

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081319\
 Data File : BN007149.D
 Acq On : 14 Aug 2019 02:44
 Operator : HP/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 14 05:00:17 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	8354	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	31528	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	17385	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	40312	0.40	ng	0.00
26) Chrysene-d12	21.03	240	40842	0.40	ng	-0.02
32) Perylene-d12	23.15	264	45484	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	8472	0.42	ng	0.00
4) Phenol-d6	6.61	99	10562	0.42	ng	0.00
7) Nitrobenzene-d5	8.56	82	10153	0.40	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	21673	0.37	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	3026	0.32	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	4956	0.20	ng	0.00
24) Fluoranthene-d10	18.87	212	50549	0.35	ng	0.00
28) Terphenyl-d14	19.49	244	43769	0.39	ng	0.00

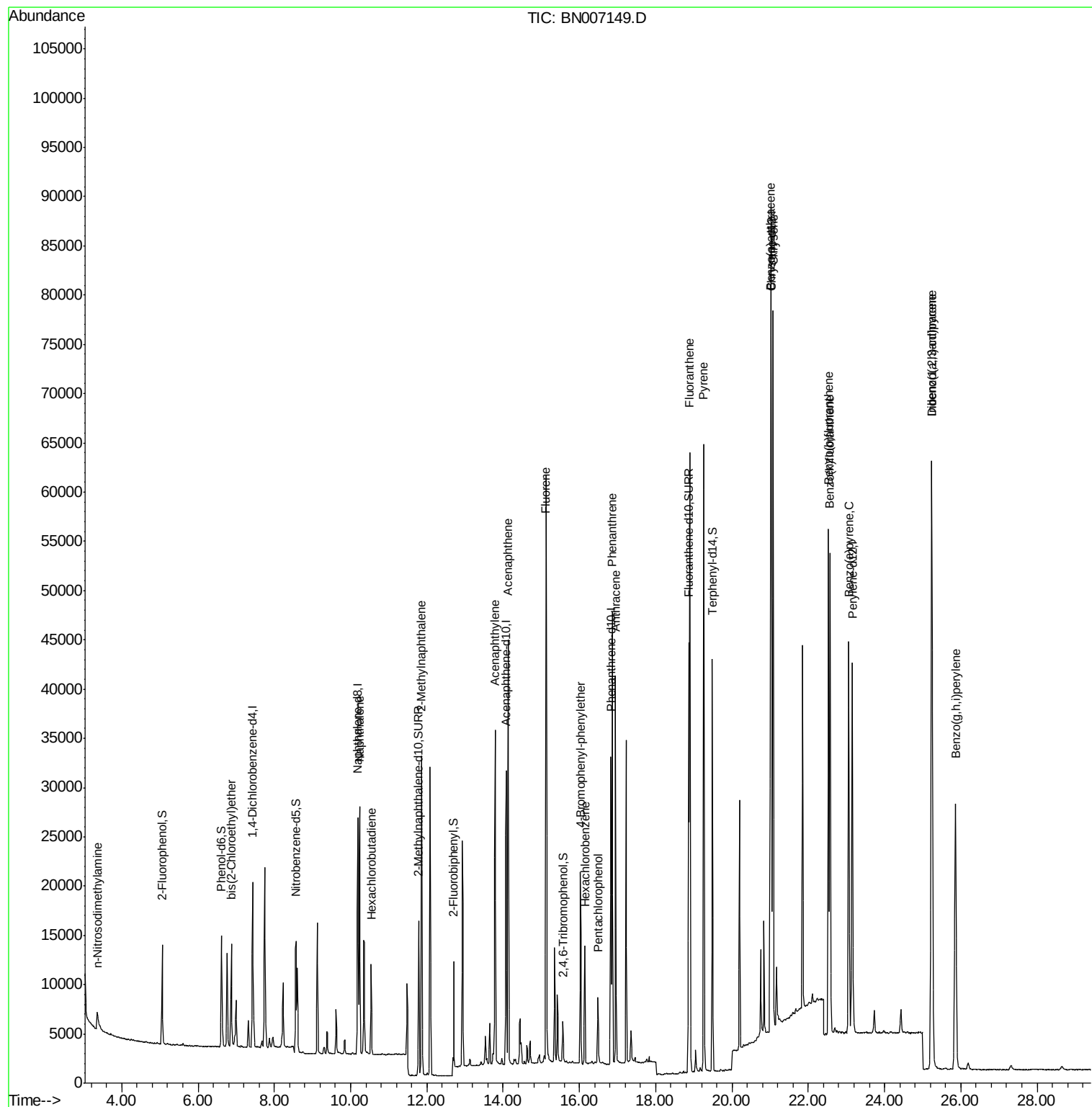
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.35	42	1945	0.354	ng	# 97
5) bis(2-Chloroethyl)ether	6.87	93	8770	0.399	ng	98
8) Naphthalene	10.24	128	33114	0.375	ng	99
9) Hexachlorobutadiene	10.54	225	7163	0.380	ng	# 99
11) 2-Methylnaphthalene	11.86	142	23337	0.373	ng	97
15) Acenaphthylene	13.79	152	39913	0.439	ng	100
16) Acenaphthene	14.13	154	22187	0.381	ng	100
17) Fluorene	15.12	166	29689	0.341	ng	97
19) 4-Bromophenyl-phenylether	16.03	248	9914	0.398	ng	# 87
20) Hexachlorobenzene	16.14	284	9747	0.406	ng	99
21) Pentachlorophenol	16.48	266	3232	0.362	ng	98
22) Phenanthrene	16.87	178	46983	0.389	ng	100
23) Anthracene	16.95	178	43126	0.391	ng	100
25) Fluoranthene	18.90	202	56430	0.365	ng	100
27) Pyrene	19.26	202	58144	0.406	ng	99
29) Benzo(a)anthracene	21.02	228	58147	0.389	ng	98
30) Chrysene	21.08	228	58041	0.400	ng	100
31) Indeno(1,2,3-cd)pyrene	25.23	276	68685	0.429	ng	98
33) Benzo(b)fluoranthene	22.53	252	58767	0.377	ng	99
34) Benzo(k)fluoranthene	22.57	252	58236	0.378	ng	99
35) Benzo(a)pyrene	23.06	252	54941	0.389	ng	99
36) Dibenzo(a,h)anthracene	25.25	278	55559	0.394	ng	# 97
37) Benzo(g,h,i)perylene	25.86	276	55601	0.383	ng	99

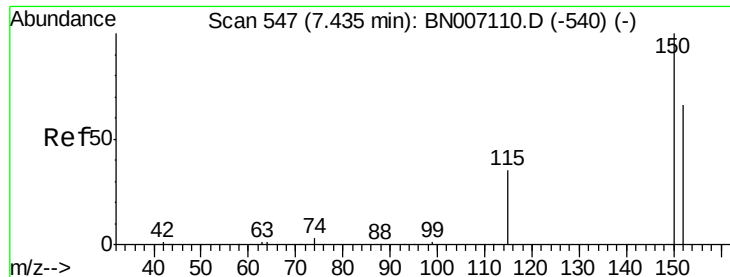
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081319\
Data File : BN007149.D
Acq On : 14 Aug 2019 02:44
Operator : HP/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :

Quant Time: Aug 14 05:00:17 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



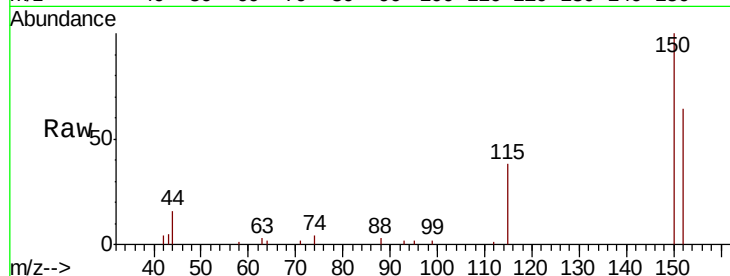


#1

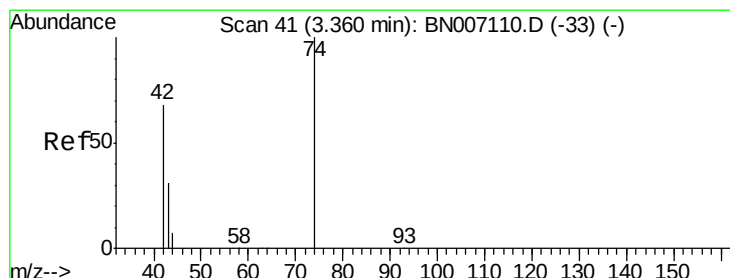
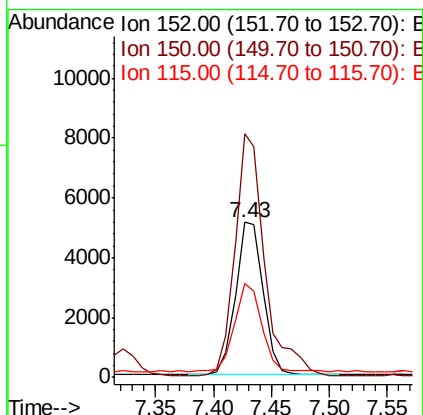
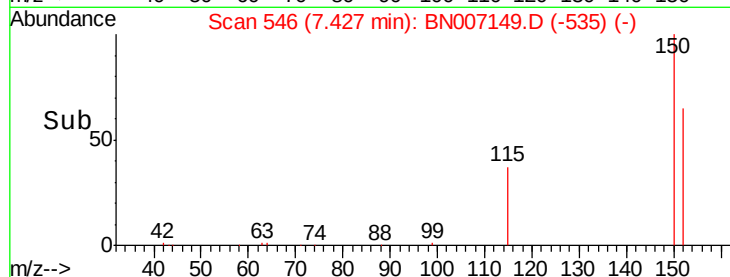
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007149.D
Acq: 14 Aug 2019 02:44

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 8354
Ion Ratio Lower Upper
152 100
150 157.2 121.7 182.5
115 60.4 46.2 69.4



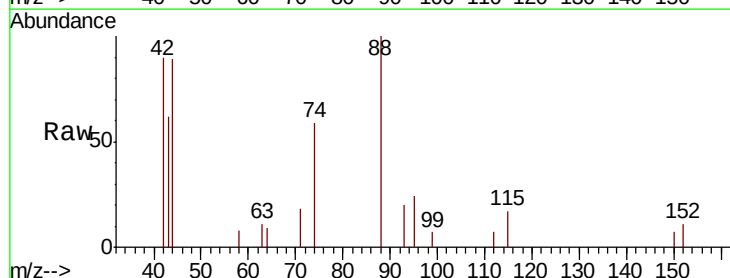
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



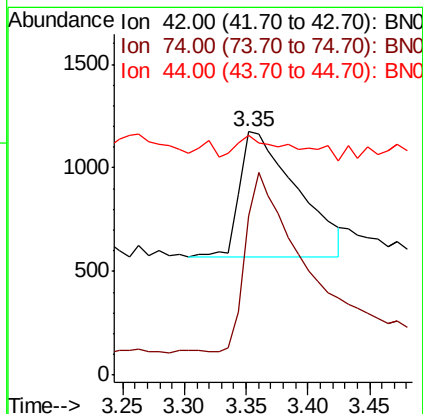
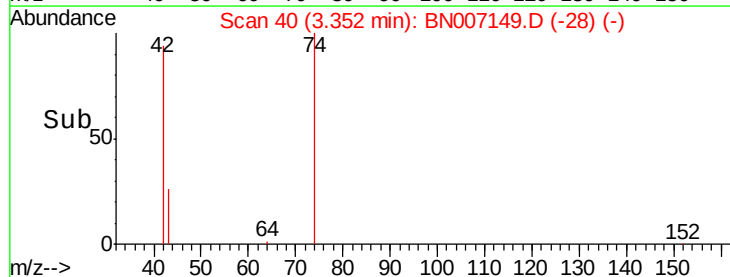
#2

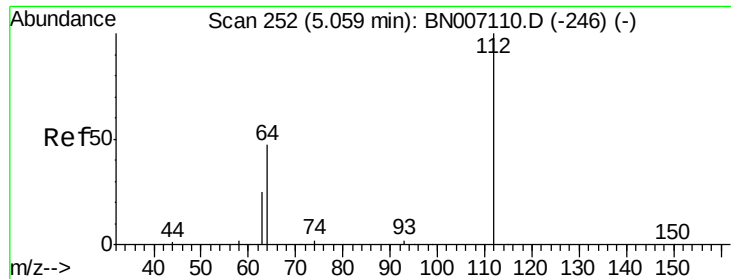
n-Nitrosodimethylamine
Concen: 0.354 ng
RT: 3.35 min Scan# 40
Delta R.T. -0.01 min
Lab File: BN007149.D
Acq: 14 Aug 2019 02:44

Tgt Ion: 42 Resp: 1945
Ion Ratio Lower Upper
42 100
74 134.7 110.6 166.0
44 19.6 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: 0.422 ng

RT: 5.06 min Scan# 252

Delta R.T. -0.00 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

Instrument :

BNA_N

ClientSampleId :

