

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081419\
 Data File : BN007168.D
 Acq On : 14 Aug 2019 18:04
 Operator : HP/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 15 11:02:58 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	5906	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	22011	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	13240	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	33762	0.40	ng	0.00
26) Chrysene-d12	21.05	240	34600	0.40	ng	-0.01
32) Perylene-d12	23.16	264	39106	0.40	ng	-0.01

System Monitoring Compounds						
3) 2-Fluorophenol	5.05	112	6290	0.44	ng	0.00
4) Phenol-d6	6.61	99	7617	0.43	ng	0.00
7) Nitrobenzene-d5	8.55	82	7832	0.44	ng	-0.01
10) 2-Methylnaphthalene-d10	11.79	152	16102	0.39	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	3126	0.44	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	2616	0.14	ng	0.00
24) Fluoranthene-d10	18.87	212	50697	0.42	ng	0.00
28) Terphenyl-d14	19.49	244	44066	0.47	ng	-0.01

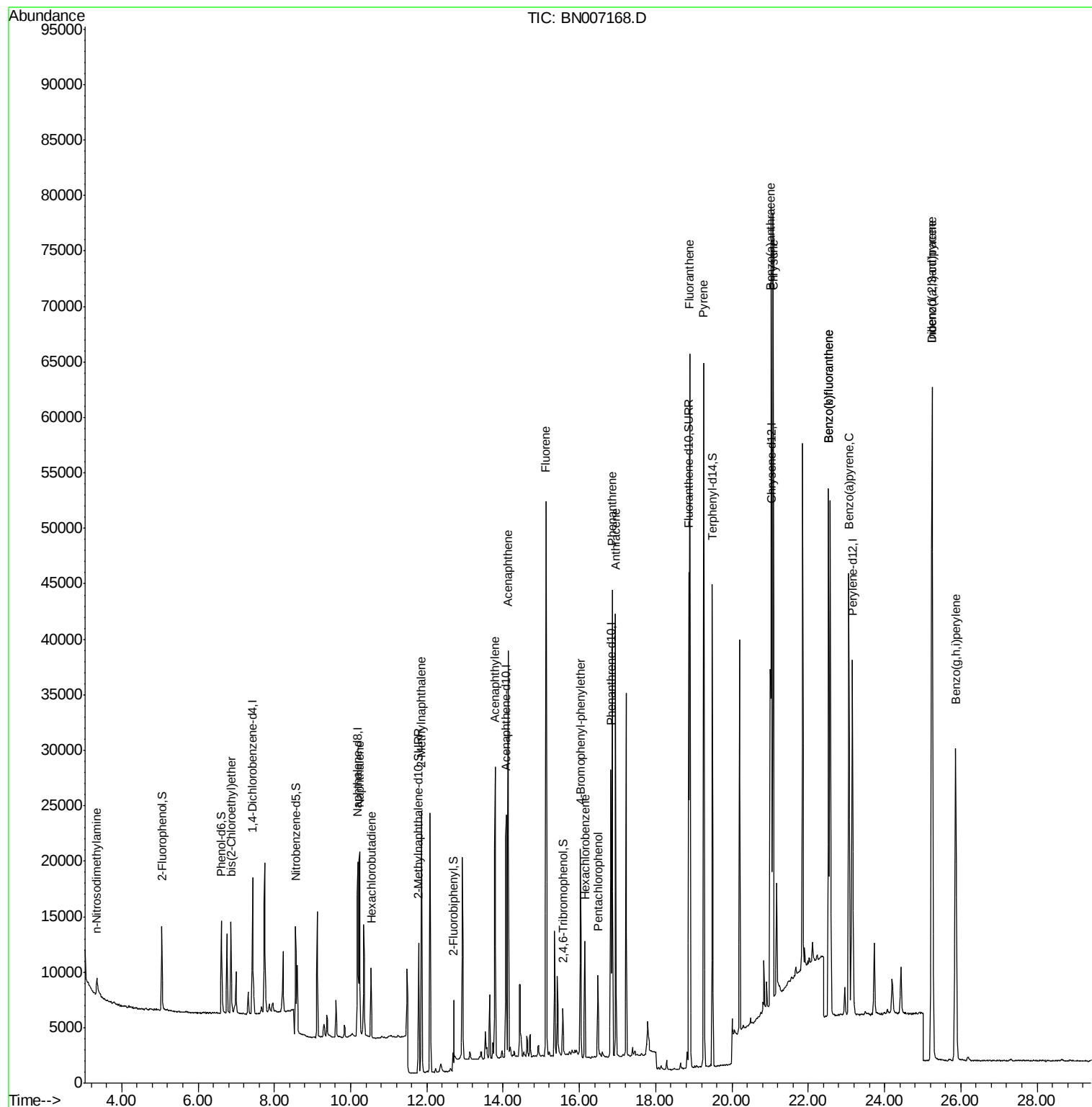
Target Compounds				Qvalue		
2) n-Nitrosodimethylamine	3.34	42	1588	0.409	ng	# 97
5) bis(2-Chloroethyl)ether	6.86	93	6367	0.410	ng	99
8) Naphthalene	10.24	128	23973	0.388	ng	99
9) Hexachlorobutadiene	10.54	225	5389	0.410	ng	# 98
11) 2-Methylnaphthalene	11.86	142	17322	0.396	ng	97
15) Acenaphthylene	13.79	152	29550	0.427	ng	99
16) Acenaphthene	14.13	154	18076	0.408	ng	99
17) Fluorene	15.12	166	25156	0.379	ng	99
19) 4-Bromophenyl-phenylether	16.03	248	9136	0.438	ng	# 92
20) Hexachlorobenzene	16.14	284	8700	0.433	ng	99
21) Pentachlorophenol	16.48	266	3498	0.467	ng	97
22) Phenanthrene	16.87	178	43694	0.432	ng	100
23) Anthracene	16.95	178	41069	0.444	ng	99
25) Fluoranthene	18.90	202	55425	0.428	ng	100
27) Pyrene	19.26	202	57012	0.470	ng	100
29) Benzo(a)anthracene	21.02	228	57290	0.453	ng	99
30) Chrysene	21.08	228	54404	0.443	ng	99
31) Indeno(1,2,3-cd)pyrene	25.24	276	66923	0.494	ng	98
33) Benzo(b)fluoranthene	22.53	252	58797	0.438	ng	97
34) Benzo(k)fluoranthene	22.53	252	58797	0.444	ng	97
35) Benzo(a)pyrene	23.07	252	53971	0.444	ng	# 97
36) Dibenzo(a,h)anthracene	25.25	278	54442	0.449	ng	# 96
37) Benzo(g,h,i)perylene	25.86	276	54427	0.436	ng	98

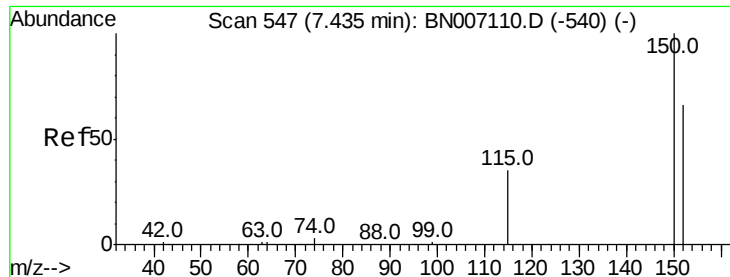
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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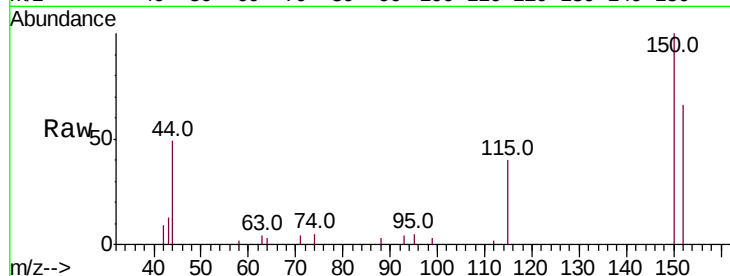


#1

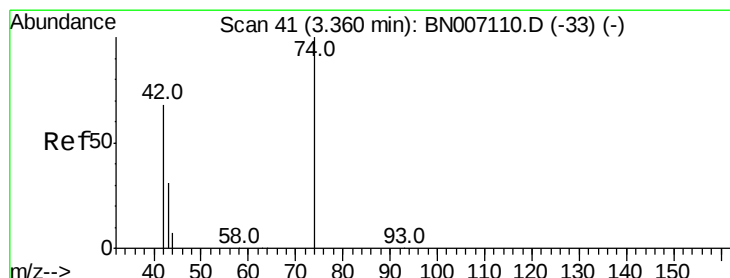
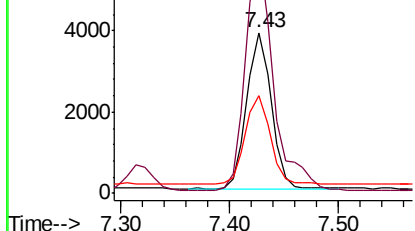
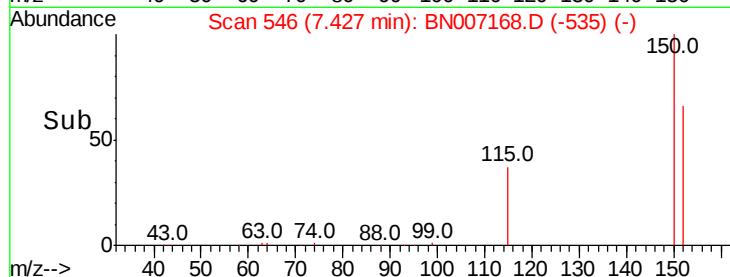
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007168.D
Acq: 14 Aug 2019 18:04

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 5906
Ion Ratio Lower Upper
152 100
150 151.4 121.7 182.5
115 60.4 46.2 69.4



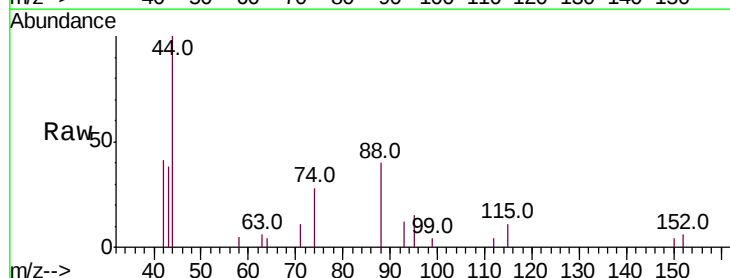
Abundance Ion 152.00 (151.70 to 152.70): E
8000 Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



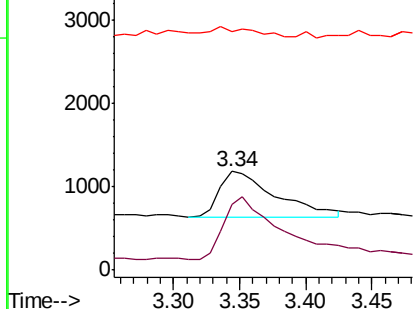
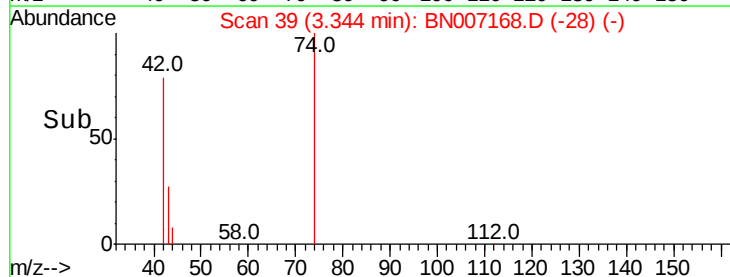
#2

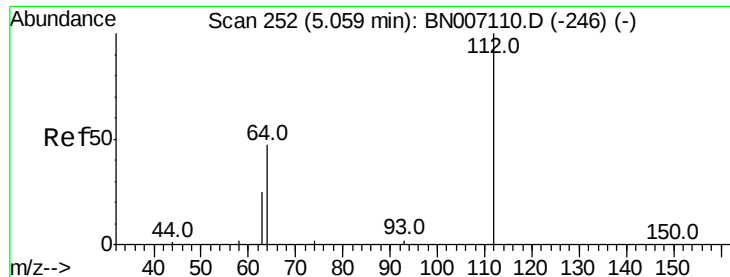
n-Nitrosodimethylamine
Concen: 0.409 ng
RT: 3.34 min Scan# 39
Delta R.T. -0.02 min
Lab File: BN007168.D
Acq: 14 Aug 2019 18:04

Tgt Ion: 42 Resp: 1588
Ion Ratio Lower Upper
42 100
74 141.7 110.6 166.0
44 17.7 0.0 0.0#



Abundance Ion 42.00 (41.70 to 42.70): BNC
4000 Ion 74.00 (73.70 to 74.70): BNC
Ion 44.00 (43.70 to 44.70): BNC





#3

2-Fluorophenol

Concen: 0.443 ng

RT: 5.05 min Scan# 251

Delta R.T. -0.01 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

Instrument :

BNA_N

ClientSampleId :

