

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100219\
 Data File : BN007979.D
 Acq On : 02 Oct 2019 23:17
 Operator : JU
 Sample : K5077-07MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 03 06:48:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 18 18:24:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	5145	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	21280	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	13468	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	29003	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	32958	0.40	ng	-0.02
34) Perylene-d12	23.46	264	34827	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	4955	0.28	ng	0.00
5) Phenol-d6	6.87	99	7173	0.32	ng	0.00
8) Nitrobenzene-d5	8.82	82	5280	0.28	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	11597	0.32	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	1677	0.23	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	14964	0.27	ng	-0.01
25) Fluoranthene-d10	19.09	212	30005	0.31	ng	-0.02
29) Terphenyl-d14	19.69	244	27255	0.34	ng	-0.02

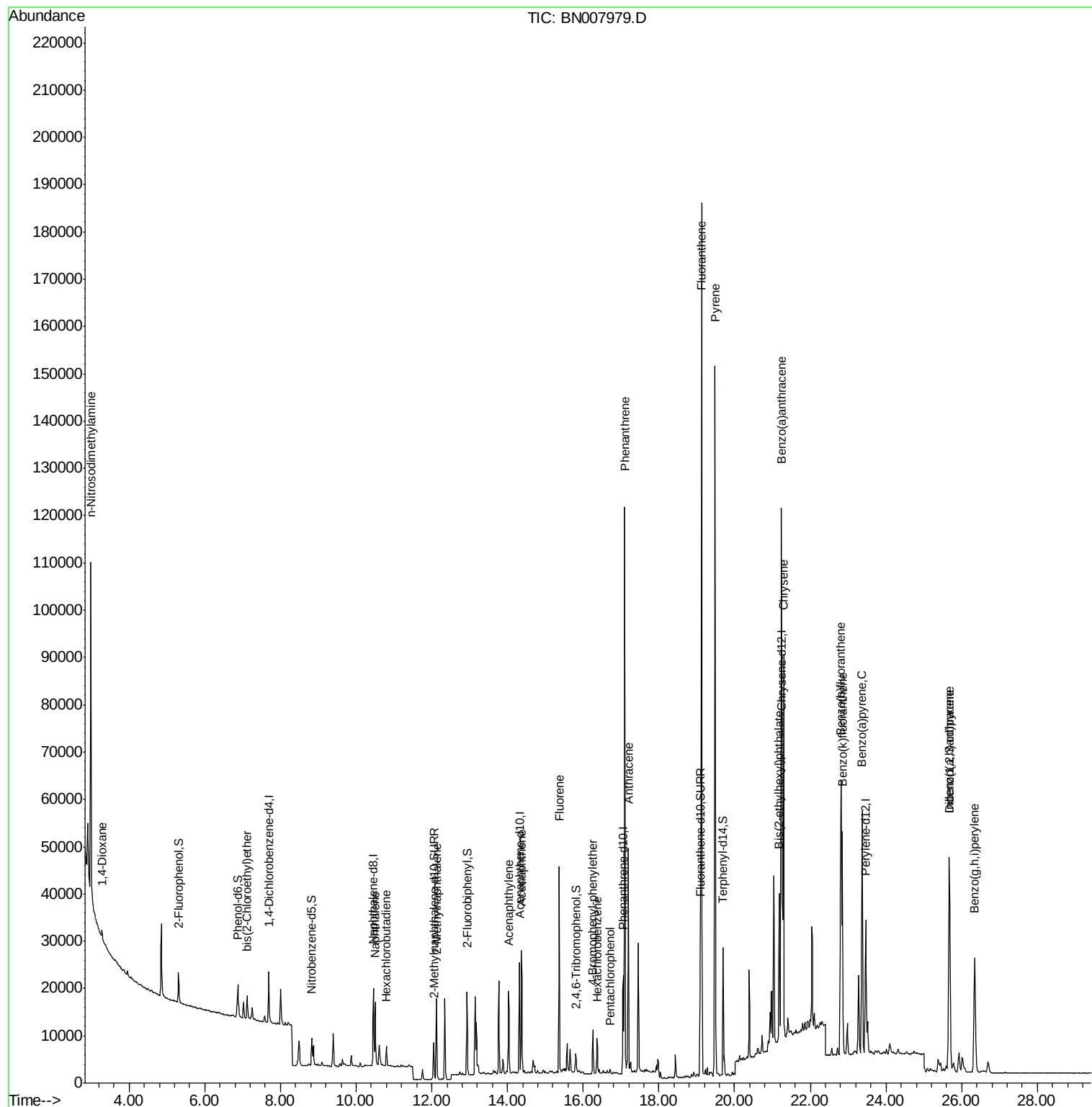
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.28	88	1328	0.232	ng	# 48
3) n-Nitrosodimethylamine	2.99	42	6242	2.376	ng	82
6) bis(2-Chloroethyl)ether	7.12	93	4619	0.317	ng	91
9) Naphthalene	10.51	128	17795	0.298	ng	99
10) Hexachlorobutadiene	10.80	225	3318	0.264	ng	# 100
12) 2-Methylnaphthalene	12.12	142	12194	0.302	ng	99
16) Acenaphthylene	14.02	152	20181	0.283	ng	100
17) Acenaphthene	14.37	154	13442	0.292	ng	97
18) Fluorene	15.36	166	20311	0.344	ng	99
20) 4-Bromophenyl-phenylether	16.25	248	4702	0.267	ng	# 82
21) Hexachlorobenzene	16.38	284	5121	0.266	ng	97
22) Pentachlorophenol	16.72	266	174	0.025	ng	# 83
23) Phenanthrene	17.10	178	139084	1.539	ng	100
24) Anthracene	17.19	178	45436	0.557	ng	# 95
26) Fluoranthene	19.12	202	163973	1.460	ng	99
28) Pyrene	19.49	202	134519	1.197	ng	97
30) Benzo(a)anthracene	21.24	228	94729	0.781	ng	98
31) Chrysene	21.29	228	80942	0.684	ng	96
32) Bis(2-ethylhexyl)phthalate	21.17	149	18658	0.299	ng	99
33) Indeno(1,2,3-cd)pyrene	25.67	276	57240	0.387	ng	98
35) Benzo(b)fluoranthene	22.80	252	81716	0.676	ng	98
36) Benzo(k)fluoranthene	22.84	252	56548	0.473	ng	98
37) Benzo(a)pyrene	23.36	252	68917	0.607	ng	98
38) Dibenzo(a,h)anthracene	25.68	278	35964	0.309	ng	95
39) Benzo(g,h,i)perylene	26.34	276	48669	0.423	ng	99

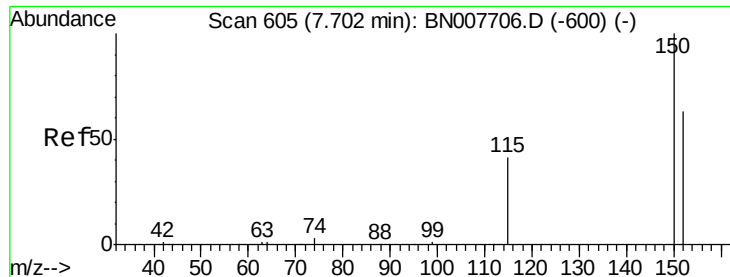
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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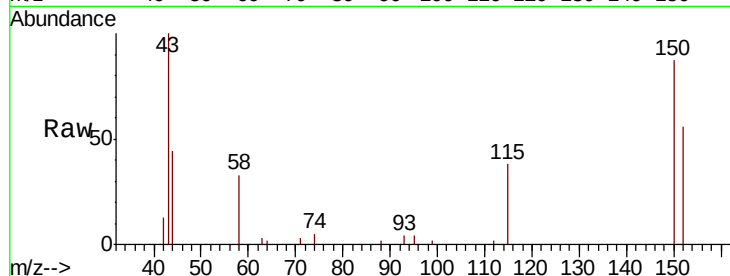


#1

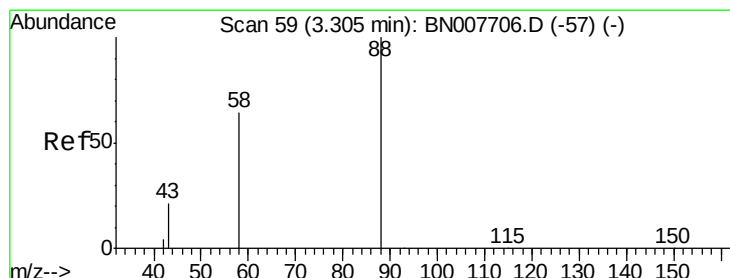
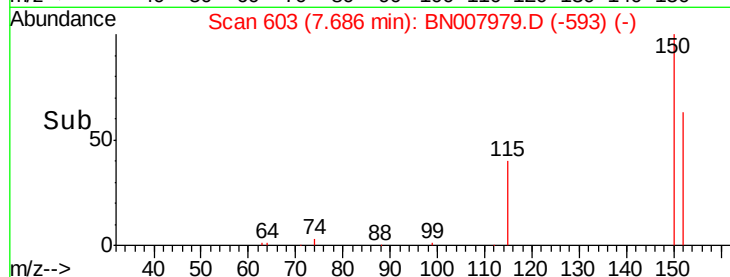
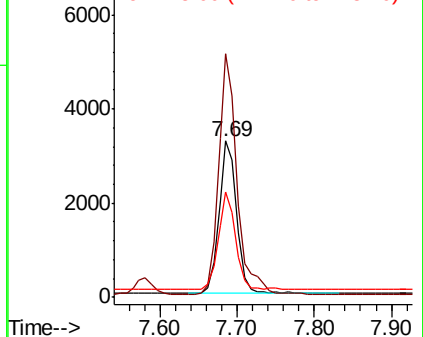
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN007979.D
Acq: 02 Oct 2019 23:17

