

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101718\
 Data File : BN003175.D
 Acq On : 17 Oct 2018 10:51
 Operator : MJ/SJ
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 17 11:31:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN101718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 17 11:27:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	1181	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	5000	0.40	ng	0.00
13) Acenaphthene-d10	14.28	164	3365	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	8529	0.40	ng	0.00
27) Chrysene-d12	21.25	240	10998	0.40	ng	0.00
34) Perylene-d12	23.47	264	11595	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.30	112	1070	0.37	ng	0.00
5) Phenol-d6	6.94	99	1372	0.37	ng	0.00
8) Nitrobenzene-d5	8.87	82	1172	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.04	152	3236	0.44	ng	0.00
14) 2,4,6-Tribromophenol	15.83	330	750	0.43	ng	0.00
15) 2-Fluorobiphenyl	12.93	172	5046	0.41	ng	0.00
25) Fluoranthene-d10	19.08	212	10060	0.46	ng	0.00
29) Terphenyl-d14	19.67	244	8709	0.36	ng	0.00

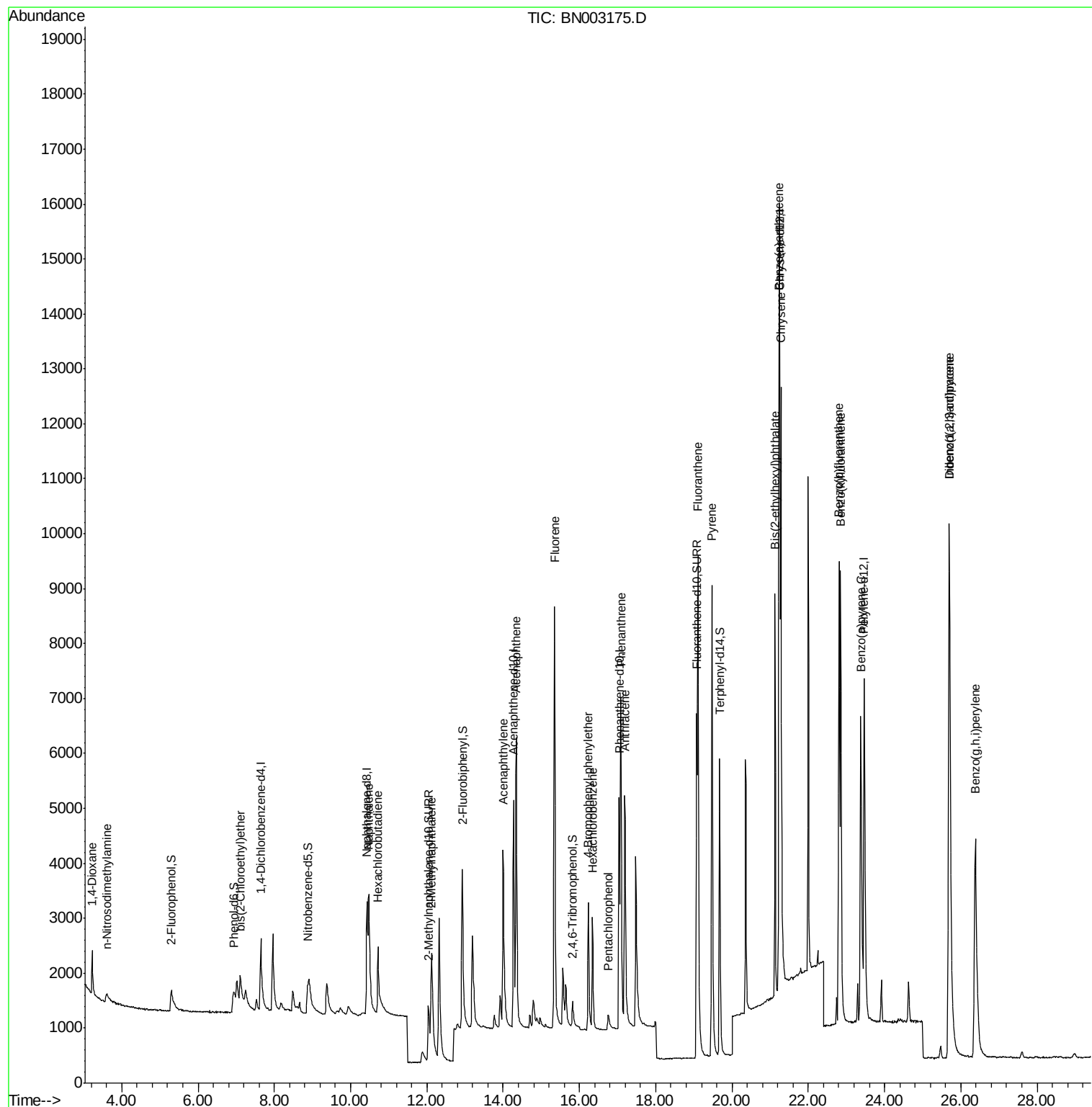
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.23	88	613	0.467	ng	99
3) n-Nitrosodimethylamine	3.61	42	238	0.359	ng	# 93
6) bis(2-Chloroethyl)ether	7.10	93	1296	0.396	ng	90
9) Naphthalene	10.48	128	4804	0.422	ng	97
10) Hexachlorobutadiene	10.72	225	938	0.417	ng	# 98
12) 2-Methylnaphthalene	12.12	142	3261	0.418	ng	99
16) Acenaphthylene	14.00	152	5851	0.420	ng	99
17) Acenaphthene	14.34	154	3900	0.418	ng	99
18) Fluorene	15.35	166	5100	0.436	ng	99
20) 4-Bromophenyl-phenylether	16.23	248	1801	0.387	ng	95
21) Hexachlorobenzene	16.35	284	2020	0.404	ng	98
22) Pentachlorophenol	16.75	266	335	0.319	ng	95
23) Phenanthrene	17.09	178	8575	0.406	ng	100
24) Anthracene	17.18	178	7773	0.418	ng	99
26) Fluoranthene	19.11	202	10916	0.456	ng	100
28) Pyrene	19.47	202	11422	0.354	ng	99
30) Benzo(a)anthracene	21.24	228	10291	0.400	ng	100
31) Chrysene	21.28	228	13129	0.409	ng	99
32) Bis(2-ethylhexyl)phthalate	21.13	149	6728	0.390	ng	99
33) Indeno(1,2,3-cd)pyrene	25.70	276	14666	0.538	ng	98
35) Benzo(b)fluoranthene	22.81	252	11429	0.353	ng	98
36) Benzo(k)fluoranthene	22.85	252	14127	0.399	ng	98
37) Benzo(a)pyrene	23.38	252	12012	0.399	ng	98
38) Dibenzo(a,h)anthracene	25.70	278	12223	0.447	ng	97
39) Benzo(g,h,i)perylene	26.38	276	12389	0.443	ng	99

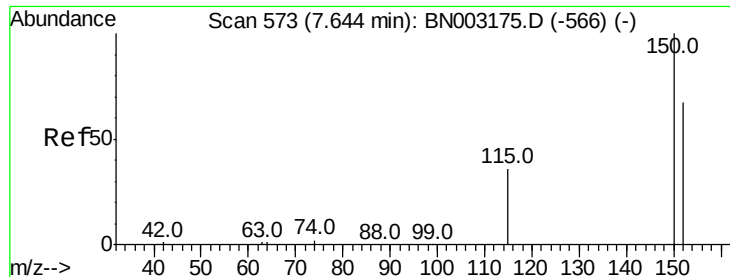
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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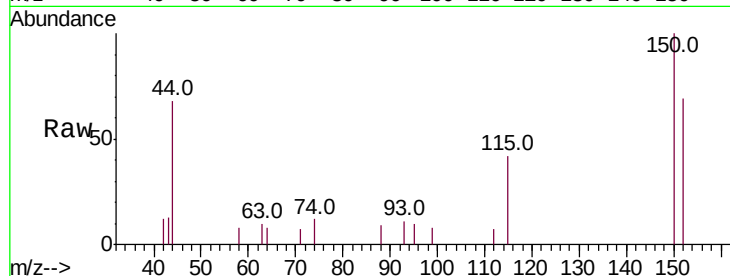


#1

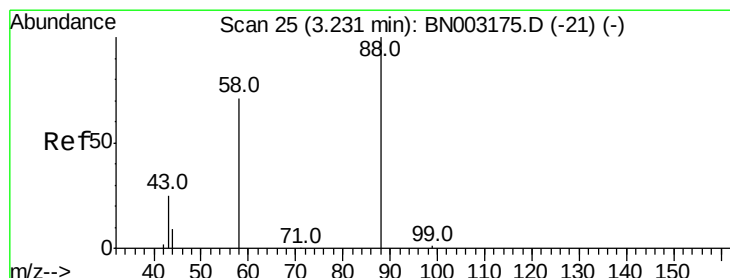
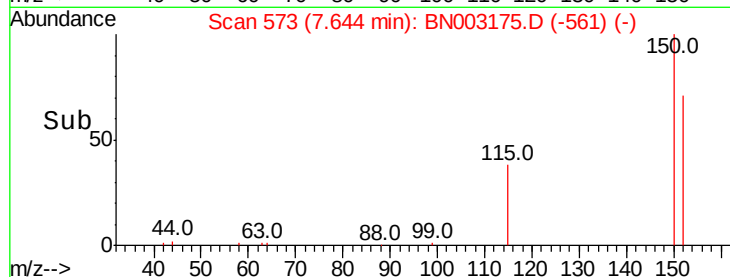
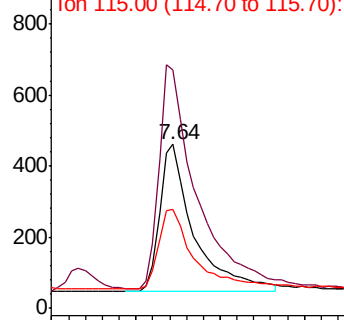
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 573
Delta R.T. 0.00 min
Lab File: BN003175.D
Acq: 17 Oct 2018 10:51

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 1181
Ion Ratio Lower Upper
152 100
150 145.3 126.2 189.4
115 60.5 49.8 74.6



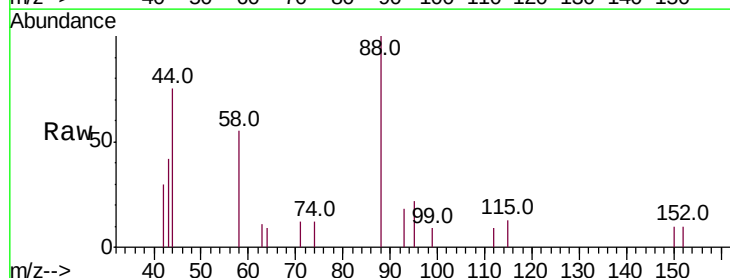
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



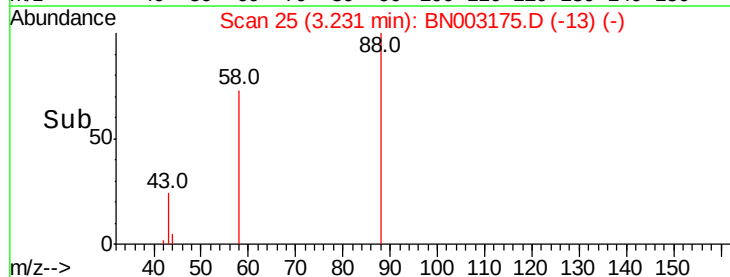
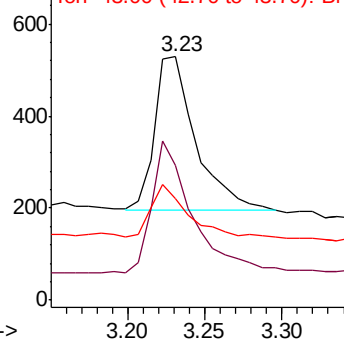
#2

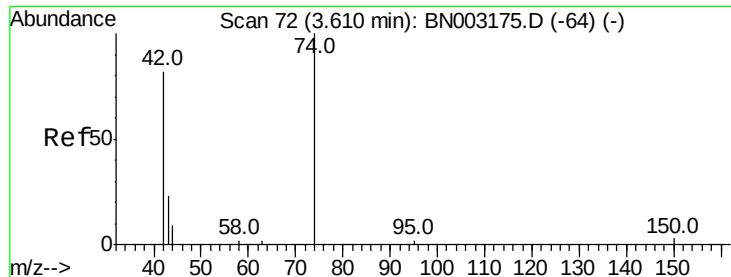
1,4-Dioxane
Concen: 0.467 ng
RT: 3.23 min Scan# 25
Delta R.T. 0.00 min
Lab File: BN003175.D
Acq: 17 Oct 2018 10:51

Tgt Ion: 88 Resp: 613
Ion Ratio Lower Upper
88 100
58 84.7 66.7 100.1
43 30.3 24.6 37.0



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: 0.359 ng

RT: 3.61 min Scan# 72

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

Instrument :

BNA_N

ClientSampleId :