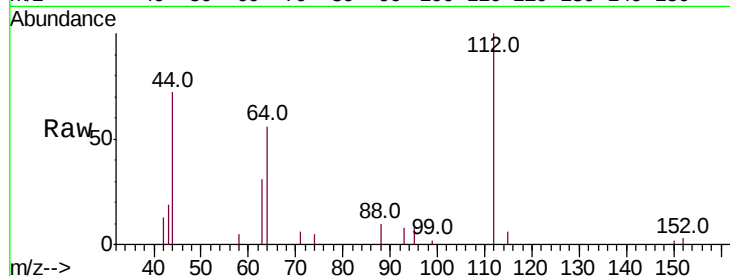
Tot Ion:112 Resp: 6290

Ion Ratio Lower Upper

112 100

64 51.3 42.6 63.8

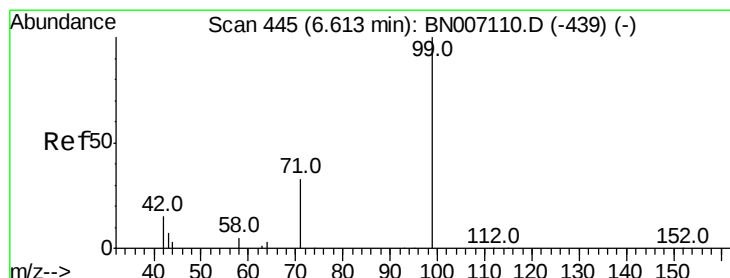
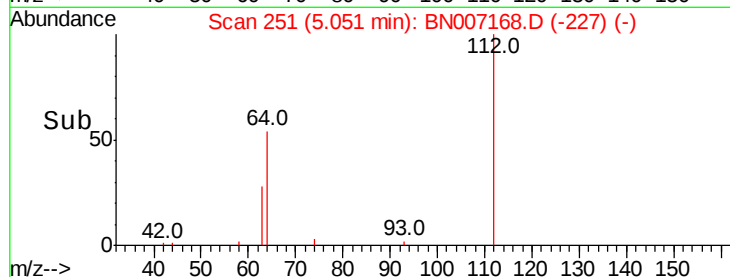
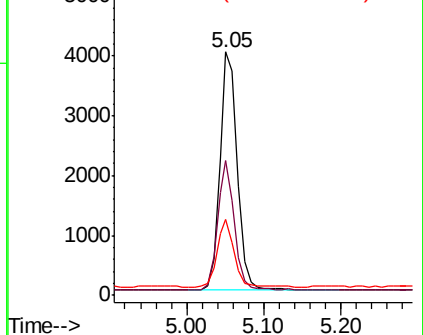
63 27.9 22.2 33.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO



#4

Phenol-d6

Concen: 0.433 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

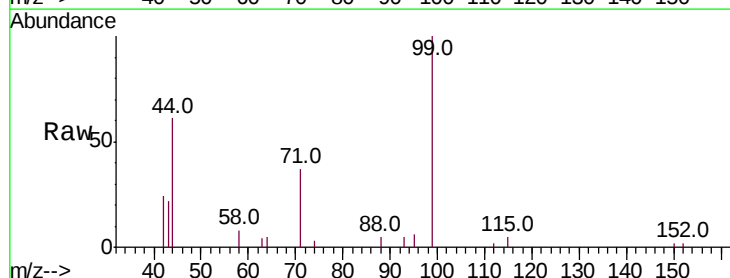
Tgt Ion: 99 Resp: 7617

Ion Ratio Lower Upper

99 100

42 18.5 15.8 23.6

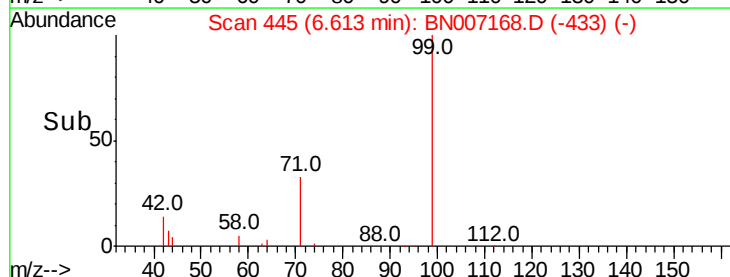
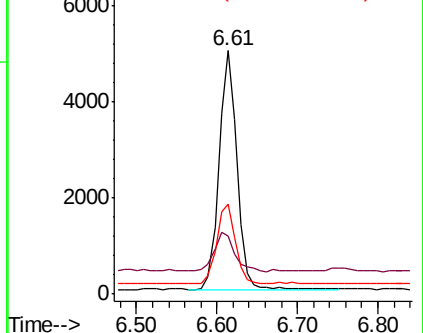
71 34.8 27.0 40.4

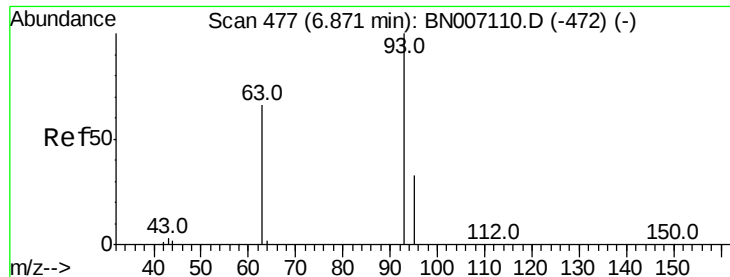


Abundance Ion 99.00 (98.70 to 99.70): BNO

Ion 42.00 (41.70 to 42.70): BNO

Ion 71.00 (70.70 to 71.70): BNO





#5

bis(2-Chloroethyl)ether

Concen: 0.410 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.01 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

Instrument :

BNA_N

ClientSampleId :

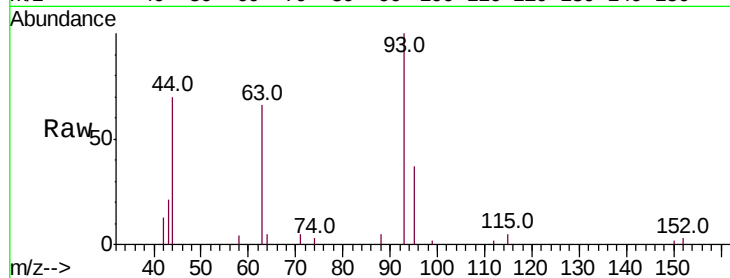
Tot Ion: 93 Resp: 6367

Ion Ratio Lower Upper

93 100

63 68.7 55.6 83.4

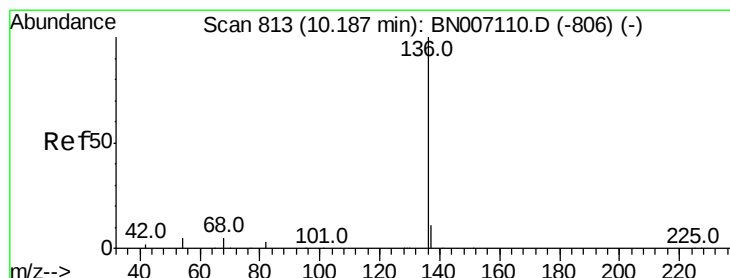
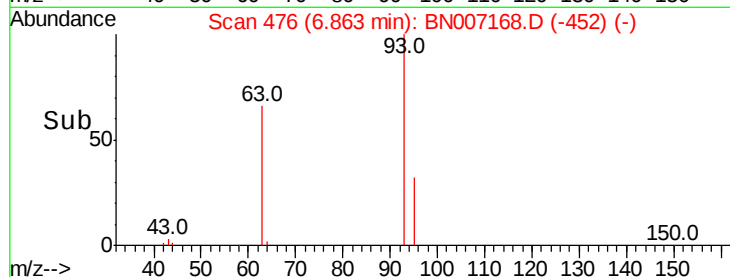
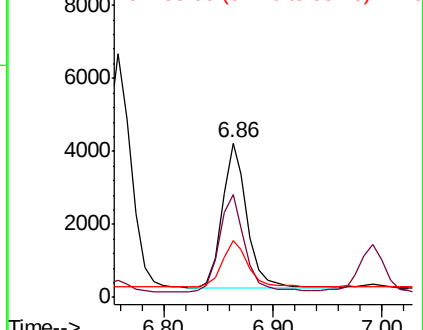
95 32.7 26.7 40.1



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: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

Tgt Ion: 136 Resp: 22011

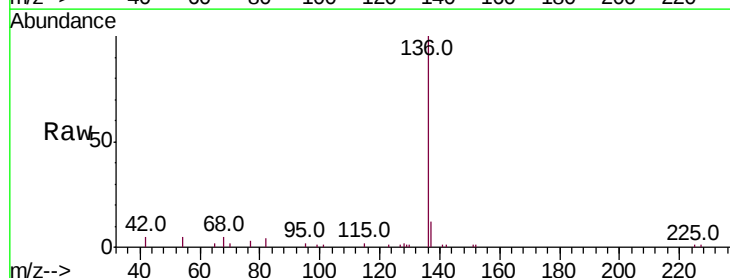
Ion Ratio Lower Upper

136 100

137 11.5 9.4 14.0

54 5.5 6.6 9.8#

68 5.3 6.0 9.0#

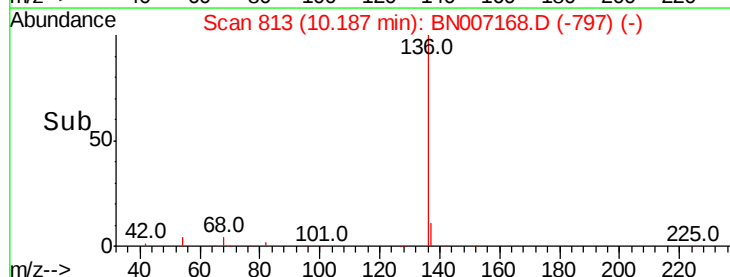
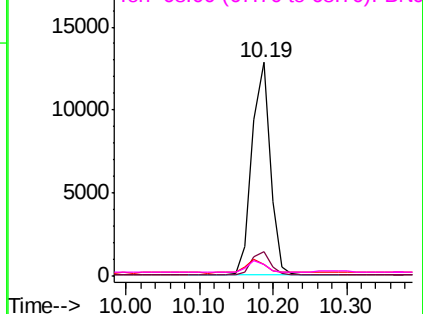


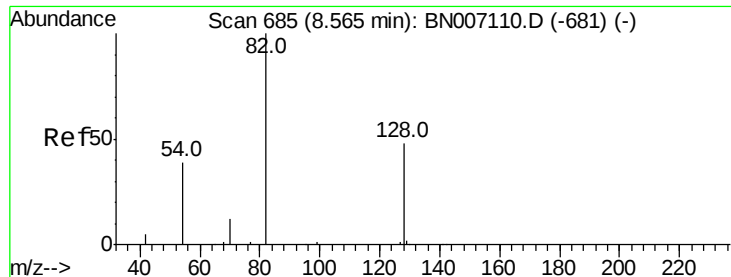
Abundance Ion 136.00 (135.70 to 136.70): BN007110.D (-806) (-)

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: 0.441 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

Instrument :

BNA_N

ClientSampleId :

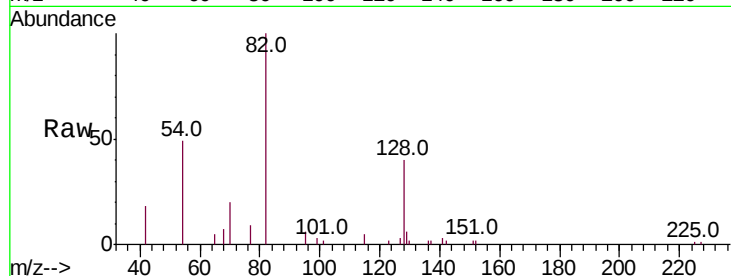
Tot Ion: 82 Resp: 7832

Ion Ratio Lower Upper

82 100

128 40.2 34.6 51.8

54 48.8 36.2 54.4



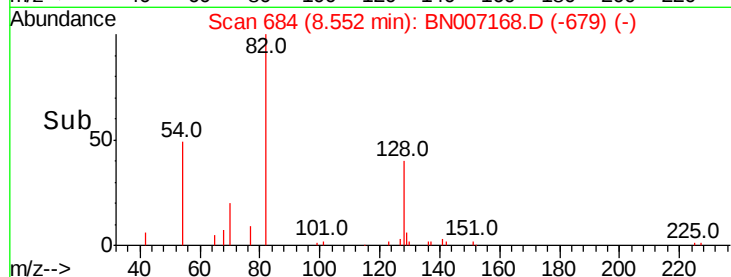
Abundance Ion 82.00 (81.70 to 82.70): BN007110.D (-681) (-)

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

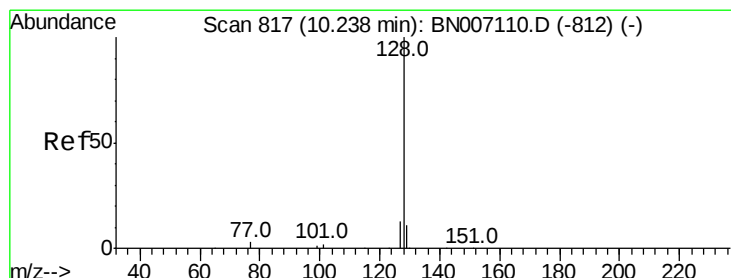
Ion 54.00 (53.70 to 54.70): BN007110.D (-681) (-)

