

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN103018\
 Data File : BN003356.D
 Acq On : 30 Oct 2018 12:03
 Operator : MJ/SJ
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 30 18:14:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN102618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 16:15:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	16958	0.40	ng	0.00
7) Naphthalene-d8	10.66	136	72018	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	42289	0.40	ng	-0.01
19) Phenanthrene-d10	17.23	188	99481	0.40	ng	-0.01
27) Chrysene-d12	21.42	240	109514	0.40	ng	0.00
34) Perylene-d12	23.73	264	91155	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.42	112	15731	0.37	ng	0.00
5) Phenol-d6	7.01	99	19760	0.37	ng	0.00
8) Nitrobenzene-d5	9.02	82	15549	0.49	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	45202	0.39	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	6444	0.38	ng	-0.01
15) 2-Fluorobiphenyl	13.11	172	68796	0.38	ng	-0.02
25) Fluoranthene-d10	19.26	212	104480	0.36	ng	0.00
29) Terphenyl-d14	19.86	244	97311	0.38	ng	0.00

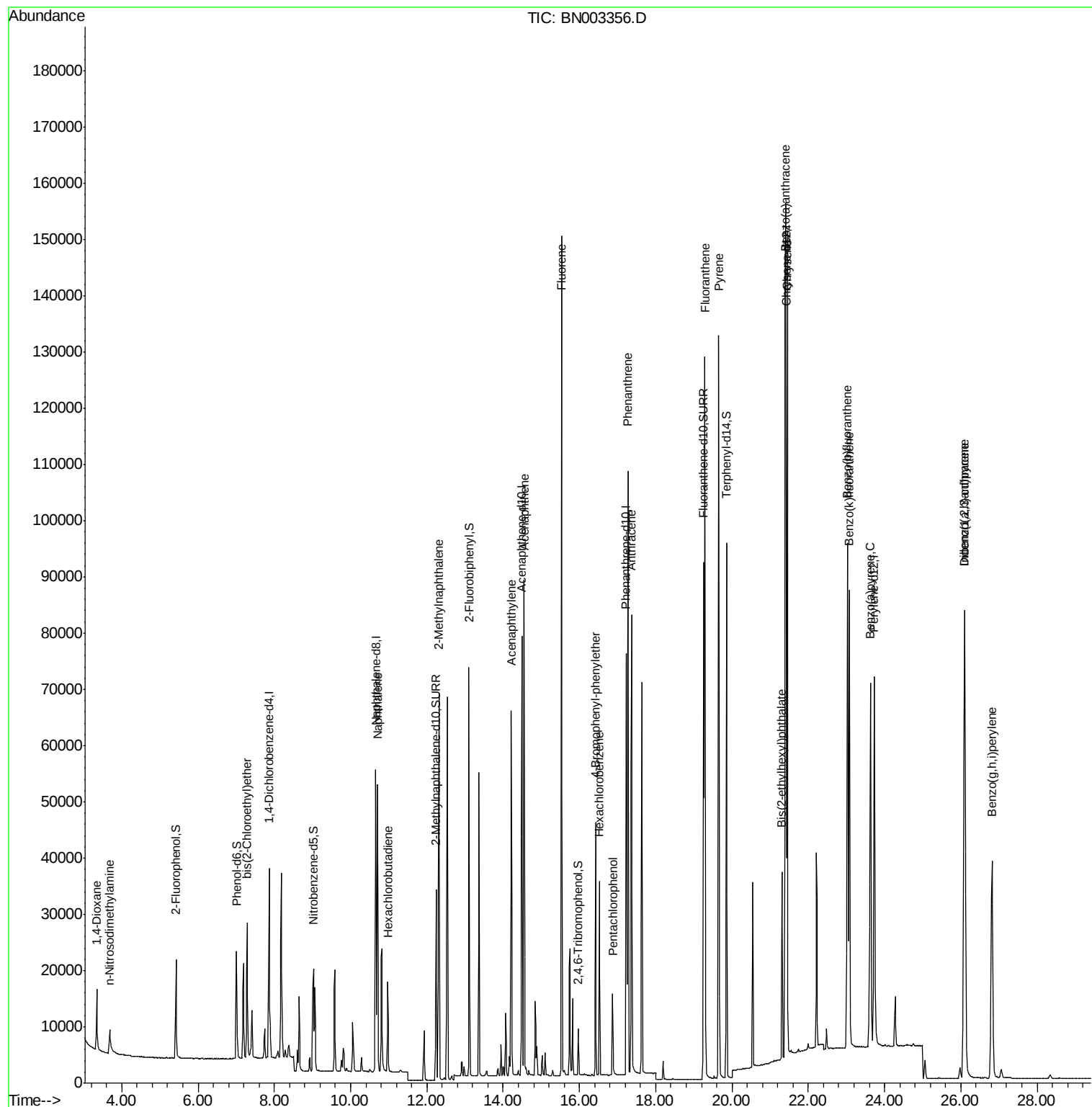
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.34	88	8056	0.367	ng	97
3) n-Nitrosodimethylamine	3.67	42	4266	0.422	ng	# 91
6) bis(2-Chloroethyl)ether	7.28	93	19397	0.410	ng	99
9) Naphthalene	10.71	128	68340	0.388	ng	99
10) Hexachlorobutadiene	10.97	225	12526	0.389	ng	# 100
12) 2-Methylnaphthalene	12.31	142	47585	0.386	ng	98
16) Acenaphthylene	14.21	152	68767	0.365	ng	100
17) Acenaphthene	14.56	154	50529	0.387	ng	100
18) Fluorene	15.54	166	61567	0.377	ng	100
20) 4-Bromophenyl-phenylether	16.42	248	22390	0.389	ng	# 74
21) Hexachlorobenzene	16.53	284	24791	0.408	ng	99
22) Pentachlorophenol	16.88	266	7572	0.460	ng	96
23) Phenanthrene	17.27	178	106375	0.390	ng	100
24) Anthracene	17.37	178	85041	0.363	ng	100
26) Fluoranthene	19.29	202	115455	0.368	ng	100
28) Pyrene	19.65	202	117639	0.389	ng	100
30) Benzo(a)anthracene	21.40	228	103115	0.359	ng	99
31) Chrysene	21.45	228	113402	0.366	ng	98
32) Bis(2-ethylhexyl)phthalate	21.31	149	30757	0.362	ng	99
33) Indeno(1,2,3-cd)pyrene	26.09	276	103664	0.323	ng	99
35) Benzo(b)fluoranthene	23.03	252	112727	0.396	ng	# 94
36) Benzo(k)fluoranthene	23.08	252	108308	0.384	ng	100
37) Benzo(a)pyrene	23.63	252	100086	0.387	ng	# 91
38) Dibenzo(a,h)anthracene	26.10	278	86465	0.359	ng	99
39) Benzo(g,h,i)perylene	26.82	276	83716	0.347	ng	99

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

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Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :

Quant Time: Oct 30 18:14:12 2018
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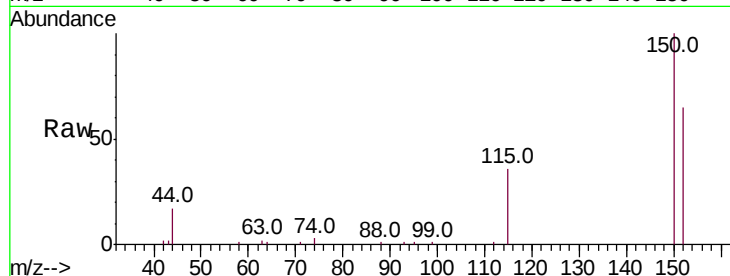


#1

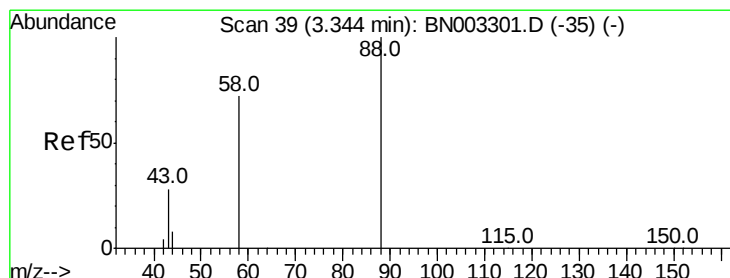
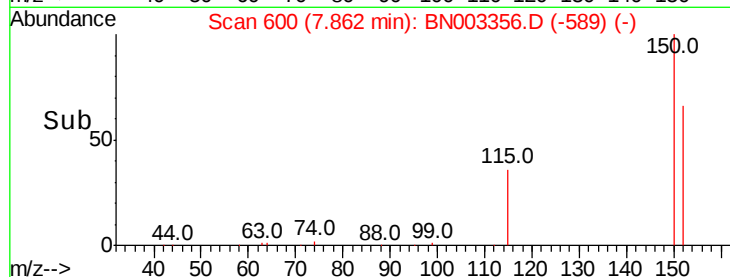
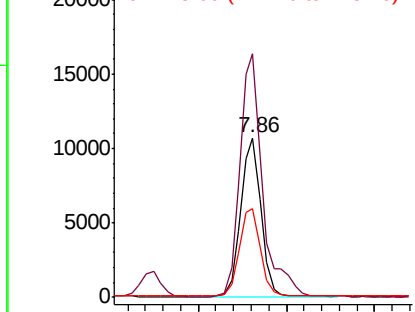
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 600
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Instrument :
BNA_N
ClientSampled :

Tot Ion:152 Resp: 16958
Ion Ratio Lower Upper
152 100
150 152.8 124.6 187.0
115 55.3 46.4 69.6



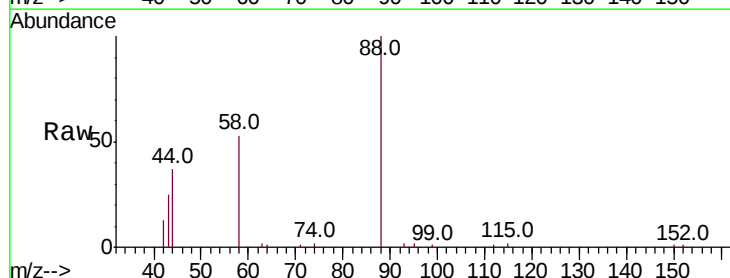
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



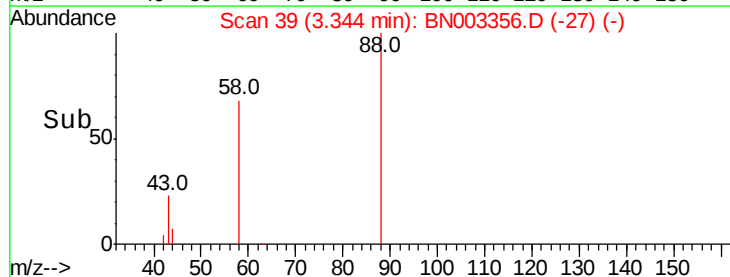
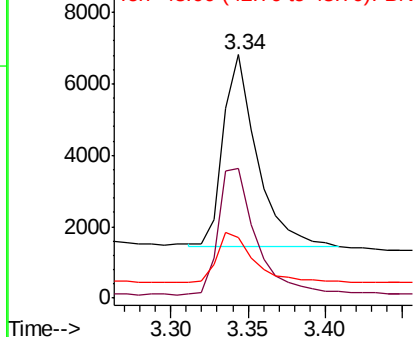
#2

1,4-Dioxane
Concen: 0.367 ng
RT: 3.34 min Scan# 39
Delta R.T. 0.00 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Tgt Ion: 88 Resp: 8056
Ion Ratio Lower Upper
88 100
58 74.3 60.9 91.3
43 27.7 23.9 35.9



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC



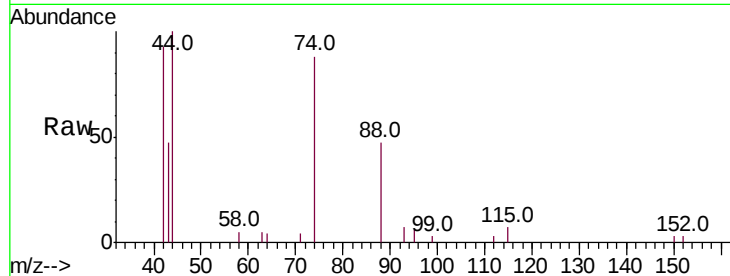


#3

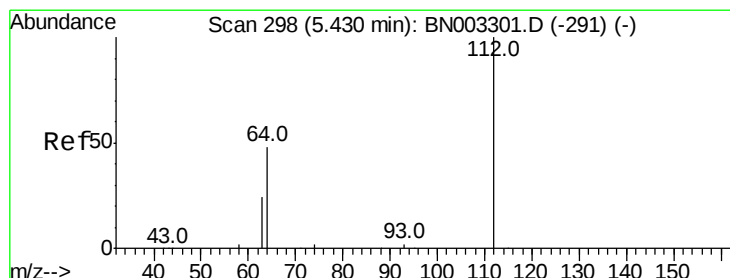
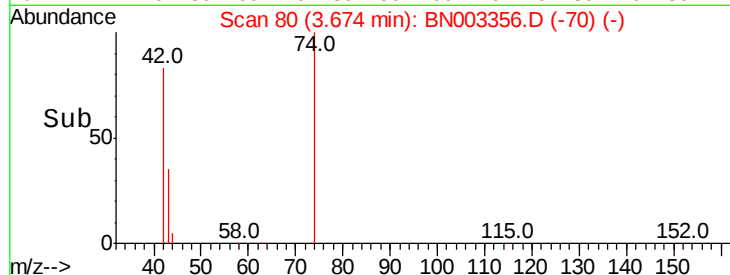
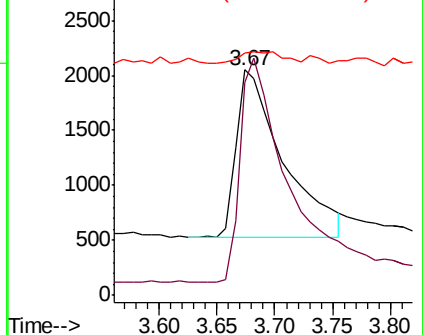
n-Nitrosodimethylamine
 Concen: 0.422 ng
 RT: 3.67 min Scan# 80
 Delta R.T. -0.02 min
 Lab File: BN003356.D
 Acq: 30 Oct 2018 12:03