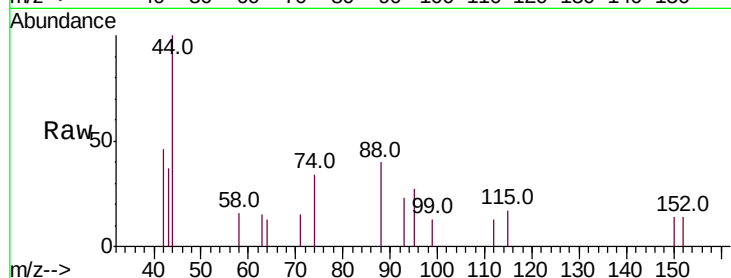
Tot Ion: 42 Resp: 238

Ion Ratio Lower Upper

42 100

74 136.6 102.9 154.3

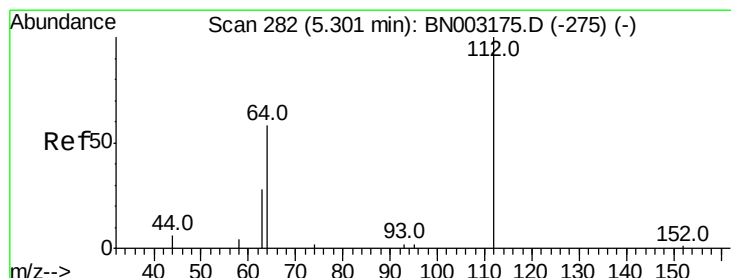
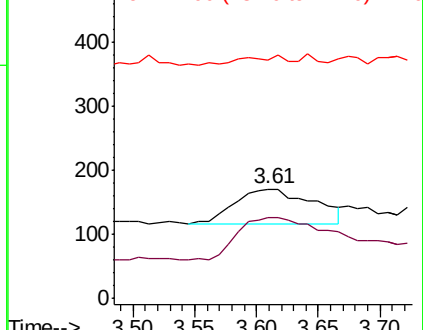
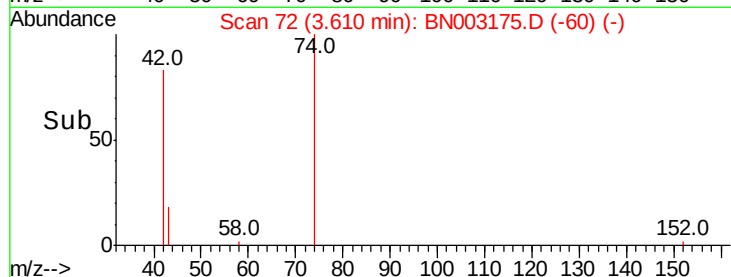
44 10.9 0.0 0.0#



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



#4

2-Fluorophenol

Concen: 0.371 ng

RT: 5.30 min Scan# 282

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

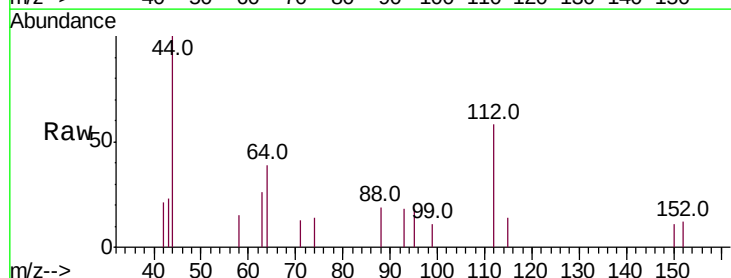
Tgt Ion: 112 Resp: 1070

Ion Ratio Lower Upper

112 100

64 59.8 49.0 73.4

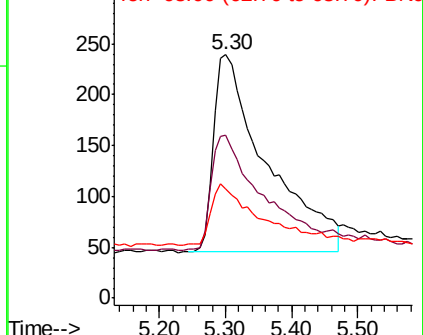
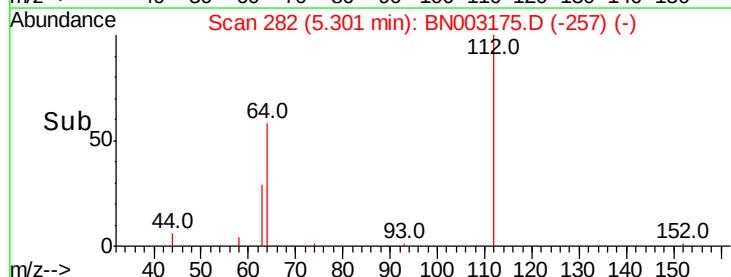
63 30.2 25.9 38.9

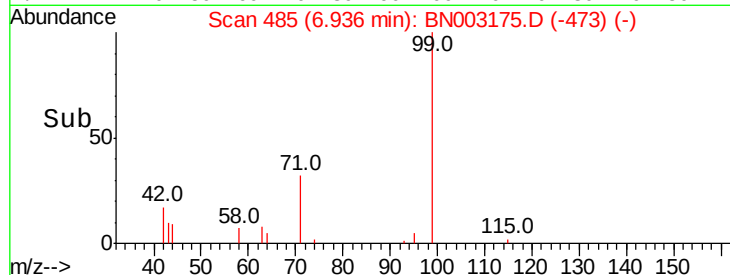
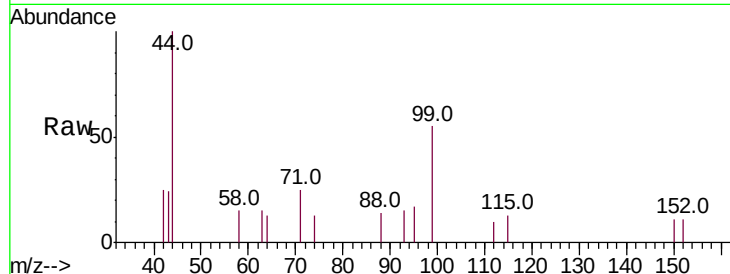
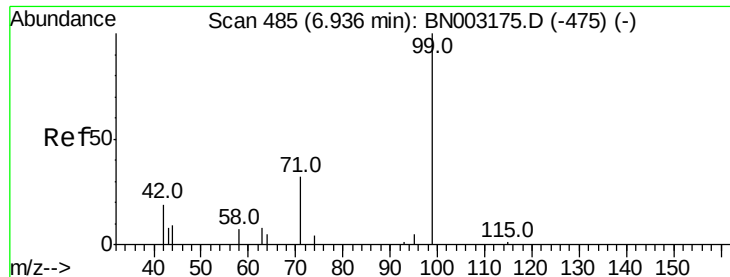


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.374 ng

RT: 6.94 min Scan# 485

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

Instrument :

BNA_N

ClientSampled :

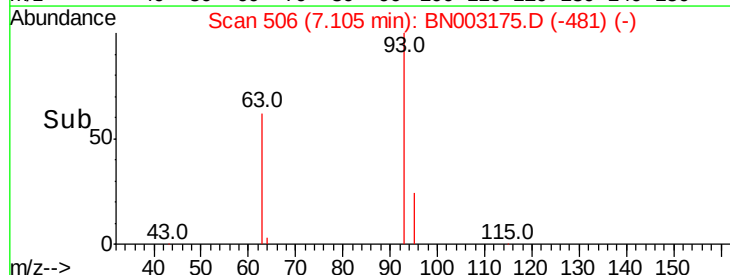
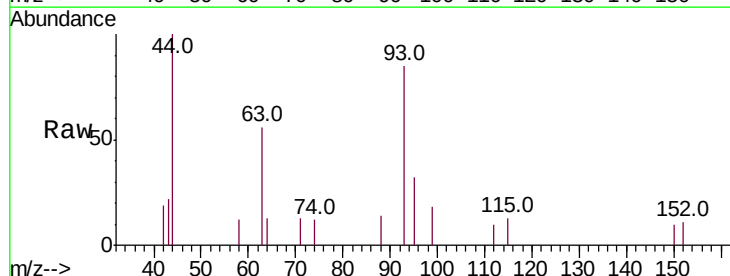
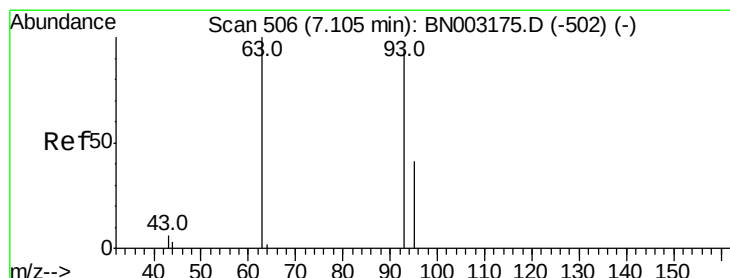
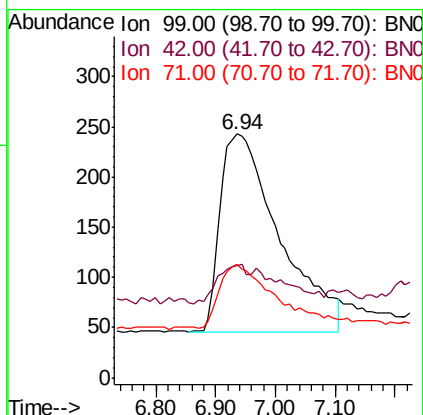
Tot Ion: 99 Resp: 1372

Ion Ratio Lower Upper

99 100

42 10.6 15.4 23.2#

71 31.0 26.0 39.0



#6

bis(2-Chloroethyl)ether

Concen: 0.396 ng

RT: 7.10 min Scan# 506

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

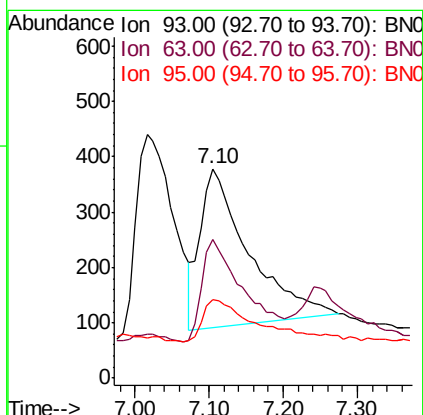
Tgt Ion: 93 Resp: 1296

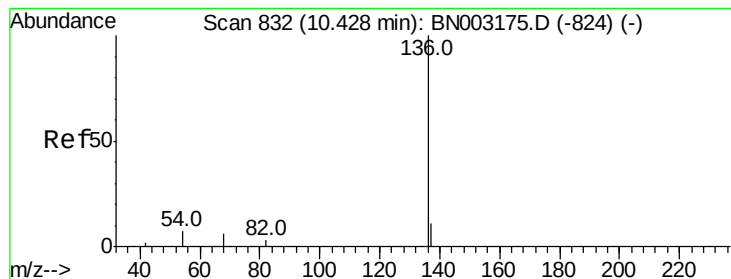
Ion Ratio Lower Upper

93 100

63 57.8 54.2 81.4

95 28.8 24.9 37.3





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.43 min Scan# 832

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

Instrument :

BNA_N

ClientSampled :

Tot Ion:136 Resp: 5000

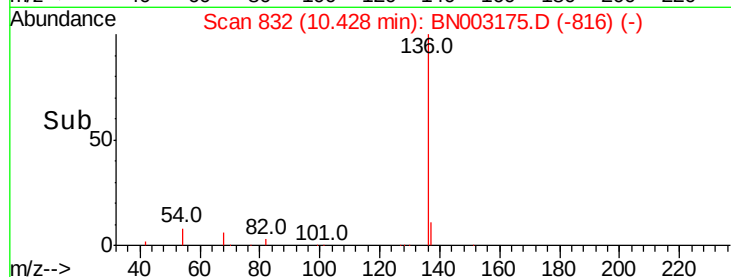
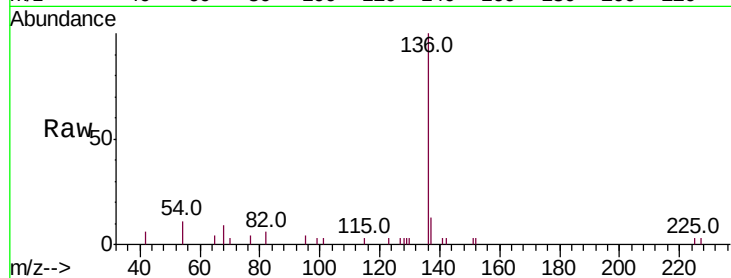
Ion Ratio Lower Upper

136 100

137 13.2 9.4 14.0

54 11.0 7.4 11.0

68 8.7 5.8 8.6#

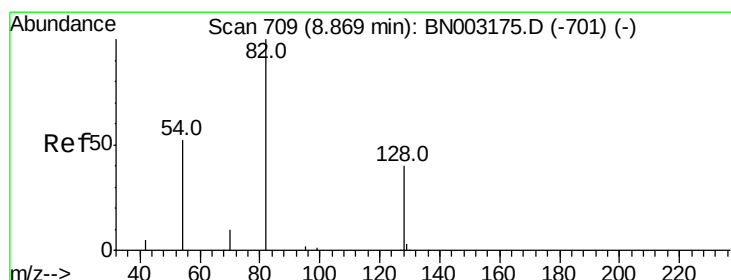
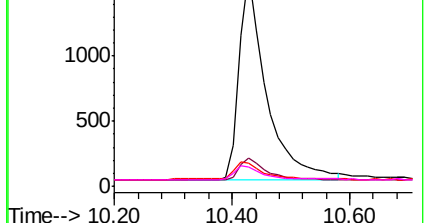


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.381 ng

RT: 8.87 min Scan# 709

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

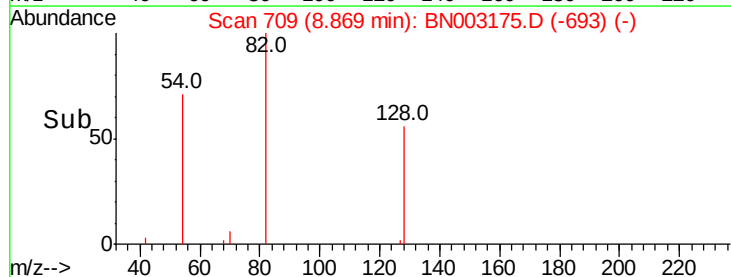
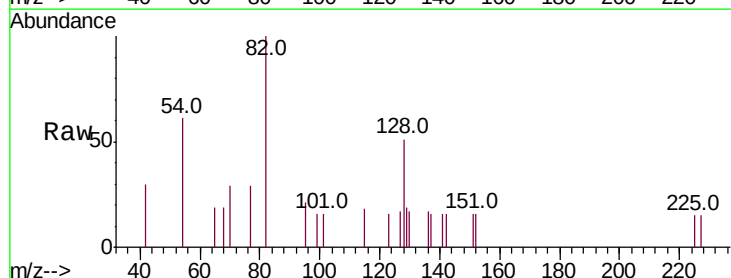
Tgt Ion: 82 Resp: 1172

