

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102918\
 Data File : BN003335.D
 Acq On : 29 Oct 2018 16:40
 Operator : MJ/SJ
 Sample : PB114224BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB114224BS

Quant Time: Oct 30 06:45:13 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	14920	0.40	ng	0.00
7) Naphthalene-d8	10.66	136	64098	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	37680	0.40	ng	-0.01
19) Phenanthrene-d10	17.24	188	87733	0.40	ng	0.00
27) Chrysene-d12	21.42	240	91692	0.40	ng	0.00
34) Perylene-d12	23.73	264	88238	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.43	112	14415	0.39	ng	0.00
5) Phenol-d6	7.01	99	18024	0.39	ng	0.00
8) Nitrobenzene-d5	9.02	82	13172	0.47	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	30938	0.30	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	4788	0.32	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	53388	0.33	ng	-0.01
25) Fluoranthene-d10	19.26	212	66868	0.26	ng	-0.01
29) Terphenyl-d14	19.86	244	61637	0.29	ng	-0.01

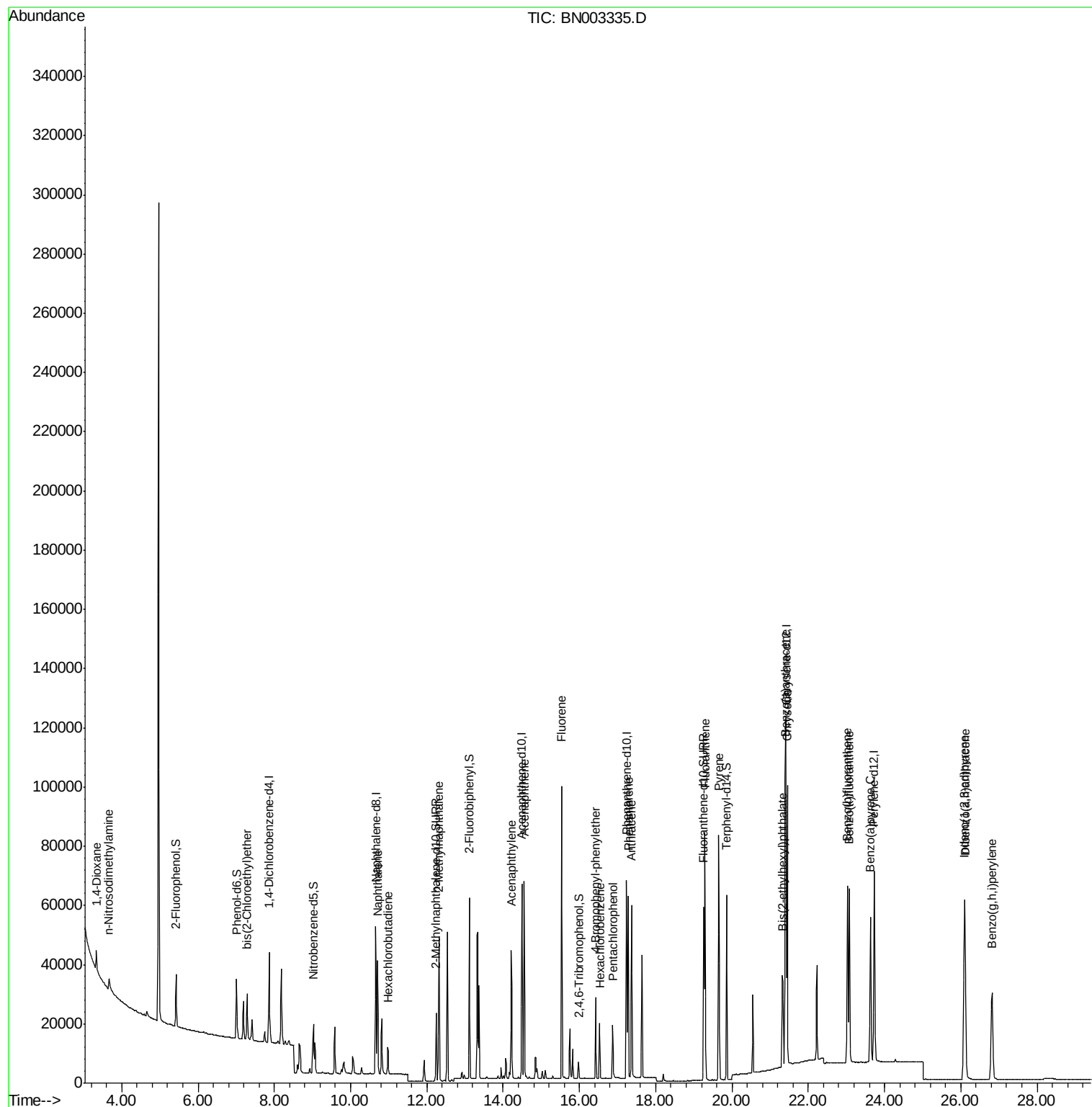
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.34	88	4062	0.210	ng	# 57
3) n-Nitrosodimethylamine	3.67	42	3434	0.386	ng	# 81
6) bis(2-Chloroethyl)ether	7.29	93	12938	0.311	ng	99
9) Naphthalene	10.71	128	48558	0.310	ng	99
10) Hexachlorobutadiene	10.97	225	7827	0.273	ng	# 99
12) 2-Methylnaphthalene	12.32	142	34957	0.319	ng	98
16) Acenaphthylene	14.21	152	49069	0.292	ng	100
17) Acenaphthene	14.56	154	32857	0.282	ng	100
18) Fluorene	15.54	166	41930	0.288	ng	100
20) 4-Bromophenyl-phenylether	16.43	248	13616	0.268	ng	# 92
21) Hexachlorobenzene	16.54	284	14587	0.272	ng	99
22) Pentachlorophenol	16.88	266	8789	0.605	ng	98
23) Phenanthrene	17.28	178	69350	0.288	ng	100
24) Anthracene	17.37	178	60089	0.291	ng	100
26) Fluoranthene	19.29	202	74571	0.270	ng	100
28) Pyrene	19.66	202	74119	0.292	ng	99
30) Benzo(a)anthracene	21.40	228	72920	0.303	ng	98
31) Chrysene	21.45	228	73701	0.284	ng	98
32) Bis(2-ethylhexyl)phthalate	21.32	149	24583	0.346	ng	99
33) Indeno(1,2,3-cd)pyrene	26.09	276	78496	0.293	ng	98
35) Benzo(b)fluoranthene	23.03	252	78750	0.286	ng	# 96
36) Benzo(k)fluoranthene	23.08	252	74676	0.274	ng	99
37) Benzo(a)pyrene	23.63	252	71477	0.285	ng	# 93
38) Dibenzo(a,h)anthracene	26.11	278	65331	0.280	ng	100
39) Benzo(g,h,i)perylene	26.82	276	65649	0.281	ng	99

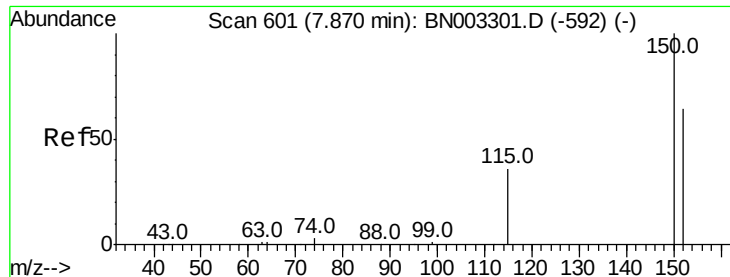
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102918\
Data File : BN003335.D
Acq On : 29 Oct 2018 16:40
Operator : MJ/SJ
Sample : PB114224BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB114224BS

Quant Time: Oct 30 06:45:13 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 600

Delta R.T. -0.01 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

Instrument :

BNA_N

ClientSampleId :

PB114224BS

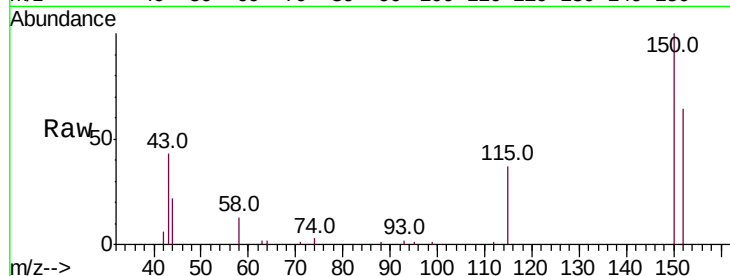
Tot Ion:152 Resp: 14920

Ion Ratio Lower Upper

152 100

150 155.5 124.6 187.0

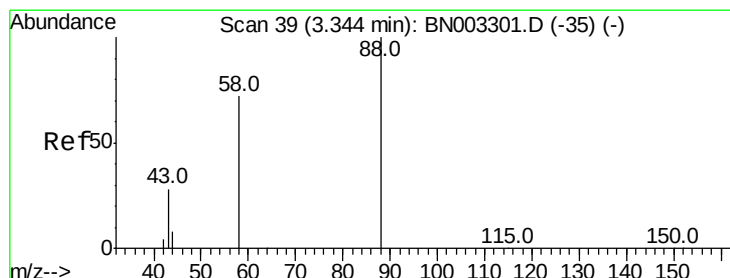
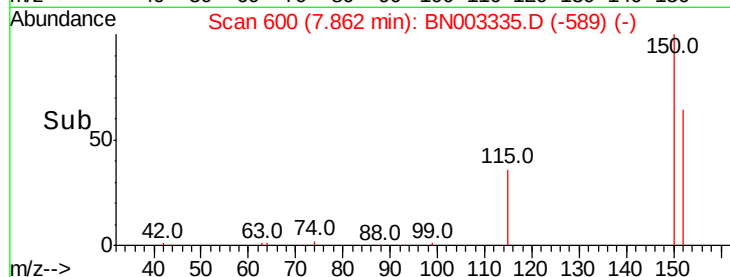
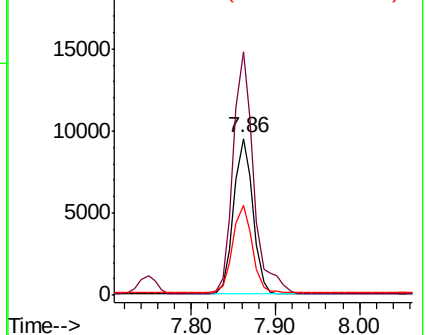
115 57.8 46.4 69.6



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: 0.210 ng

RT: 3.34 min Scan# 38

Delta R.T. -0.01 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

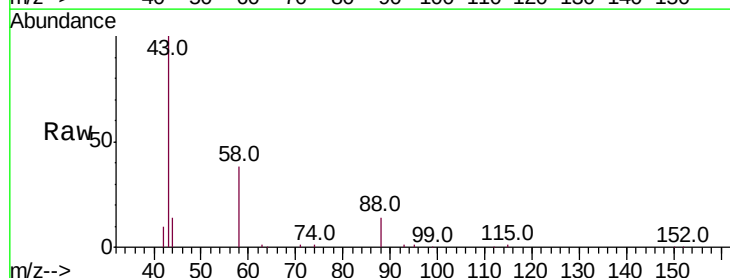
Tgt Ion: 88 Resp: 4062

Ion Ratio Lower Upper

88 100

58 108.3 60.9 91.3#

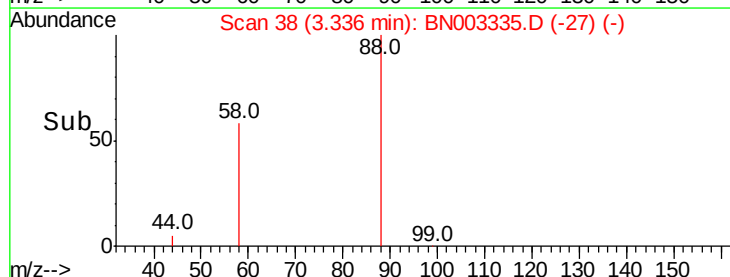
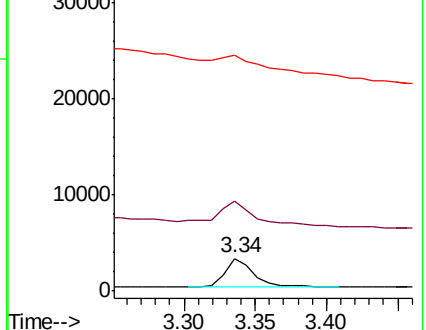
43 0.0 23.9 35.9#

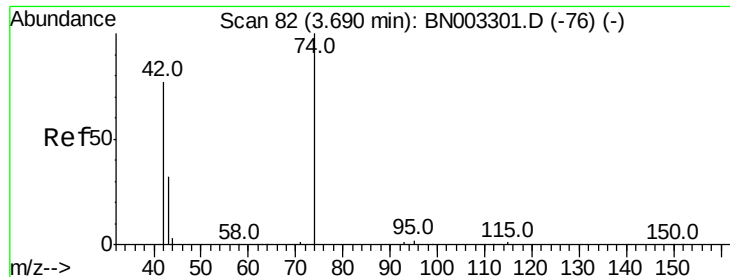


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.386 ng

RT: 3.67 min Scan# 79

Delta R.T. -0.02 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

Instrument :

BNA_N

ClientSampleId :

