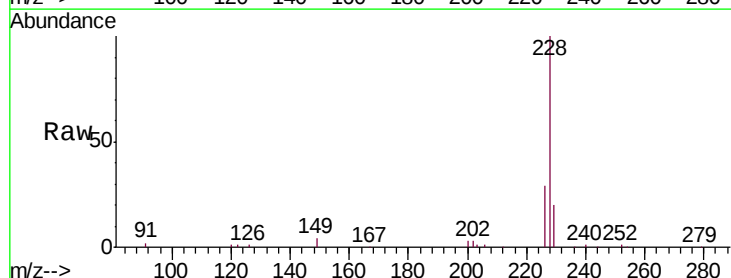
Tgt Ion:228 Resp: 47151

Ion Ratio Lower Upper

228 100

226 28.6 23.8 35.6

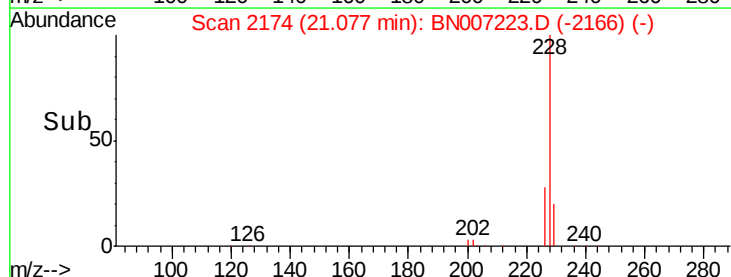
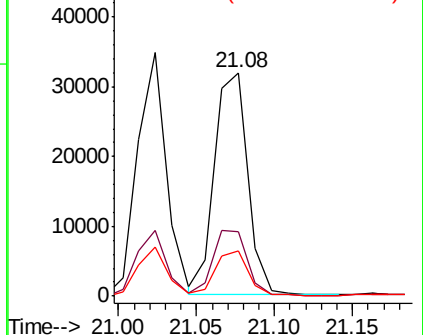
229 19.9 15.7 23.5

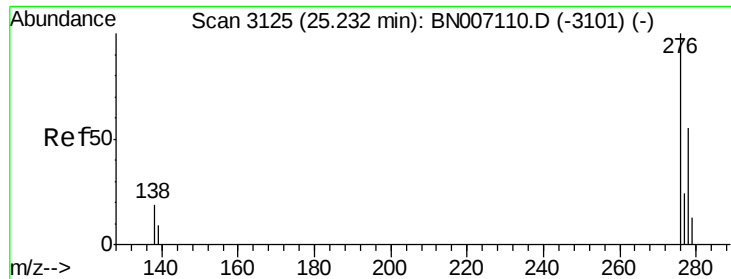


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.402 ng

RT: 25.22 min Scan# 3123

Delta R.T. -0.03 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

Instrument :

BNA_N

ClientSampleId :

