

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN102918\
 Data File : BN003333.D
 Acq On : 29 Oct 2018 12:57
 Operator : MJ/SJ
 Sample : J5521-02MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 AOC6-01AMSD

Quant Time: Oct 30 06:44:50 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	15742	0.40	ng	0.00
7) Naphthalene-d8	10.66	136	68697	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	39773	0.40	ng	-0.01
19) Phenanthrene-d10	17.24	188	90510	0.40	ng	0.00
27) Chrysene-d12	21.42	240	90316	0.40	ng	0.00
34) Perylene-d12	23.74	264	77826	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.42	112	14476	0.37	ng	0.00
5) Phenol-d6	7.01	99	18914	0.38	ng	0.00
8) Nitrobenzene-d5	9.02	82	12626	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	31250	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	4989	0.32	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	47635	0.28	ng	-0.01
25) Fluoranthene-d10	19.26	212	66258	0.25	ng	0.00
29) Terphenyl-d14	19.86	244	57663	0.27	ng	0.00

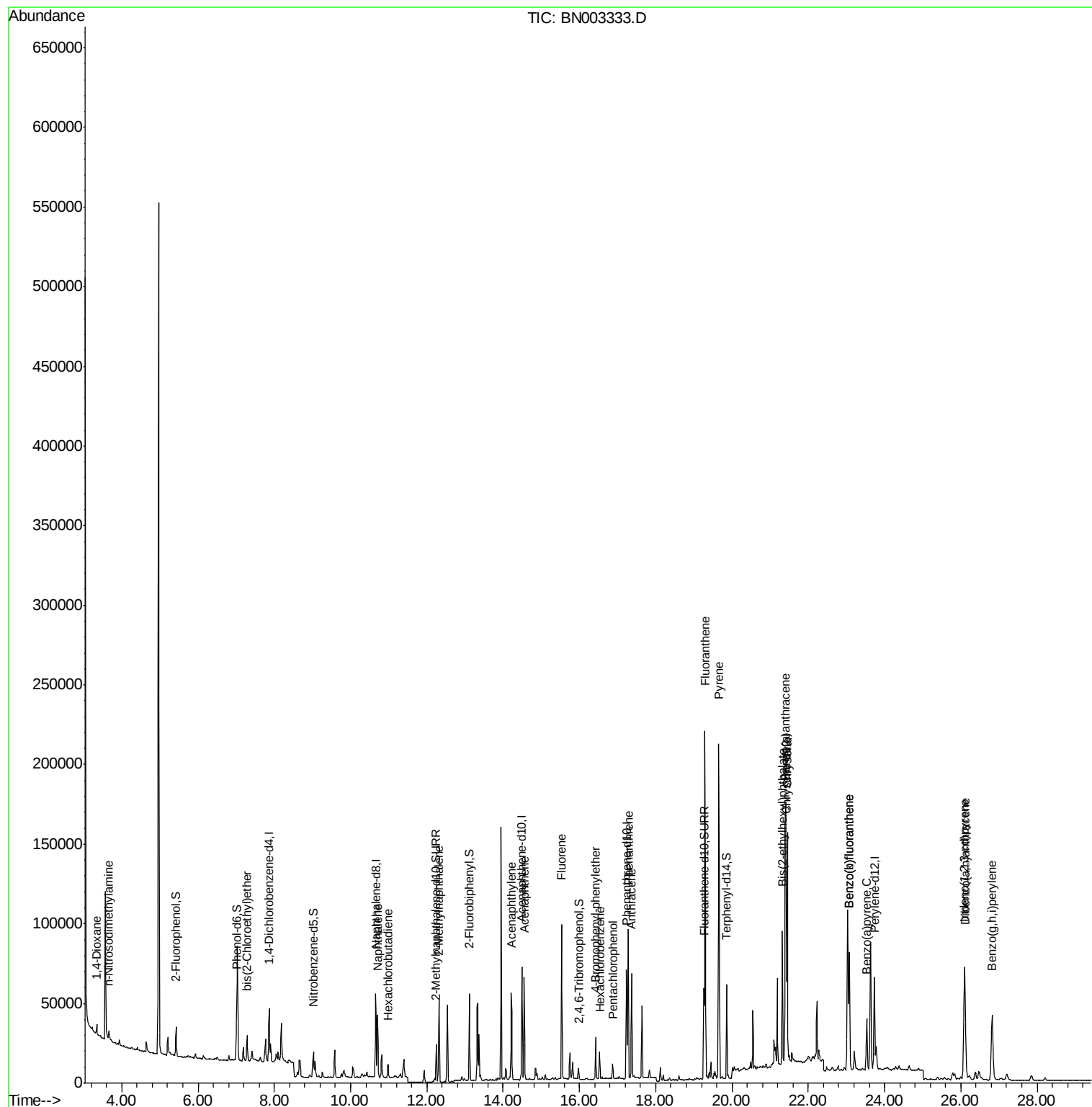
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	3971	0.195	ng	# 43
3) n-Nitrosodimethylamine	3.67	42	4063	0.433	ng	# 89
6) bis(2-Chloroethyl)ether	7.29	93	12678	0.289	ng	98
9) Naphthalene	10.71	128	49430	0.294	ng	99
10) Hexachlorobutadiene	10.99	225	7138	0.233	ng	# 99
12) 2-Methylnaphthalene	12.32	142	35419	0.302	ng	98
16) Acenaphthylene	14.21	152	63992	0.361	ng	100
17) Acenaphthene	14.56	154	31441	0.256	ng	99
18) Fluorene	15.54	166	42901	0.279	ng	100
20) 4-Bromophenyl-phenylether	16.43	248	13461	0.257	ng	# 91
21) Hexachlorobenzene	16.54	284	12770	0.231	ng	99
22) Pentachlorophenol	16.88	266	4450	0.297	ng	98
23) Phenanthrene	17.28	178	102465	0.413	ng	100
24) Anthracene	17.37	178	67758	0.318	ng	100
26) Fluoranthene	19.29	202	192665	0.676	ng	98
28) Pyrene	19.66	202	185515	0.743	ng	99
30) Benzo(a)anthracene	21.40	228	135174	0.571	ng	97
31) Chrysene	21.45	228	120274	0.471	ng	97
32) Bis(2-ethylhexyl)phthalate	21.32	149	71250	1.017	ng	100
33) Indeno(1,2,3-cd)pyrene	26.10	276	98569	0.373	ng	97
35) Benzo(b)fluoranthene	23.08	252	95240	0.392	ng	97
36) Benzo(k)fluoranthene	23.08	252	96593	0.402	ng	97
37) Benzo(a)pyrene	23.53	252	45664	0.207	ng	98
38) Dibenzo(a,h)anthracene	26.11	278	57153	0.278	ng	96
39) Benzo(g,h,i)perylene	26.82	276	89749	0.436	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 600

Delta R.T. -0.01 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

Instrument :

BNA_N

ClientSampleId :

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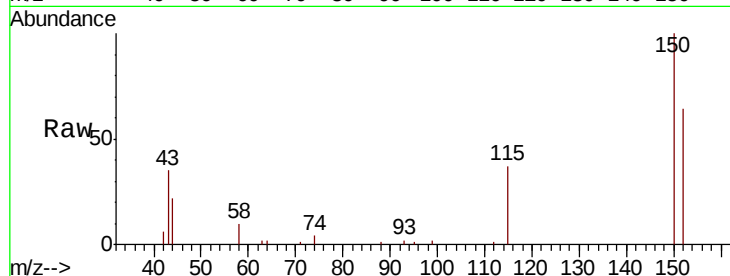
Tgt Ion:152 Resp: 15742

Ion Ratio Lower Upper

152 100

150 155.3 124.6 187.0

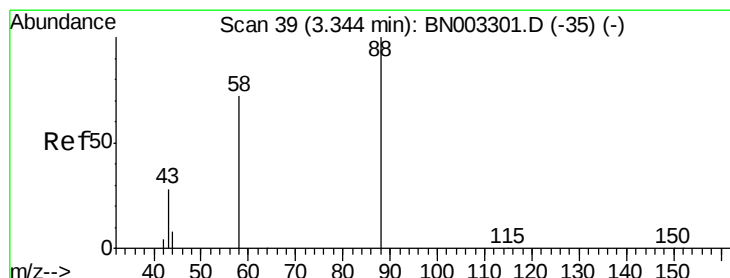
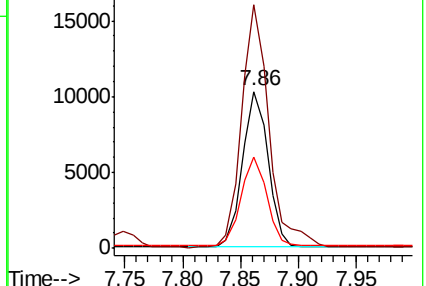
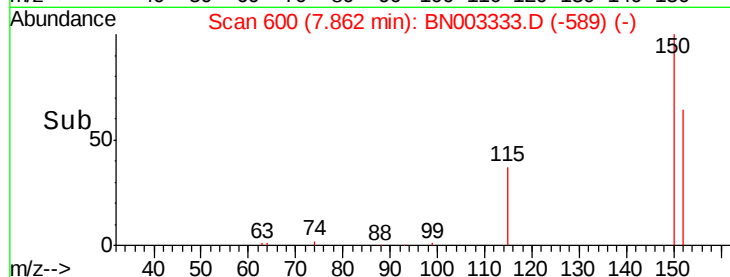
115 58.1 46.4 69.6



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: 0.195 ng

RT: 3.34 min Scan# 39

Delta R.T. -0.00 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

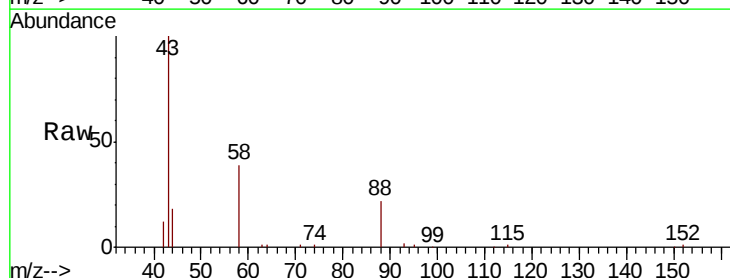
Tgt Ion: 88 Resp: 3971

Ion Ratio Lower Upper

88 100

58 90.8 60.9 91.3

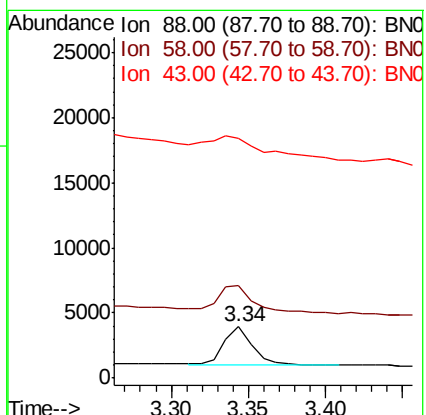
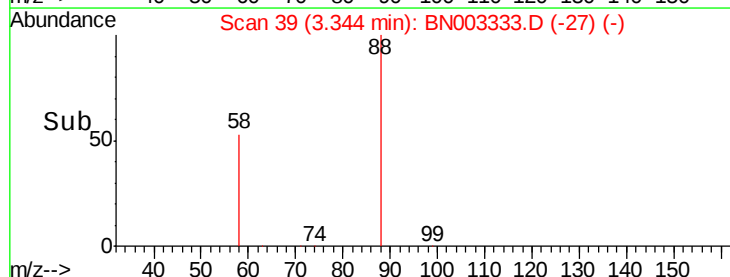
43 115.3 23.9 35.9#

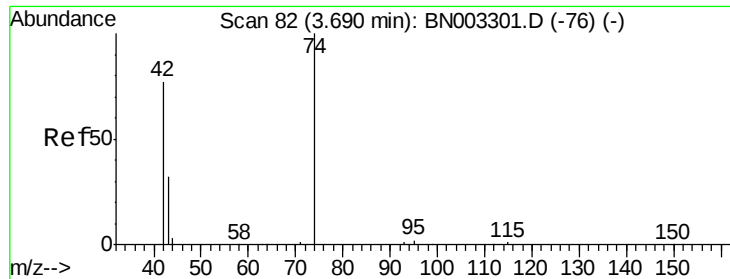


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.433 ng

RT: 3.67 min Scan# 79

Delta R.T. -0.02 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

Instrument :

BNA_N

ClientSampleId :

AOC6-01AMSD

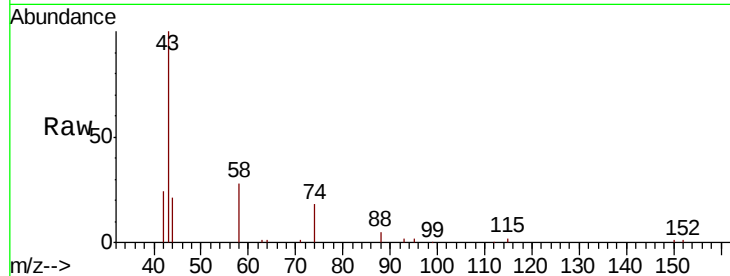
Tgt Ion: 42 Resp: 4063

Ion Ratio Lower Upper

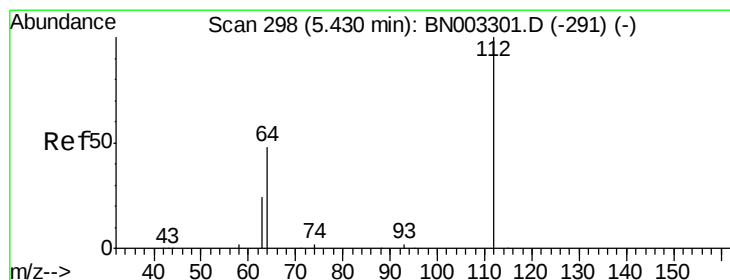
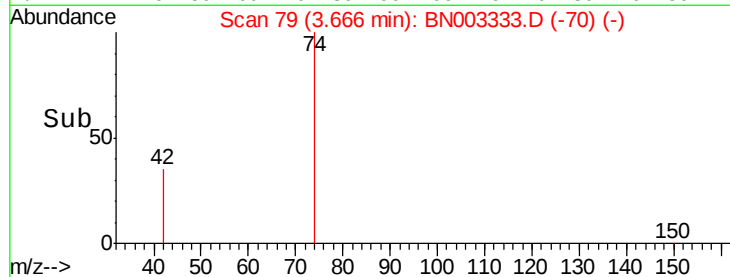
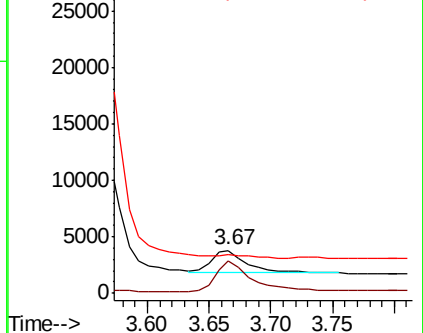
42 100