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion: 42 Resp: 4266
 Ion Ratio Lower Upper
 42 100
 74 133.4 99.1 148.7
 44 0.0 4.2 6.4#



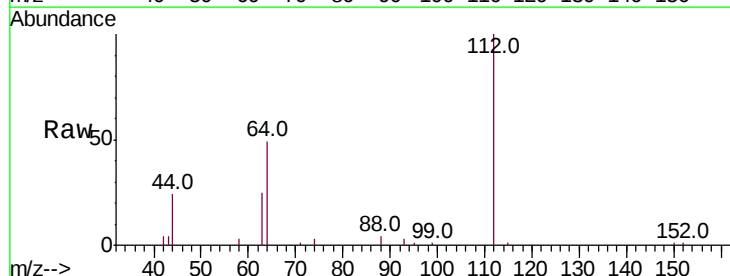
Abundance Ion 42.00 (41.70 to 42.70): BNC
 Ion 74.00 (73.70 to 74.70): BNC
 Ion 44.00 (43.70 to 44.70): BNC



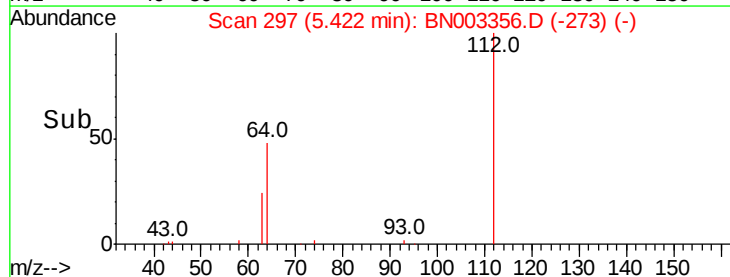
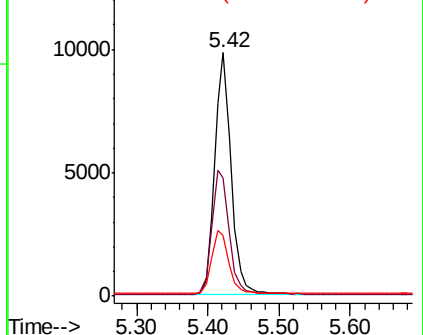
#4

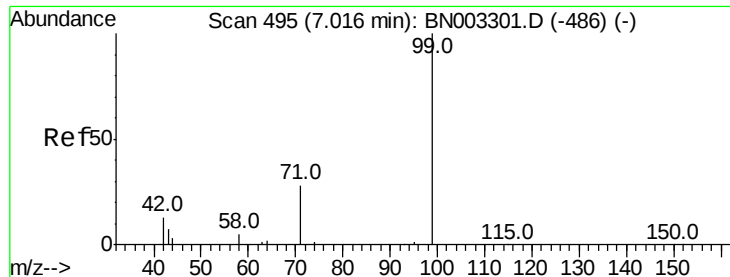
2-Fluorophenol
 Concen: 0.375 ng
 RT: 5.42 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: BN003356.D
 Acq: 30 Oct 2018 12:03

Tgt Ion: 112 Resp: 15731
 Ion Ratio Lower Upper
 112 100
 64 53.9 44.3 66.5
 63 27.1 22.4 33.6



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BNC
 Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.373 ng

RT: 7.01 min Scan# 494

Delta R.T. -0.01 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

Instrument :

BNA_N

ClientSampleId :

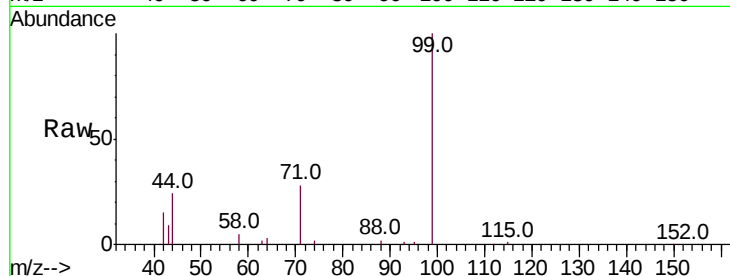
Tot Ion: 99 Resp: 19760

Ion Ratio Lower Upper

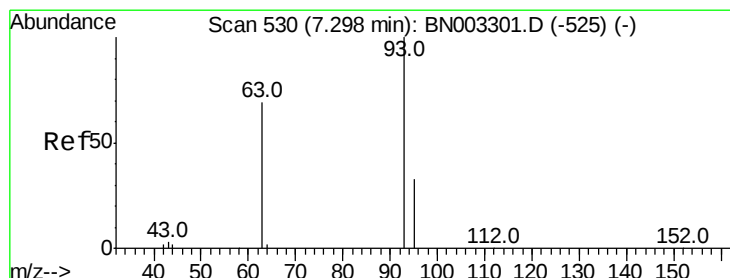
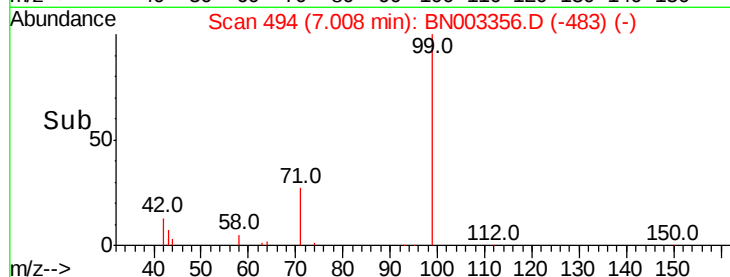
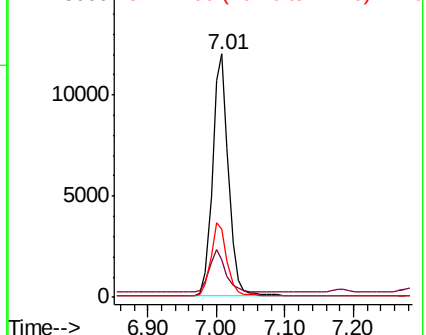
99 100

42 18.3 14.8 22.2

71 30.3 24.8 37.2



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



#6

bis(2-Chloroethyl)ether

Concen: 0.410 ng

RT: 7.28 min Scan# 528

Delta R.T. -0.02 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

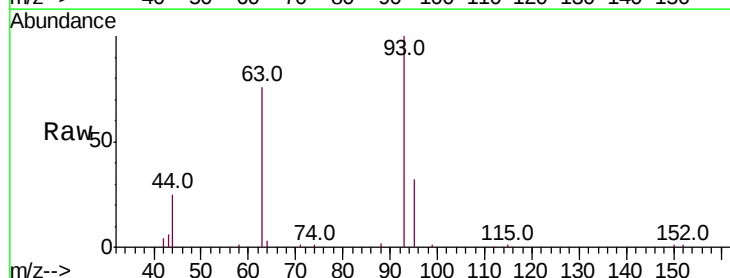
Tgt Ion: 93 Resp: 19397

Ion Ratio Lower Upper

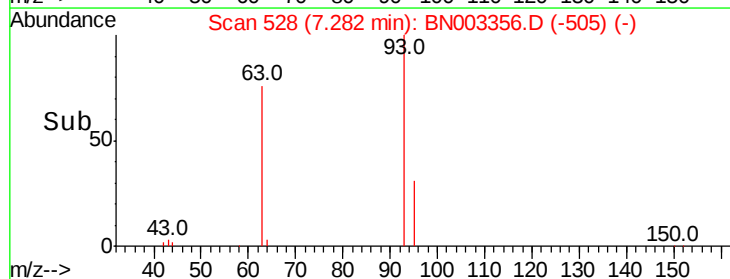
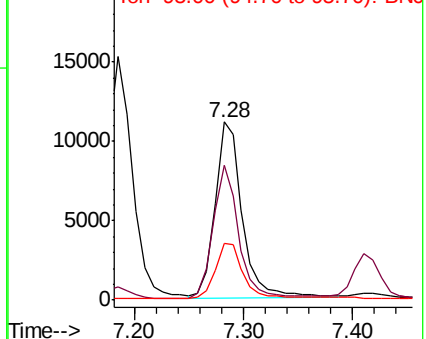
93 100

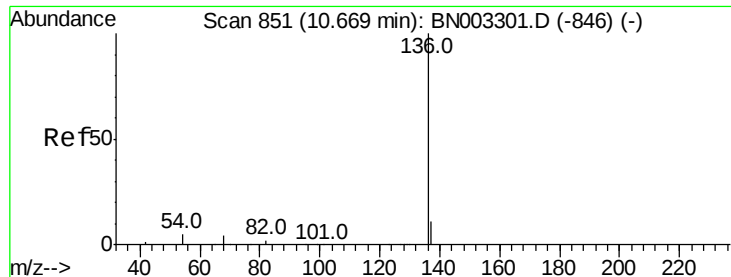
63 71.2 55.8 83.6

95 31.9 25.4 38.2



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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.66 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 72018

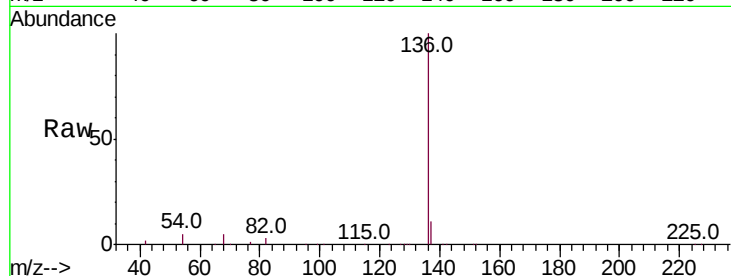
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 5.2 4.1 6.1

68 4.5 3.5 5.3

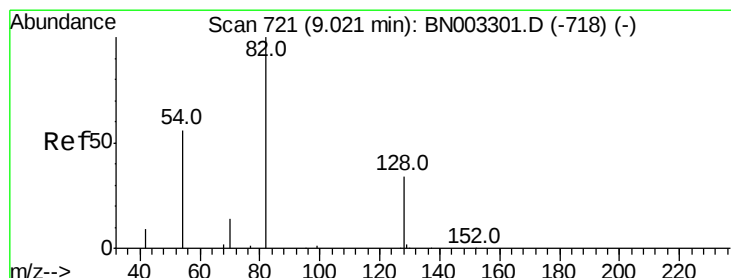
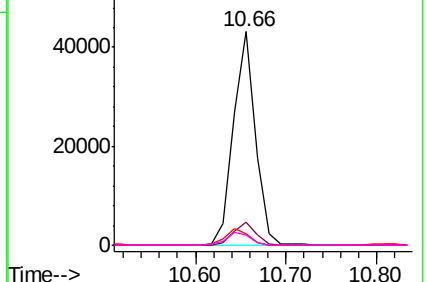
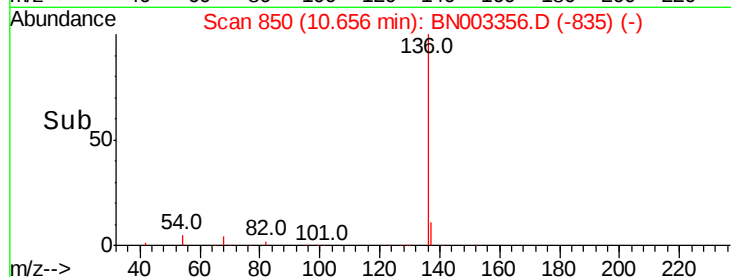


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.493 ng

RT: 9.02 min Scan# 721

Delta R.T. 0.00 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

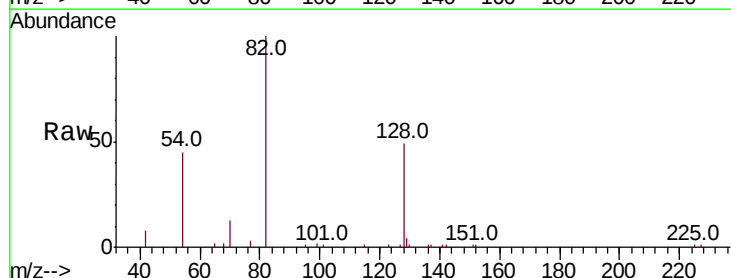
Tgt Ion: 82 Resp: 15549

Ion Ratio Lower Upper

82 100

128 48.9 28.9 43.3#

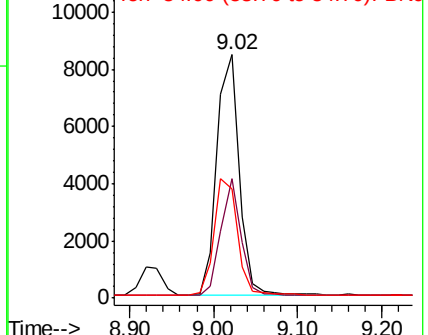
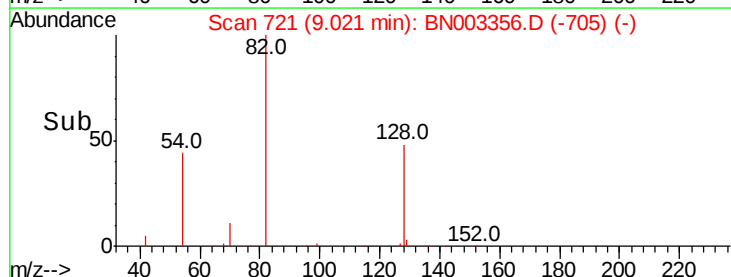
54 45.0 46.1 69.1#