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 5145
Ion Ratio Lower Upper
152 100
150 155.7 125.6 188.4
115 67.0 53.3 79.9



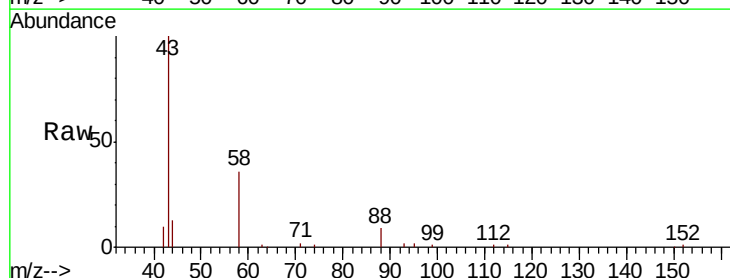
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



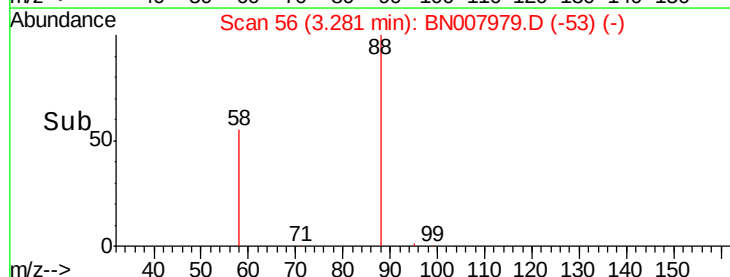
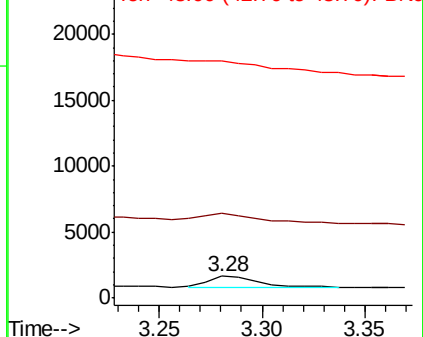
#2

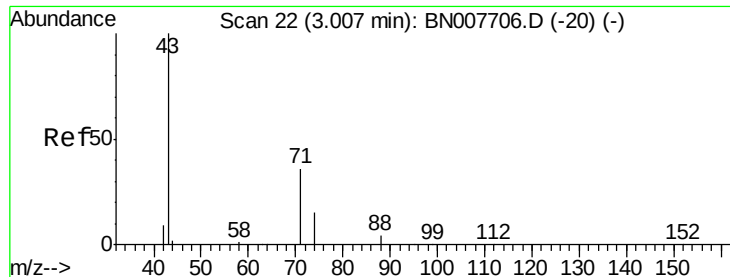
1,4-Dioxane
Concen: 0.232 ng
RT: 3.28 min Scan# 56
Delta R.T. -0.02 min
Lab File: BN007979.D
Acq: 02 Oct 2019 23:17

Tgt Ion: 88 Resp: 1328
Ion Ratio Lower Upper
88 100
58 96.4 44.6 66.8#
43 0.0 14.4 21.6#



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



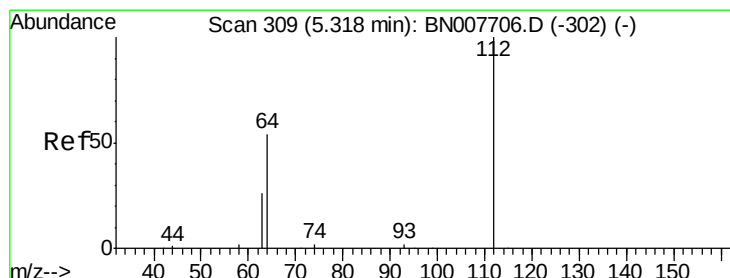
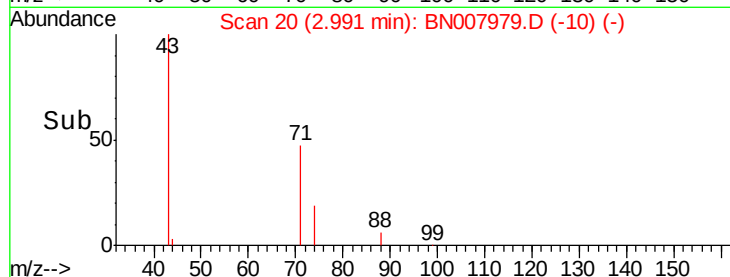
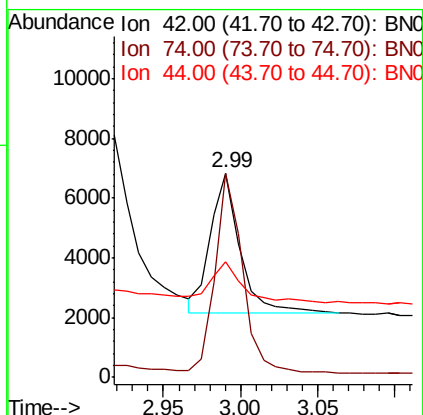
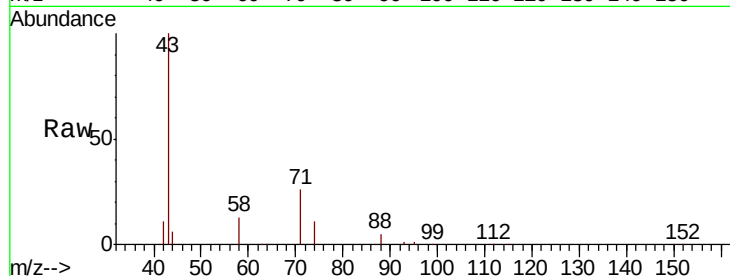


#3

n-Nitrosodimethylamine
 Concen: 2.376 ng
 RT: 2.99 min Scan# 20
 Delta R.T. -0.02 min
 Lab File: BN007979.D
 Acq: 02 Oct 2019 23:17

Instrument :
 BNA_N
 ClientSampled :

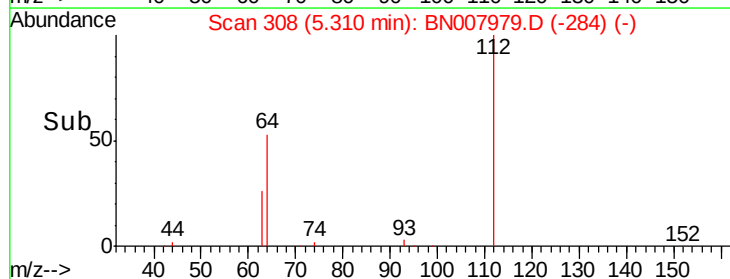
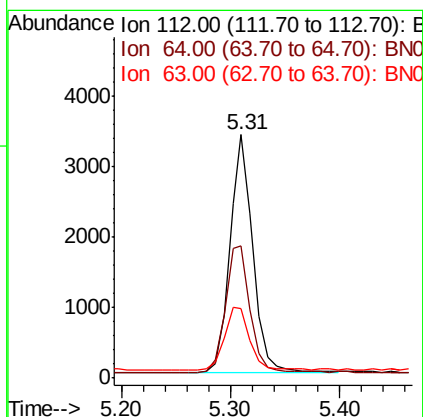
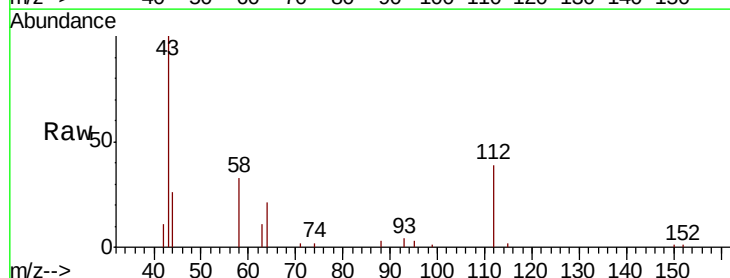
Tot Ion: 42 Resp: 6242
 Ion Ratio Lower Upper
 42 100
 74 131.5 87.9 131.9
 44 31.1 29.4 44.0

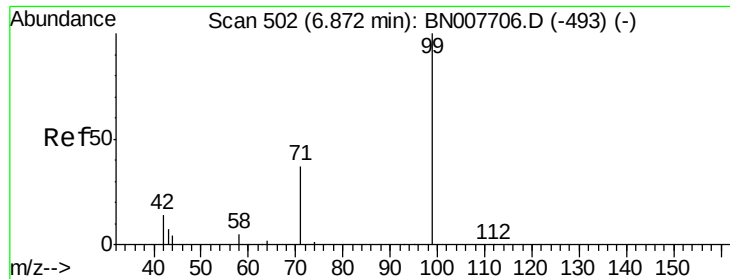


#4

2-Fluorophenol
 Concen: 0.280 ng
 RT: 5.31 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: BN007979.D
 Acq: 02 Oct 2019 23:17

Tgt Ion: 112 Resp: 4955
 Ion Ratio Lower Upper
 112 100
 64 57.7 46.6 70.0
 63 28.7 23.1 34.7





#5

Phenol-d6

Concen: 0.324 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

Instrument :

BNA_N

ClientSampled :