8.55

Time-->



Time-->



#8

Naphthalene

Concen: 0.388 ng

RT: 10.24 min Scan# 817

Delta R.T. -0.00 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

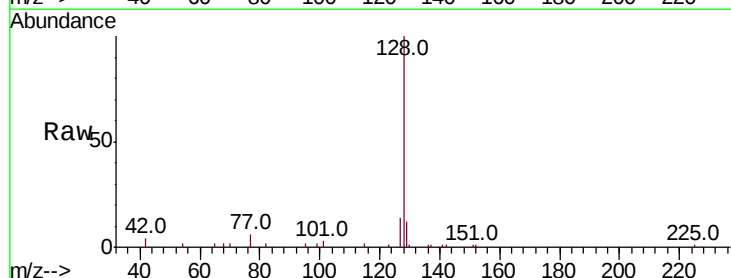
Tgt Ion: 128 Resp: 23973

Ion Ratio Lower Upper

128 100

129 12.2 9.4 14.2

127 13.6 11.0 16.6



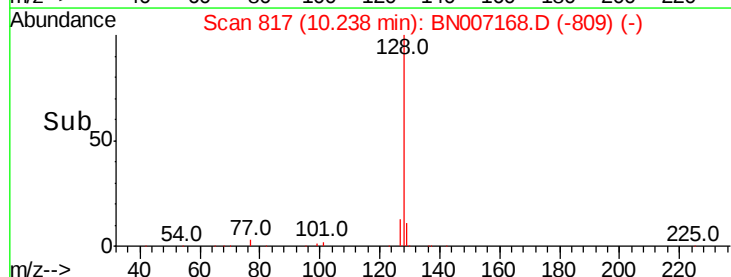
Abundance Ion 128.00 (127.70 to 128.70): BN007110.D (-812) (-)

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

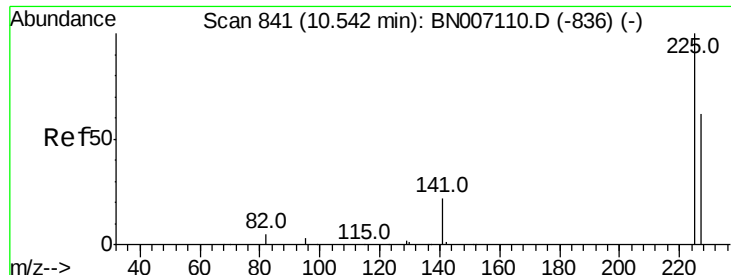
Ion 127.00 (126.70 to 127.70): BN007110.D (-812) (-)

10.24

Time-->



Time-->



#9

Hexachlorobutadiene

Concen: 0.410 ng

RT: 10.54 min Scan# 841

Delta R.T. -0.01 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

Instrument :

BNA_N

ClientSampleId :

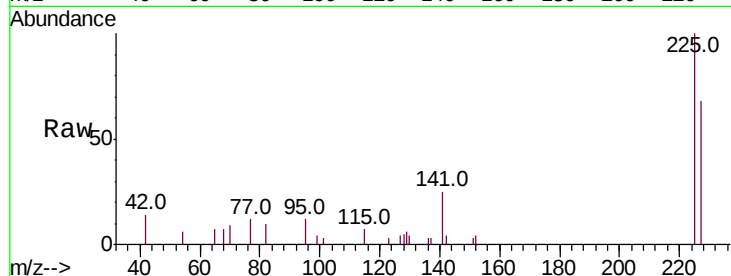
Tot Ion:225 Resp: 5389

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

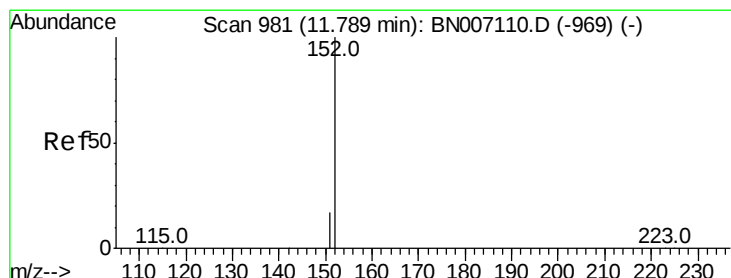
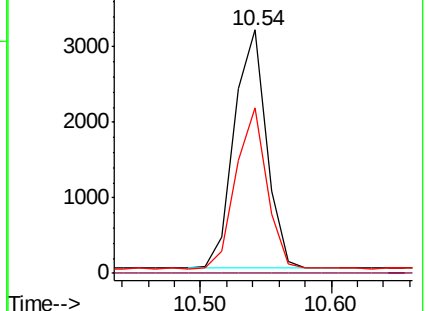
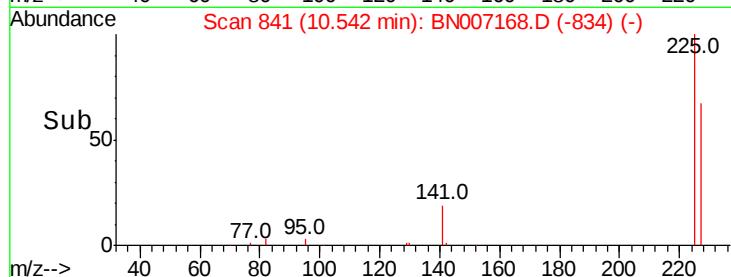
227 65.3 51.1 76.7



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: 0.392 ng

RT: 11.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BN007168.D

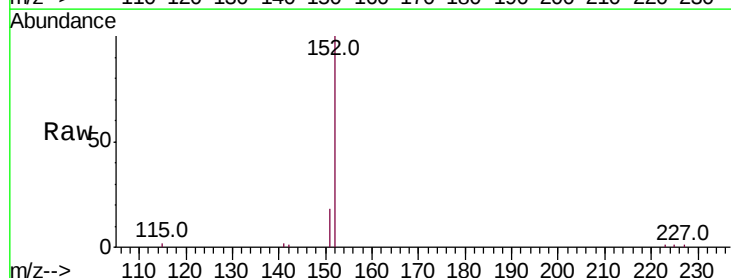
Acq: 14 Aug 2019 18:04

Tgt Ion:152 Resp: 16102

Ion Ratio Lower Upper

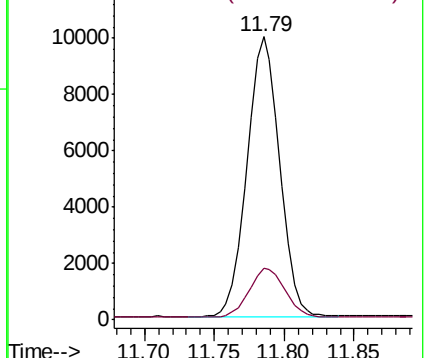
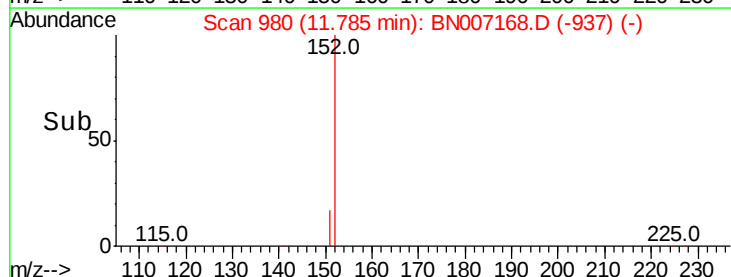
152 100

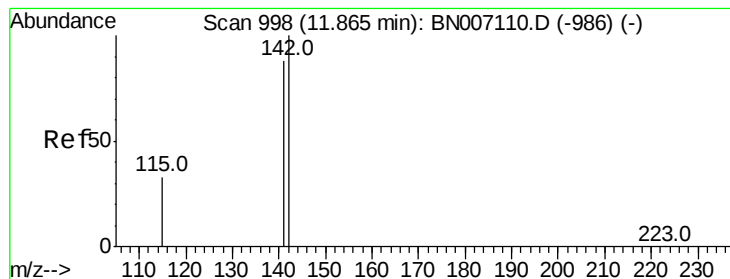
151 19.4 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#11

2-Methylnaphthalene

Concen: 0.396 ng

RT: 11.86 min Scan# 997

Delta R.T. -0.01 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

Instrument :

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ClientSampleId :

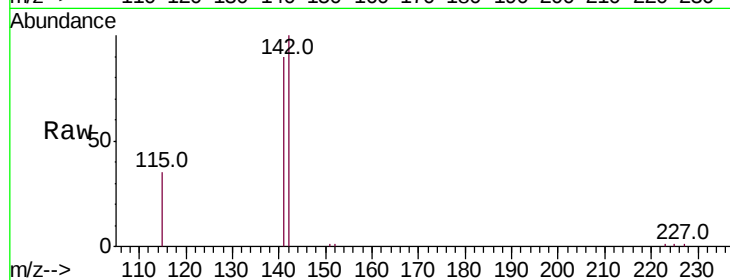
Tot Ion:142 Resp: 17322

Ion Ratio Lower Upper

142 100

141 89.6 69.0 103.6

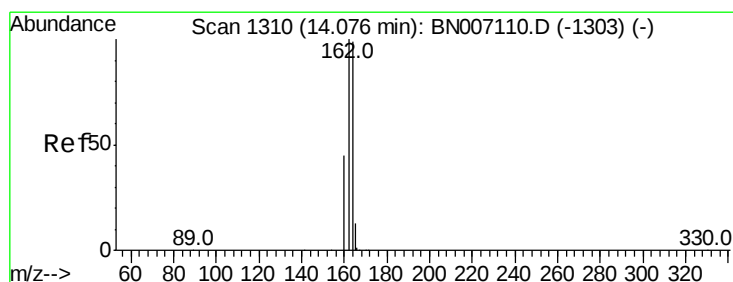
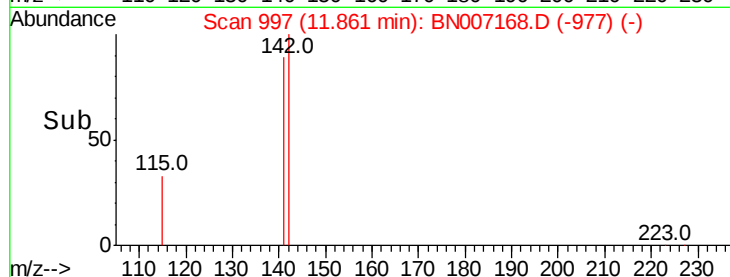
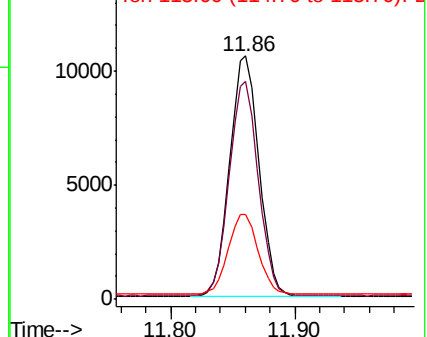
115 35.1 27.1 40.7



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: BN007168.D

Acq: 14 Aug 2019 18:04

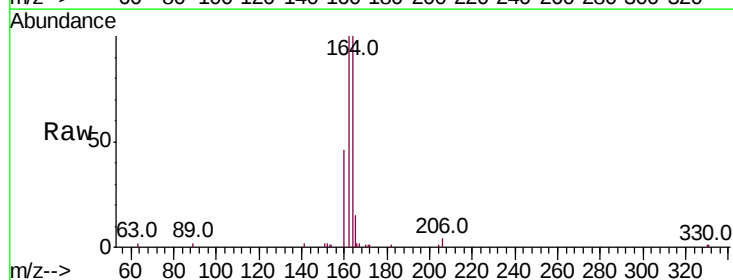
Tgt Ion:164 Resp: 13240

Ion Ratio Lower Upper

164 100

162 100.2 82.2 123.4

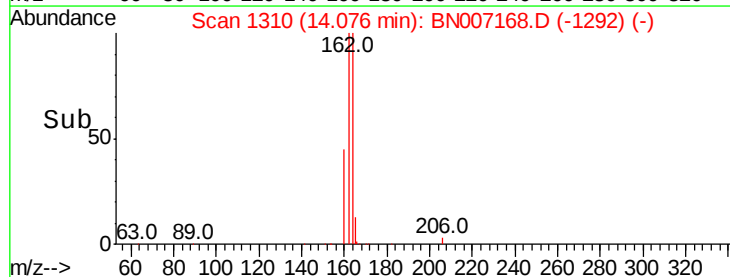
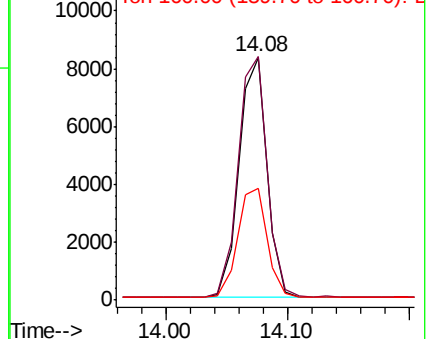
160 45.8 38.3 57.5