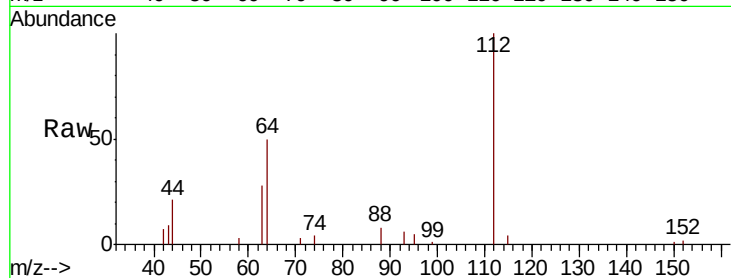
Tot Ion:112 Resp: 8472

Ion Ratio Lower Upper

112 100

64 52.3 42.6 63.8

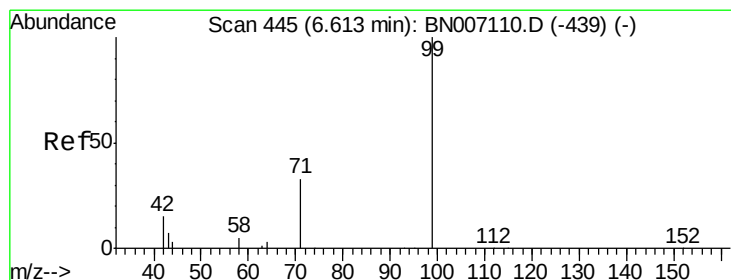
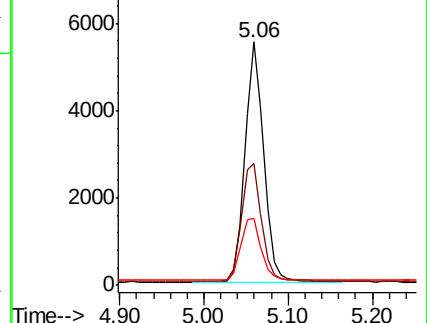
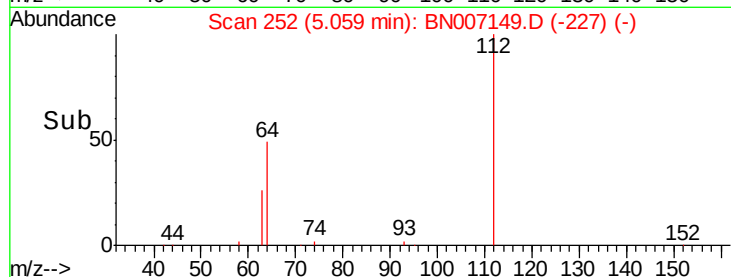
63 27.9 22.2 33.2



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: 0.425 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

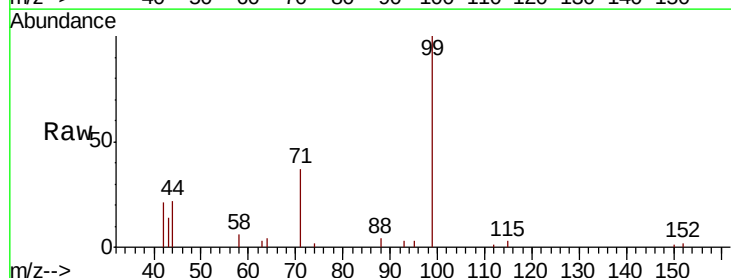
Tgt Ion: 99 Resp: 10562

Ion Ratio Lower Upper

99 100

42 18.0 15.8 23.6

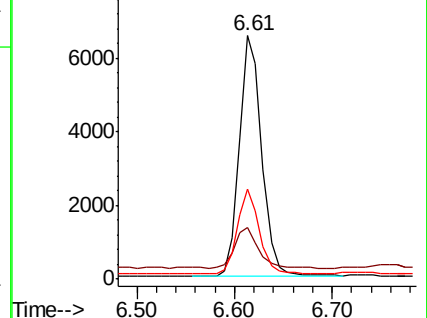
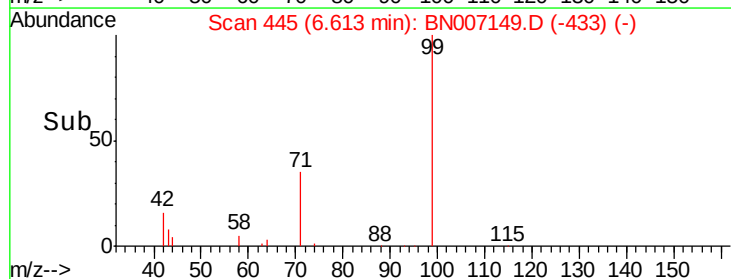
71 33.8 27.0 40.4

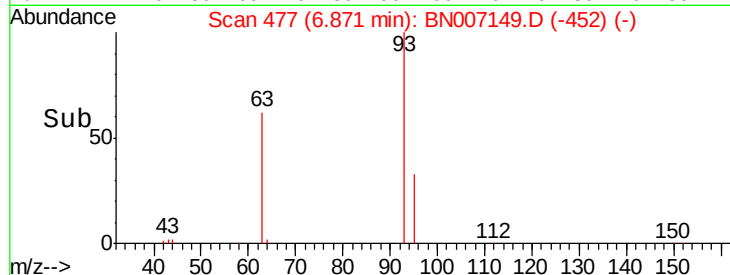
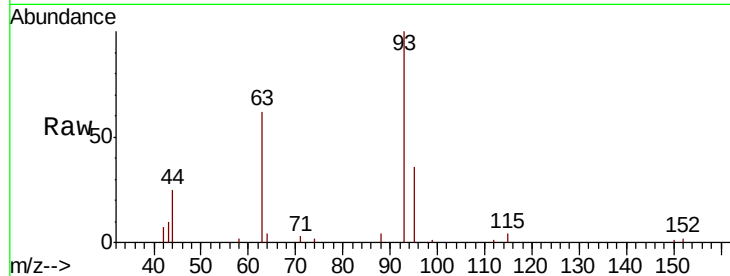
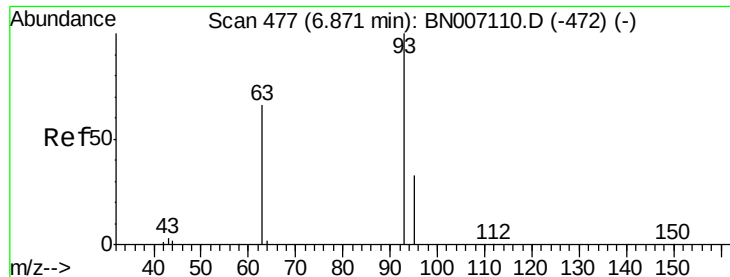


Abundance Ion 99.00 (98.70 to 99.70): BNO

Ion 42.00 (41.70 to 42.70): BNO

Ion 71.00 (70.70 to 71.70): BNO





#5

bis(2-Chloroethyl)ether

Concen: 0.399 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.00 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

Instrument :

BNA_N

ClientSampleId :

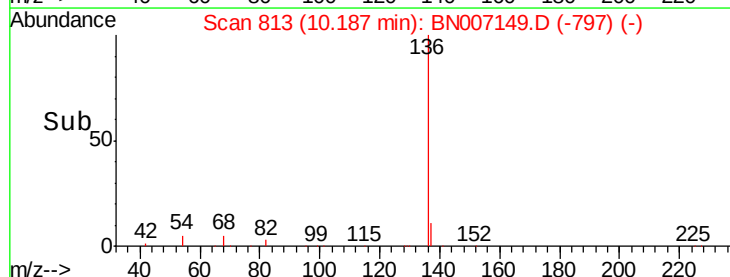
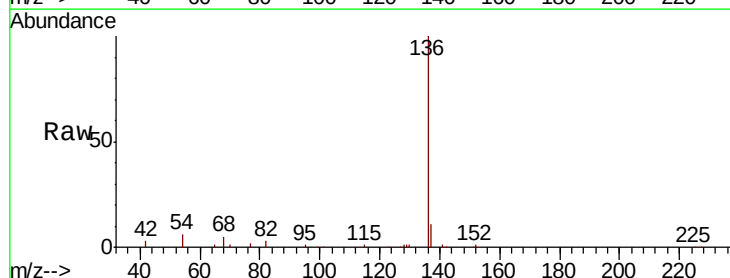
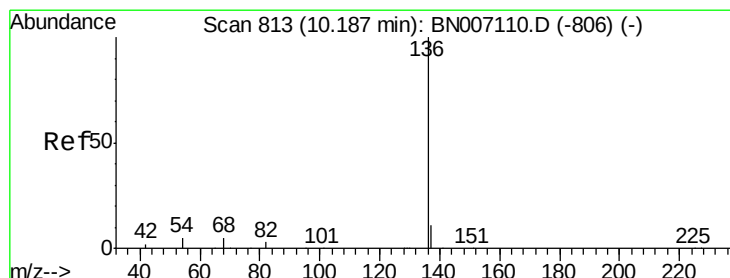
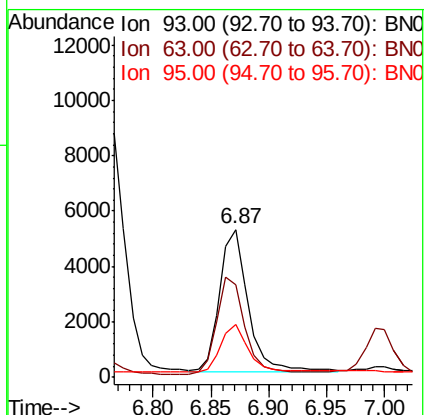
Tot Ion: 93 Resp: 8770

Ion Ratio Lower Upper

93 100

63 68.3 55.6 83.4

95 31.8 26.7 40.1



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

Tgt Ion: 136 Resp: 31528

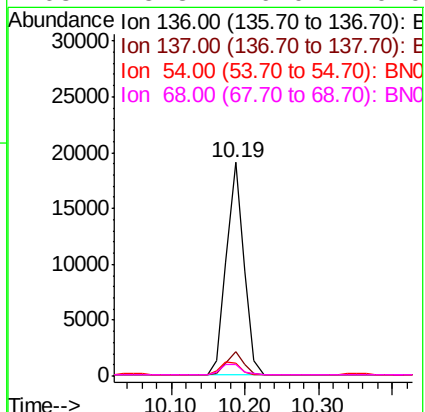
Ion Ratio Lower Upper

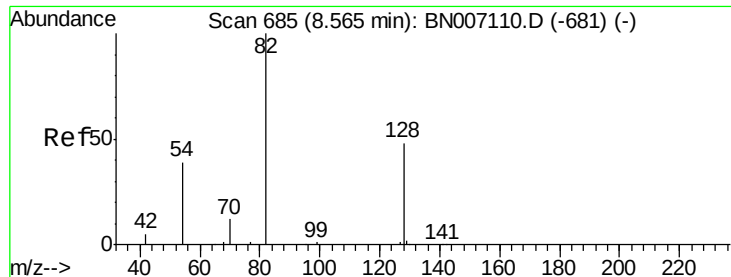
136 100

137 11.3 9.4 14.0

54 5.7 6.6 9.8#

68 5.3 6.0 9.0#





#7

Nitrobenzene-d5

Concen: 0.399 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

Instrument :

BNA_N

ClientSampleId :

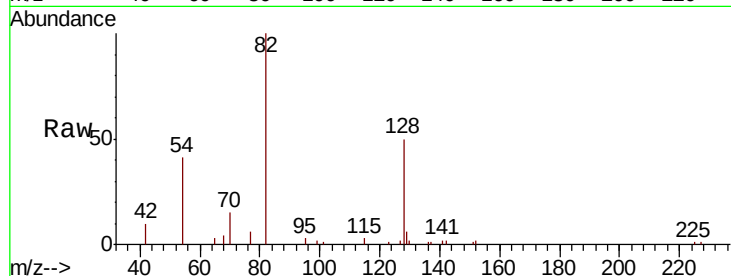
Tot Ion: 82 Resp: 10153

Ion Ratio Lower Upper

82 100

128 49.6 34.6 51.8

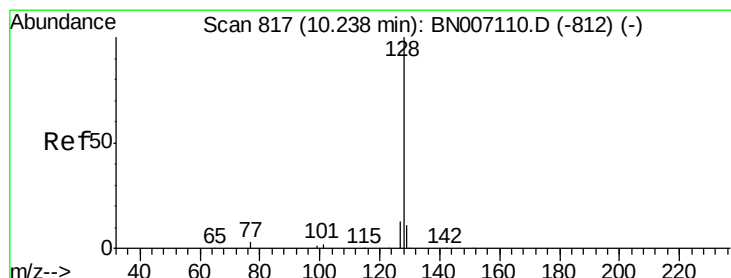
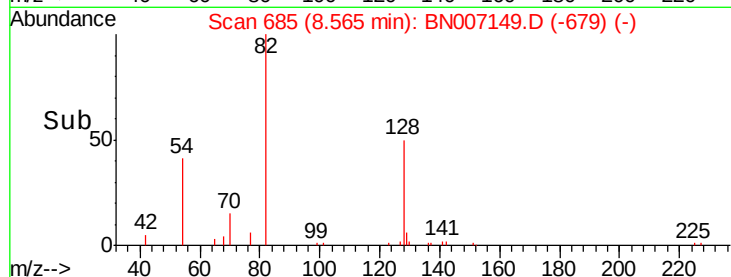
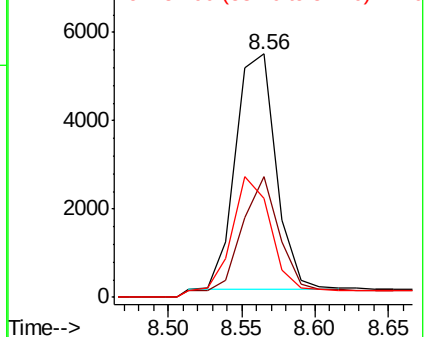
54 40.9 36.2 54.4