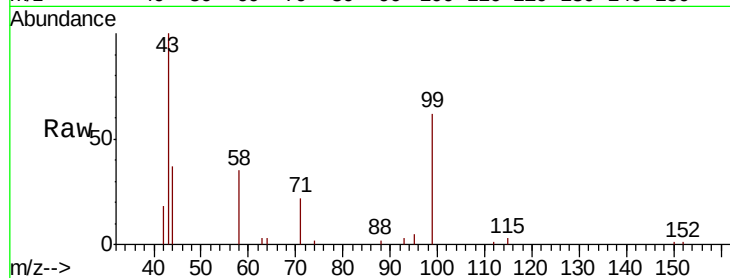
Tot Ion: 99 Resp: 7173

Ion Ratio Lower Upper

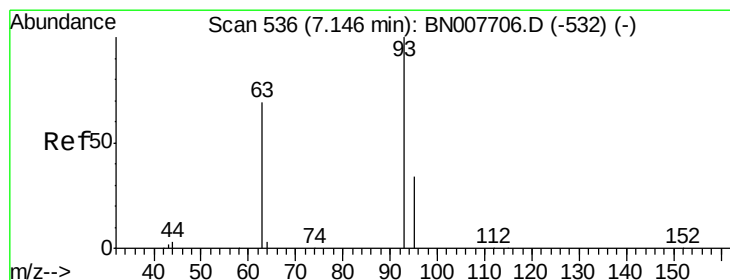
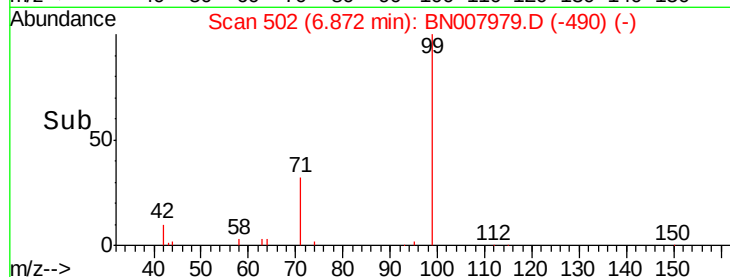
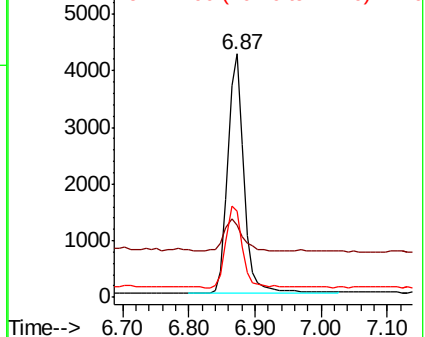
99 100

42 14.5 12.8 19.2

71 34.6 27.6 41.4



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: 0.317 ng

RT: 7.12 min Scan# 533

Delta R.T. -0.02 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

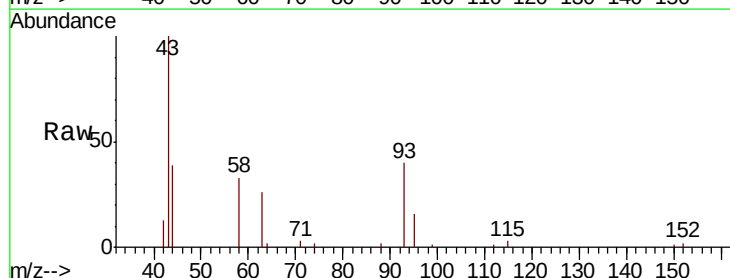
Tgt Ion: 93 Resp: 4619

Ion Ratio Lower Upper

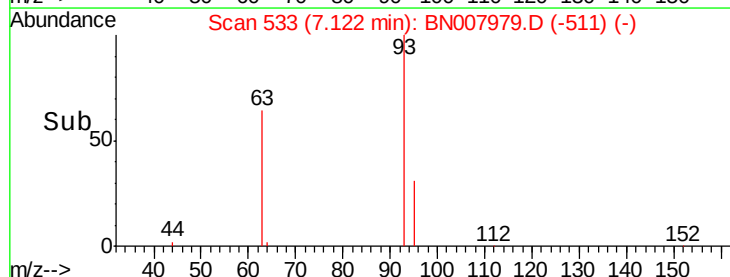
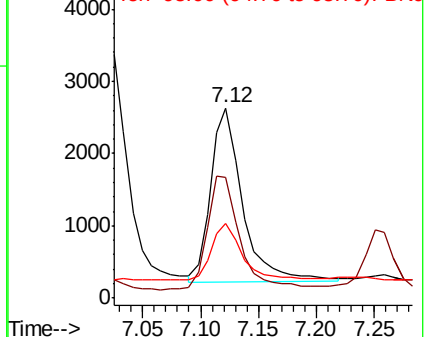
93 100

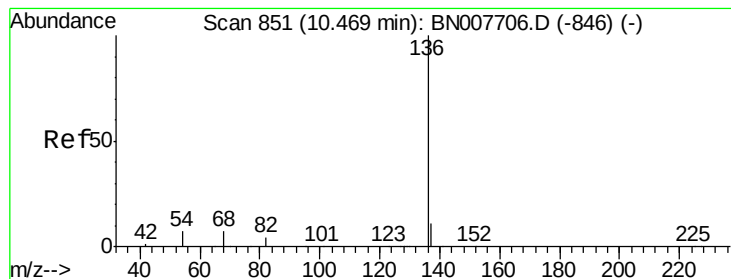
63 66.9 59.3 88.9

95 32.5 31.4 47.0



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: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 21280

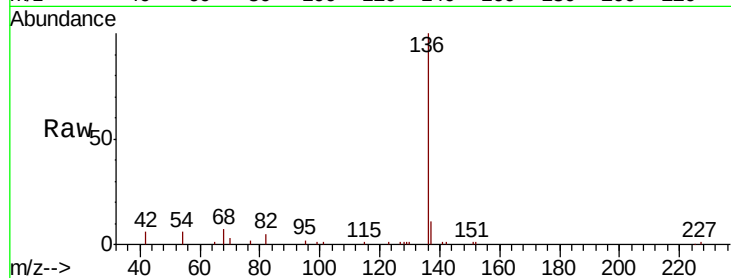
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 6.2 5.8 8.8

68 7.2 6.5 9.7

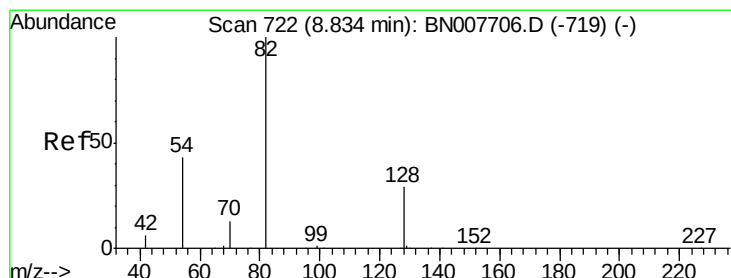
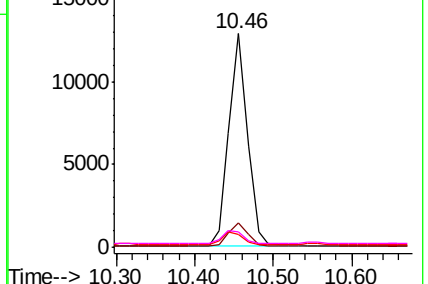
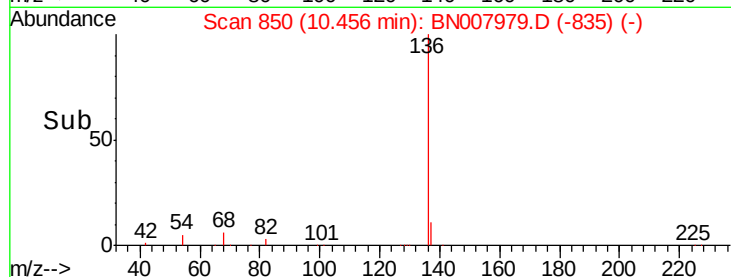


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.284 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

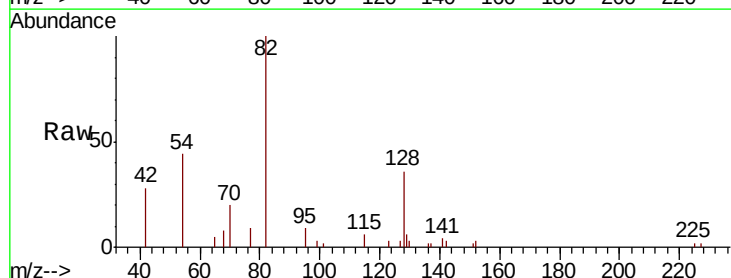
Tgt Ion: 82 Resp: 5280

Ion Ratio Lower Upper

82 100

128 36.2 24.5 36.7

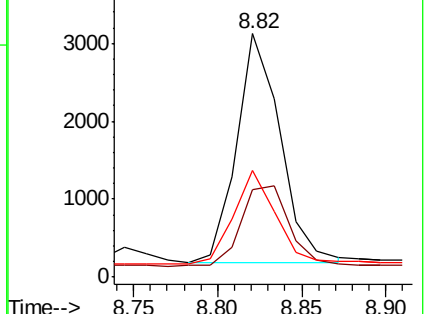
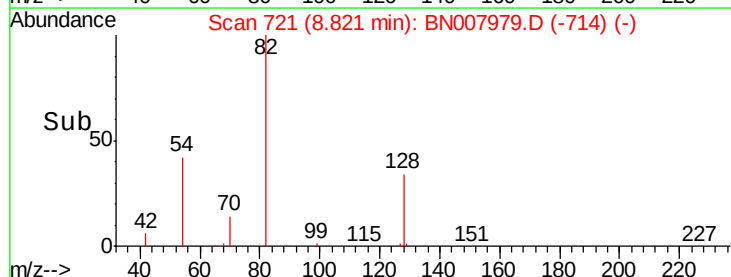
54 43.6 35.2 52.8

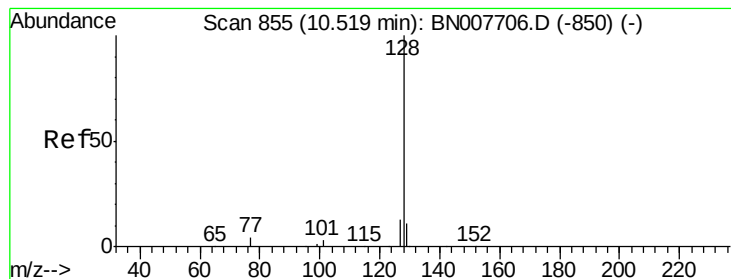


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.298 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