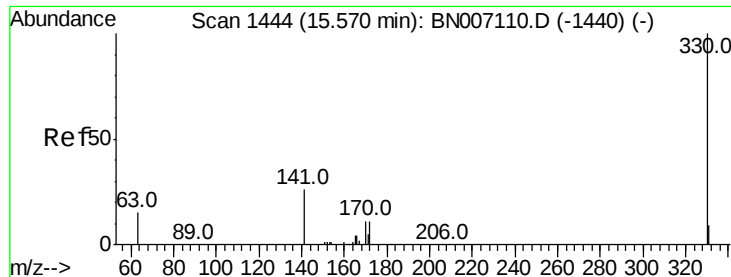


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

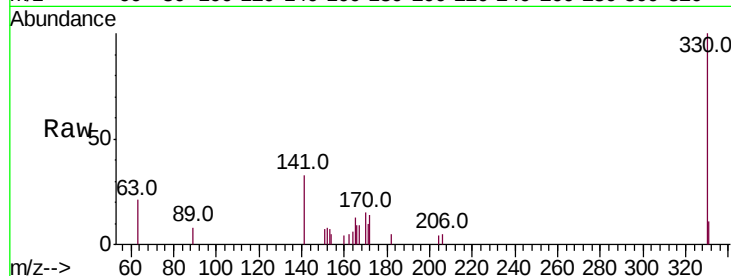




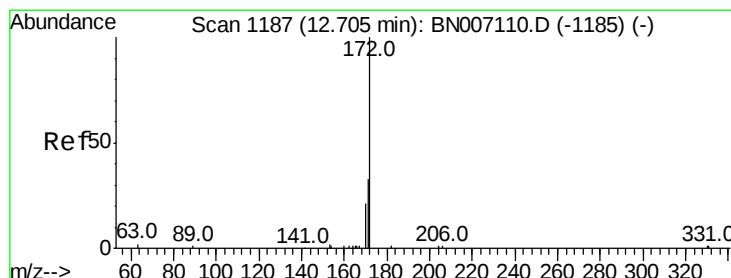
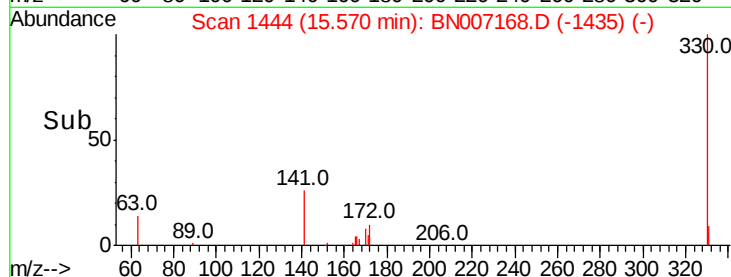
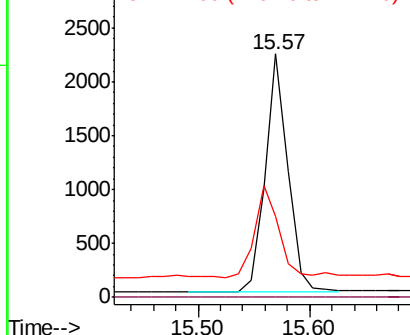
#13
 2,4,6-Tribromophenol
 Concen: 0.438 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007168.D
 Acq: 14 Aug 2019 18:04

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:330 Resp: 3126
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 41.0 33.6 50.4

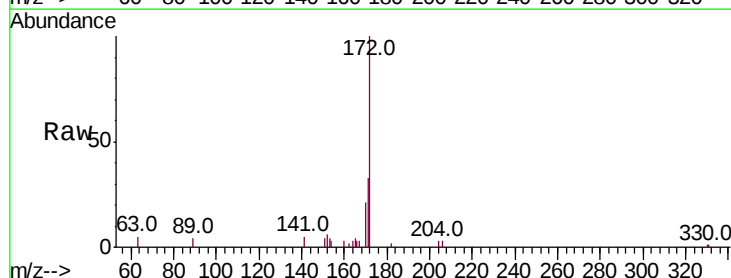


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

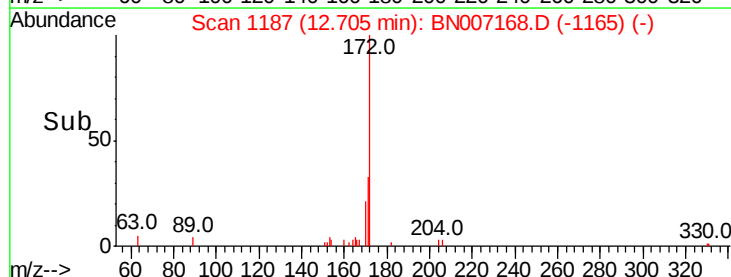
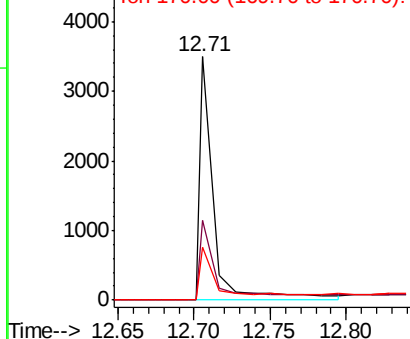


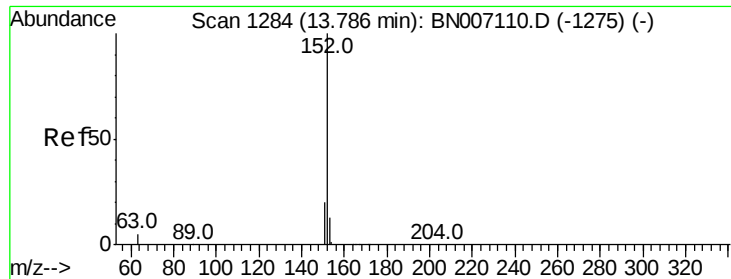
#14
 2-Fluorobiphenyl
 Concen: 0.136 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007168.D
 Acq: 14 Aug 2019 18:04

Tgt Ion:172 Resp: 2616
 Ion Ratio Lower Upper
 172 100
 171 32.6 26.3 39.5
 170 21.5 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: 0.427 ng

RT: 13.79 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

Instrument :

BNA_N

ClientSampleId :

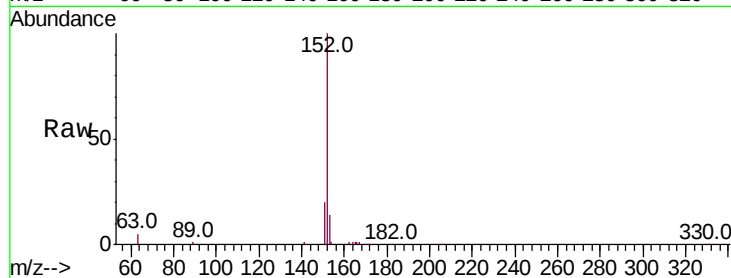
Tot Ion:152 Resp: 29550

Ion Ratio Lower Upper

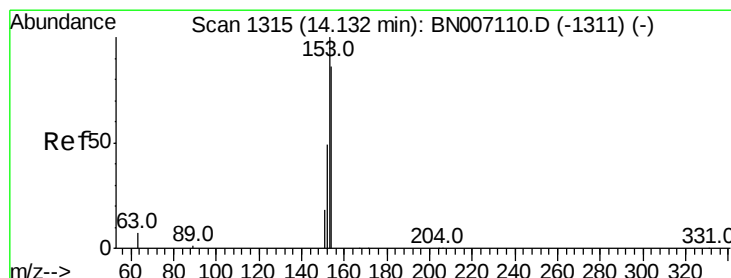
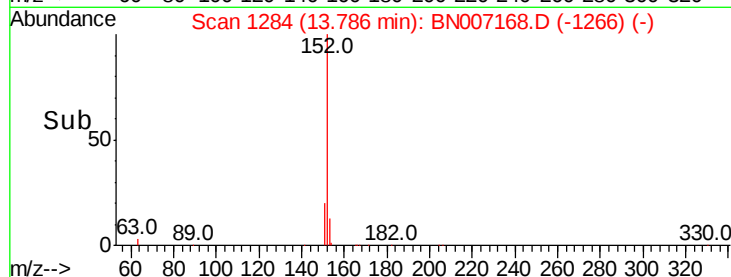
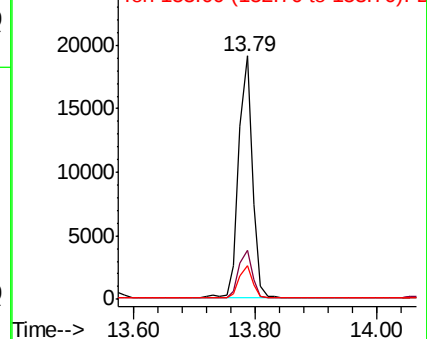
152 100

151 19.4 15.8 23.6

153 13.2 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: 0.408 ng

RT: 14.13 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

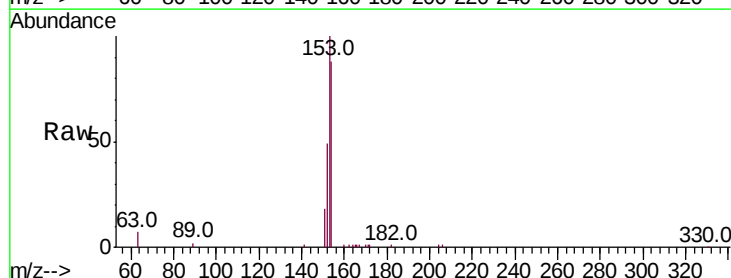
Tgt Ion:154 Resp: 18076

Ion Ratio Lower Upper

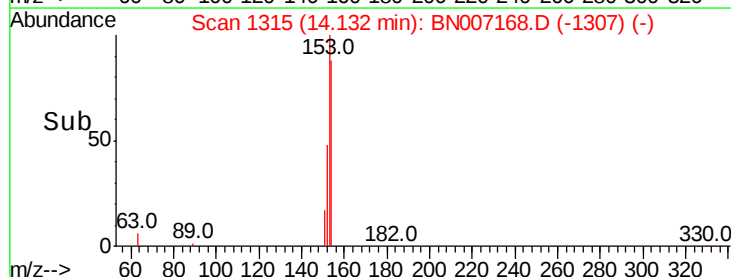
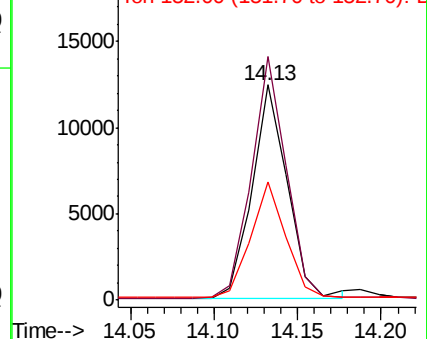
154 100

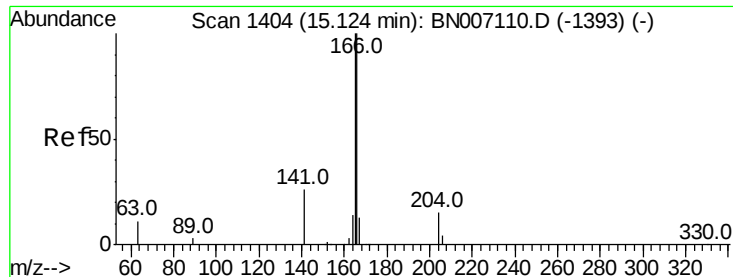
153 111.3 89.5 134.3

152 54.5 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

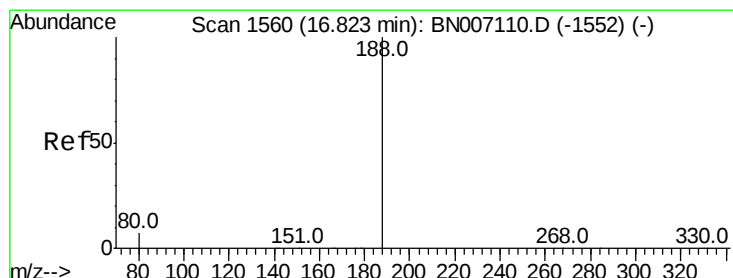
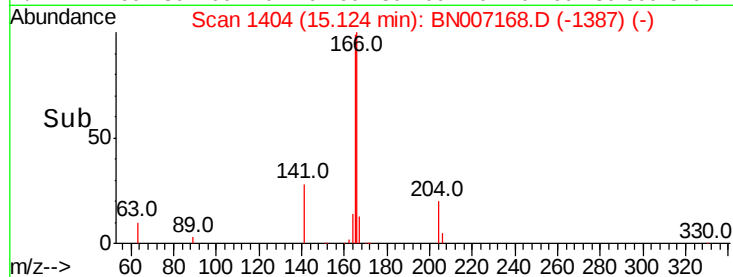
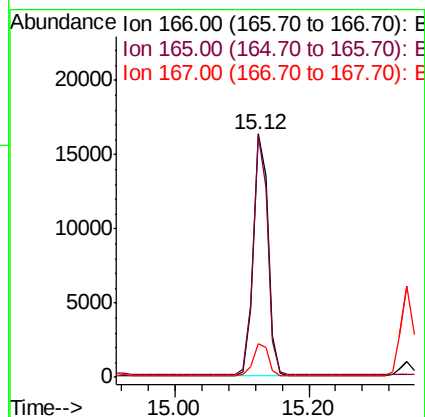
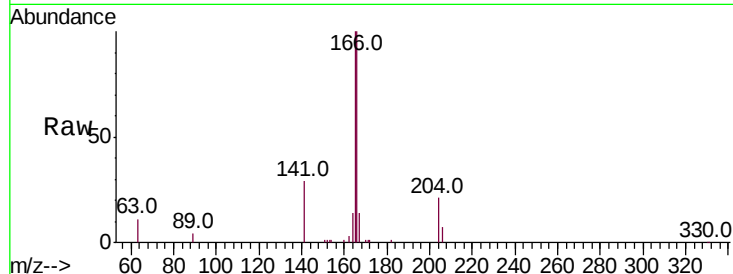