74 135.5 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: 0.371 ng

RT: 5.42 min Scan# 297

Delta R.T. -0.01 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

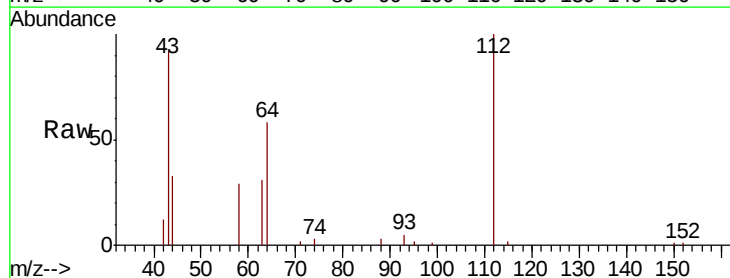
Tgt Ion: 112 Resp: 14476

Ion Ratio Lower Upper

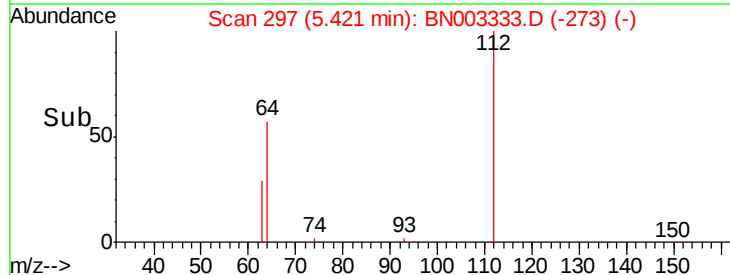
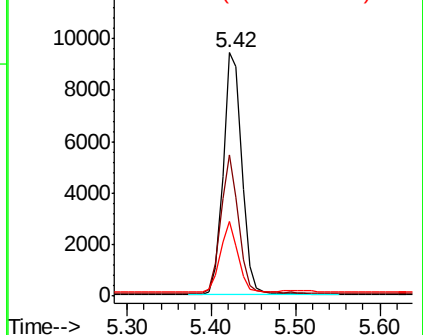
112 100

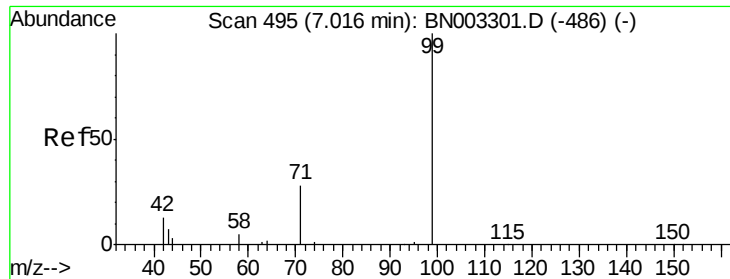
64 53.7 44.3 66.5

63 26.8 22.4 33.6



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





#5

Phenol-d6

Concen: 0.384 ng

RT: 7.01 min Scan# 494

Delta R.T. -0.01 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

Instrument :

BNA_N

ClientSampleId :

AOC6-01AMSD

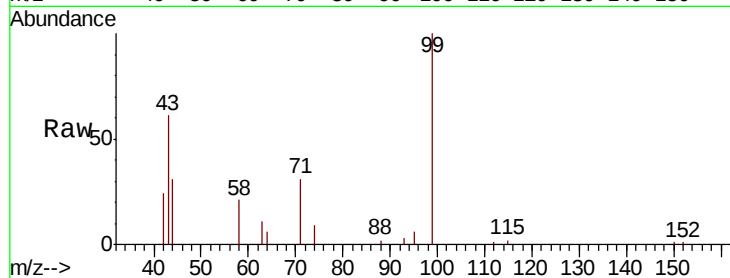
Tgt Ion: 99 Resp: 18914

Ion Ratio Lower Upper

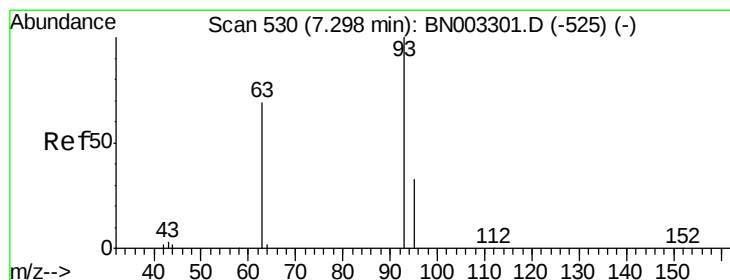
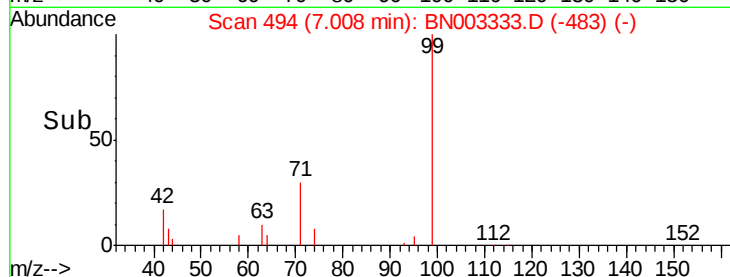
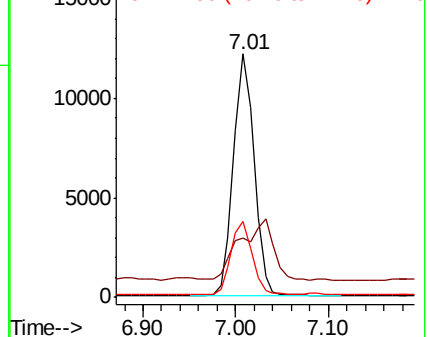
99 100

42 0.0 14.8 22.2#

71 31.1 24.8 37.2



Abundance Ion 99.00 (98.70 to 99.70): BN0
Ion 42.00 (41.70 to 42.70): BN0
Ion 71.00 (70.70 to 71.70): BN0



#6

bis(2-Chloroethyl)ether

Concen: 0.289 ng

RT: 7.29 min Scan# 529

Delta R.T. -0.01 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

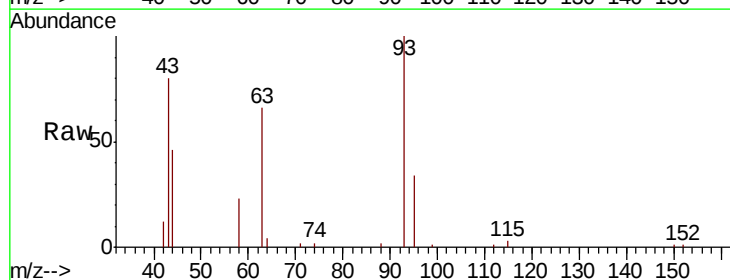
Tgt Ion: 93 Resp: 12678

Ion Ratio Lower Upper

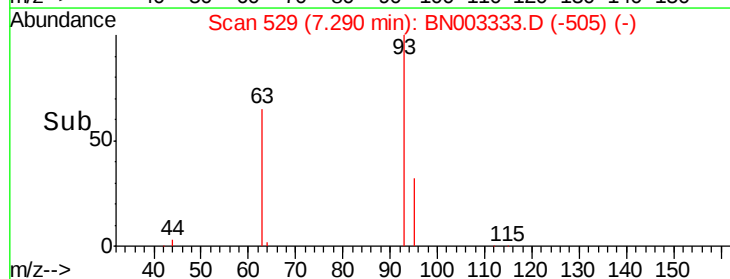
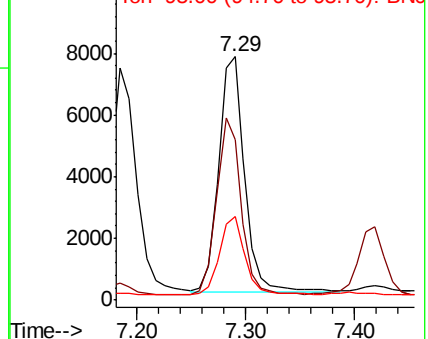
93 100

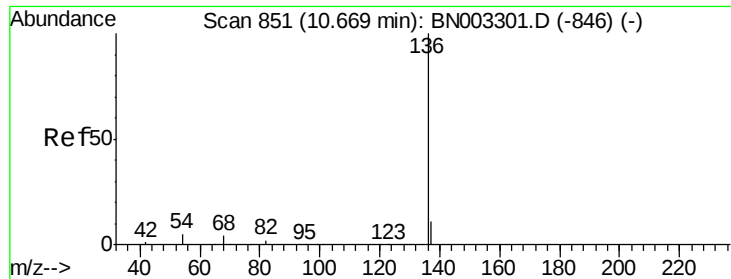
63 71.4 55.8 83.6

95 32.7 25.4 38.2



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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.66 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

Instrument :

BNA_N

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AOC6-01AMSD

Tgt Ion:136 Resp: 68697

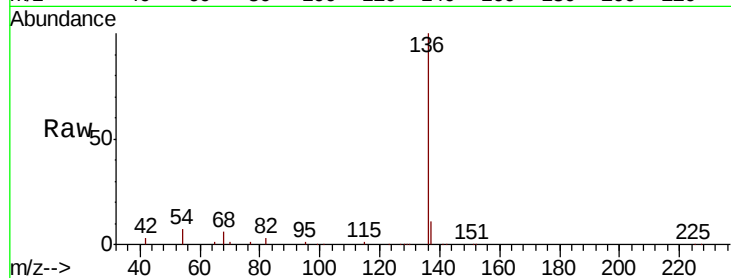
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.3 4.1 6.1#

68 6.1 3.5 5.3#

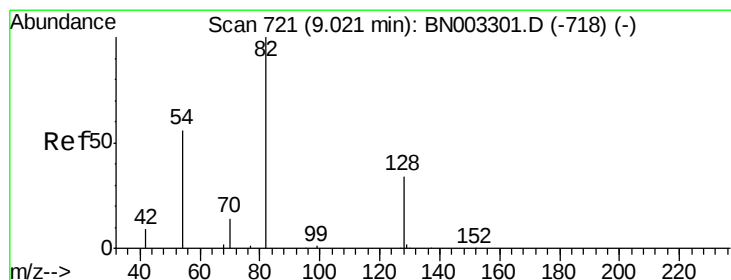
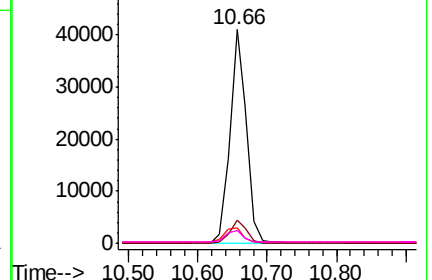
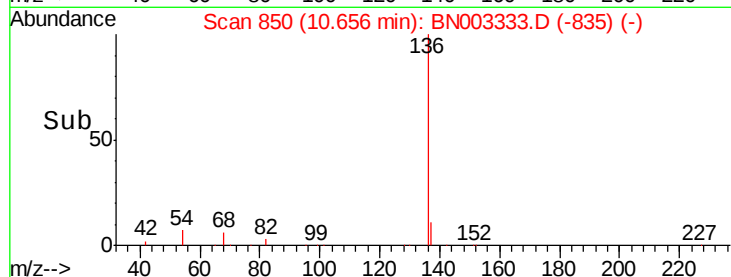


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.420 ng

RT: 9.02 min Scan# 721

Delta R.T. -0.00 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

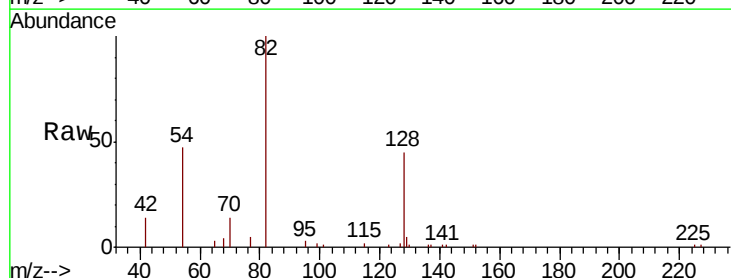
Tgt Ion: 82 Resp: 12626

Ion Ratio Lower Upper

82 100

128 45.3 28.9 43.3#

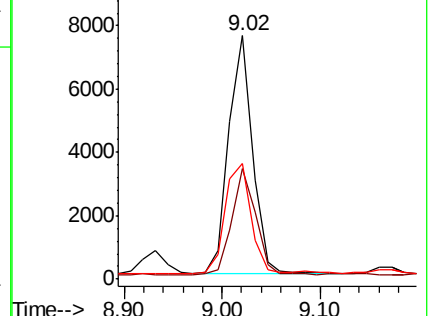
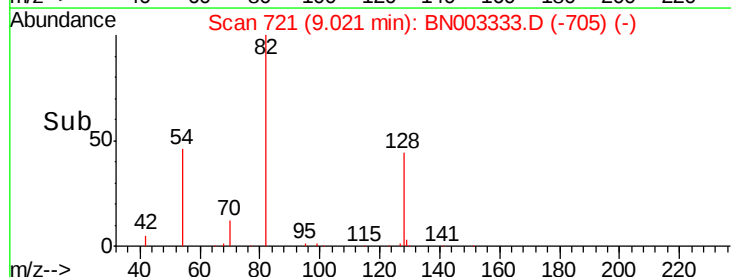
54 47.4 46.1 69.1