Instrument :

BNA_N

ClientSampleId :

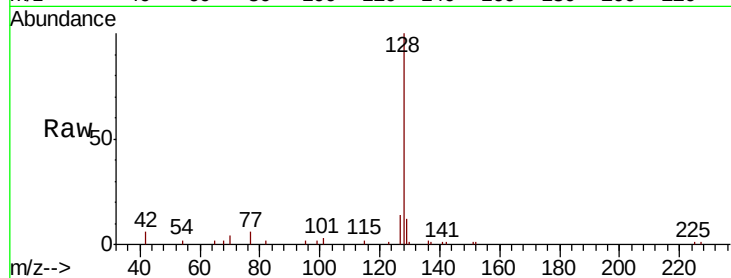
Tot Ion:128 Resp: 17795

Ion Ratio Lower Upper

128 100

129 12.0 9.1 13.7

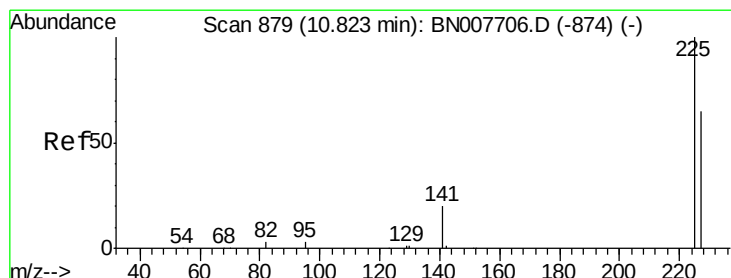
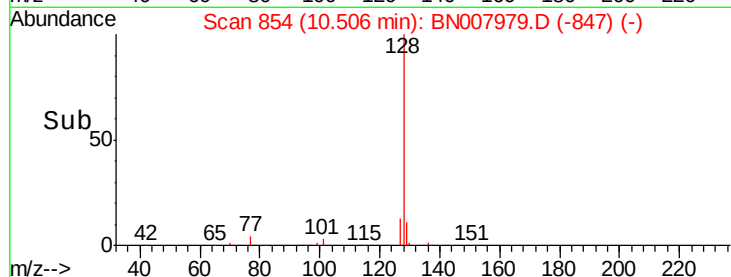
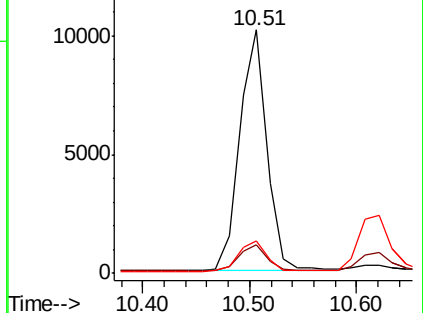
127 13.5 10.6 15.8



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: 0.264 ng

RT: 10.80 min Scan# 877

Delta R.T. -0.03 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

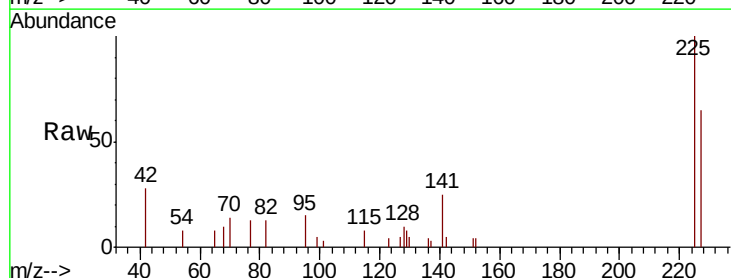
Tgt Ion:225 Resp: 3318

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

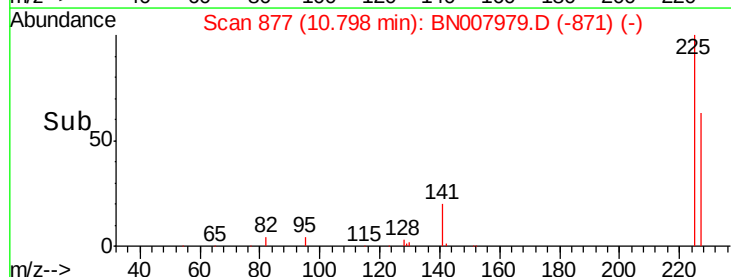
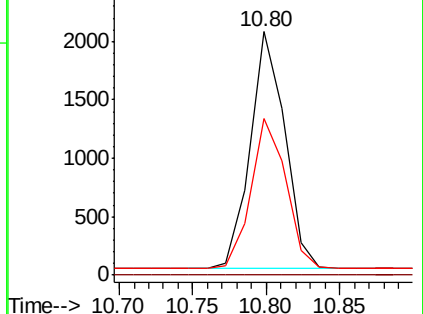
227 64.1 51.2 76.8

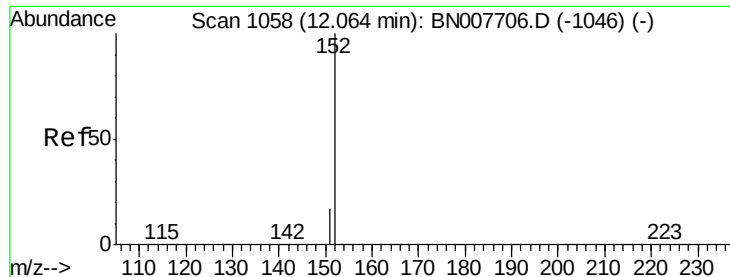


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

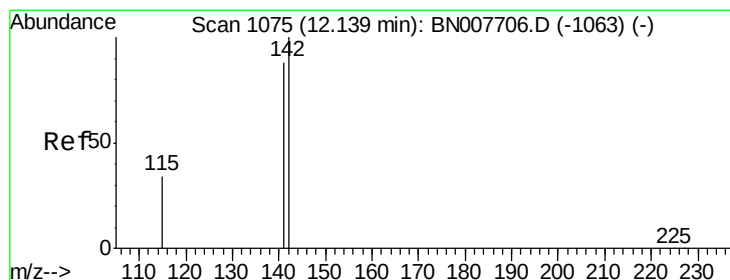
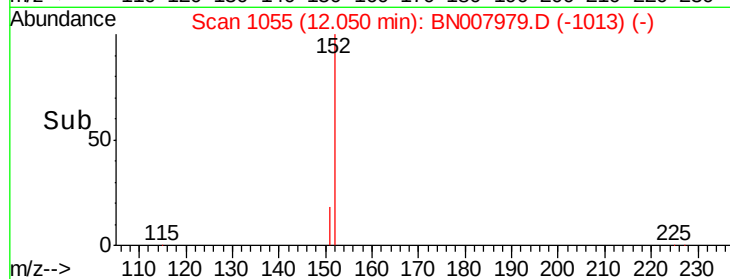
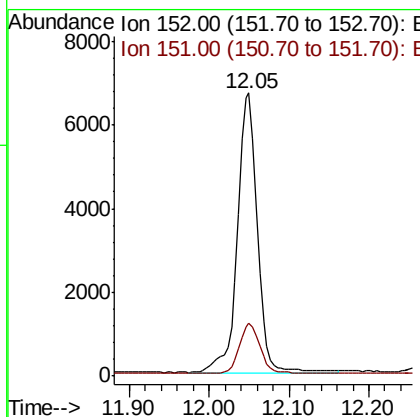
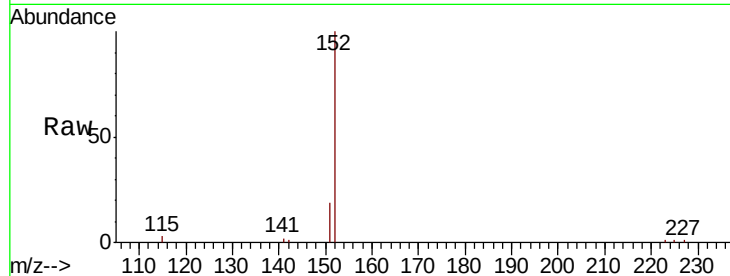




#11
 2-Methylnaphthalene-d10
 Concen: 0.323 ng
 RT: 12.05 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BN007979.D
 Acq: 02 Oct 2019 23:17

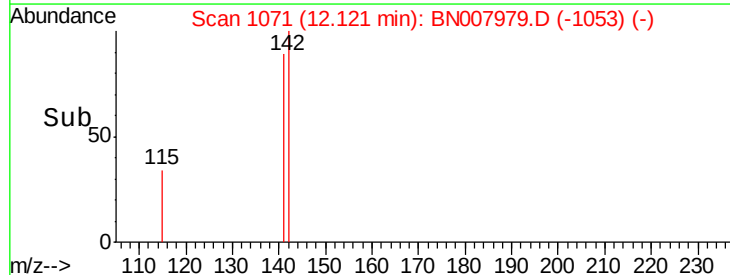
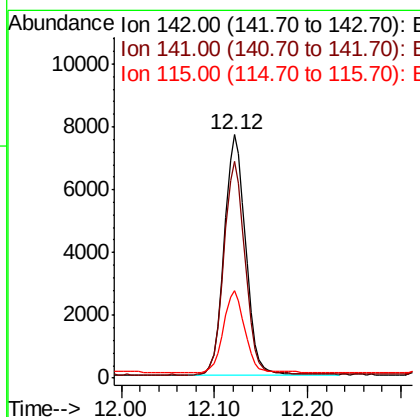
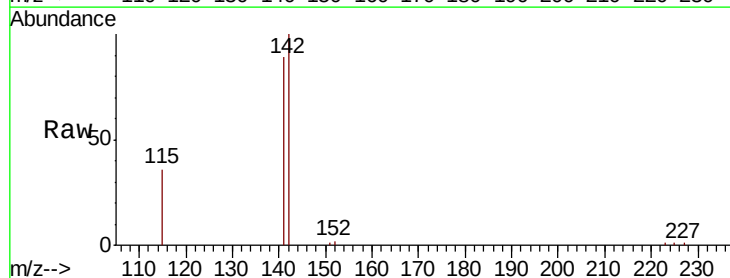
Instrument :
 BNA_N
 ClientSampleId :

