

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081319\
 Data File : BN007140.D
 Acq On : 13 Aug 2019 20:07
 Operator : HP/JU
 Sample : K4173-09MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 14 03:13:50 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	7.44	152	9706	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	37394	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	21361	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	48405	0.40	ng	0.00
26) Chrysene-d12	21.05	240	47463	0.40	ng	-0.01
32) Perylene-d12	23.16	264	53618	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	9452	0.41	ng	0.00
4) Phenol-d6	6.61	99	12803	0.44	ng	0.00
7) Nitrobenzene-d5	8.56	82	10573	0.35	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	28838	0.41	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	3722	0.32	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	4865	0.16	ng	0.00
24) Fluoranthene-d10	18.87	212	48711	0.28	ng	0.00
28) Terphenyl-d14	19.49	244	36229	0.28	ng	0.00

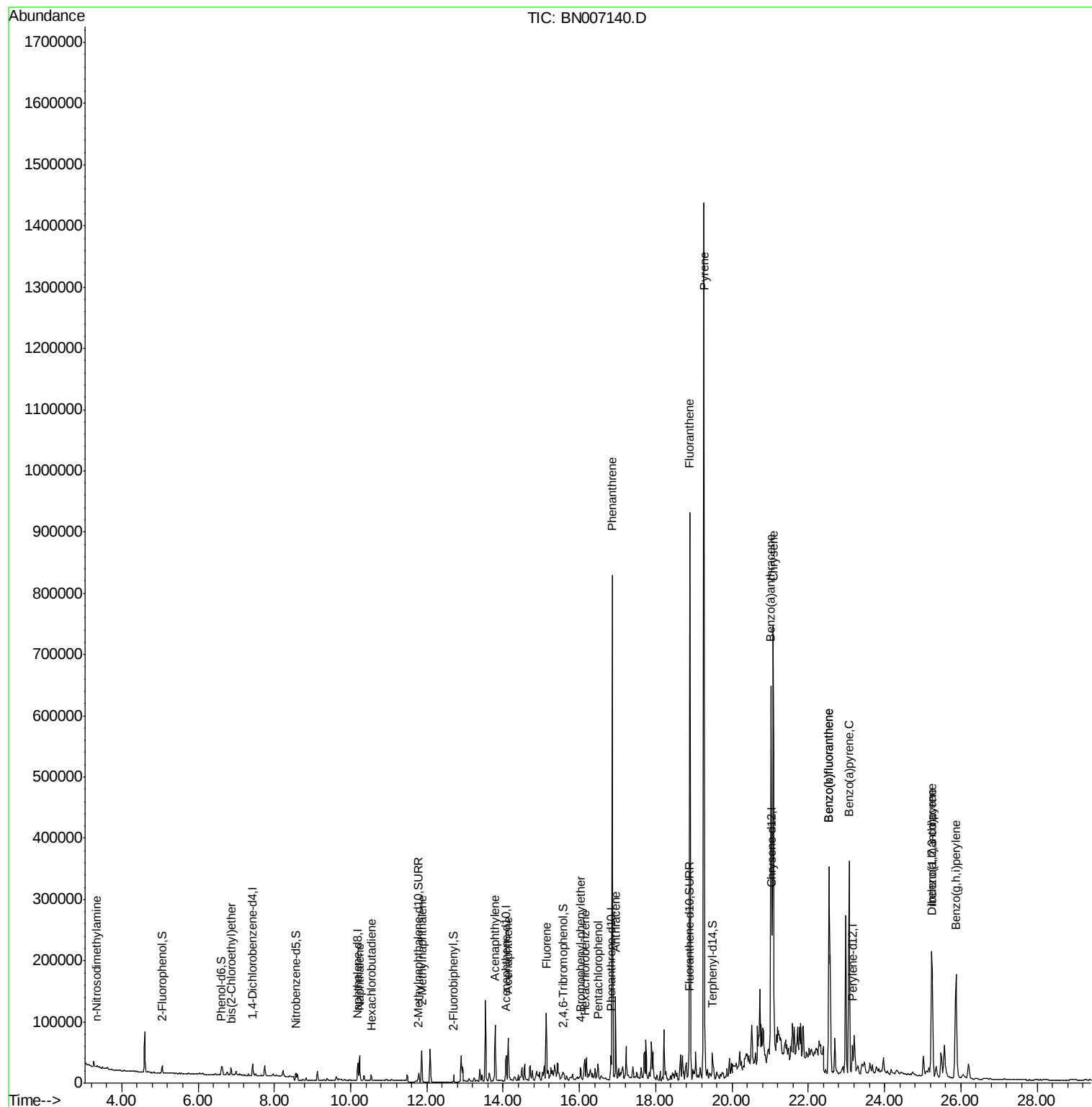
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.34	42	2477	0.388	ng	# 85
5) bis(2-Chloroethyl)ether	6.87	93	9971	0.390	ng	97
8) Naphthalene	10.24	128	52301	0.499	ng	99
9) Hexachlorobutadiene	10.54	225	6822	0.305	ng	# 99
11) 2-Methylnaphthalene	11.87	142	38543	0.519	ng	99
15) Acenaphthylene	13.79	152	108805	0.975	ng	99
16) Acenaphthene	14.13	154	38009	0.531	ng	97
17) Fluorene	15.14	166	60555	0.566	ng	94
19) 4-Bromophenyl-phenylether	16.03	248	10225	0.342	ng	# 81
20) Hexachlorobenzene	16.14	284	9089	0.316	ng	99
21) Pentachlorophenol	16.48	266	7602	0.708	ng	98
22) Phenanthrene	16.87	178	808720	5.575	ng	100
23) Anthracene	16.95	178	142529	1.075	ng	98
25) Fluoranthene	18.90	202	838873	4.521	ng	99
27) Pyrene	19.26	202	1310513	7.873	ng	96
29) Benzo(a)anthracene	21.02	228	554827	3.196	ng	94
30) Chrysene	21.08	228	673411	3.993	ng	97
31) Indeno(1,2,3-cd)pyrene	25.24	276	299678	1.612	ng	99
33) Benzo(b)fluoranthene	22.54	252	548244	2.982	ng	99
34) Benzo(k)fluoranthene	22.54	252	548244	3.019	ng	99
35) Benzo(a)pyrene	23.07	252	468485	2.811	ng	99
36) Dibenzo(a,h)anthracene	25.26	278	121975	0.733	ng	92
37) Benzo(g,h,i)perylene	25.87	276	334873	1.958	ng	99

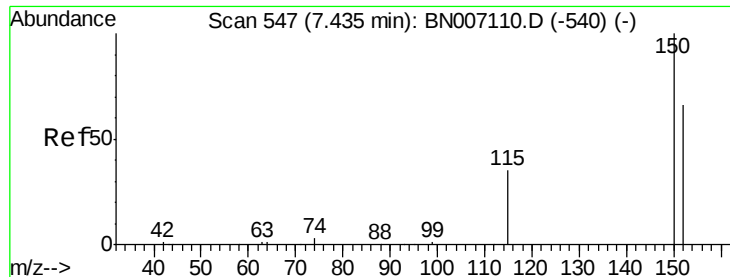
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081319\
Data File : BN007140.D
Acq On : 13 Aug 2019 20:07
Operator : HP/JU
Sample : K4173-09MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Aug 14 03:13:50 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



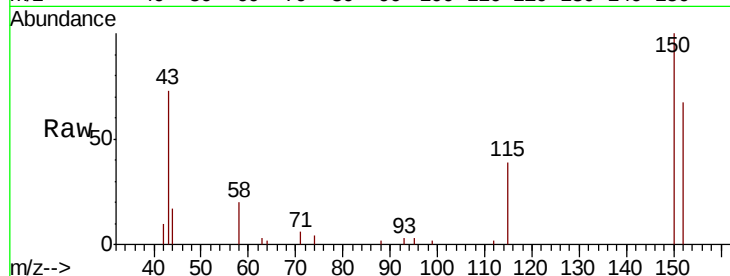


#1

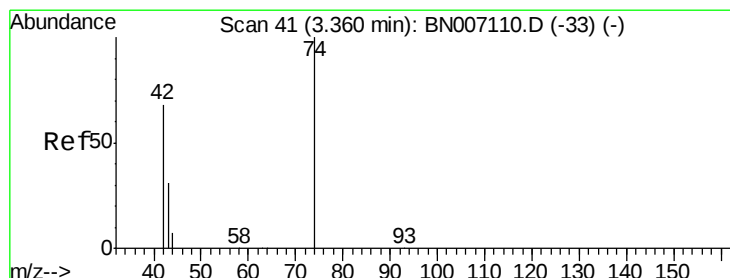
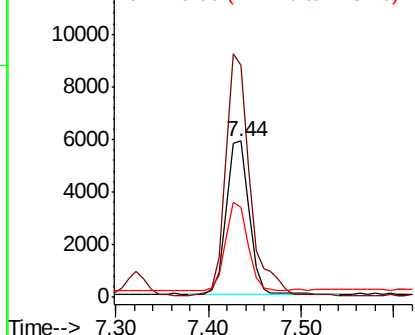
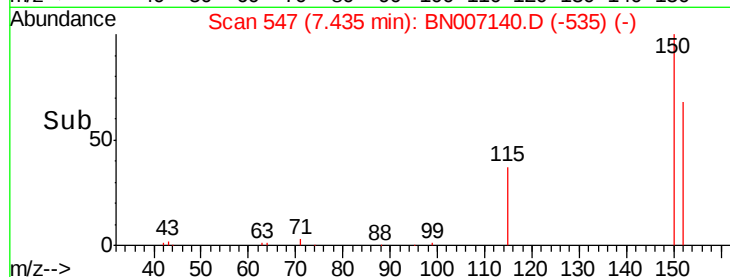
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.44 min Scan# 547
Delta R.T. 0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 9706
Ion Ratio Lower Upper
152 100
150 148.4 121.7 182.5
115 57.5 46.2 69.4



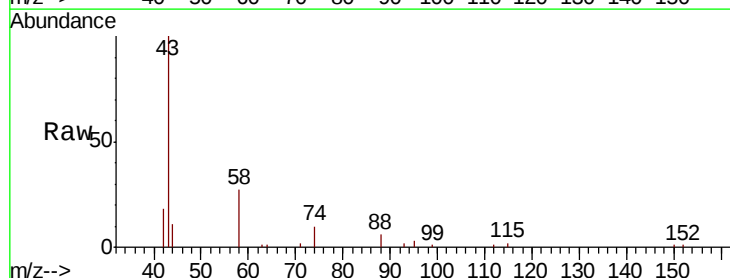
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



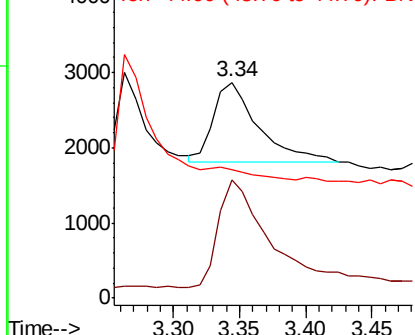
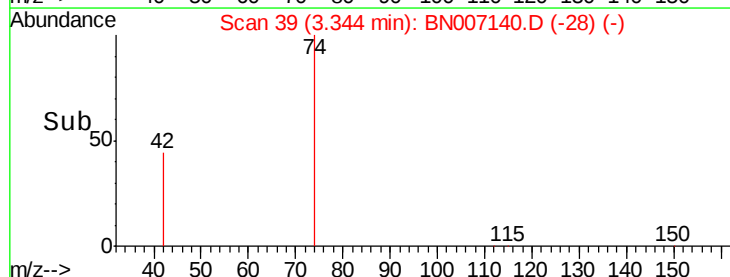
#2

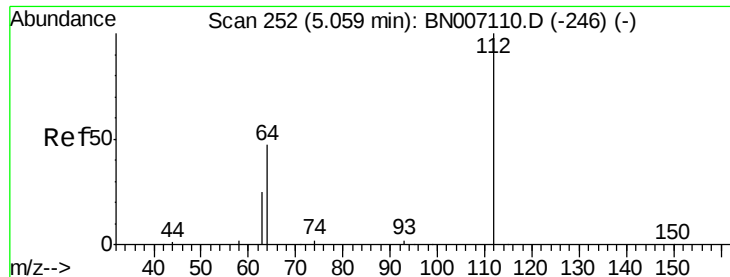
n-Nitrosodimethylamine
Concen: 0.388 ng
RT: 3.34 min Scan# 39
Delta R.T. -0.02 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Tgt Ion: 42 Resp: 2477
Ion Ratio Lower Upper
42 100
74 156.2 110.6 166.0
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: 0.405 ng

RT: 5.06 min Scan# 252

Delta R.T. -0.00 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

Instrument :

BNA_N

ClientSampleId :