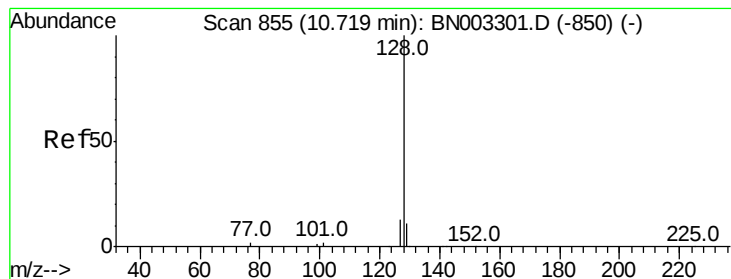


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.388 ng

RT: 10.71 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

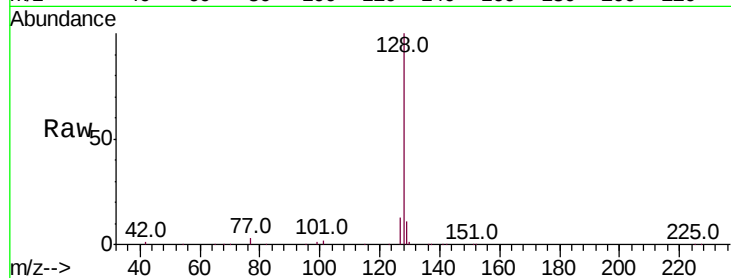
Instrument :

BNA_N

ClientSampleId :

Tot Ion:128 Resp: 68340

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.1	13.7
127	12.7	10.2	15.4

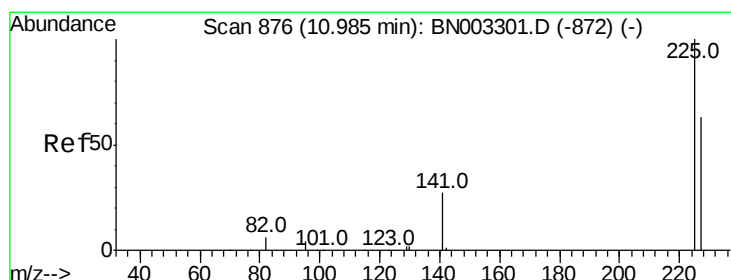
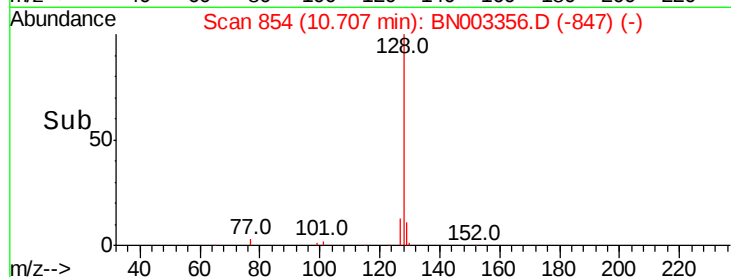
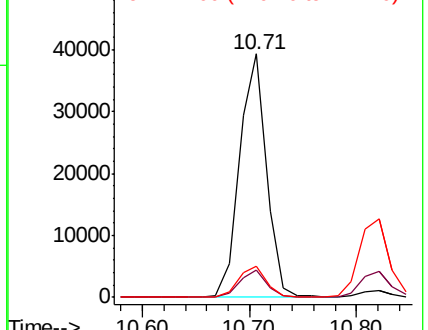


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.389 ng

RT: 10.97 min Scan# 875

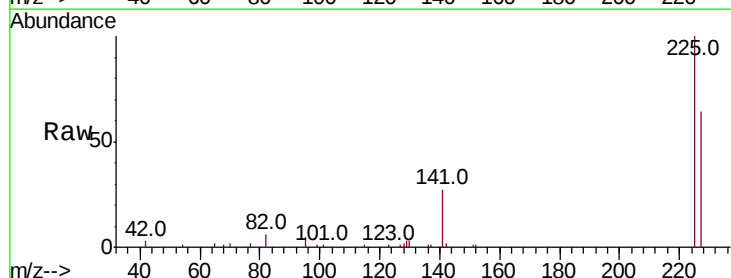
Delta R.T. -0.01 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

Tgt Ion:225 Resp: 12526

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.3	76.9

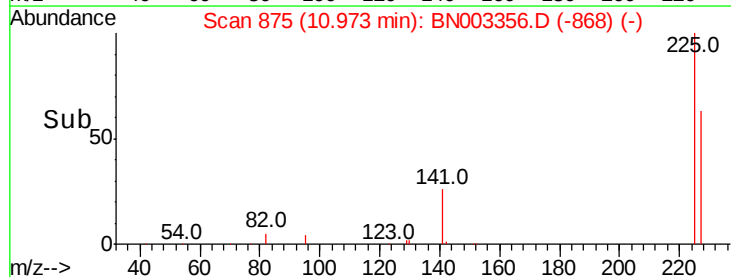
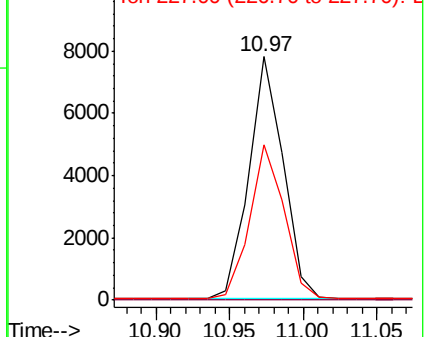


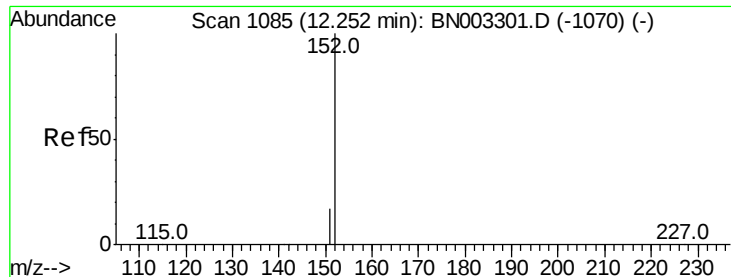
Abundance

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

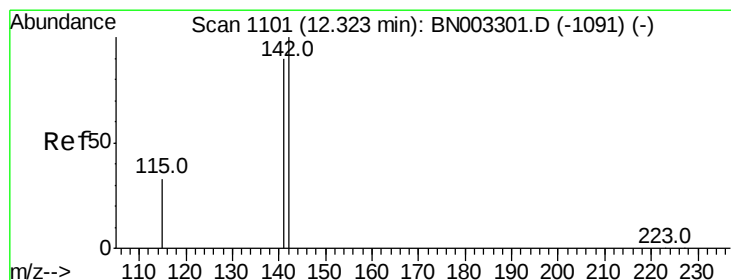
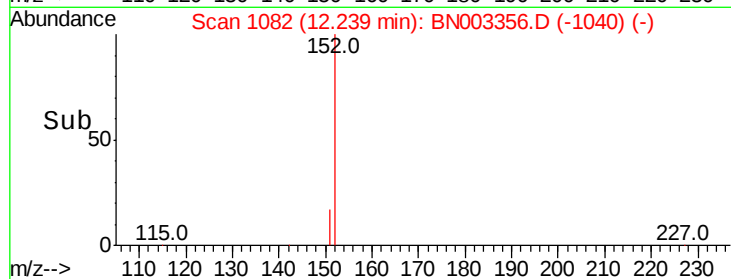
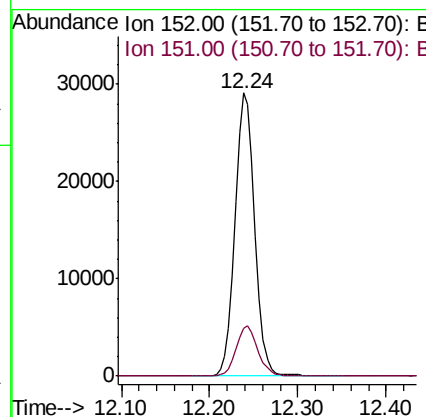
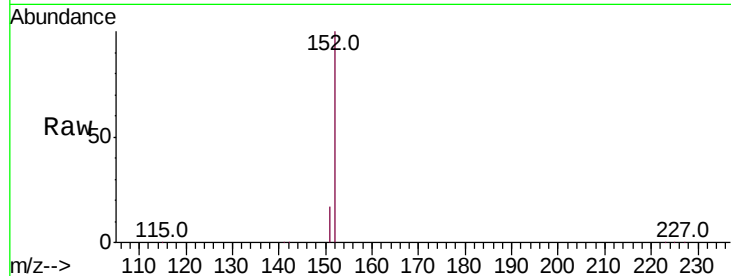




#11
 2-Methylnaphthalene-d10
 Concen: 0.386 ng
 RT: 12.24 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: BN003356.D
 Acq: 30 Oct 2018 12:03

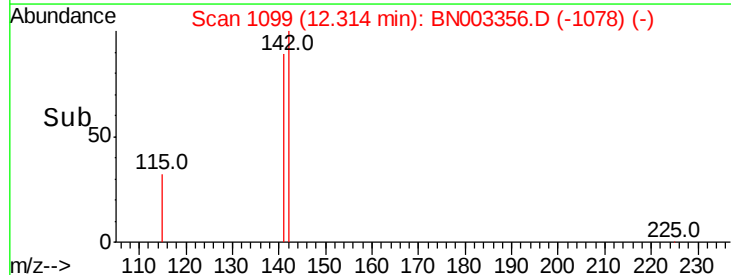
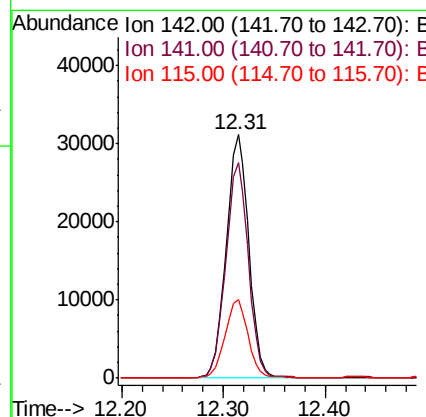
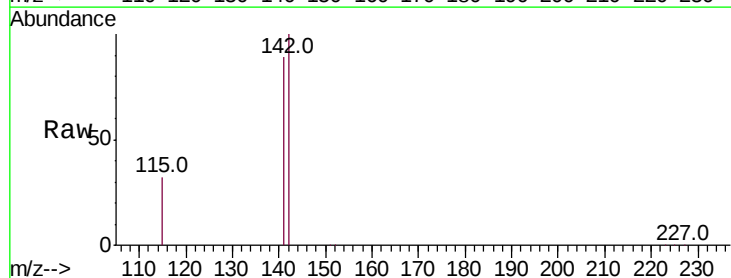
Instrument :
 BNA_N
 ClientSampleId :

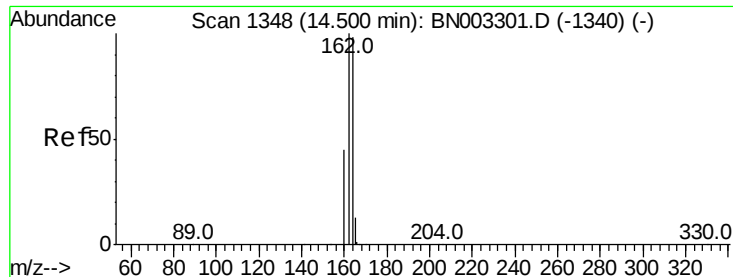
Tot Ion:152 Resp: 45202
 Ion Ratio Lower Upper
 152 100
 151 19.2 15.1 22.7



#12
 2-Methylnaphthalene
 Concen: 0.386 ng
 RT: 12.31 min Scan# 1099
 Delta R.T. -0.01 min
 Lab File: BN003356.D
 Acq: 30 Oct 2018 12:03

Tgt Ion:142 Resp: 47585
 Ion Ratio Lower Upper
 142 100
 141 88.6 71.9 107.9
 115 32.1 27.0 40.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

Instrument :

BNA_N

ClientSampleId :

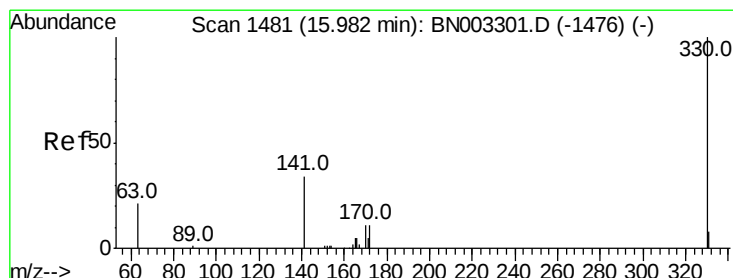
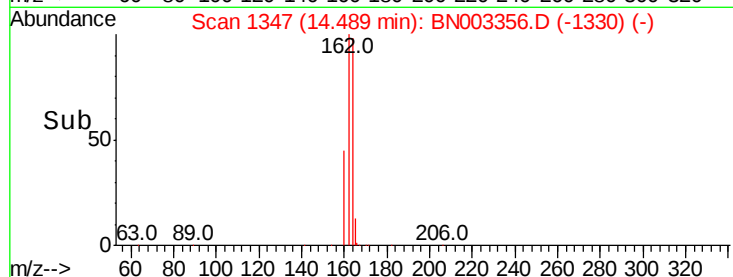
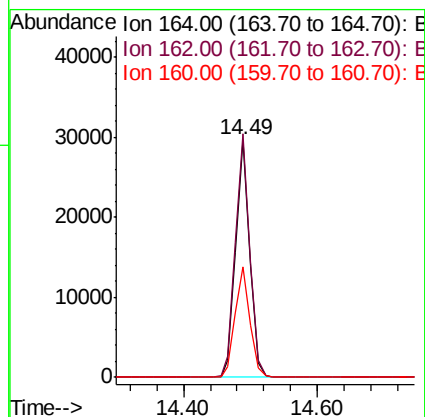
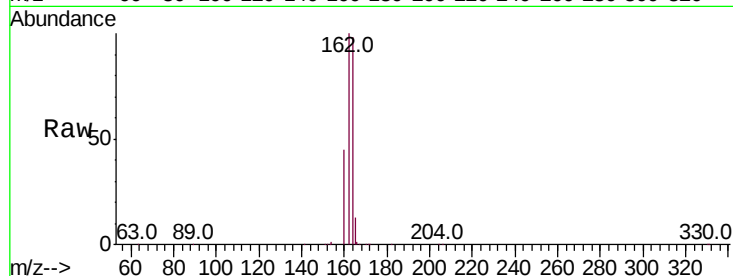
Tot Ion:164 Resp: 42289