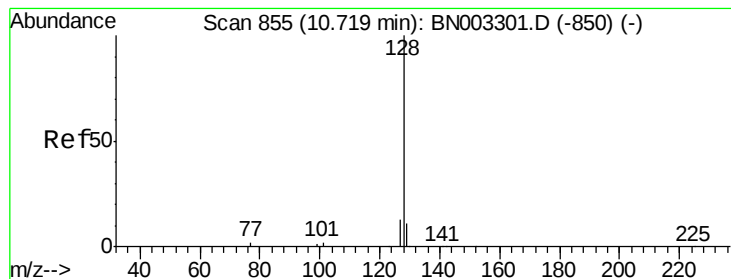


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.294 ng

RT: 10.71 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

Instrument :

BNA_N

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AOC6-01AMSD

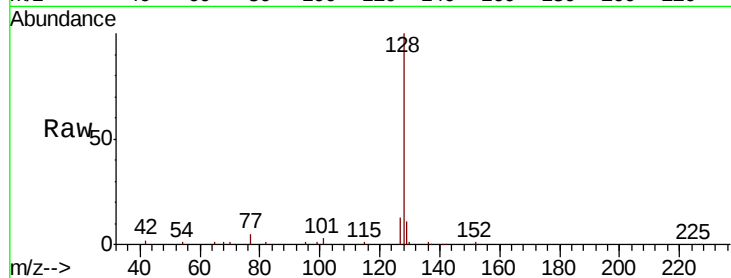
Tgt Ion:128 Resp: 49430

Ion Ratio Lower Upper

128 100

129 11.2 9.1 13.7

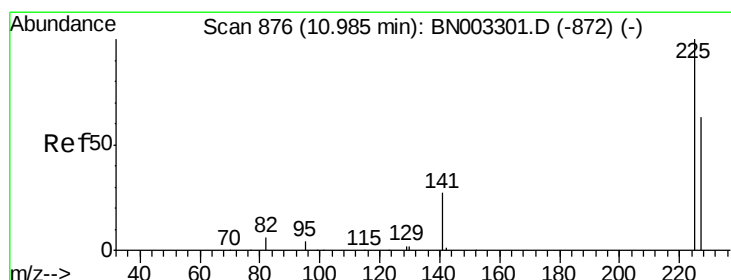
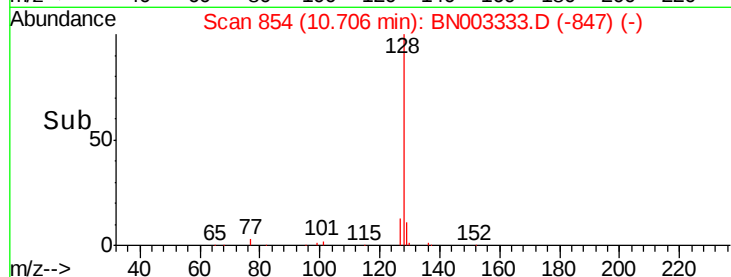
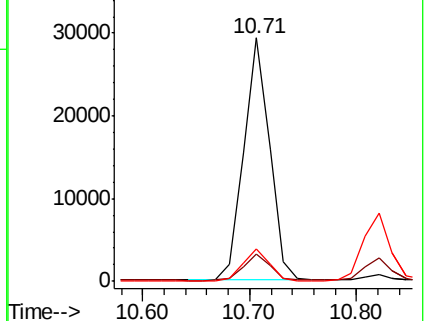
127 13.1 10.2 15.4



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: 0.233 ng

RT: 10.99 min Scan# 876

Delta R.T. -0.00 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

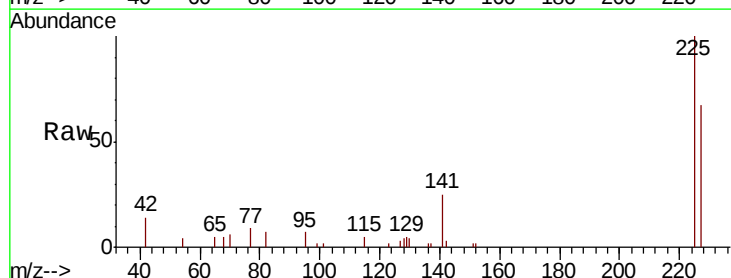
Tgt Ion:225 Resp: 7138

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

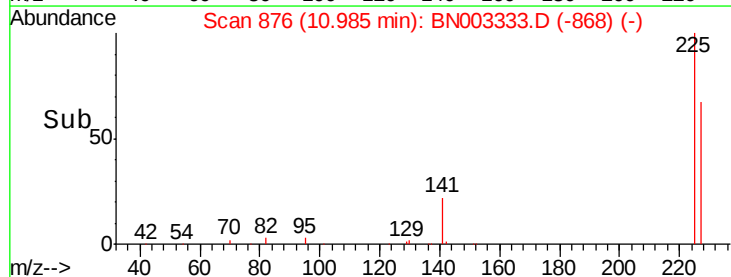
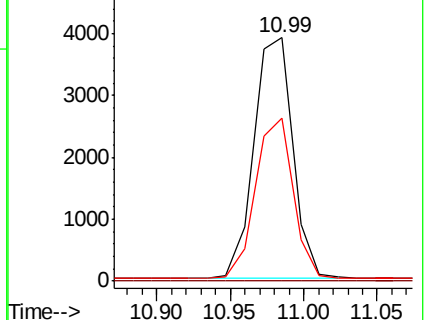
227 64.5 51.3 76.9

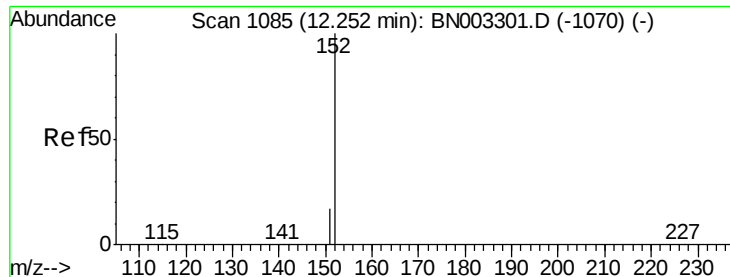


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

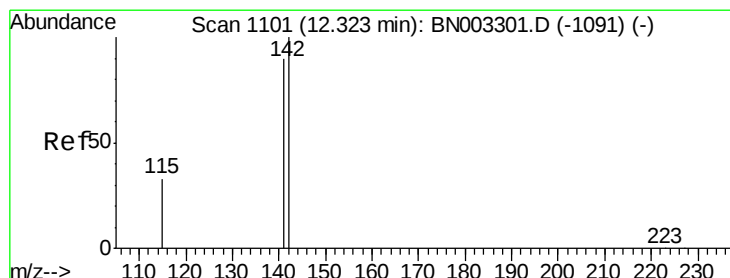
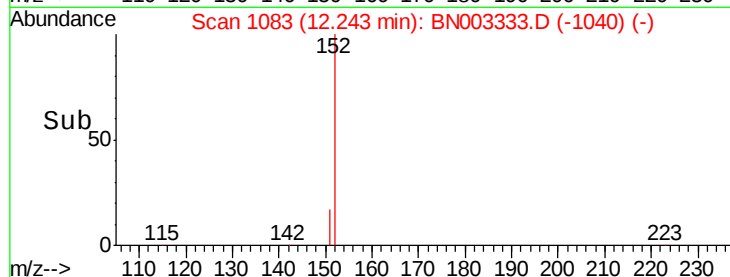
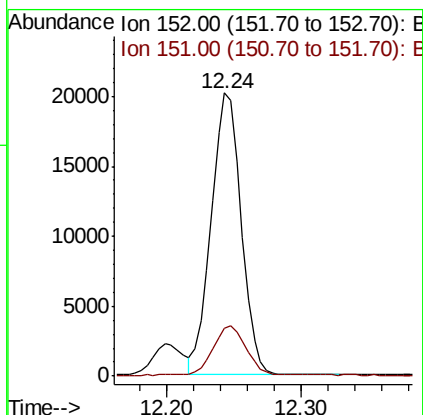
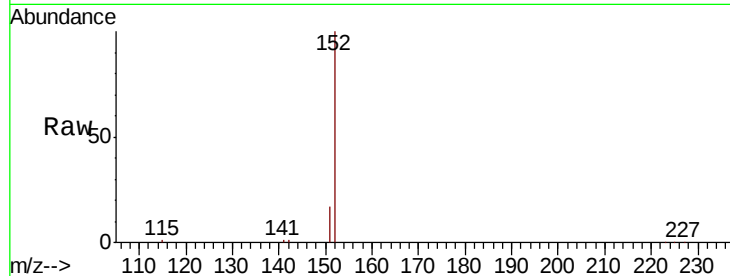




#11
 2-Methylnaphthalene-d10
 Concen: 0.279 ng
 RT: 12.24 min Scan# 1083
 Delta R.T. -0.01 min
 Lab File: BN003333.D
 Acq: 29 Oct 2018 12:57

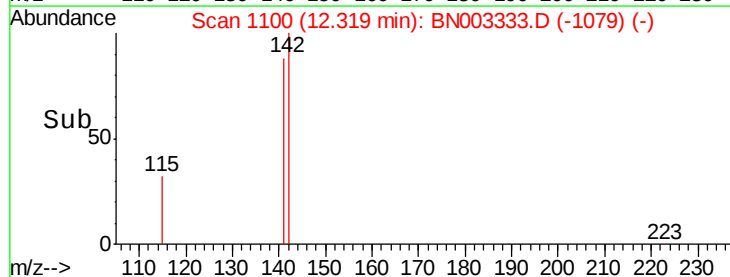
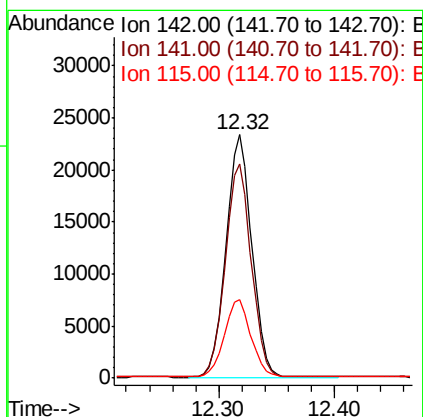
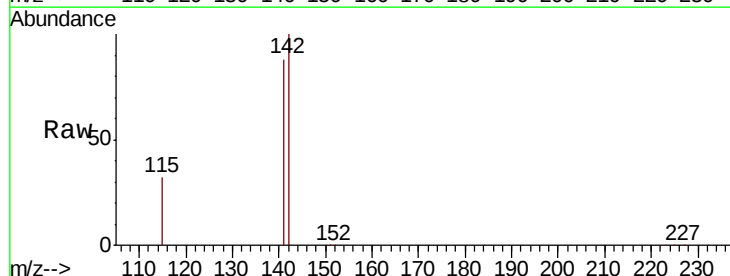
Instrument :
 BNA_N
 ClientSampleId :
 AOC6-01AMSD

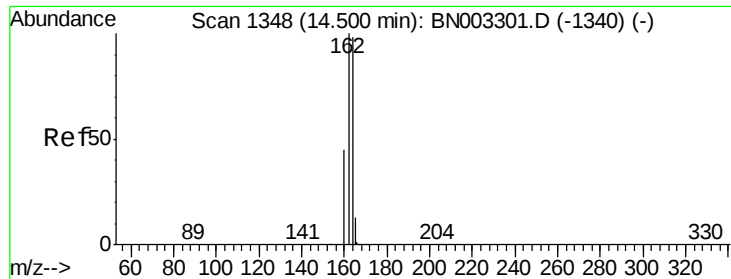
Tgt Ion:152 Resp: 31250
 Ion Ratio Lower Upper
 152 100
 151 19.2 15.1 22.7



#12
 2-Methylnaphthalene
 Concen: 0.302 ng
 RT: 12.32 min Scan# 1100
 Delta R.T. -0.00 min
 Lab File: BN003333.D
 Acq: 29 Oct 2018 12:57

Tgt Ion:142 Resp: 35419
 Ion Ratio Lower Upper
 142 100
 141 87.8 71.9 107.9
 115 32.3 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: BN003333.D

Acq: 29 Oct 2018 12:57

Instrument :

BNA_N

ClientSampleId :

AOC6-01AMSD

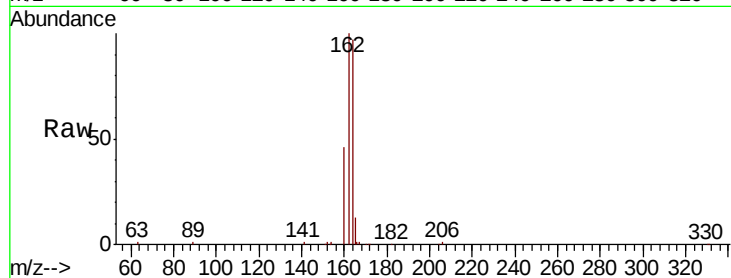
Tgt Ion:164 Resp: 39773

Ion Ratio Lower Upper

164 100

162 103.6 81.8 122.6

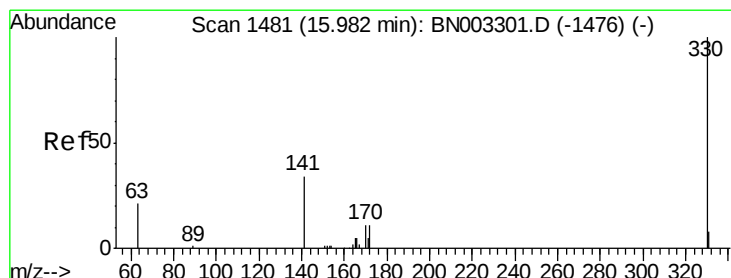
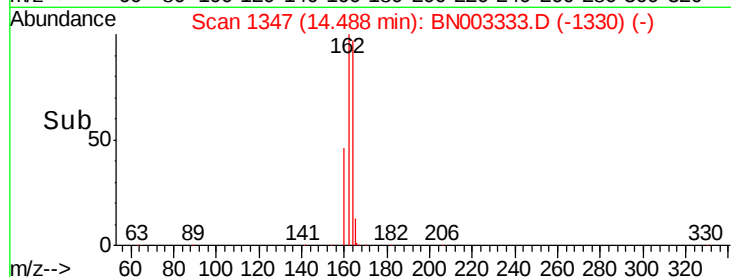
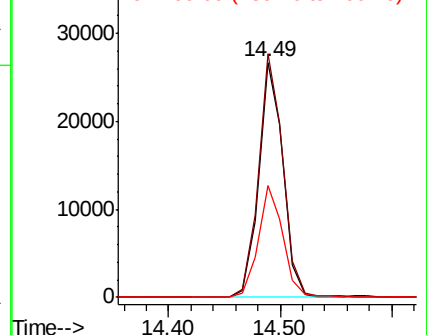
160 47.4 37.2 55.8