#17
Fluorene
Concen: 0.379 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007168.D
Acq: 14 Aug 2019 18:04

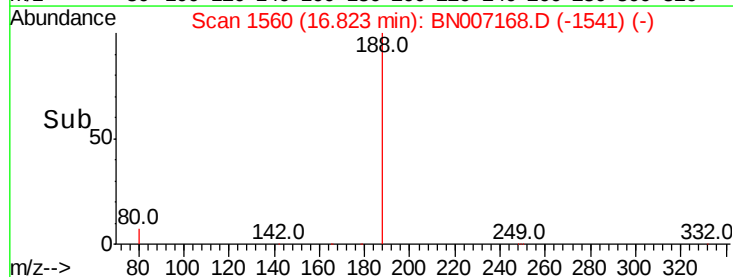
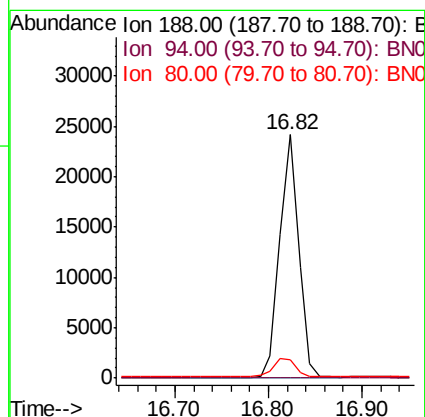
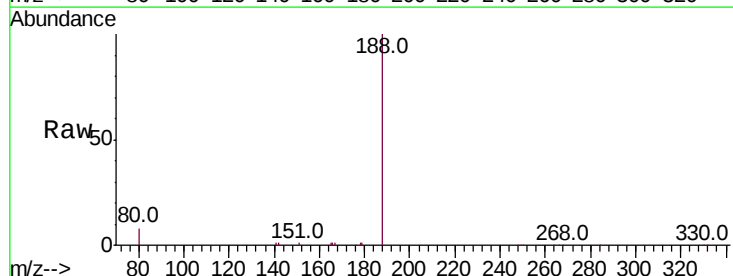
Instrument :
BNA_N
ClientSampleId :

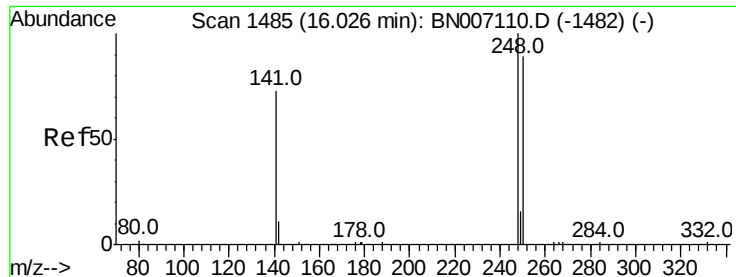
Tot Ion:166 Resp: 25156
Ion Ratio Lower Upper
166 100
165 96.4 77.9 116.9
167 13.4 10.9 16.3



#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007168.D
Acq: 14 Aug 2019 18:04

Tgt Ion:188 Resp: 33762
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.5 7.8 11.6#





#19

4-Bromophenyl-phenylether

Concen: 0.438 ng

RT: 16.03 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

Instrument :

BNA_N

ClientSampled :

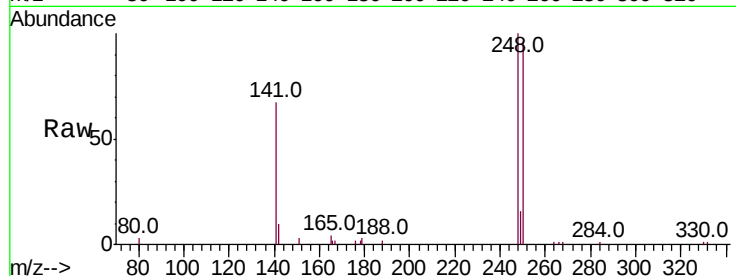
Tot Ion:248 Resp: 9136

Ion Ratio Lower Upper

248 100

250 96.1 78.9 118.3

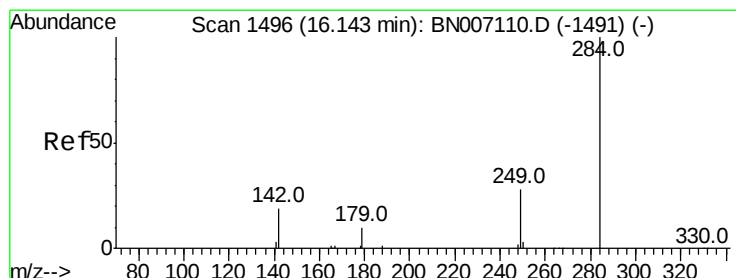
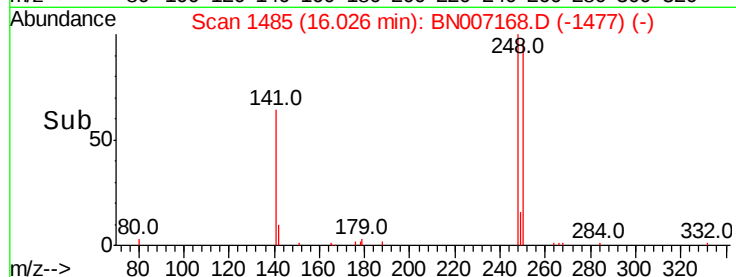
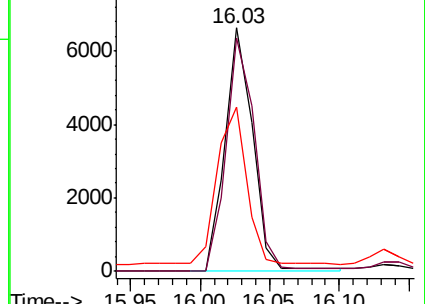
141 67.4 43.3 64.9#



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: 0.433 ng

RT: 16.14 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

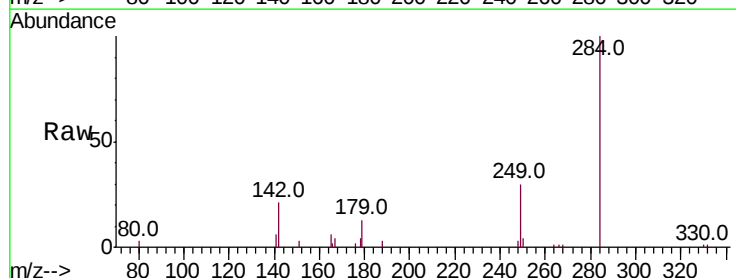
Tgt Ion:284 Resp: 8700

Ion Ratio Lower Upper

284 100

142 36.7 30.5 45.7

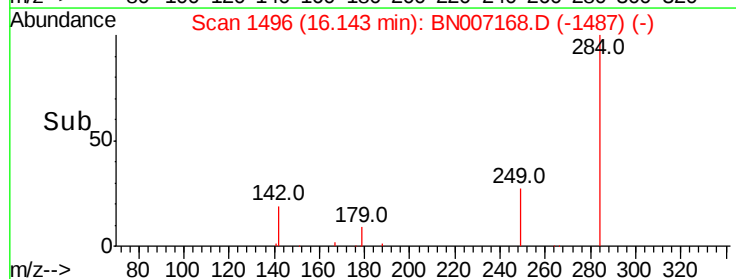
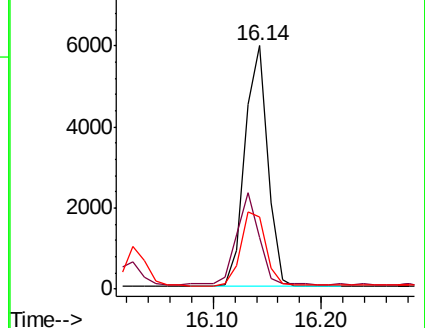
249 33.4 26.7 40.1

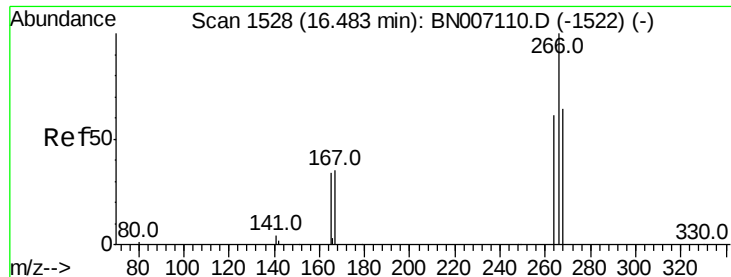


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

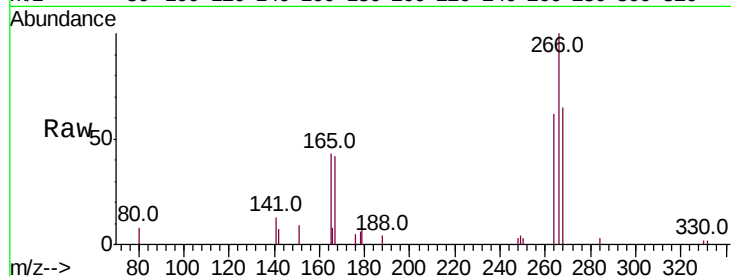




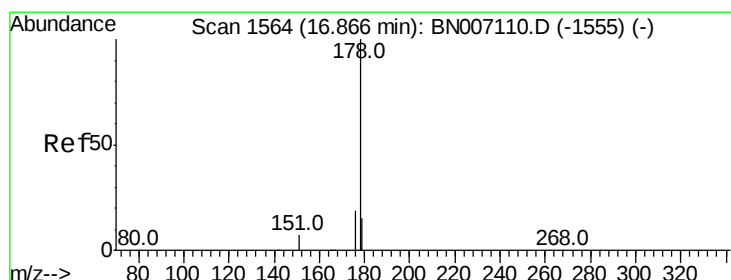
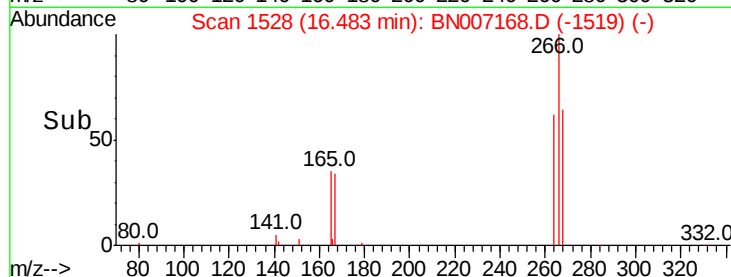
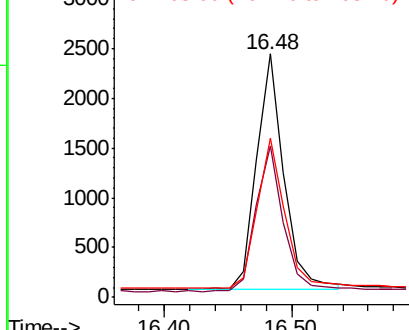
#21
 Pentachlorophenol
 Concen: 0.467 ng
 RT: 16.48 min Scan# 1528
 Delta R.T. -0.00 min
 Lab File: BN007168.D
 Acq: 14 Aug 2019 18:04

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:266 Resp: 3498
 Ion Ratio Lower Upper
 266 100
 264 62.3 52.3 78.5
 268 65.2 51.5 77.3

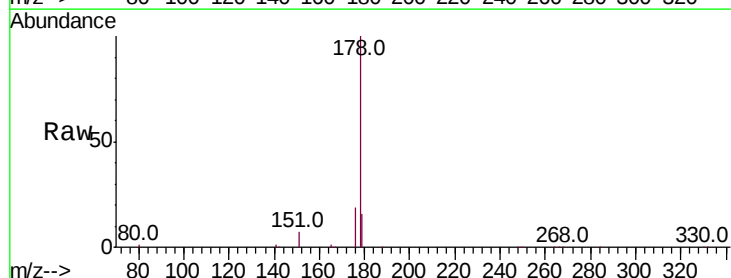


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

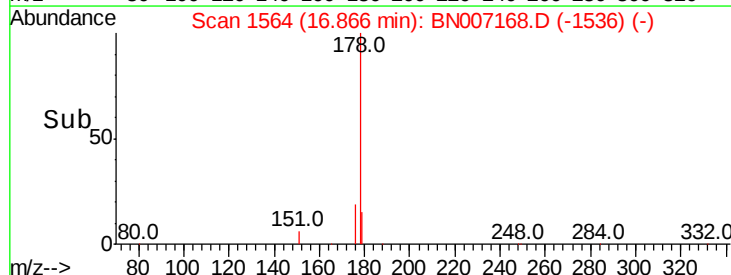
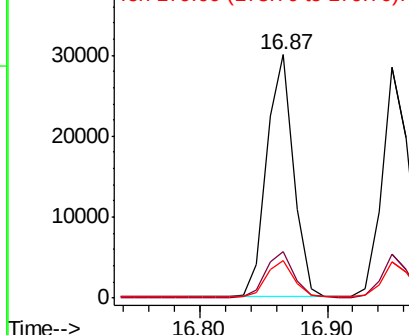