Ion Ratio Lower Upper

164 100

162 102.4 81.8 122.6

160 46.3 37.2 55.8



#14

2,4,6-Tribromophenol

Concen: 0.383 ng

RT: 15.97 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

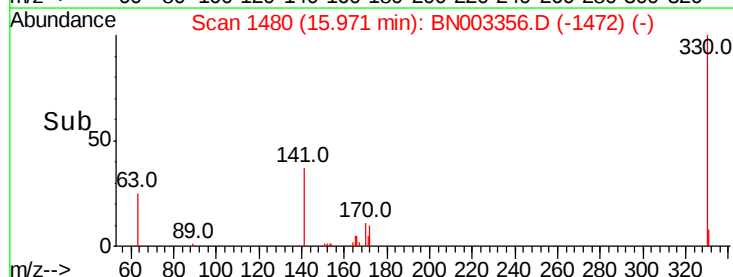
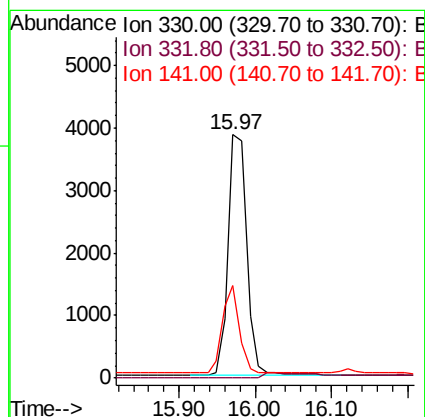
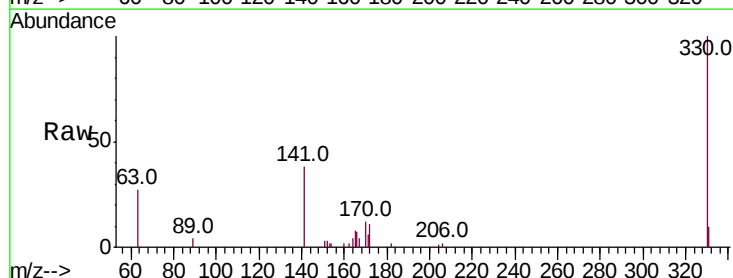
Tgt Ion:330 Resp: 6444

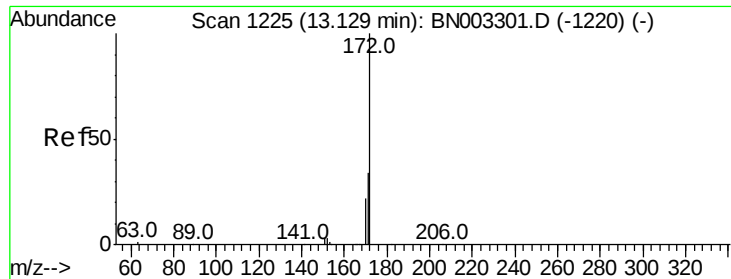
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 33.4 28.3 42.5

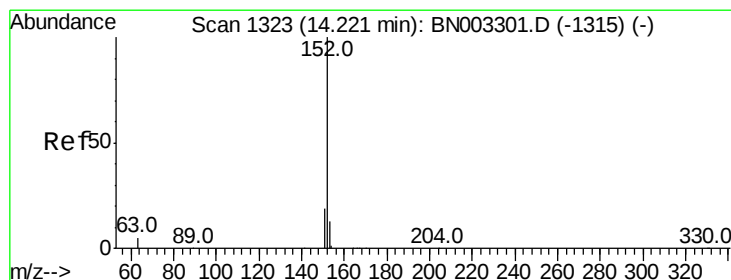
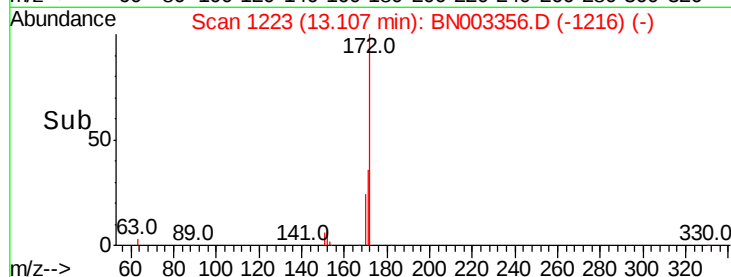
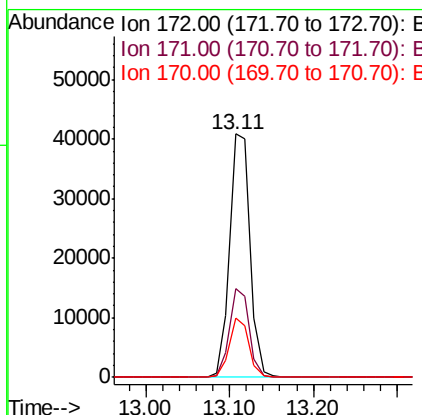
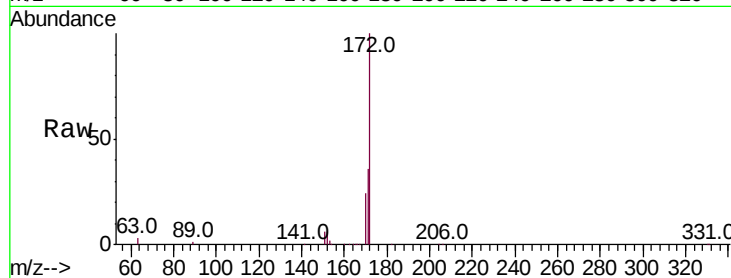




#15
 2-Fluorobiphenyl
 Concen: 0.378 ng
 RT: 13.11 min Scan# 1223
 Delta R.T. -0.02 min
 Lab File: BN003356.D
 Acq: 30 Oct 2018 12:03

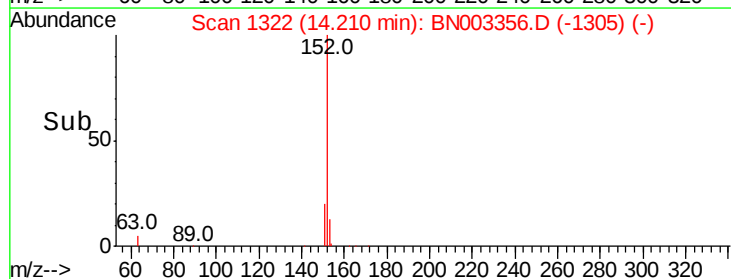
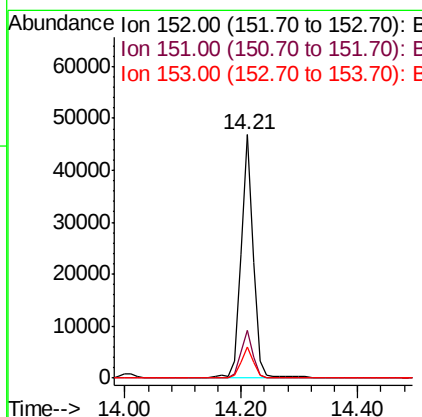
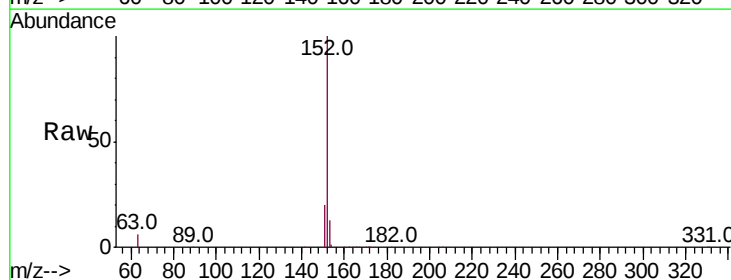
Instrument :
 BNA_N
 ClientSampleId :

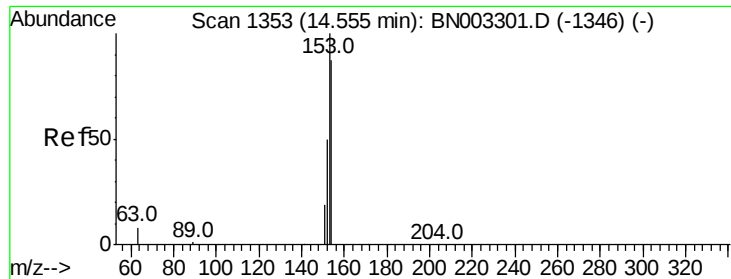
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	27.1	40.7
170	24.3	17.4	26.0



#16
 Acenaphthylene
 Concen: 0.365 ng
 RT: 14.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BN003356.D
 Acq: 30 Oct 2018 12:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.7	23.5
153	13.0	10.6	15.8





#17

Acenaphthene

Concen: 0.387 ng

RT: 14.56 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

Instrument :

BNA_N

ClientSampleId :

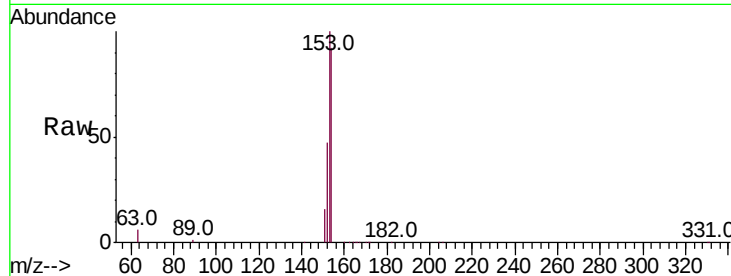
Tot Ion:154 Resp: 50529

Ion Ratio Lower Upper

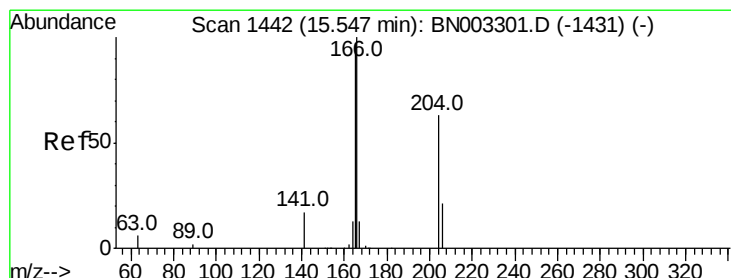
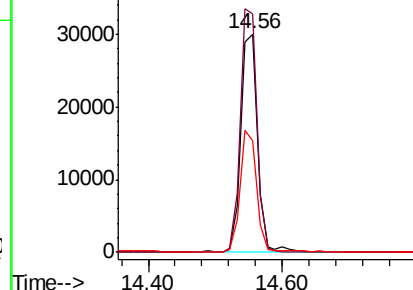
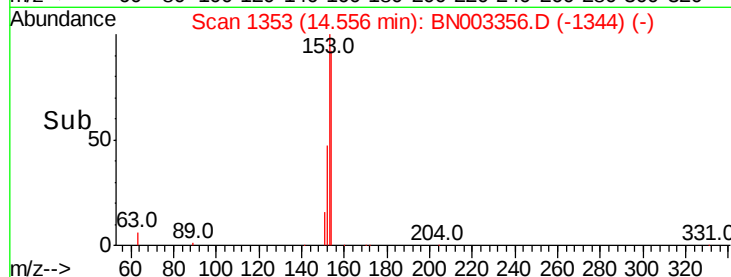
154 100

153 110.6 88.9 133.3

152 54.3 43.5 65.3



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



#18

Fluorene

Concen: 0.377 ng

RT: 15.54 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

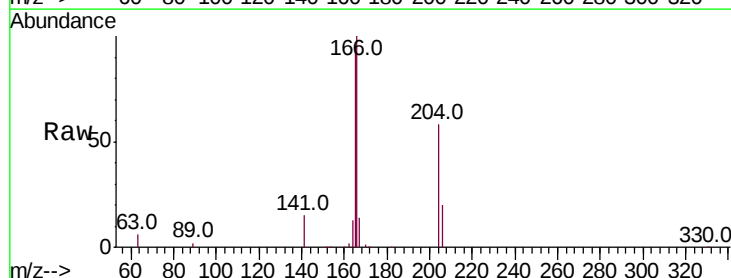
Tgt Ion:166 Resp: 61567

Ion Ratio Lower Upper

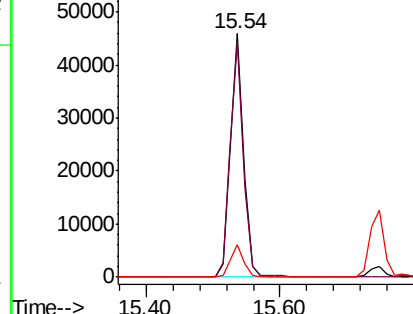
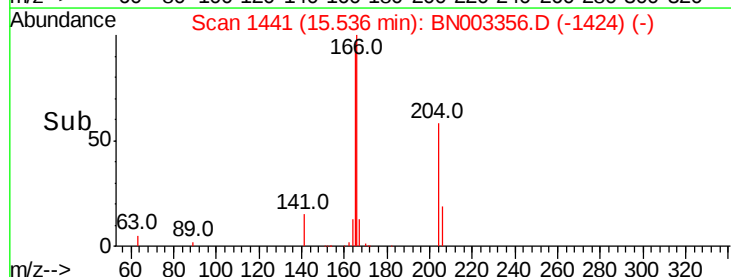
166 100

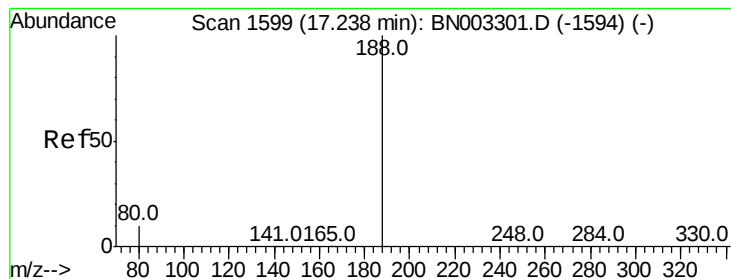
165 97.5 77.8 116.8

167 13.5 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

Instrument :