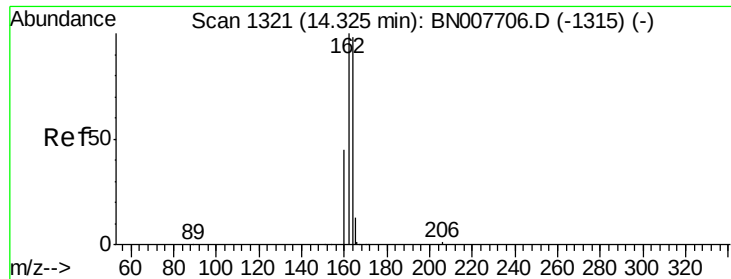
Tot Ion:152 Resp: 11597
 Ion Ratio Lower Upper
 152 100
 151 18.1 15.4 23.2



#12
 2-Methylnaphthalene
 Concen: 0.302 ng
 RT: 12.12 min Scan# 1071
 Delta R.T. -0.02 min
 Lab File: BN007979.D
 Acq: 02 Oct 2019 23:17

Tgt Ion:142 Resp: 12194
 Ion Ratio Lower Upper
 142 100
 141 88.9 70.6 106.0
 115 36.2 28.3 42.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

Instrument :

BNA_N

ClientSampleId :

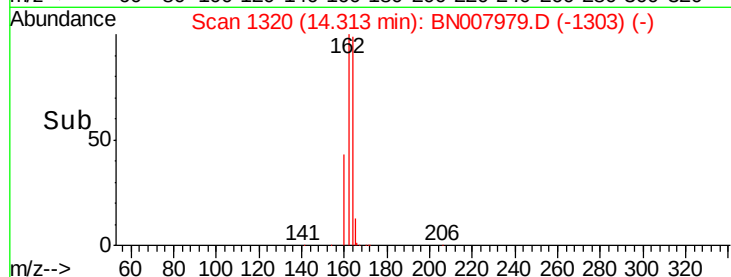
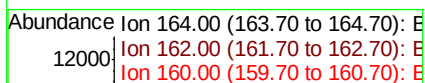
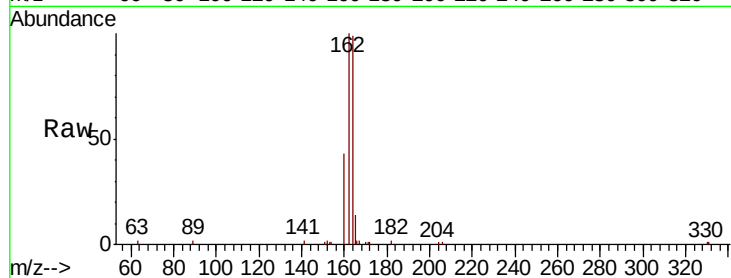
Tot Ion:164 Resp: 13468

Ion Ratio Lower Upper

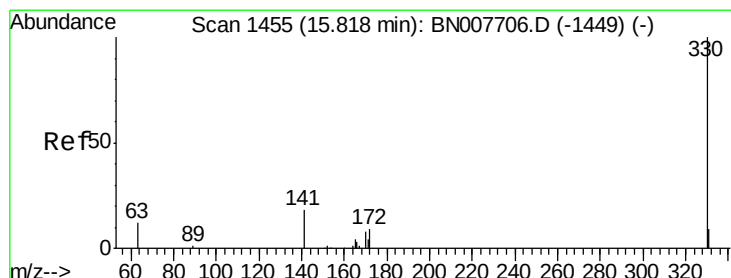
164 100

162 100.7 81.7 122.5

160 43.5 37.0 55.4



Time-->



#14

2,4,6-Tribromophenol

Concen: 0.229 ng

RT: 15.81 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

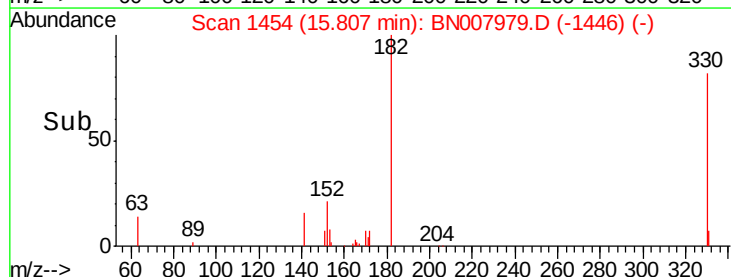
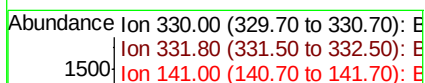
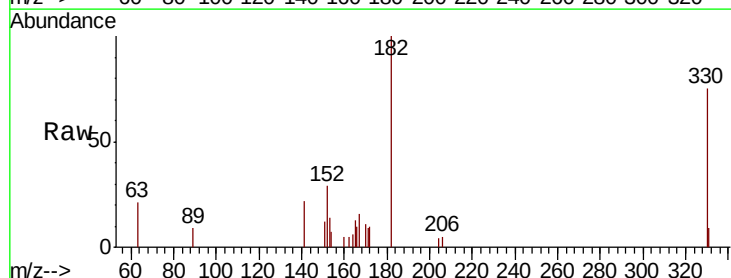
Tgt Ion:330 Resp: 1677

Ion Ratio Lower Upper

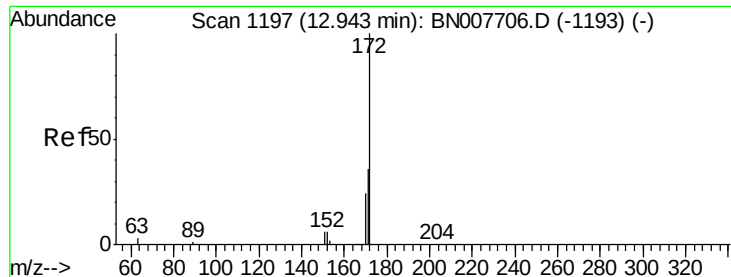
330 100

332 0.0 0.0 0.0

141 33.4 28.7 43.1



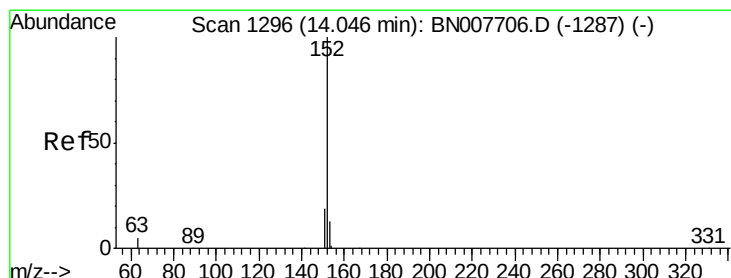
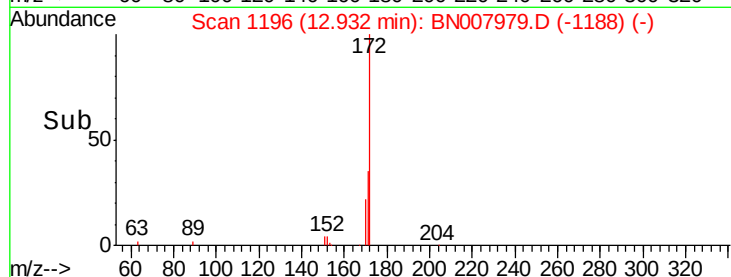
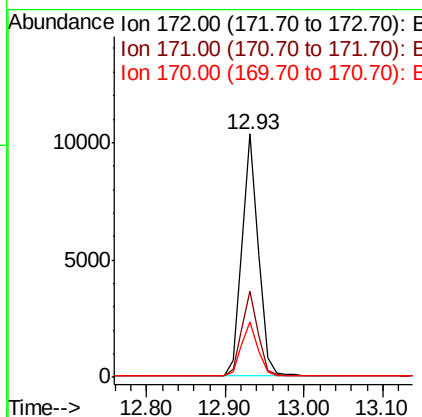
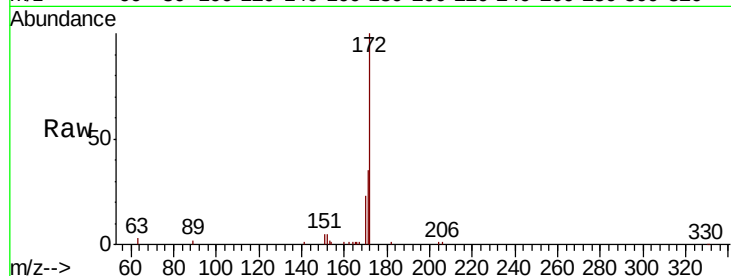
Time-->



#15
2-Fluorobiphenyl
Concen: 0.270 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007979.D
Acq: 02 Oct 2019 23:17