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



#14

2,4,6-Tribromophenol

Concen: 0.315 ng

RT: 15.98 min Scan# 1481

Delta R.T. -0.00 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

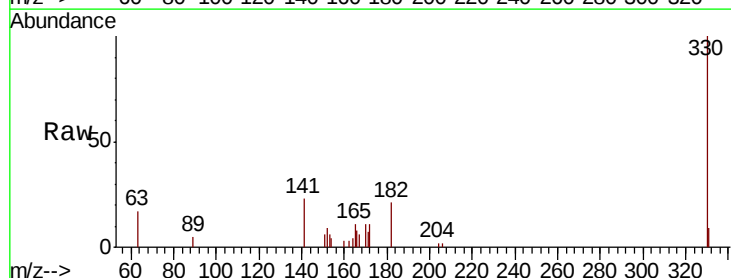
Tgt Ion:330 Resp: 4989

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

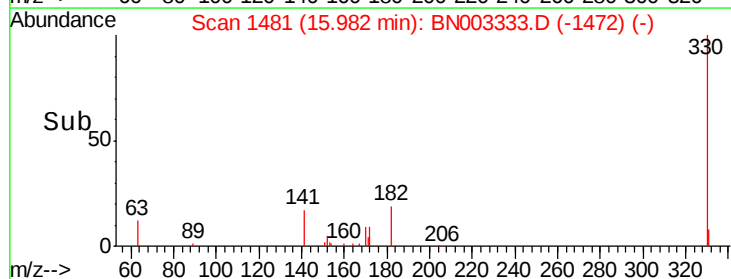
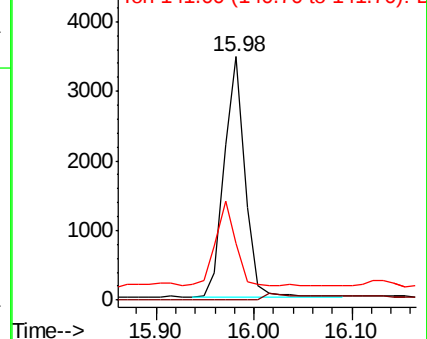
141 34.3 28.3 42.5

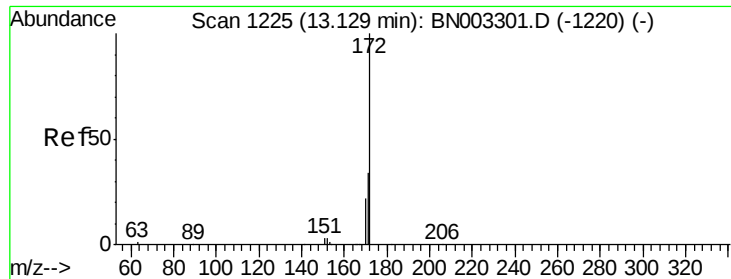


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

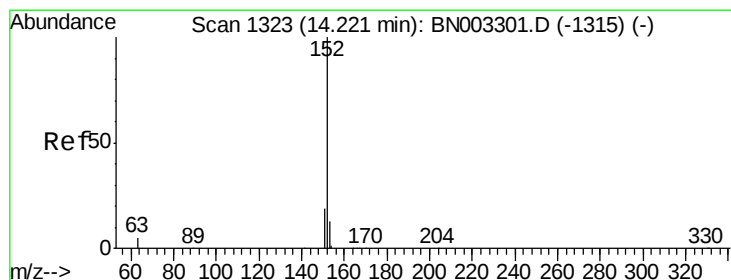
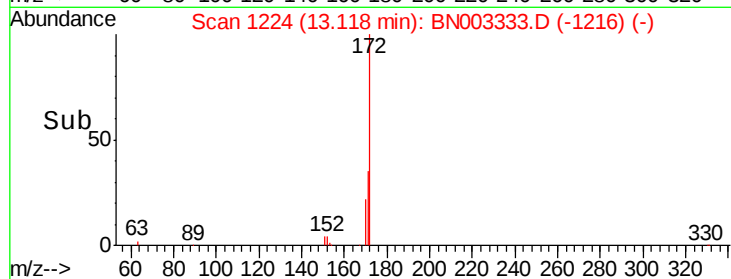
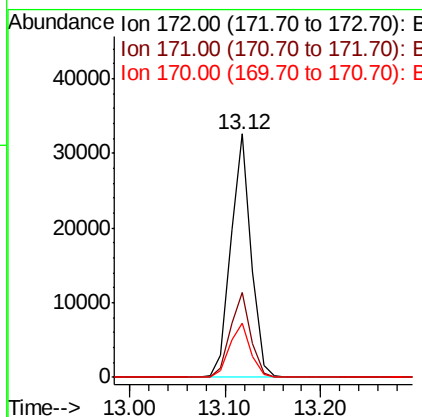
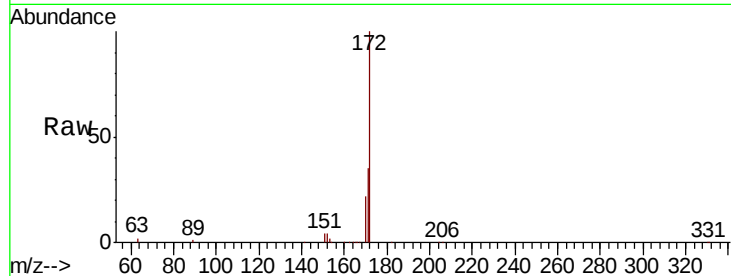




#15
2-Fluorobiphenyl
Concen: 0.278 ng
RT: 13.12 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BN003333.D
Acq: 29 Oct 2018 12:57

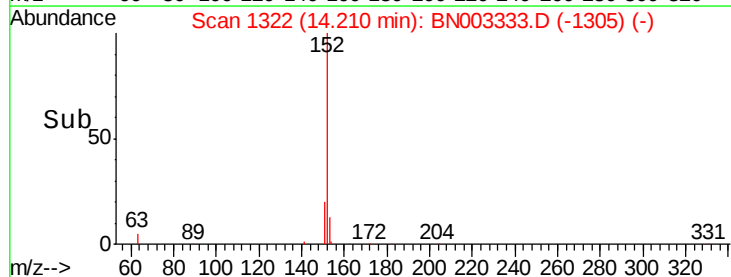
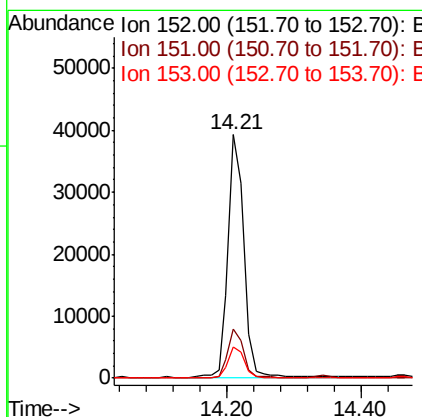
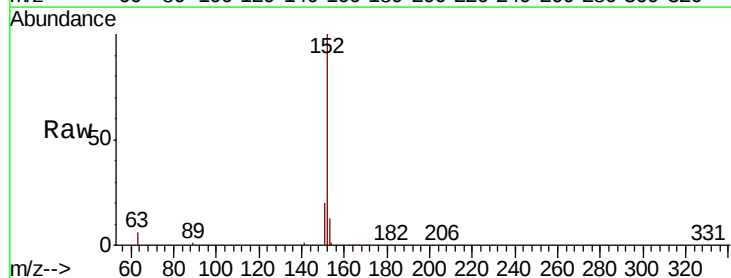
Instrument :
BNA_N
ClientSampleId :
AOC6-01AMSD

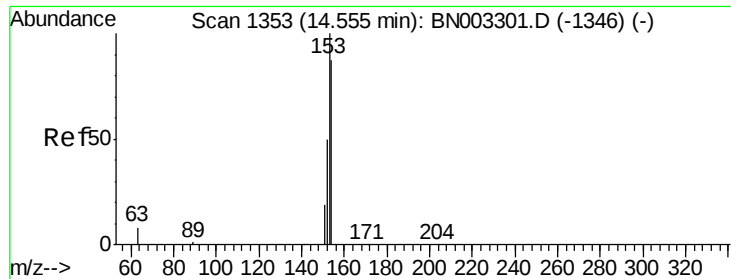
Tgt Ion:172 Resp: 47635
Ion Ratio Lower Upper
172 100
171 34.8 27.1 40.7
170 22.5 17.4 26.0



#16
Acenaphthylene
Concen: 0.361 ng
RT: 14.21 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BN003333.D
Acq: 29 Oct 2018 12:57

Tgt Ion:152 Resp: 63992
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 12.9 10.6 15.8





#17

Acenaphthene

Concen: 0.256 ng

RT: 14.56 min Scan# 1353

Delta R.T. -0.00 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

Instrument :

BNA_N

ClientSampleId :

AOC6-01AMSD

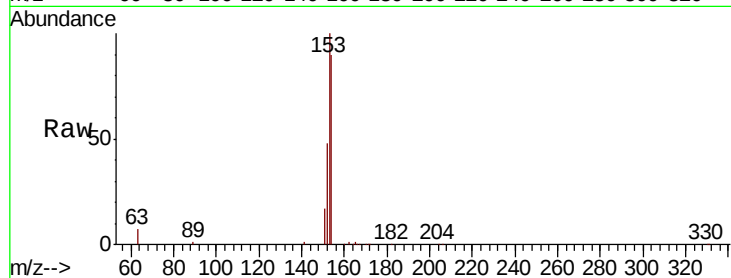
Tgt Ion:154 Resp: 31441

Ion Ratio Lower Upper

154 100

153 112.7 88.9 133.3

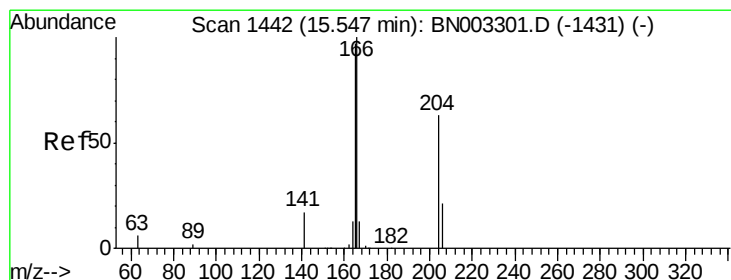
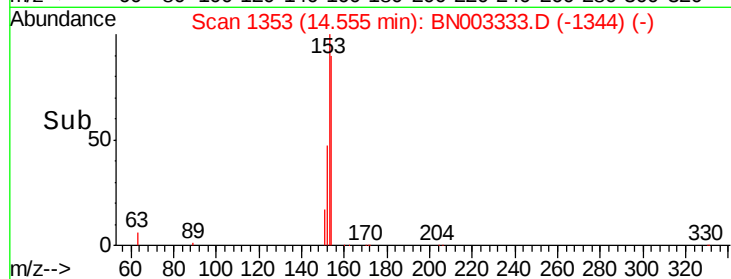
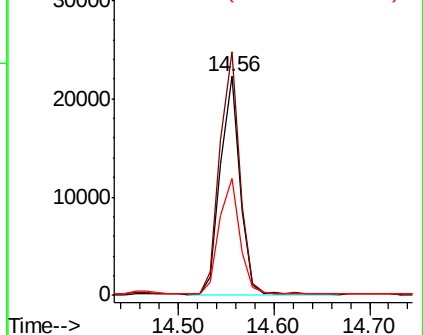
152 55.4 43.5 65.3



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: 0.279 ng

RT: 15.54 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

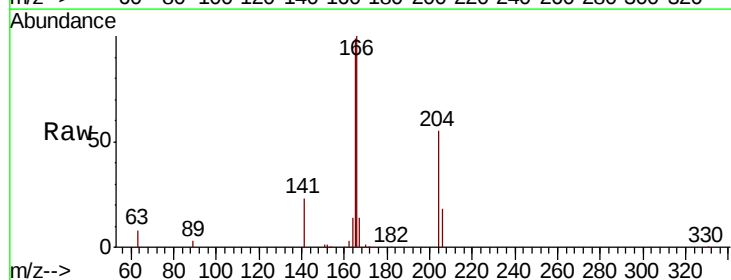
Tgt Ion:166 Resp: 42901

Ion Ratio Lower Upper

166 100

165 97.6 77.8 116.8

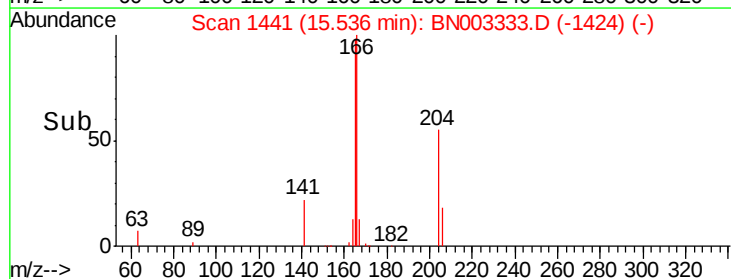
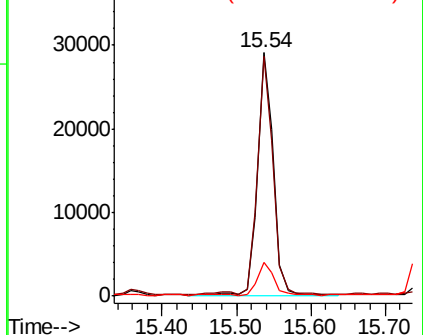
167 13.8 10.9 16.3

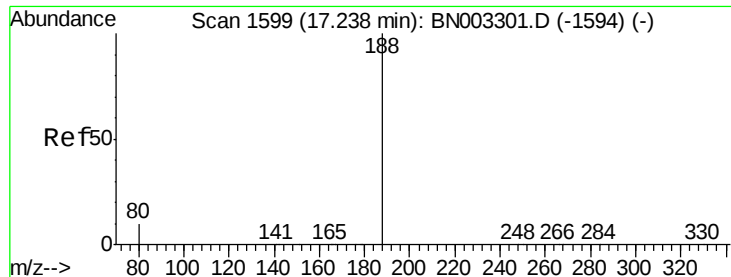


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.24 min Scan# 1599

Delta R.T. -0.00 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

Instrument :