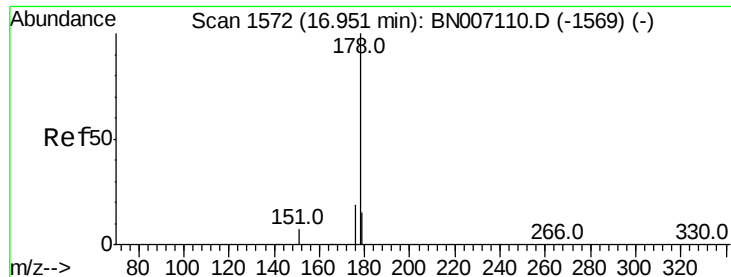
#22
 Phenanthrene
 Concen: 0.432 ng
 RT: 16.87 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BN007168.D
 Acq: 14 Aug 2019 18:04

Tgt Ion:178 Resp: 43694
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.2 22.8
 179 15.4 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: 0.444 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

Instrument :

BNA_N

ClientSampleId :

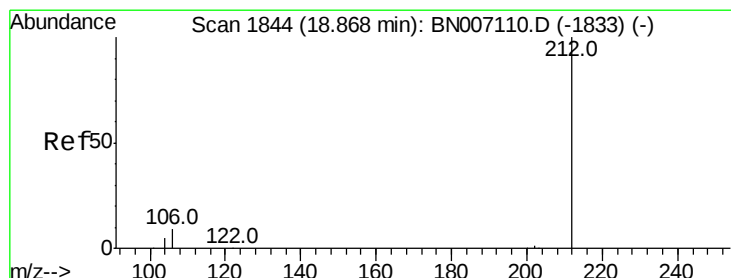
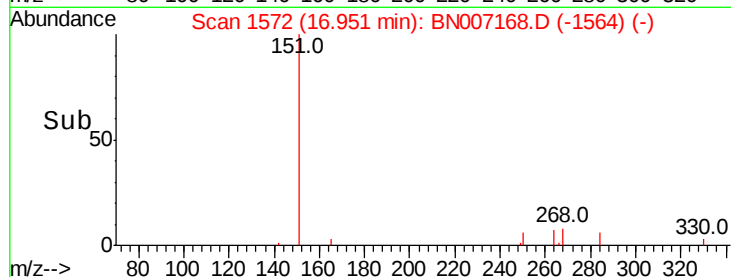
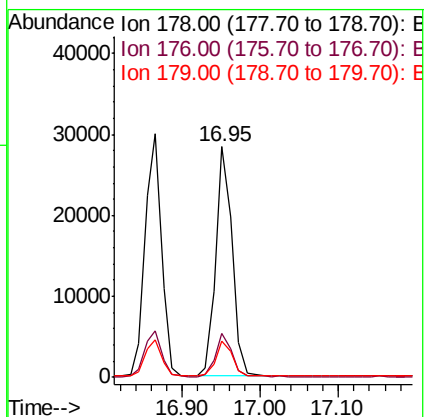
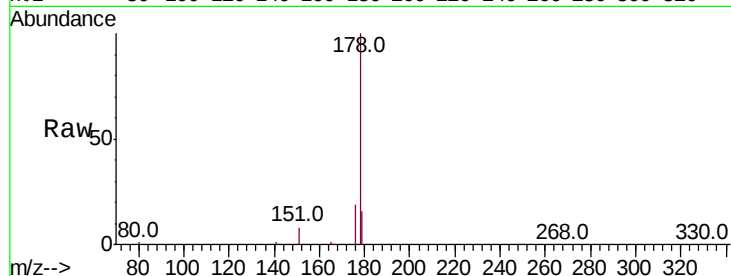
Tot Ion:178 Resp: 41069

Ion Ratio Lower Upper

178 100

176 18.4 14.6 21.8

179 15.1 12.5 18.7



#24

Fluoranthene-d10

Concen: 0.423 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

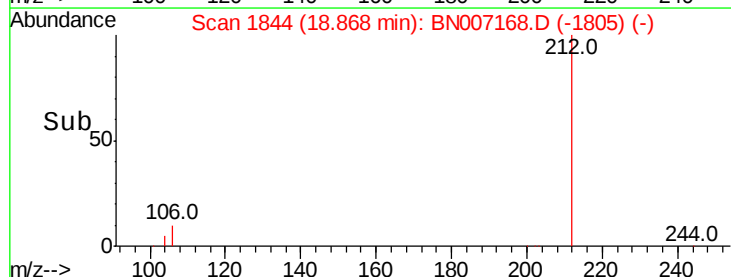
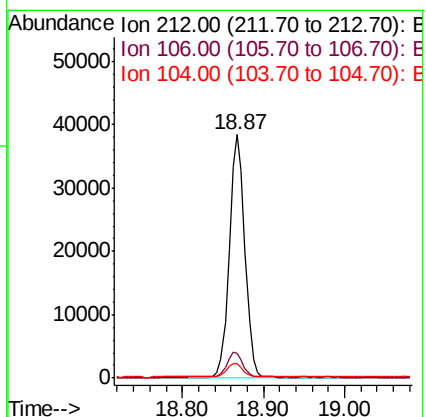
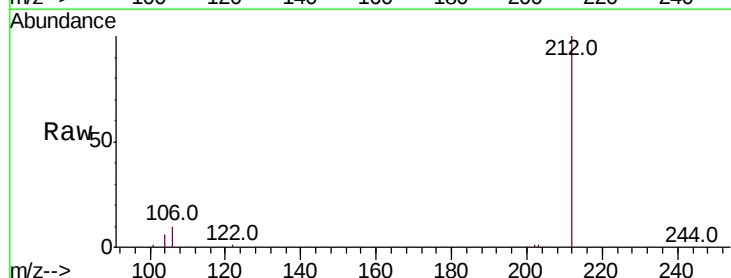
Tgt Ion:212 Resp: 50697

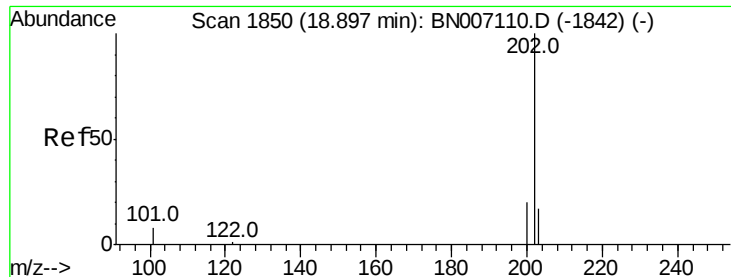
Ion Ratio Lower Upper

212 100

106 10.5 8.2 12.2

104 5.7 4.5 6.7





#25

Fluoranthene

Concen: 0.428 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

Instrument :

BNA_N

ClientSampleId :

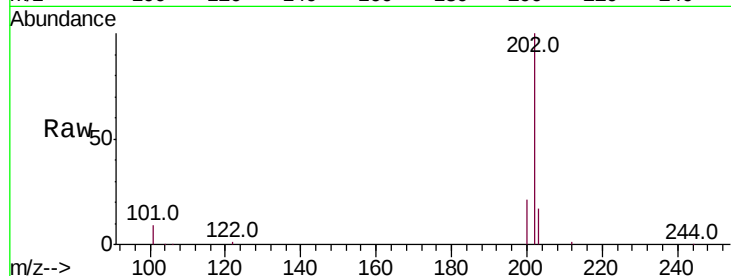
Tot Ion:202 Resp: 55425

Ion Ratio Lower Upper

202 100

101 9.2 7.0 10.4

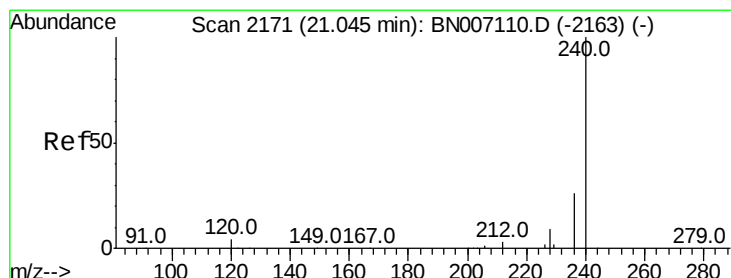
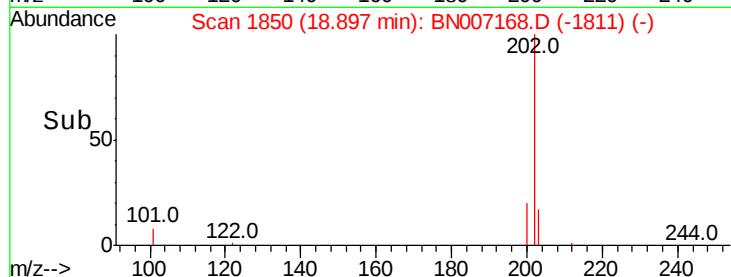
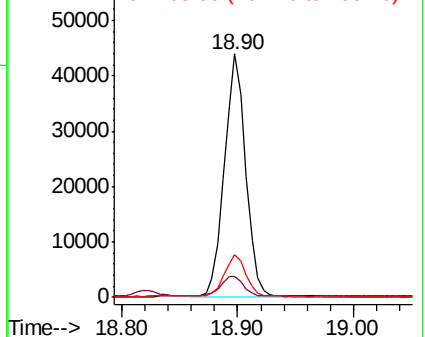
203 17.3 13.8 20.8



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: BN007168.D

Acq: 14 Aug 2019 18:04

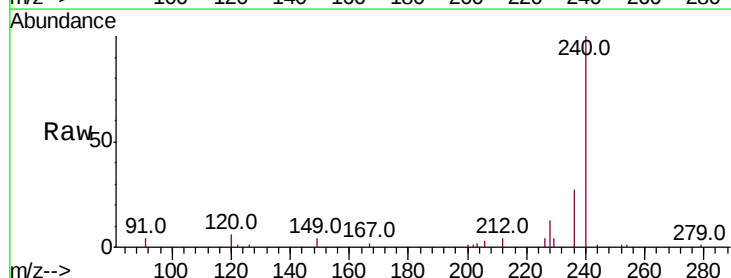
Tgt Ion:240 Resp: 34600

Ion Ratio Lower Upper

240 100

120 6.1 4.0 6.0#

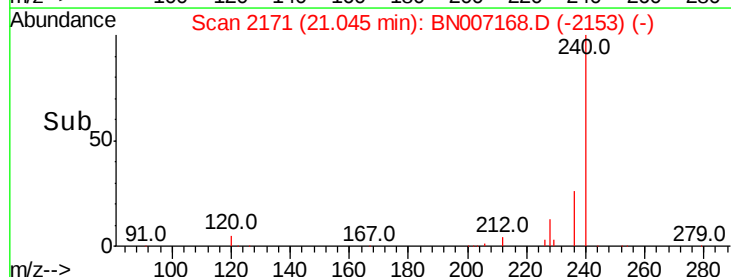
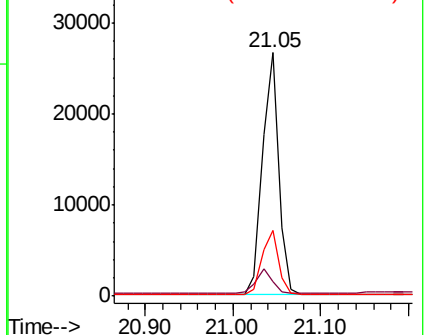
236 26.8 21.3 31.9

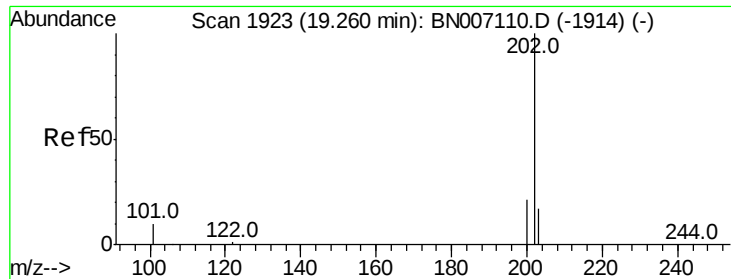


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

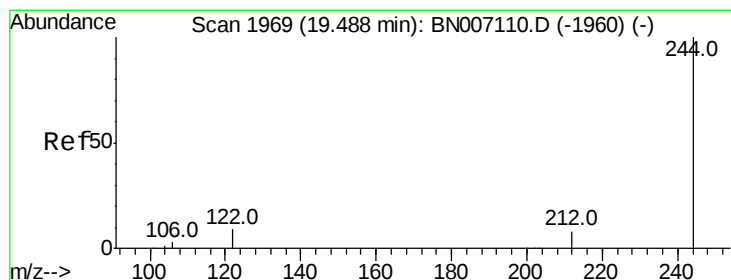
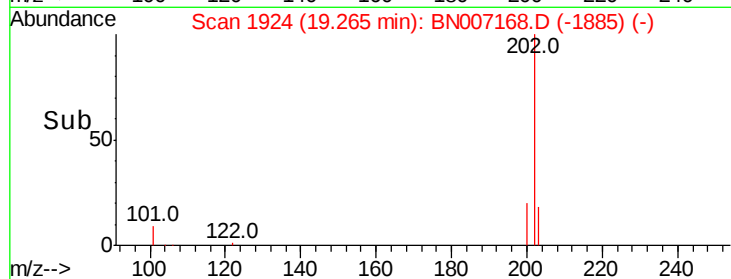
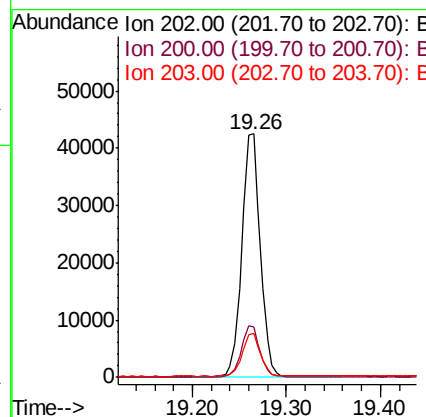
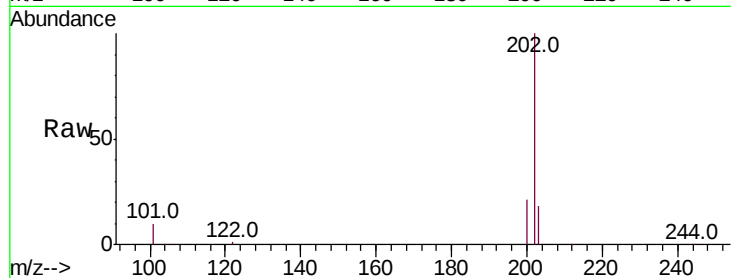