Ion Ratio Lower Upper

82 100

128 50.5 38.2 57.4

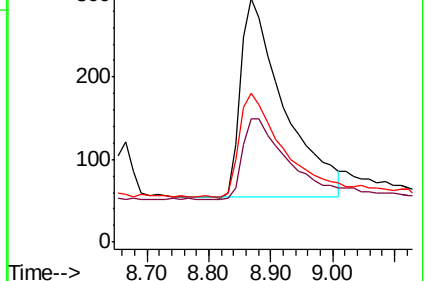
54 61.0 44.1 66.1

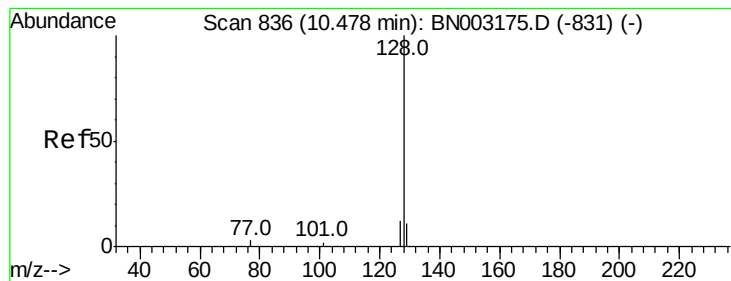


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.422 ng

RT: 10.48 min Scan# 836

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

Instrument :

BNA_N

ClientSampleId :

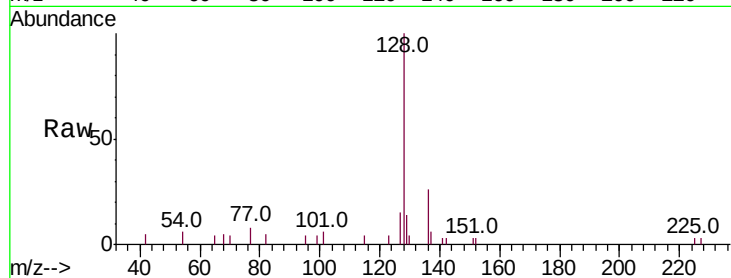
Tot Ion:128 Resp: 4804

Ion Ratio Lower Upper

128 100

129 13.9 9.8 14.6

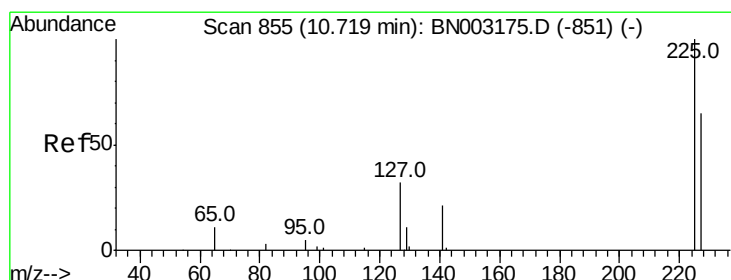
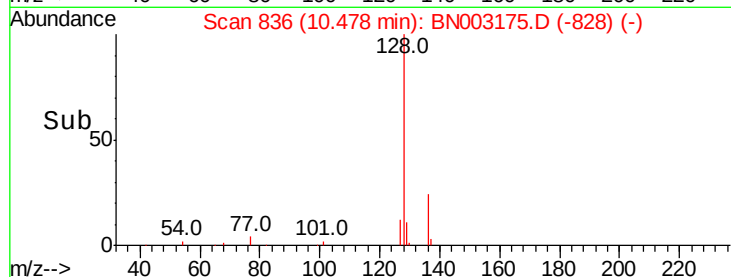
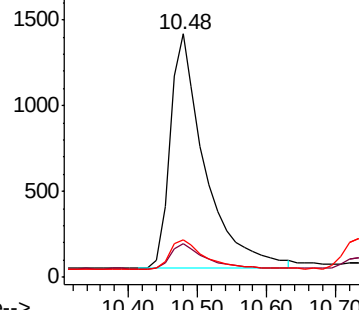
127 15.3 11.4 17.2



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: 0.417 ng

RT: 10.72 min Scan# 855

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

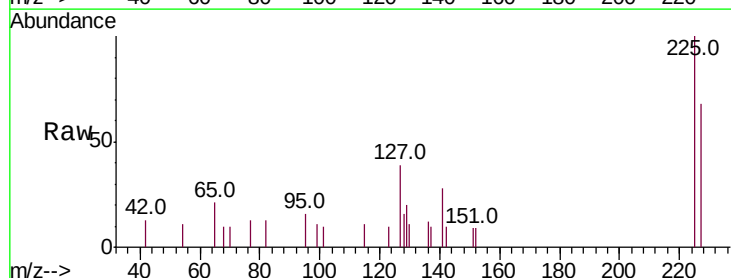
Tgt Ion:225 Resp: 938

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

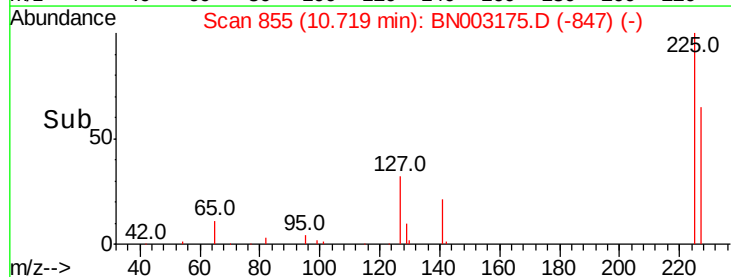
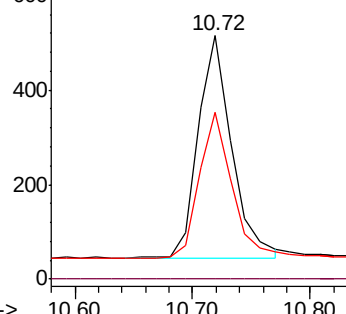
227 63.5 51.8 77.8

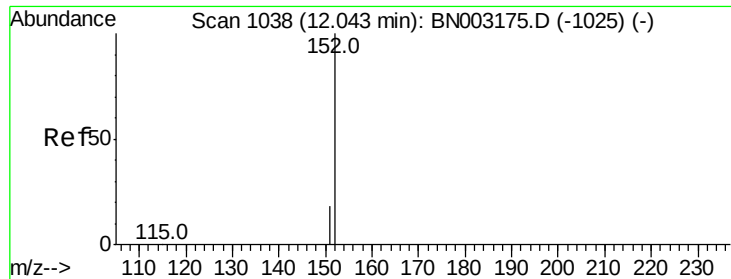


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

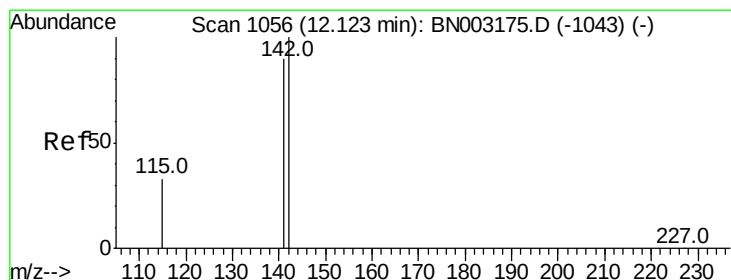
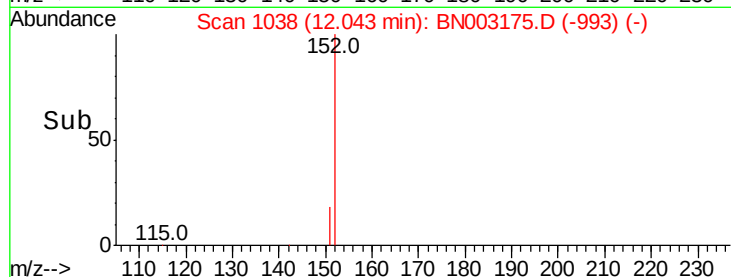
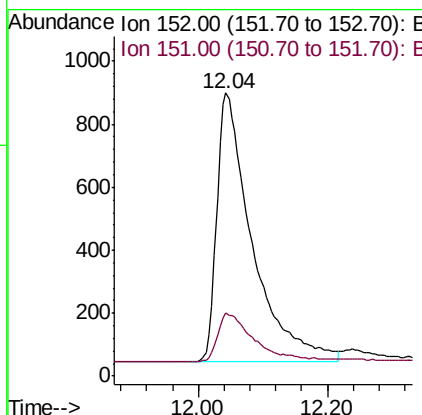
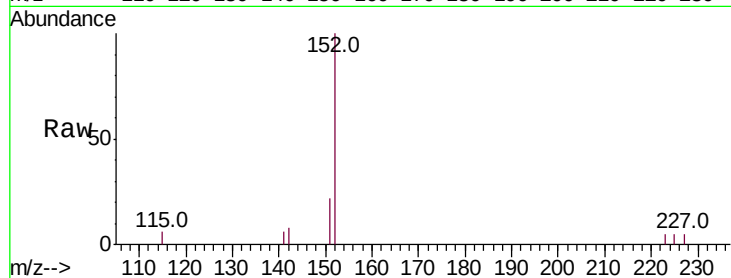




#11
2-Methylnaphthalene-d10
Concen: 0.439 ng
RT: 12.04 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BN003175.D
Acq: 17 Oct 2018 10:51

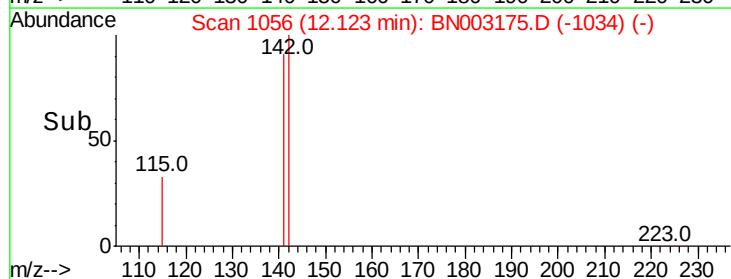
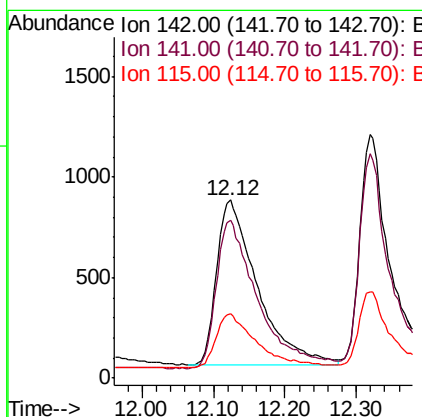
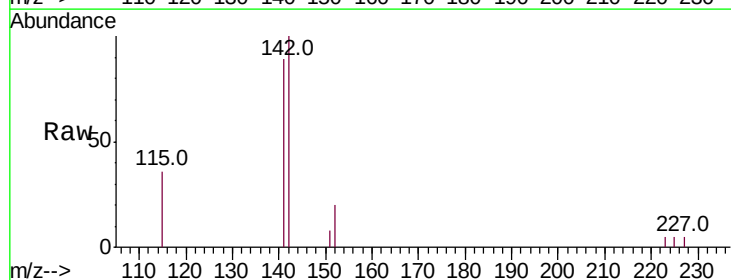
Instrument :
BNA_N
ClientSampleId :

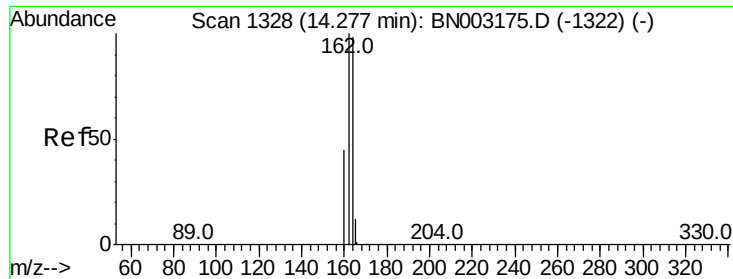
Tot Ion:152 Resp: 3236
Ion Ratio Lower Upper
152 100
151 18.9 15.0 22.4



#12
2-Methylnaphthalene
Concen: 0.418 ng
RT: 12.12 min Scan# 1056
Delta R.T. 0.00 min
Lab File: BN003175.D
Acq: 17 Oct 2018 10:51

Tgt Ion:142 Resp: 3261
Ion Ratio Lower Upper
142 100
141 88.6 71.5 107.3
115 36.2 28.1 42.1





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.28 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

Instrument :

BNA_N

ClientSampleId :

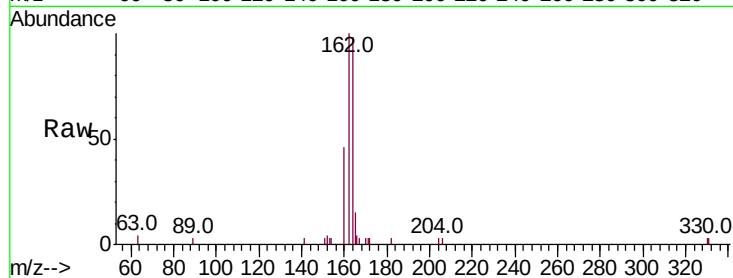
Tot Ion:164 Resp: 3365

Ion Ratio Lower Upper

164 100

162 102.4 81.7 122.5

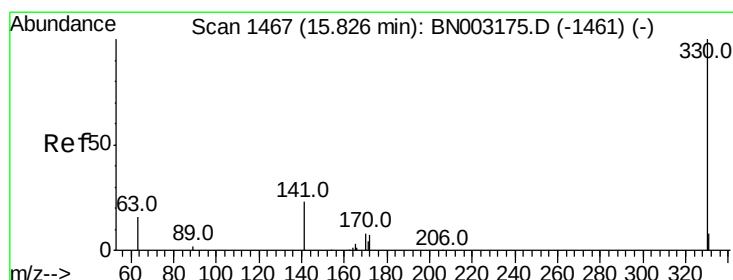
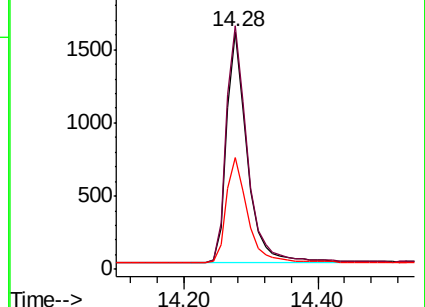
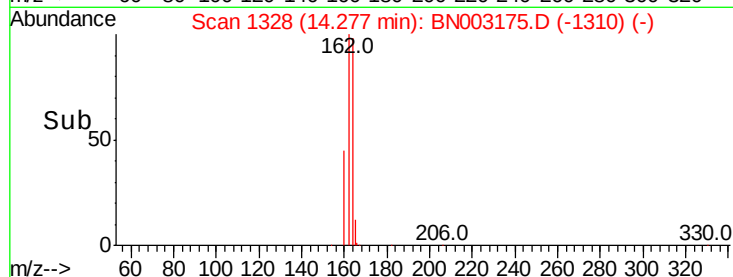
160 47.1 36.3 54.5