BNA_N

ClientSampleId :

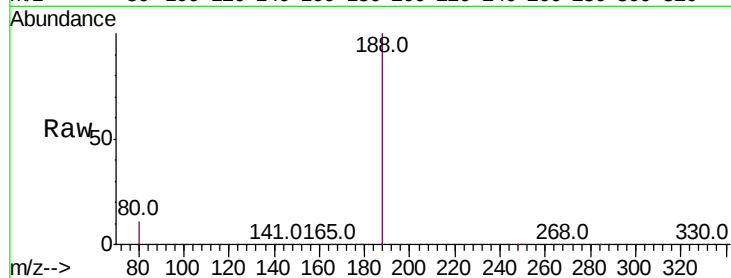
Tot Ion:188 Resp: 99481

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

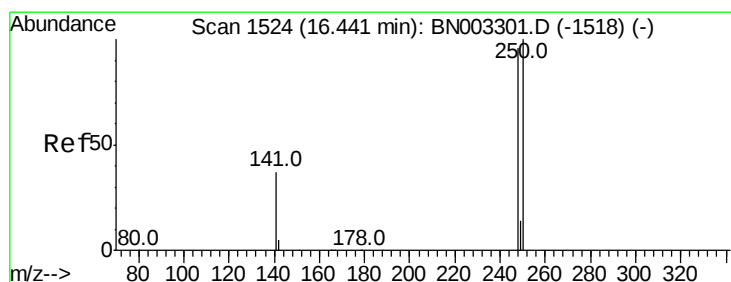
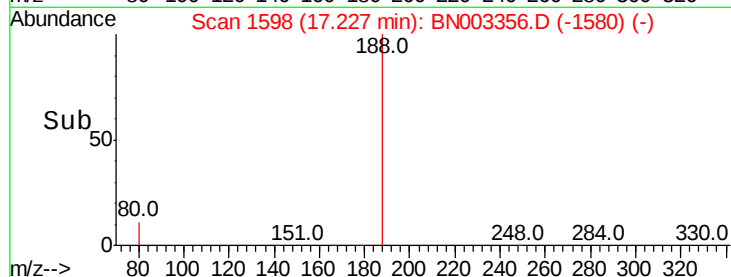
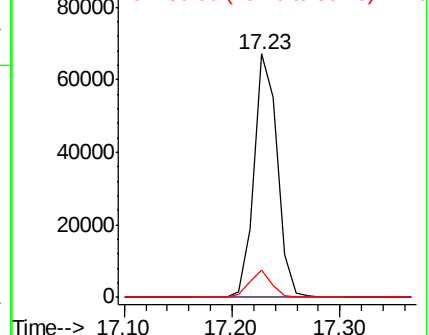
80 11.3 8.6 12.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4-Bromophenyl-phenylether

Concen: 0.389 ng

RT: 16.42 min Scan# 1522

Delta R.T. -0.02 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

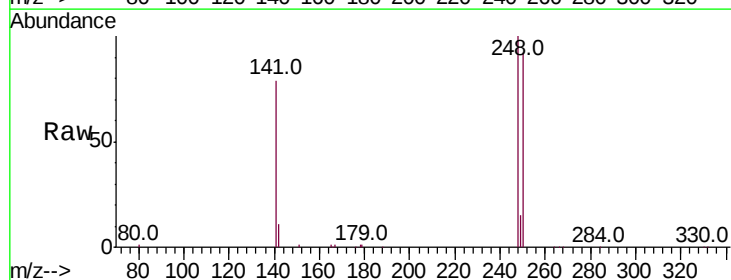
Tgt Ion:248 Resp: 22390

Ion Ratio Lower Upper

248 100

250 92.1 83.7 125.5

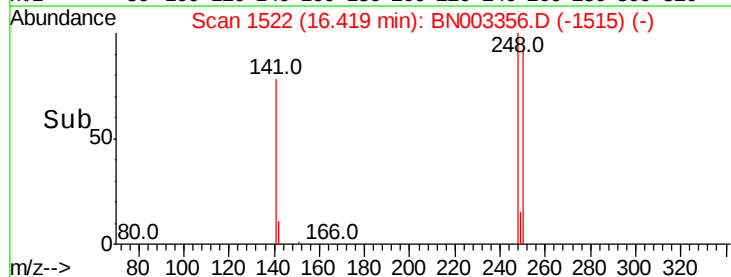
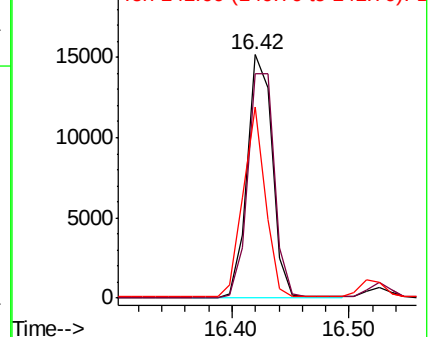
141 78.5 31.4 47.0#

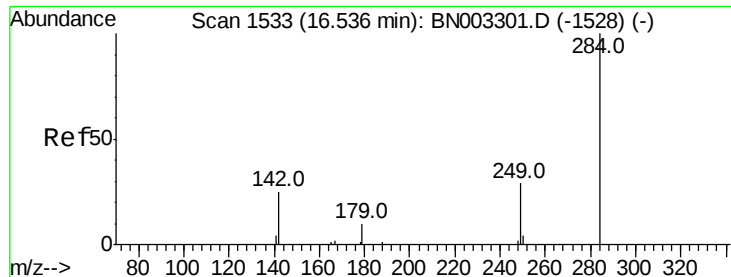


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.408 ng

RT: 16.53 min Scan# 1532

Delta R.T. -0.01 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

Instrument :

BNA_N

ClientSampleId :

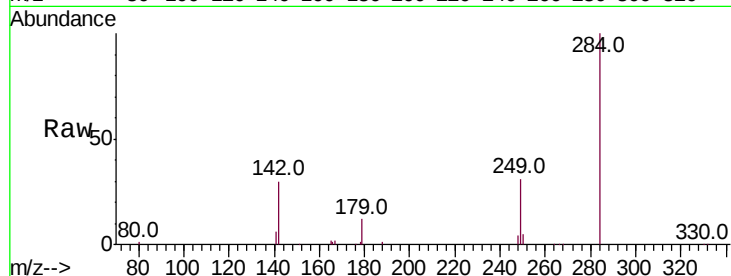
Tot Ion:284 Resp: 24791

Ion Ratio Lower Upper

284 100

142 35.8 29.7 44.5

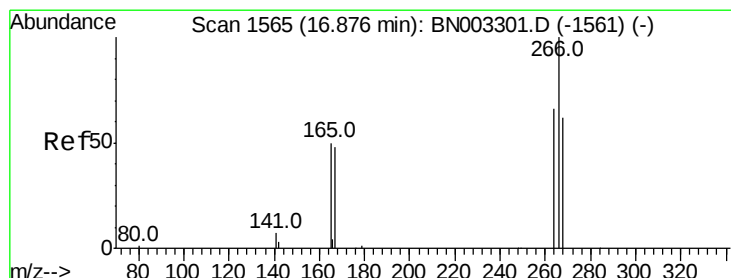
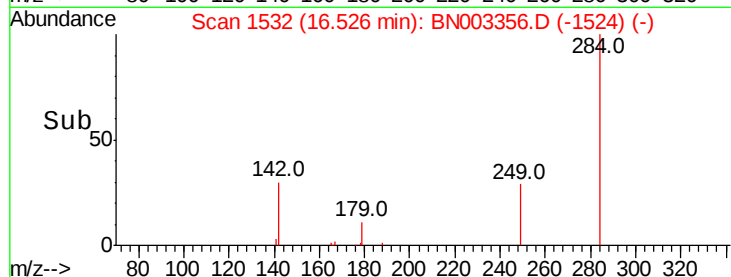
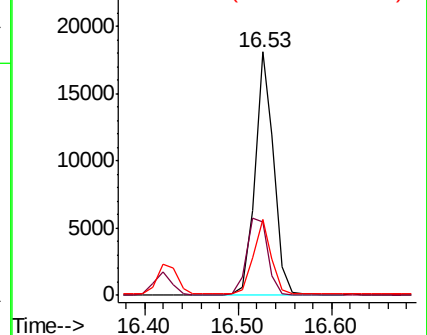
249 29.8 24.0 36.0



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



#22

Pentachlorophenol

Concen: 0.460 ng

RT: 16.88 min Scan# 1565

Delta R.T. 0.00 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

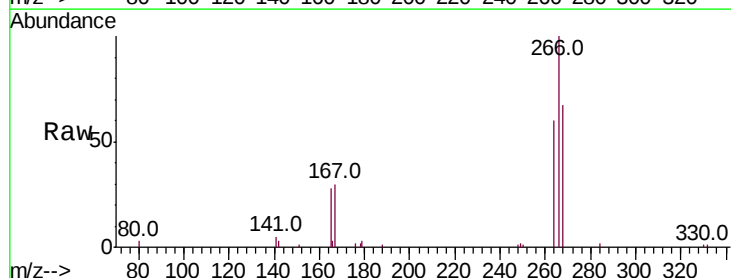
Tgt Ion:266 Resp: 7572

Ion Ratio Lower Upper

266 100

264 60.4 52.1 78.1

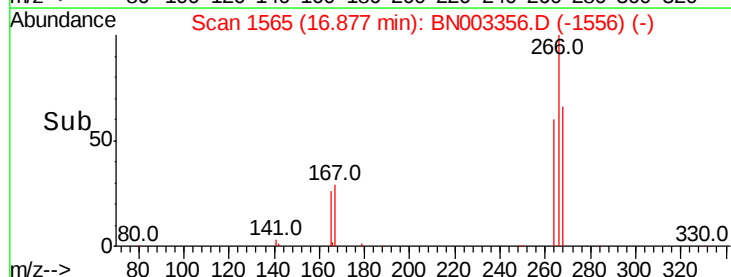
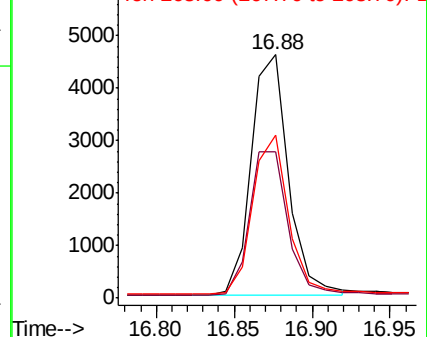
268 66.7 51.8 77.6

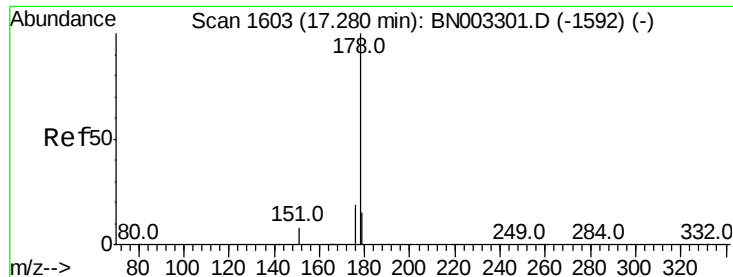


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.390 ng

RT: 17.27 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

Instrument :

BNA_N

ClientSampleId :

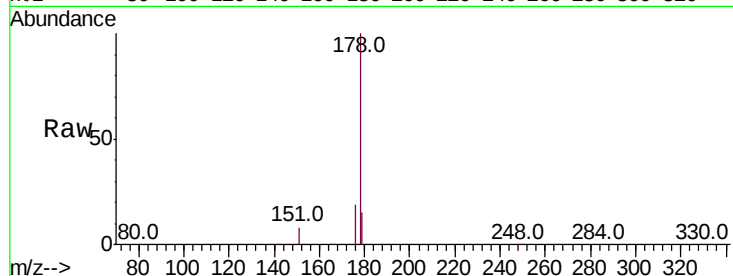
Tot Ion:178 Resp: 106375

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

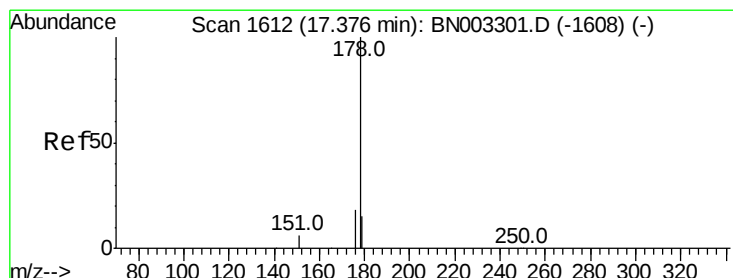
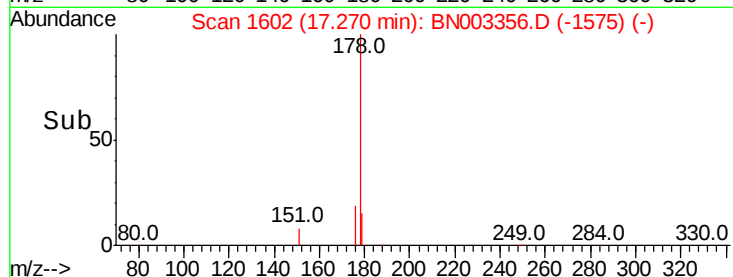
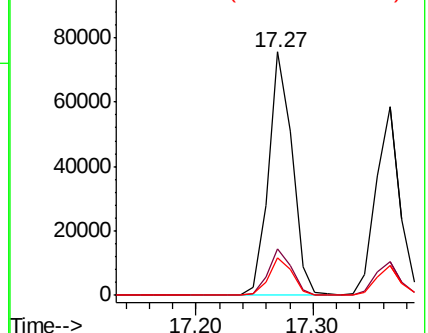
179 15.3 12.4 18.6