PB114224BS

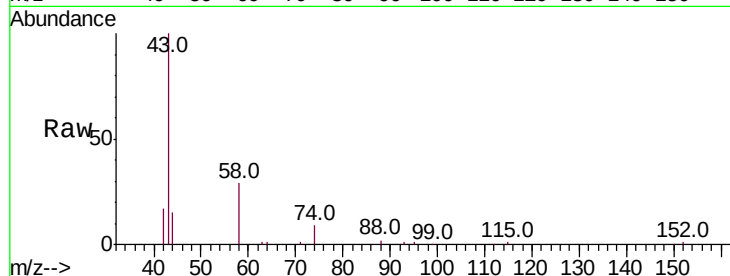
Tot Ion: 42 Resp: 3434

Ion Ratio Lower Upper

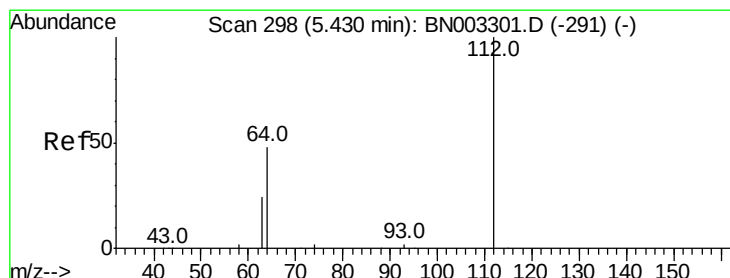
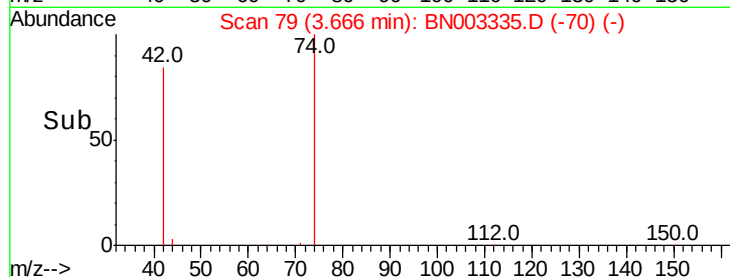
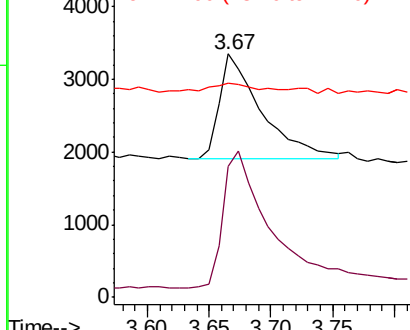
42 100

74 145.7 99.1 148.7

44 7.1 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: 0.390 ng

RT: 5.43 min Scan# 298

Delta R.T. -0.00 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

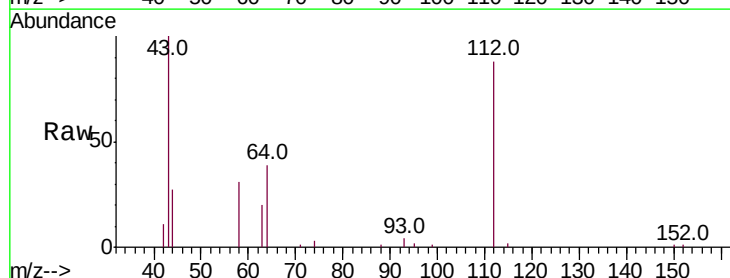
Tgt Ion: 112 Resp: 14415

Ion Ratio Lower Upper

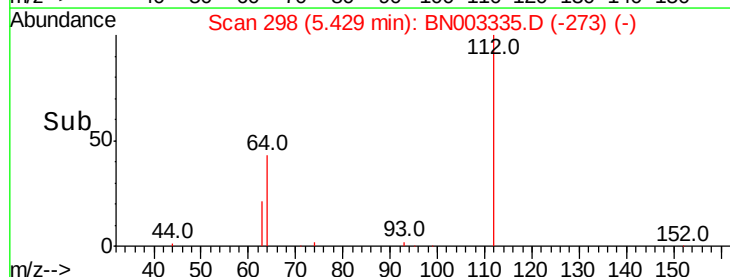
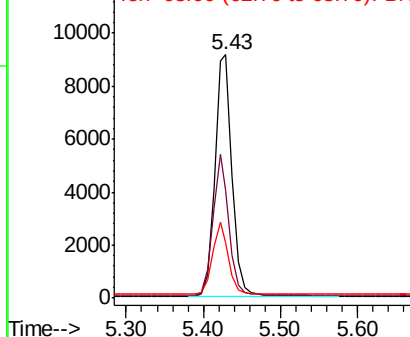
112 100

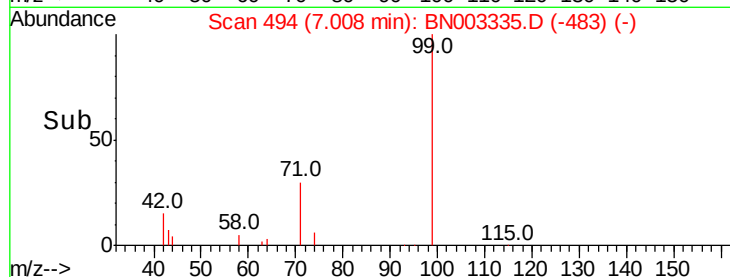
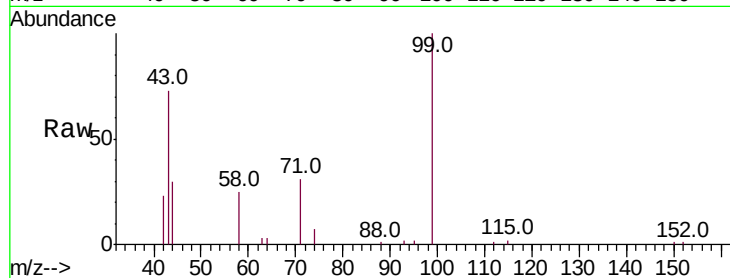
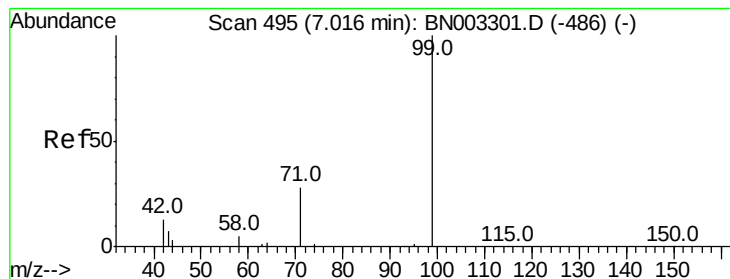
64 53.5 44.3 66.5

63 27.3 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: 0.386 ng

RT: 7.01 min Scan# 494

Delta R.T. -0.01 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

Instrument :

BNA_N

ClientSampleId :

PB114224BS

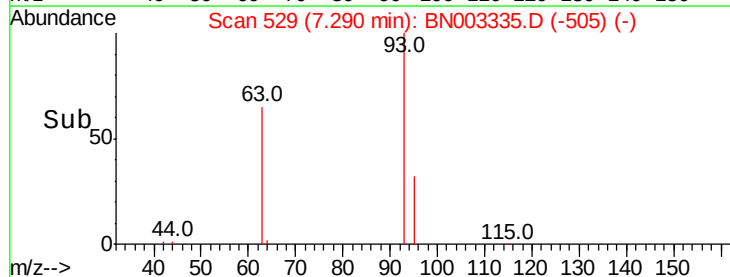
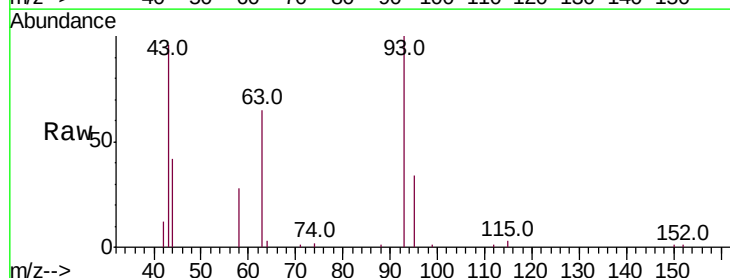
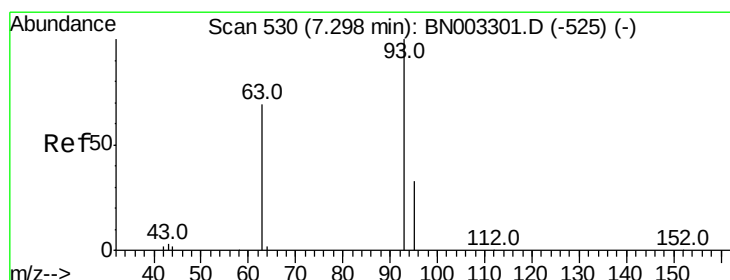
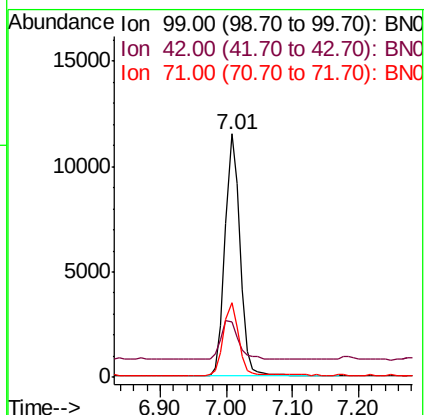
Tot Ion: 99 Resp: 18024

Ion Ratio Lower Upper

99 100

42 18.6 14.8 22.2

71 30.1 24.8 37.2



#6

bis(2-Chloroethyl)ether

Concen: 0.311 ng

RT: 7.29 min Scan# 529

Delta R.T. -0.01 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

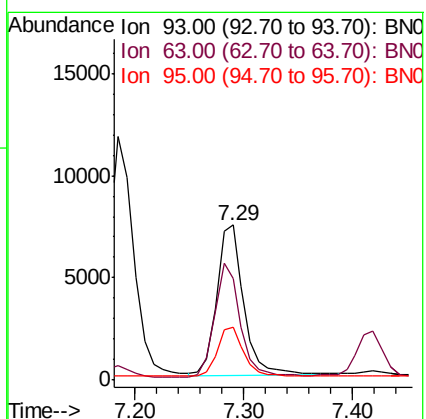
Tgt Ion: 93 Resp: 12938

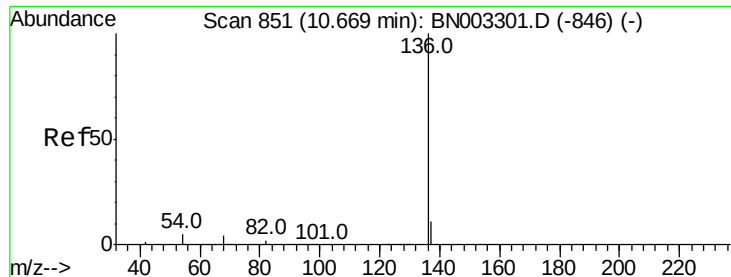
Ion Ratio Lower Upper

93 100

63 70.8 55.8 83.6

95 31.7 25.4 38.2





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.66 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

Instrument :

BNA_N

ClientSampleId :

PB114224BS

Tot Ion:136 Resp: 64098

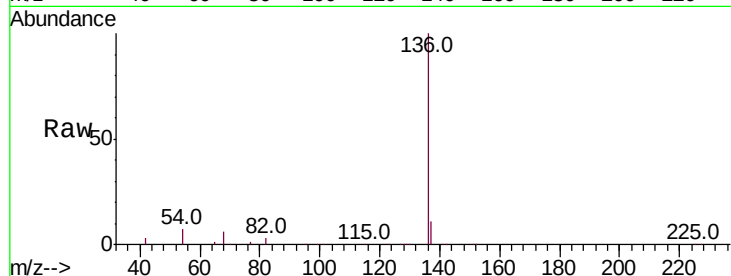
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 6.6 4.1 6.1#

68 5.7 3.5 5.3#

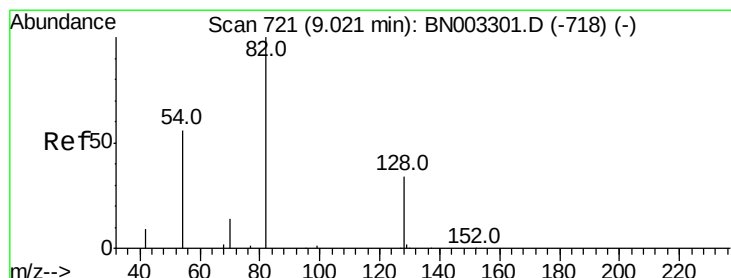
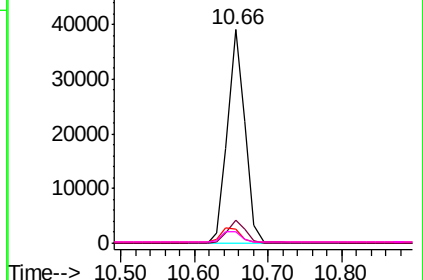
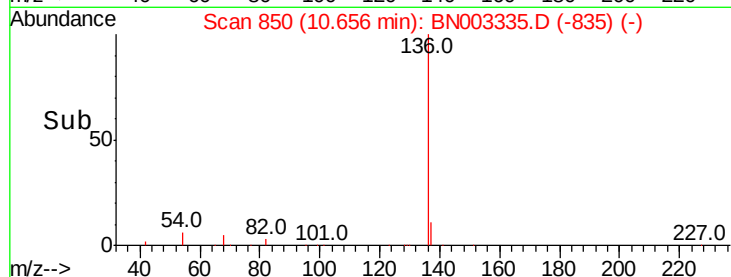


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.469 ng

RT: 9.02 min Scan# 721

Delta R.T. -0.00 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

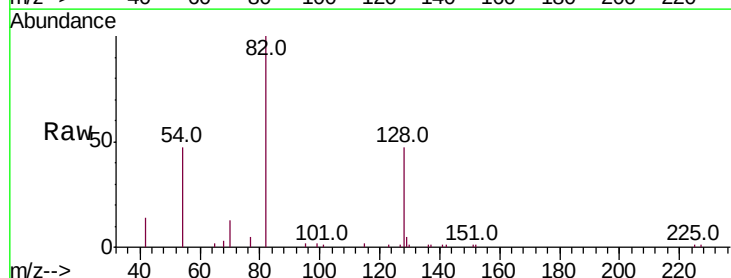
Tgt Ion: 82 Resp: 13172

Ion Ratio Lower Upper

82 100

128 46.9 28.9 43.3#

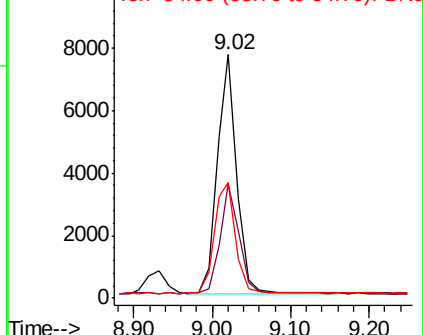
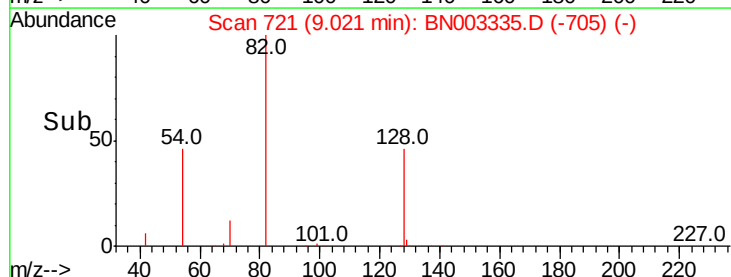
54 47.4 46.1 69.1