BNA_N

ClientSampleId :

AOC6-01AMSD

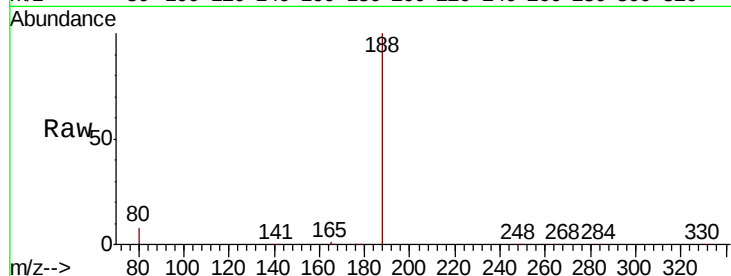
Tgt Ion:188 Resp: 90510

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

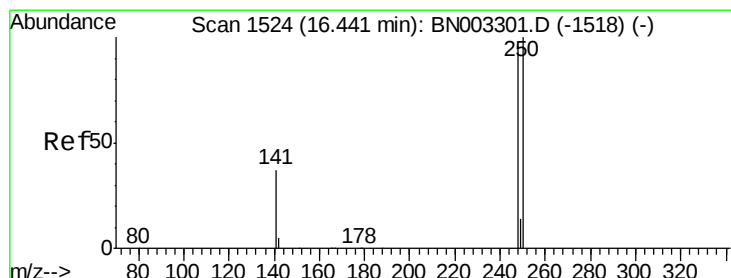
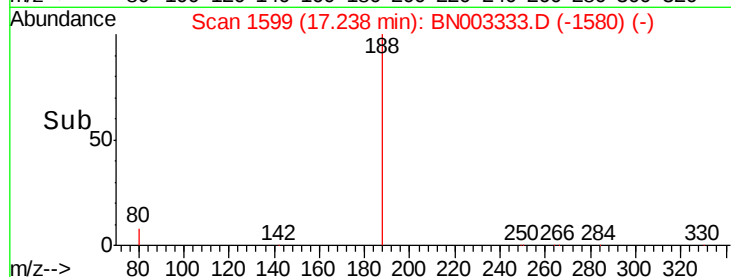
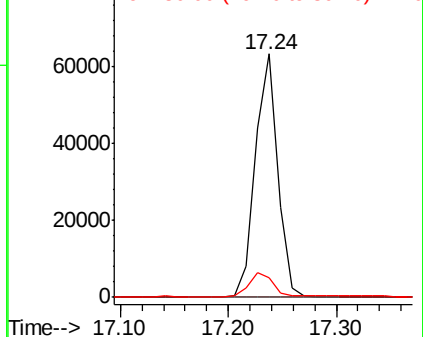
80 7.9 8.6 12.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.257 ng

RT: 16.43 min Scan# 1523

Delta R.T. -0.01 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

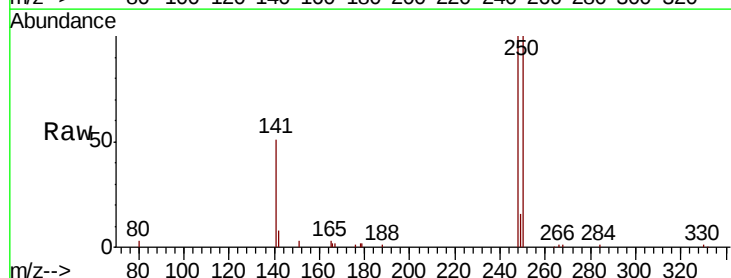
Tgt Ion:248 Resp: 13461

Ion Ratio Lower Upper

248 100

250 100.0 83.7 125.5

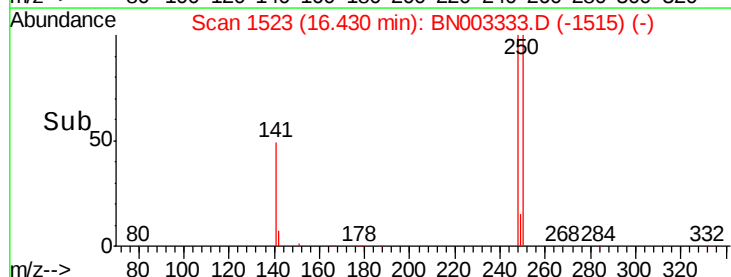
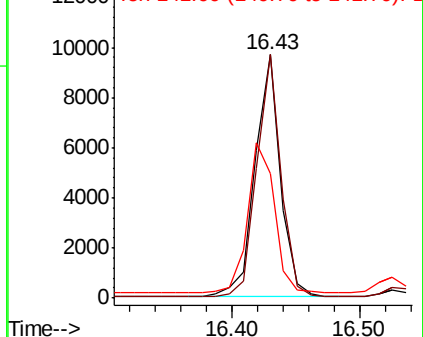
141 51.0 31.4 47.0#

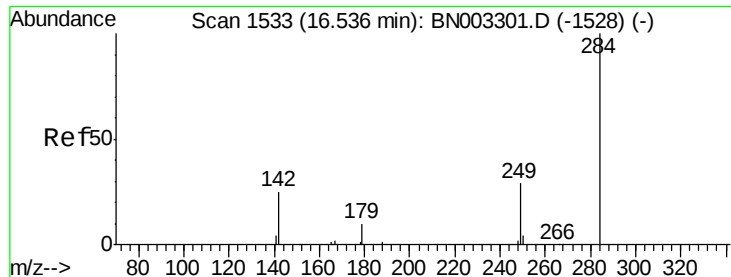


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

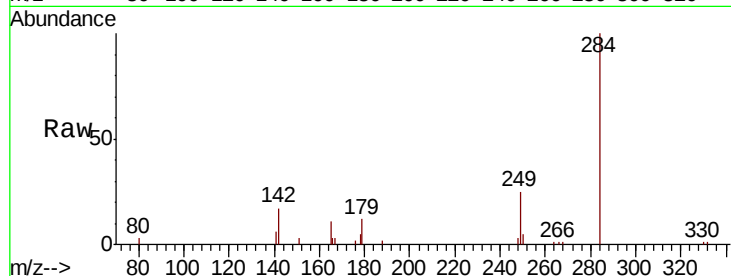




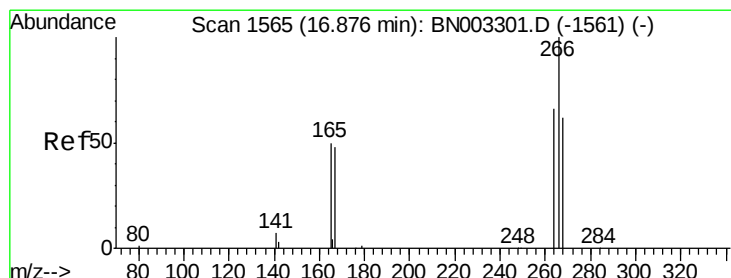
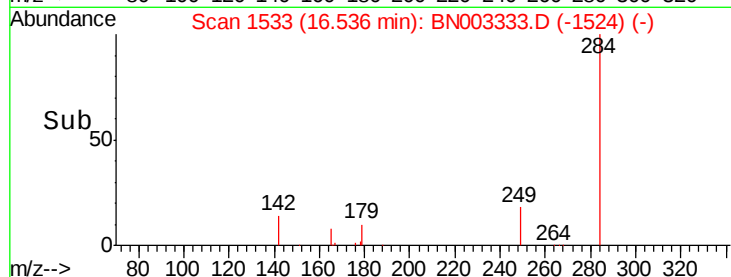
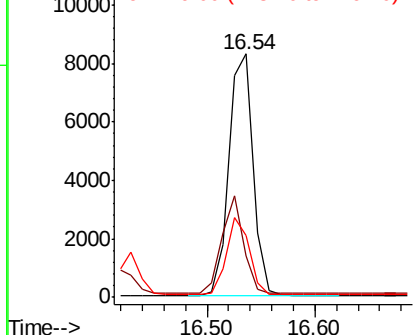
#21
Hexachlorobenzene
Concen: 0.231 ng
RT: 16.54 min Scan# 1533
Delta R.T. -0.00 min
Lab File: BN003333.D
Acq: 29 Oct 2018 12:57

Instrument :
BNA_N
ClientSampleId :
AOC6-01AMSD

Tgt Ion:284 Resp: 12770
Ion Ratio Lower Upper
284 100
142 36.0 29.7 44.5
249 30.1 24.0 36.0

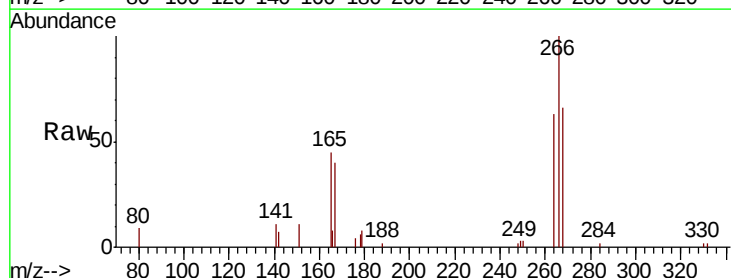


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

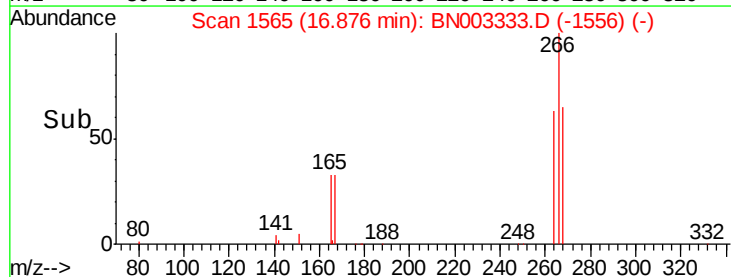
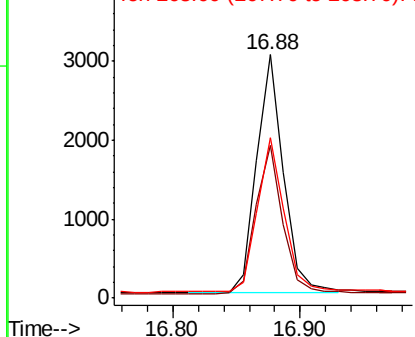


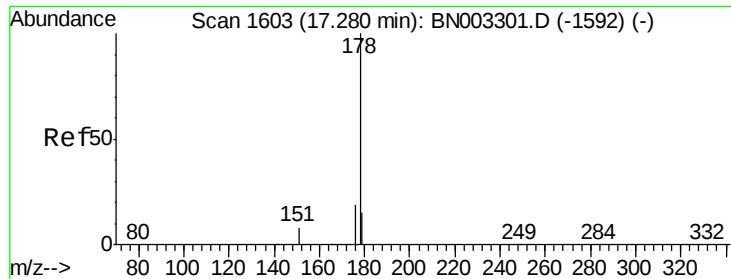
#22
Pentachlorophenol
Concen: 0.297 ng
RT: 16.88 min Scan# 1565
Delta R.T. -0.00 min
Lab File: BN003333.D
Acq: 29 Oct 2018 12:57

Tgt Ion:266 Resp: 4450
Ion Ratio Lower Upper
266 100
264 62.9 52.1 78.1
268 65.7 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

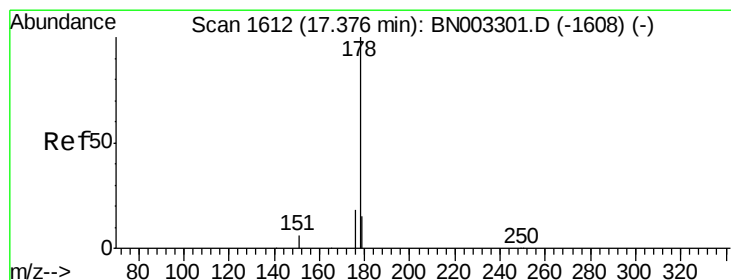
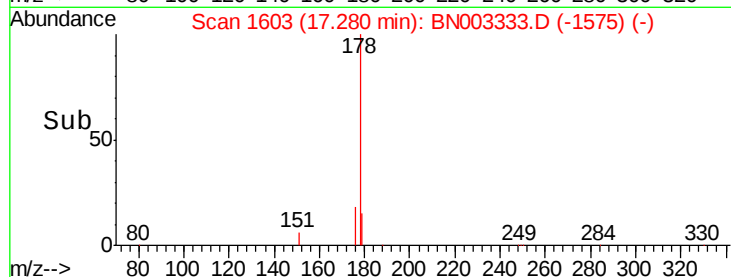
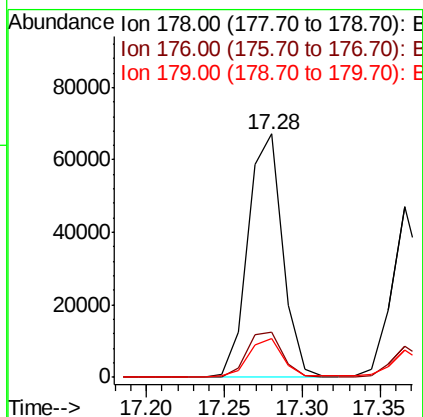
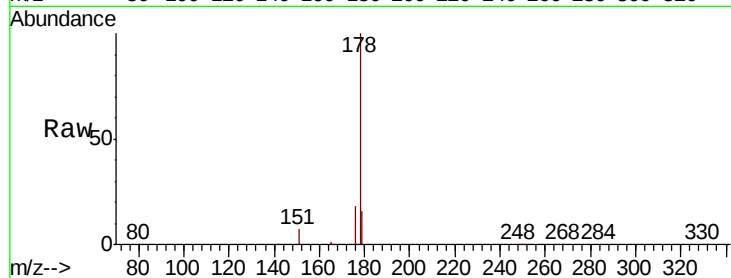




#23
Phenanthrene
Concen: 0.413 ng
RT: 17.28 min Scan# 1603
Delta R.T. -0.00 min
Lab File: BN003333.D
Acq: 29 Oct 2018 12:57