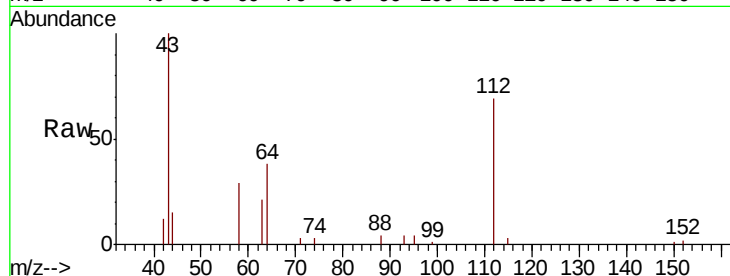
Tot Ion:112 Resp: 9452

Ion Ratio Lower Upper

112 100

64 53.0 42.6 63.8

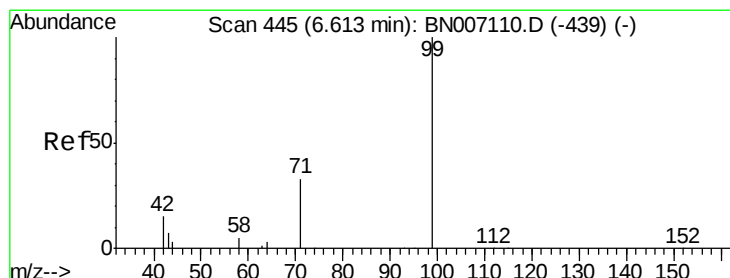
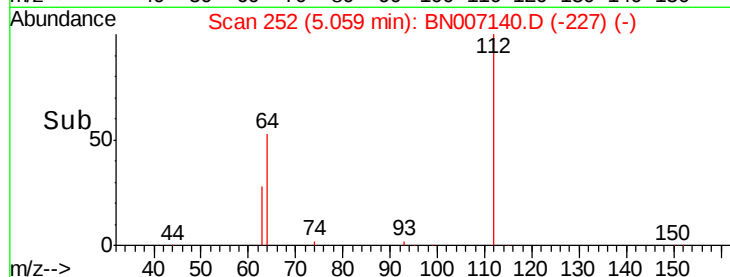
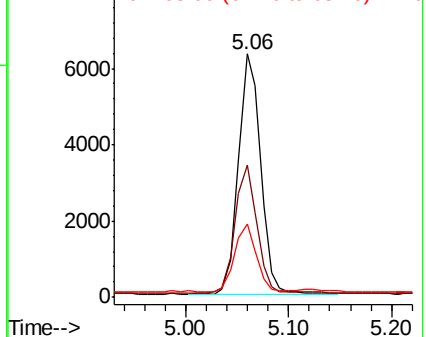
63 27.8 22.2 33.2



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: 0.443 ng

RT: 6.61 min Scan# 445

Delta R.T. 0.00 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

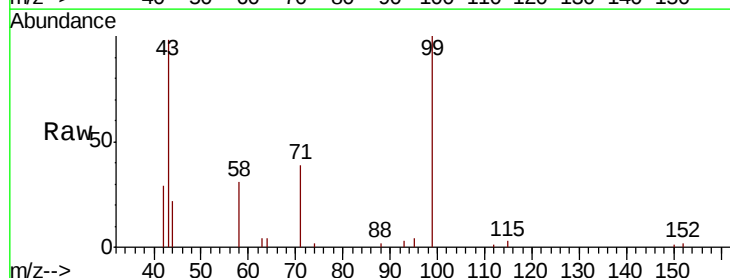
Tgt Ion: 99 Resp: 12803

Ion Ratio Lower Upper

99 100

42 22.1 15.8 23.6

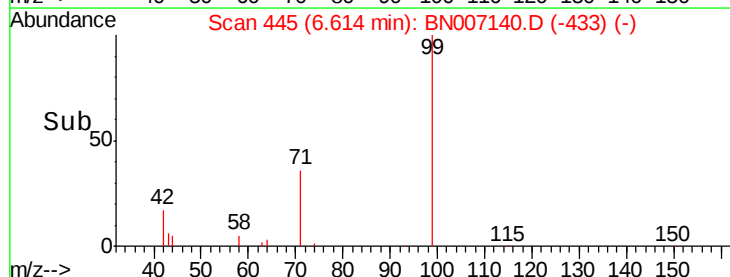
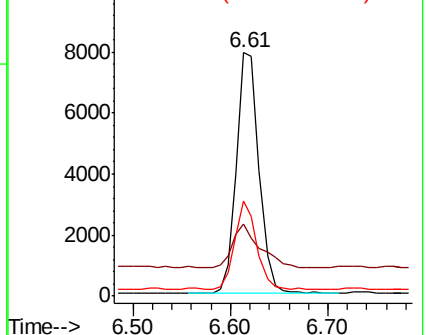
71 35.1 27.0 40.4

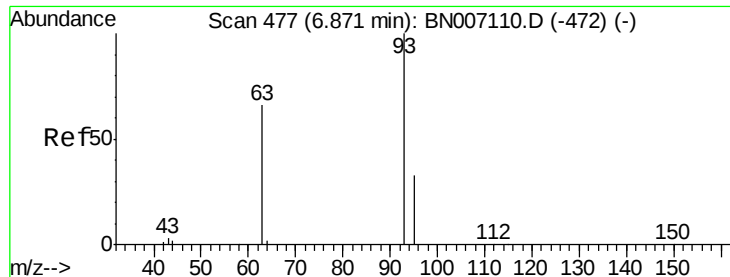


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#5

bis(2-Chloroethyl)ether

Concen: 0.390 ng

RT: 6.87 min Scan# 477

Delta R.T. 0.00 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

Instrument :

BNA_N

ClientSampleId :

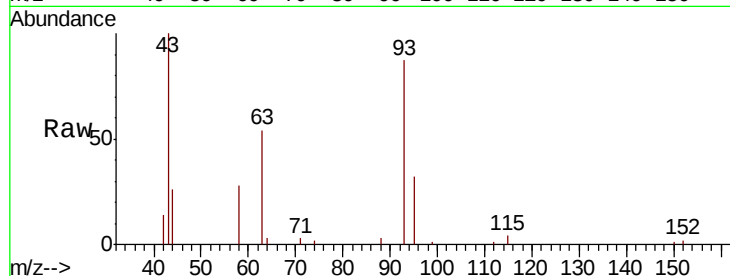
Tot Ion: 93 Resp: 9971

Ion Ratio Lower Upper

93 100

63 67.0 55.6 83.4

95 32.3 26.7 40.1

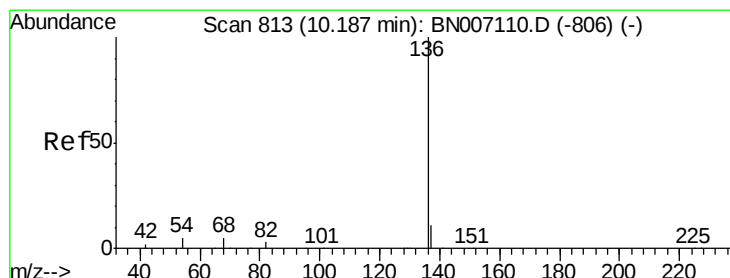
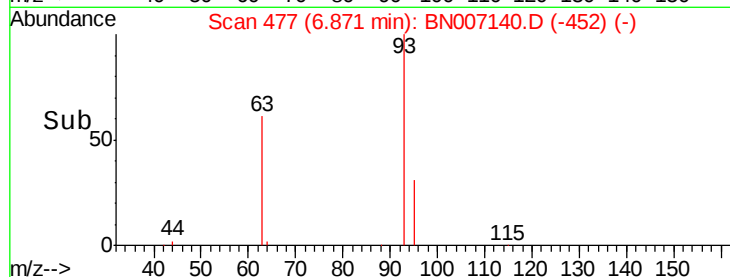
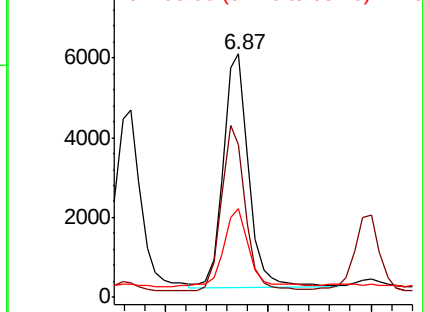


Abundance

Ion 93.00 (92.70 to 93.70): BN0

Ion 63.00 (62.70 to 63.70): BN0

Ion 95.00 (94.70 to 95.70): BN0



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. 0.00 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

Tgt Ion: 136 Resp: 37394

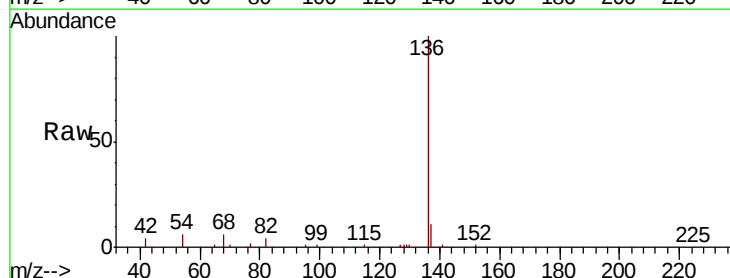
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.0

54 6.2 6.6 9.8#

68 5.7 6.0 9.0#



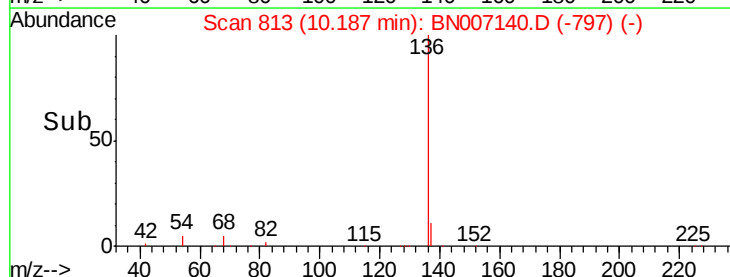
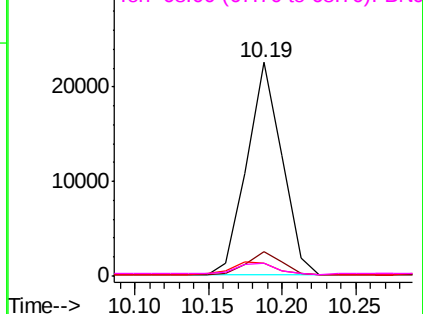
Abundance

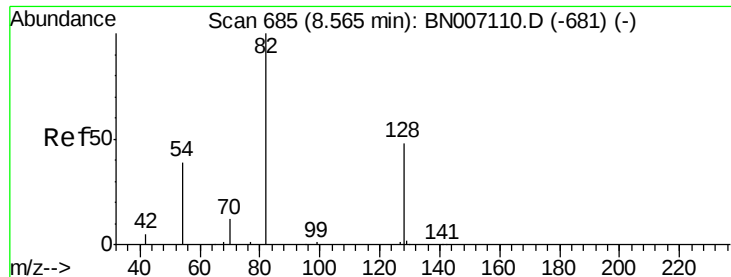
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BN0

Ion 68.00 (67.70 to 68.70): BN0





#7

Nitrobenzene-d5

Concen: 0.351 ng

RT: 8.56 min Scan# 685

Delta R.T. 0.00 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

Instrument :

BNA_N

ClientSampleId :

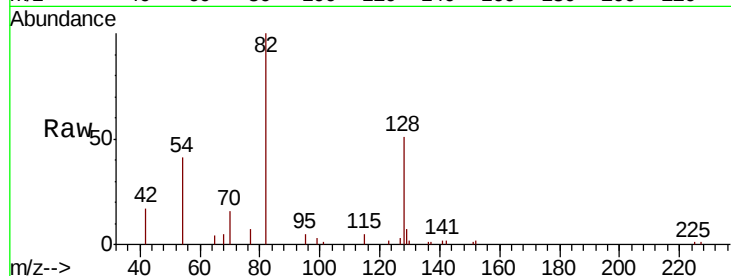
Tot Ion: 82 Resp: 10573

Ion Ratio Lower Upper

82 100

128 51.2 34.6 51.8

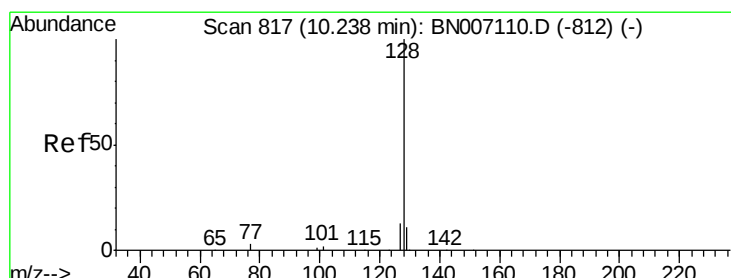
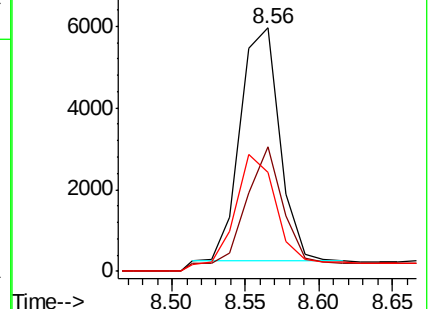
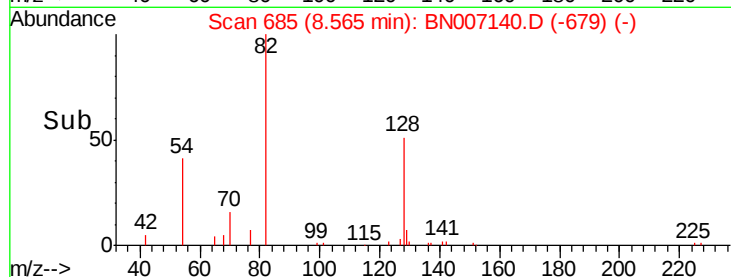
54 40.7 36.2 54.4



Abundance Ion 82.00 (81.70 to 82.70): BN007140.D (-679) (-)

Ion 128.00 (127.70 to 128.70): BN007140.D (-679) (-)