#27
Pvrene
Concen: 0.470 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007168.D
Acq: 14 Aug 2019 18:04

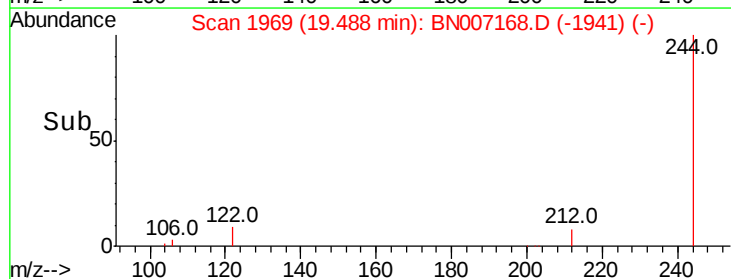
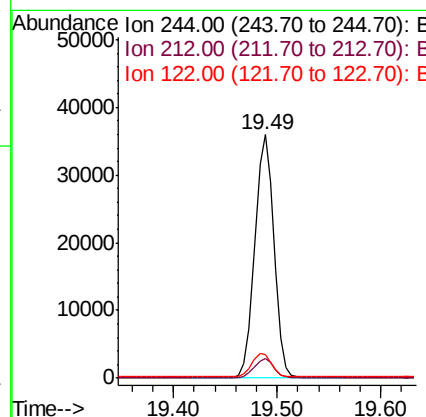
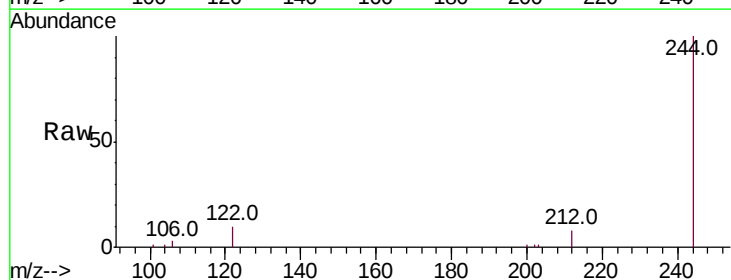
Instrument :
BNA_N
ClientSampleId :

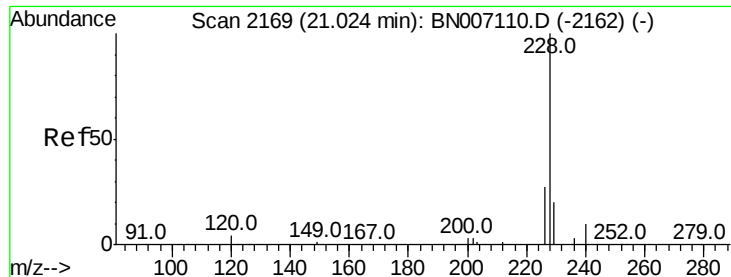
Tot Ion:202 Resp: 57012
Ion Ratio Lower Upper
202 100
200 20.8 16.6 24.8
203 17.7 14.0 21.0



#28
Terphenyl-d14
Concen: 0.467 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007168.D
Acq: 14 Aug 2019 18:04

Tgt Ion:244 Resp: 44066
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.2
122 9.8 7.4 11.2





#29

Benzo(a)anthracene

Concen: 0.453 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

Instrument :

BNA_N

ClientSampleId :

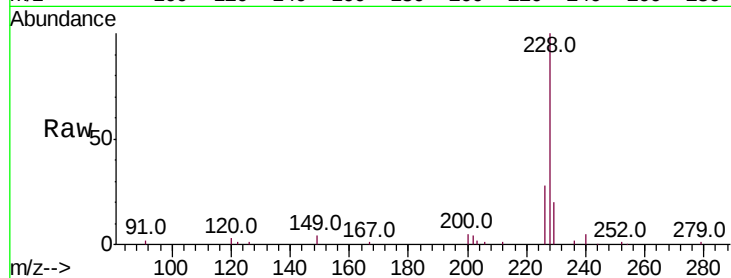
Tot Ion:228 Resp: 57290

Ion Ratio Lower Upper

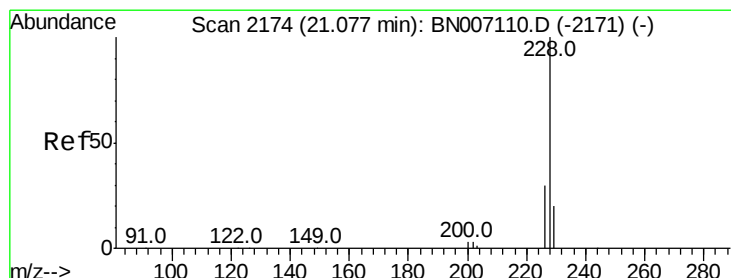
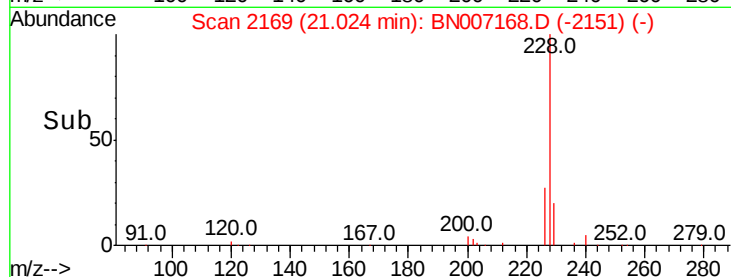
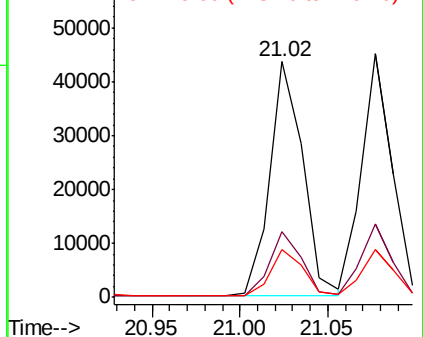
228 100

226 27.7 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: 0.443 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

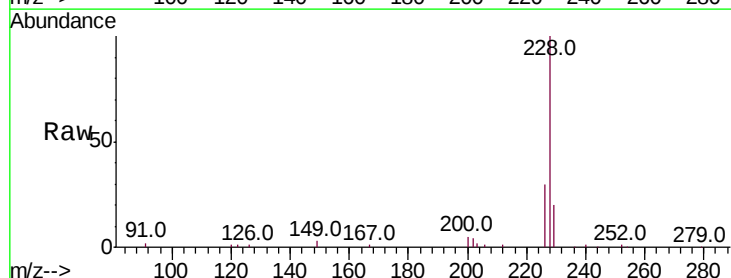
Tgt Ion:228 Resp: 54404

Ion Ratio Lower Upper

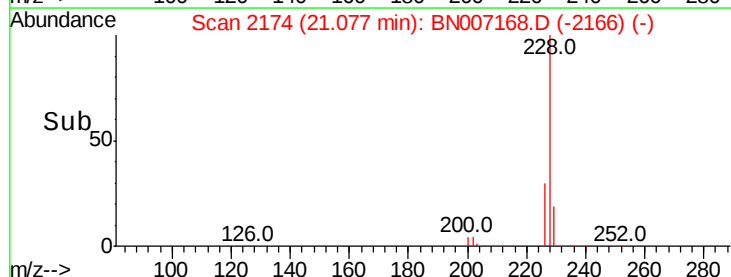
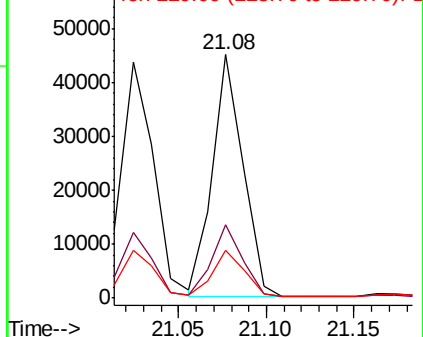
228 100

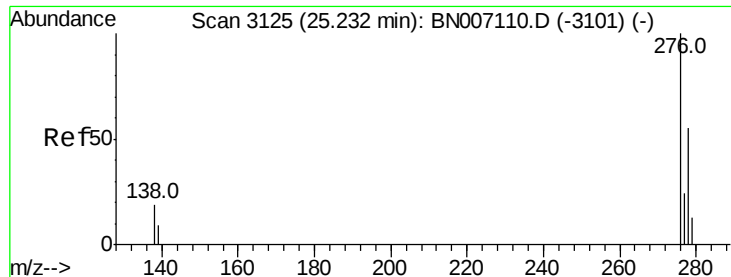
226 30.2 23.8 35.6

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: 0.494 ng

RT: 25.24 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

Instrument :

BNA_N

ClientSampleId :

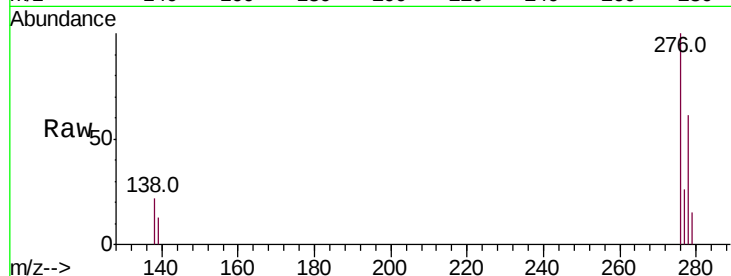
Tot Ion:276 Resp: 66923

Ion Ratio Lower Upper

276 100

138 21.8 16.0 24.0

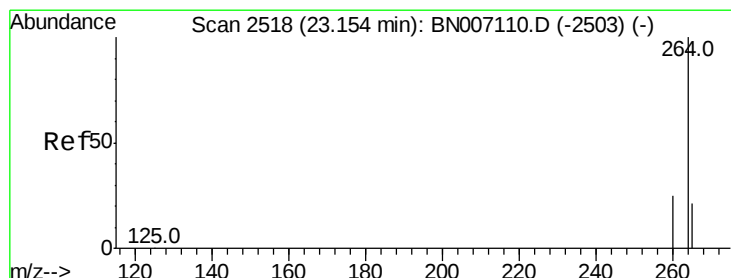
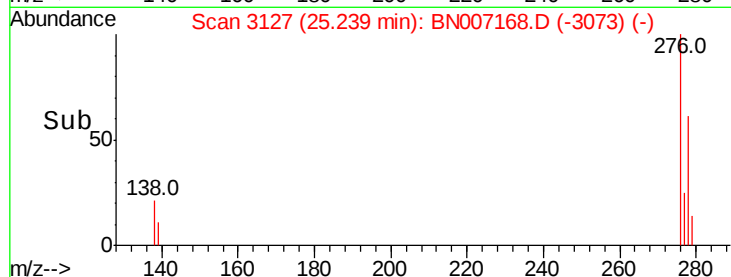
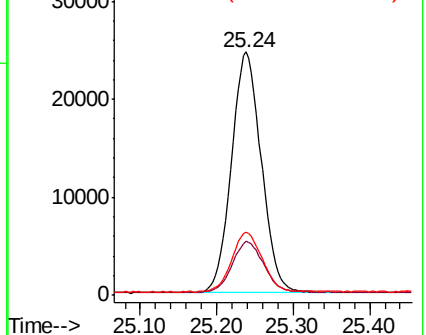
277 25.1 19.9 29.9



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: BN007168.D

Acq: 14 Aug 2019 18:04

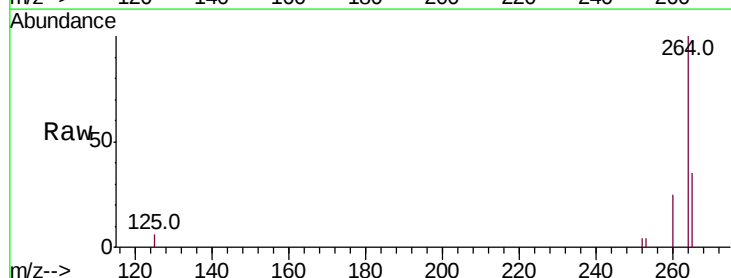
Tgt Ion:264 Resp: 39106

Ion Ratio Lower Upper

264 100

260 24.6 19.8 29.8

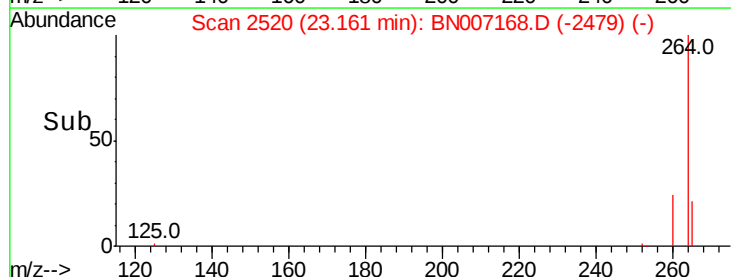
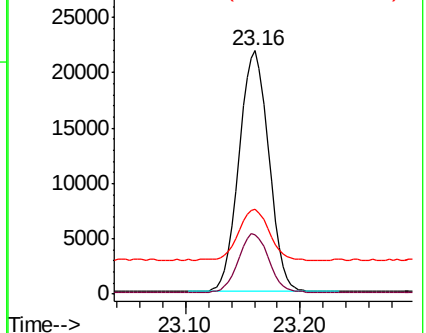
265 34.8 26.2 39.4