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



#14

2,4,6-Tribromophenol

Concen: 0.433 ng

RT: 15.83 min Scan# 1467

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

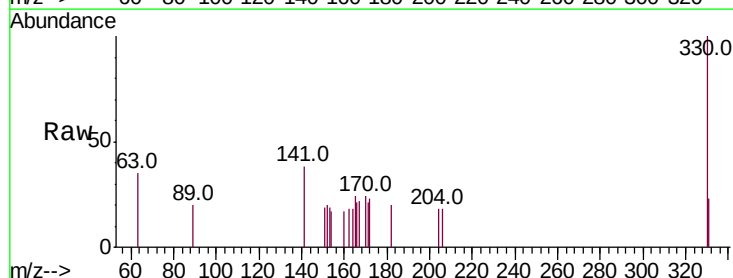
Tgt Ion:330 Resp: 750

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

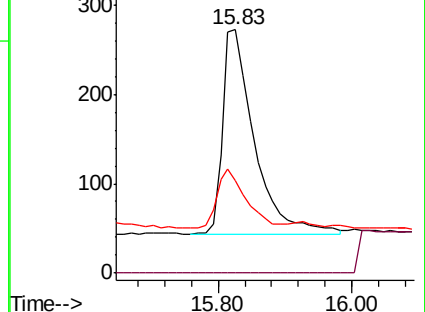
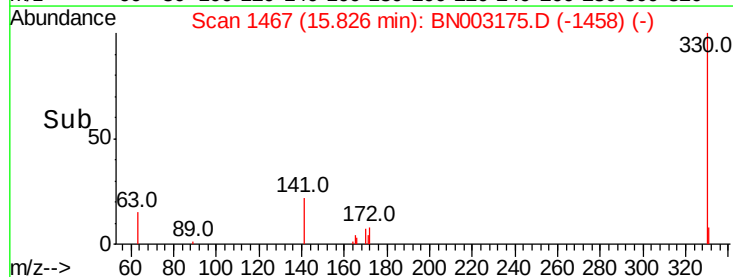
141 26.7 22.6 33.8

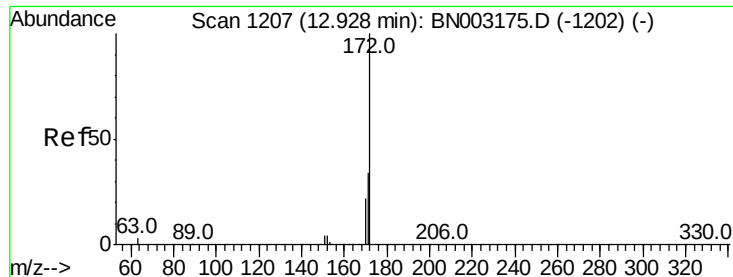


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

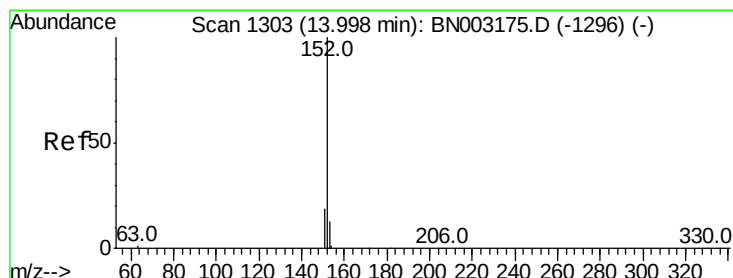
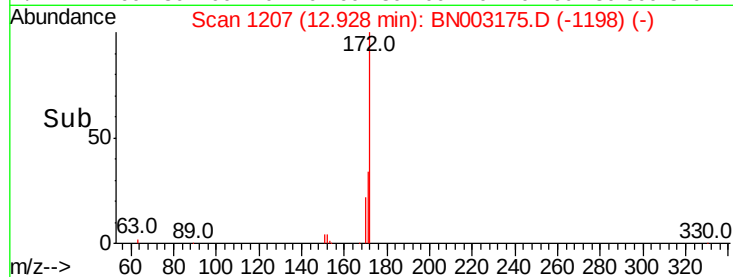
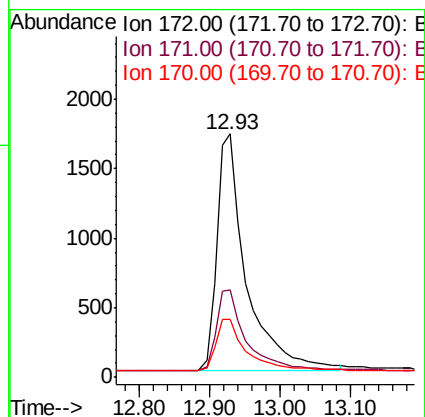
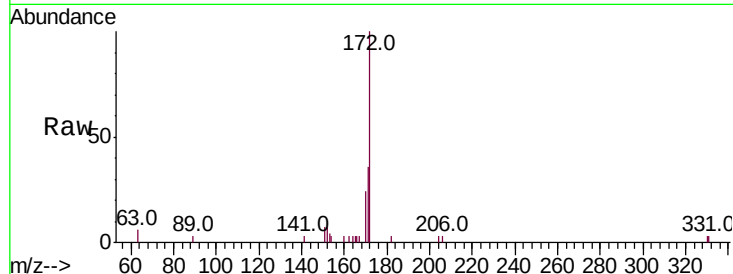




#15
2-Fluorobiphenyl
Concen: 0.413 ng
RT: 12.93 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BN003175.D
Acq: 17 Oct 2018 10:51

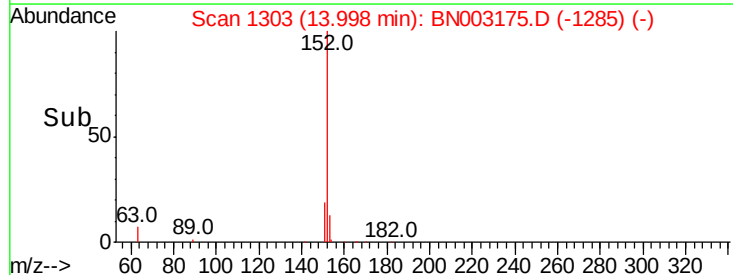
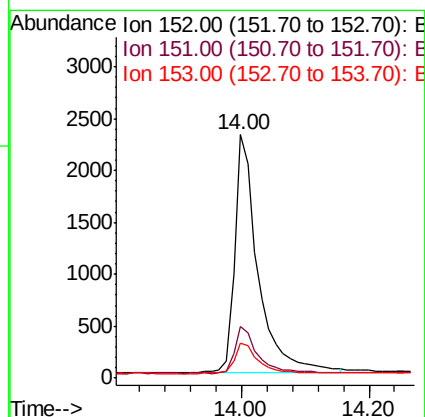
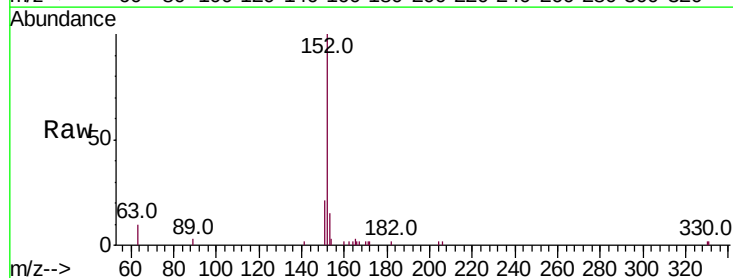
Instrument :
BNA_N
ClientSampleId :

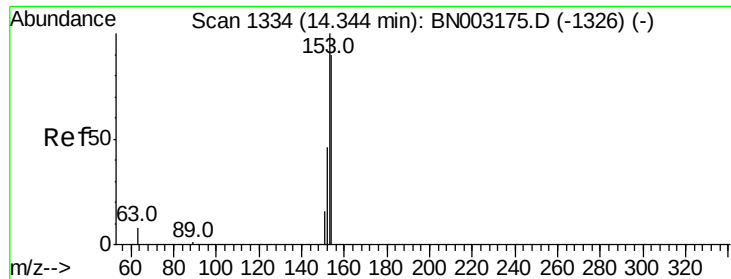
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	23.9	18.6	27.8



#16
Acenaphthylene
Concen: 0.420 ng
RT: 14.00 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BN003175.D
Acq: 17 Oct 2018 10:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.7	23.5
153	13.1	10.6	16.0





#17

Acenaphthene

Concen: 0.418 ng

RT: 14.34 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

Instrument :

BNA_N

ClientSampled :

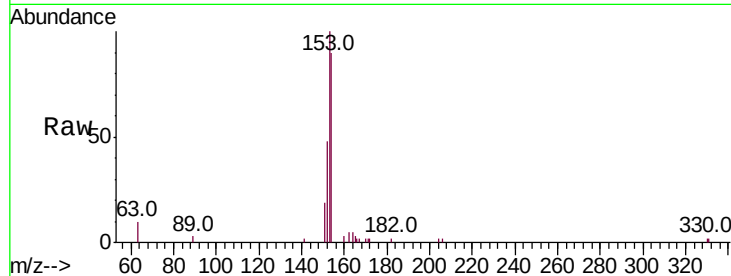
Tot Ion:154 Resp: 3900

Ion Ratio Lower Upper

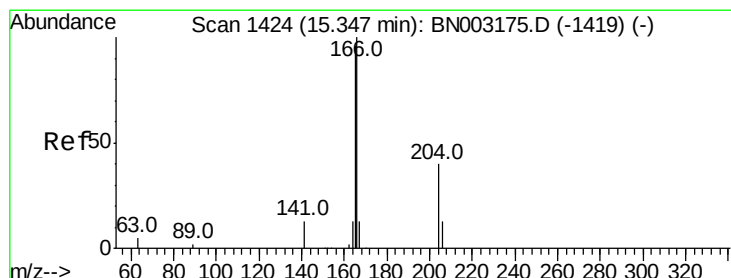
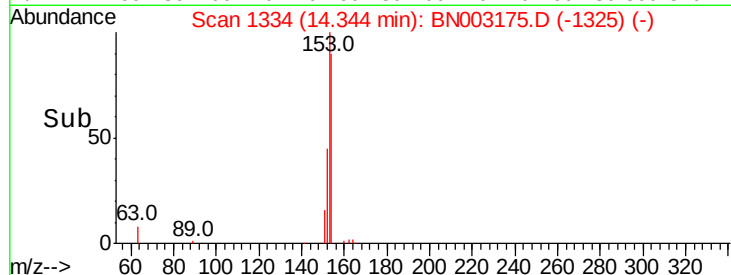
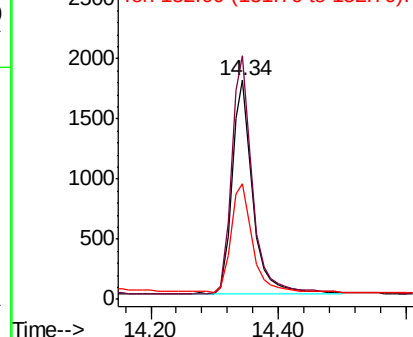
154 100

153 114.3 91.0 136.4

152 53.7 43.8 65.6



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: 0.436 ng

RT: 15.35 min Scan# 1424

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

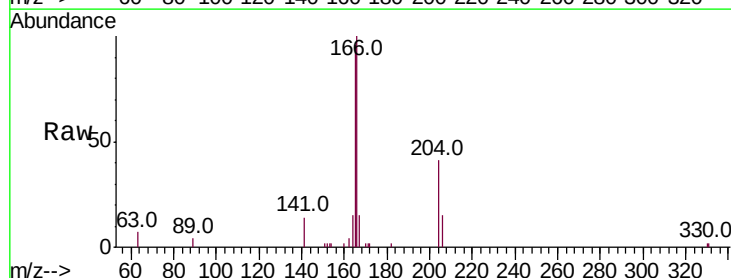
Tgt Ion:166 Resp: 5100

Ion Ratio Lower Upper

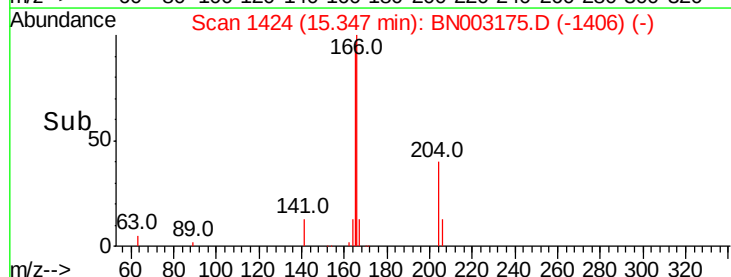
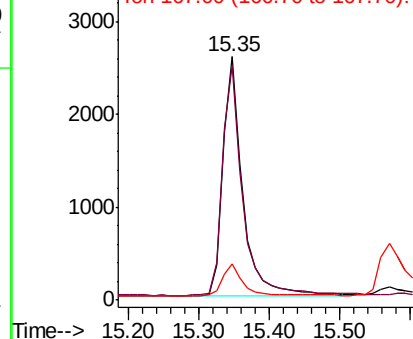
166 100