PB122289BSD

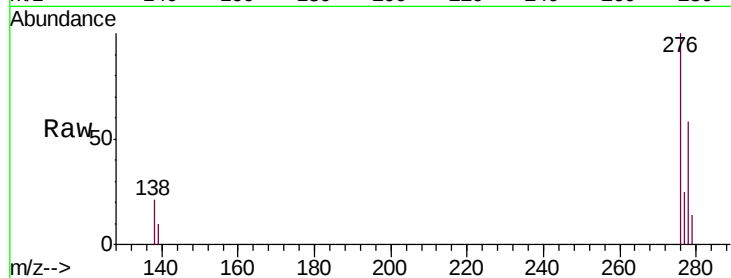
Tgt Ion:276 Resp: 55156

Ion Ratio Lower Upper

276 100

138 21.2 16.0 24.0

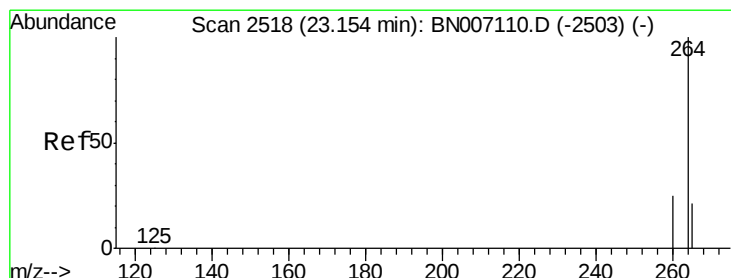
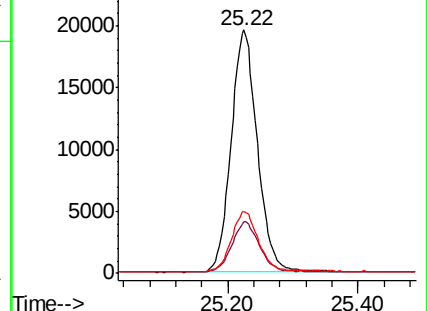
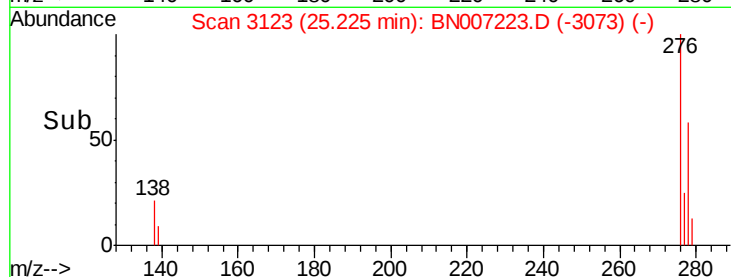
277 25.0 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#32

Perylene-d12

Concen: 0.400 ng

RT: 23.15 min Scan# 2517

Delta R.T. -0.02 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

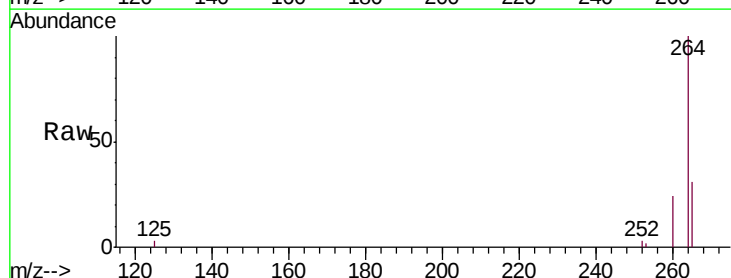
Tgt Ion:264 Resp: 37648

Ion Ratio Lower Upper

264 100

260 24.2 19.8 29.8

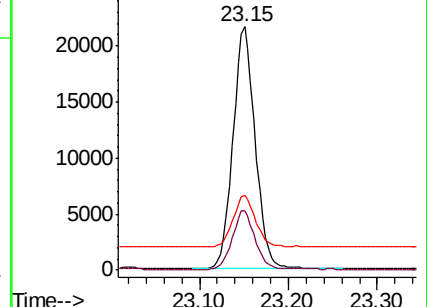
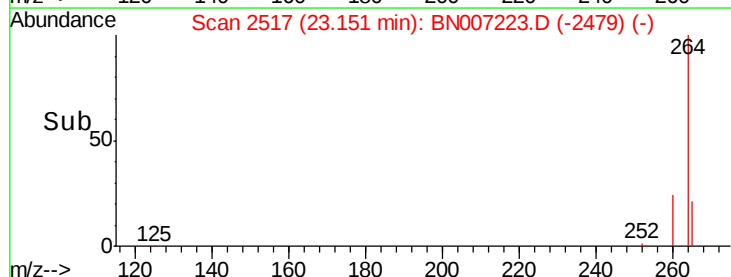
265 30.6 26.2 39.4

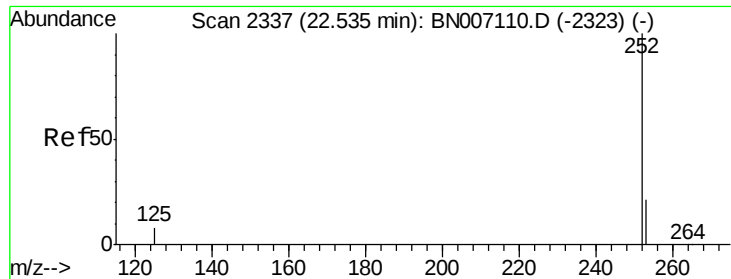


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.377 ng

RT: 22.53 min Scan# 2335

Delta R.T. -0.02 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

Instrument :