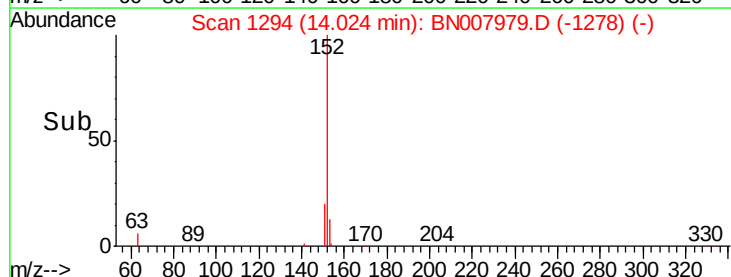
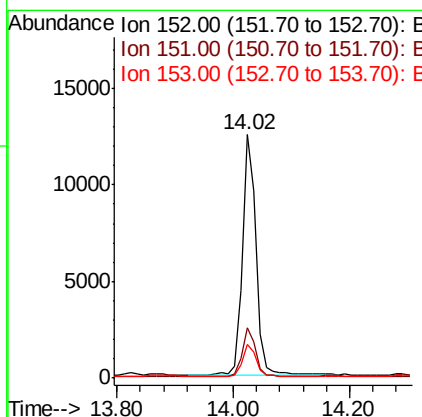
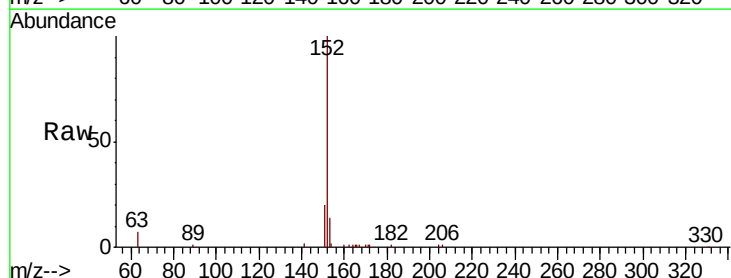
Instrument :
BNA_N
ClientSampleId :

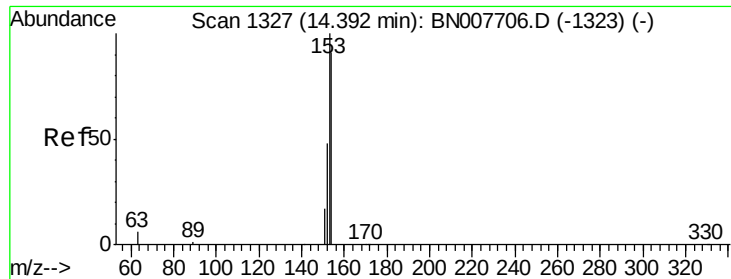
Tot Ion:172 Resp: 14964
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 22.9 19.5 29.3



#16
Acenaphthylene
Concen: 0.283 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN007979.D
Acq: 02 Oct 2019 23:17

Tgt Ion:152 Resp: 20181
Ion Ratio Lower Upper
152 100
151 19.5 15.5 23.3
153 13.1 10.4 15.6





#17

Acenaphthene

Concen: 0.292 ng

RT: 14.37 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

Instrument :

BNA_N

ClientSampleId :

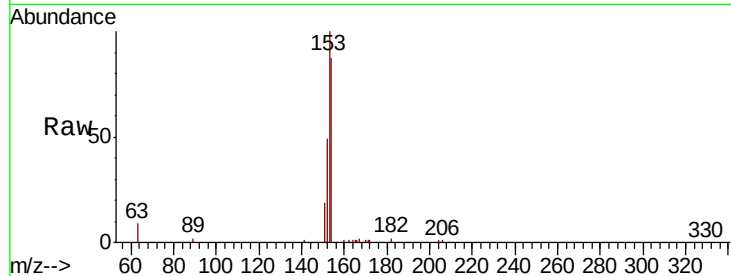
Tot Ion:154 Resp: 13442

Ion Ratio Lower Upper

154 100

153 112.9 87.0 130.4

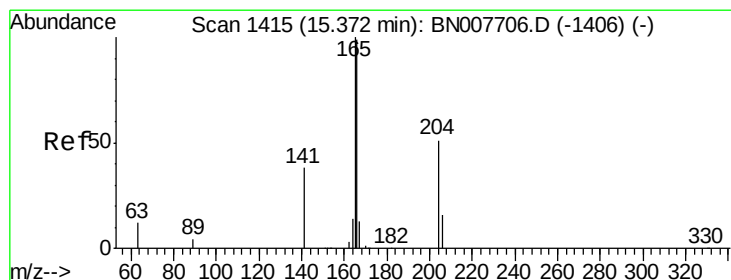
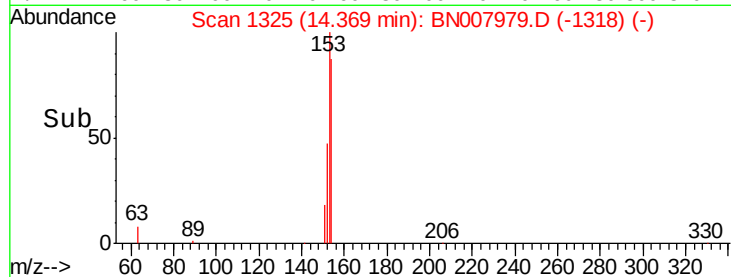
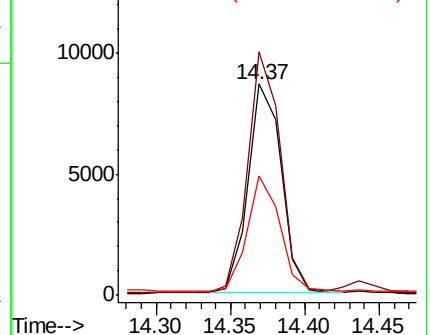
152 54.3 42.7 64.1



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: 0.344 ng

RT: 15.36 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

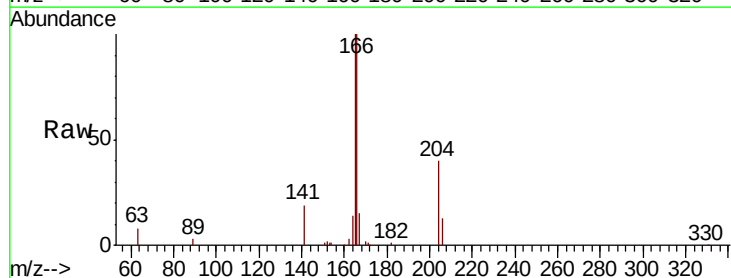
Tgt Ion:166 Resp: 20311

Ion Ratio Lower Upper

166 100

165 98.4 78.0 117.0

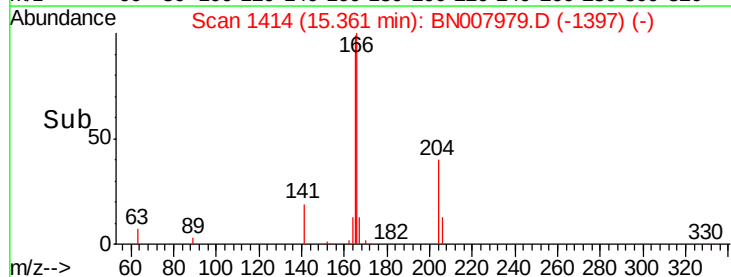
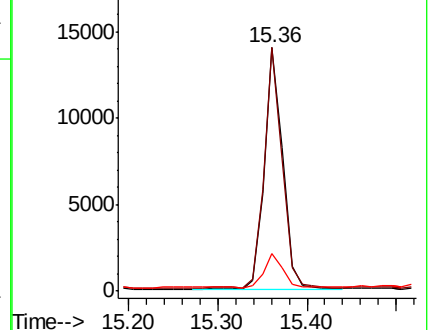
167 14.3 10.9 16.3

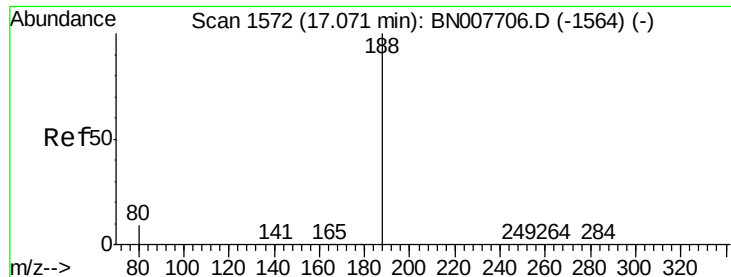


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.06 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

Instrument :

BNA_N

ClientSampled :

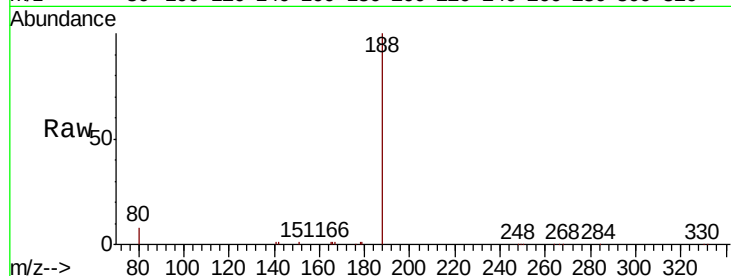
Tot Ion:188 Resp: 29003

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

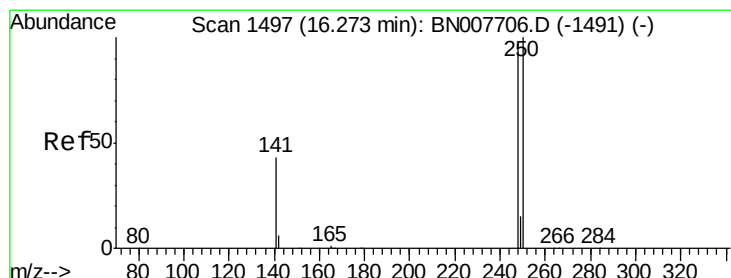
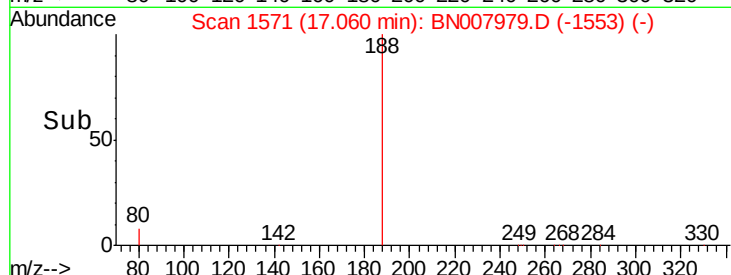
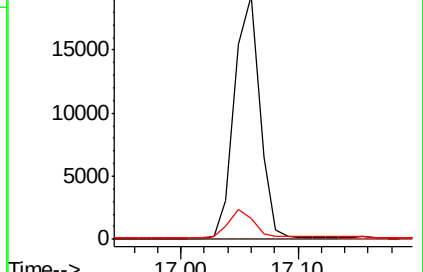
80 8.4 7.4 11.2