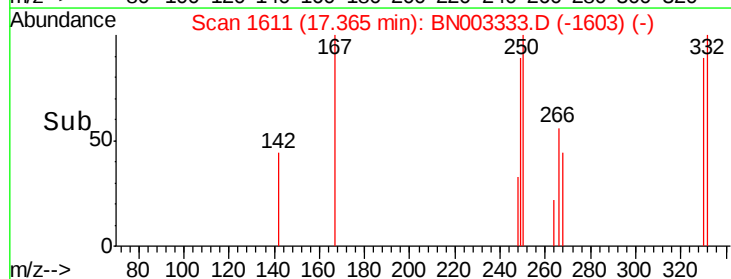
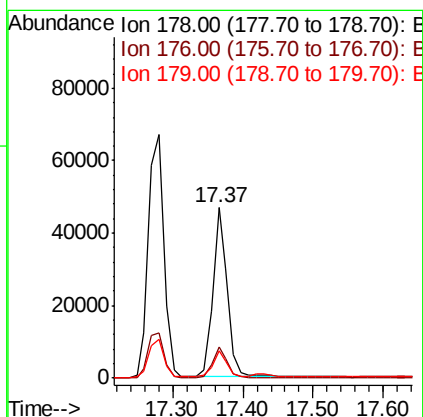
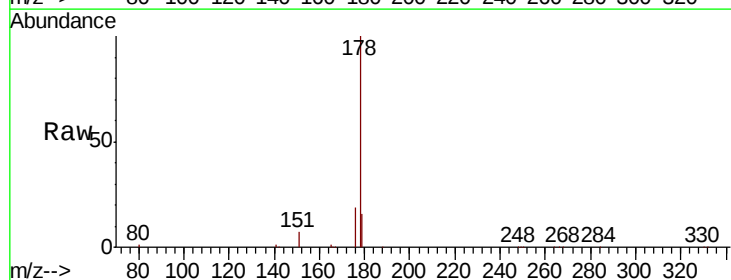
Instrument :
BNA_N
ClientSampleId :
AOC6-01AMSD

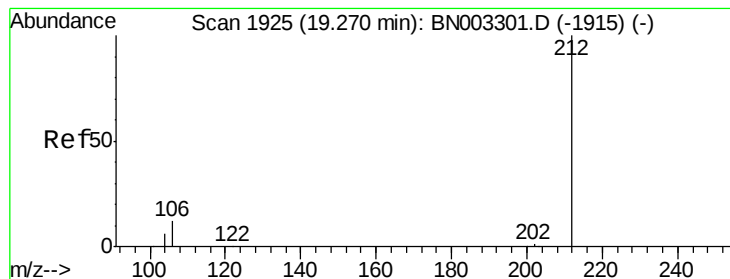
Tgt Ion:178 Resp: 102465
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.5 12.4 18.6



#24
Anthracene
Concen: 0.318 ng
RT: 17.37 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BN003333.D
Acq: 29 Oct 2018 12:57

Tgt Ion:178 Resp: 67758
Ion Ratio Lower Upper
178 100
176 18.2 14.5 21.7
179 15.0 12.2 18.4





#25

Fluoranthene-d10

Concen: 0.252 ng

RT: 19.26 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

Instrument :

BNA_N

ClientSampleId :

AOC6-01AMSD

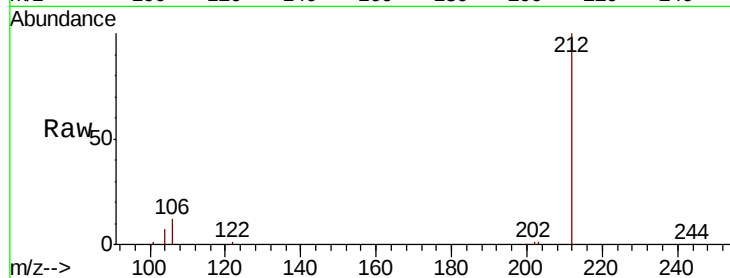
Tgt Ion:212 Resp: 66258

Ion Ratio Lower Upper

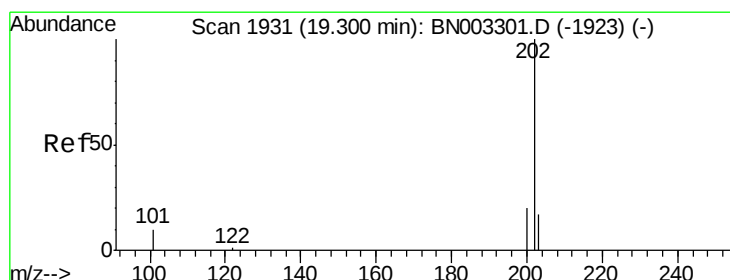
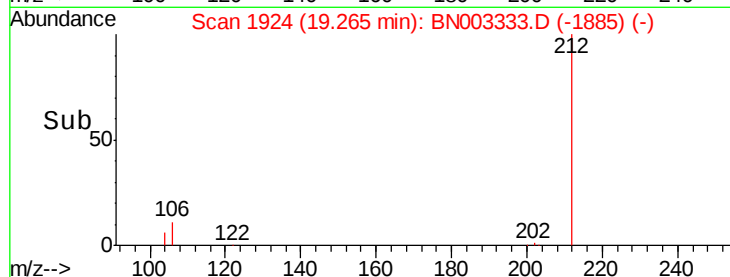
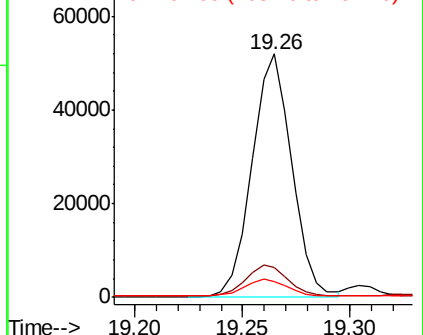
212 100

106 13.2 10.3 15.5

104 7.6 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: 0.676 ng

RT: 19.29 min Scan# 1930

Delta R.T. -0.01 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

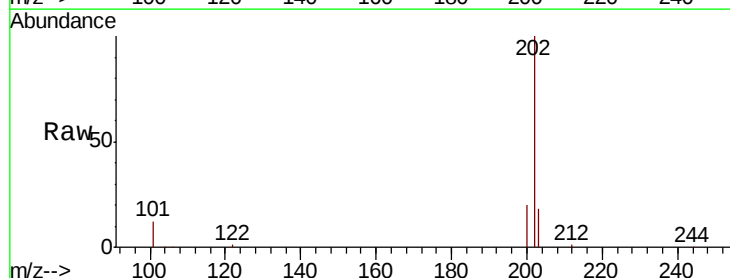
Tgt Ion:202 Resp: 192665

Ion Ratio Lower Upper

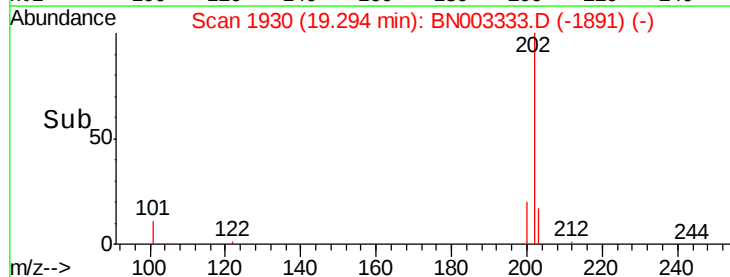
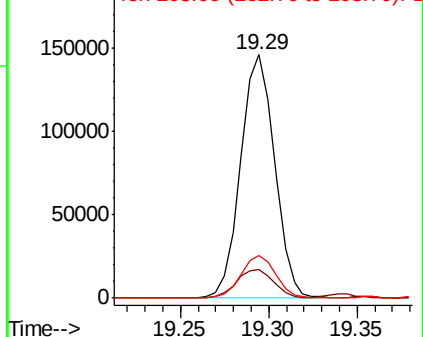
202 100

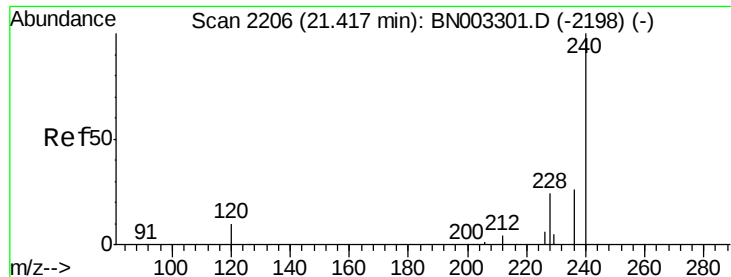
101 12.9 9.0 13.4

203 17.4 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

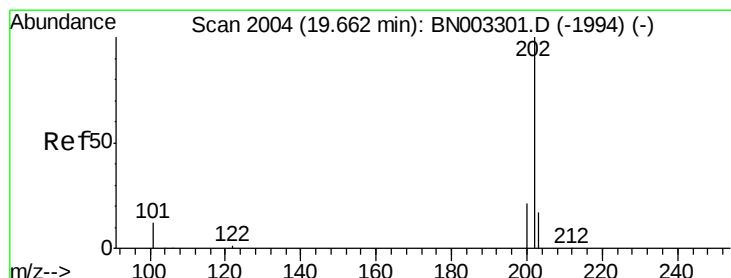
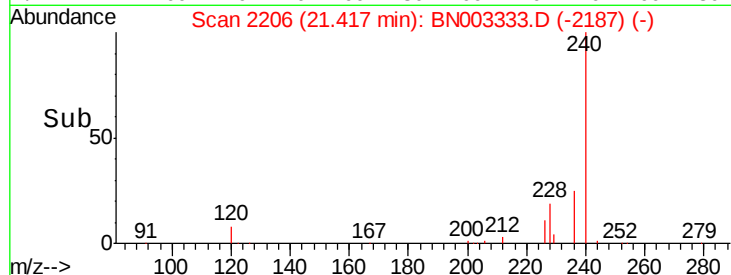
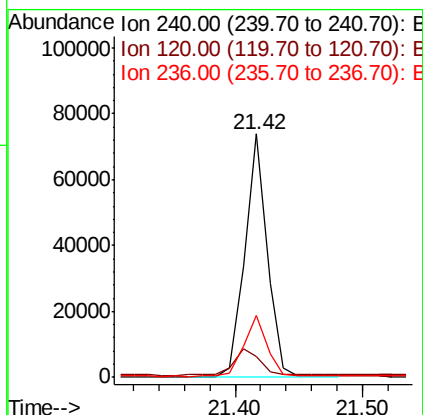
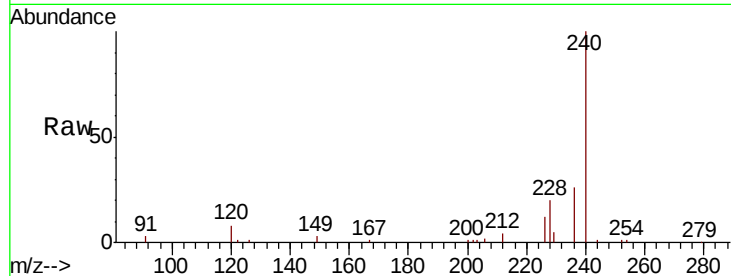




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.42 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BN003333.D
Acq: 29 Oct 2018 12:57

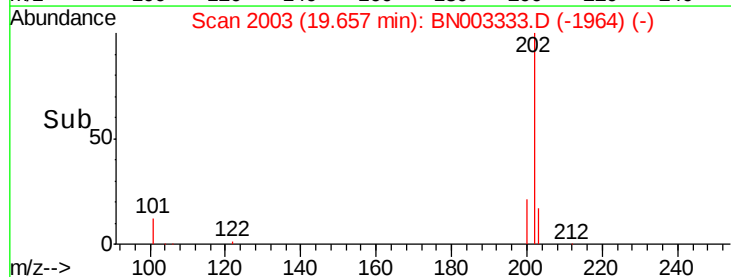
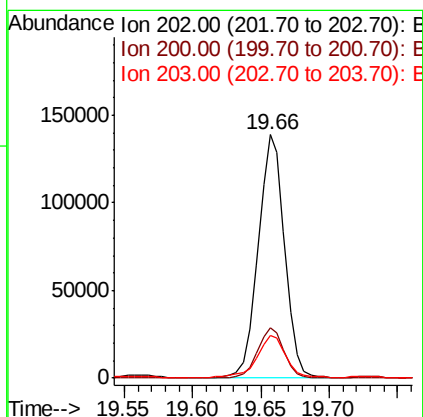
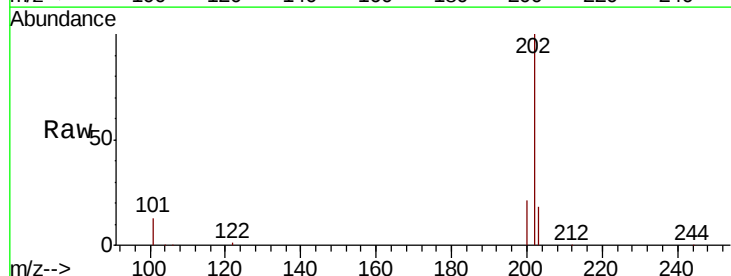
Instrument :
BNA_N
ClientSampleId :
AOC6-01AMSD

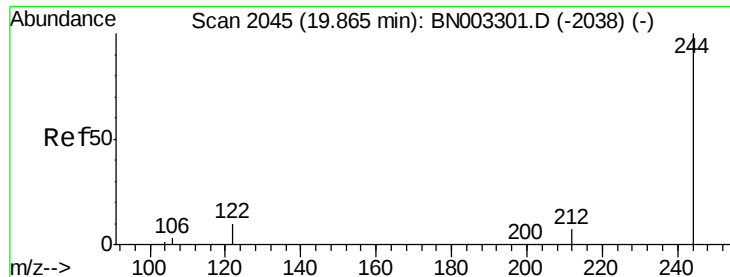
Tgt Ion:240 Resp: 90316
Ion Ratio Lower Upper
240 100
120 8.4 9.3 13.9#
236 25.7 21.0 31.4



#28
Pyrene
Concen: 0.743 ng
RT: 19.66 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BN003333.D
Acq: 29 Oct 2018 12:57

Tgt Ion:202 Resp: 185515
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 18.6 13.9 20.9





#29

Terphenyl-d14

Concen: 0.274 ng

RT: 19.86 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

Instrument :

BNA_N

ClientSampleId :