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

Anthracene

Concen: 0.363 ng

RT: 17.37 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

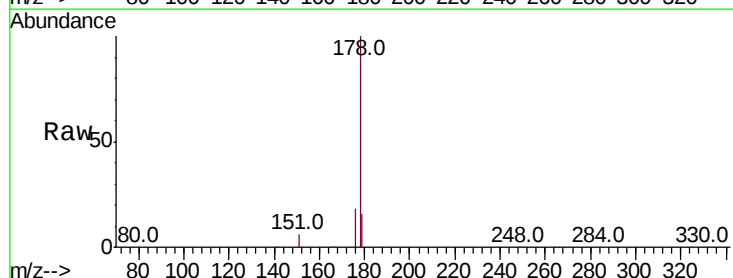
Tgt Ion:178 Resp: 85041

Ion Ratio Lower Upper

178 100

176 18.2 14.5 21.7

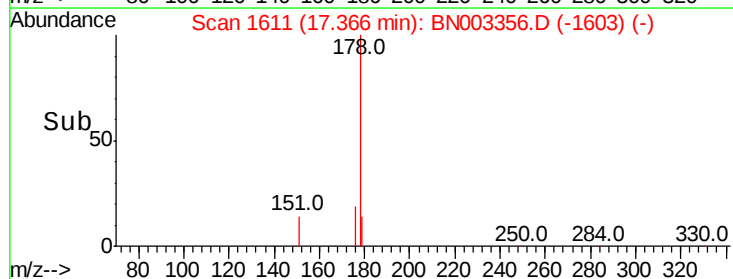
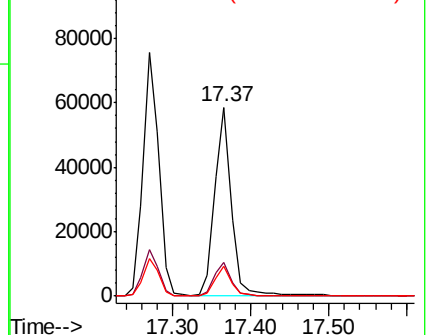
179 15.3 12.2 18.4

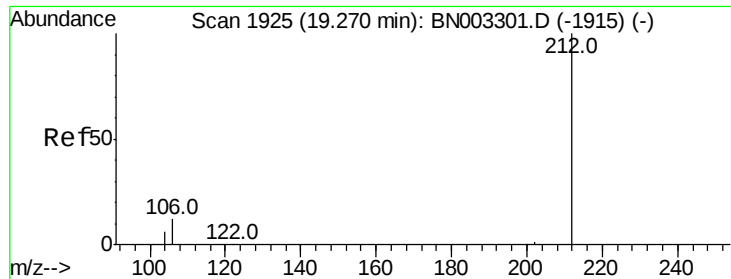


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.361 ng

RT: 19.26 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

Instrument :

BNA_N

ClientSampleId :

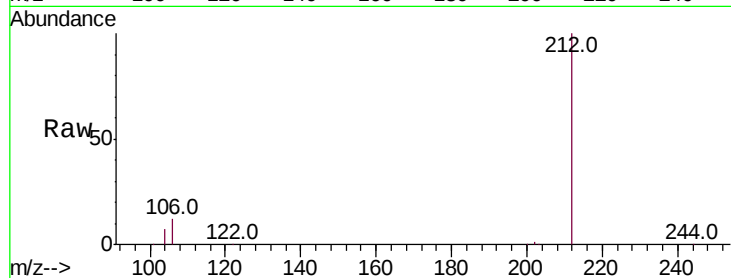
Tot Ion:212 Resp: 104480

Ion Ratio Lower Upper

212 100

106 12.9 10.3 15.5

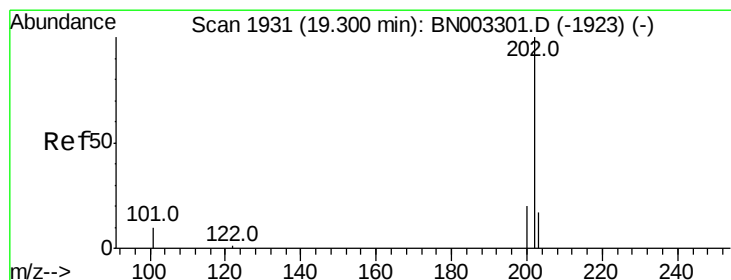
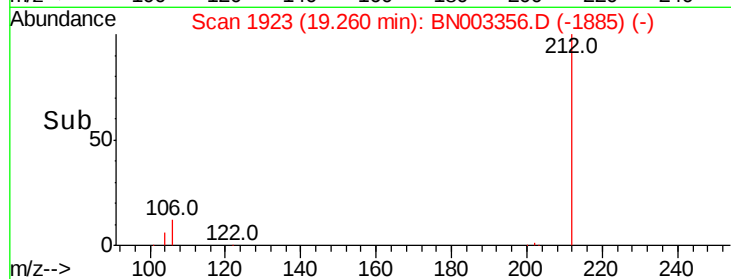
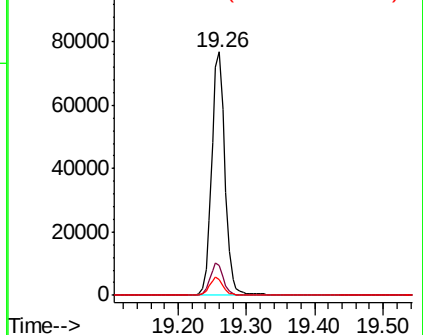
104 7.1 5.6 8.4



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



#26

Fluoranthene

Concen: 0.368 ng

RT: 19.29 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

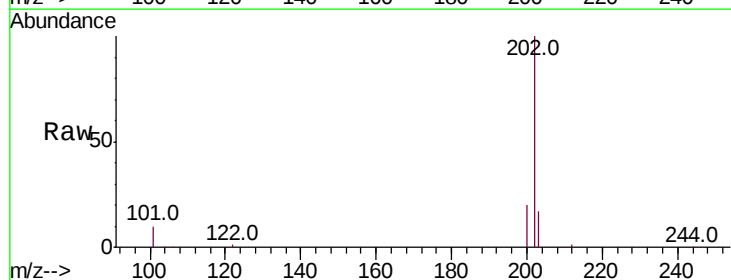
Tgt Ion:202 Resp: 115455

Ion Ratio Lower Upper

202 100

101 11.2 9.0 13.4

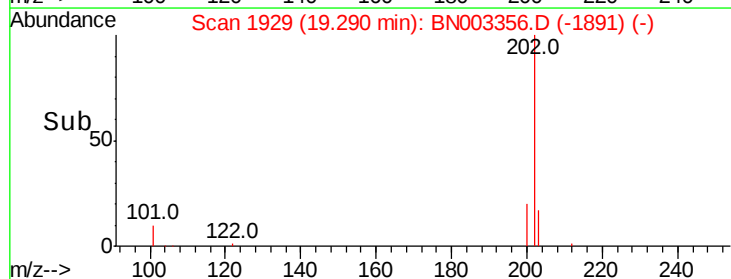
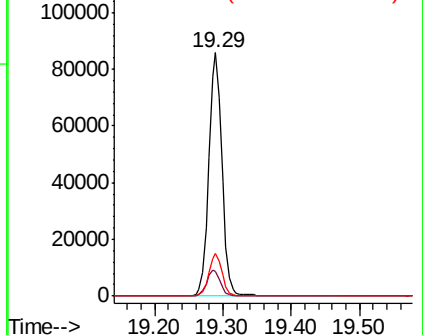
203 17.2 13.8 20.6

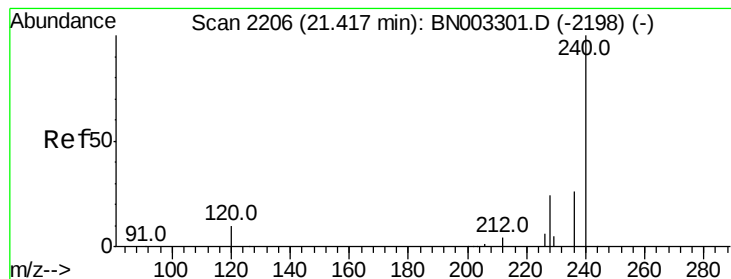


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.42 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

Instrument :

BNA_N

ClientSampled :

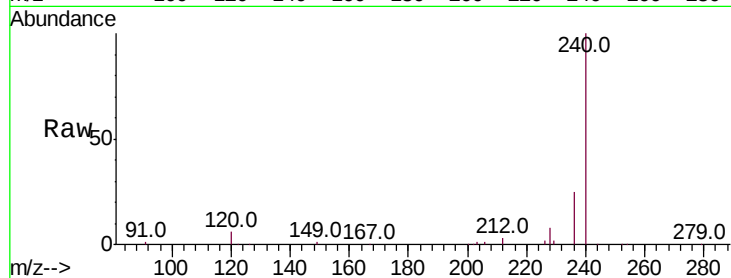
Tot Ion:240 Resp: 109514

Ion Ratio Lower Upper

240 100

120 6.2 9.3 13.9#

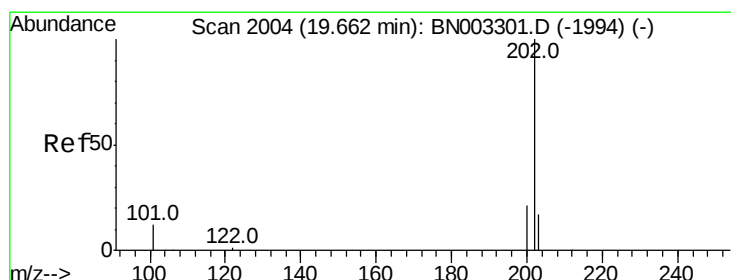
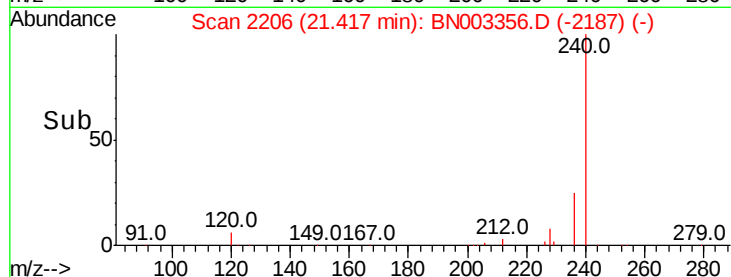
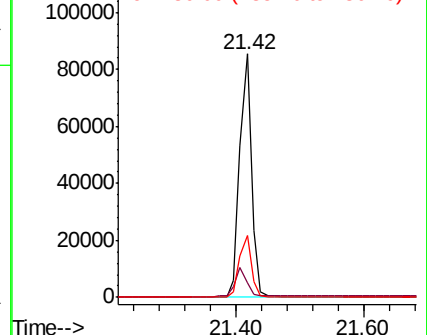
236 25.2 21.0 31.4



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



#28

Pyrene

Concen: 0.389 ng

RT: 19.65 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

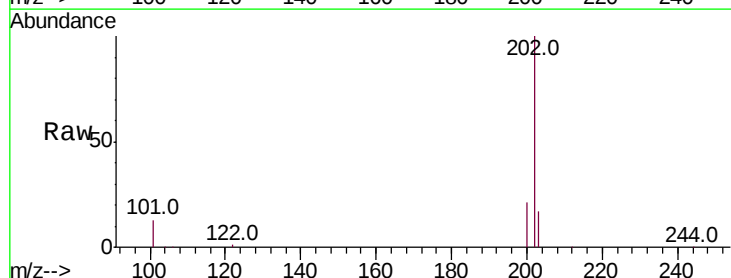
Tgt Ion:202 Resp: 117639

Ion Ratio Lower Upper

202 100

200 20.5 16.5 24.7

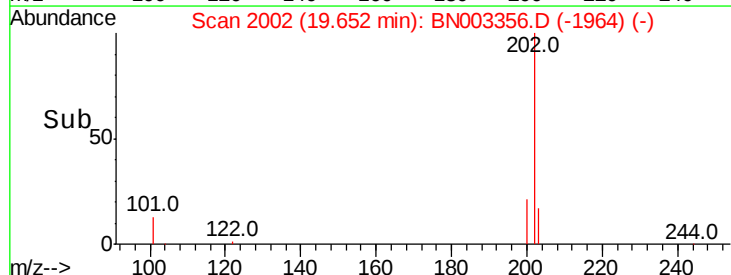
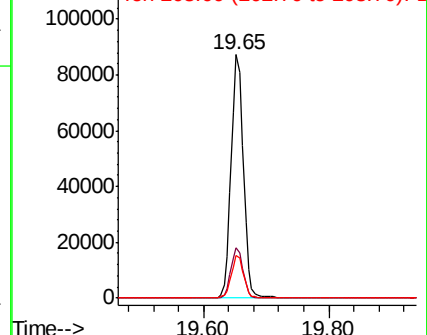
203 17.4 13.9 20.9

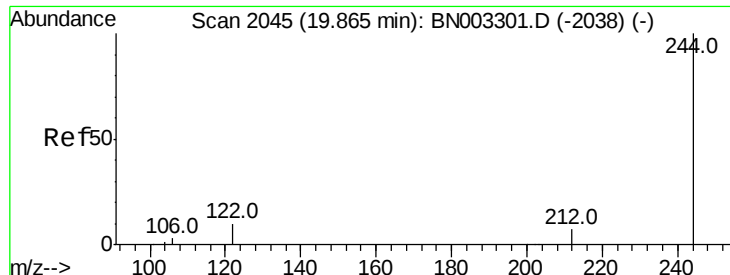


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.382 ng

RT: 19.86 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

Instrument :

BNA_N

ClientSampleId :