BNA_N

ClientSampleId :

PB122289BSD

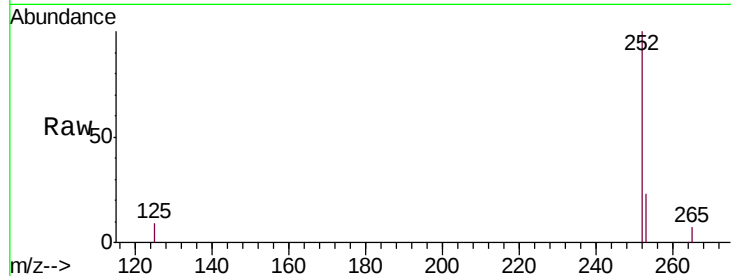
Tgt Ion:252 Resp: 48648

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.2

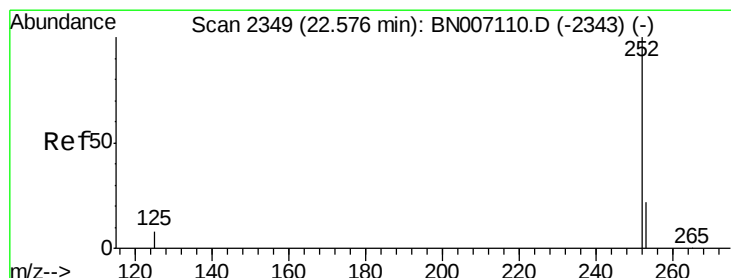
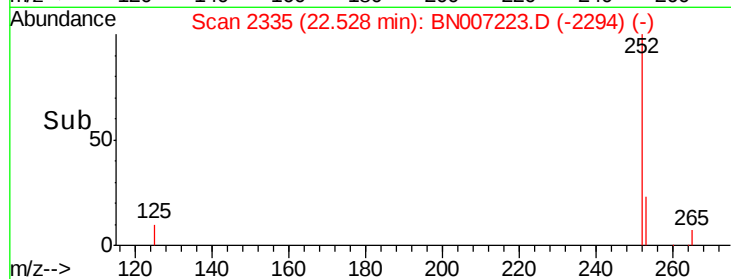
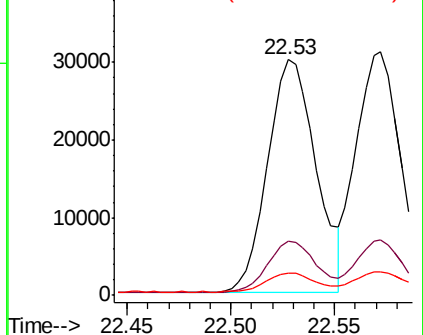
125 9.4 7.4 11.0