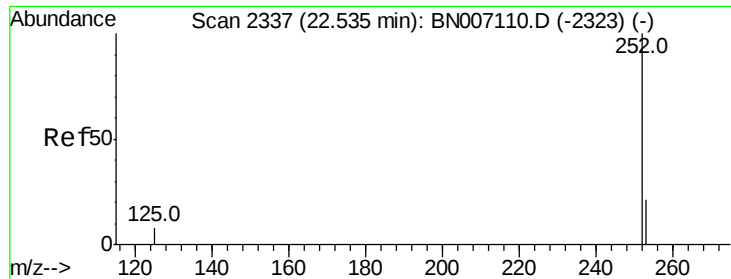


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.438 ng

RT: 22.53 min Scan# 2337

Delta R.T. -0.01 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

Instrument :

BNA_N

ClientSampleId :

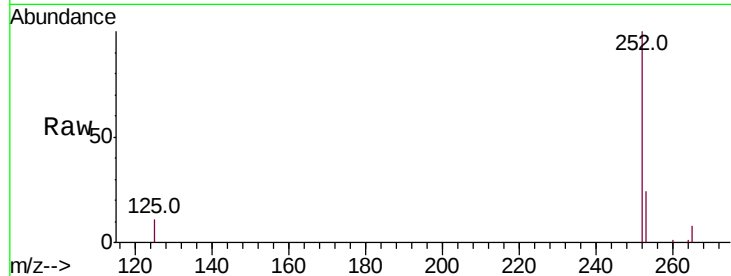
Tot Ion:252 Resp: 58797

Ion Ratio Lower Upper

252 100

253 23.5 18.2 27.2

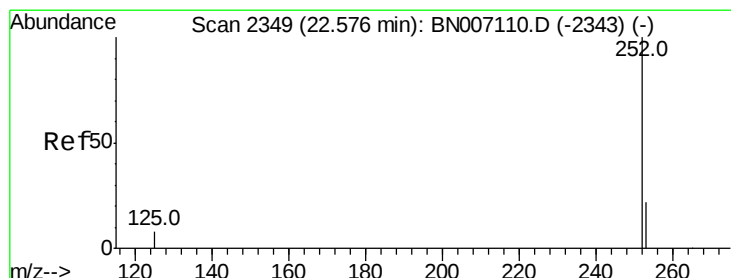
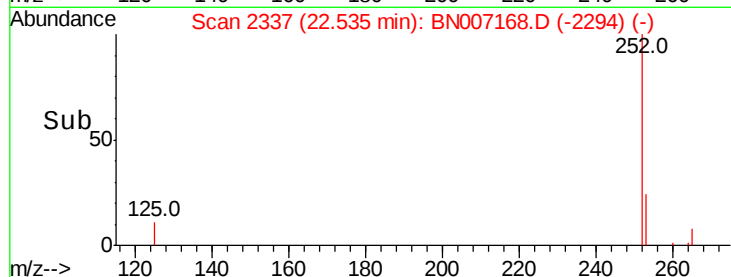
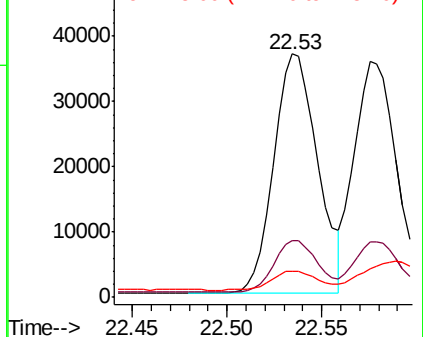
125 10.9 7.4 11.0



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



#34

Benzo(k)fluoranthene

Concen: 0.444 ng

RT: 22.53 min Scan# 2337

Delta R.T. -0.05 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

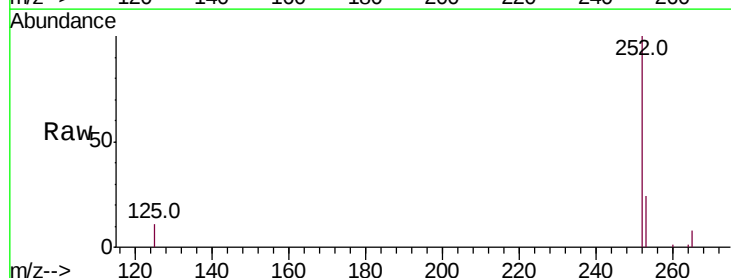
Tgt Ion:252 Resp: 58797

Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

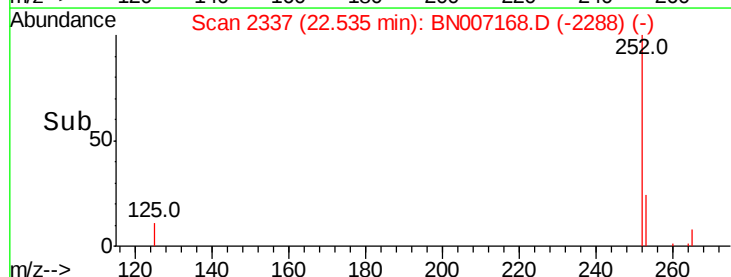
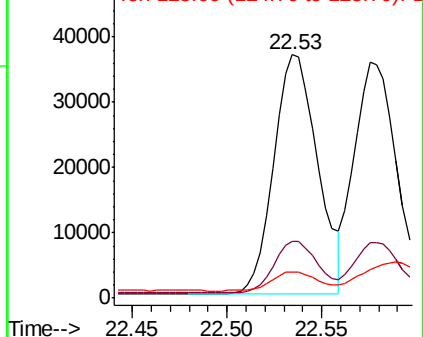
125 10.9 7.4 11.0

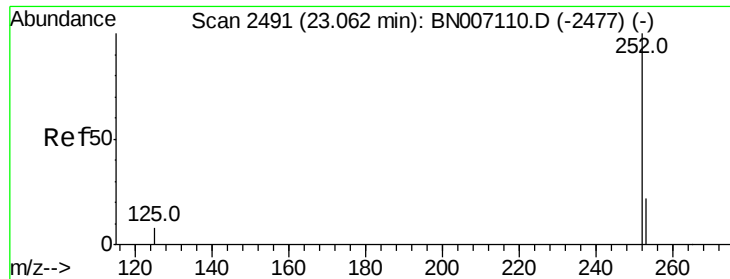


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.444 ng

RT: 23.07 min Scan# 2492

Delta R.T. -0.02 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

Instrument :

BNA_N

ClientSampleId :

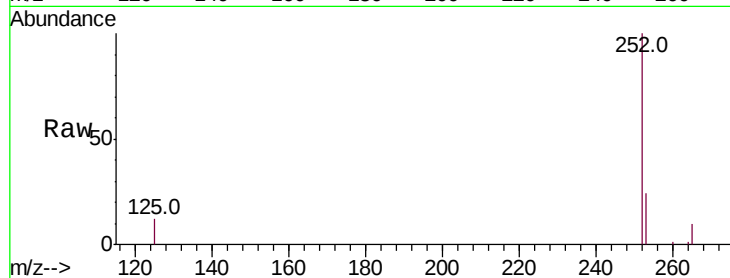
Tot Ion:252 Resp: 53971

Ion Ratio Lower Upper

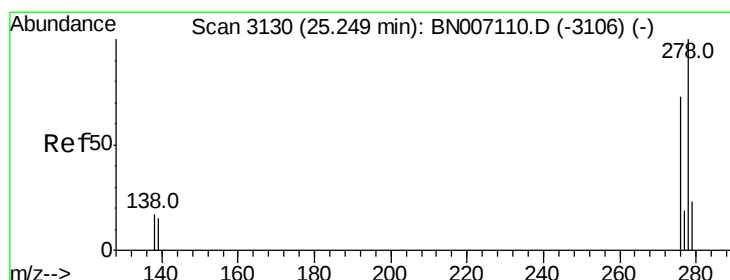
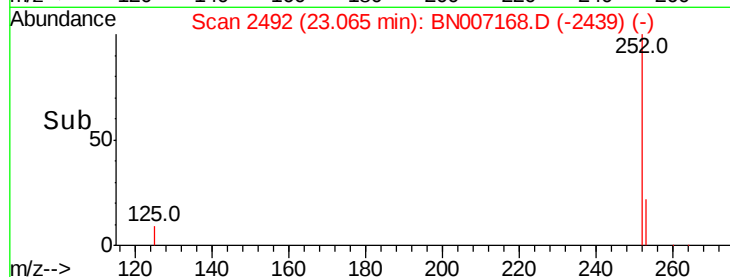
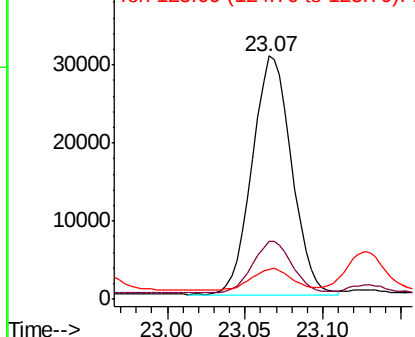
252 100

253 23.9 18.5 27.7

125 12.4 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: 0.449 ng

RT: 25.25 min Scan# 3131

Delta R.T. -0.02 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

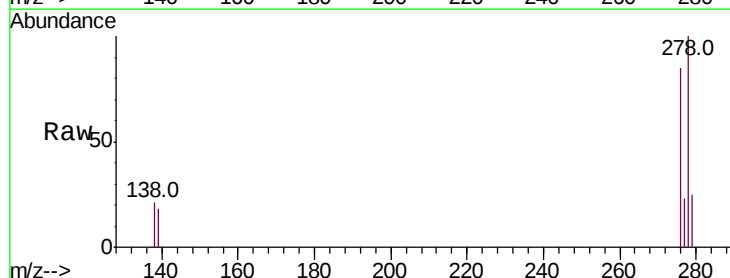
Tgt Ion:278 Resp: 54442

Ion Ratio Lower Upper

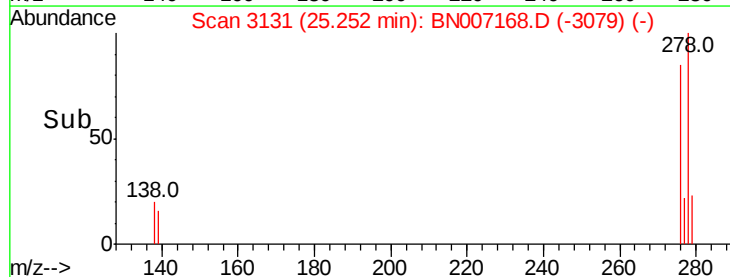
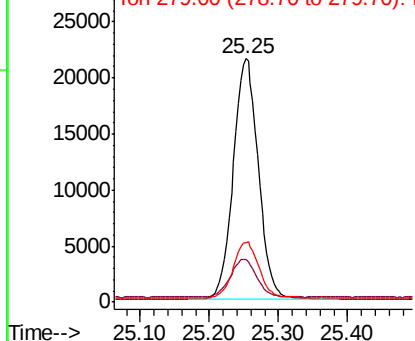
278 100

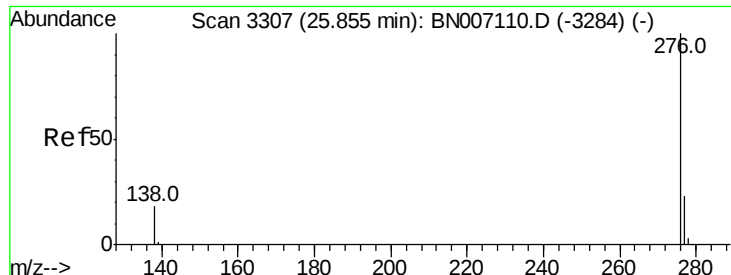
139 17.5 11.3 16.9#

279 24.6 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: 0.436 ng

RT: 25.86 min Scan# 3309

Delta R.T. -0.02 min

Lab File: BN007168.D

Acq: 14 Aug 2019 18:04

Instrument :

BNA_N

ClientSampleId :

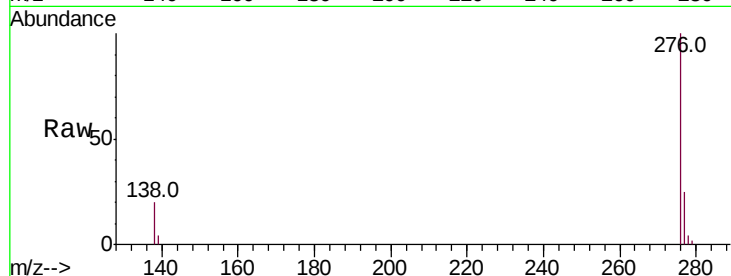
Tot Ion:276 Resp: 54427

Ion Ratio Lower Upper

276 100

277 25.2 19.8 29.8

138 20.2 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