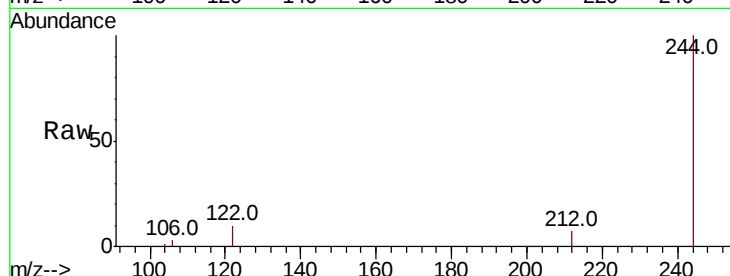
Tot Ion:244 Resp: 97311

Ion Ratio Lower Upper

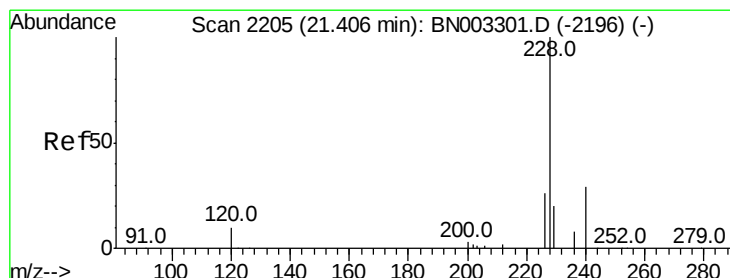
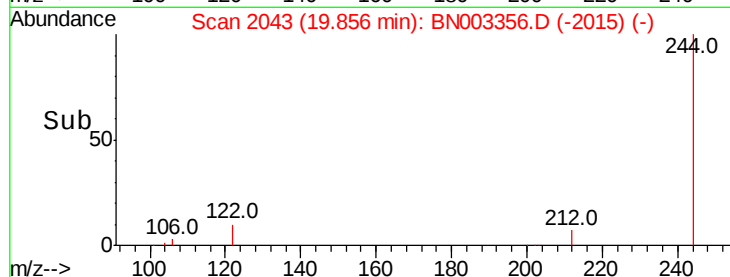
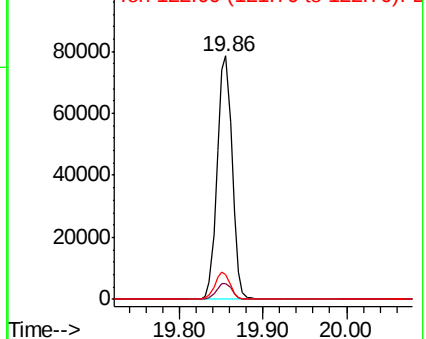
244 100

212 6.7 5.6 8.4

122 10.1 8.5 12.7



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



#30

Benzo(a)anthracene

Concen: 0.359 ng

RT: 21.40 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

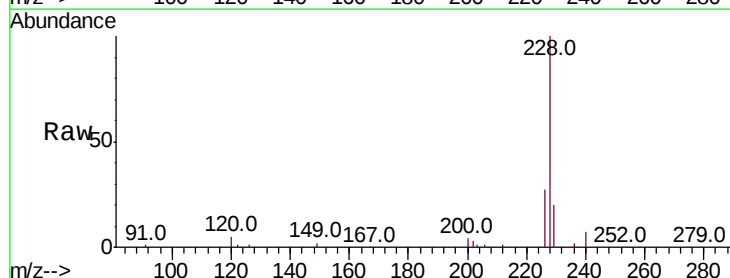
Tgt Ion:228 Resp: 103115

Ion Ratio Lower Upper

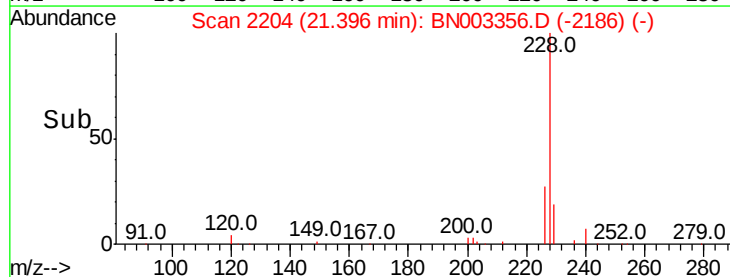
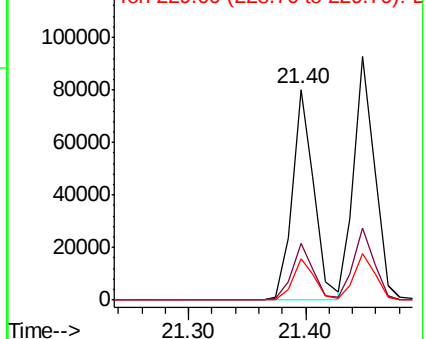
228 100

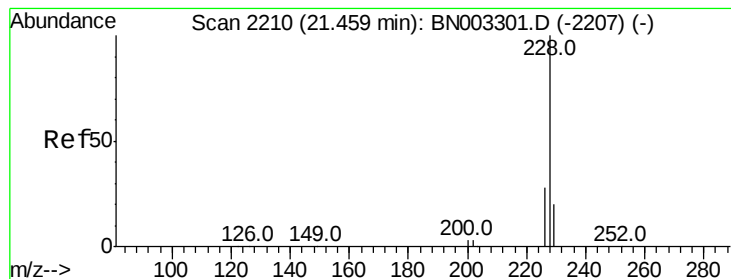
226 26.8 20.8 31.2

229 19.5 16.1 24.1



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

Chrysene

Concen: 0.366 ng

RT: 21.45 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

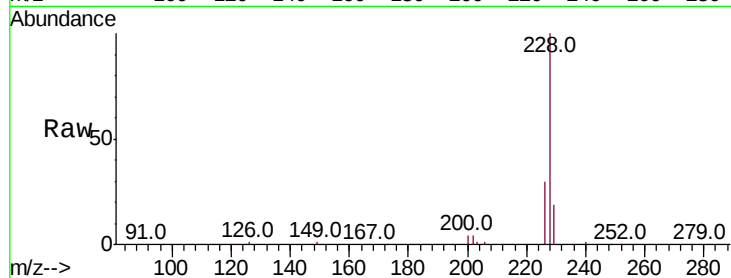
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 113402

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.7	34.1
229	19.1	16.0	24.0

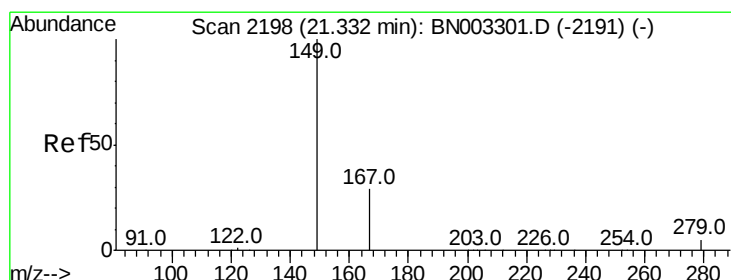
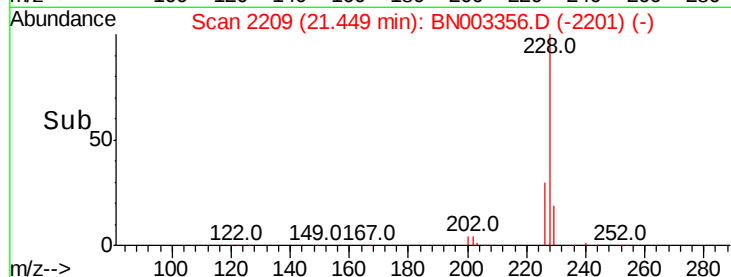
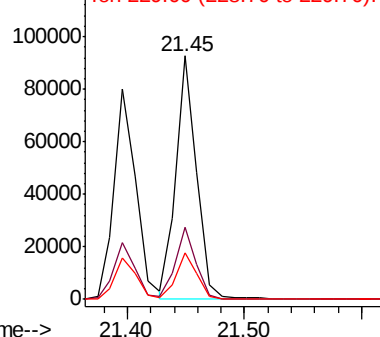


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.362 ng

RT: 21.31 min Scan# 2196

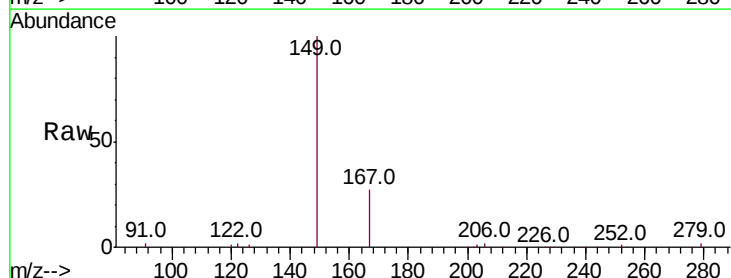
Delta R.T. -0.02 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

Tgt Ion:149 Resp: 30757

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.4	33.6
279	5.1	3.9	5.9

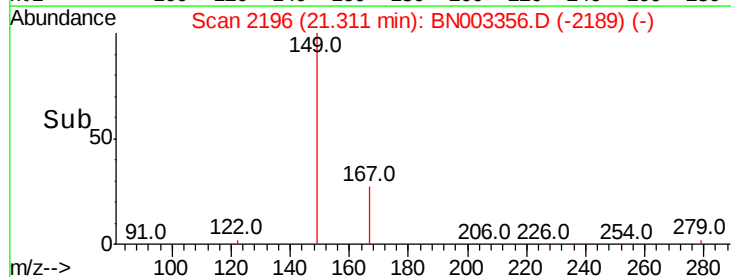
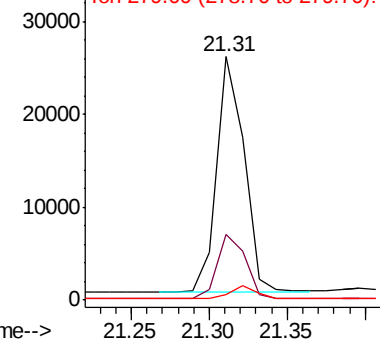


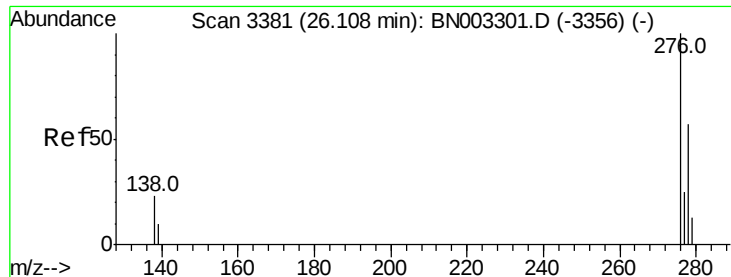
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.323 ng

RT: 26.09 min Scan# 3377

Delta R.T. -0.01 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

Instrument :

BNA_N

ClientSampleId :

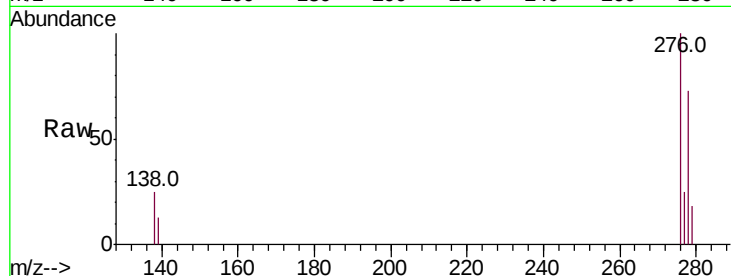
Tot Ion:276 Resp: 103664

Ion Ratio Lower Upper

276 100

138 24.3 20.6 30.8

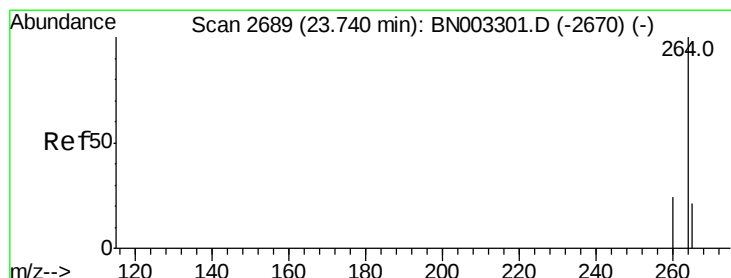
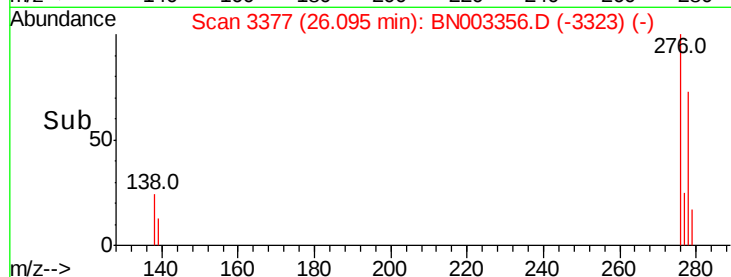
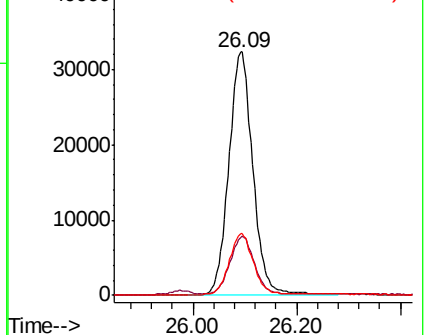
277 25.0 20.0 30.0



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.73 min Scan# 2687

Delta R.T. -0.01 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

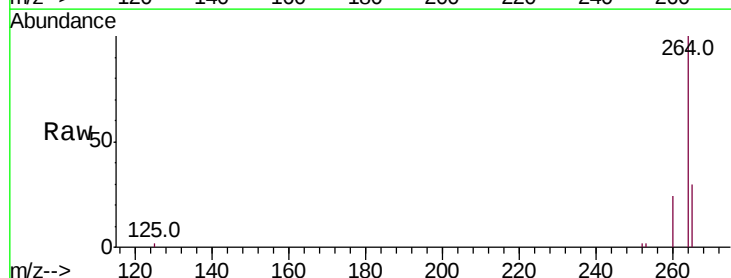
Tgt Ion:264 Resp: 91155

Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

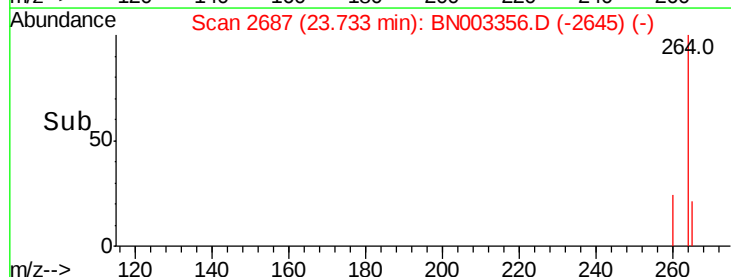
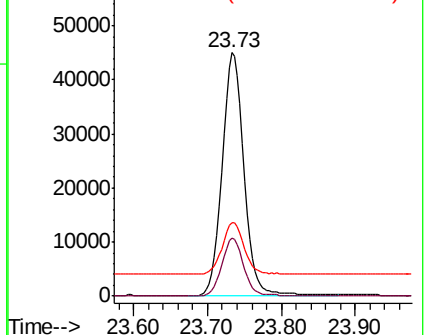
265 30.3 26.4 39.6