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: 0.375 ng

RT: 10.24 min Scan# 817

Delta R.T. -0.00 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

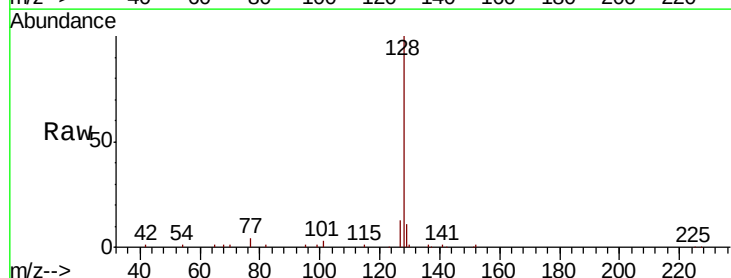
Tgt Ion: 128 Resp: 33114

Ion Ratio Lower Upper

128 100

129 11.5 9.4 14.2

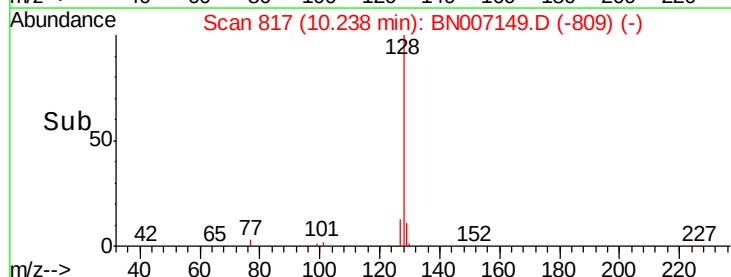
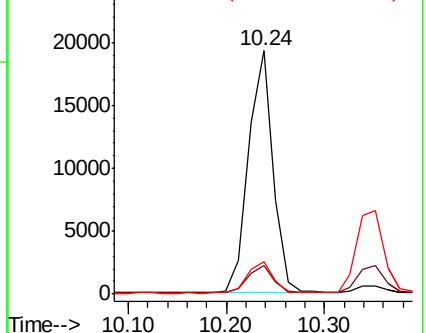
127 13.2 11.0 16.6

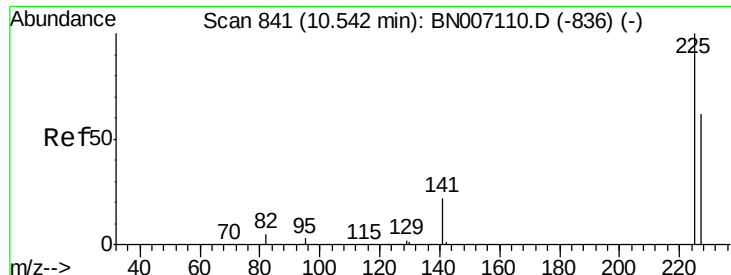


Abundance Ion 128.00 (127.70 to 128.70): BN007110.D (-812) (-)

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: 0.380 ng

RT: 10.54 min Scan# 841

Delta R.T. -0.01 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

Instrument :

BNA_N

ClientSampleId :

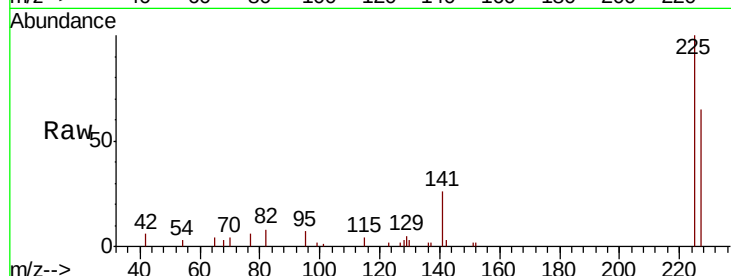
Tot Ion:225 Resp: 7163

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

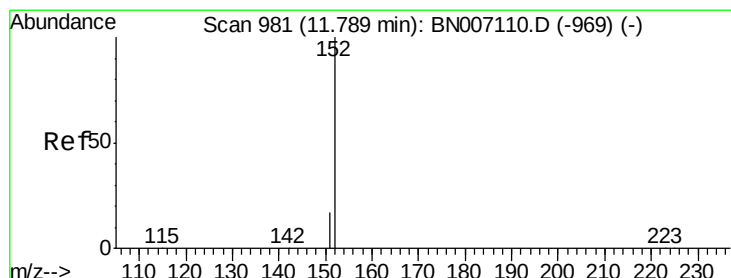
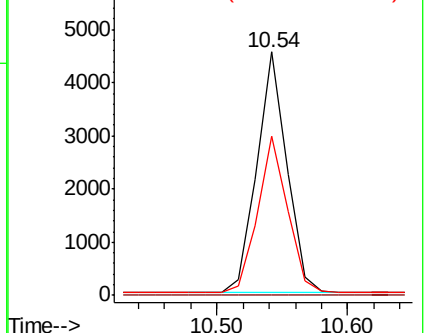
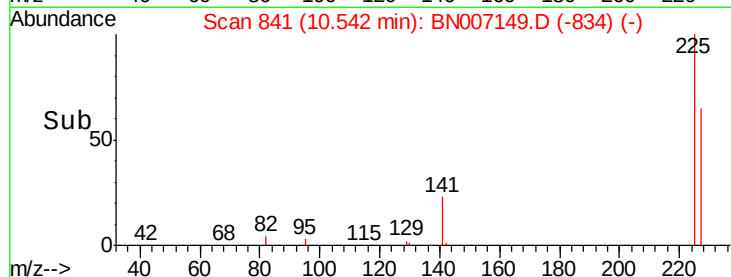
227 64.5 51.1 76.7



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: 0.369 ng

RT: 11.79 min Scan# 981

Delta R.T. -0.00 min

Lab File: BN007149.D

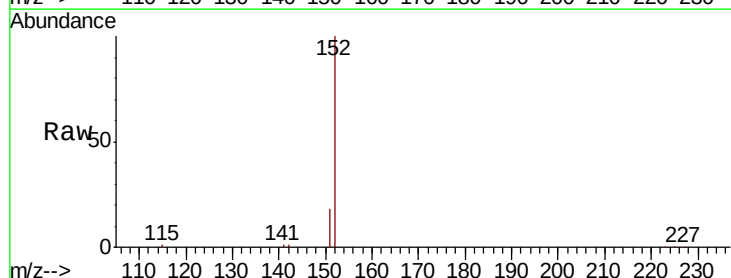
Acq: 14 Aug 2019 02:44

Tgt Ion:152 Resp: 21673

Ion Ratio Lower Upper

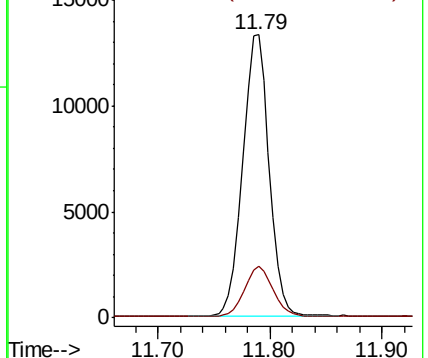
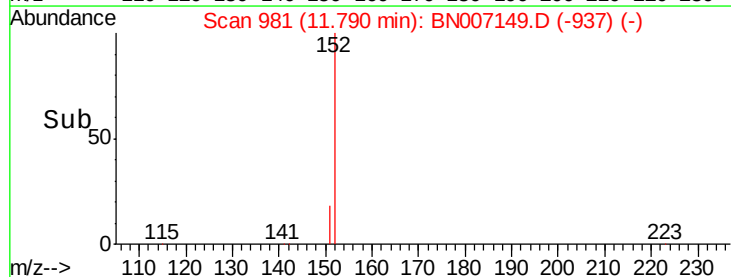
152 100

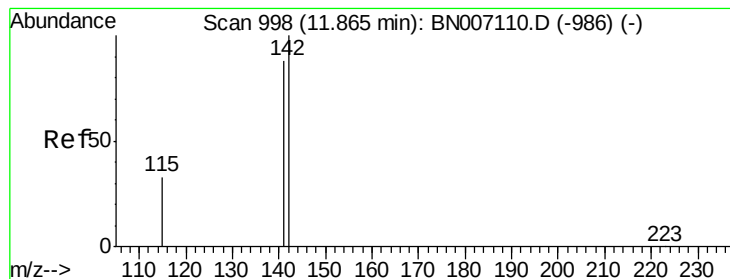
151 19.1 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#11

2-Methylnaphthalene

Concen: 0.373 ng

RT: 11.86 min Scan# 997

Delta R.T. -0.01 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

Instrument :

BNA_N

ClientSampleId :

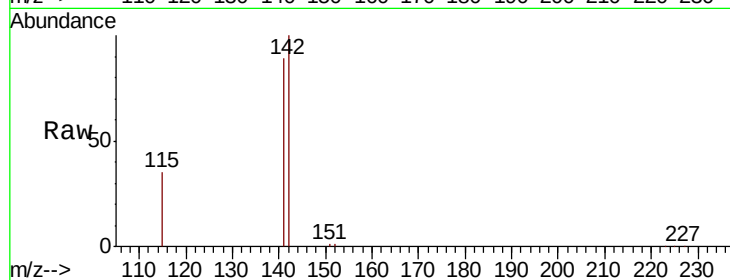
Tot Ion:142 Resp: 23337

Ion Ratio Lower Upper

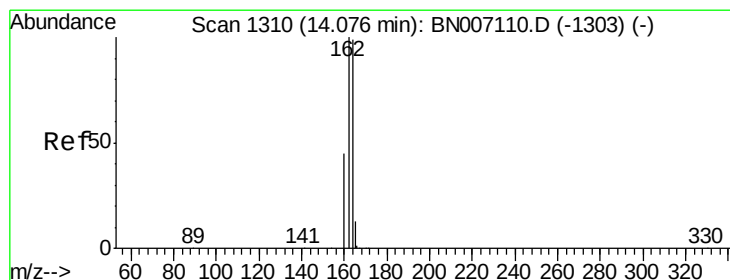
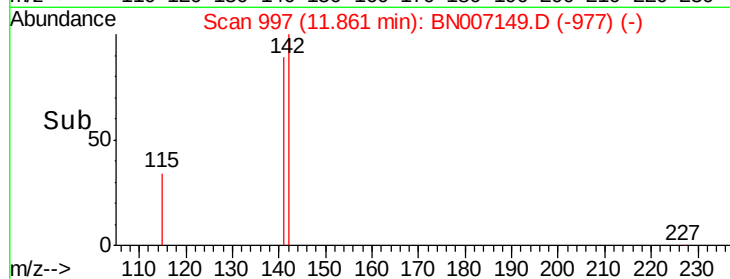
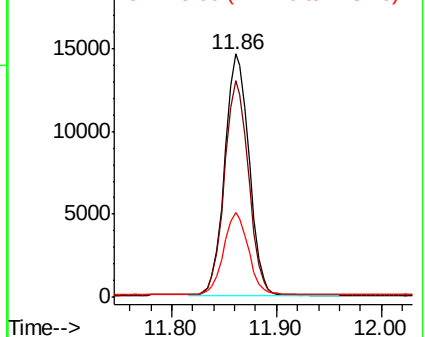
142 100

141 89.1 69.0 103.6

115 35.0 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: BN007149.D

Acq: 14 Aug 2019 02:44

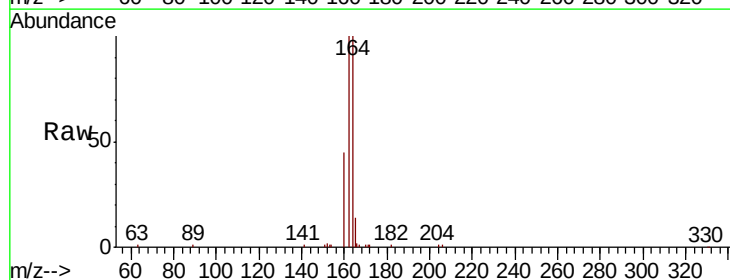
Tgt Ion:164 Resp: 17385

Ion Ratio Lower Upper

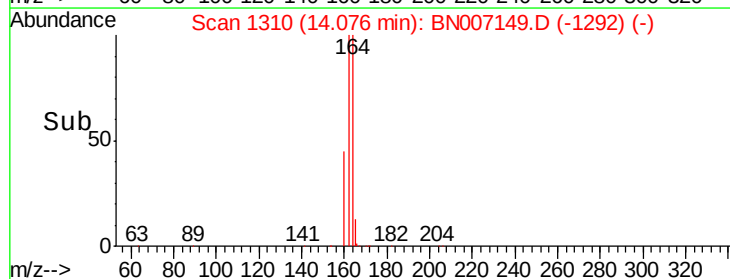
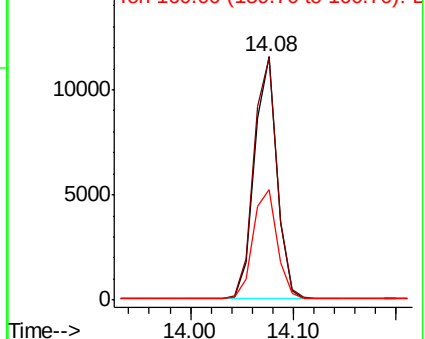
164 100