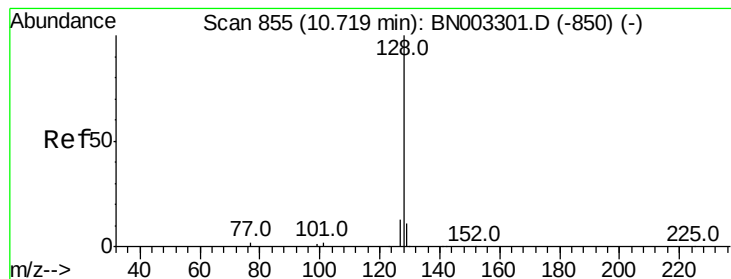


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.310 ng

RT: 10.71 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

Instrument :

BNA_N

ClientSampleId :

PB114224BS

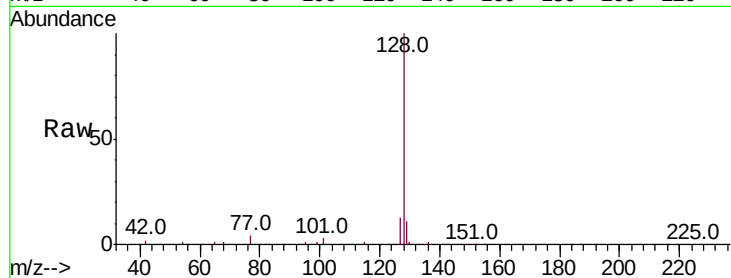
Tot Ion:128 Resp: 48558

Ion Ratio Lower Upper

128 100

129 11.2 9.1 13.7

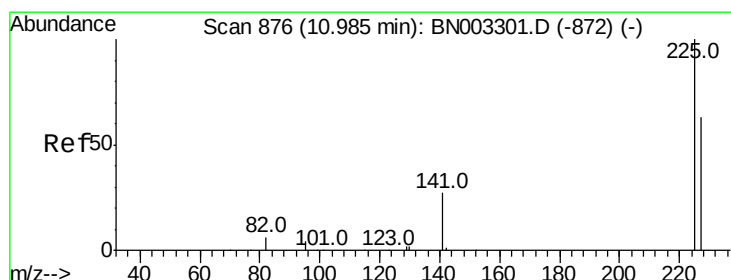
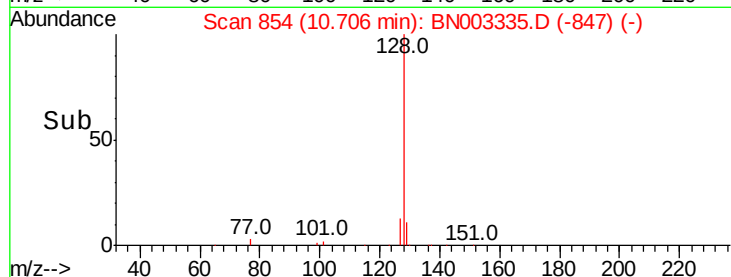
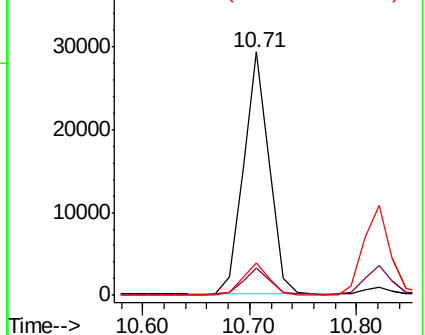
127 13.1 10.2 15.4



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: 0.273 ng

RT: 10.97 min Scan# 875

Delta R.T. -0.01 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

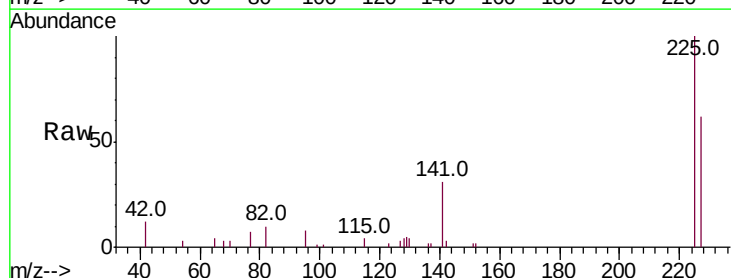
Tgt Ion:225 Resp: 7827

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

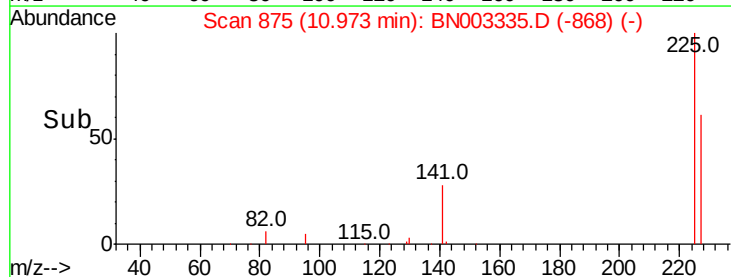
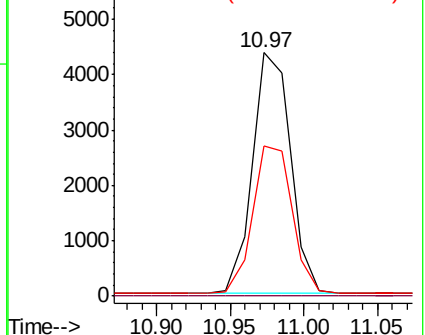
227 63.1 51.3 76.9

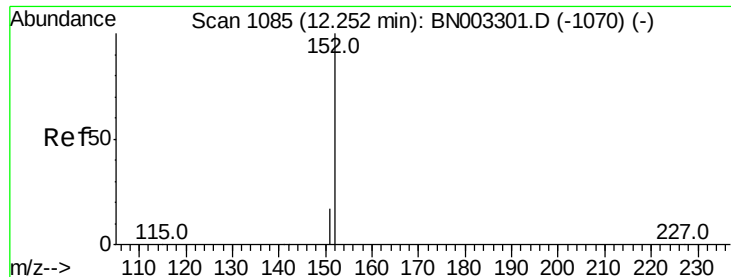


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

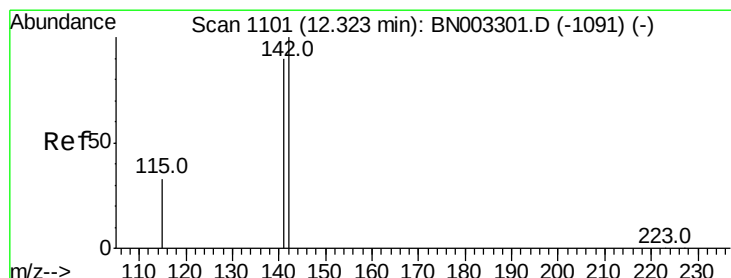
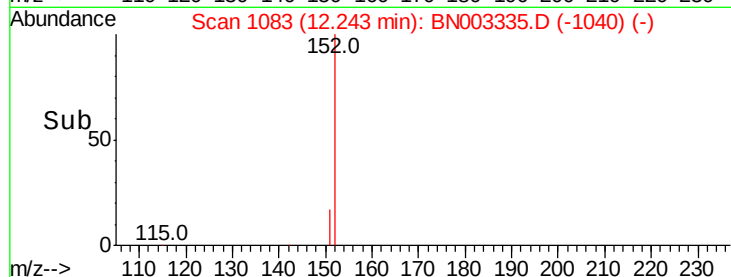
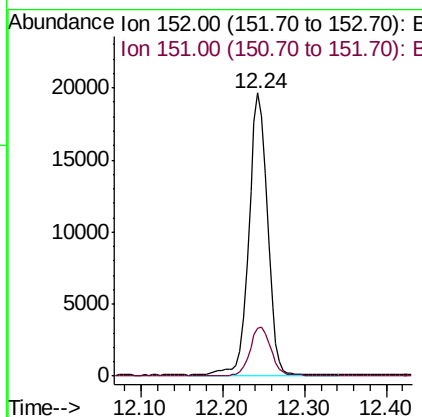
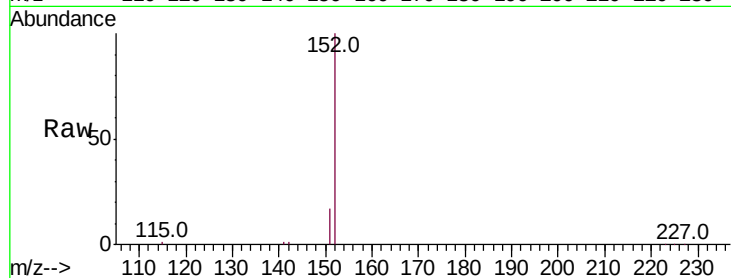




#11
2-Methylnaphthalene-d10
Concen: 0.296 ng
RT: 12.24 min Scan# 1083
Delta R.T. -0.01 min
Lab File: BN003335.D
Acq: 29 Oct 2018 16:40

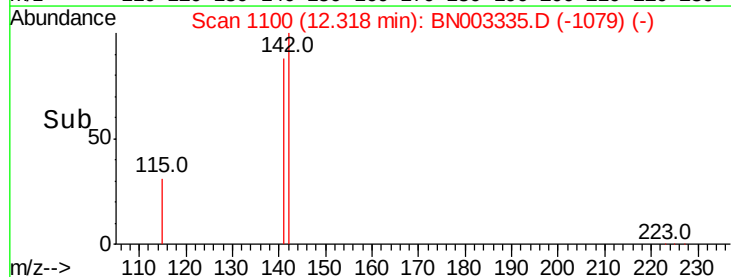
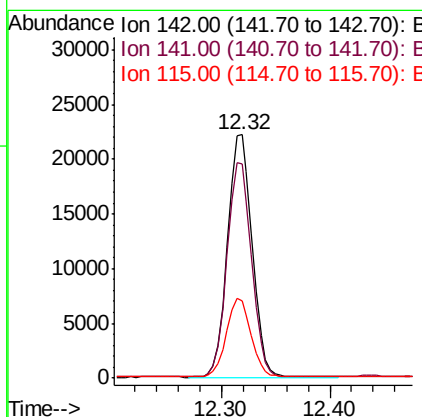
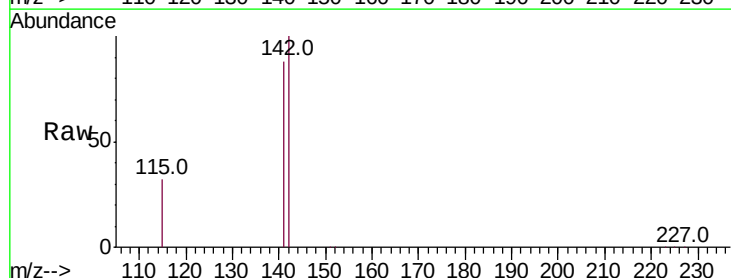
Instrument :
BNA_N
ClientSampleId :
PB114224BS

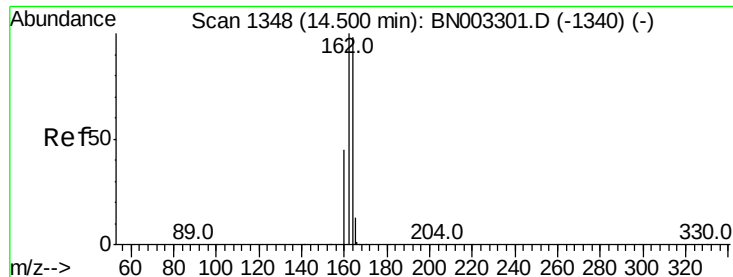
Tot Ion:152 Resp: 30938
Ion Ratio Lower Upper
152 100
151 18.7 15.1 22.7



#12
2-Methylnaphthalene
Concen: 0.319 ng
RT: 12.32 min Scan# 1100
Delta R.T. -0.00 min
Lab File: BN003335.D
Acq: 29 Oct 2018 16:40

Tgt Ion:142 Resp: 34957
Ion Ratio Lower Upper
142 100
141 88.0 71.9 107.9
115 31.7 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: BN003335.D

Acq: 29 Oct 2018 16:40

Instrument :

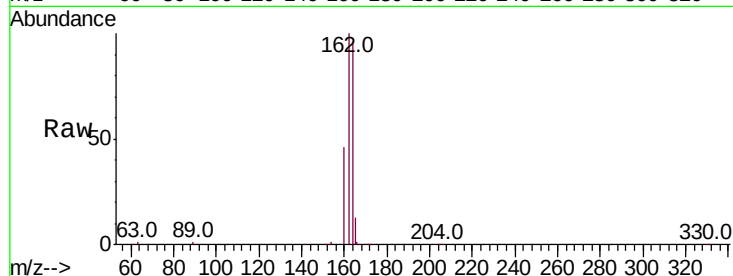
BNA_N

ClientSampleId :