Ion 54.00 (53.70 to 54.70): BN007140.D (-679) (-)



#8

Naphthalene

Concen: 0.499 ng

RT: 10.24 min Scan# 817

Delta R.T. 0.00 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

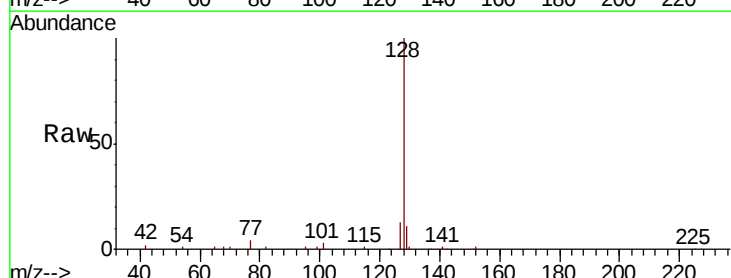
Tgt Ion: 128 Resp: 52301

Ion Ratio Lower Upper

128 100

129 11.4 9.4 14.2

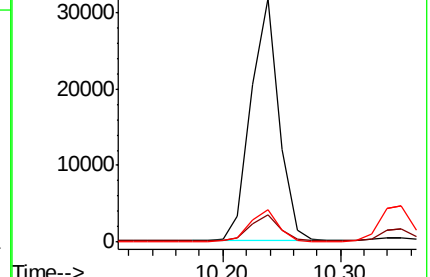
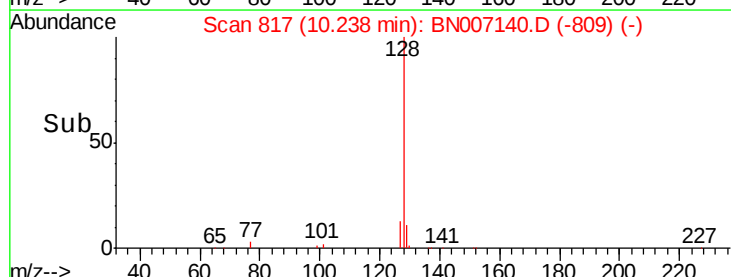
127 13.2 11.0 16.6

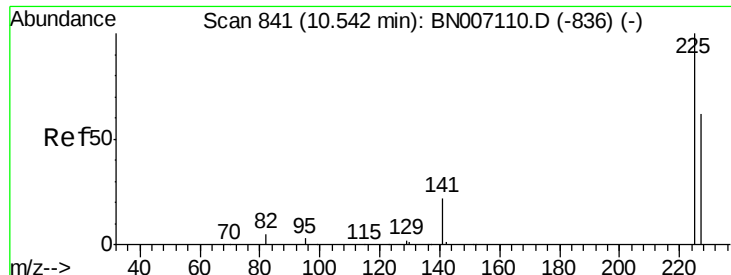


Abundance Ion 128.00 (127.70 to 128.70): BN007140.D (-809) (-)

Ion 129.00 (128.70 to 129.70): BN007140.D (-809) (-)

Ion 127.00 (126.70 to 127.70): BN007140.D (-809) (-)

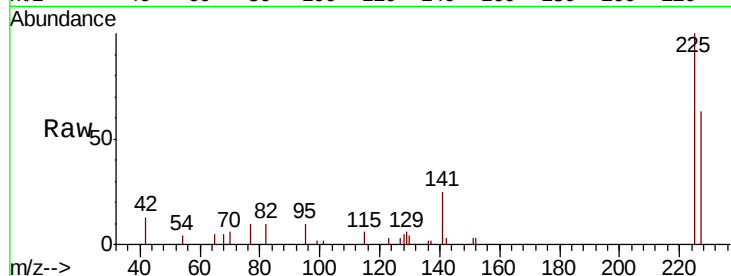




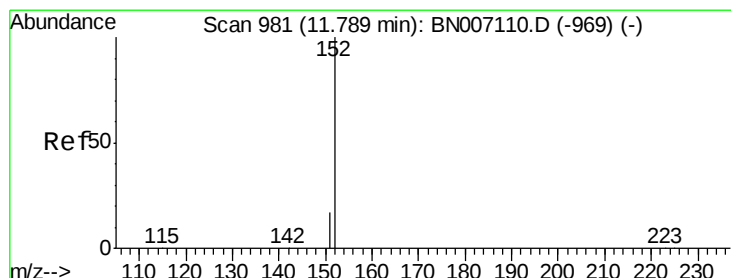
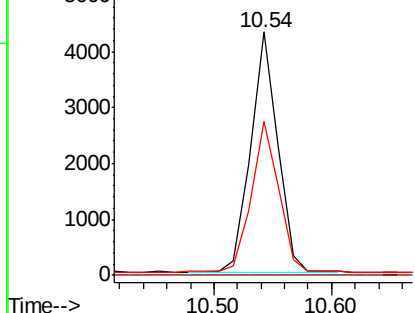
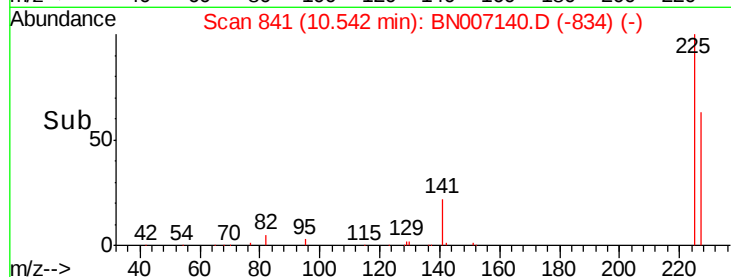
#9
Hexachlorobutadiene
Concen: 0.305 ng
RT: 10.54 min Scan# 841
Delta R.T. -0.01 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tot Ion:225 Resp: 6822
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.0 51.1 76.7

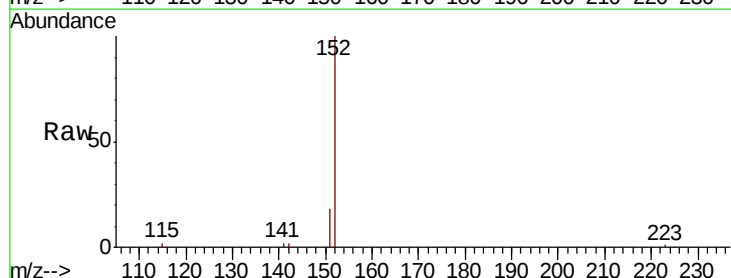


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

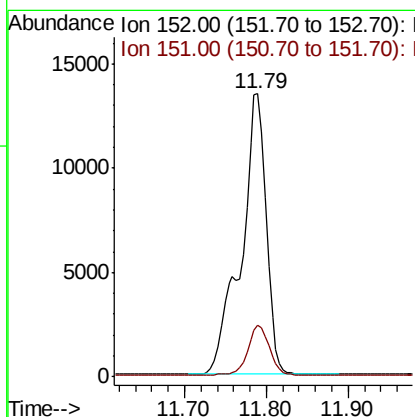
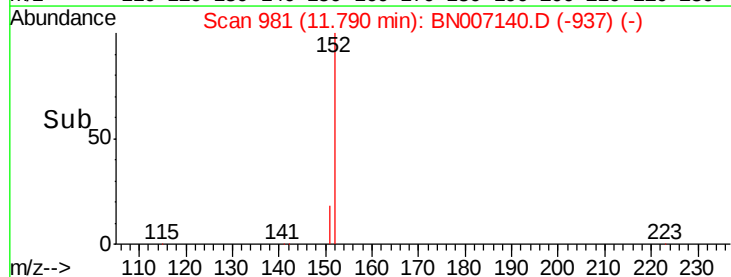


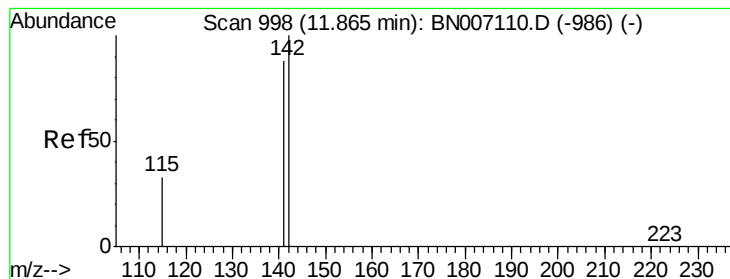
#10
2-Methylnaphthalene-d10
Concen: 0.414 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Tgt Ion:152 Resp: 28838
Ion Ratio Lower Upper
152 100
151 14.7 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: 0.519 ng

RT: 11.87 min Scan# 998

Delta R.T. -0.00 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

Instrument :

BNA_N

ClientSampleId :

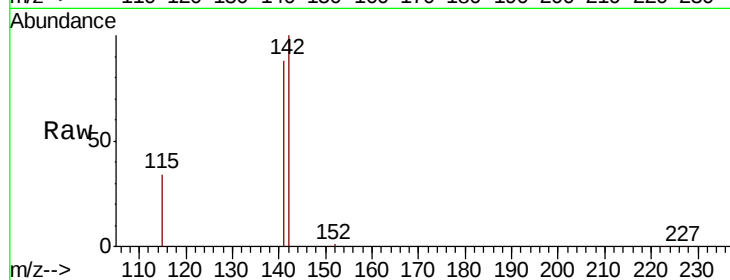
Tot Ion:142 Resp: 38543

Ion Ratio Lower Upper

142 100

141 87.8 69.0 103.6

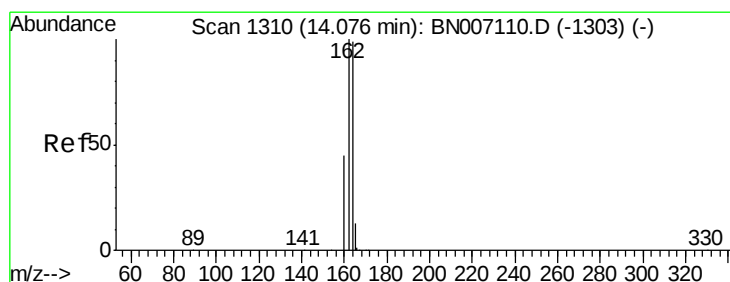
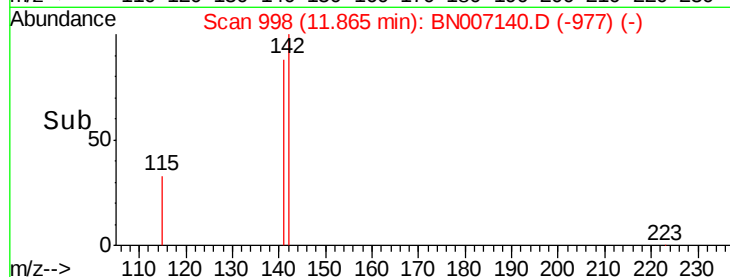
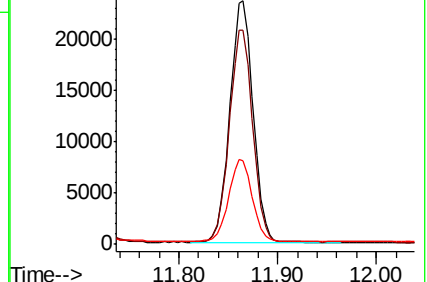
115 34.5 27.1 40.7



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: BN007140.D

Acq: 13 Aug 2019 20:07

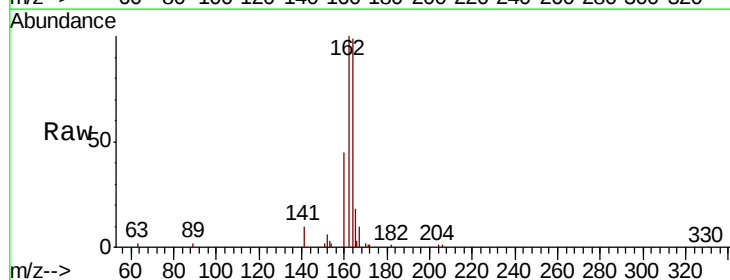
Tgt Ion:164 Resp: 21361

Ion Ratio Lower Upper

164 100

162 101.0 82.2 123.4

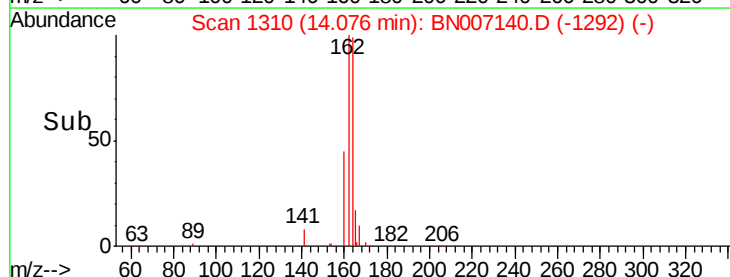
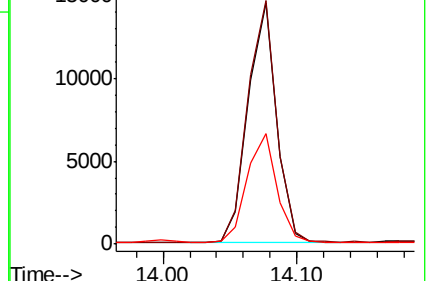
160 45.7 38.3 57.5