AOC6-01AMSD

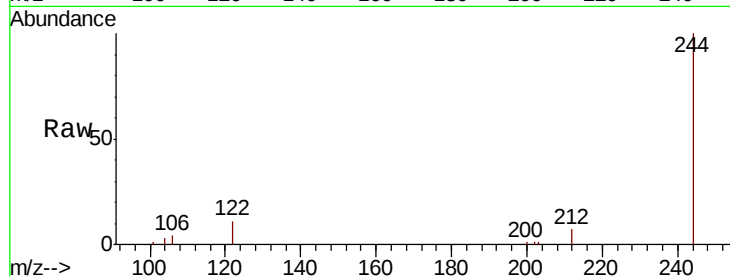
Tgt Ion:244 Resp: 57663

Ion Ratio Lower Upper

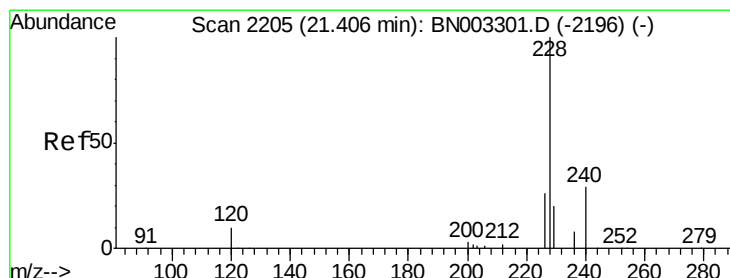
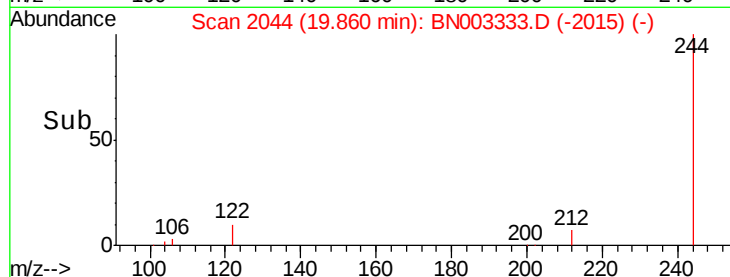
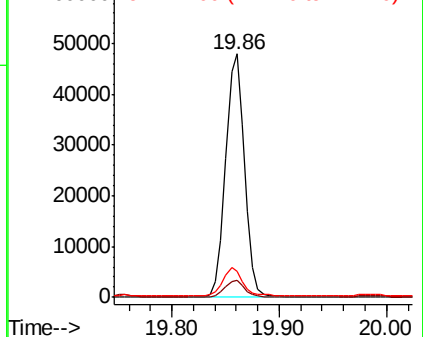
244 100

212 7.0 5.6 8.4

122 10.7 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: 0.571 ng

RT: 21.40 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

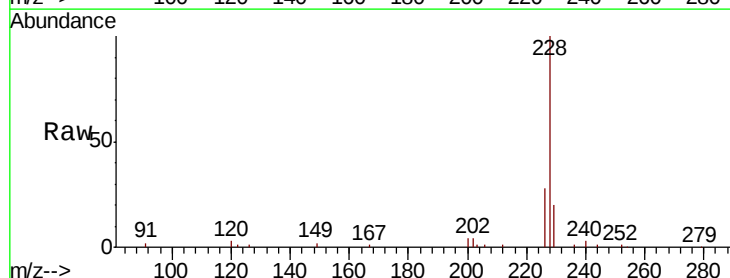
Tgt Ion:228 Resp: 135174

Ion Ratio Lower Upper

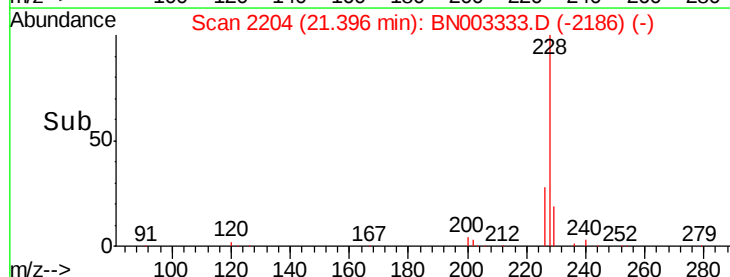
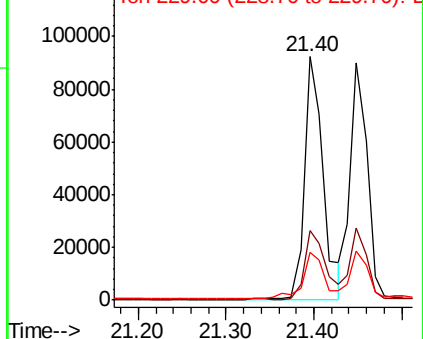
228 100

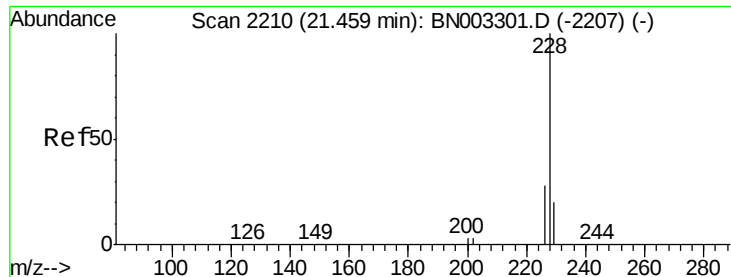
226 28.4 20.8 31.2

229 19.9 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: 0.471 ng

RT: 21.45 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

Instrument :

BNA_N

ClientSampleId :

AOC6-01AMSD

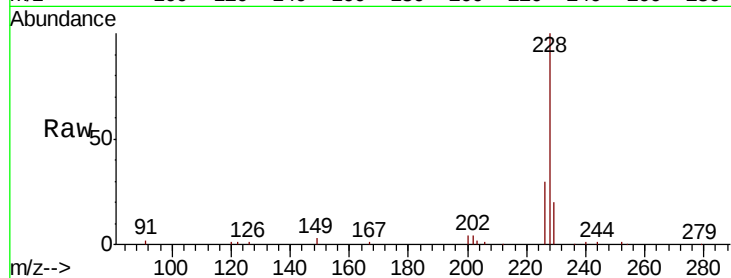
Tgt Ion:228 Resp: 120274

Ion Ratio Lower Upper

228 100

226 30.4 22.7 34.1

229 20.4 16.0 24.0

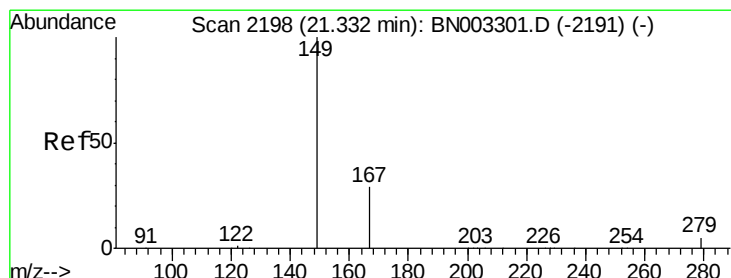
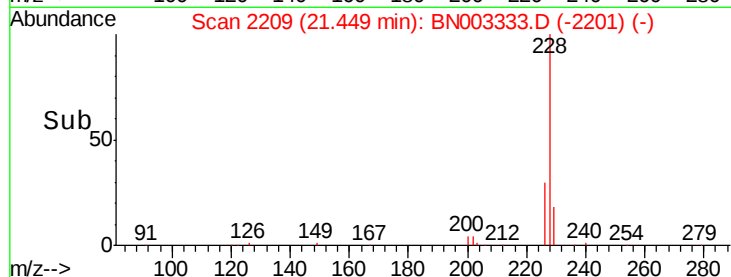
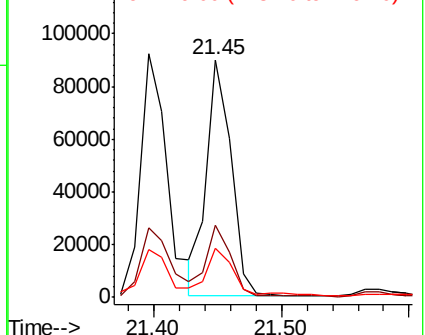


Abundance

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: 1.017 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

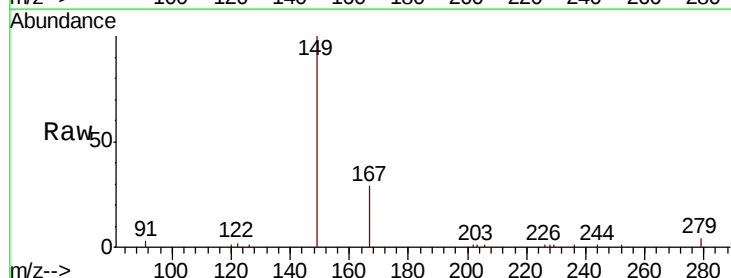
Tgt Ion:149 Resp: 71250

Ion Ratio Lower Upper

149 100

167 28.1 22.4 33.6

279 5.0 3.9 5.9

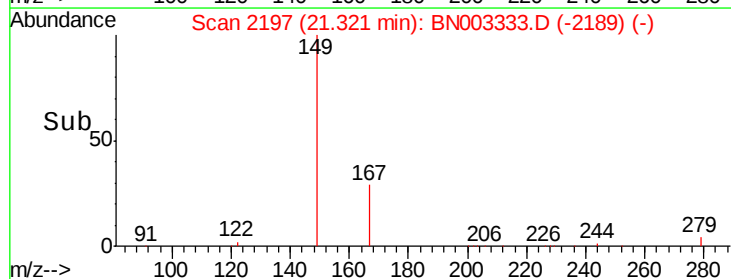
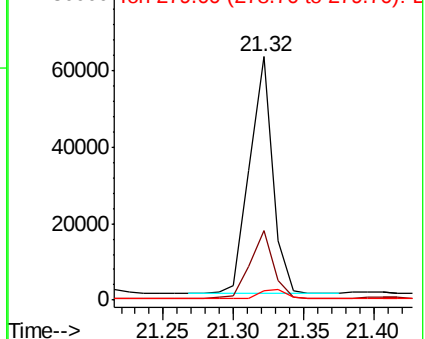


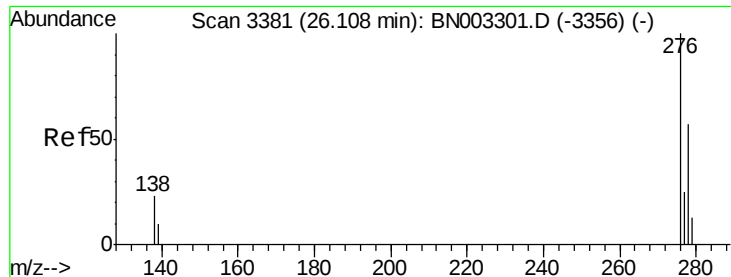
Abundance

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: 0.373 ng

RT: 26.10 min Scan# 3378

Delta R.T. -0.01 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

Instrument :

BNA_N

ClientSampleId :

AOC6-01AMSD

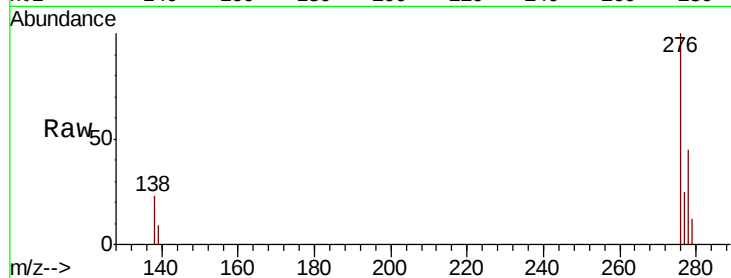
Tgt Ion:276 Resp: 98569

Ion Ratio Lower Upper

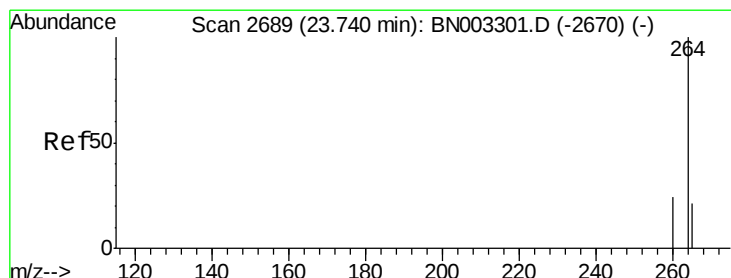
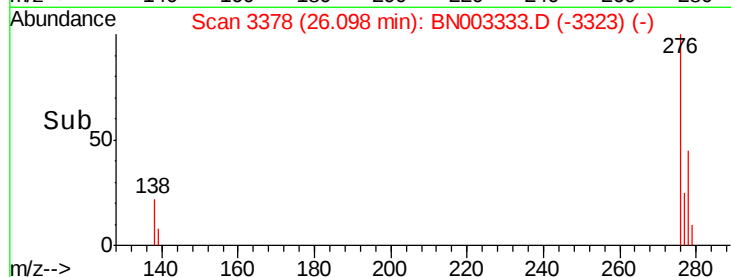
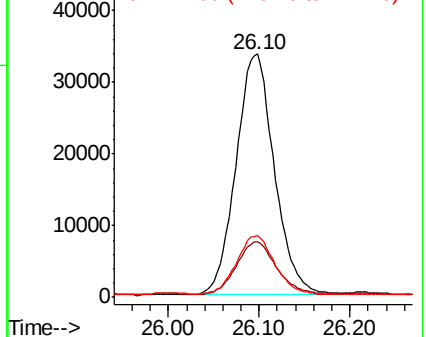
276 100

138 22.8 20.6 30.8

277 24.5 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: 23.74 min Scan# 2688