PB114224BS

Tot Ion:164 Resp: 37680

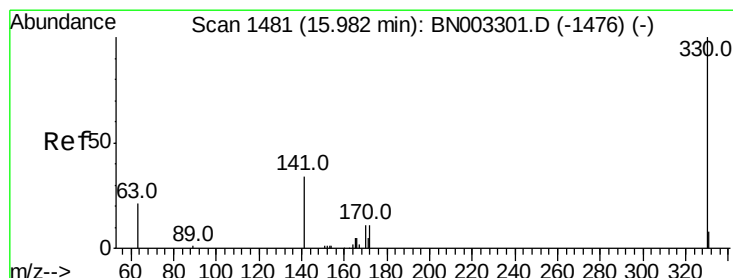
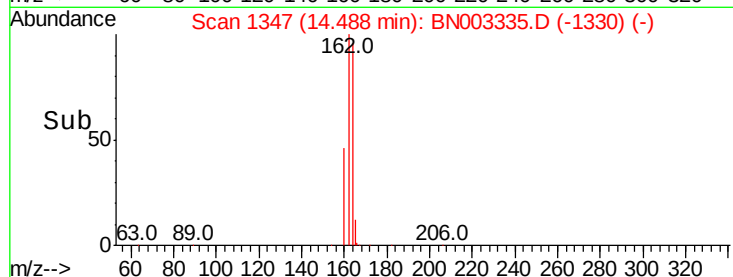
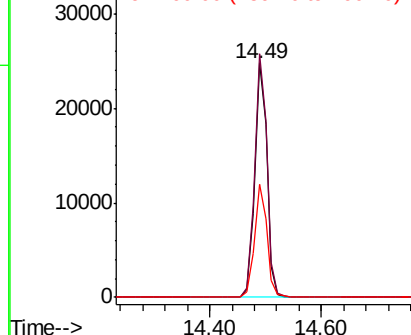
Ion	Ratio	Lower	Upper
164	100		
162	104.0	81.8	122.6
160	48.2	37.2	55.8



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: 0.319 ng

RT: 15.98 min Scan# 1481

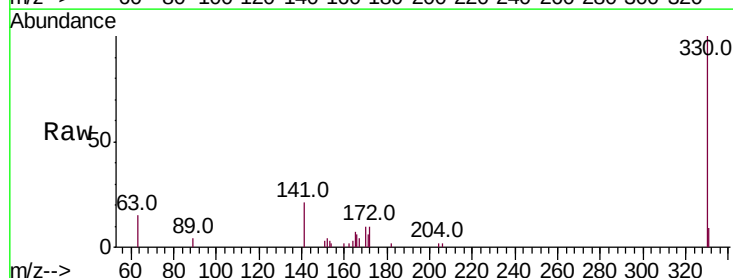
Delta R.T. -0.00 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

Tgt Ion:330 Resp: 4788

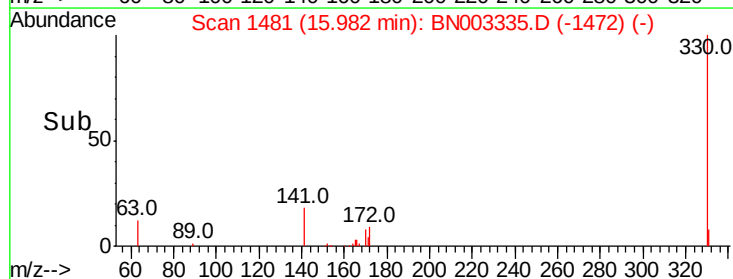
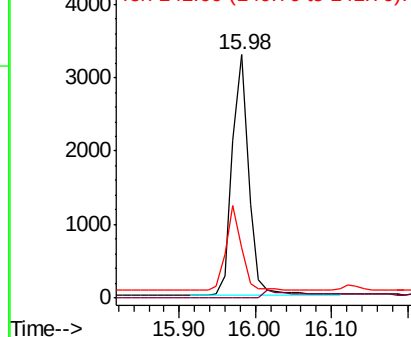
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.4	28.3	42.5

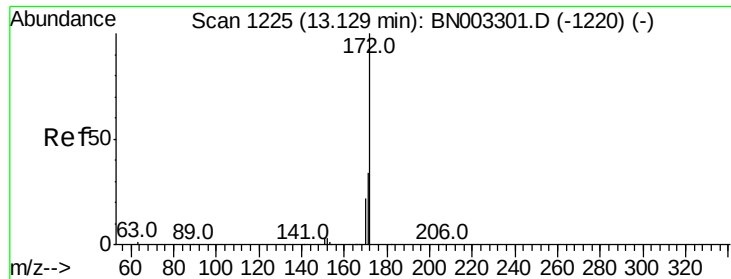


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

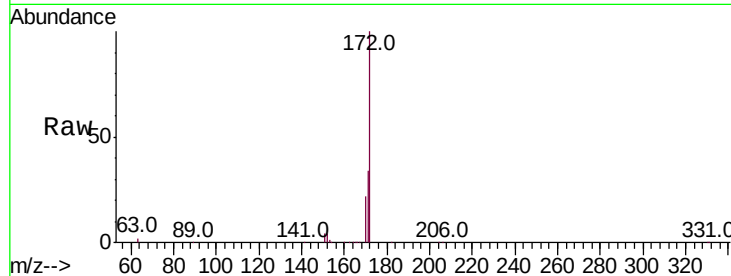




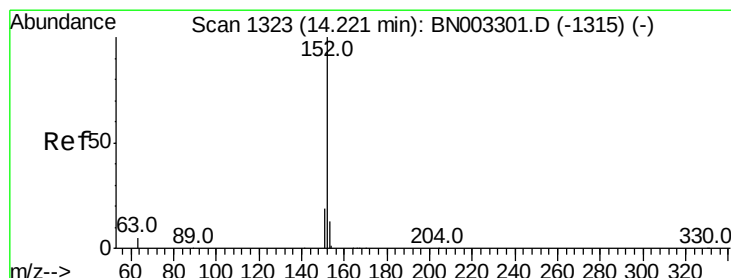
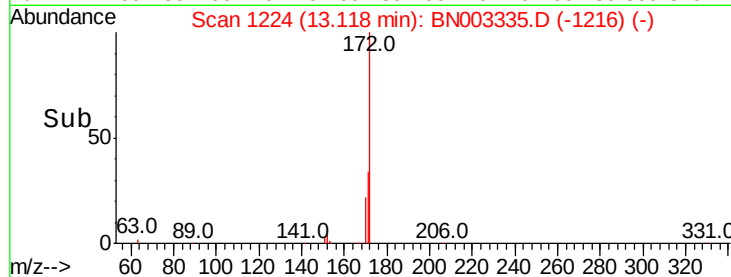
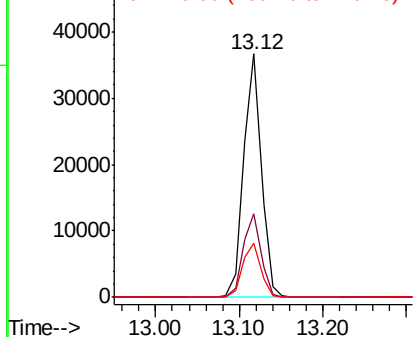
#15
2-Fluorobiphenyl
Concen: 0.329 ng
RT: 13.12 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BN003335.D
Acq: 29 Oct 2018 16:40

Instrument :
BNA_N
ClientSampleId :
PB114224BS

Tot Ion:172 Resp: 53388
Ion Ratio Lower Upper
172 100
171 34.5 27.1 40.7
170 22.1 17.4 26.0

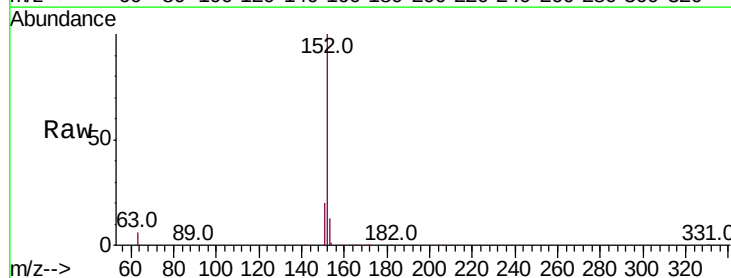


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

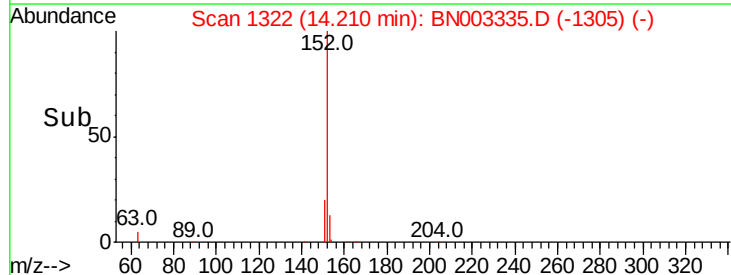
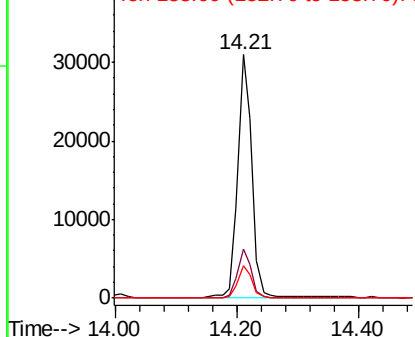


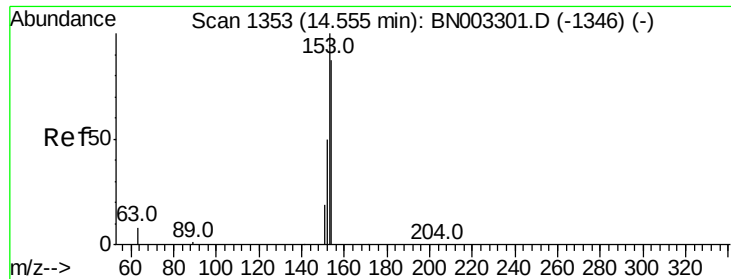
#16
Acenaphthylene
Concen: 0.292 ng
RT: 14.21 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BN003335.D
Acq: 29 Oct 2018 16:40

Tgt Ion:152 Resp: 49069
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 13.0 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.282 ng

RT: 14.56 min Scan# 1353

Delta R.T. -0.00 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

Instrument :

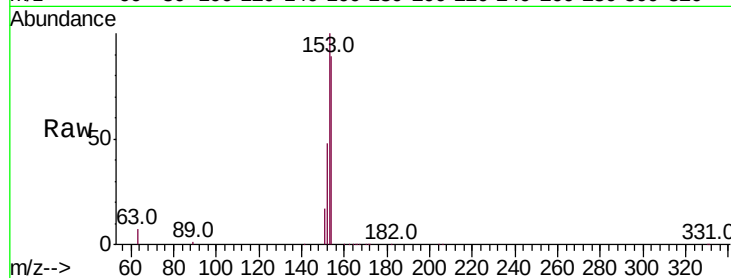
BNA_N

ClientSampleId :

PB114224BS

Tot Ion:154 Resp: 32857

Ion	Ratio	Lower	Upper
154	100		
153	111.4	88.9	133.3
152	54.2	43.5	65.3

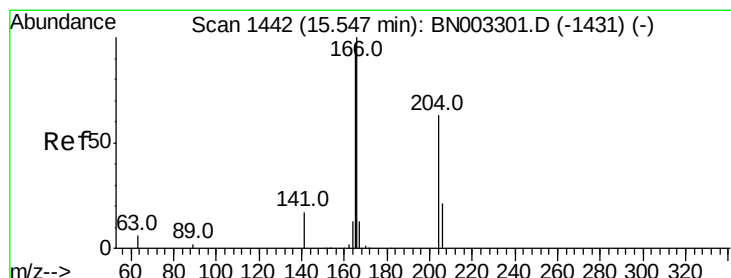
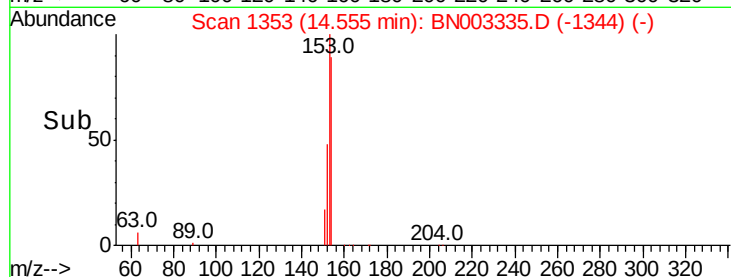
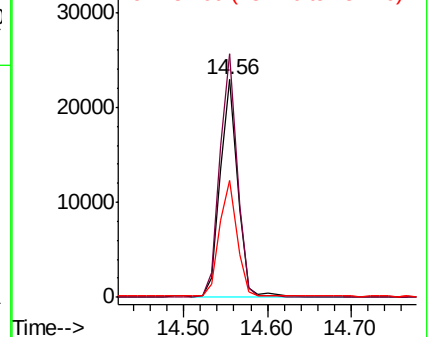


Abundance

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: 0.288 ng

RT: 15.54 min Scan# 1441

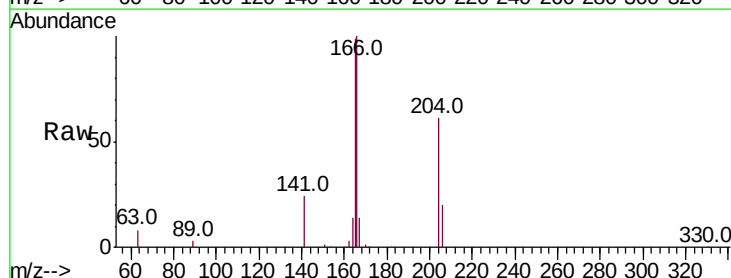
Delta R.T. -0.01 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

Tgt Ion:166 Resp: 41930

Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.8	116.8
167	13.5	10.9	16.3

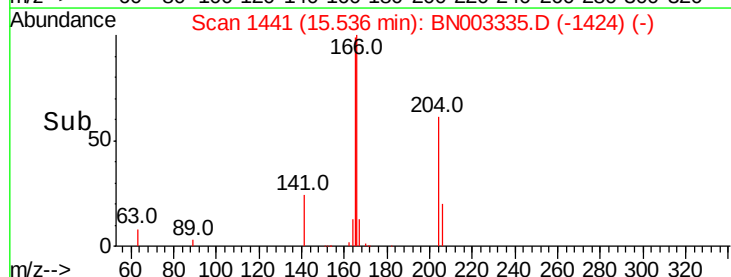
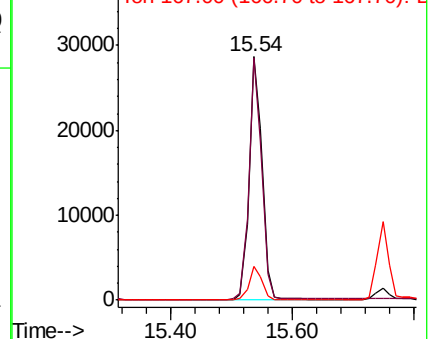