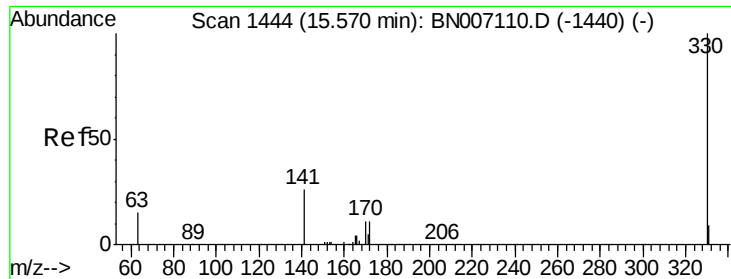


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

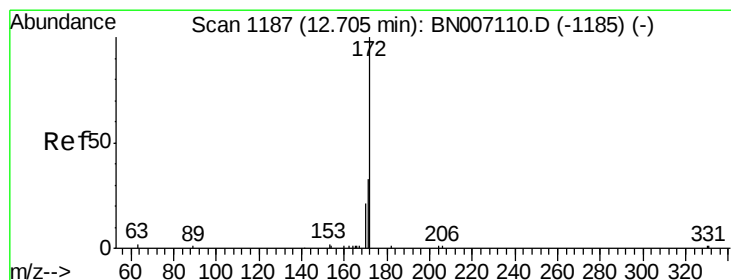
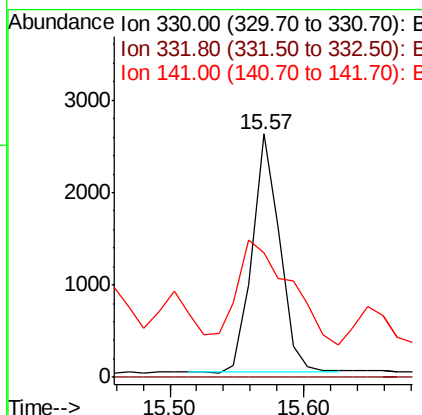
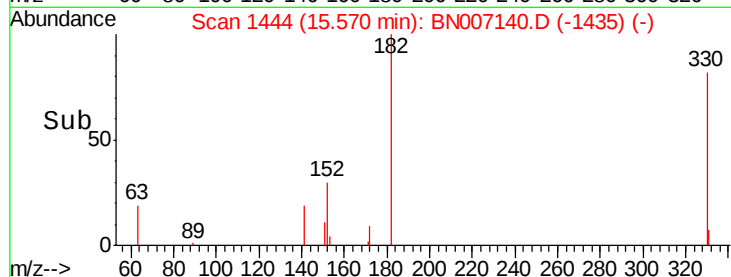
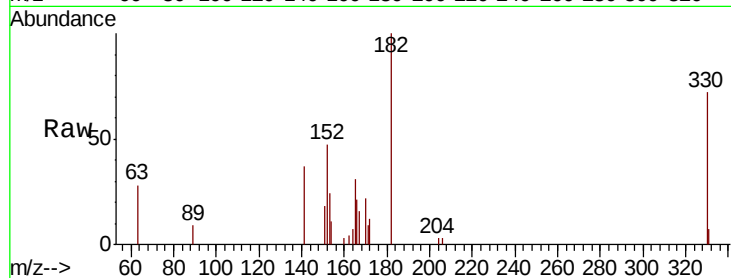




#13
 2,4,6-Tribromophenol
 Concen: 0.324 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: BN007140.D
 Acq: 13 Aug 2019 20:07

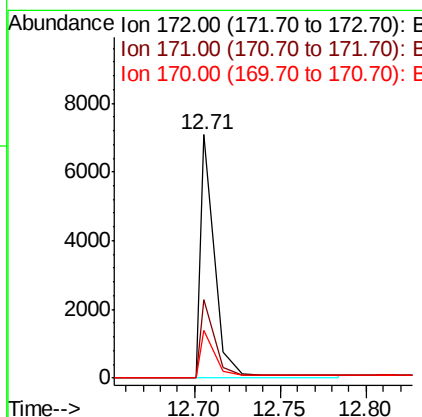
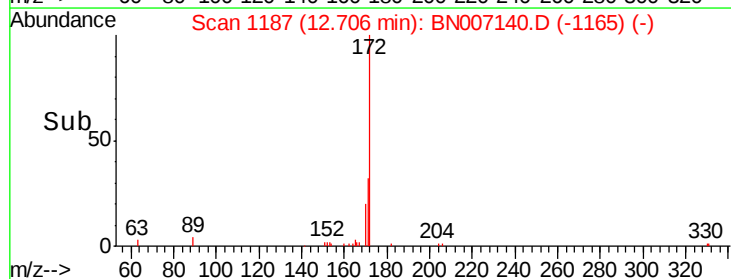
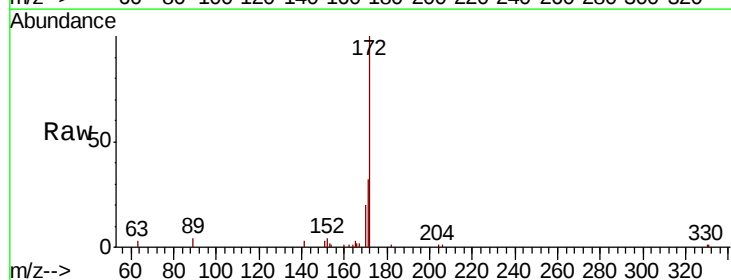
Instrument :
 BNA_N
 ClientSampleId :

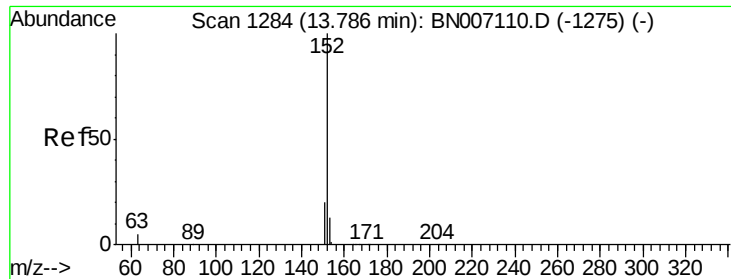
Tot Ion:330 Resp: 3722
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 83.2 33.6 50.4#



#14
 2-Fluorobiphenyl
 Concen: 0.157 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: BN007140.D
 Acq: 13 Aug 2019 20:07

Tgt Ion:172 Resp: 4865
 Ion Ratio Lower Upper
 172 100
 171 32.4 26.3 39.5
 170 19.7 17.0 25.4





#15

Acenaphthylene

Concen: 0.975 ng

RT: 13.79 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

Instrument :

BNA_N

ClientSampleId :

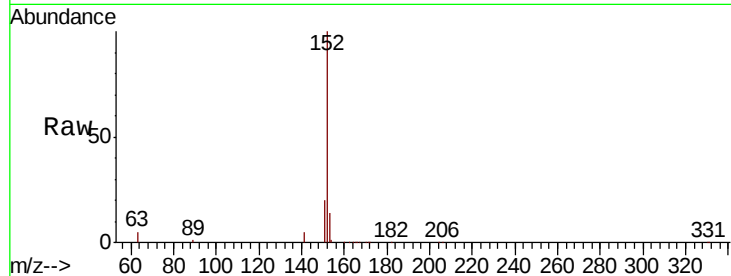
Tot Ion:152 Resp: 108805

Ion Ratio Lower Upper

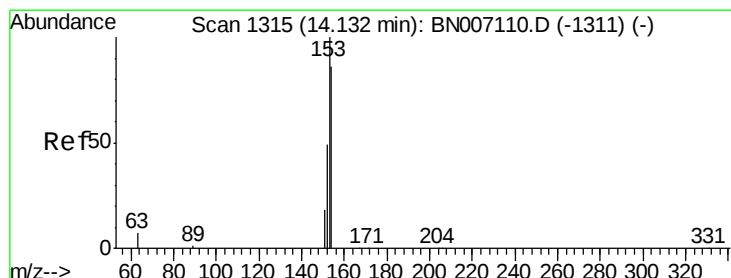
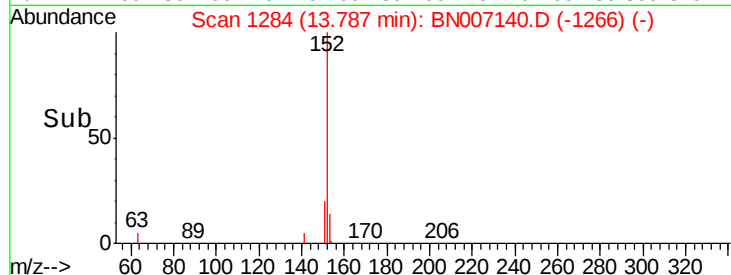
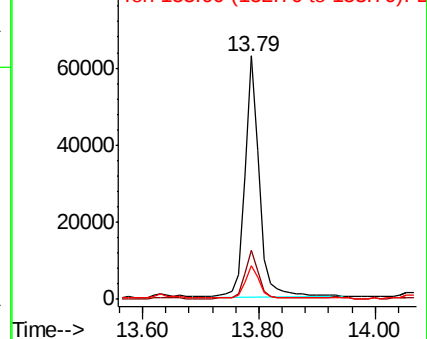
152 100

151 19.4 15.8 23.6

153 13.6 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: 0.531 ng

RT: 14.13 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

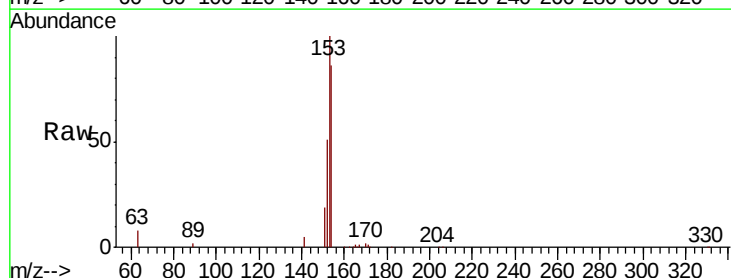
Tgt Ion:154 Resp: 38009

Ion Ratio Lower Upper

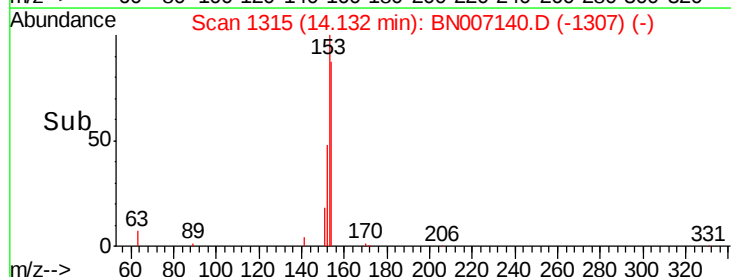
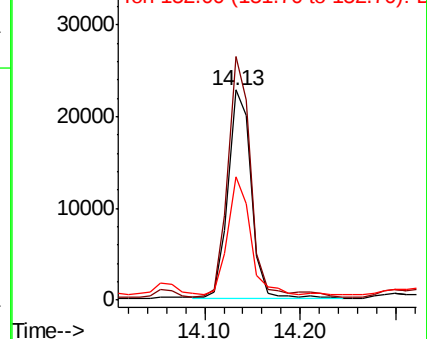
154 100

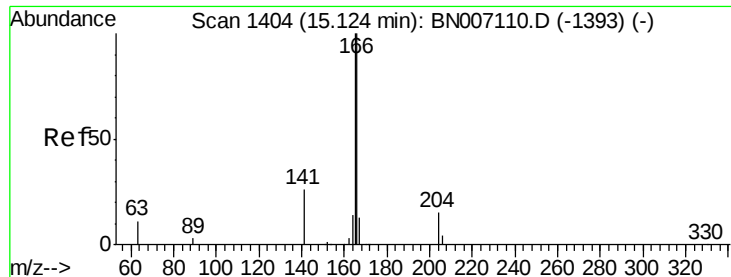
153 115.7 89.5 134.3

152 54.6 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

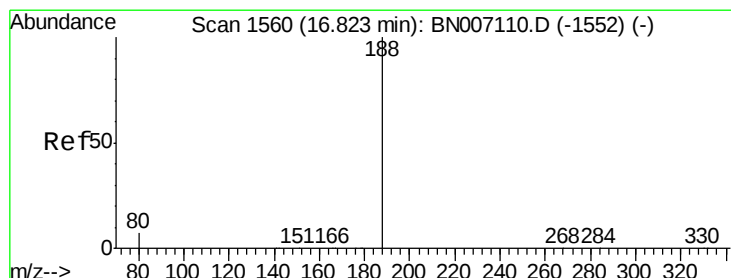
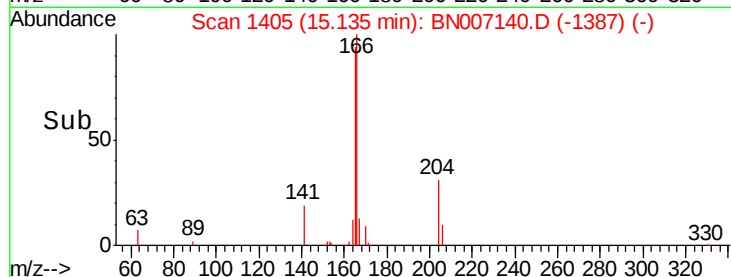
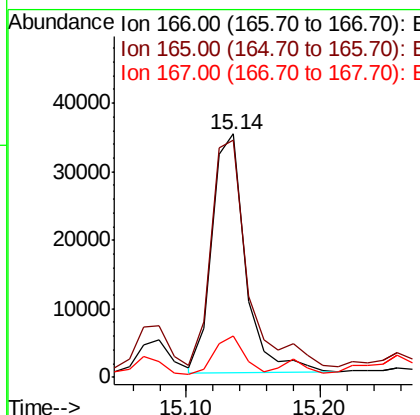
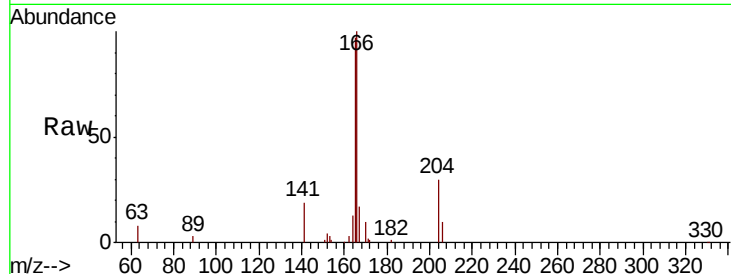