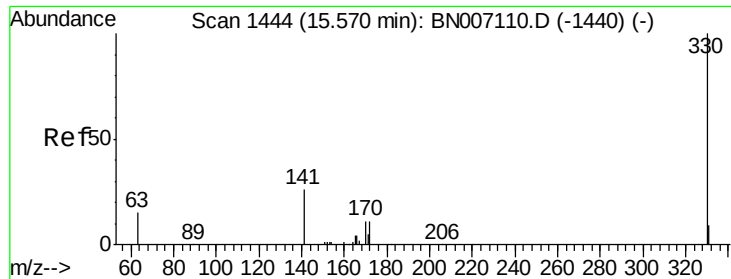
162 99.8 82.2 123.4

160 45.1 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

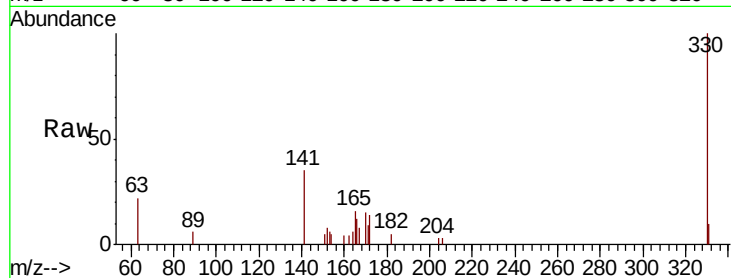




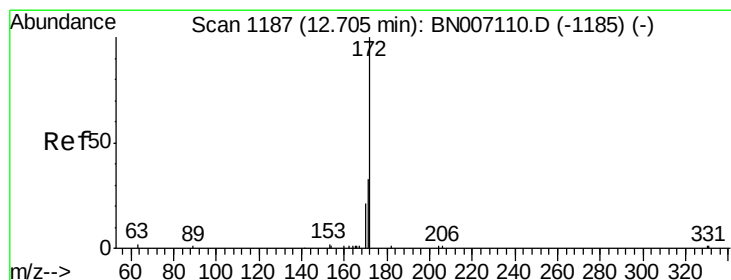
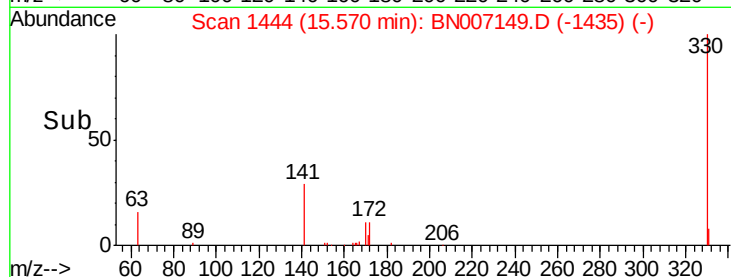
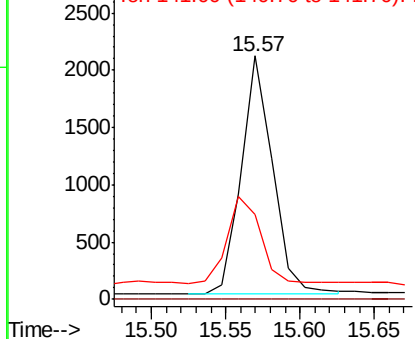
#13
 2,4,6-Tribromophenol
 Concen: 0.323 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007149.D
 Acq: 14 Aug 2019 02:44

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:330 Resp: 3026
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 38.6 33.6 50.4

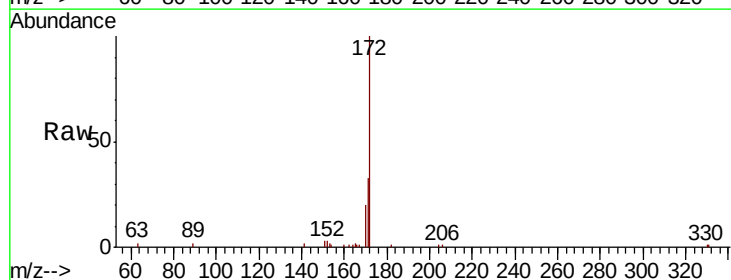


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

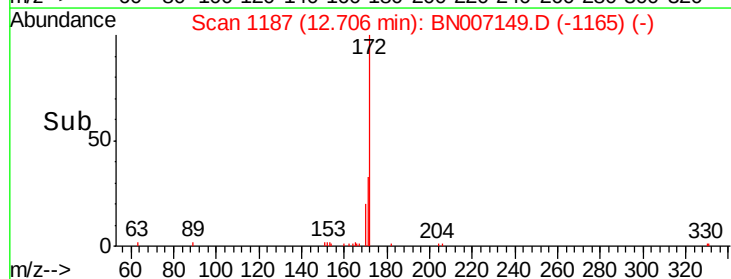
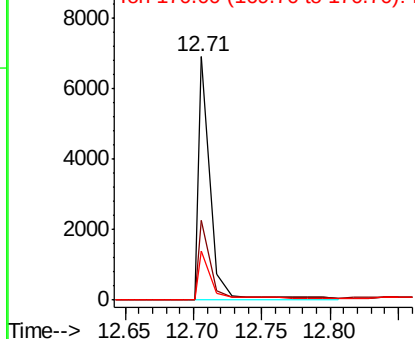


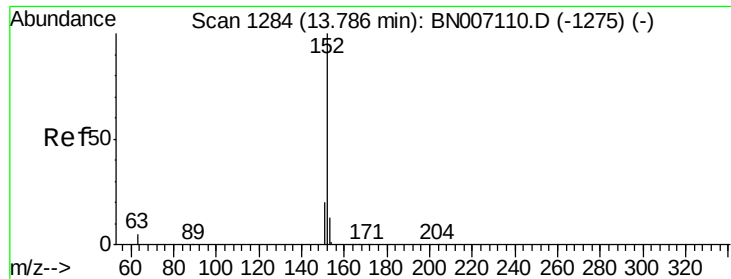
#14
 2-Fluorobiphenyl
 Concen: 0.196 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007149.D
 Acq: 14 Aug 2019 02:44

Tgt Ion:172 Resp: 4956
 Ion Ratio Lower Upper
 172 100
 171 33.0 26.3 39.5
 170 20.3 17.0 25.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#15

Acenaphthylene

Concen: 0.439 ng

RT: 13.79 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

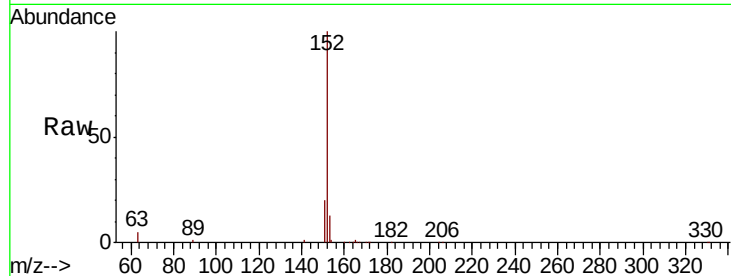
Instrument :

BNA_N

ClientSampleId :

Tot Ion:152 Resp: 39913

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.1	10.4	15.6

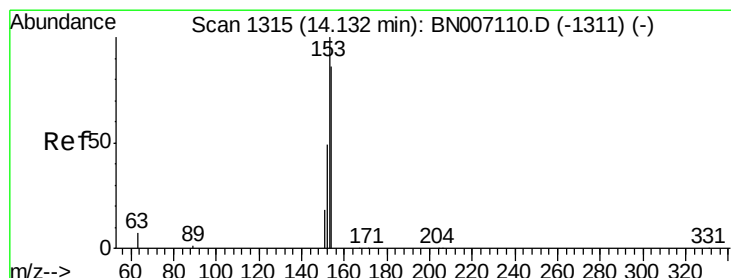
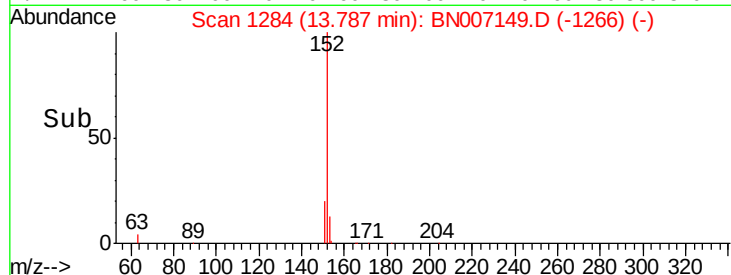
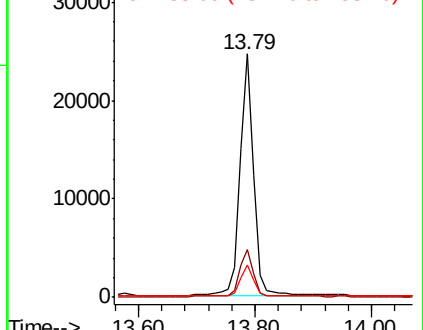


Abundance

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: 0.381 ng

RT: 14.13 min Scan# 1315

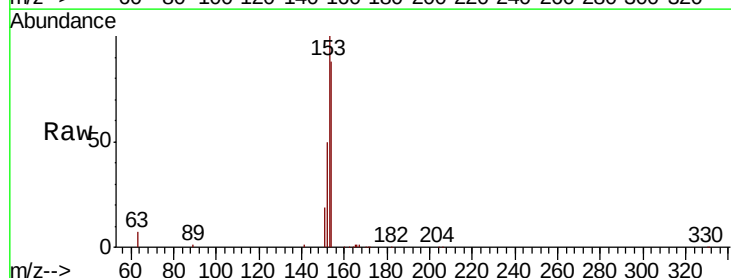
Delta R.T. -0.01 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

Tgt Ion:154 Resp: 22187

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.5	134.3
152	55.2	44.8	67.2

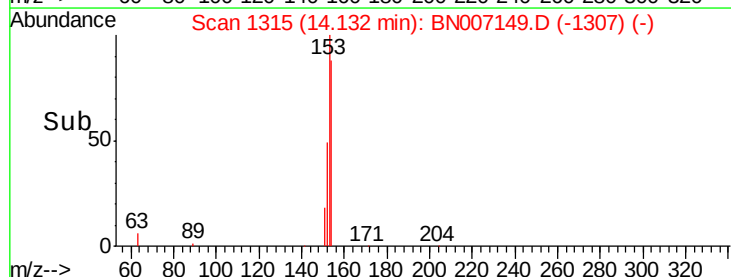
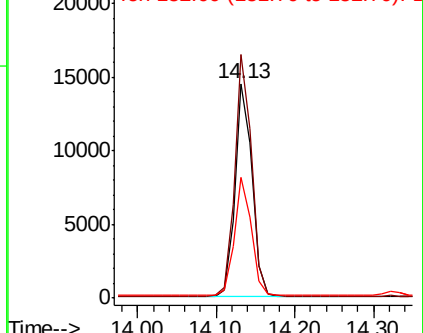


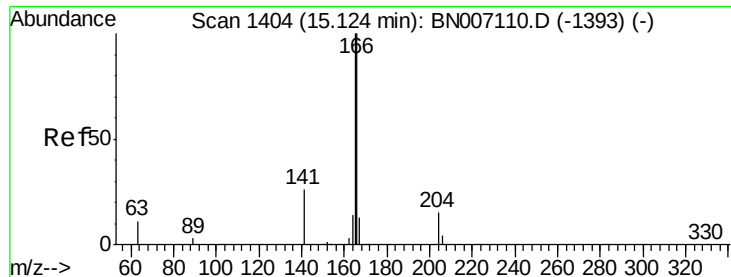
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

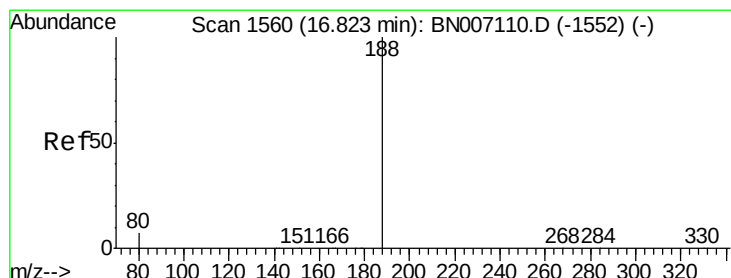
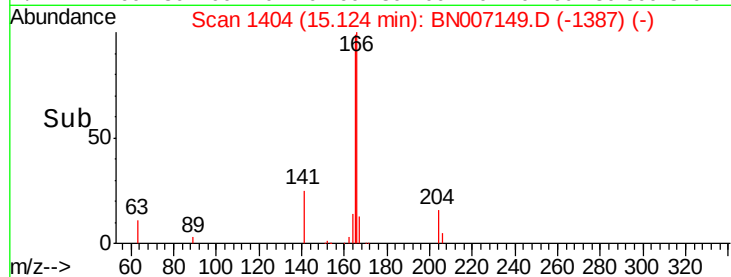
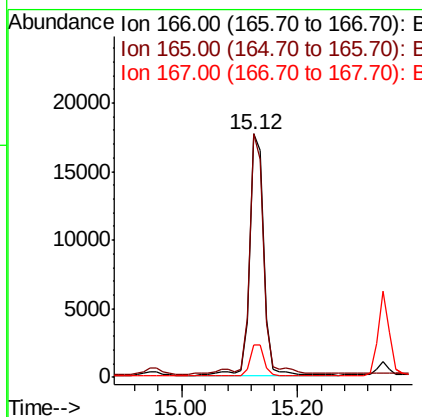
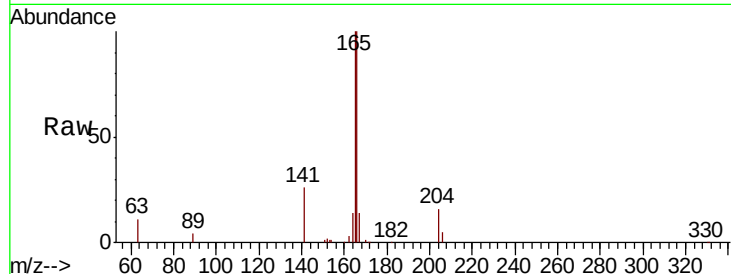