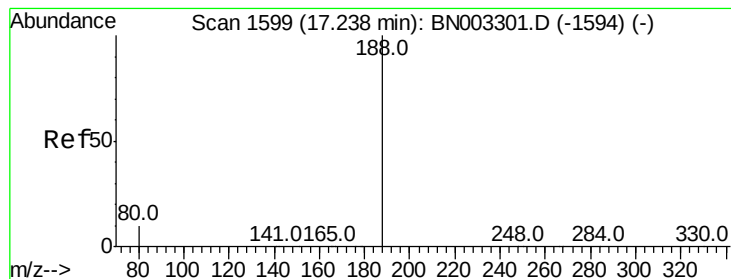
Abundance

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: 17.24 min Scan# 1599

Delta R.T. -0.00 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

Instrument :

BNA_N

ClientSampleId :

PB114224BS

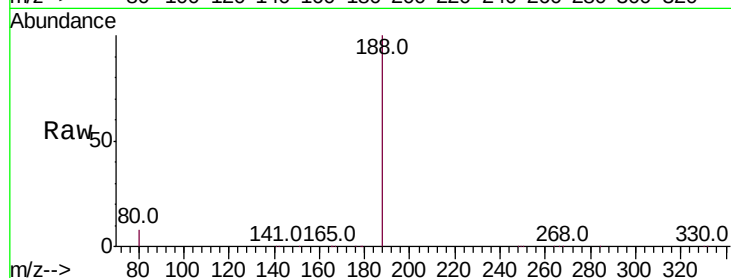
Tot Ion:188 Resp: 87733

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

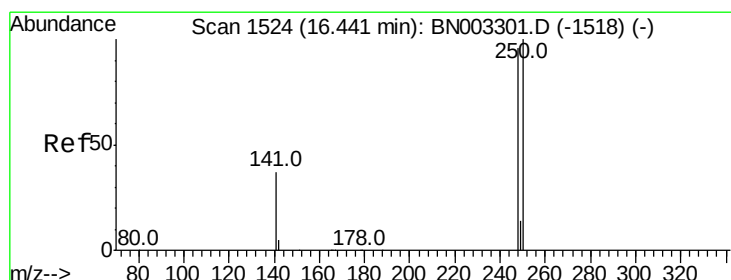
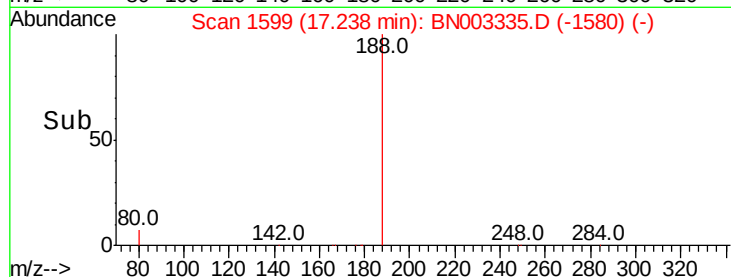
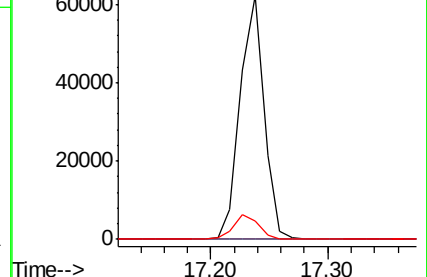
80 7.6 8.6 12.8#



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: 0.268 ng

RT: 16.43 min Scan# 1523

Delta R.T. -0.01 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

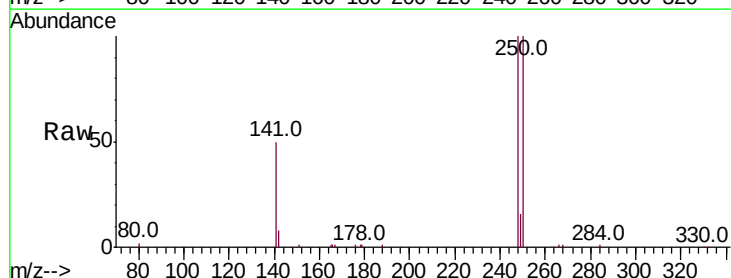
Tgt Ion:248 Resp: 13616

Ion Ratio Lower Upper

248 100

250 100.1 83.7 125.5

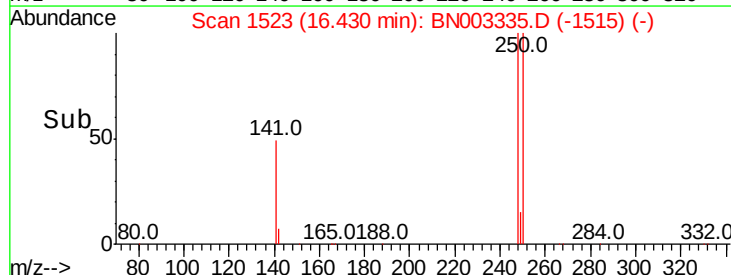
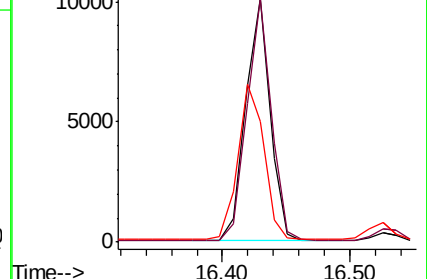
141 49.8 31.4 47.0#

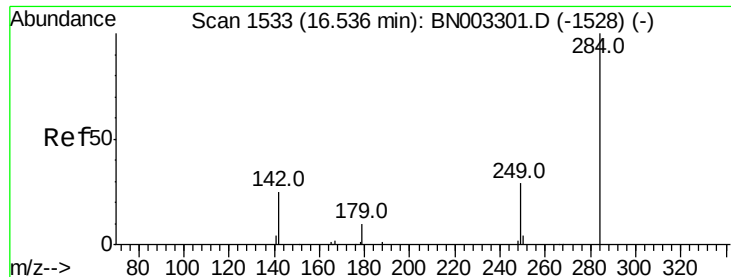


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.272 ng

RT: 16.54 min Scan# 1533

Delta R.T. -0.00 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

Instrument :

BNA_N

ClientSampleId :

PB114224BS

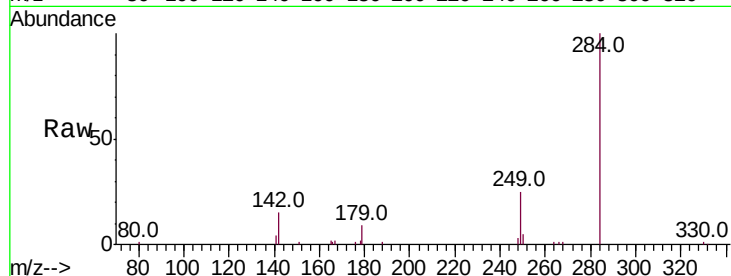
Tot Ion:284 Resp: 14587

Ion Ratio Lower Upper

284 100

142 35.7 29.7 44.5

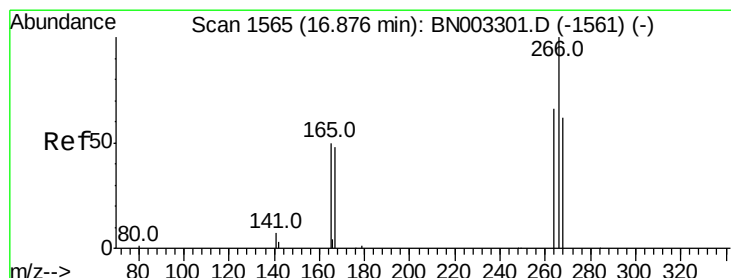
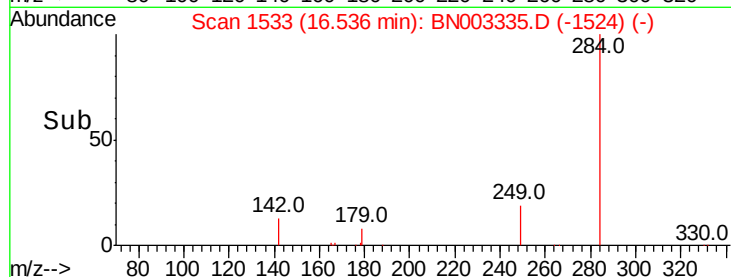
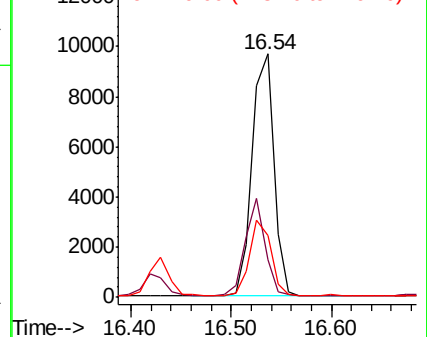
249 30.1 24.0 36.0



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: 0.605 ng

RT: 16.88 min Scan# 1565

Delta R.T. -0.00 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

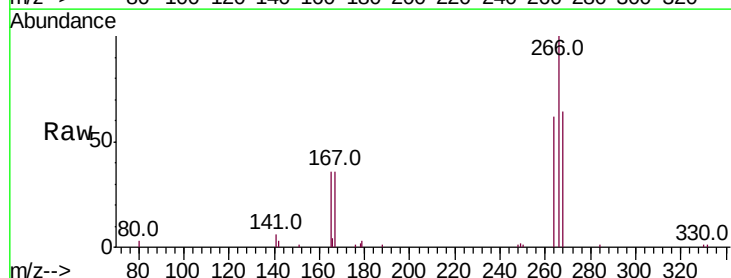
Tgt Ion:266 Resp: 8789

Ion Ratio Lower Upper

266 100

264 62.1 52.1 78.1

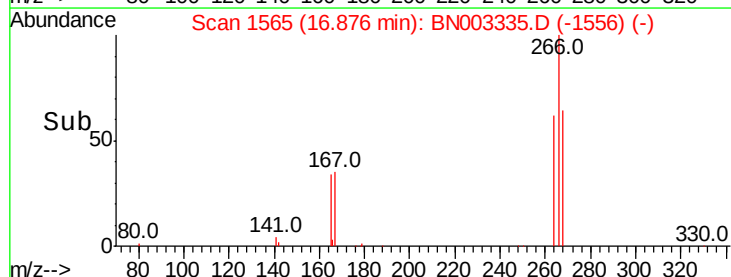
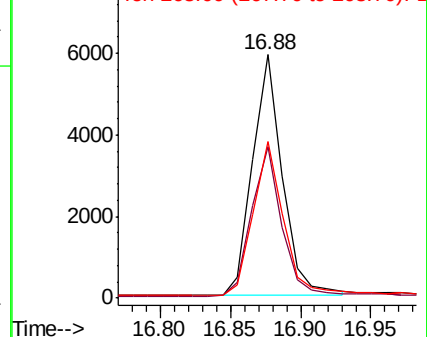
268 64.3 51.8 77.6

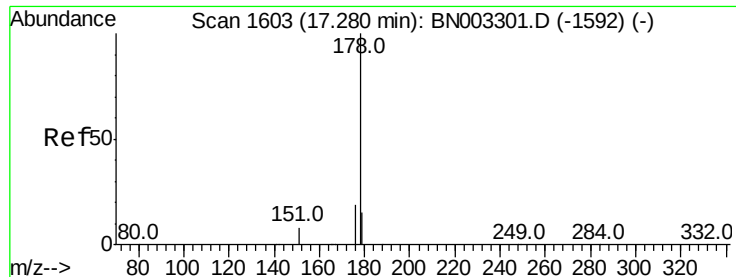


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.288 ng

RT: 17.28 min Scan# 1603

Delta R.T. -0.00 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

Instrument :

BNA_N

ClientSampleId :

PB114224BS

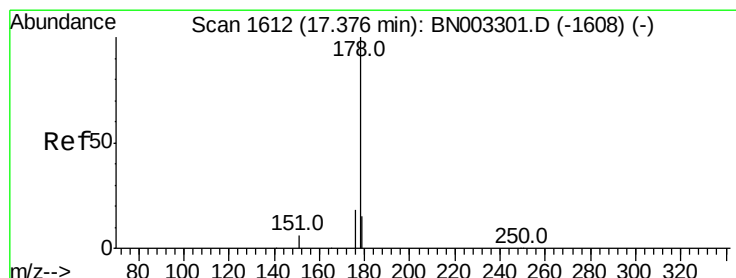
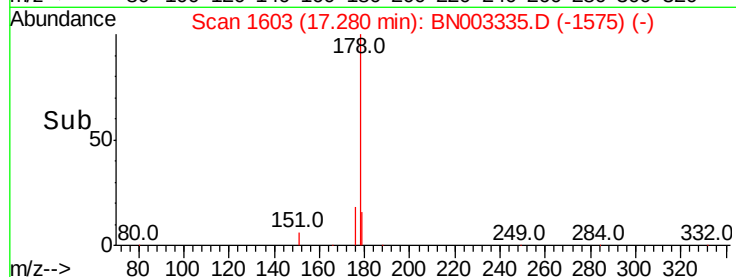
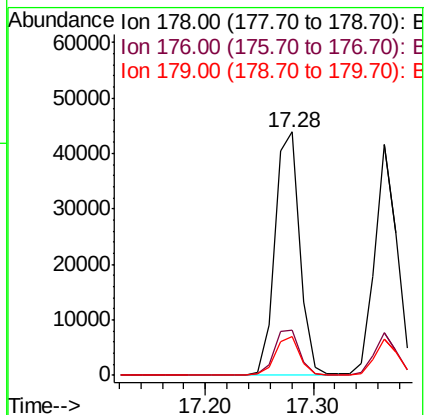
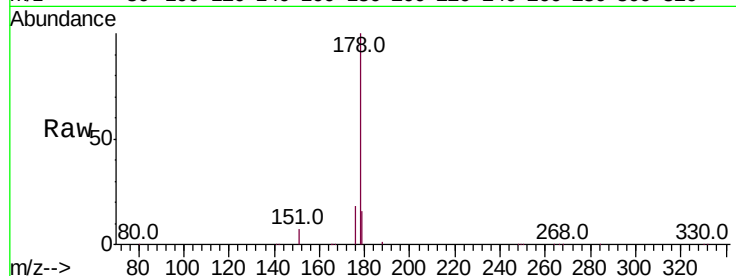
Tot Ion:178 Resp: 69350