#17
Fluorene
 Concen: 0.566 ng
 RT: 15.14 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: BN007140.D
 Acq: 13 Aug 2019 20:07

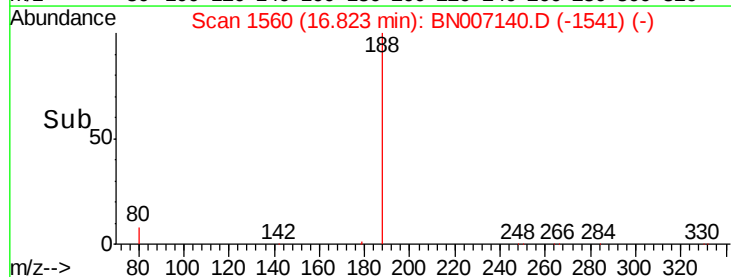
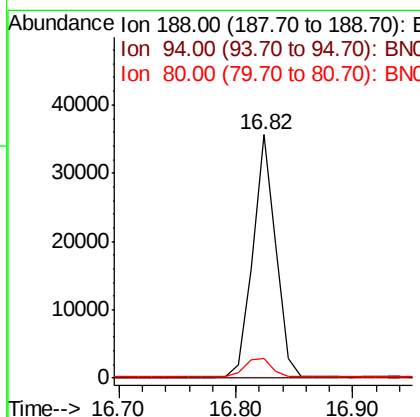
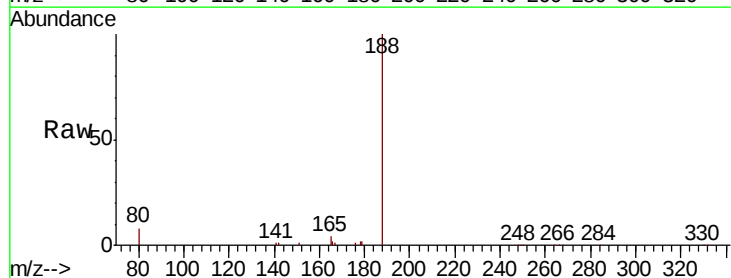
Instrument :
 BNA_N
 ClientSampleId :

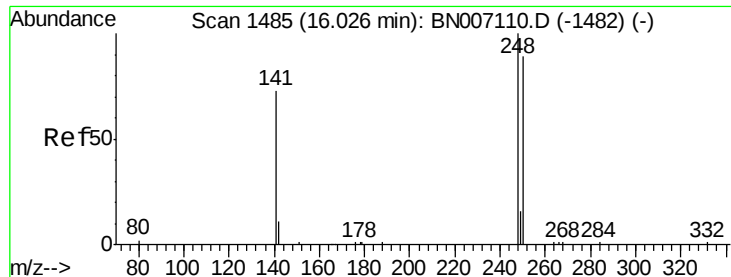
Tot Ion	166	Resp	60555
Ion Ratio	100	Lower	Upper
165	103.4	77.9	116.9
167	14.9	10.9	16.3



#18
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BN007140.D
 Acq: 13 Aug 2019 20:07

Tgt Ion	188	Resp	48405
Ion Ratio	100	Lower	Upper
94	0.0	0.0	0.0
80	8.3	7.8	11.6





#19

4-Bromophenyl-phenylether

Concen: 0.342 ng

RT: 16.03 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

Instrument :

BNA_N

ClientSampled :

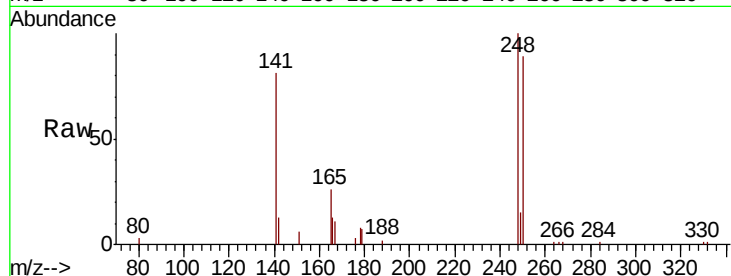
Tot Ion:248 Resp: 10225

Ion Ratio Lower Upper

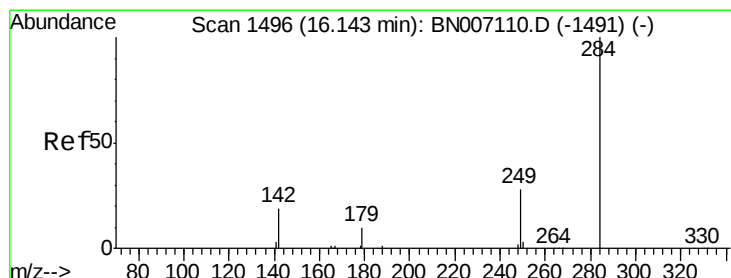
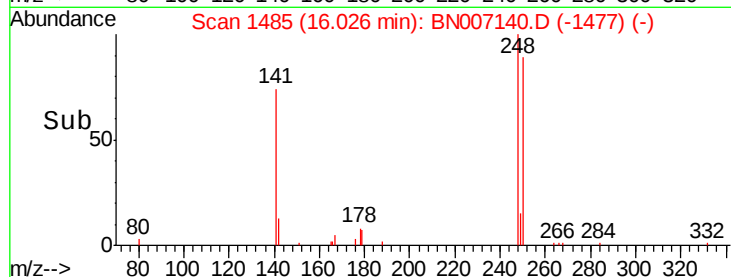
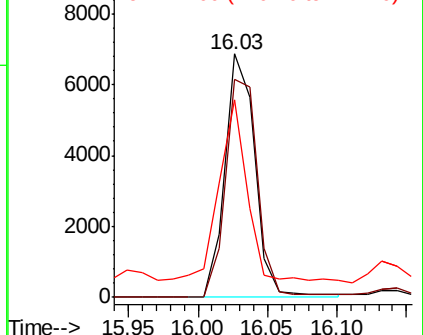
248 100

250 89.3 78.9 118.3

141 80.9 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: 0.316 ng

RT: 16.14 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

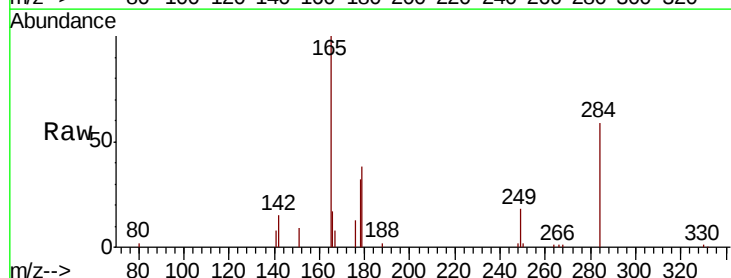
Tgt Ion:284 Resp: 9089

Ion Ratio Lower Upper

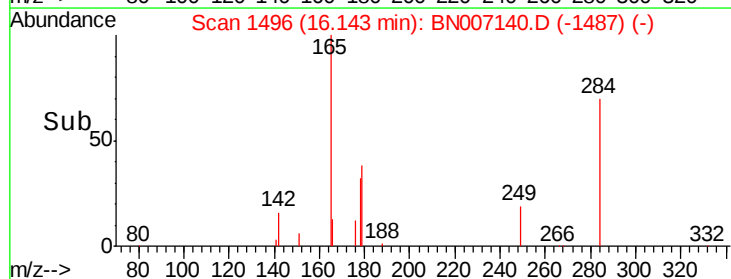
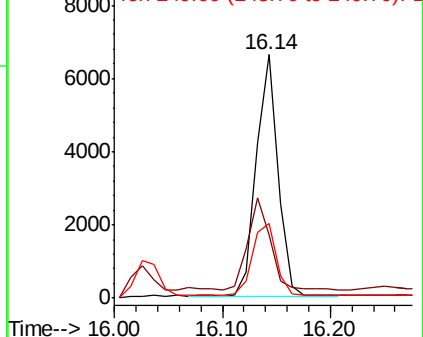
284 100

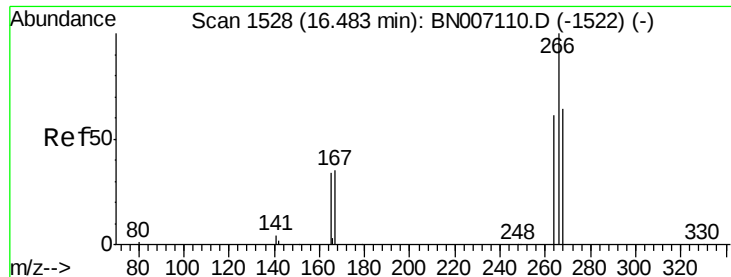
142 39.3 30.5 45.7

249 32.9 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

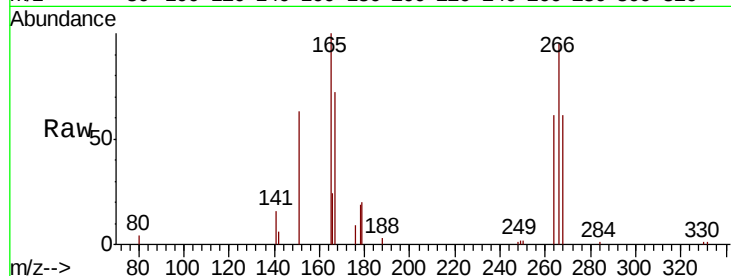




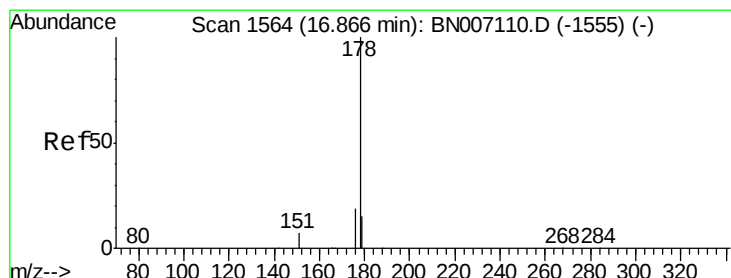
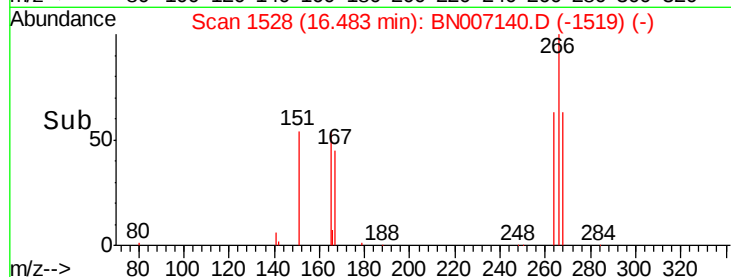
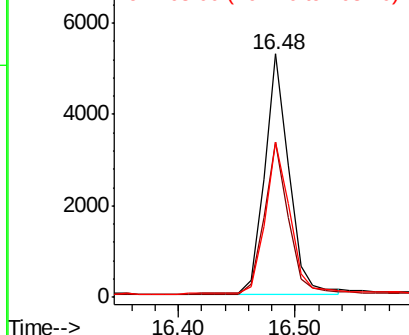
#21
 Pentachlorophenol
 Concen: 0.708 ng
 RT: 16.48 min Scan# 1528
 Delta R.T. 0.00 min
 Lab File: BN007140.D
 Acq: 13 Aug 2019 20:07

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:266 Resp: 7602
 Ion Ratio Lower Upper
 266 100
 264 63.6 52.3 78.5
 268 63.6 51.5 77.3

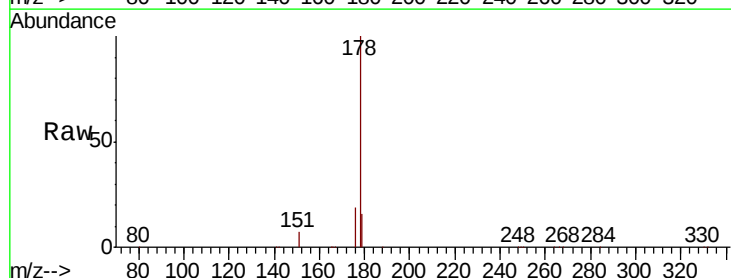


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

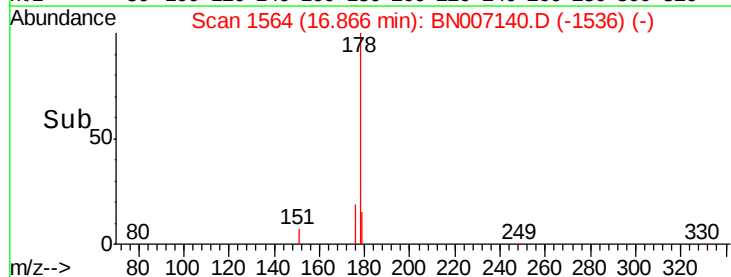
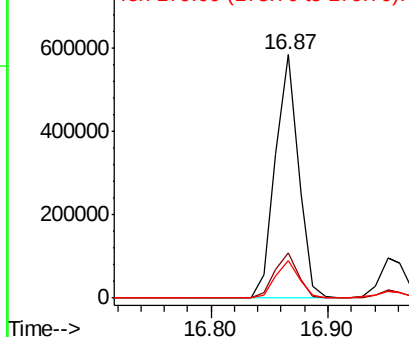