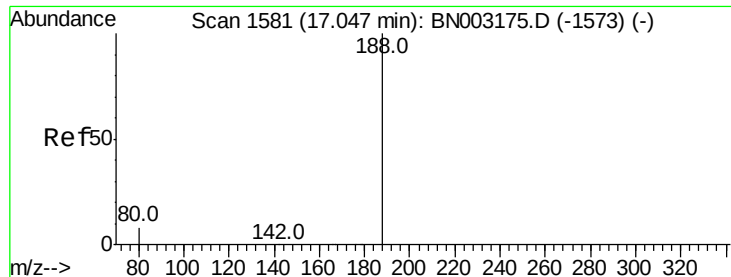
165 98.3 78.2 117.2

167 13.4 10.7 16.1



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

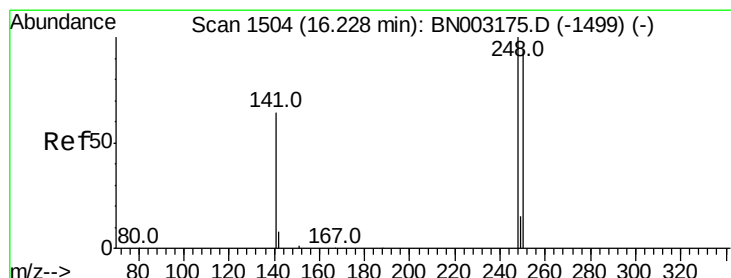
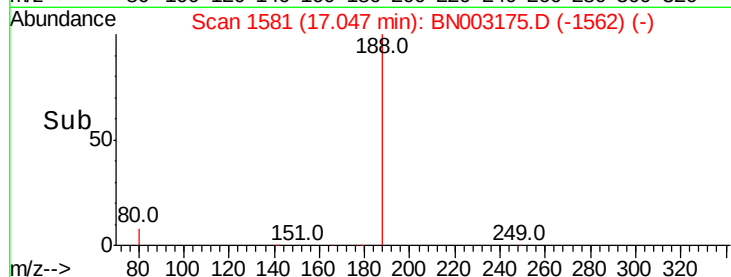
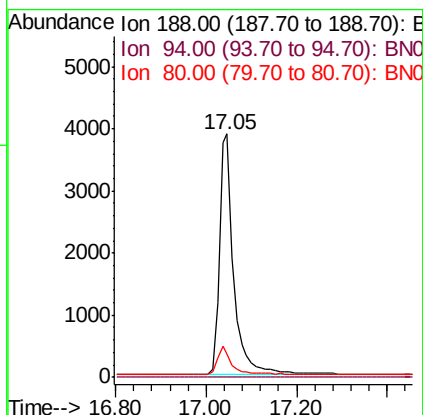
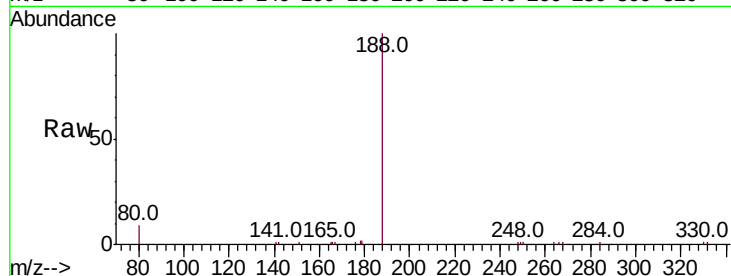




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BN003175.D
Acq: 17 Oct 2018 10:51

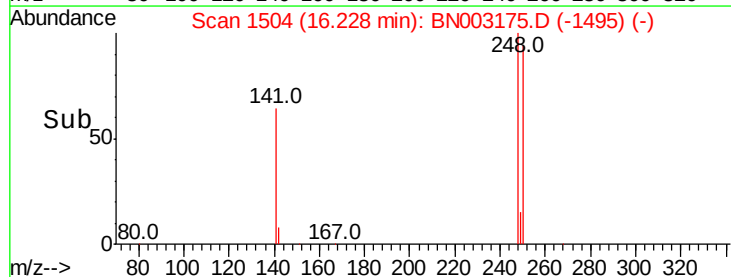
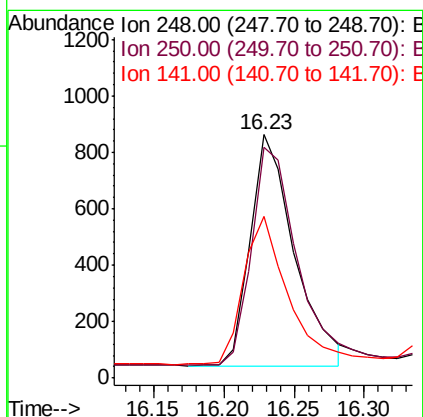
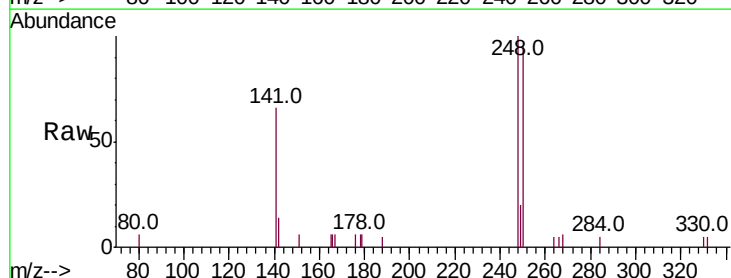
Instrument :
BNA_N
ClientSampleId :

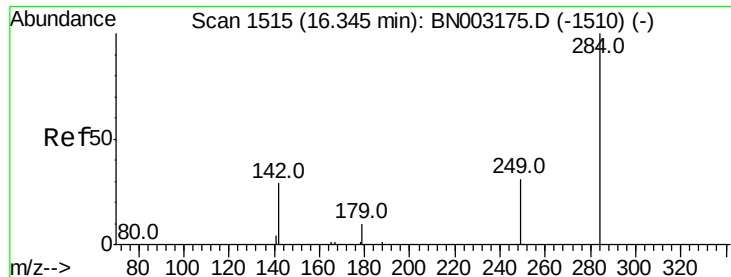
Tot Ion:188 Resp: 8529
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.4 6.7 10.1



#20
4-Bromophenyl-phenylether
Concen: 0.387 ng
RT: 16.23 min Scan# 1504
Delta R.T. 0.00 min
Lab File: BN003175.D
Acq: 17 Oct 2018 10:51

Tgt Ion:248 Resp: 1801
Ion Ratio Lower Upper
248 100
250 94.7 78.9 118.3
141 66.4 48.5 72.7

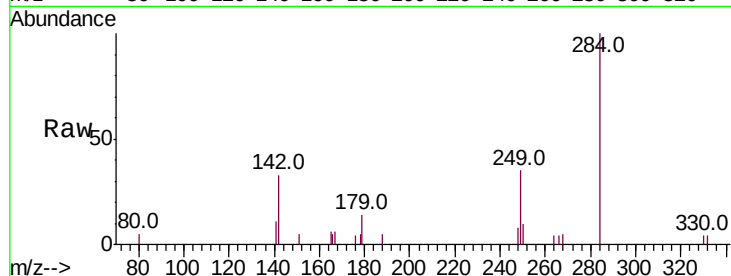




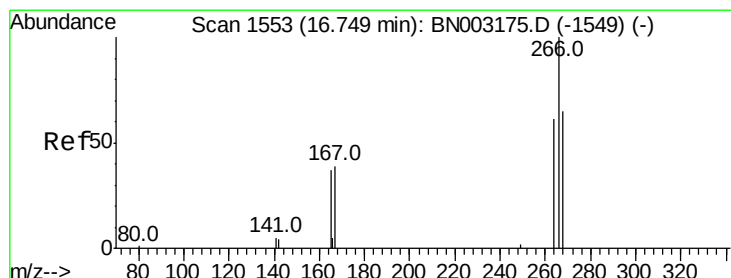
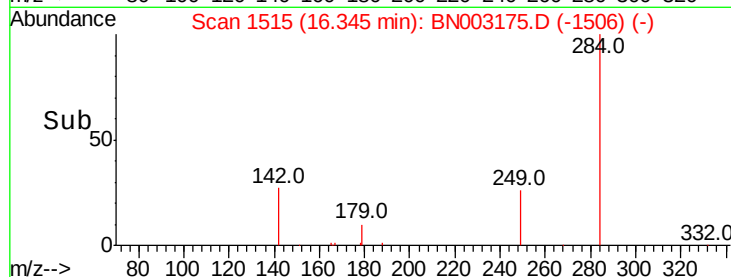
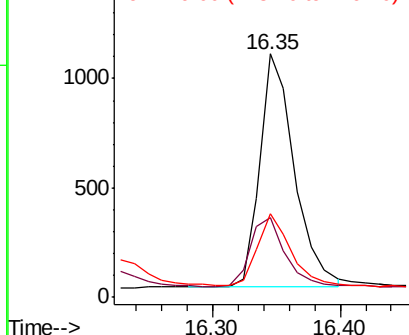
#21
Hexachlorobenzene
Concen: 0.404 ng
RT: 16.35 min Scan# 1515
Delta R.T. 0.00 min
Lab File: BN003175.D
Acq: 17 Oct 2018 10:51

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
284	100		
142	29.7	24.6	37.0
249	28.7	22.3	33.5

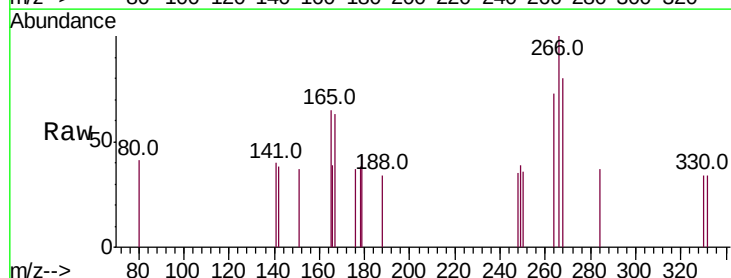


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

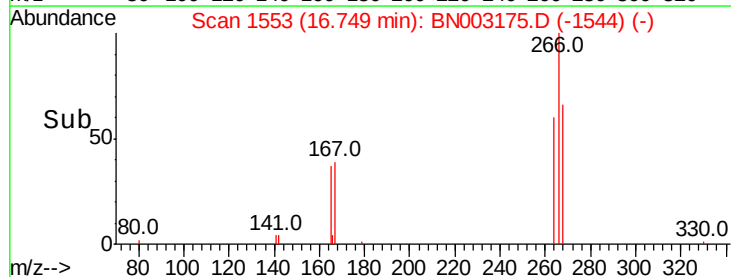
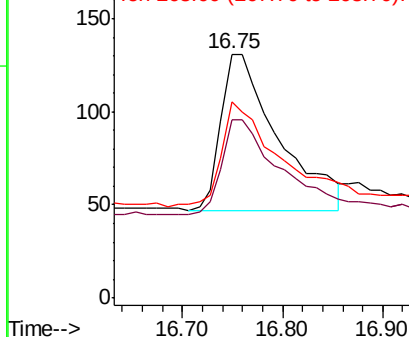


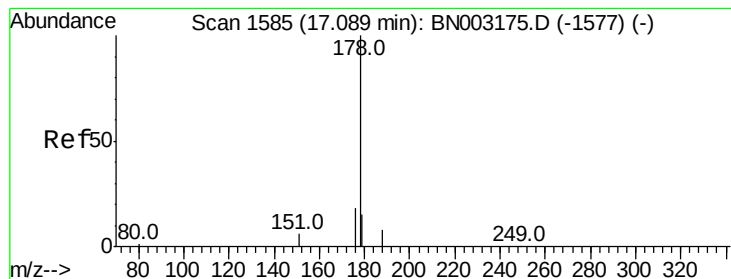
#22
Pentachlorophenol
Concen: 0.319 ng
RT: 16.75 min Scan# 1553
Delta R.T. 0.00 min
Lab File: BN003175.D
Acq: 17 Oct 2018 10:51

Tgt Ion	Ratio	Lower	Upper
266	100		
264	73.3	55.0	82.4
268	80.2	60.6	91.0



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: 0.406 ng

RT: 17.09 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

Instrument :

BNA_N

ClientSampleId :

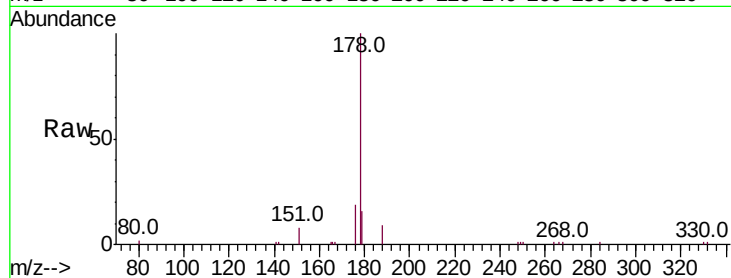
Tot Ion:178 Resp: 8575

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

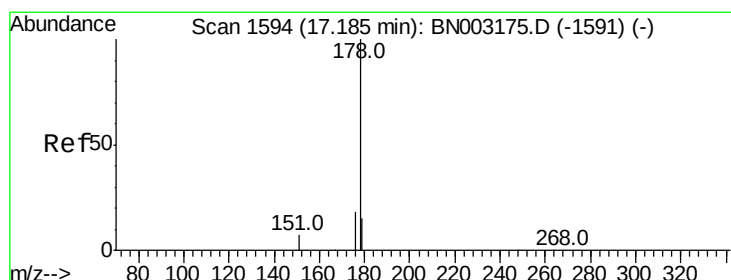
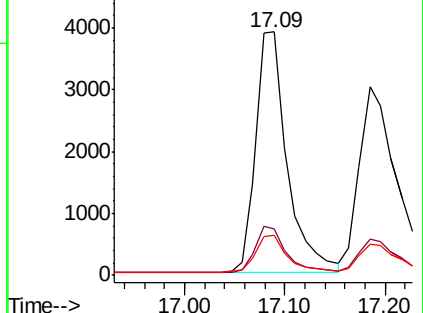
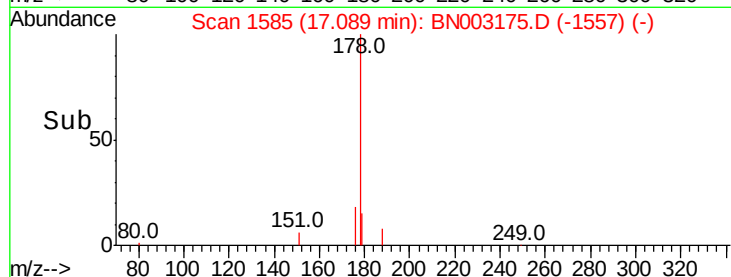
179 15.2 12.3 18.5