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

179 15.4 12.4 18.6



#24

Anthracene

Concen: 0.291 ng

RT: 17.37 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

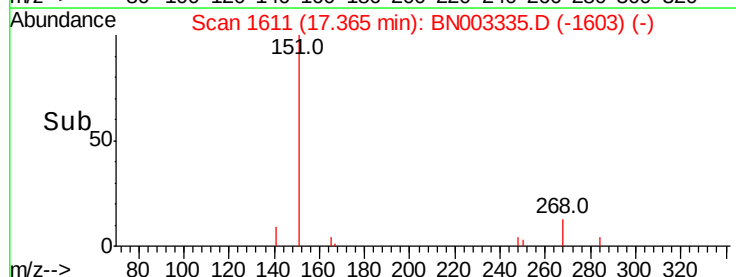
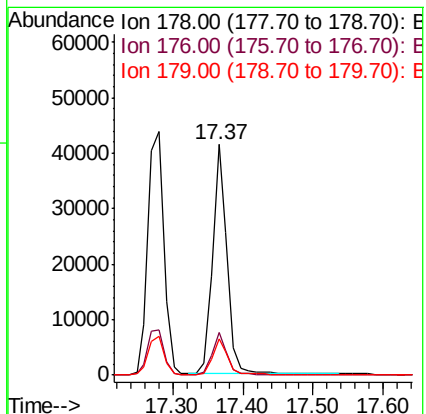
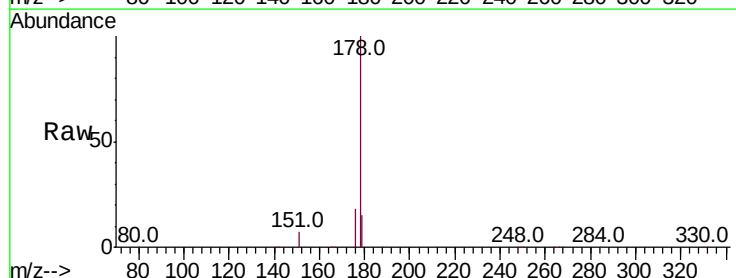
Tgt Ion:178 Resp: 60089

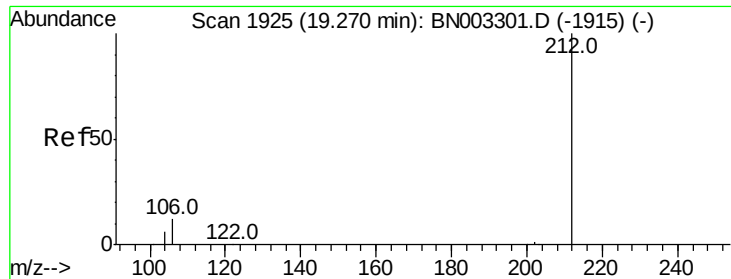
Ion Ratio Lower Upper

178 100

176 18.2 14.5 21.7

179 15.3 12.2 18.4





#25

Fluoranthene-d10

Concen: 0.262 ng

RT: 19.26 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

Instrument :

BNA_N

ClientSampleId :

PB114224BS

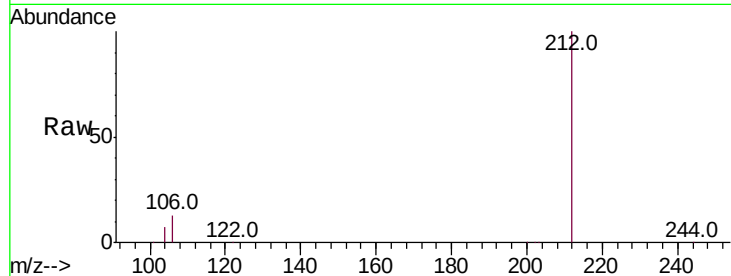
Tot Ion:212 Resp: 66868

Ion Ratio Lower Upper

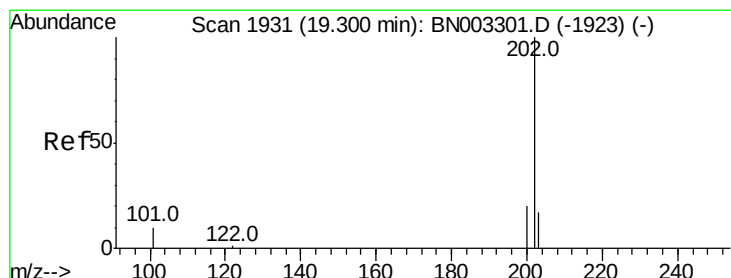
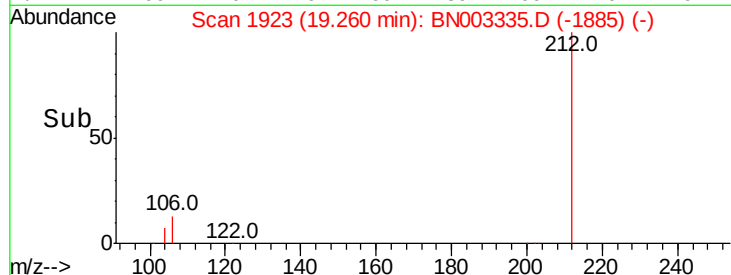
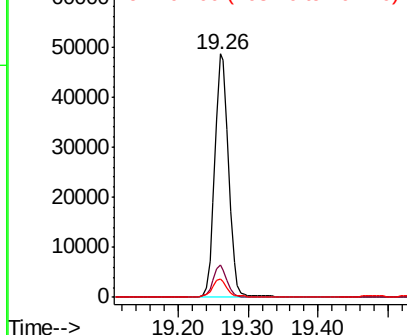
212 100

106 12.6 10.3 15.5

104 7.0 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: 0.270 ng

RT: 19.29 min Scan# 1930

Delta R.T. -0.01 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

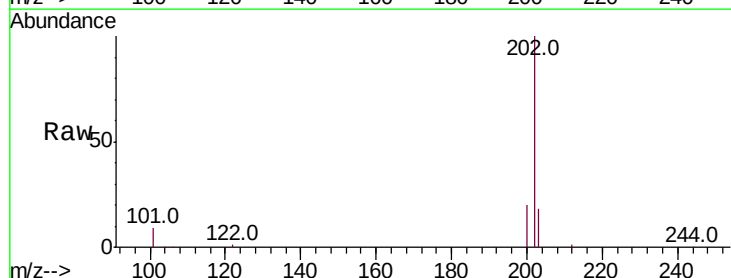
Tgt Ion:202 Resp: 74571

Ion Ratio Lower Upper

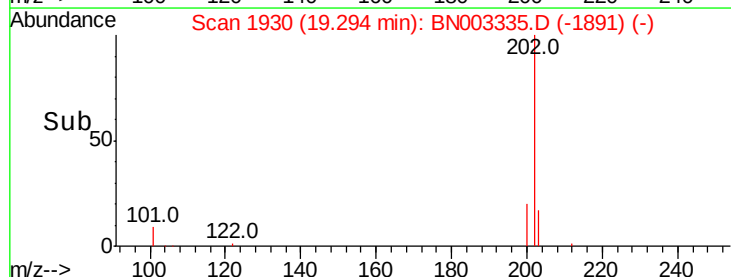
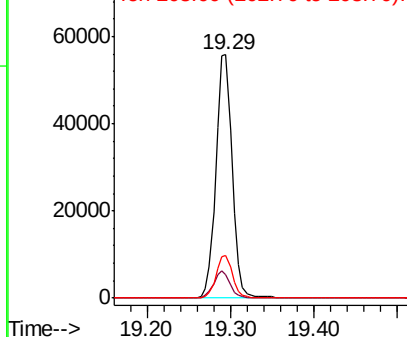
202 100

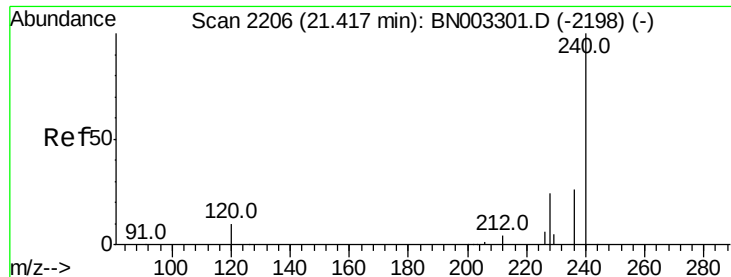
101 11.0 9.0 13.4

203 17.3 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: BN003335.D

Acq: 29 Oct 2018 16:40

Instrument :

BNA_N

ClientSampleId :

PB114224BS

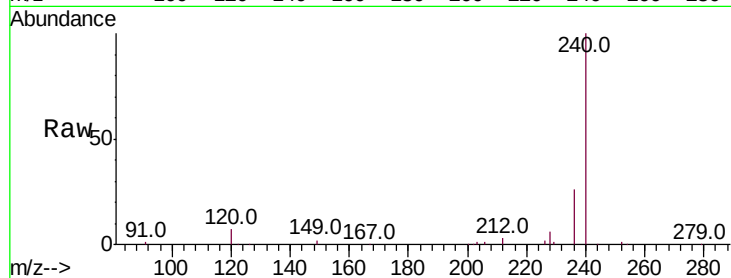
Tot Ion:240 Resp: 91692

Ion Ratio Lower Upper

240 100

120 6.7 9.3 13.9#

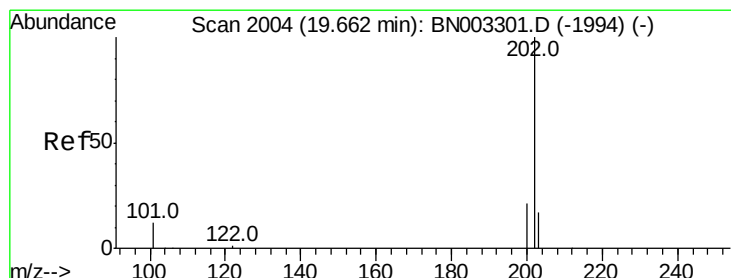
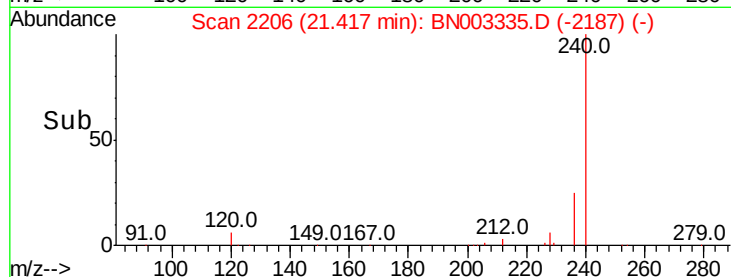
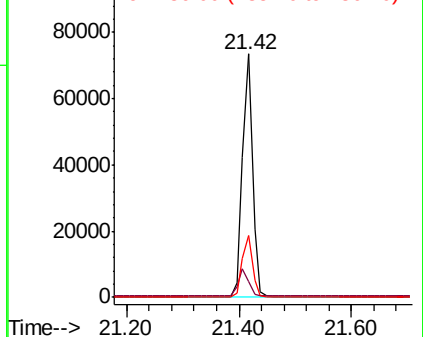
236 25.6 21.0 31.4



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: 0.292 ng

RT: 19.66 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

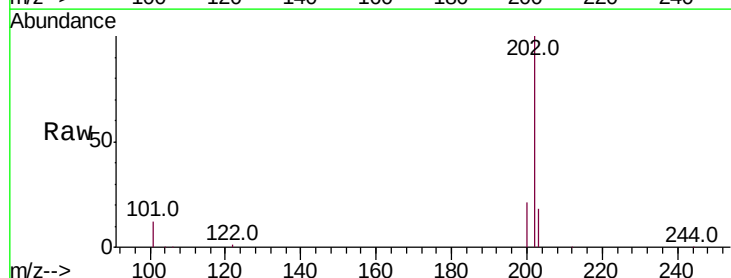
Tgt Ion:202 Resp: 74119

Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

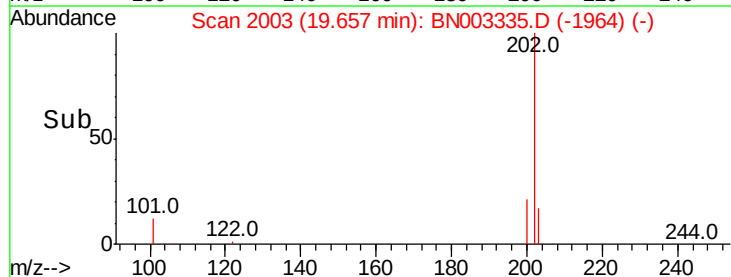
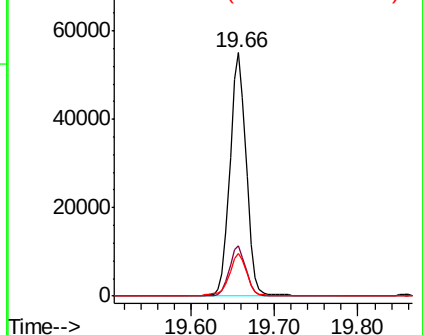
203 17.9 13.9 20.9

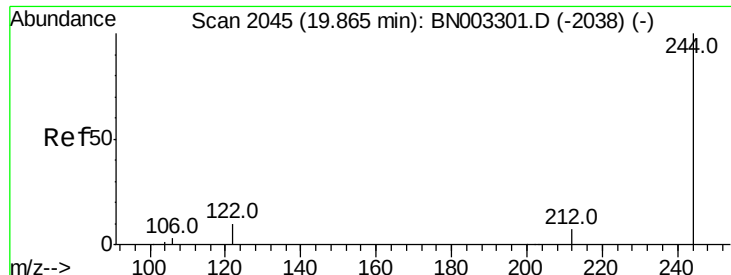


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.289 ng

RT: 19.86 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

Instrument :