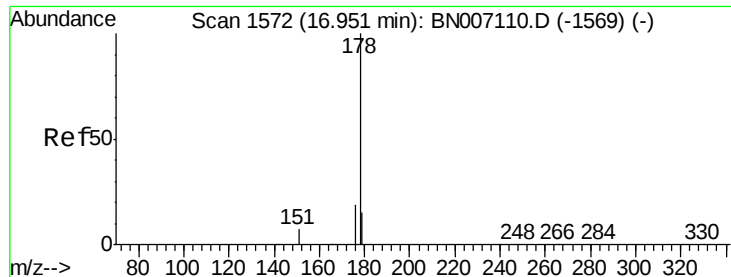
#22
 Phenanthrene
 Concen: 5.575 ng
 RT: 16.87 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BN007140.D
 Acq: 13 Aug 2019 20:07

Tgt Ion:178 Resp: 808720
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.2 22.8
 179 15.7 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 1.075 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

Instrument :

BNA_N

ClientSampleId :

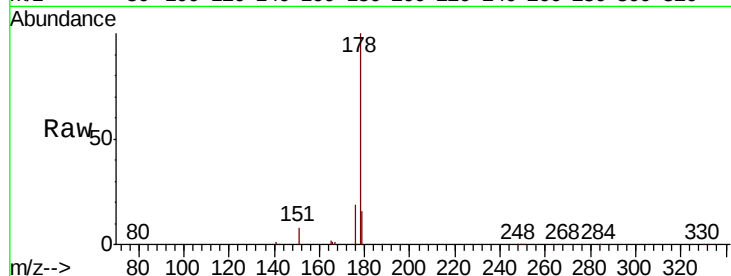
Tot Ion:178 Resp: 142529

Ion Ratio Lower Upper

178 100

176 18.3 14.6 21.8

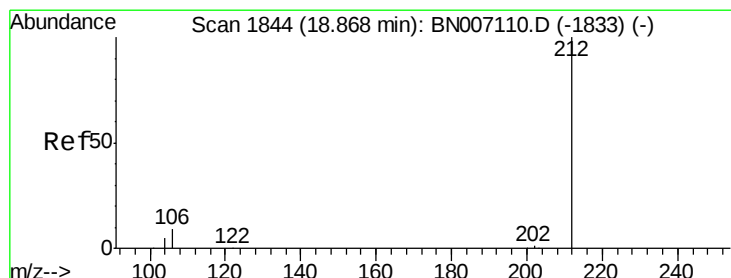
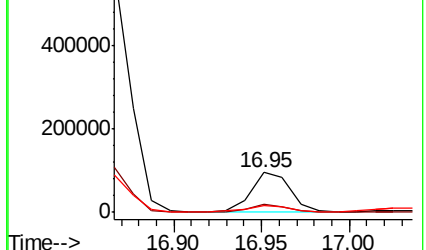
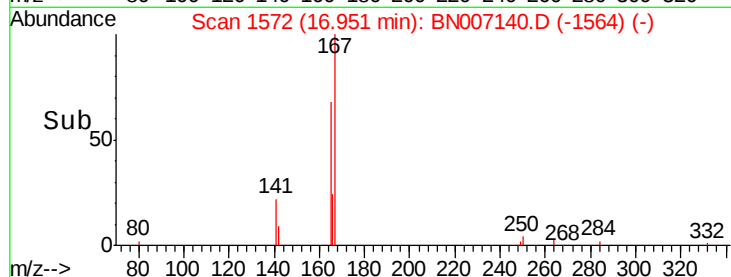
179 17.1 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Fluoranthene-d10

Concen: 0.284 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

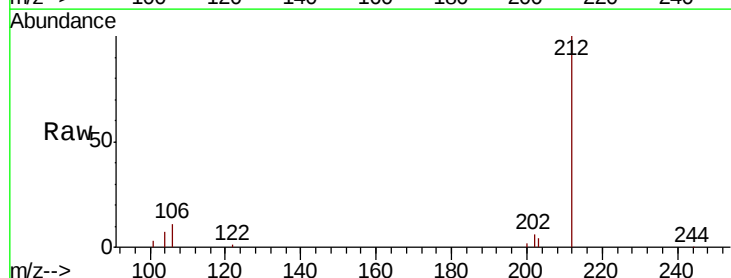
Tgt Ion:212 Resp: 48711

Ion Ratio Lower Upper

212 100

106 10.1 8.2 12.2

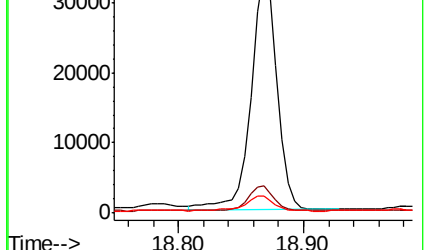
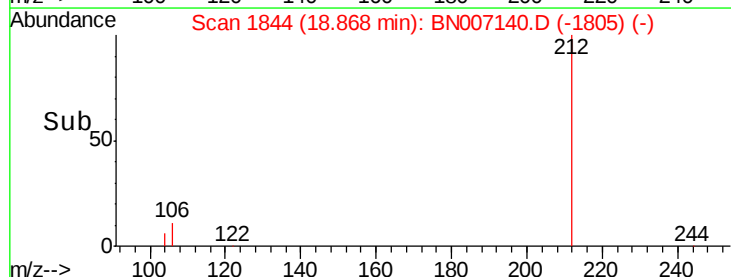
104 6.8 4.5 6.7#

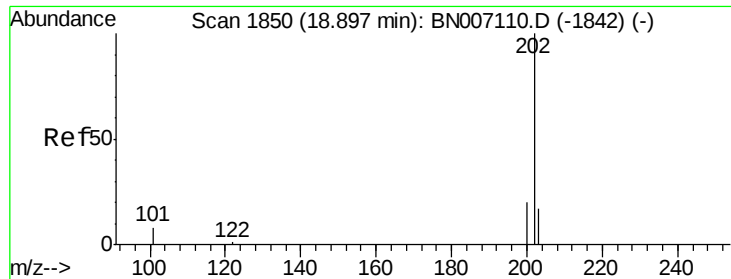


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#25

Fluoranthene

Concen: 4.521 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

Instrument :

BNA_N

ClientSampleId :

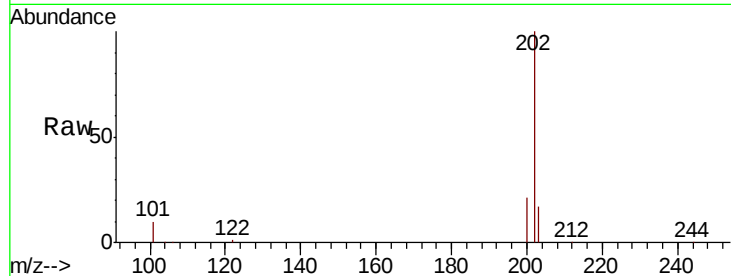
Tot Ion:202 Resp: 838873

Ion Ratio Lower Upper

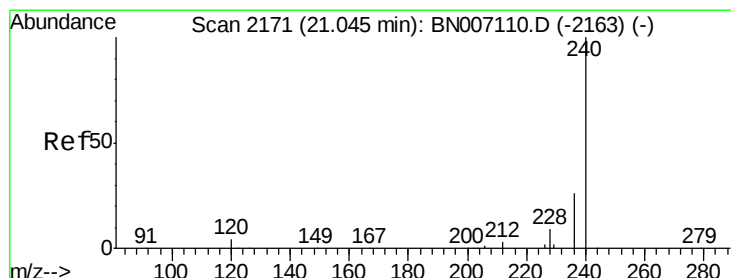
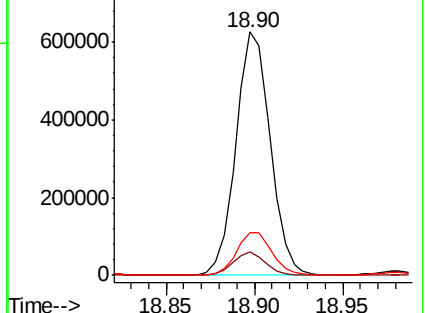
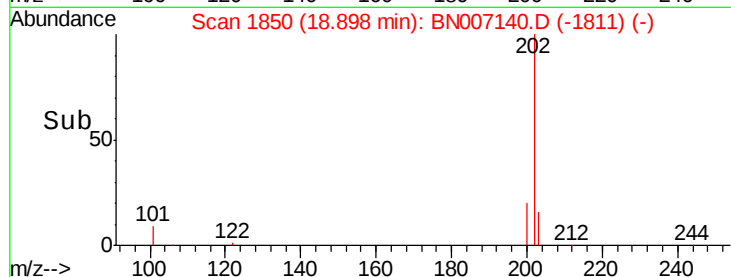
202 100

101 9.0 7.0 10.4

203 17.9 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.05 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

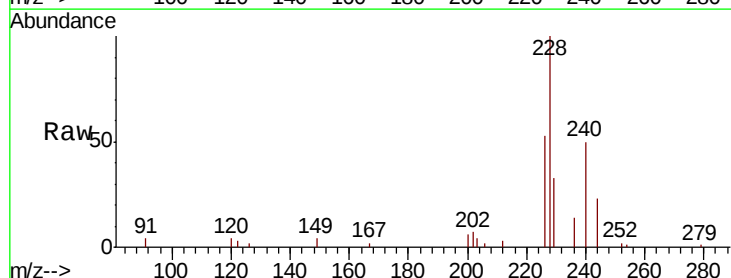
Tgt Ion:240 Resp: 47463

Ion Ratio Lower Upper

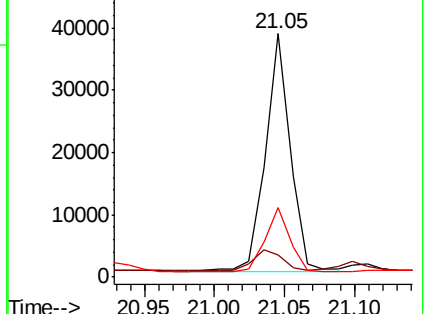
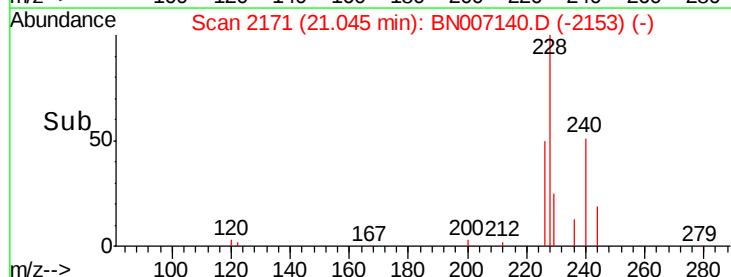
240 100

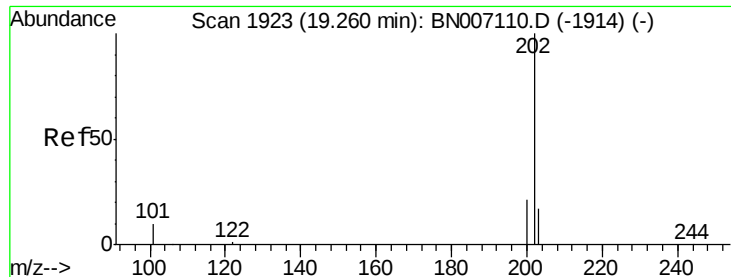
120 8.9 4.0 6.0#

236 28.7 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: 7.873 ng

RT: 19.26 min Scan# 1924

Delta R.T. -0.00 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

Instrument :

BNA_N

ClientSampleId :