Delta R.T. -0.00 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

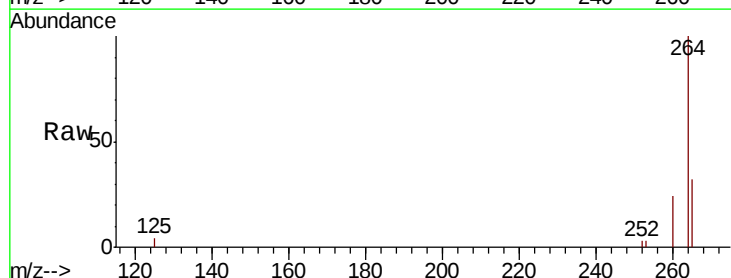
Tgt Ion:264 Resp: 77826

Ion Ratio Lower Upper

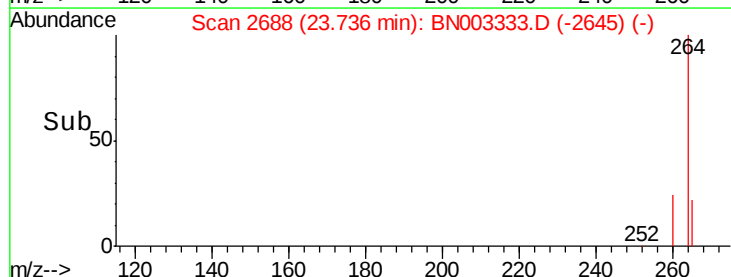
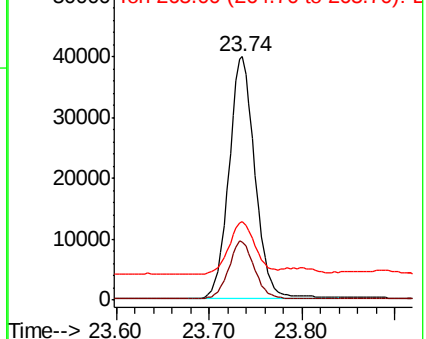
264 100

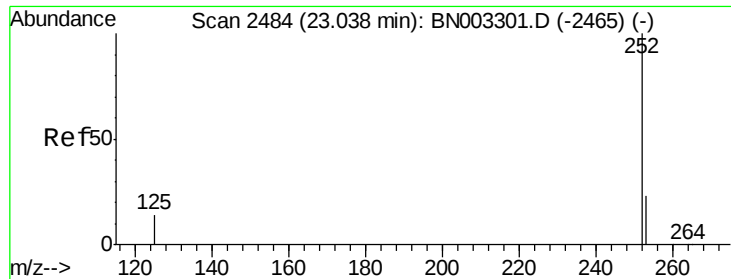
260 24.0 19.1 28.7

265 32.1 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: 0.392 ng

RT: 23.08 min Scan# 2495

Delta R.T. 0.04 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

Instrument :

BNA_N

ClientSampleId :

AOC6-01AMSD

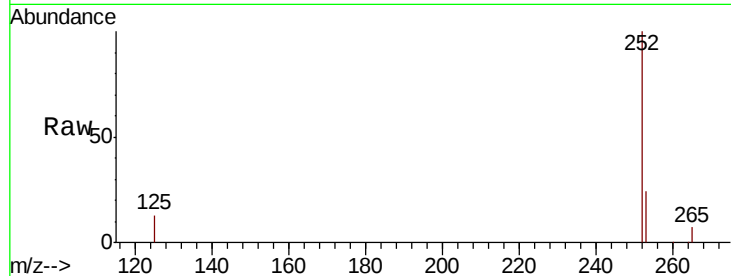
Tgt Ion:252 Resp: 95240

Ion Ratio Lower Upper

252 100

253 24.0 19.3 28.9

125 13.1 12.7 19.1

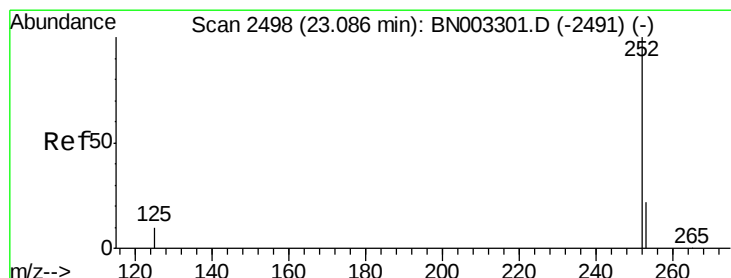
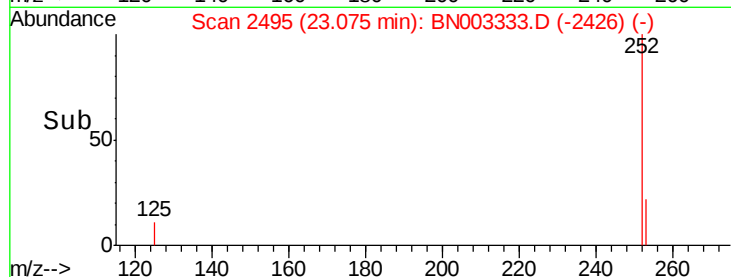
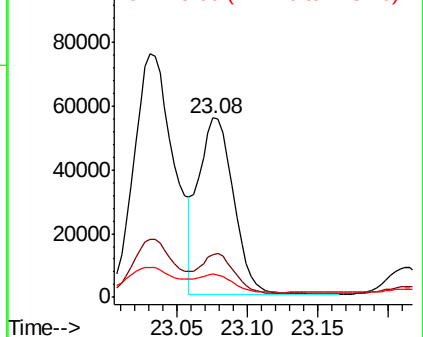


Abundance

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

Benzo(k)fluoranthene

Concen: 0.402 ng

RT: 23.08 min Scan# 2495

Delta R.T. -0.01 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

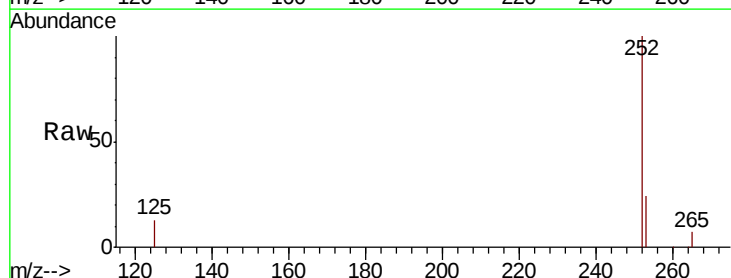
Tgt Ion:252 Resp: 96593

Ion Ratio Lower Upper

252 100

253 24.0 18.5 27.7

125 13.1 9.1 13.7

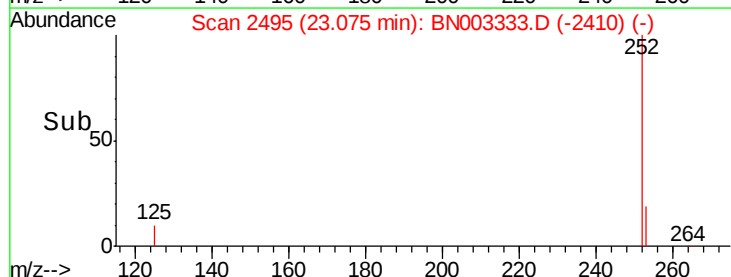
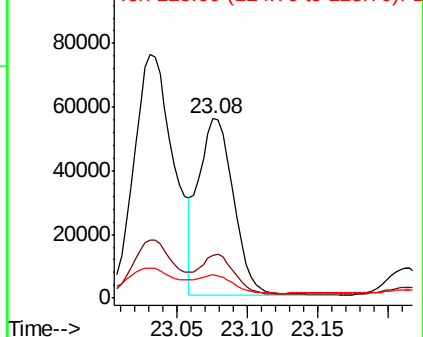


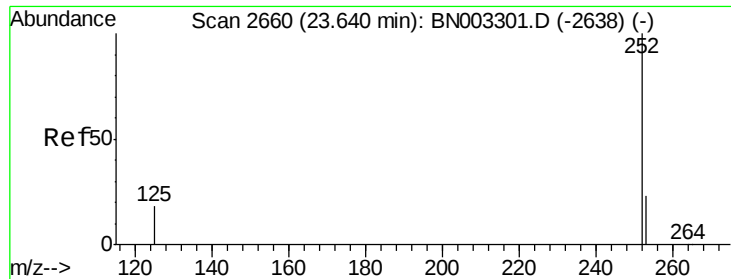
Abundance

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





#37

Benzo(a)pyrene

Concen: 0.207 ng

RT: 23.53 min Scan# 2628

Delta R.T. -0.11 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

Instrument :

BNA_N

ClientSampleId :

AOC6-01AMSD

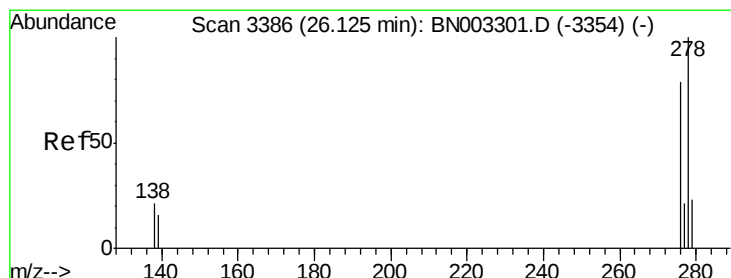
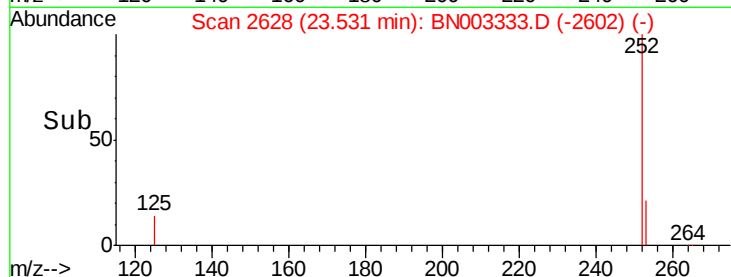
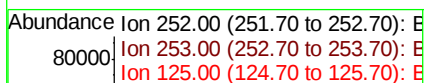
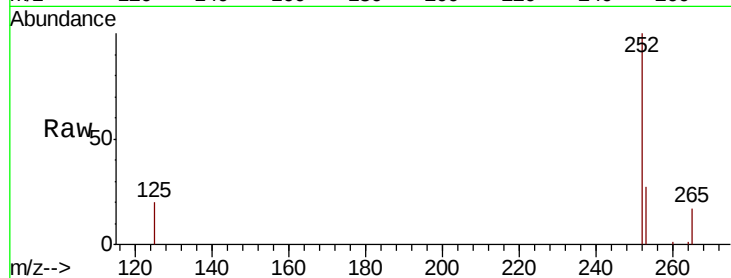
Tgt Ion:252 Resp: 45664

Ion Ratio Lower Upper

252 100

253 26.6 20.1 30.1

125 19.5 16.0 24.0



#38

Dibenzo(a,h)anthracene

Concen: 0.278 ng

RT: 26.11 min Scan# 3382

Delta R.T. -0.01 min

Lab File: BN003333.D

Acq: 29 Oct 2018 12:57

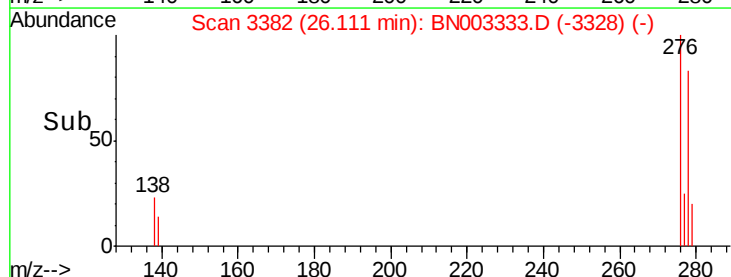
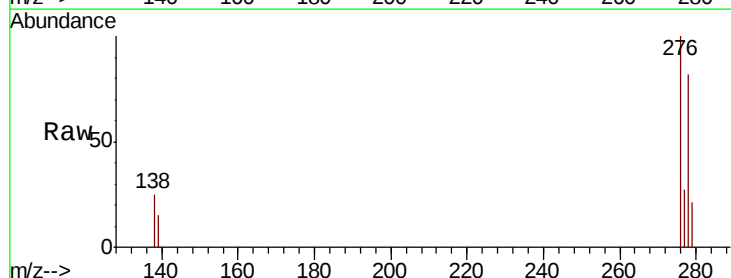
Tgt Ion:278 Resp: 57153

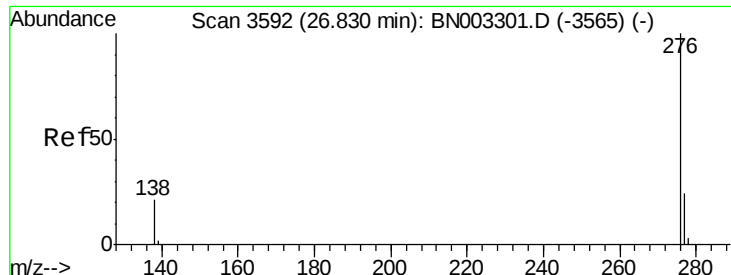
Ion Ratio Lower Upper

278 100

139 18.8 13.5 20.3

279 26.2 19.8 29.6





#39

Benzo(g,h,i)perylene

Concen: 0.436 ng

RT: 26.82 min Scan# 3589

Delta R.T. -0.01 min

Lab File: BN003333.D

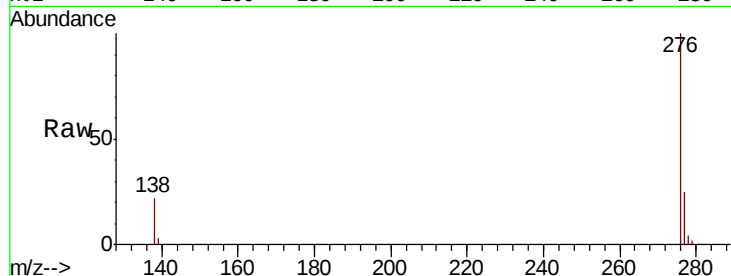
Acq: 29 Oct 2018 12:57

Instrument :

BNA_N

ClientSampleId :

AOC6-01AMSD



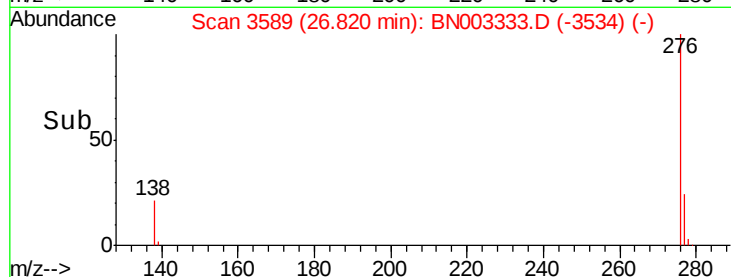
Tgt Ion: 276 Resp: 89749

Ion Ratio Lower Upper

276 100

277 24.7 19.5 29.3

138 22.1 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