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: 0.368 ng

RT: 22.57 min Scan# 2348

Delta R.T. -0.02 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

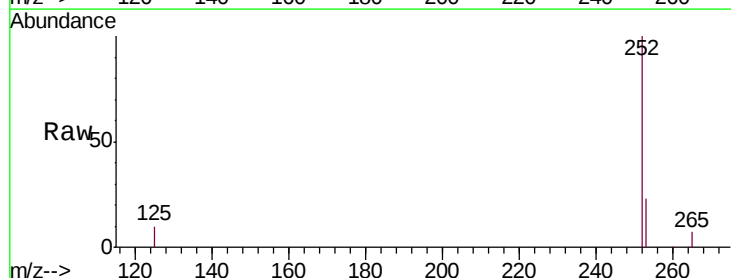
Tgt Ion:252 Resp: 46910

Ion Ratio Lower Upper

252 100

253 22.9 18.1 27.1

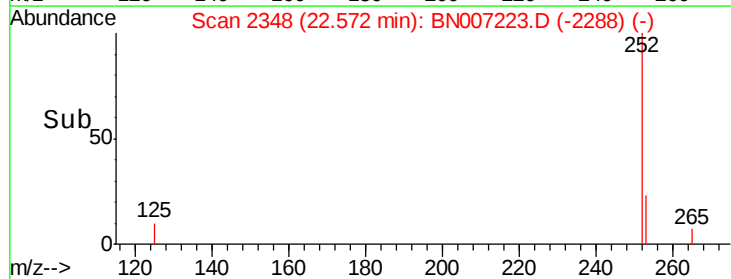
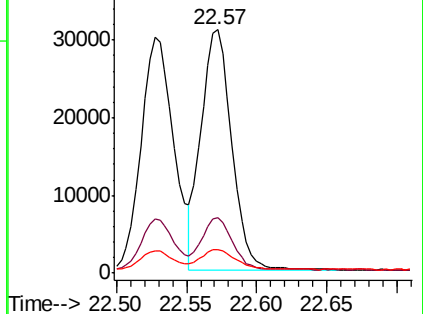
125 9.9 7.4 11.0

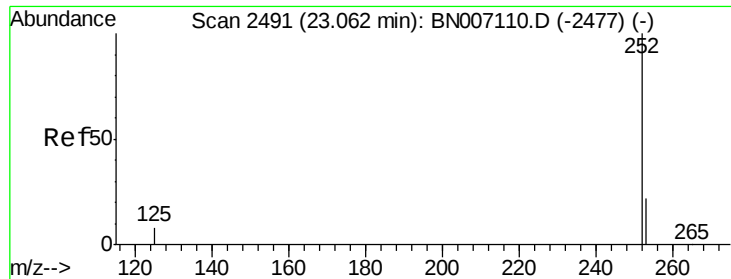


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.386 ng

RT: 23.06 min Scan# 2490

Delta R.T. -0.02 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

Instrument :

BNA_N

ClientSampleId :

PB122289BSD

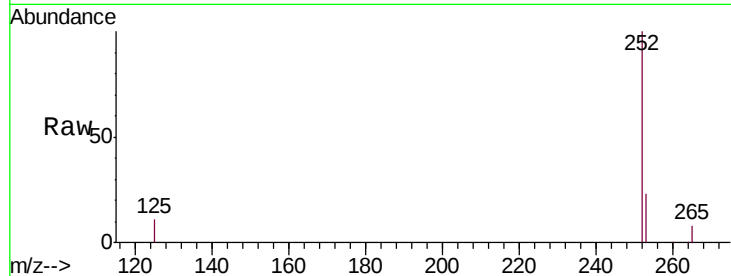
Tgt Ion:252 Resp: 45227

Ion Ratio Lower Upper

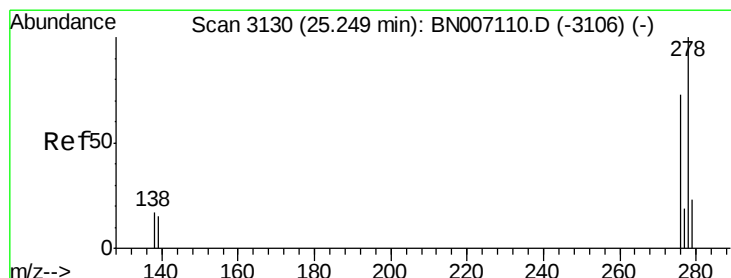
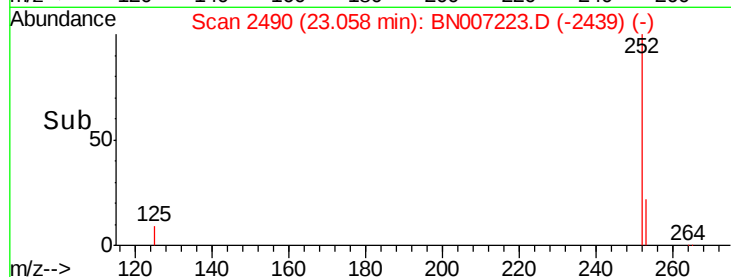
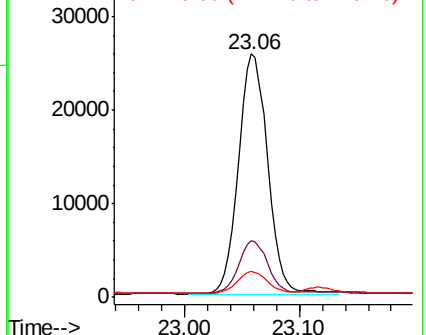
252 100