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



#24

Anthracene

Concen: 0.418 ng

RT: 17.18 min Scan# 1594

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

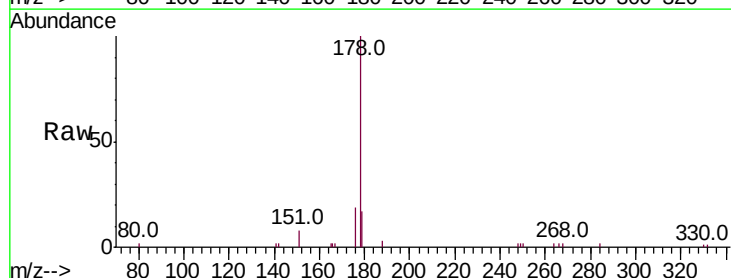
Tgt Ion:178 Resp: 7773

Ion Ratio Lower Upper

178 100

176 17.8 14.6 22.0

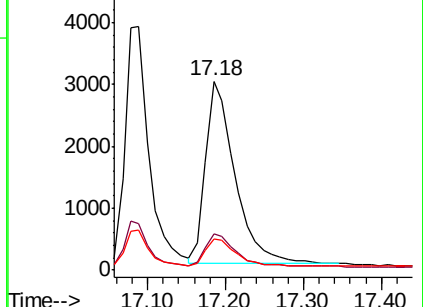
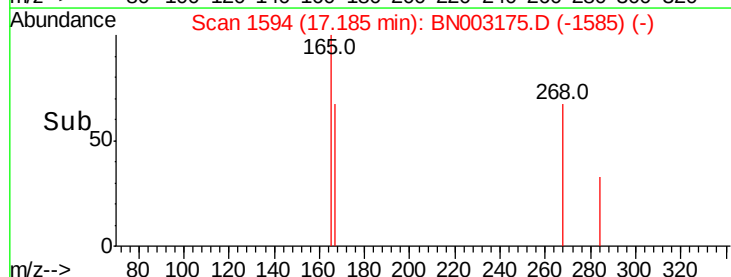
179 15.2 12.3 18.5

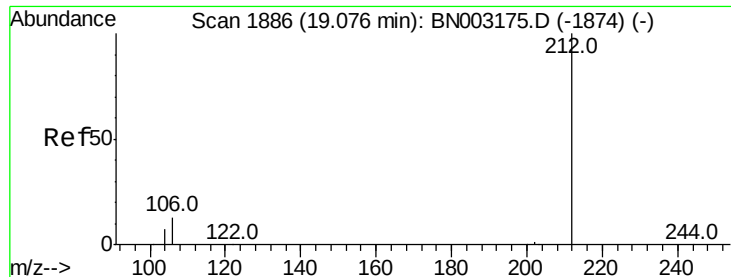


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.456 ng

RT: 19.08 min Scan# 1886

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

Instrument :

BNA_N

ClientSampleId :

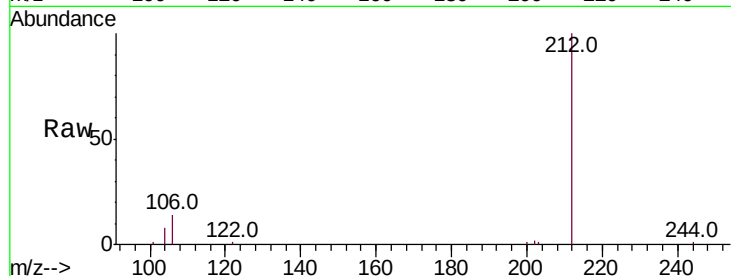
Tot Ion:212 Resp: 10060

Ion Ratio Lower Upper

212 100

106 13.2 10.2 15.4

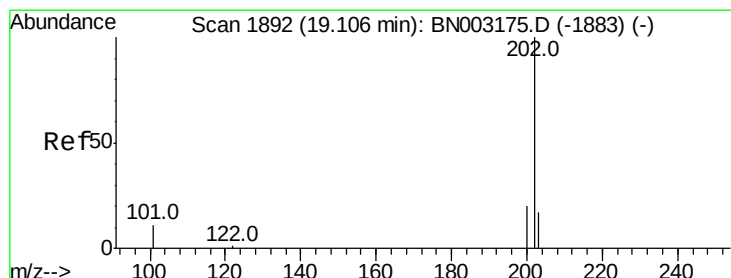
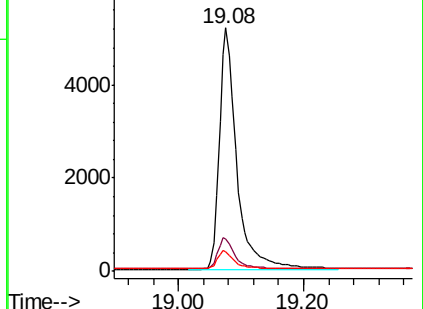
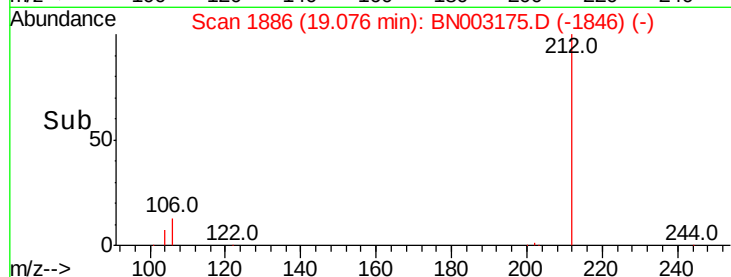
104 7.2 5.8 8.6



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: 0.456 ng

RT: 19.11 min Scan# 1892

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

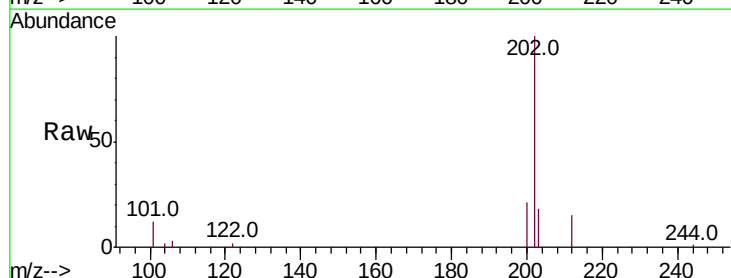
Tgt Ion:202 Resp: 10916

Ion Ratio Lower Upper

202 100

101 11.0 8.6 12.8

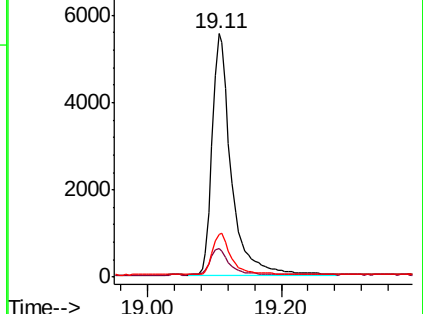
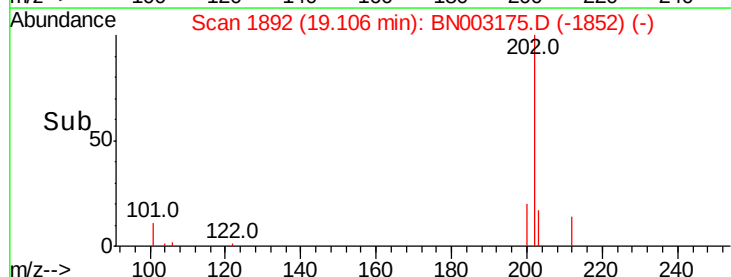
203 17.0 13.7 20.5

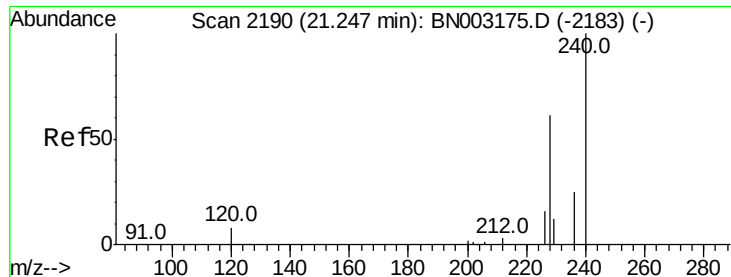


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.25 min Scan# 2190

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

Instrument :

BNA_N

ClientSampleId :

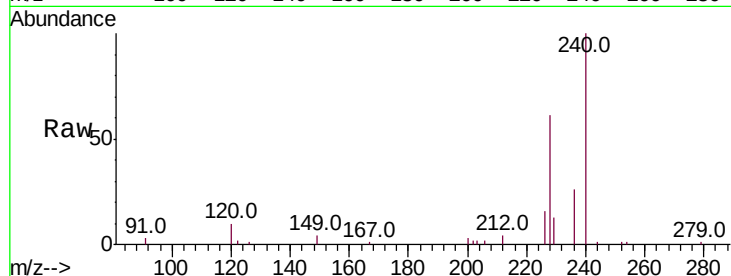
Tot Ion:240 Resp: 10998

Ion Ratio Lower Upper

240 100

120 9.7 7.8 11.8

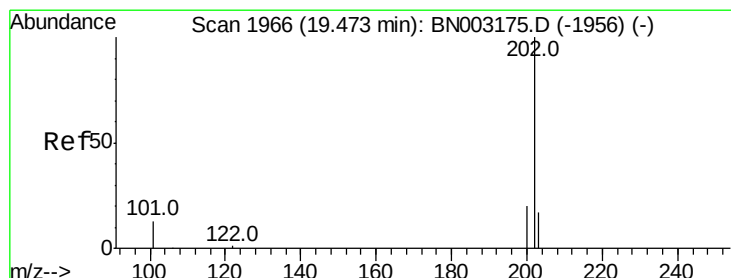
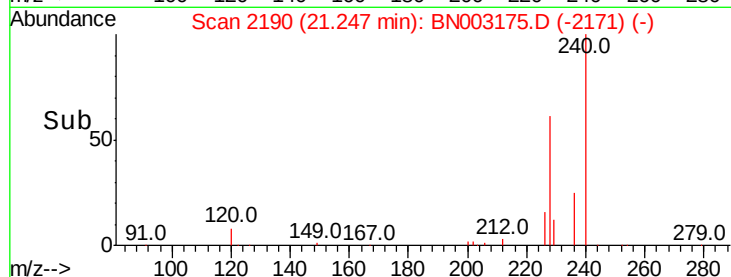
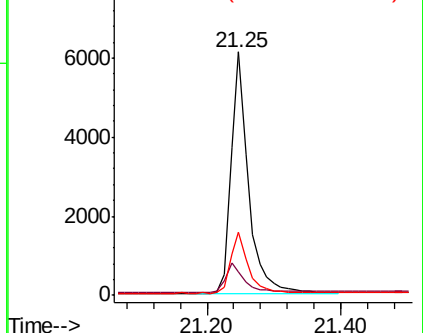
236 26.1 21.0 31.4



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: 0.354 ng

RT: 19.47 min Scan# 1966

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

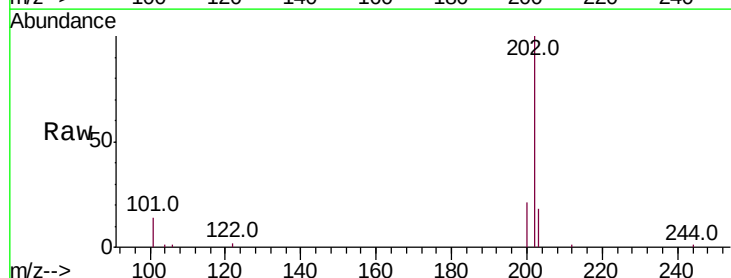
Tgt Ion:202 Resp: 11422

Ion Ratio Lower Upper

202 100

200 20.2 16.3 24.5

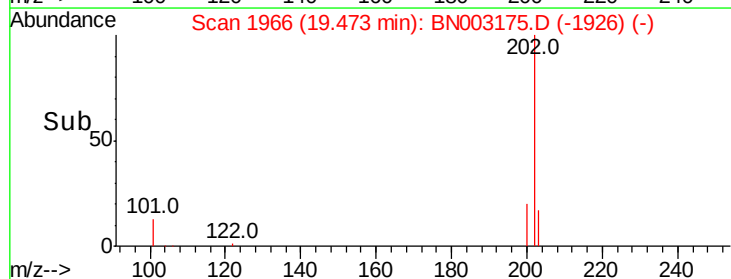
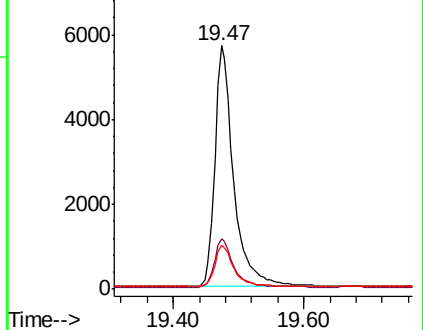
203 17.4 14.2 21.2

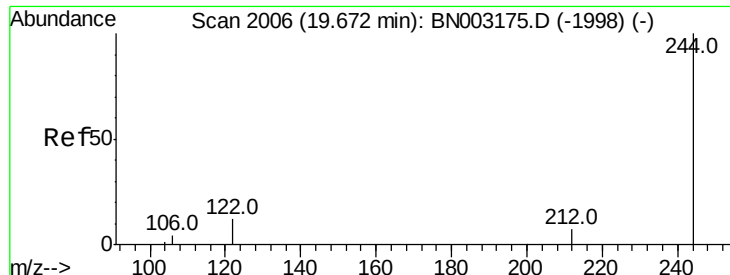


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.359 ng

RT: 19.67 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

Instrument :

BNA_N

ClientSampleId :