#17
 Fluorene
 Concen: 0.341 ng
 RT: 15.12 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BN007149.D
 Acq: 14 Aug 2019 02:44

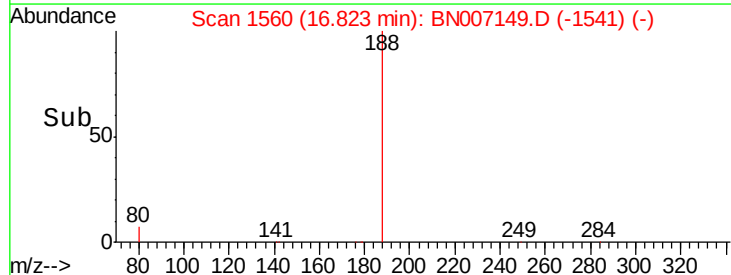
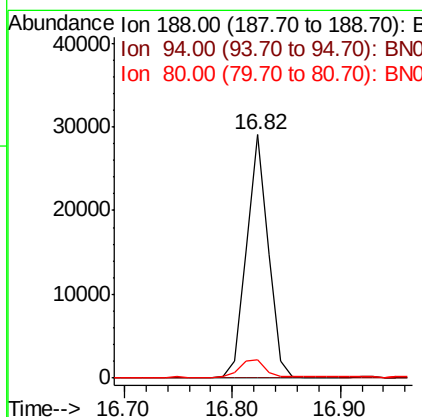
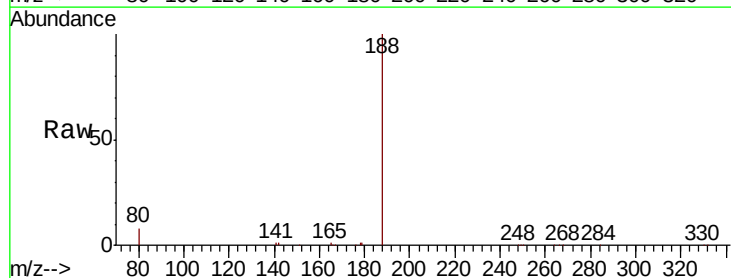
Instrument :
 BNA_N
 ClientSampleId :

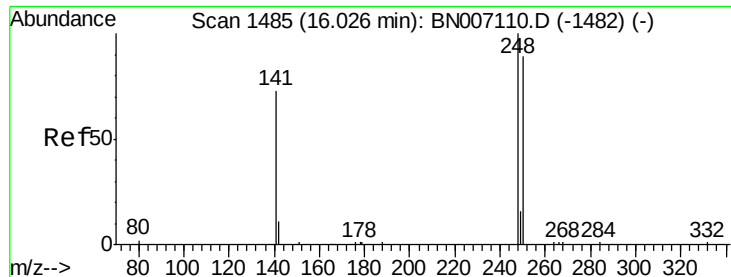
Tot Ion:166 Resp: 29689
 Ion Ratio Lower Upper
 166 100
 165 100.6 77.9 116.9
 167 13.3 10.9 16.3



#18
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BN007149.D
 Acq: 14 Aug 2019 02:44

Tgt Ion:188 Resp: 40312
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 7.6 7.8 11.6#





#19

4-Bromophenyl-phenylether

Concen: 0.398 ng

RT: 16.03 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

Instrument :

BNA_N

ClientSampleId :

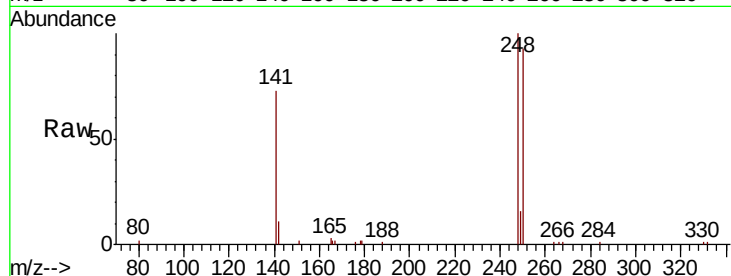
Tot Ion:248 Resp: 9914

Ion Ratio Lower Upper

248 100

250 93.4 78.9 118.3

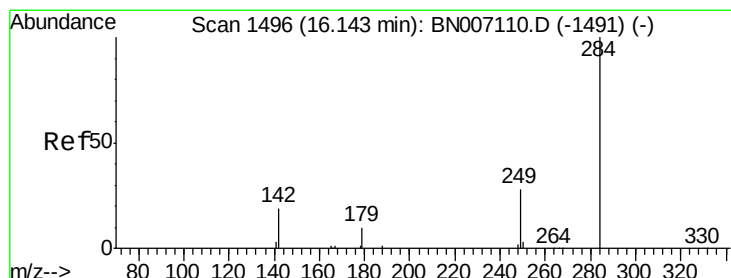
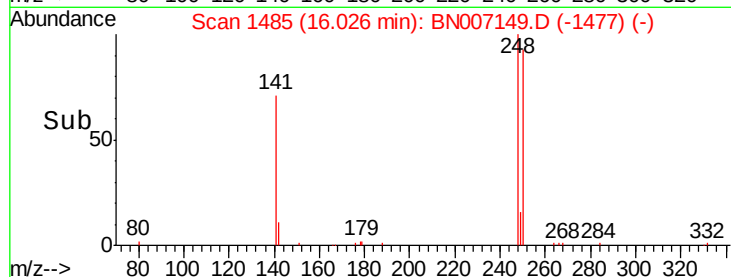
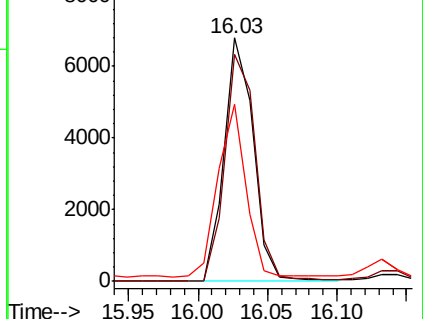
141 72.9 43.3 64.9#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#20

Hexachlorobenzene

Concen: 0.406 ng

RT: 16.14 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

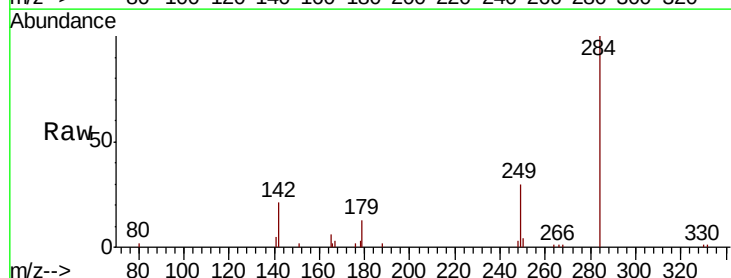
Tgt Ion:284 Resp: 9747

Ion Ratio Lower Upper

284 100

142 37.5 30.5 45.7

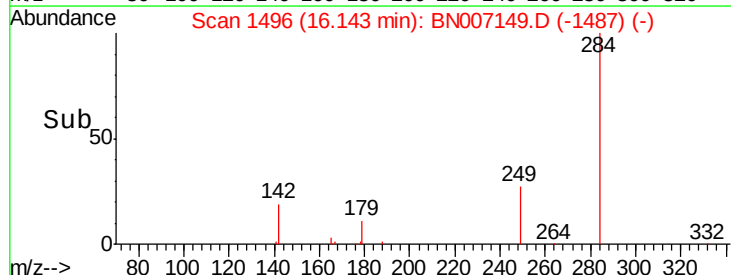
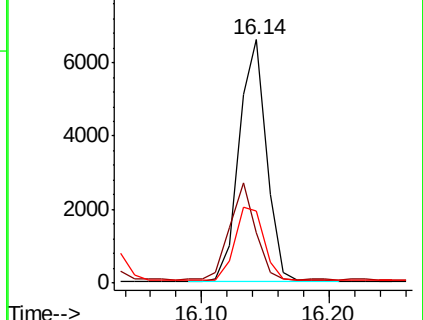
249 33.1 26.7 40.1

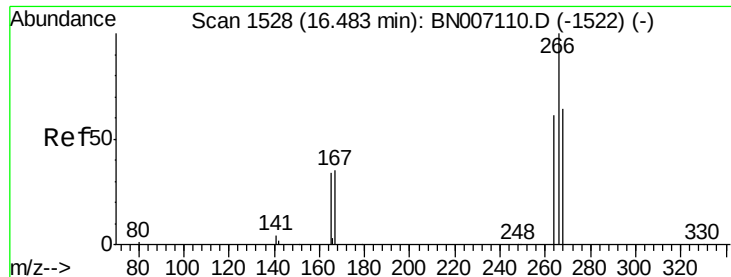


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

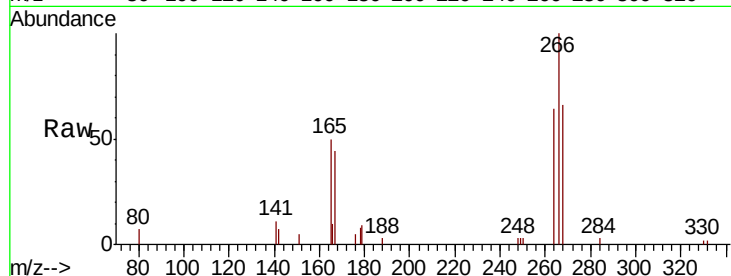




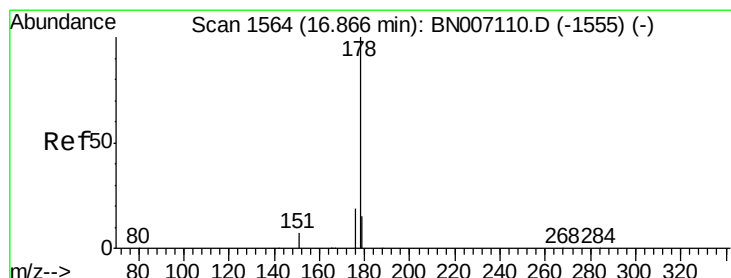
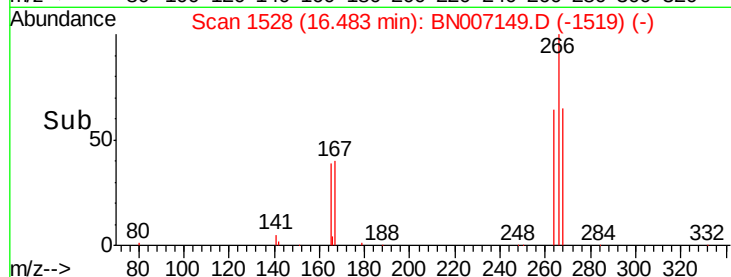
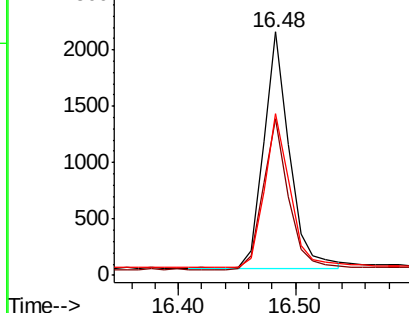
#21
 Pentachlorophenol
 Concen: 0.362 ng
 RT: 16.48 min Scan# 1528
 Delta R.T. -0.00 min
 Lab File: BN007149.D
 Acq: 14 Aug 2019 02:44

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:266 Resp: 3232
 Ion Ratio Lower Upper
 266 100
 264 64.3 52.3 78.5
 268 66.4 51.5 77.3

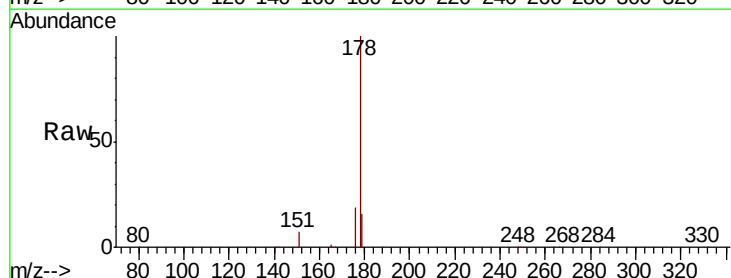


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

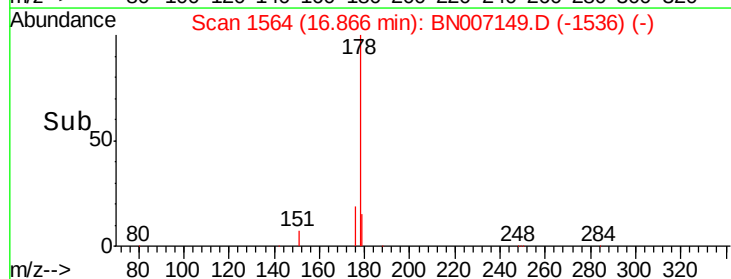
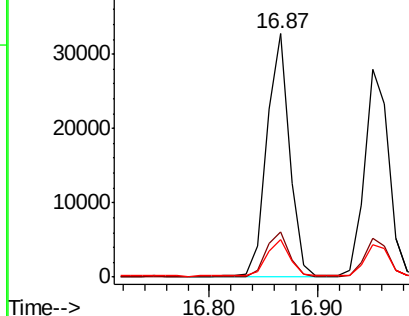