253 23.2 18.5 27.7

125 10.6 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: 0.390 ng

RT: 25.24 min Scan# 3127

Delta R.T. -0.03 min

Lab File: BN007223.D

Acq: 16 Aug 2019 15:12

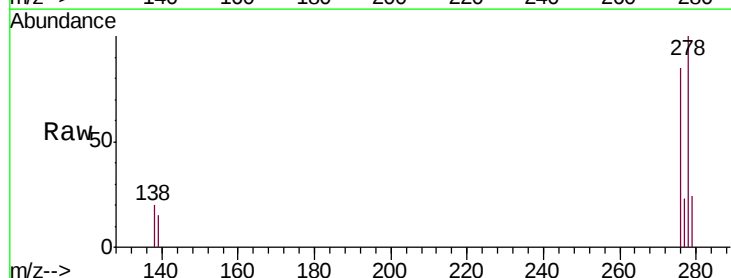
Tgt Ion:278 Resp: 45527

Ion Ratio Lower Upper

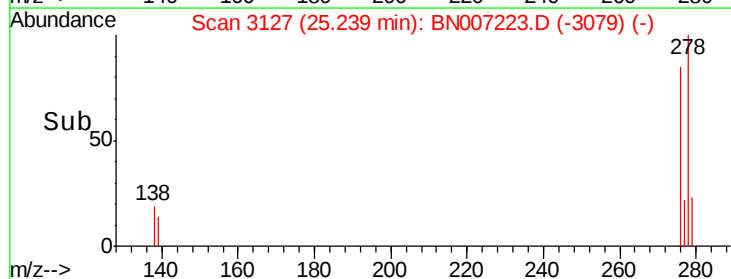
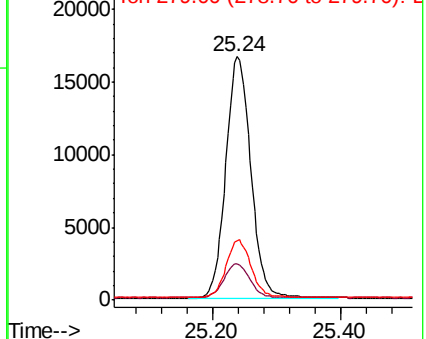
278 100

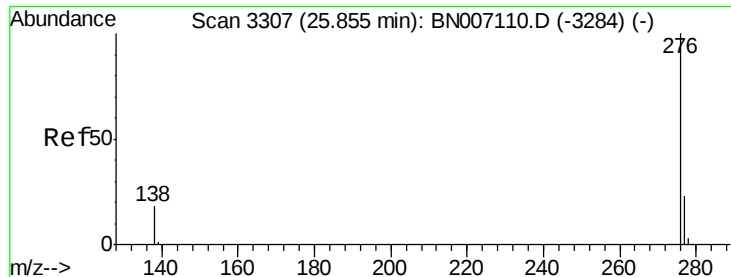
139 15.0 11.3 16.9

279 24.2 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#37

Benzo(g,h,i)perylene

Concen: 0.386 ng

RT: 25.85 min Scan# 3305

Delta R.T. -0.03 min

Lab File: BN007223.D

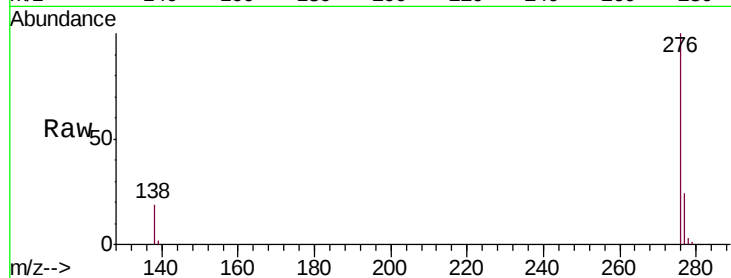
Acq: 16 Aug 2019 15:12

Instrument :

BNA_N

ClientSampleId :

PB122289BSD



Tgt Ion: 276 Resp: 46343

Ion Ratio Lower Upper

276 100

277 24.2 19.8 29.8

138 18.9 14.6 22.0