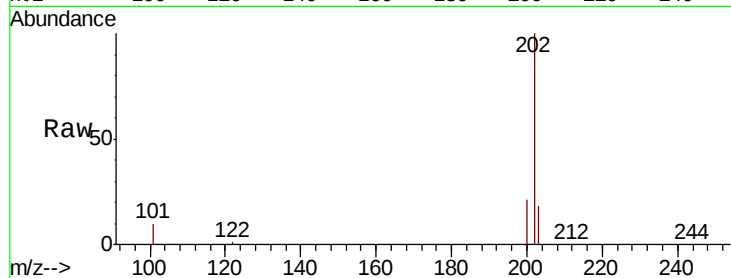
Tot Ion:202 Resp: 1310513

Ion Ratio Lower Upper

202 100

200 20.9 16.6 24.8

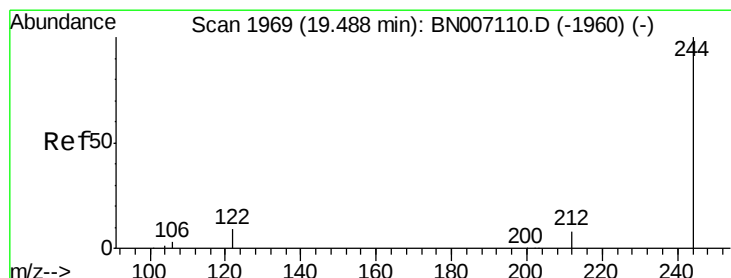
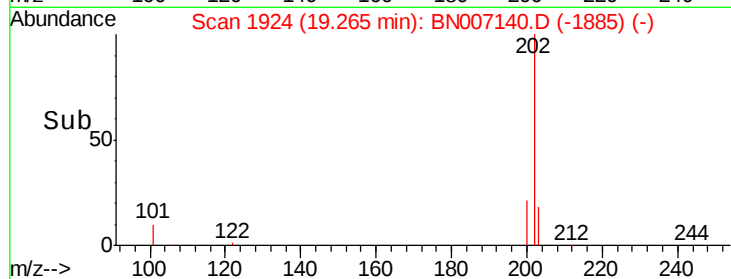
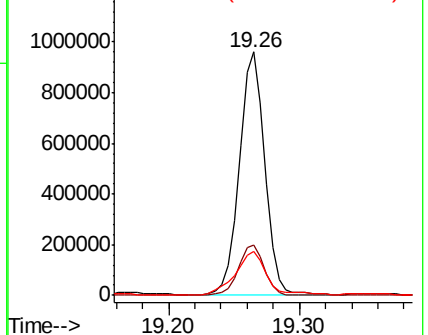
203 20.8 14.0 21.0



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: 0.280 ng

RT: 19.49 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

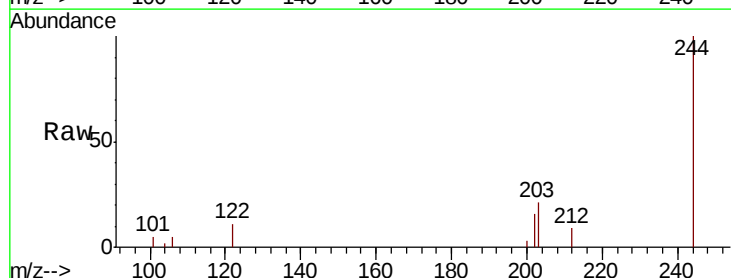
Tgt Ion:244 Resp: 36229

Ion Ratio Lower Upper

244 100

212 8.8 6.2 9.2

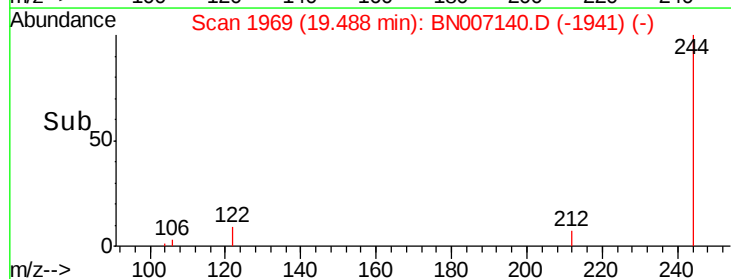
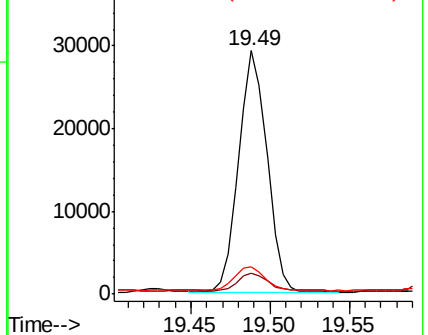
122 11.0 7.4 11.2

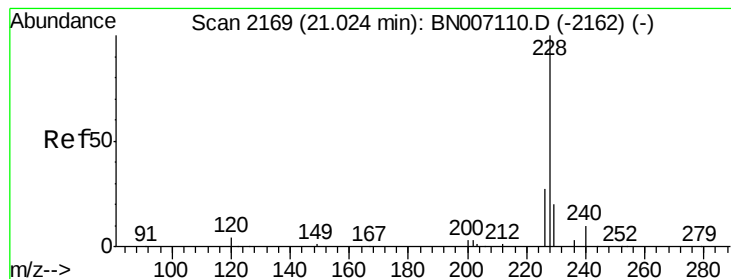


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Benzo(a)anthracene

Concen: 3.196 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

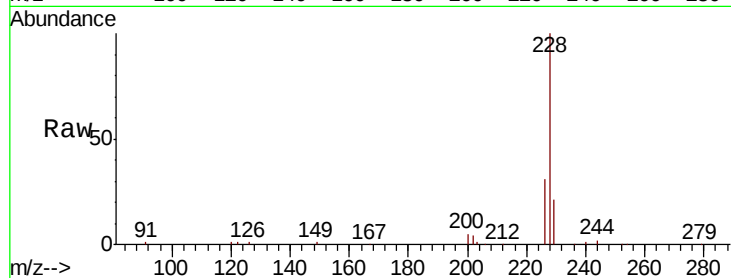
Instrument :

BNA_N

ClientSampled :

Tot Ion:228 Resp: 554827

Ion	Ratio	Lower	Upper
228	100		
226	30.8	21.8	32.6
229	21.2	15.6	23.4

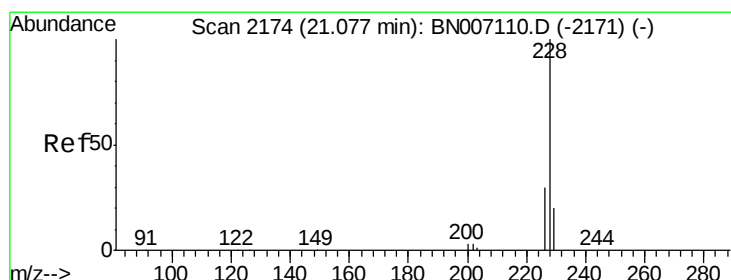
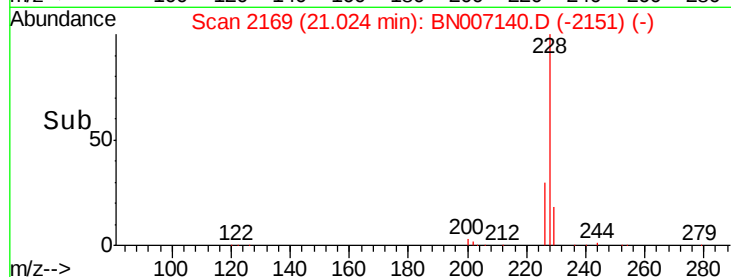
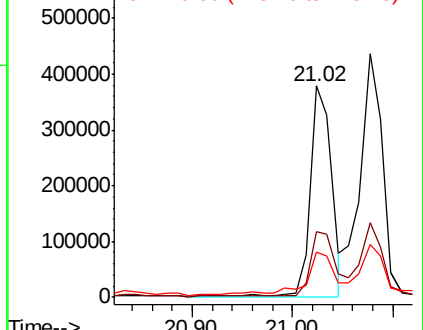


Abundance

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: 3.993 ng

RT: 21.08 min Scan# 2174

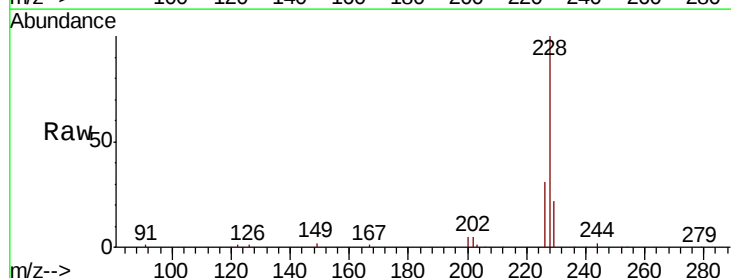
Delta R.T. -0.01 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

Tgt Ion:228 Resp: 673411

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.8	35.6
229	21.6	15.7	23.5

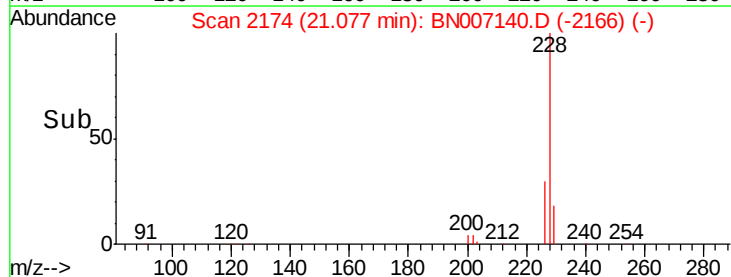
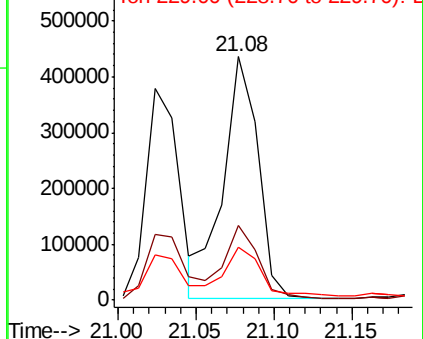


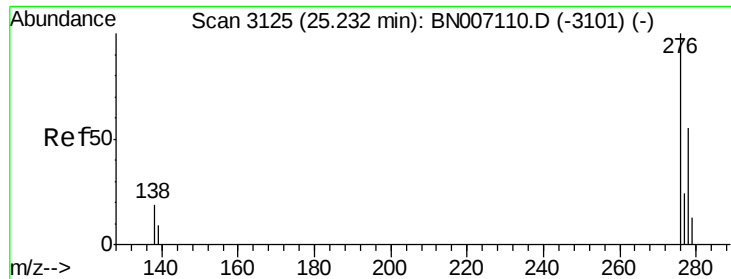
Abundance

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



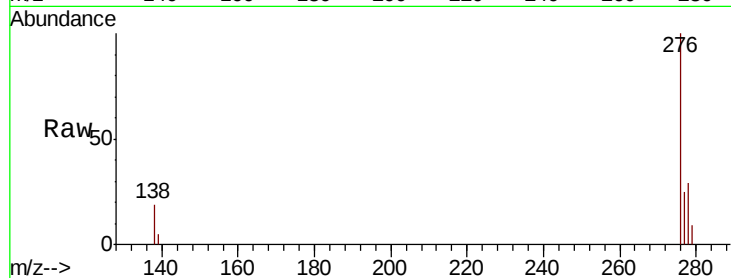


#31

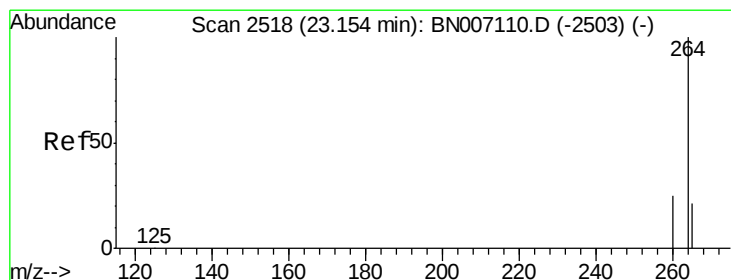
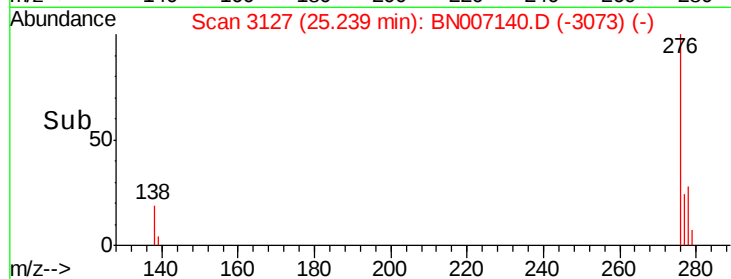
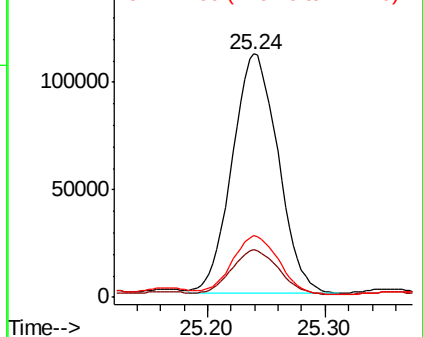
Indeno(1,2,3-cd)pyrene
Concen: 1.612 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.2	16.0	24.0
277	25.0	19.9	29.9



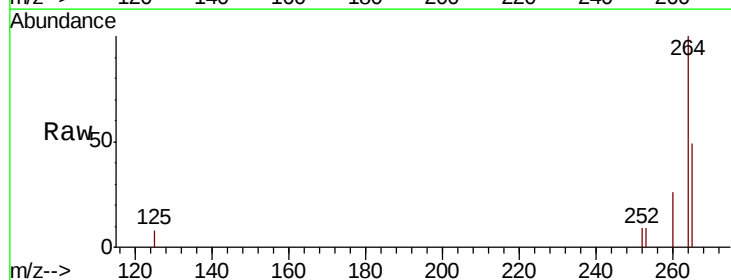
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