BNA_N

ClientSampleId :

PB114224BS

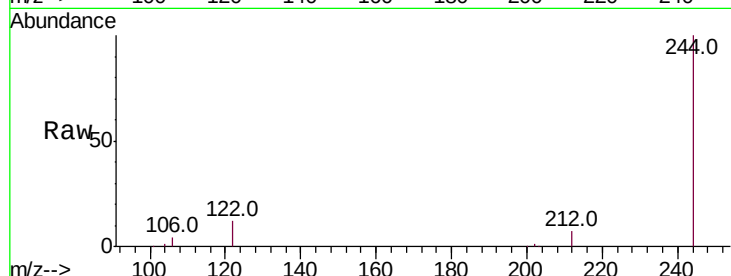
Tot Ion:244 Resp: 61637

Ion Ratio Lower Upper

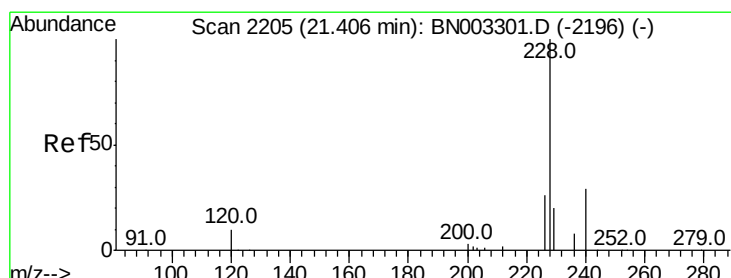
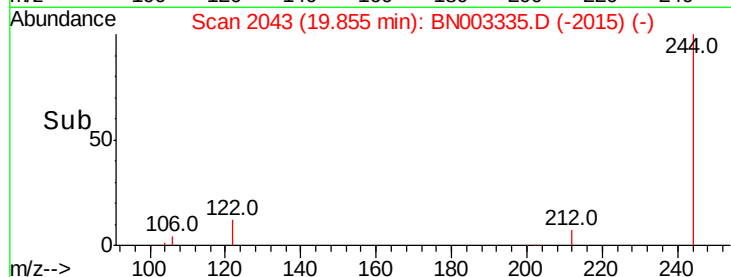
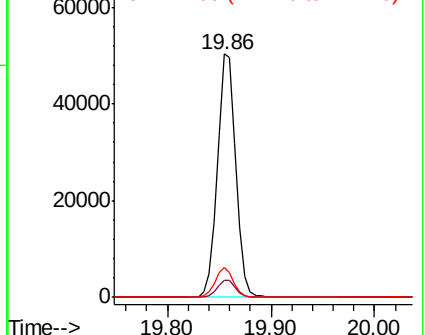
244 100

212 7.1 5.6 8.4

122 12.2 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: 0.303 ng

RT: 21.40 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

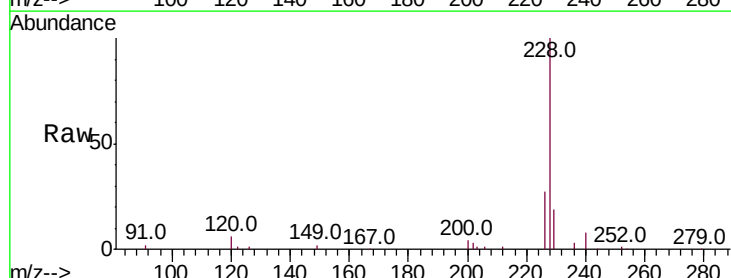
Tgt Ion:228 Resp: 72920

Ion Ratio Lower Upper

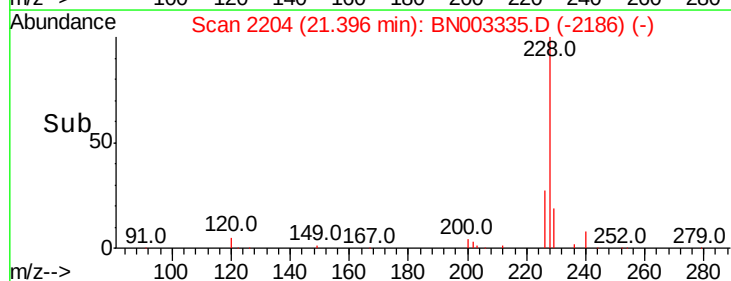
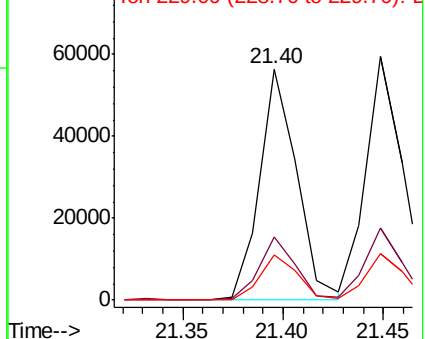
228 100

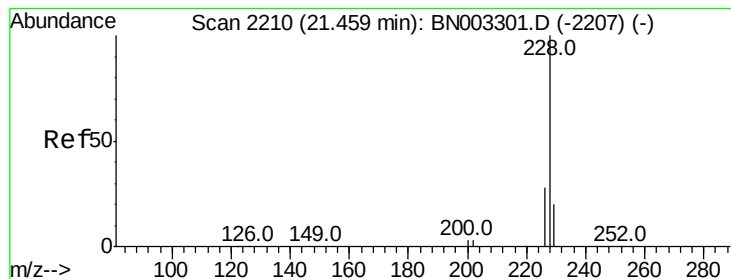
226 27.1 20.8 31.2

229 19.4 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: 0.284 ng

RT: 21.45 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

Instrument :

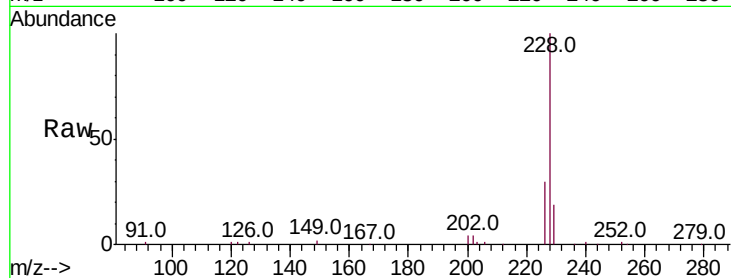
BNA_N

ClientSampleId :

PB114224BS

Tot Ion:228 Resp: 73701

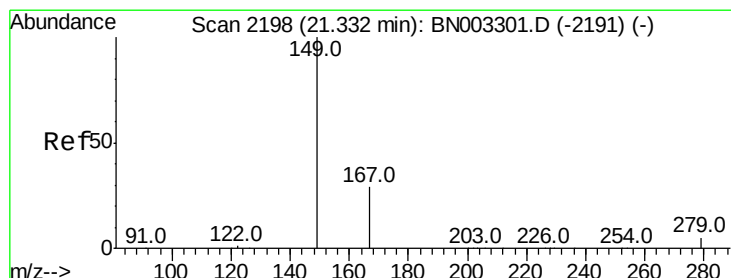
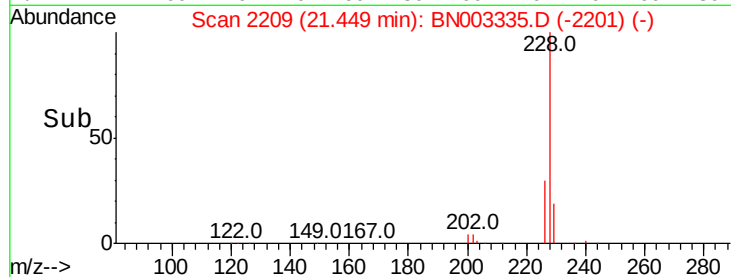
Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.7	34.1
229	19.3	16.0	24.0



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: 0.346 ng

RT: 21.32 min Scan# 2197

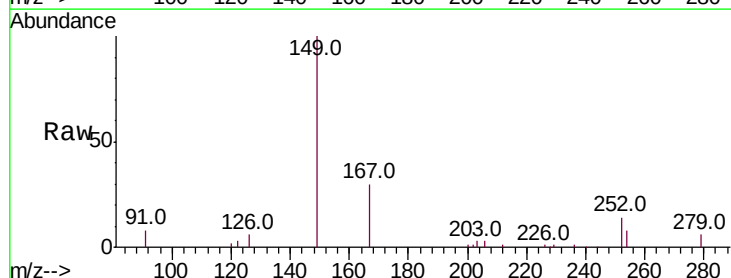
Delta R.T. -0.01 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

Tgt Ion:149 Resp: 24583

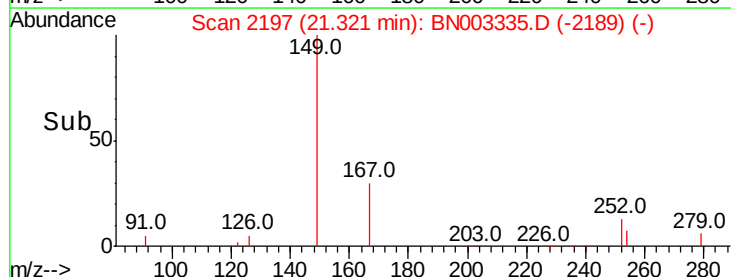
Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.4	33.6
279	5.8	3.9	5.9

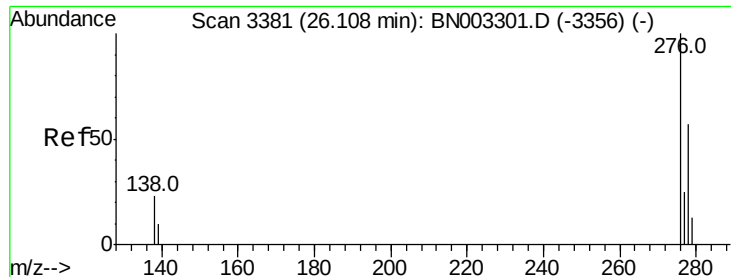


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.293 ng

RT: 26.09 min Scan# 3377

Delta R.T. -0.01 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

Instrument :

BNA_N

ClientSampleId :

PB114224BS

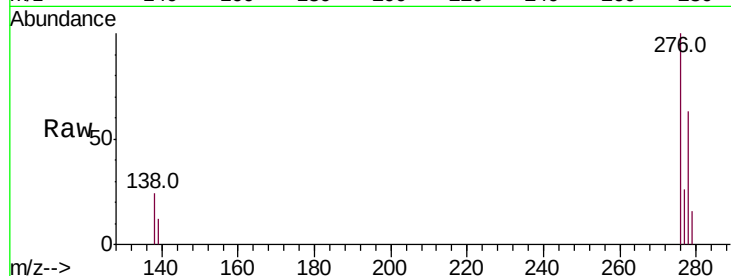
Tot Ion:276 Resp: 78496

Ion Ratio Lower Upper

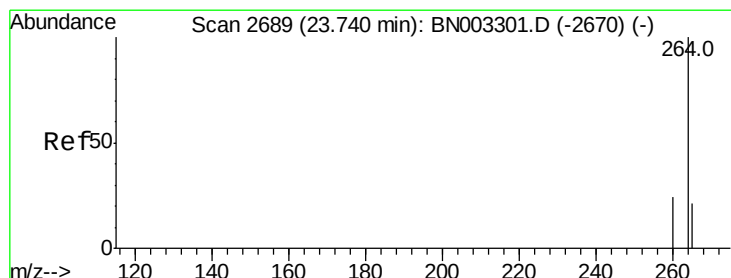
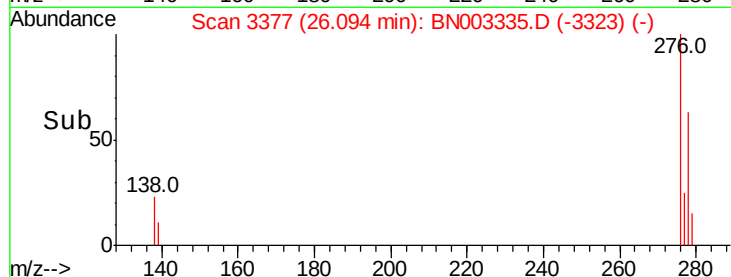
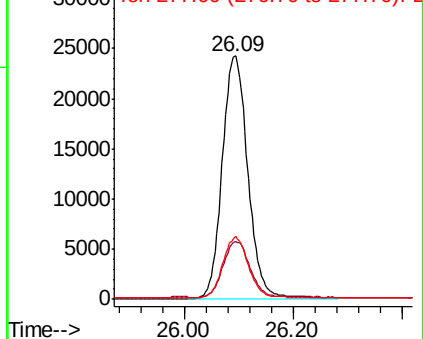
276 100

138 24.0 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: BN003335.D

Acq: 29 Oct 2018 16:40

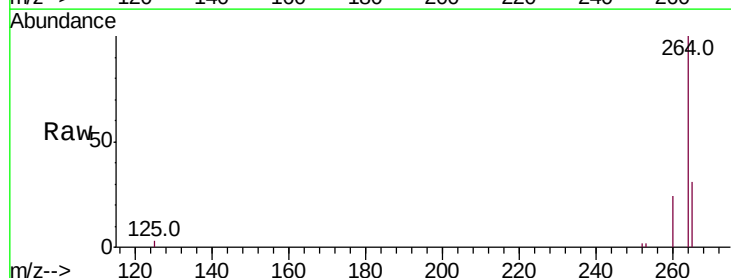
Tgt Ion:264 Resp: 88238

Ion Ratio Lower Upper

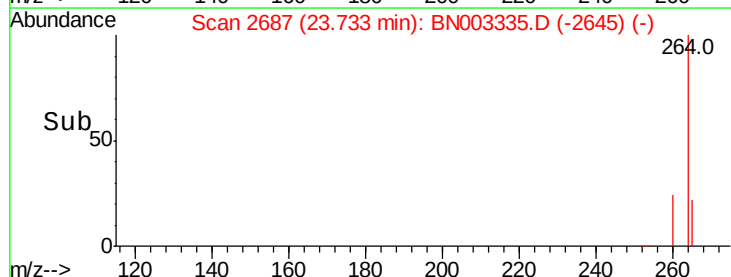
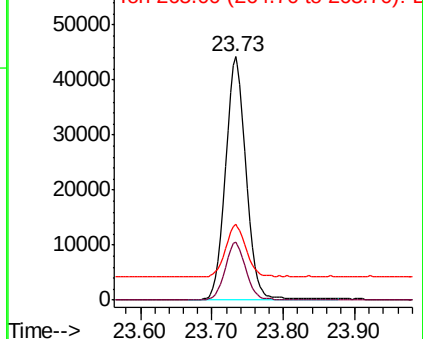
264 100