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: 0.267 ng

RT: 16.25 min Scan# 1495

Delta R.T. -0.02 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

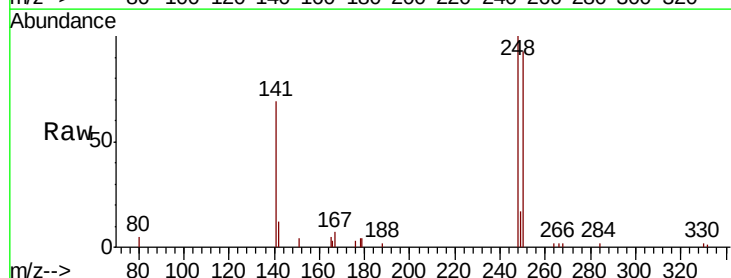
Tgt Ion:248 Resp: 4702

Ion Ratio Lower Upper

248 100

250 93.2 82.2 123.4

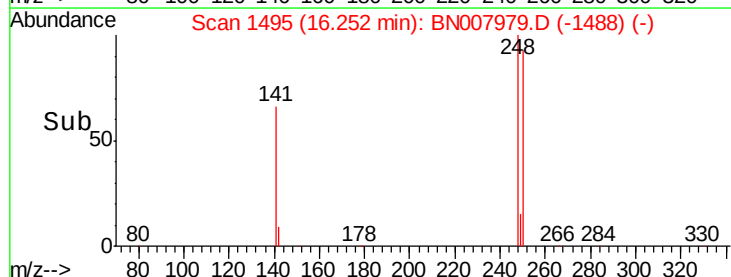
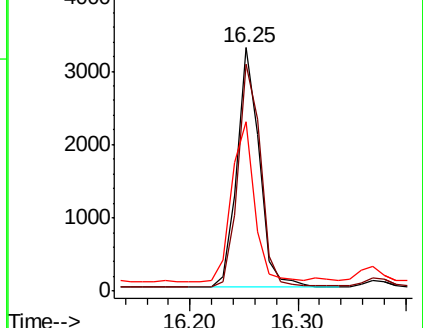
141 69.3 36.3 54.5#

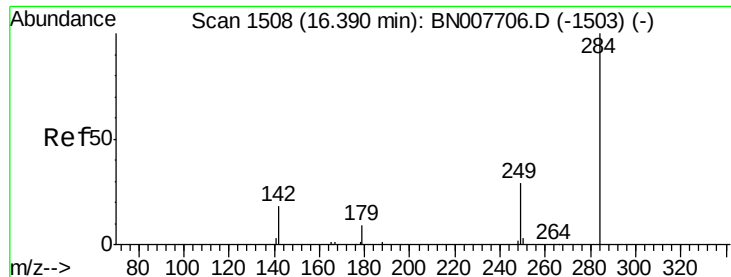


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

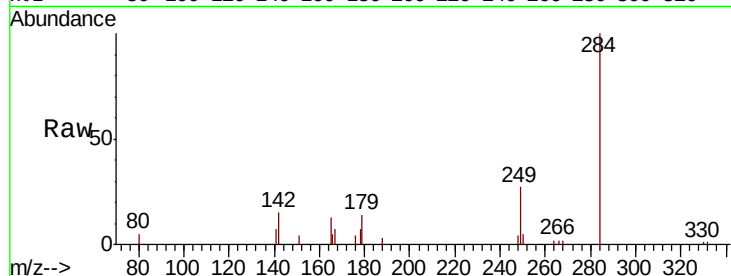




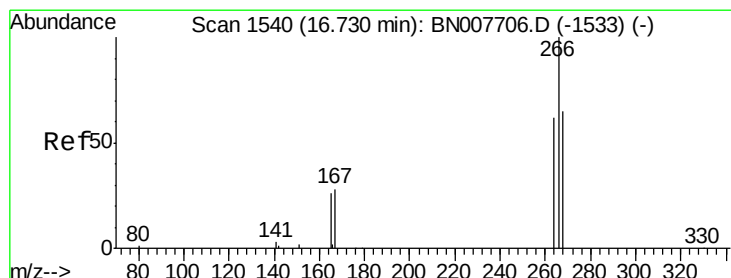
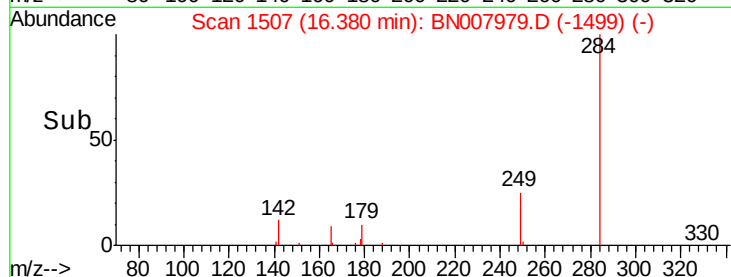
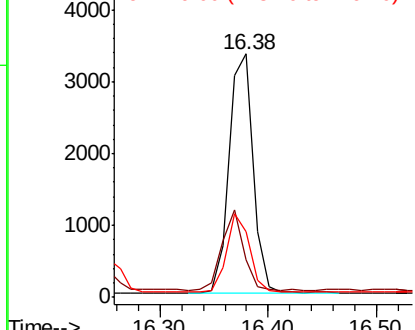
#21
Hexachlorobenzene
Concen: 0.266 ng
RT: 16.38 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BN007979.D
Acq: 02 Oct 2019 23:17

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
284	100		
142	29.7	25.8	38.6
249	31.2	25.9	38.9

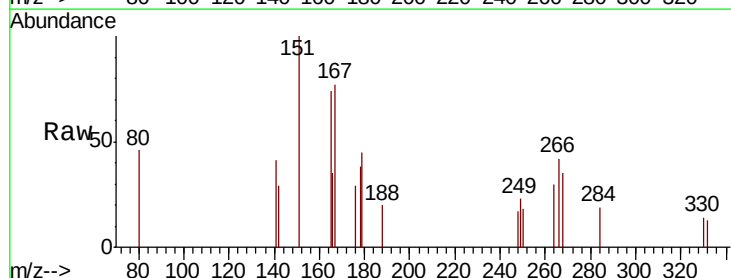


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

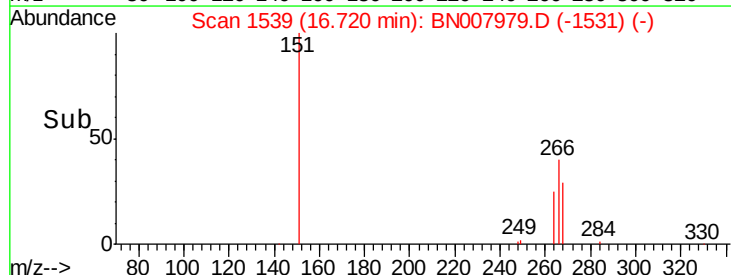
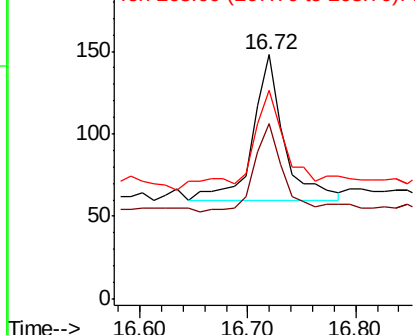


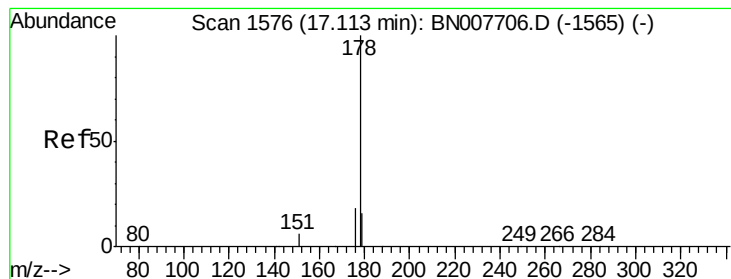
#22
Pentachlorophenol
Concen: 0.025 ng
RT: 16.72 min Scan# 1539
Delta R.T. -0.01 min
Lab File: BN007979.D
Acq: 02 Oct 2019 23:17

Tgt Ion	Ratio	Lower	Upper
266	100		
264	71.6	50.0	75.0
268	85.1	54.2	81.4



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: 1.539 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

Instrument :

BNA_N

ClientSampleId :