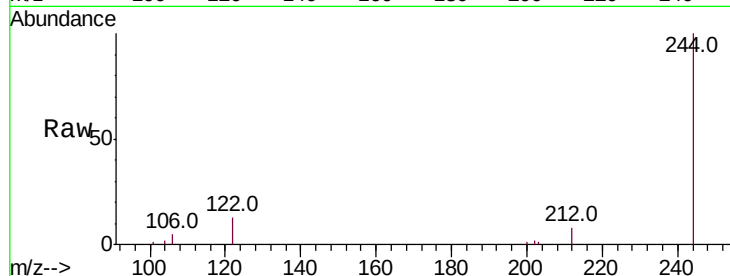
Tot Ion:244 Resp: 8709

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.4

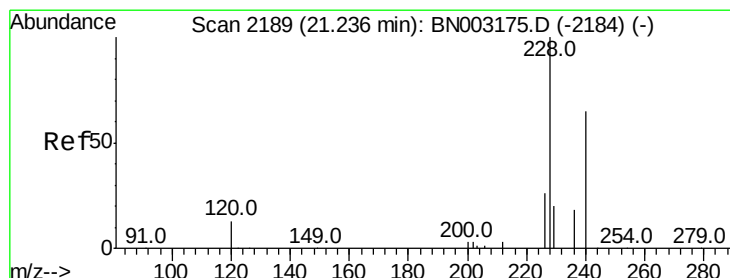
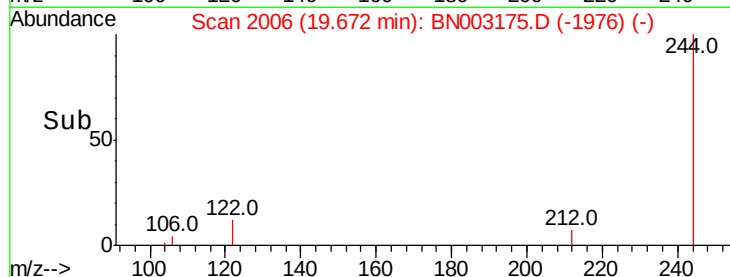
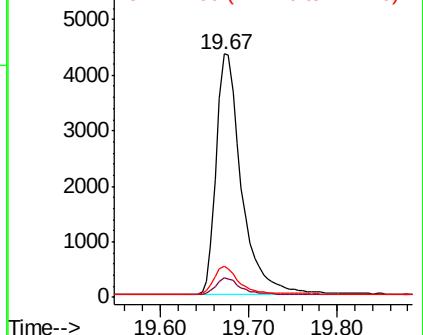
122 13.0 9.1 13.7



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: 0.400 ng

RT: 21.24 min Scan# 2189

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

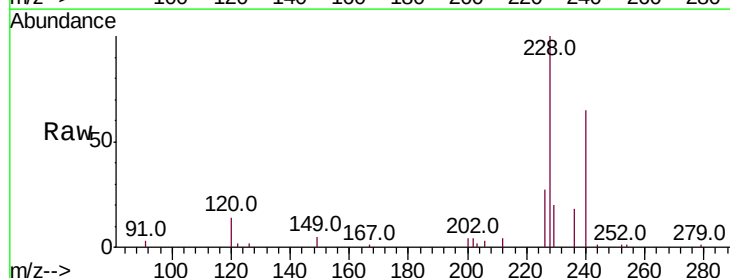
Tgt Ion:228 Resp: 10291

Ion Ratio Lower Upper

228 100

226 26.8 21.4 32.2

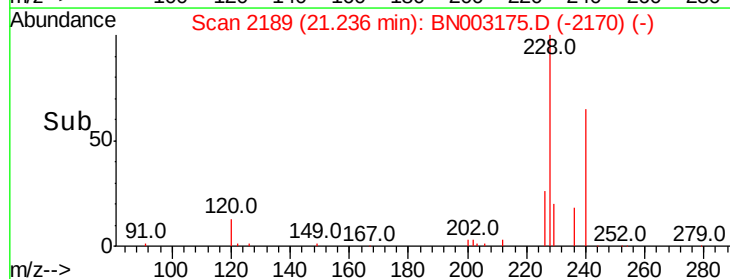
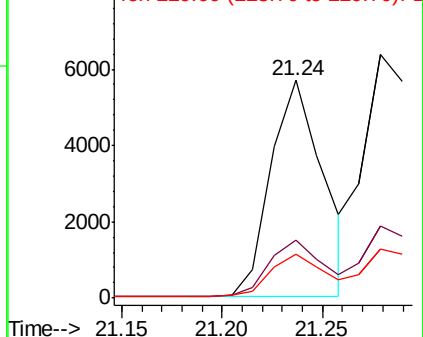
229 20.4 16.4 24.6

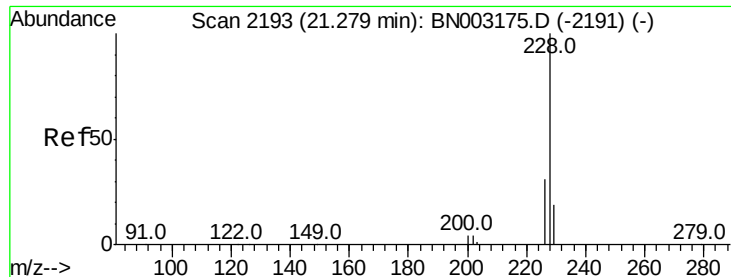


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.409 ng

RT: 21.28 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

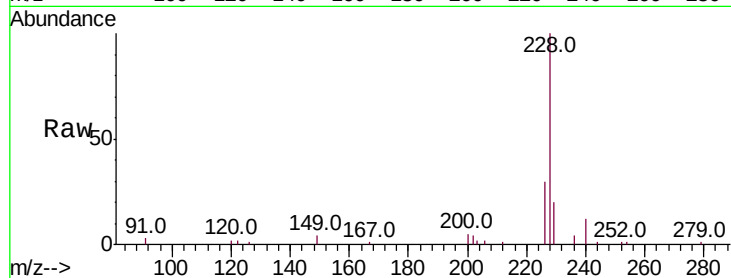
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 13129

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.1	34.7
229	20.2	15.9	23.9

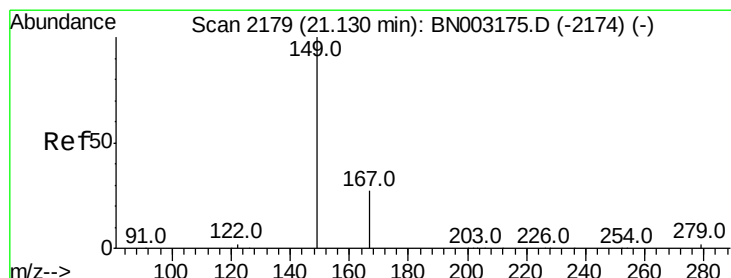
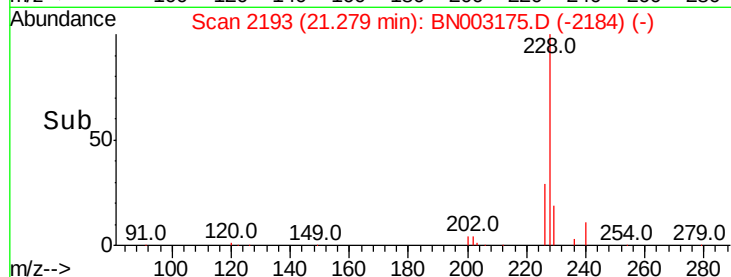
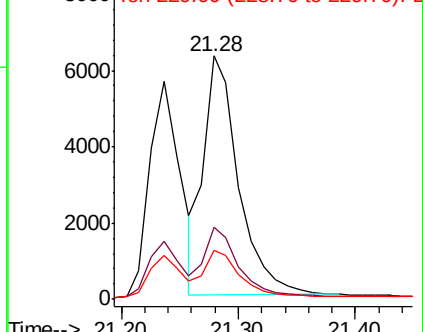


Abundance

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: 0.390 ng

RT: 21.13 min Scan# 2179

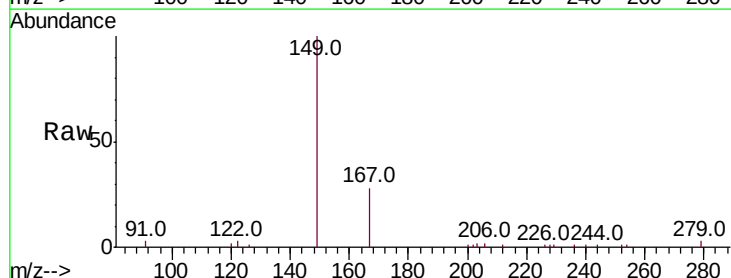
Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

Tgt Ion:149 Resp: 6728

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.2	33.4
279	5.0	3.7	5.5

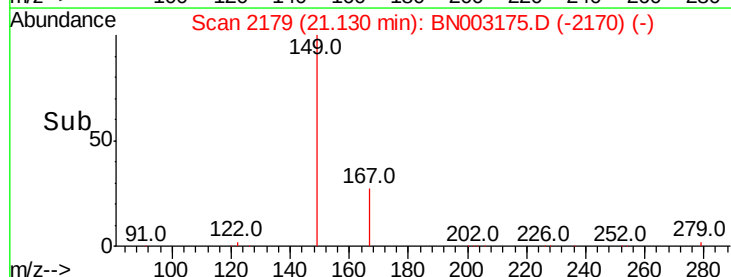
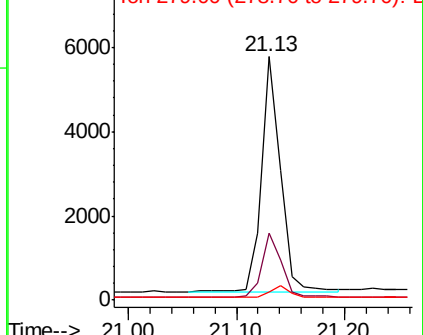


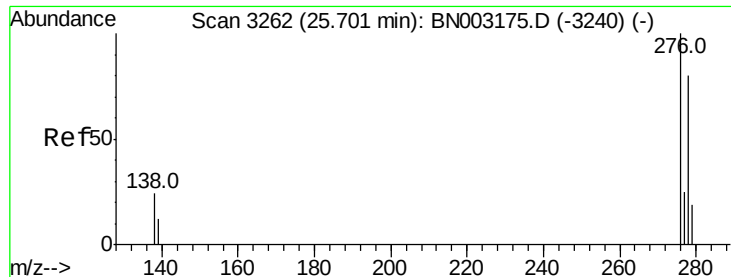
Abundance

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: 0.538 ng

RT: 25.70 min Scan# 3262

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

Instrument :

BNA_N

ClientSampleId :

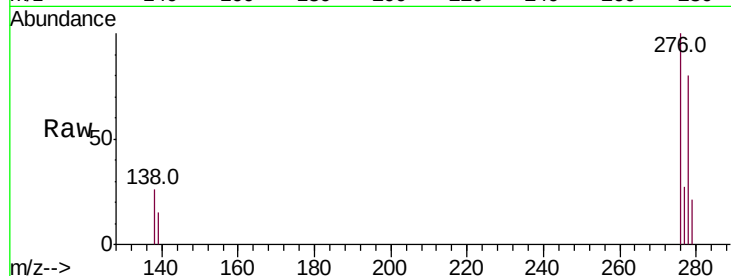
Tot Ion:276 Resp: 14666

Ion Ratio Lower Upper

276 100

138 24.2 18.2 27.4

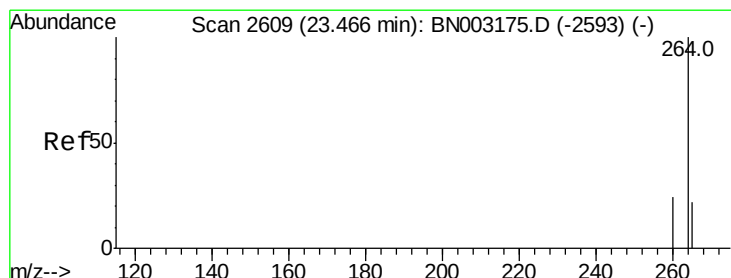
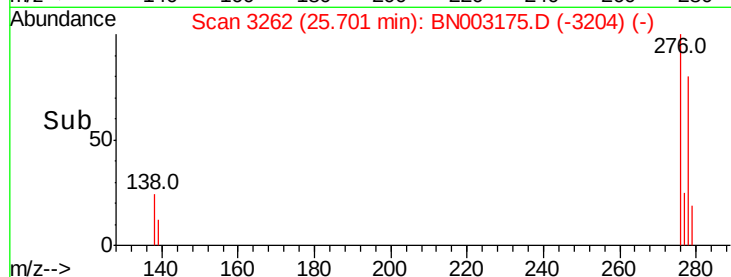
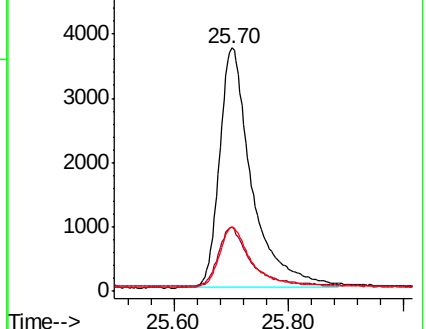
277 25.0 20.2 30.4



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: 23.47 min Scan# 2609

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

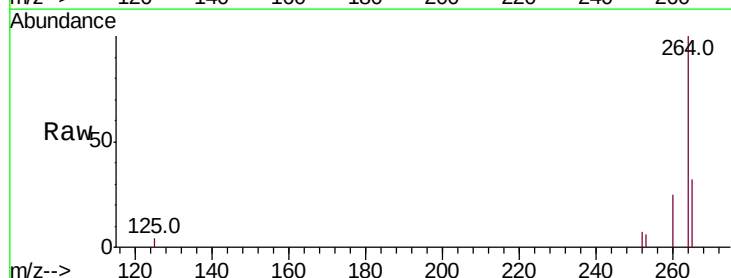
Tgt Ion:264 Resp: 11595

Ion Ratio Lower Upper

264 100

260 24.8 19.7 29.5

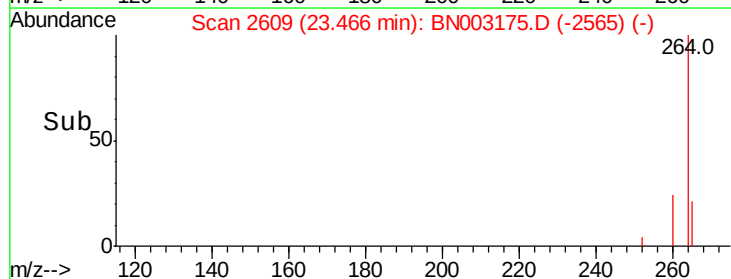
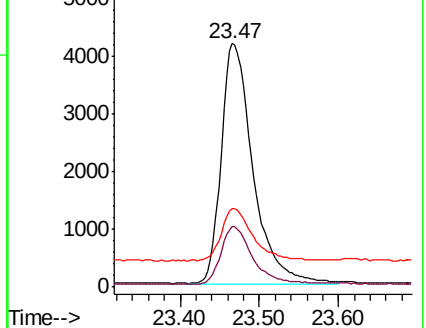
265 32.1 27.6 41.4