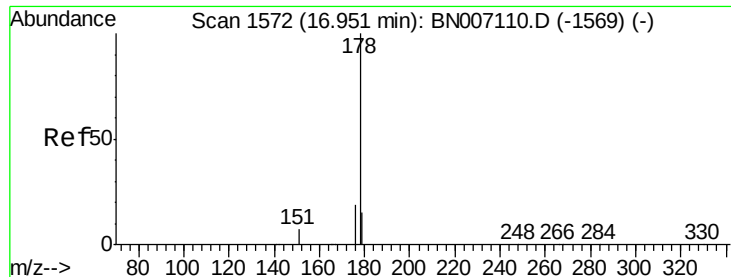
#22
 Phenanthrene
 Concen: 0.389 ng
 RT: 16.87 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BN007149.D
 Acq: 14 Aug 2019 02:44

Tgt Ion:178 Resp: 46983
 Ion Ratio Lower Upper
 178 100
 176 18.7 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: 0.391 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

Instrument :

BNA_N

ClientSampleId :

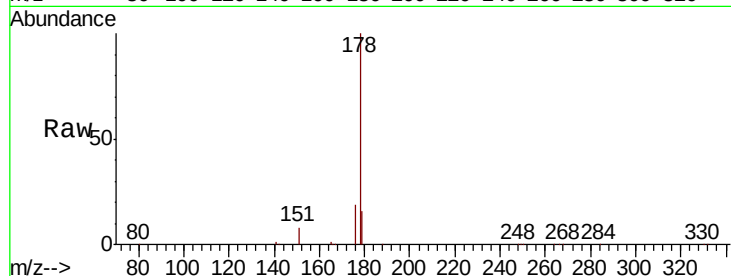
Tot Ion:178 Resp: 43126

Ion Ratio Lower Upper

178 100

176 18.2 14.6 21.8

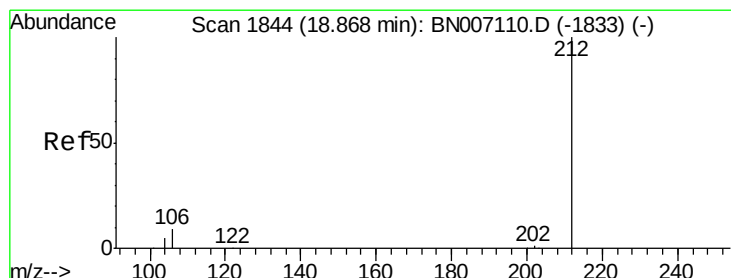
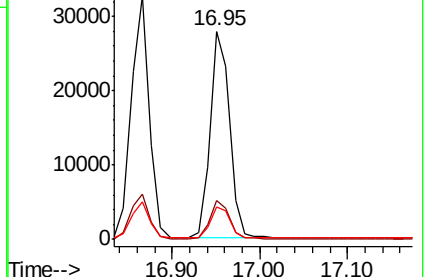
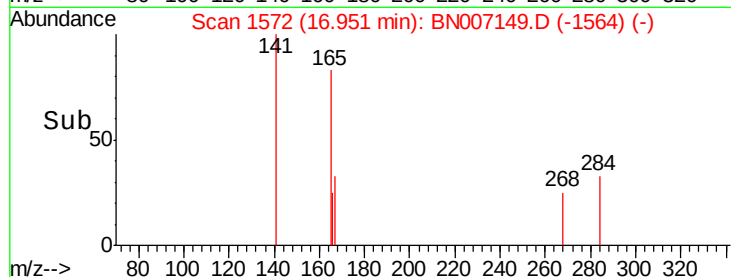
179 15.2 12.5 18.7



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: 0.354 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

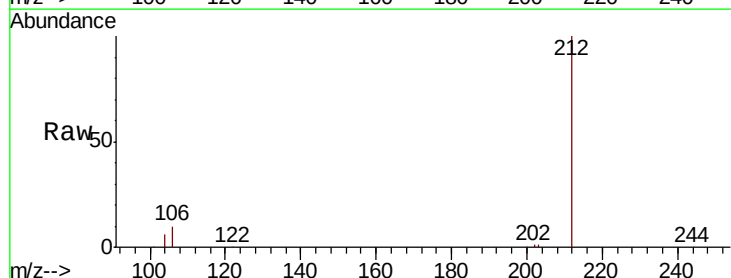
Tgt Ion:212 Resp: 50549

Ion Ratio Lower Upper

212 100

106 10.4 8.2 12.2

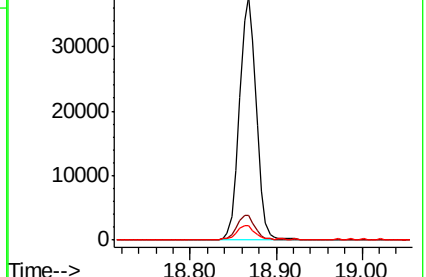
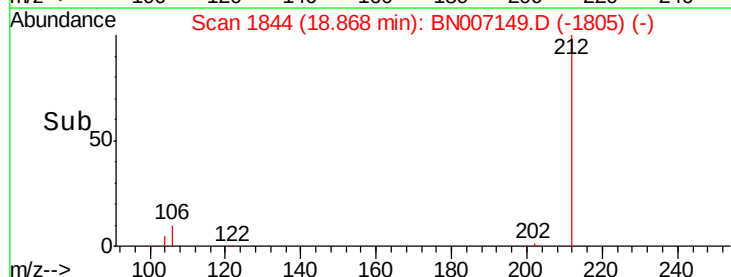
104 5.8 4.5 6.7

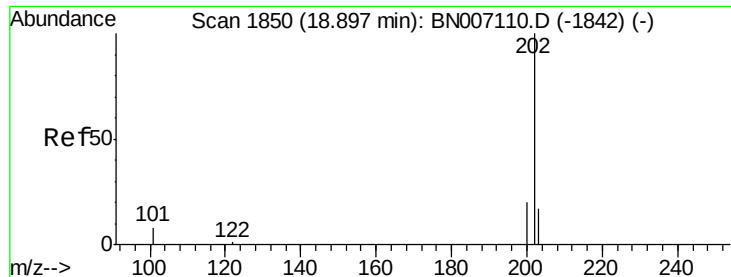


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#25

Fluoranthene

Concen: 0.365 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

Instrument :

BNA_N

ClientSampleId :

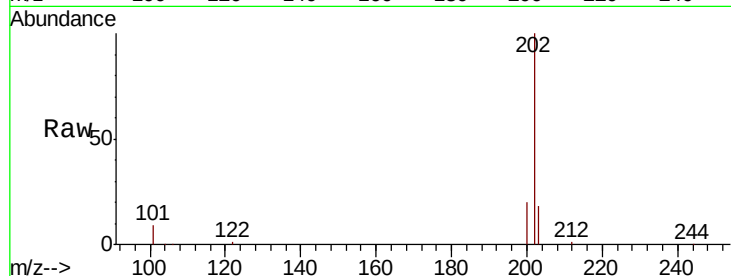
Tot Ion:202 Resp: 56430

Ion Ratio Lower Upper

202 100

101 8.9 7.0 10.4

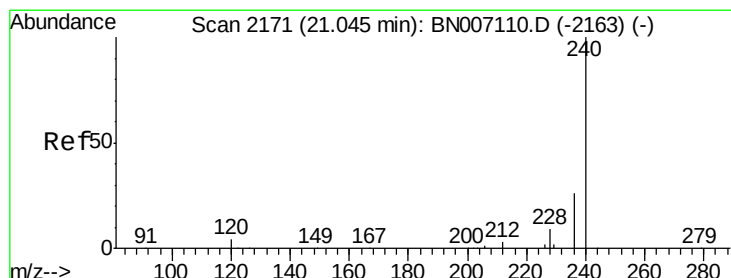
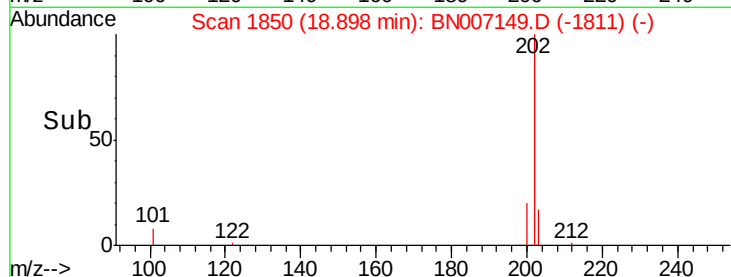
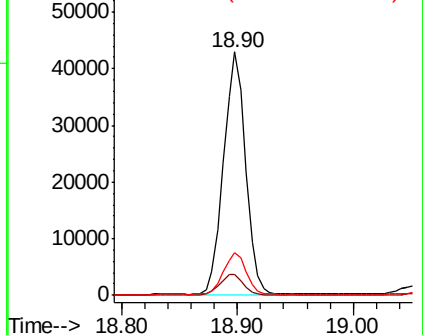
203 17.4 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.03 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

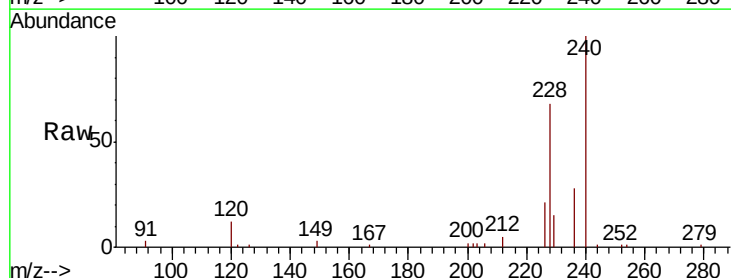
Tgt Ion:240 Resp: 40842

Ion Ratio Lower Upper

240 100

120 12.0 4.0 6.0#

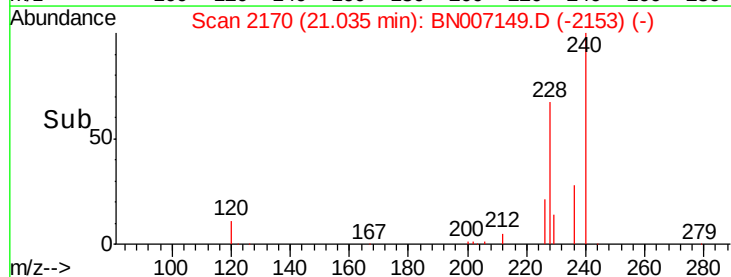
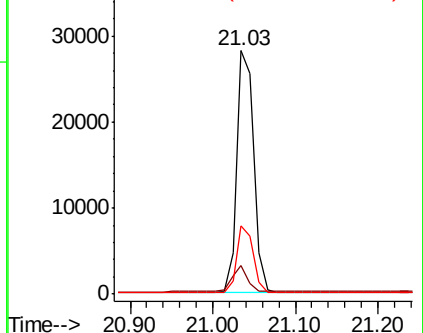
236 27.9 21.3 31.9

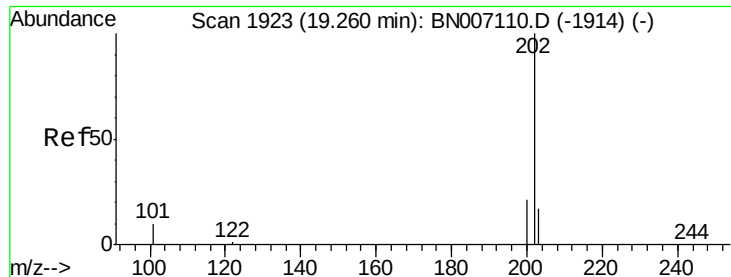


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Pvrene

Concen: 0.406 ng

RT: 19.26 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

Instrument :

BNA_N

ClientSampled :

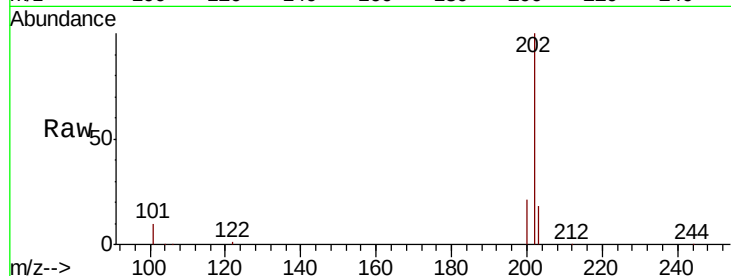
Tot Ion:202 Resp: 58144

Ion Ratio Lower Upper

202 100

200 20.7 16.6 24.8

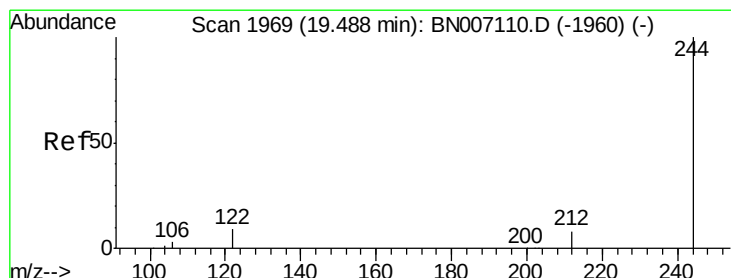
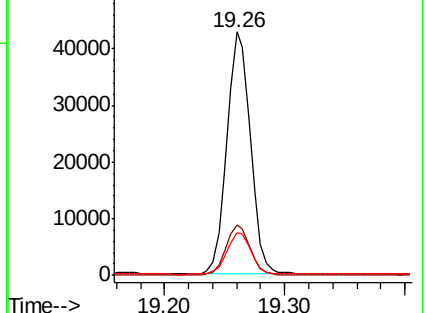
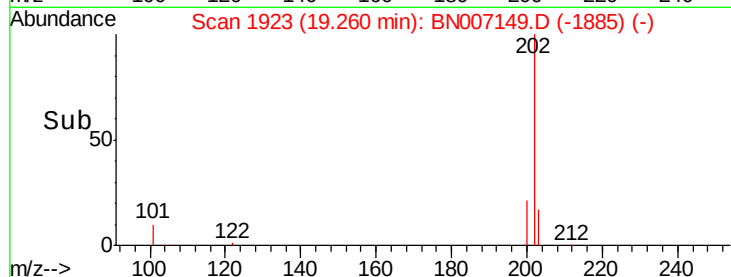
203 18.0 14.0 21.0