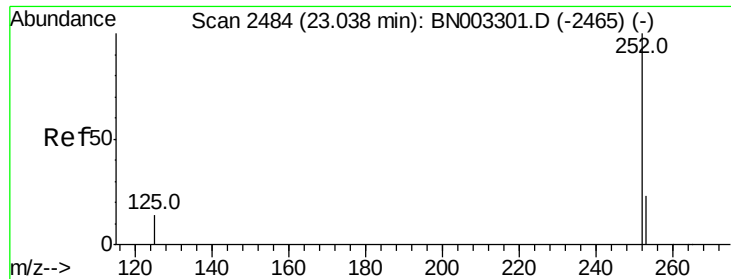
260 23.8 19.1 28.7

265 31.2 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

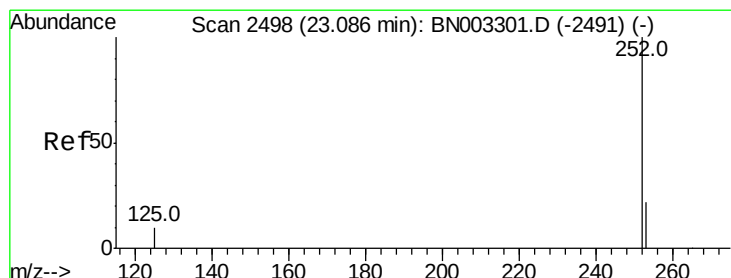
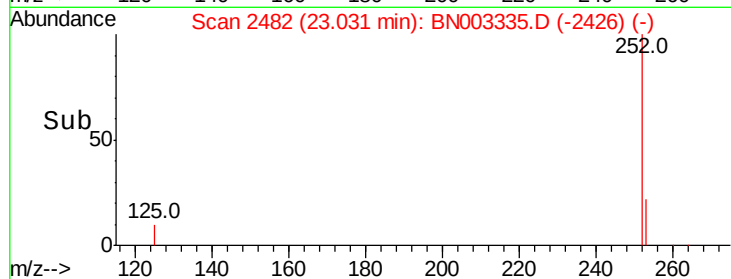
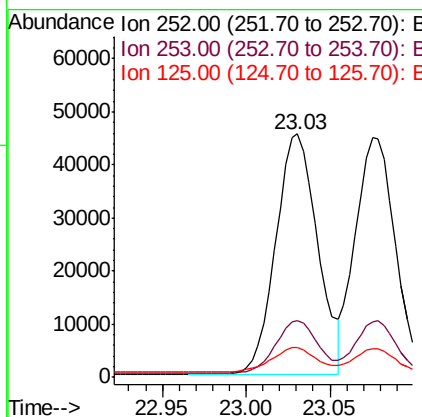
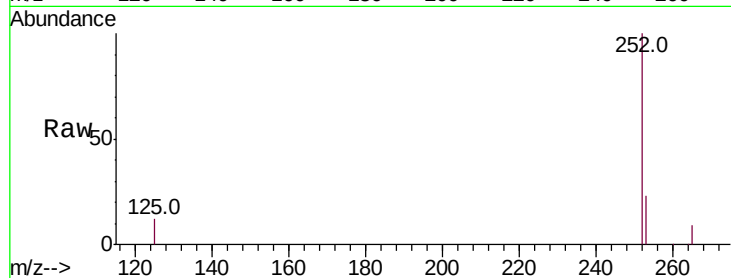




#35
Benzo(b)fluoranthene
Concen: 0.286 ng
RT: 23.03 min Scan# 2482
Delta R.T. -0.01 min
Lab File: BN003335.D
Acq: 29 Oct 2018 16:40

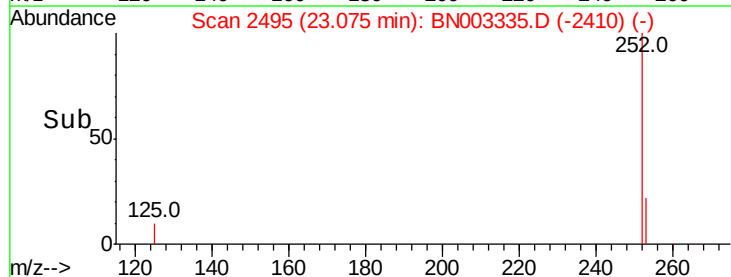
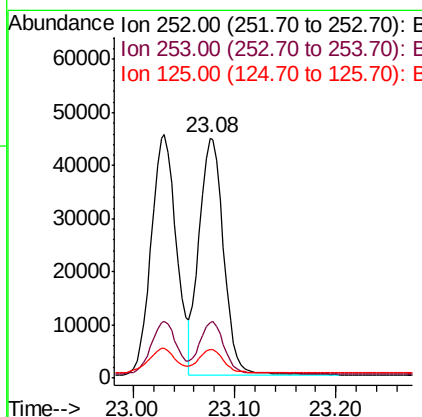
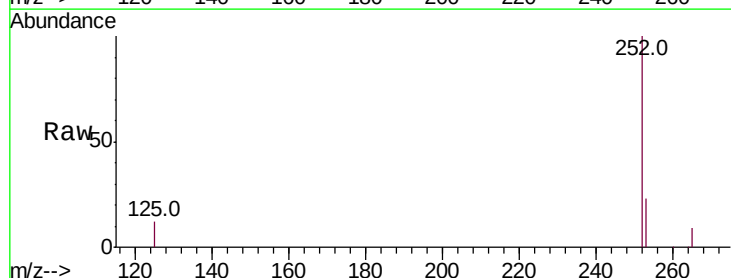
Instrument :
BNA_N
ClientSampleId :
PB114224BS

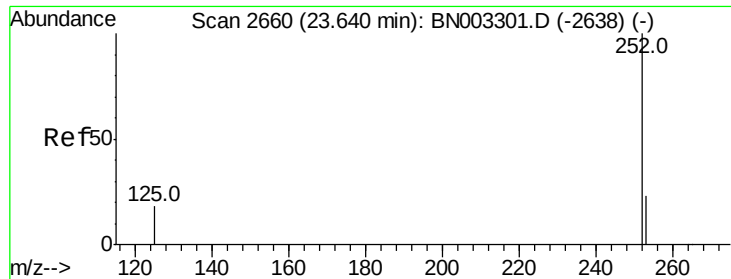
Tot Ion:252 Resp: 78750
Ion Ratio Lower Upper
252 100
253 23.5 19.3 28.9
125 12.0 12.7 19.1#



#36
Benzo(k)fluoranthene
Concen: 0.274 ng
RT: 23.08 min Scan# 2495
Delta R.T. -0.01 min
Lab File: BN003335.D
Acq: 29 Oct 2018 16:40

Tgt Ion:252 Resp: 74676
Ion Ratio Lower Upper
252 100
253 23.2 18.5 27.7
125 12.1 9.1 13.7





#37

Benzo(a)pyrene

Concen: 0.285 ng

RT: 23.63 min Scan# 2657

Delta R.T. -0.01 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

Instrument :

BNA_N

ClientSampleId :

PB114224BS

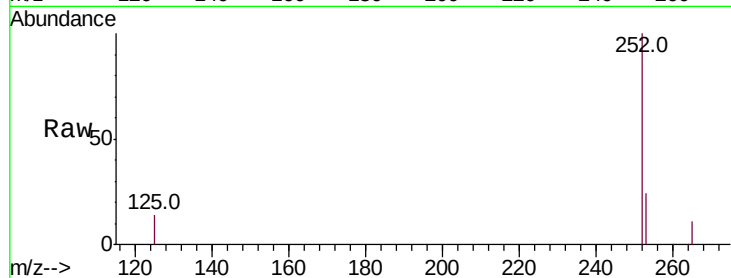
Tot Ion:252 Resp: 71477

Ion Ratio Lower Upper

252 100

253 24.0 20.1 30.1

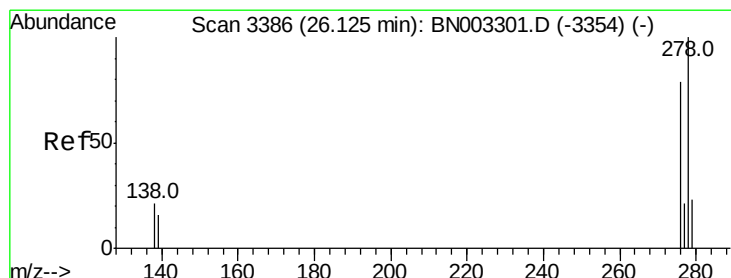
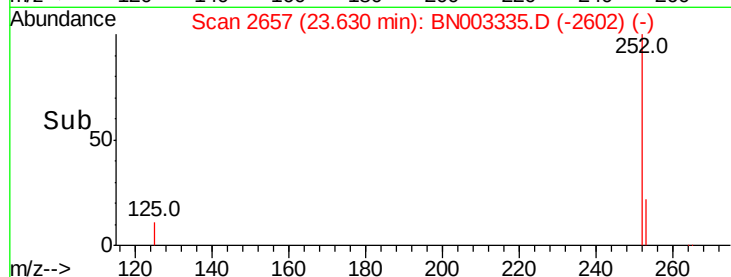
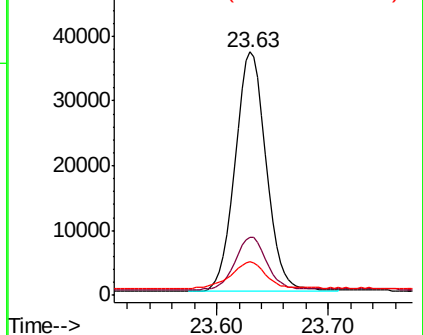
125 13.6 16.0 24.0#



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: 0.280 ng

RT: 26.11 min Scan# 3381

Delta R.T. -0.02 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

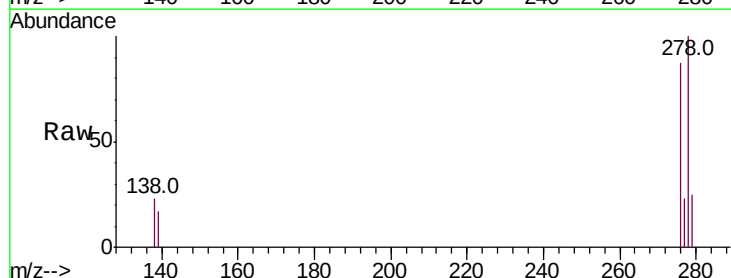
Tgt Ion:278 Resp: 65331

Ion Ratio Lower Upper

278 100

139 17.2 13.5 20.3

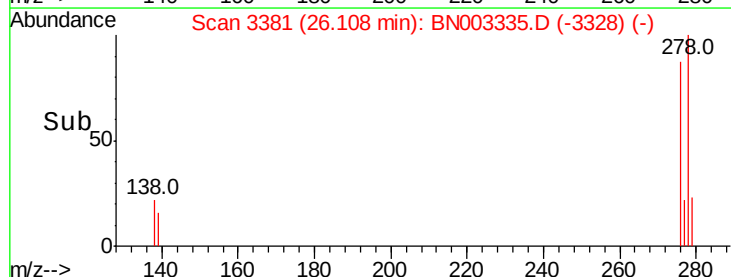
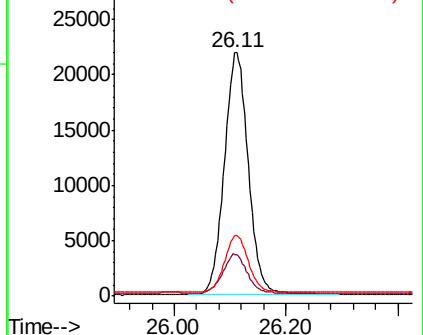
279 24.7 19.8 29.6

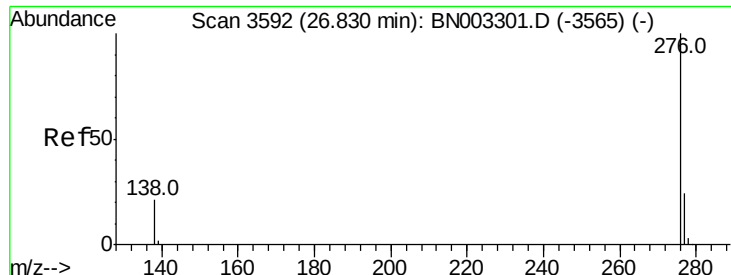


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.281 ng

RT: 26.82 min Scan# 3588

Delta R.T. -0.01 min

Lab File: BN003335.D

Acq: 29 Oct 2018 16:40

Instrument :

BNA_N

ClientSampleId :

PB114224BS

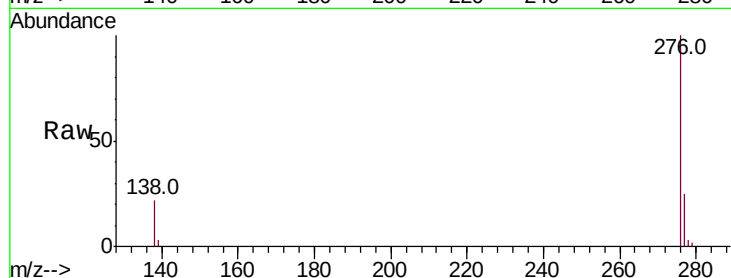
Tot Ion:276 Resp: 65649

Ion Ratio Lower Upper

276 100

277 24.6 19.5 29.3

138 22.2 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