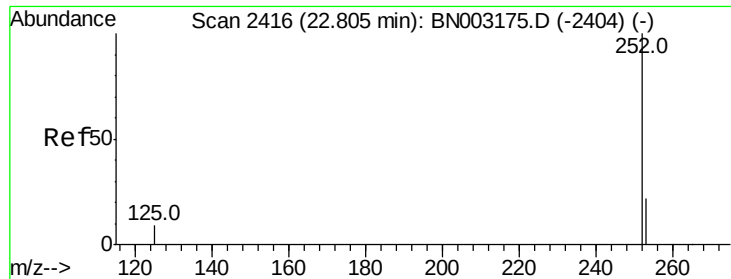


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

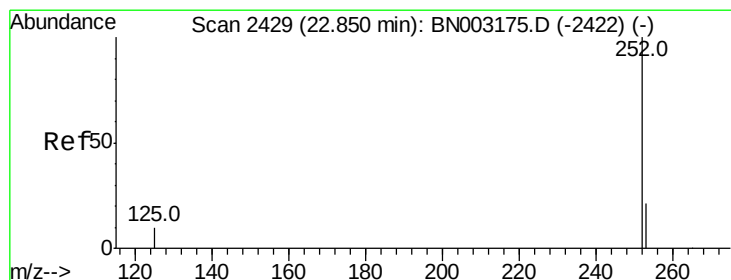
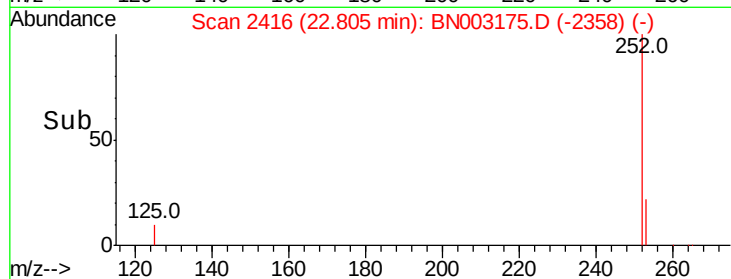
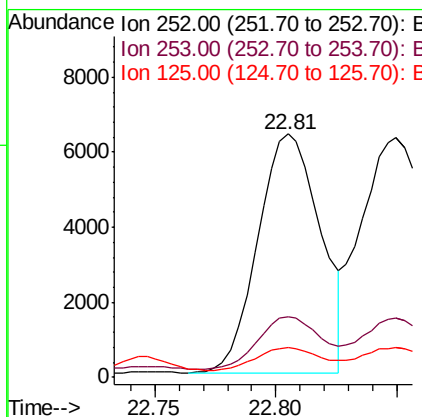
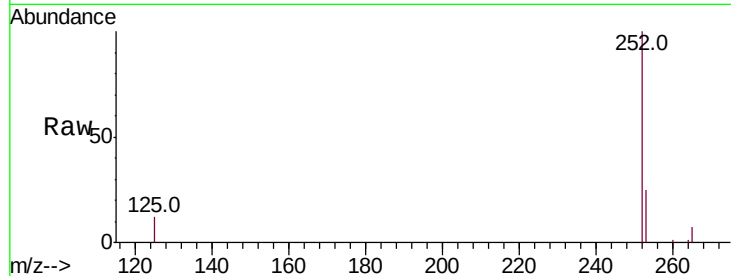




#35
Benzo(b)fluoranthene
Concen: 0.353 ng
RT: 22.81 min Scan# 2416
Delta R.T. 0.00 min
Lab File: BN003175.D
Acq: 17 Oct 2018 10:51

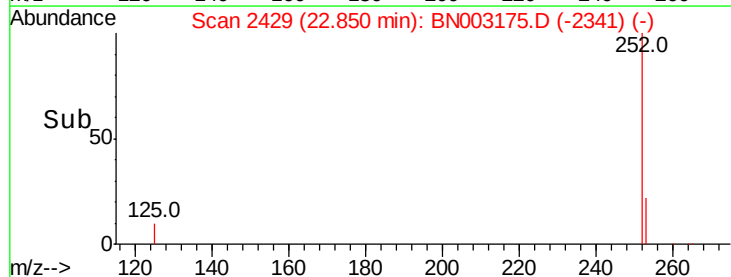
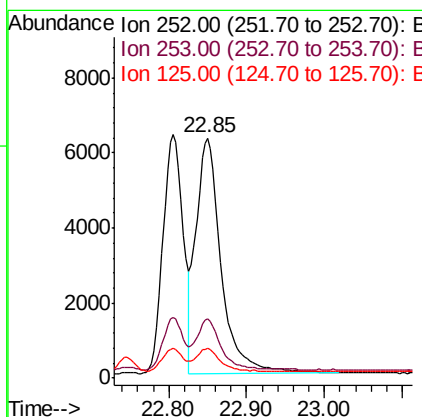
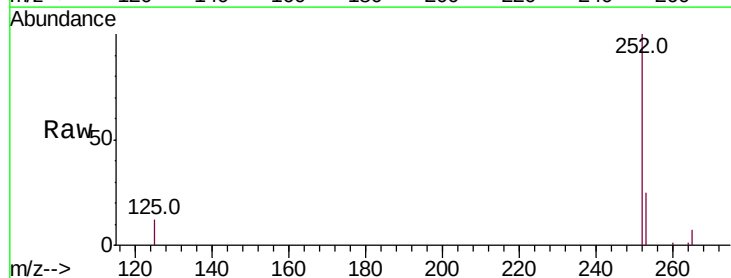
Instrument :
BNA_N
ClientSampleId :

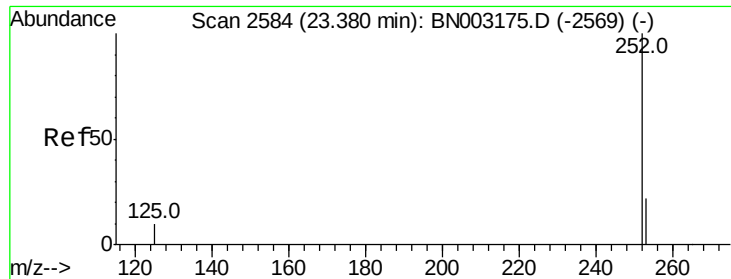
Tot Ion:252 Resp: 11429
Ion Ratio Lower Upper
252 100
253 24.8 20.8 31.2
125 12.5 9.6 14.4



#36
Benzo(k)fluoranthene
Concen: 0.399 ng
RT: 22.85 min Scan# 2429
Delta R.T. 0.00 min
Lab File: BN003175.D
Acq: 17 Oct 2018 10:51

Tgt Ion:252 Resp: 14127
Ion Ratio Lower Upper
252 100
253 24.5 20.5 30.7
125 12.3 9.4 14.0





#37

Benzo(a)pyrene

Concen: 0.399 ng

RT: 23.38 min Scan# 2584

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

Instrument :

BNA_N

ClientSampleId :

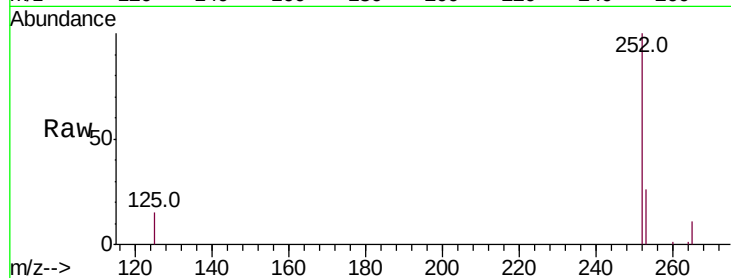
Tot Ion:252 Resp: 12012

Ion Ratio Lower Upper

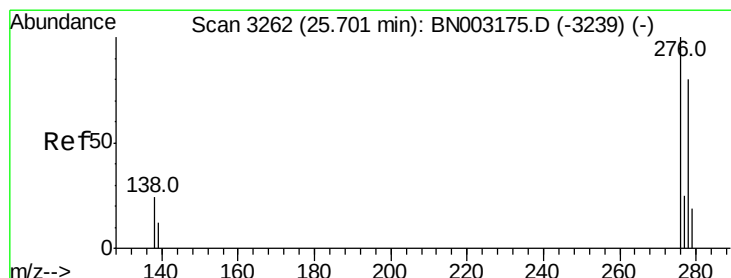
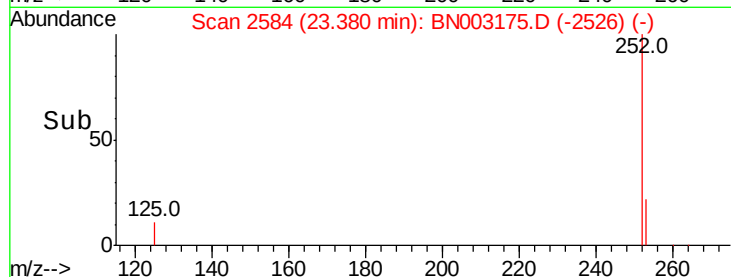
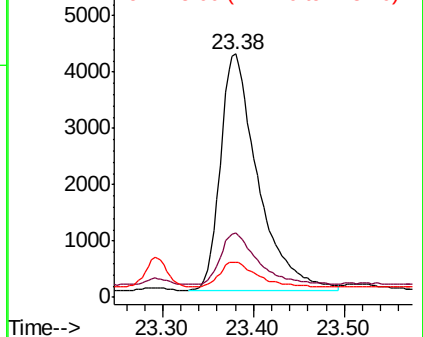
252 100

253 26.3 22.4 33.6

125 14.6 11.4 17.0



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: 0.447 ng

RT: 25.70 min Scan# 3262

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

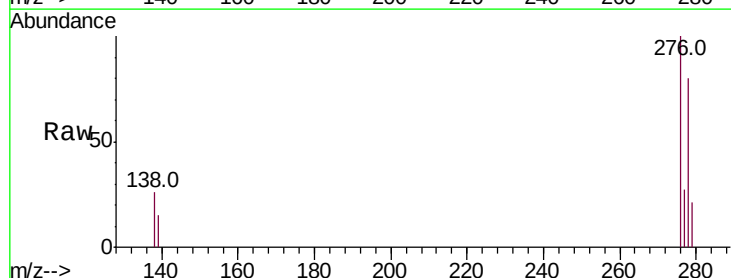
Tgt Ion:278 Resp: 12223

Ion Ratio Lower Upper

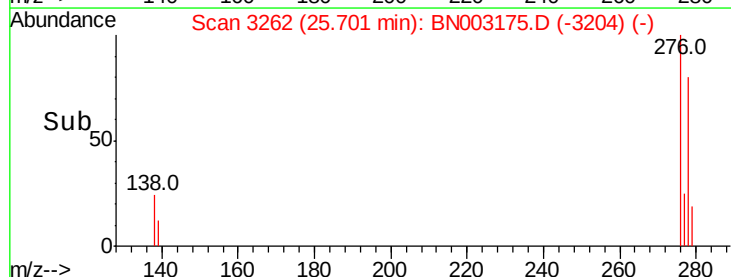
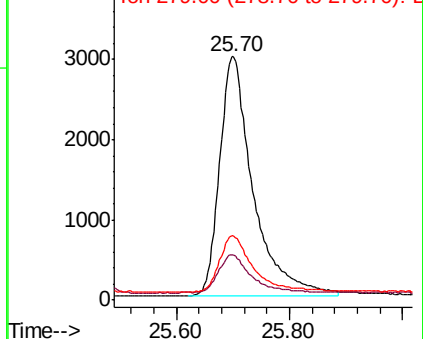
278 100

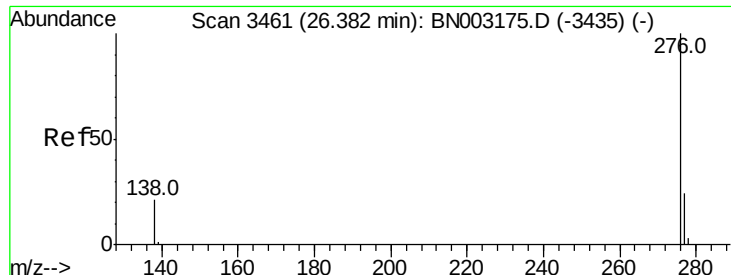
139 18.4 14.6 21.8

279 26.5 23.1 34.7



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: 0.443 ng

RT: 26.38 min Scan# 3461

Delta R.T. 0.00 min

Lab File: BN003175.D

Acq: 17 Oct 2018 10:51

Instrument :

BNA_N

ClientSampleId :

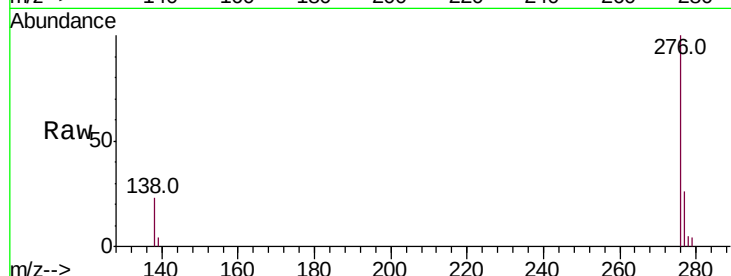
Tot Ion:276 Resp: 12389

Ion Ratio Lower Upper

276 100

277 25.6 21.0 31.4

138 23.4 18.1 27.1



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