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: 0.393 ng

RT: 19.49 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

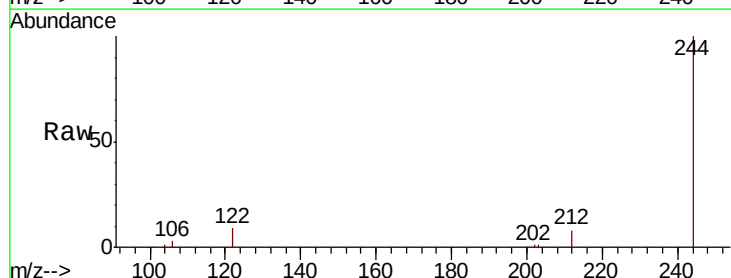
Tgt Ion:244 Resp: 43769

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

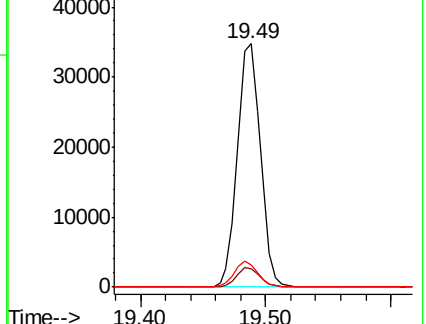
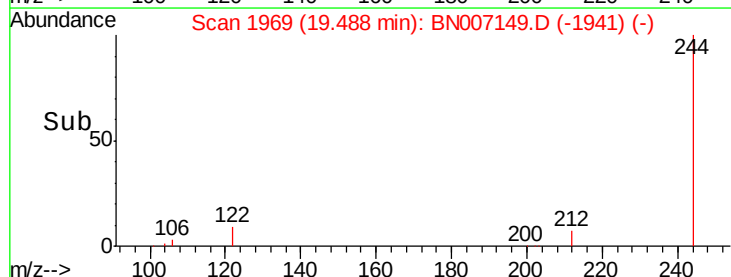
122 9.1 7.4 11.2

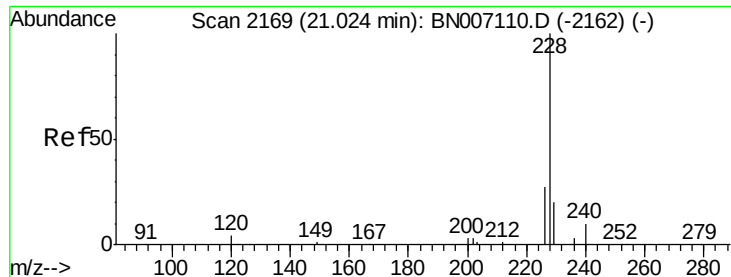


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Benzo(a)anthracene

Concen: 0.389 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

Instrument :

BNA_N

ClientSampleId :

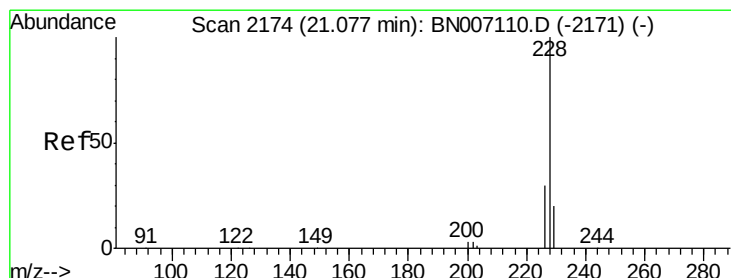
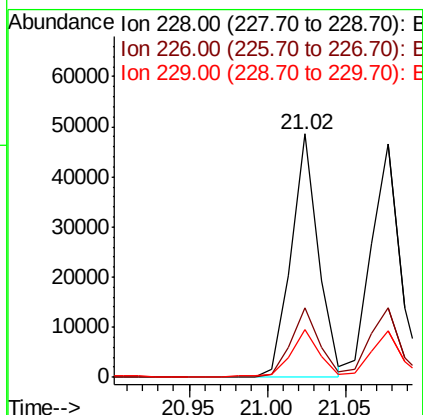
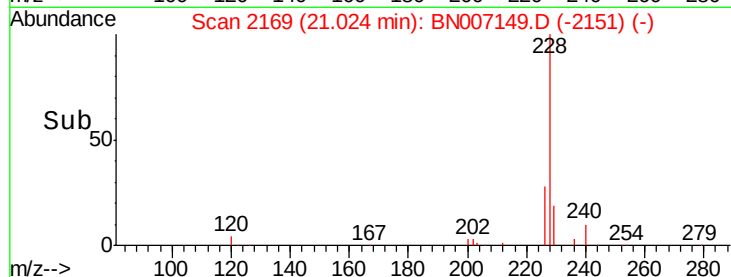
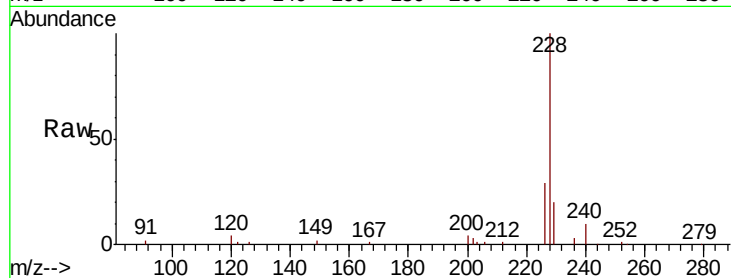
Tot Ion:228 Resp: 58147

Ion Ratio Lower Upper

228 100

226 28.8 21.8 32.6

229 19.8 15.6 23.4



#30

Chrysene

Concen: 0.400 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

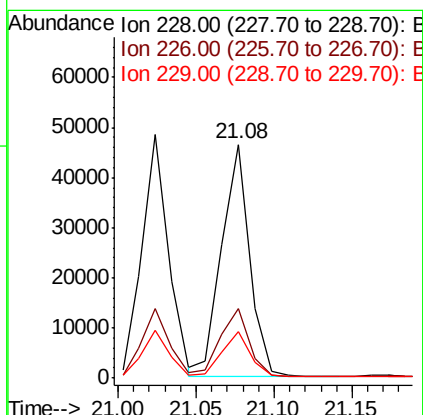
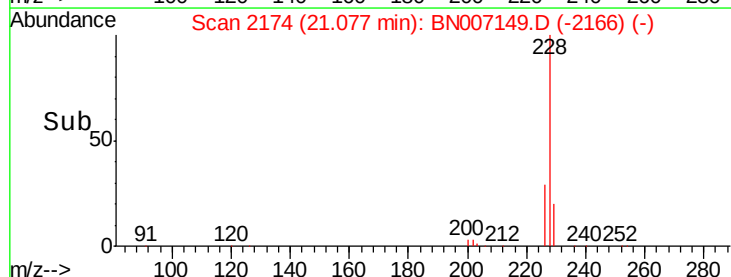
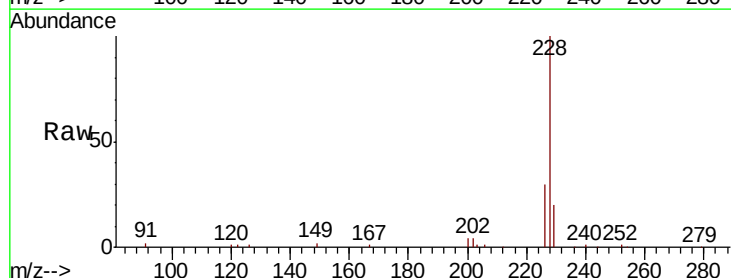
Tgt Ion:228 Resp: 58041

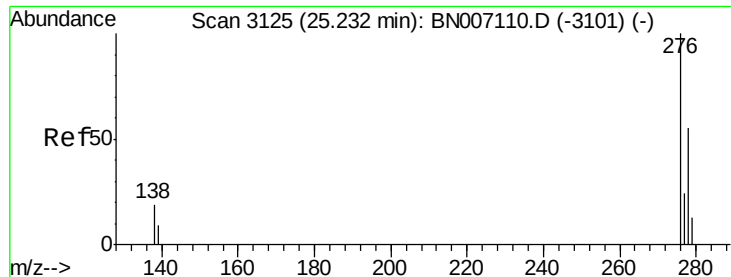
Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.6

229 20.0 15.7 23.5

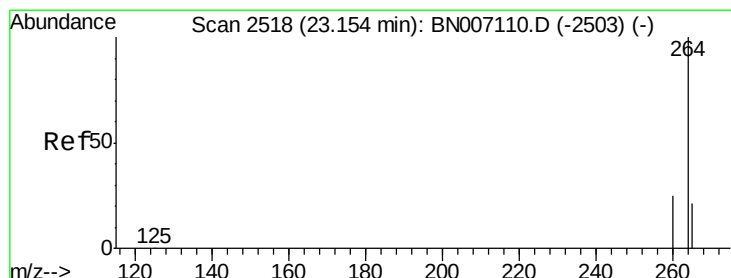
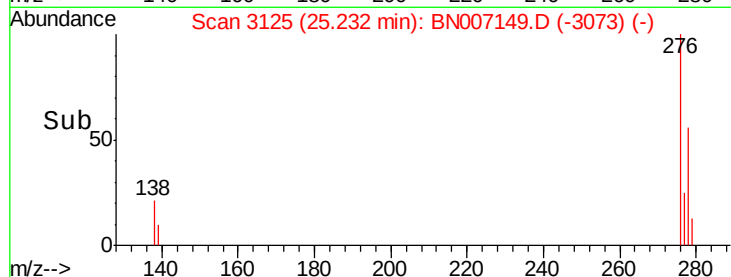
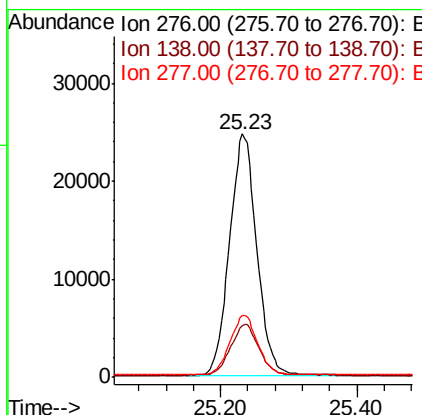
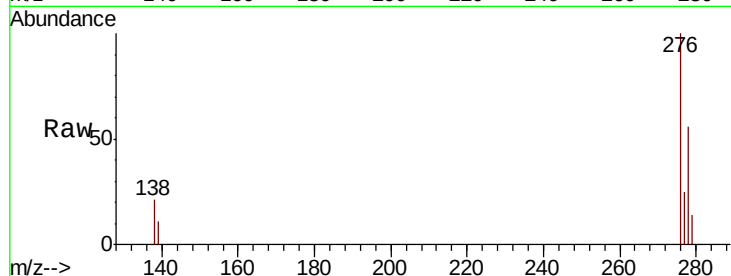




#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.429 ng
 RT: 25.23 min Scan# 3125
 Delta R.T. -0.02 min
 Lab File: BN007149.D
 Acq: 14 Aug 2019 02:44

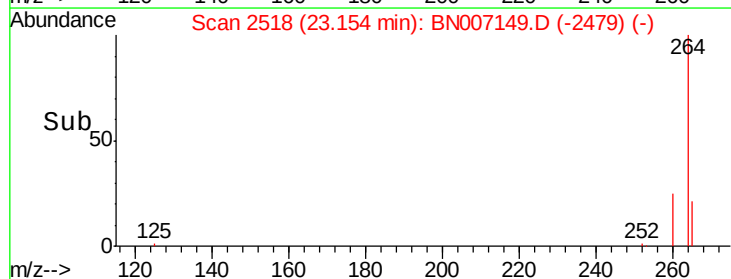
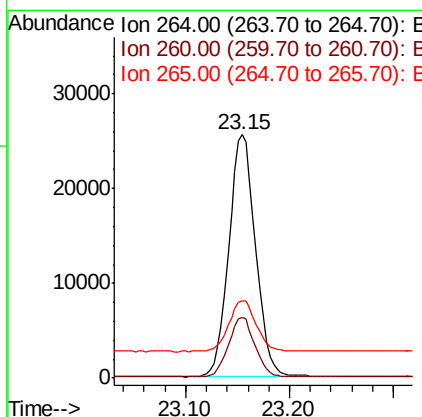
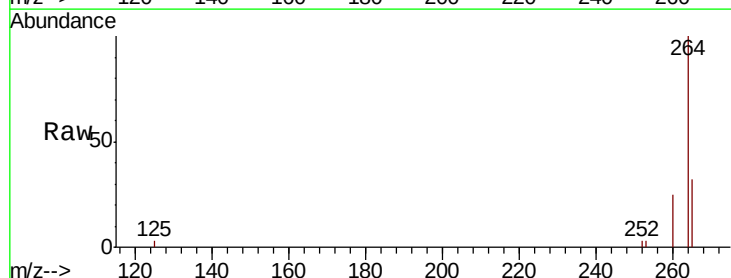
Instrument :
 BNA_N
 ClientSampleId :