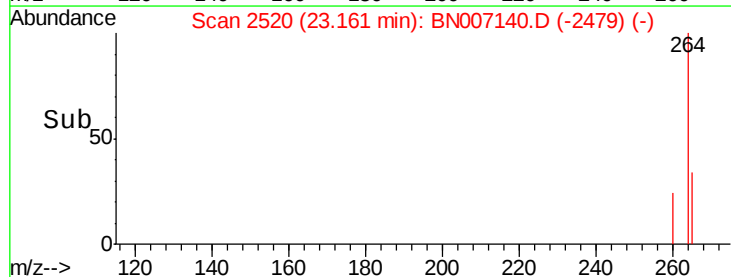
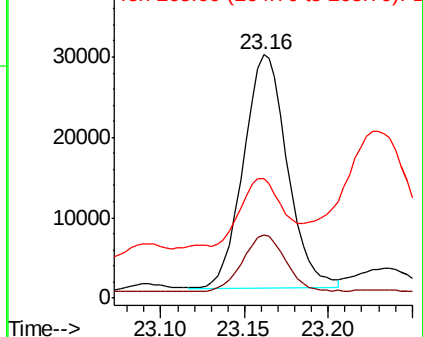
#32

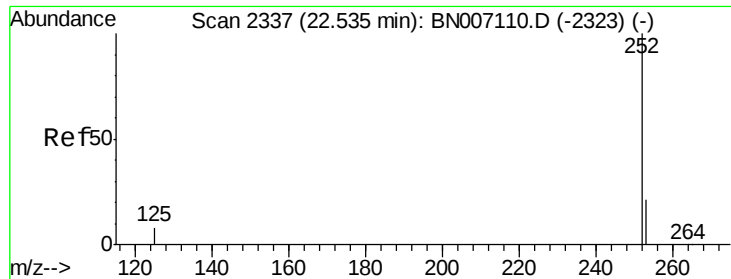
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.1	19.8	29.8
265	49.1	26.2	39.4



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 2.982 ng

RT: 22.54 min Scan# 2339

Delta R.T. -0.01 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

Instrument :

BNA_N

ClientSampleId :

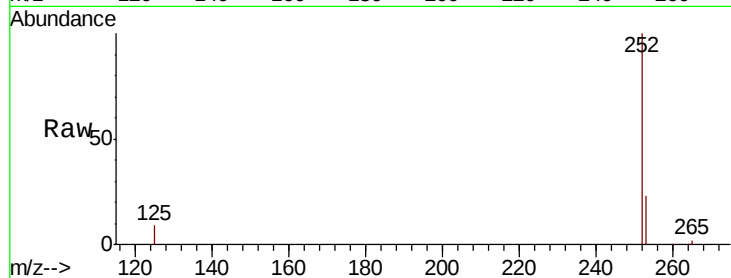
Tot Ion:252 Resp: 548244

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.2

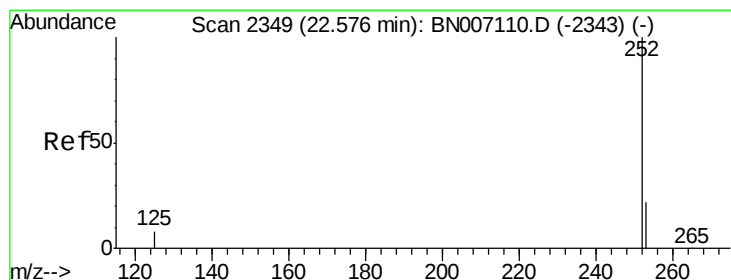
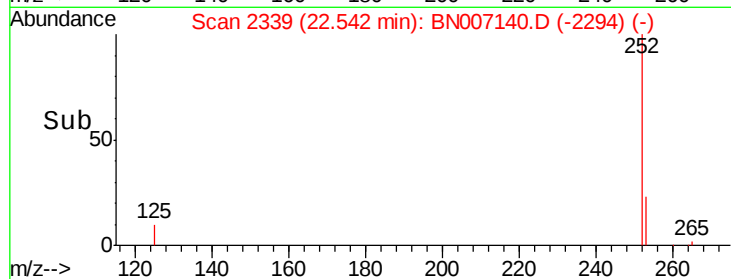
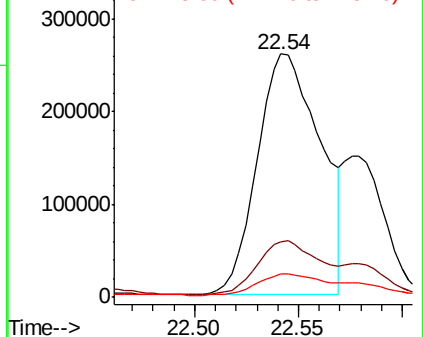
125 9.4 7.4 11.0



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: 3.019 ng

RT: 22.54 min Scan# 2339

Delta R.T. -0.05 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

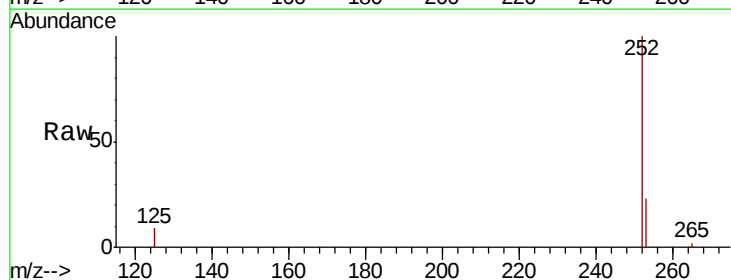
Tgt Ion:252 Resp: 548244

Ion Ratio Lower Upper

252 100

253 23.0 18.1 27.1

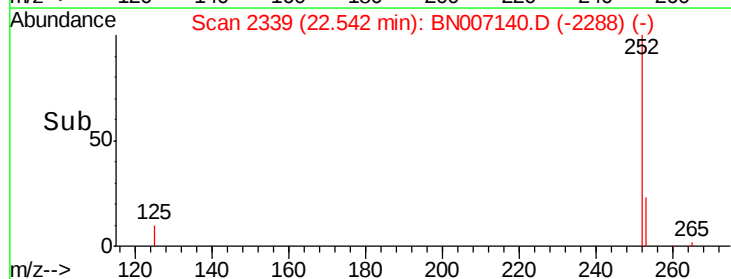
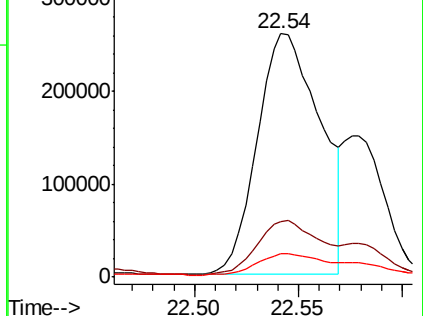
125 9.4 7.4 11.0

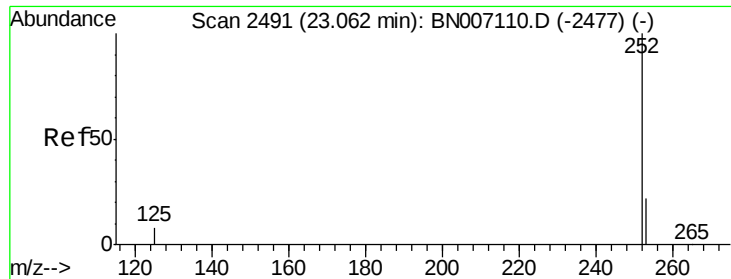


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 2.811 ng

RT: 23.07 min Scan# 2494

Delta R.T. -0.01 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

Instrument :

BNA_N

ClientSampleId :

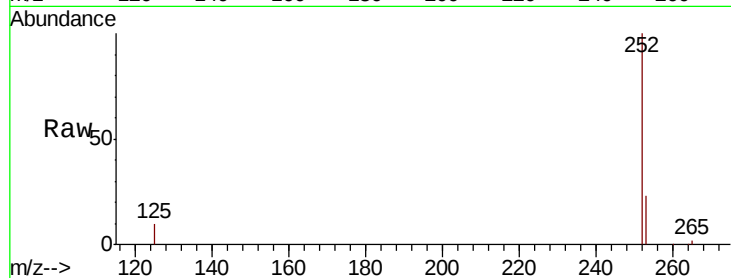
Tot Ion:252 Resp: 468485

Ion Ratio Lower Upper

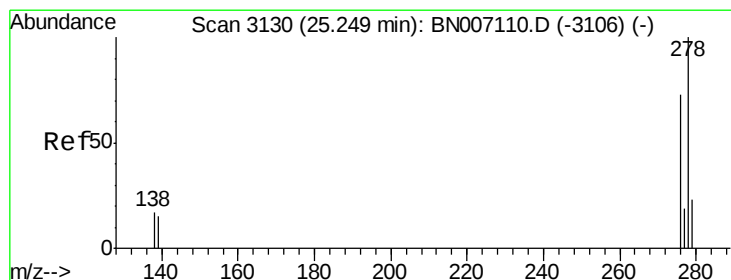
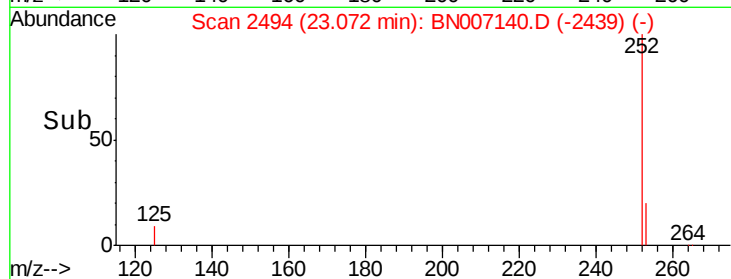
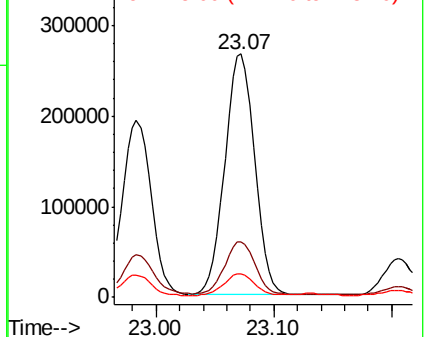
252 100

253 22.7 18.5 27.7

125 9.6 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: 0.733 ng

RT: 25.26 min Scan# 3132

Delta R.T. -0.02 min

Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

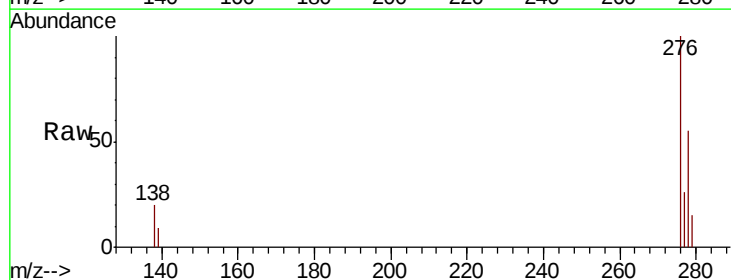
Tgt Ion:278 Resp: 121975

Ion Ratio Lower Upper

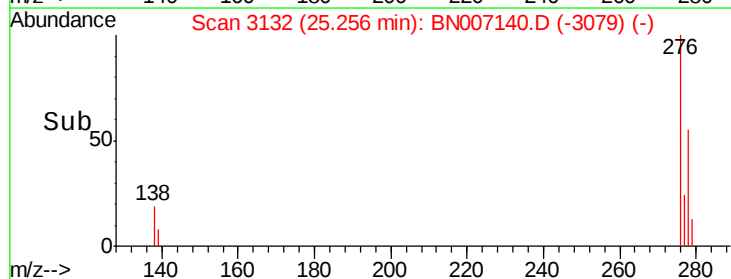
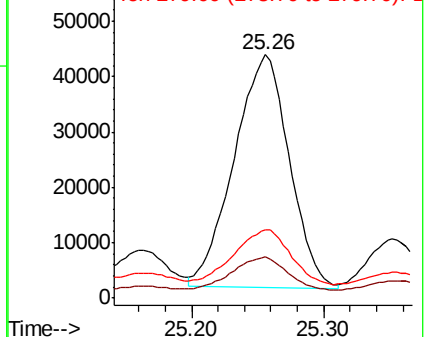
278 100

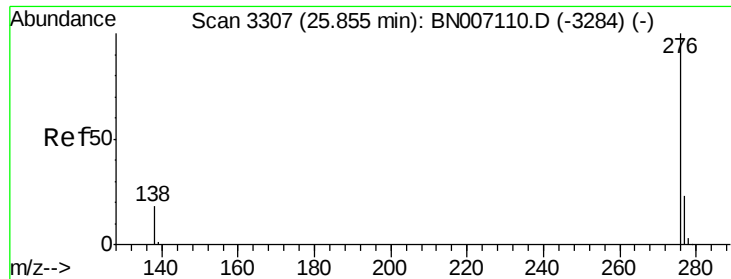
139 16.9 11.3 16.9

279 28.2 19.3 28.9



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





#37

Benzo(a,h,i)perylene

Concen: 1.958 ng

RT: 25.87 min Scan# 3312

Delta R.T. -0.01 min

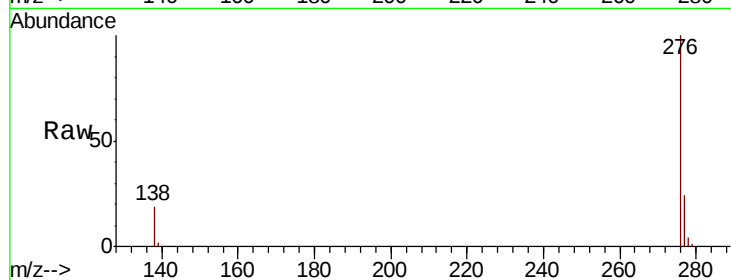
Lab File: BN007140.D

Acq: 13 Aug 2019 20:07

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 334873

Ion Ratio Lower Upper

276 100

277 24.5 19.8 29.8

138 19.0 14.6 22.0