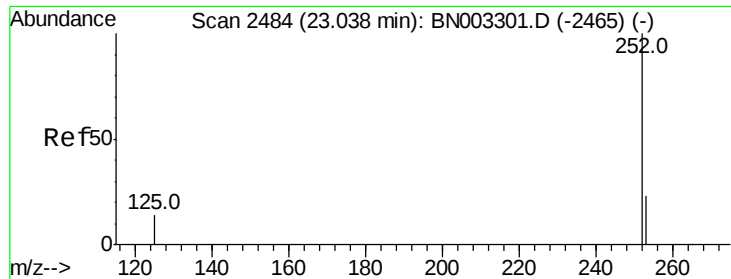


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

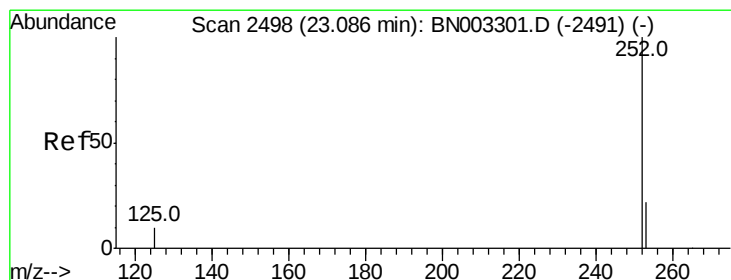
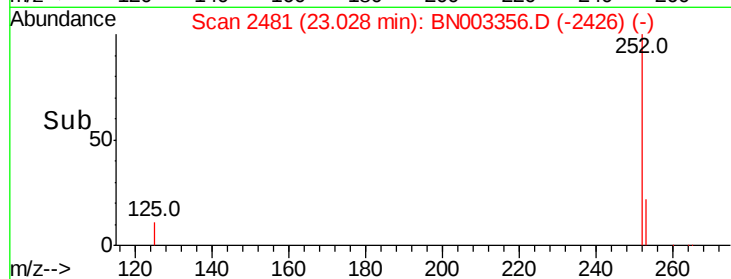
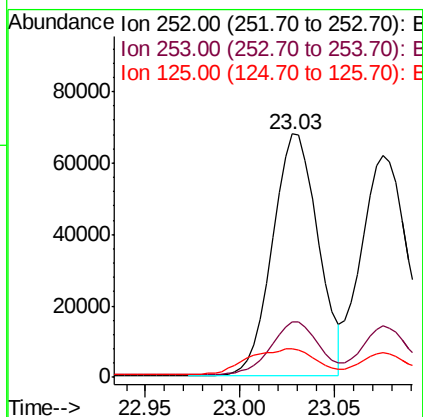
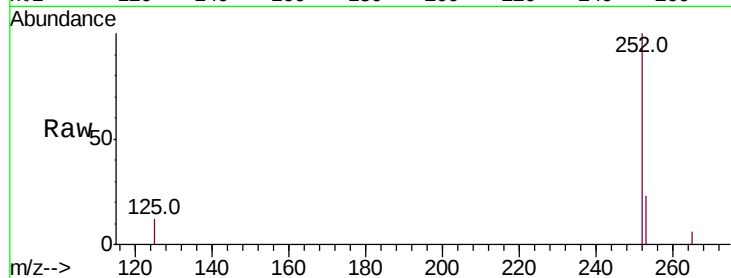




#35
Benzo(b)fluoranthene
Concen: 0.396 ng
RT: 23.03 min Scan# 2481
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

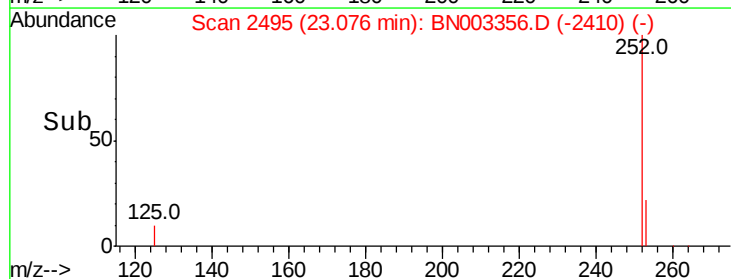
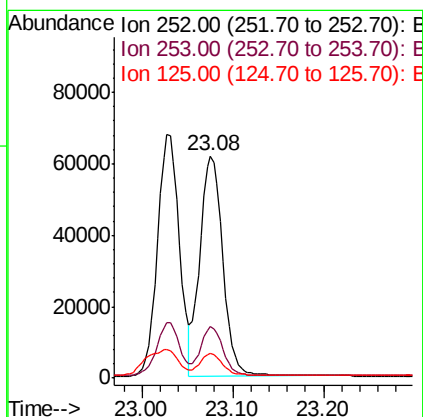
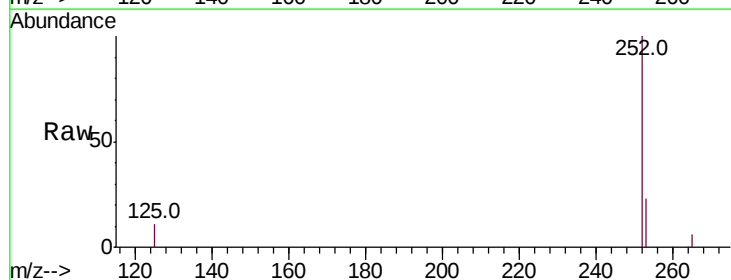
Instrument :
BNA_N
ClientSampleId :

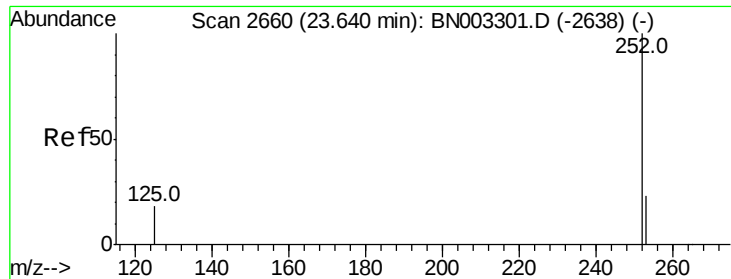
Tot Ion:252 Resp: 112727
Ion Ratio Lower Upper
252 100
253 22.7 19.3 28.9
125 11.7 12.7 19.1#



#36
Benzo(k)fluoranthene
Concen: 0.384 ng
RT: 23.08 min Scan# 2495
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Tgt Ion:252 Resp: 108308
Ion Ratio Lower Upper
252 100
253 23.0 18.5 27.7
125 11.1 9.1 13.7





#37

Benzo(a)pyrene

Concen: 0.387 ng

RT: 23.63 min Scan# 2657

Delta R.T. -0.01 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

Instrument :

BNA_N

ClientSampleId :

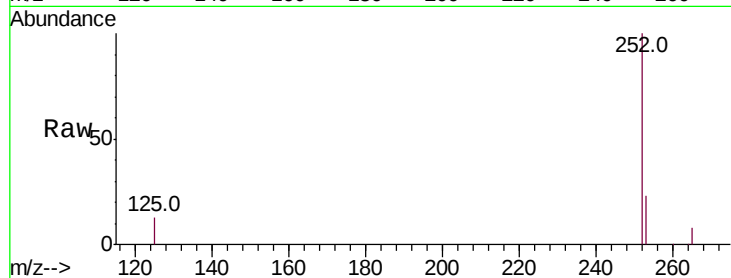
Tot Ion:252 Resp: 100086

Ion Ratio Lower Upper

252 100

253 23.2 20.1 30.1

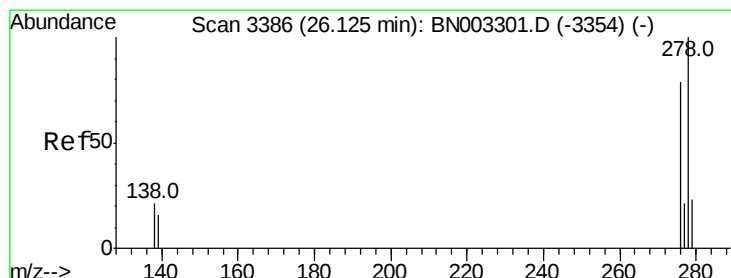
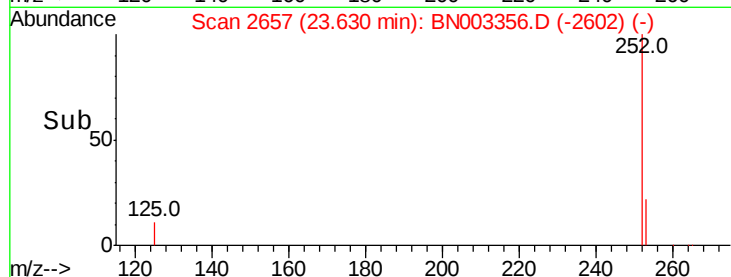
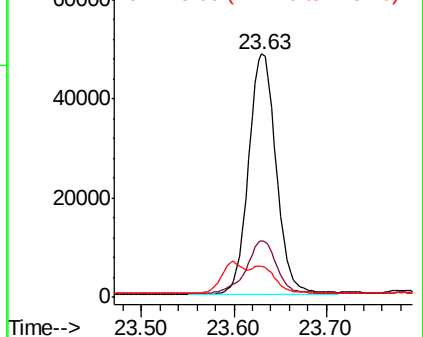
125 12.9 16.0 24.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.359 ng

RT: 26.10 min Scan# 3380

Delta R.T. -0.02 min

Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

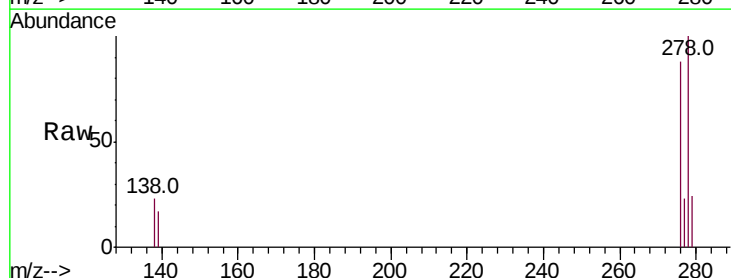
Tgt Ion:278 Resp: 86465

Ion Ratio Lower Upper

278 100

139 16.6 13.5 20.3

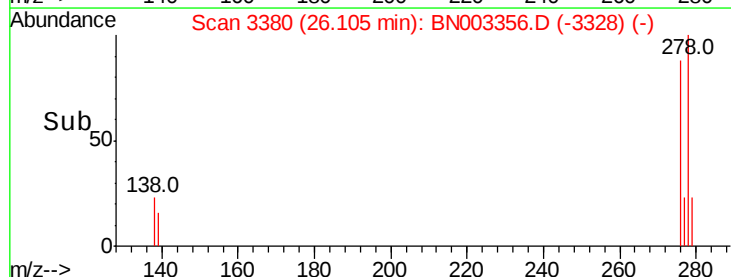
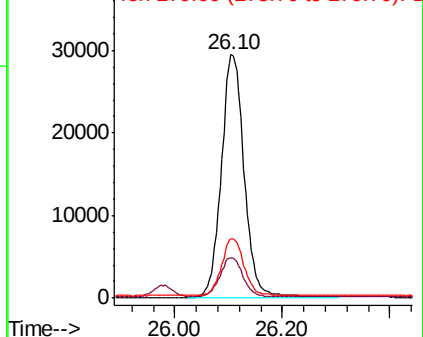
279 24.3 19.8 29.6

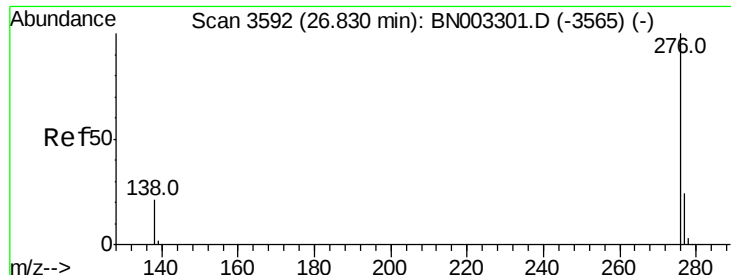


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.347 ng

RT: 26.82 min Scan# 3588

Delta R.T. -0.01 min

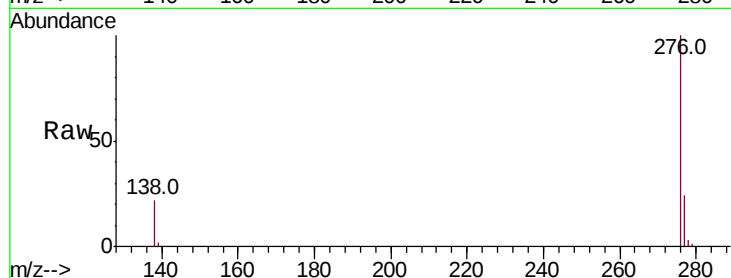
Lab File: BN003356.D

Acq: 30 Oct 2018 12:03

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 83716

Ion Ratio Lower Upper

276 100

277 23.9 19.5 29.3

138 21.7 17.4 26.2

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