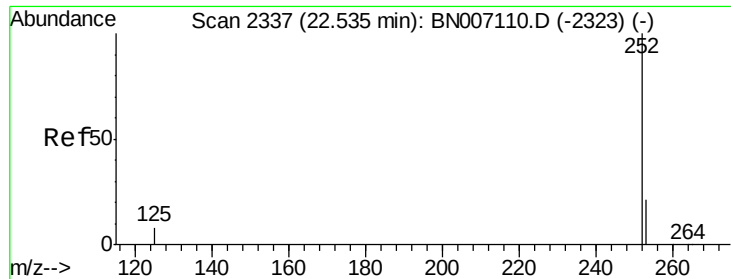
Tot Ion:276 Resp: 68685
 Ion Ratio Lower Upper
 276 100
 138 21.7 16.0 24.0
 277 24.8 19.9 29.9



#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.15 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BN007149.D
 Acq: 14 Aug 2019 02:44

Tgt Ion:264 Resp: 45484
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.8 29.8
 265 31.8 26.2 39.4





#33

Benzo(b)fluoranthene

Concen: 0.377 ng

RT: 22.53 min Scan# 2336

Delta R.T. -0.02 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

Instrument :

BNA_N

ClientSampleId :

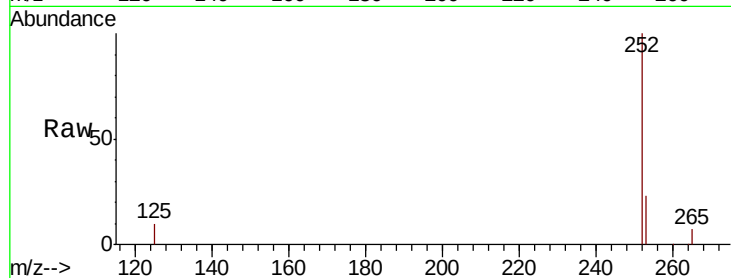
Tot Ion:252 Resp: 58767

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.2

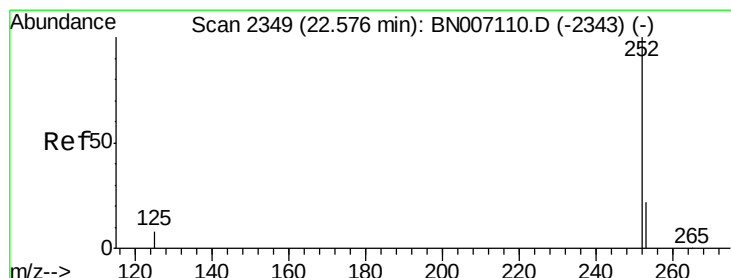
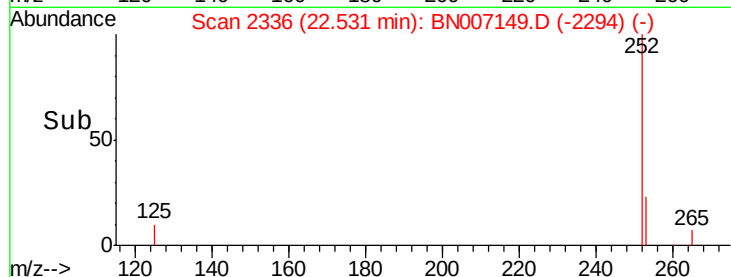
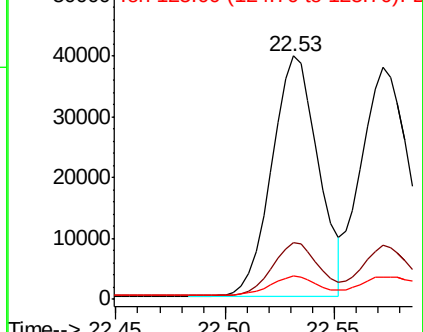
125 9.6 7.4 11.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#34

Benzo(k)fluoranthene

Concen: 0.378 ng

RT: 22.57 min Scan# 2348

Delta R.T. -0.02 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

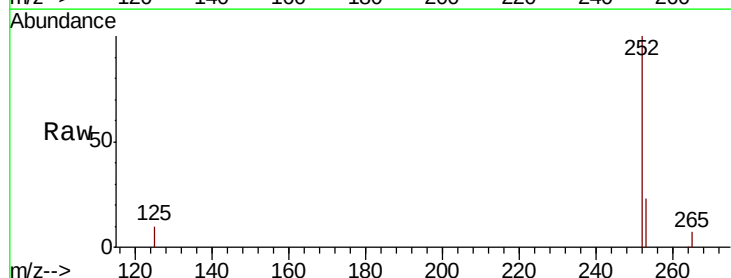
Tgt Ion:252 Resp: 58236

Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

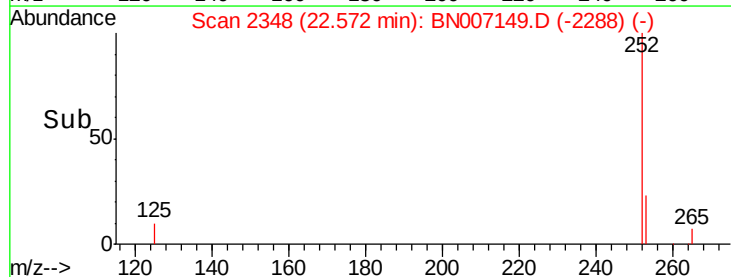
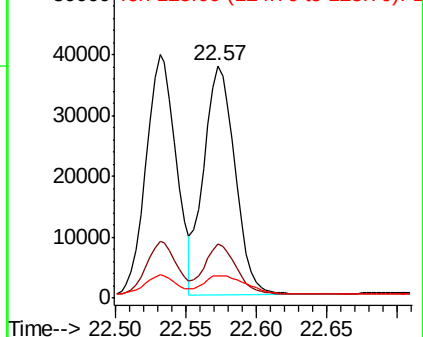
125 9.8 7.4 11.0

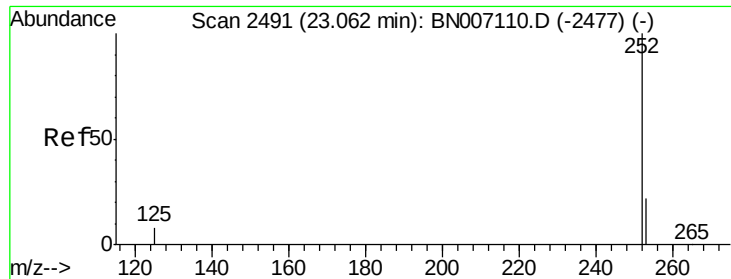


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.389 ng

RT: 23.06 min Scan# 2491

Delta R.T. -0.02 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

Instrument :

BNA_N

ClientSampleId :

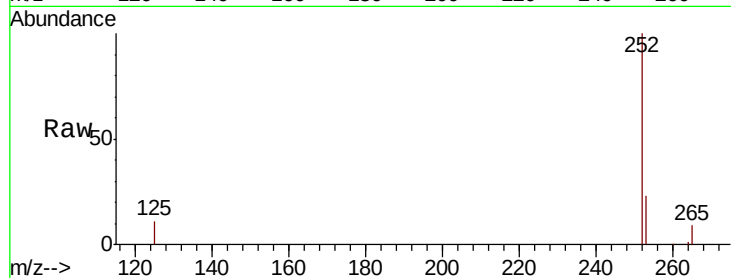
Tot Ion:252 Resp: 54941

Ion Ratio Lower Upper

252 100

253 23.4 18.5 27.7

125 10.9 8.2 12.4

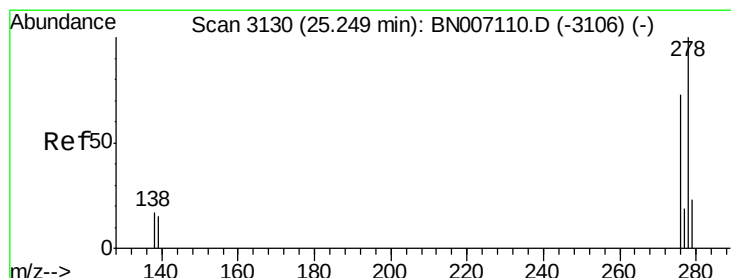
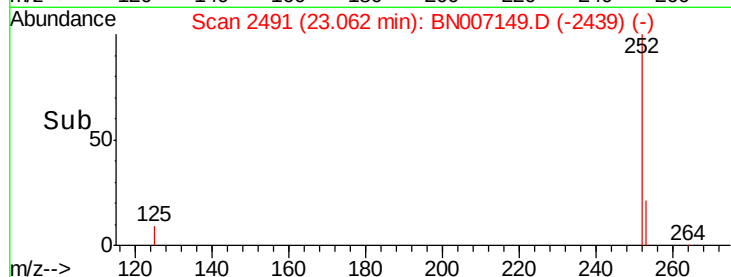
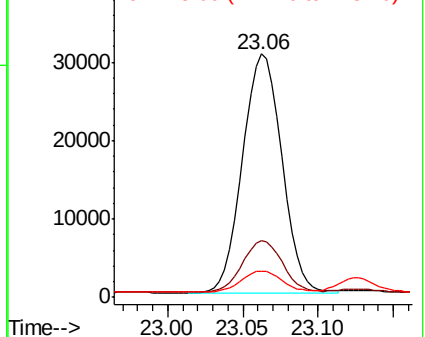


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Dibenzo(a,h)anthracene

Concen: 0.394 ng

RT: 25.25 min Scan# 3129

Delta R.T. -0.03 min

Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

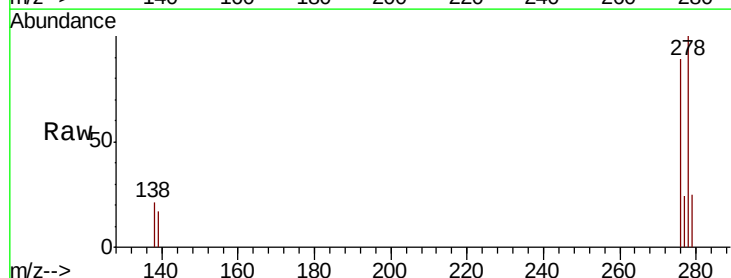
Tgt Ion:278 Resp: 55559

Ion Ratio Lower Upper

278 100

139 17.0 11.3 16.9#

279 24.7 19.3 28.9

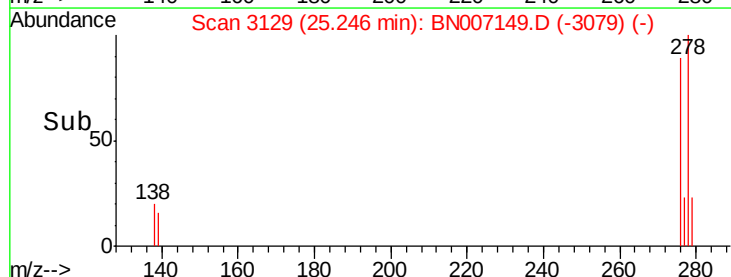
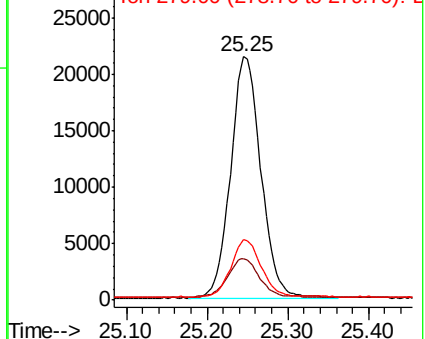


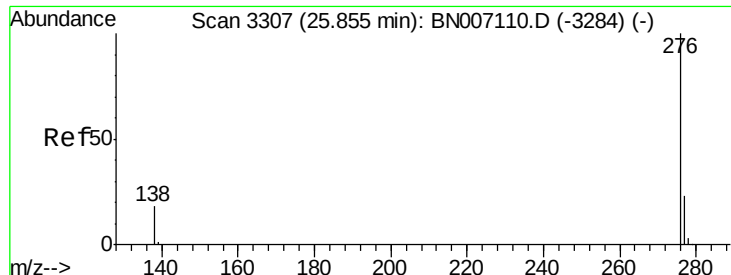
Abundance

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: 0.383 ng

RT: 25.86 min Scan# 3309

Delta R.T. -0.02 min

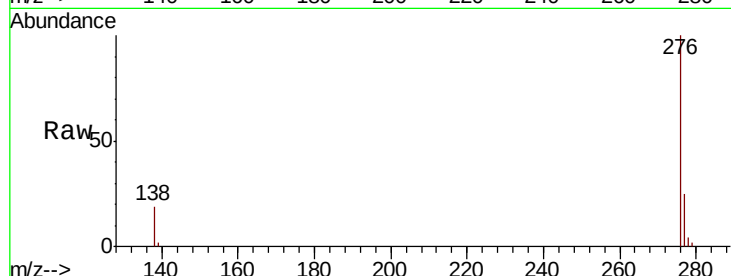
Lab File: BN007149.D

Acq: 14 Aug 2019 02:44

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 55601

Ion Ratio Lower Upper

276 100

277 24.6 19.8 29.8

138 19.3 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