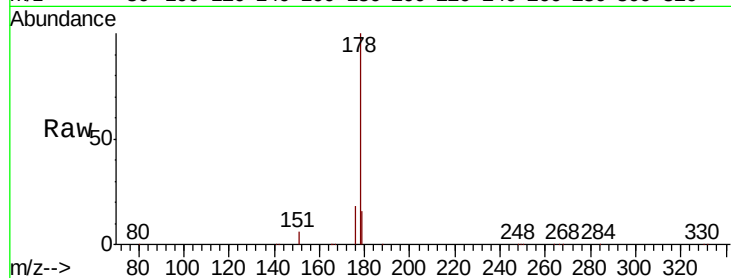
Tot Ion:178 Resp: 139084

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

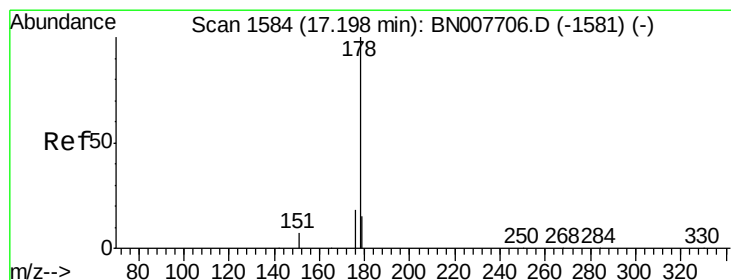
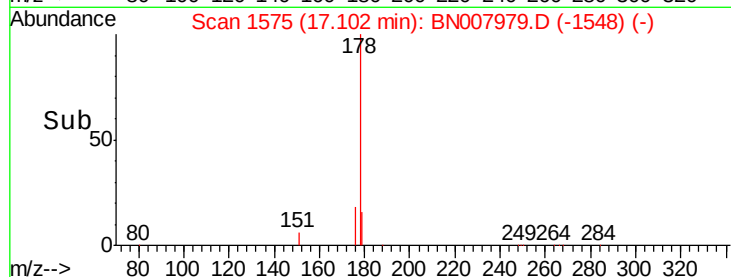
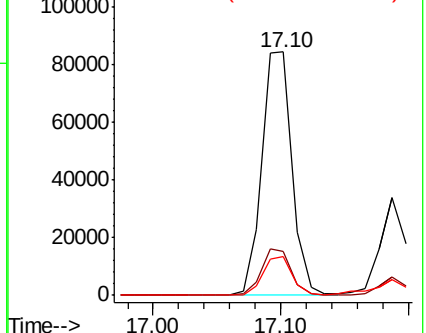
179 15.4 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.557 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

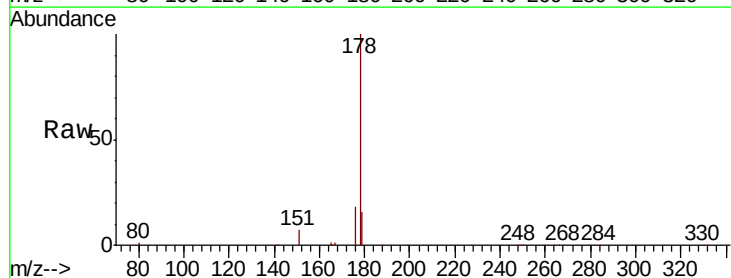
Tgt Ion:178 Resp: 45436

Ion Ratio Lower Upper

178 100

176 18.8 14.6 21.8

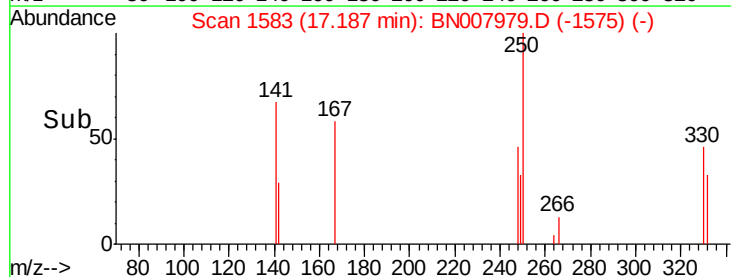
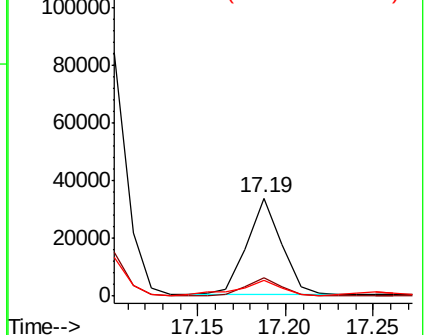
179 18.9 12.2 18.4#

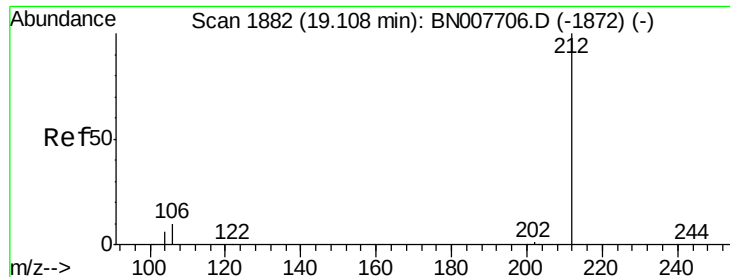


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.307 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

Instrument :

BNA_N

ClientSampleId :

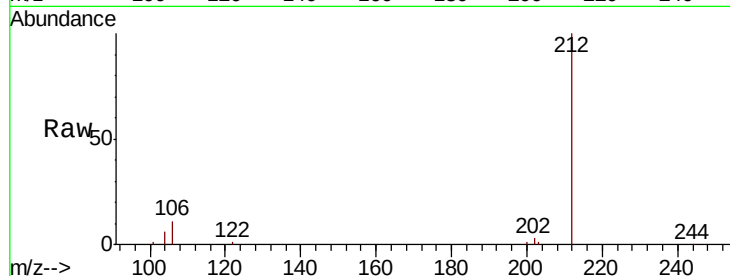
Tot Ion:212 Resp: 30005

Ion Ratio Lower Upper

212 100

106 11.4 9.4 14.0

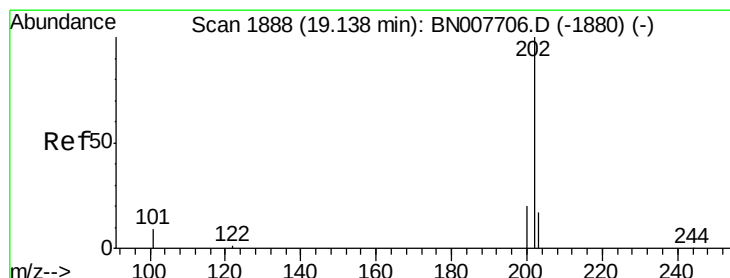
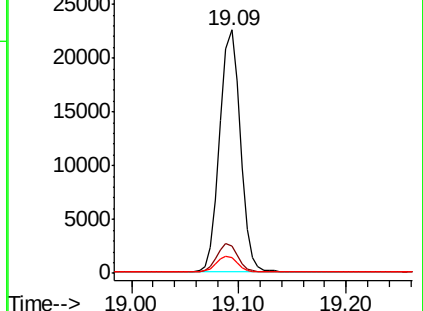
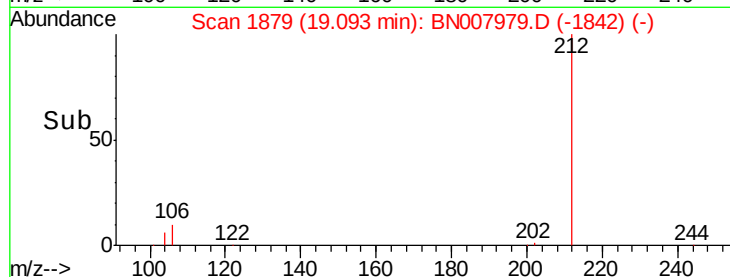
104 6.6 5.3 7.9



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: 1.460 ng

RT: 19.12 min Scan# 1885

Delta R.T. -0.02 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

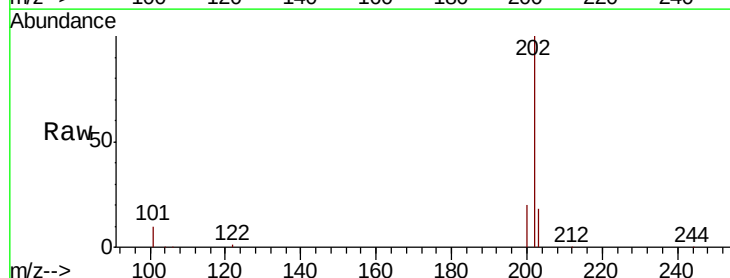
Tgt Ion:202 Resp: 163973

Ion Ratio Lower Upper

202 100

101 10.2 8.4 12.6

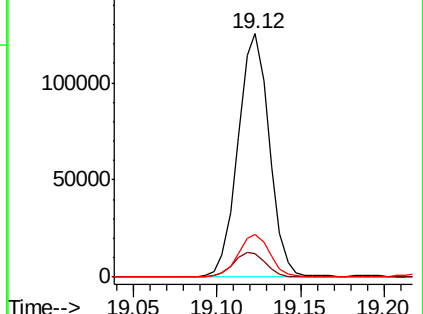
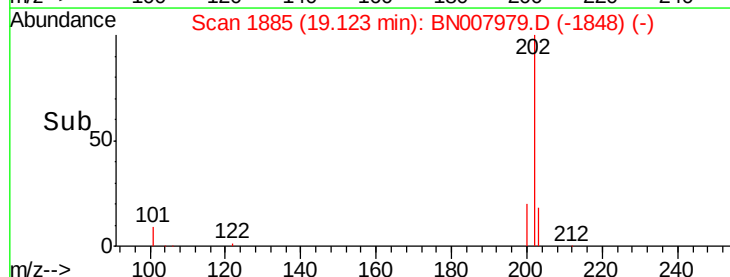
203 17.5 13.8 20.8

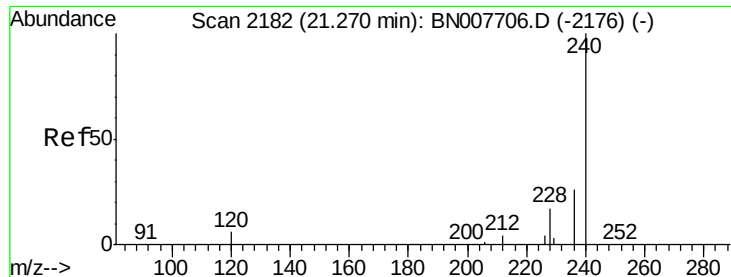


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.25 min Scan# 2180

Delta R.T. -0.02 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

Instrument :

BNA_N

ClientSampleId :

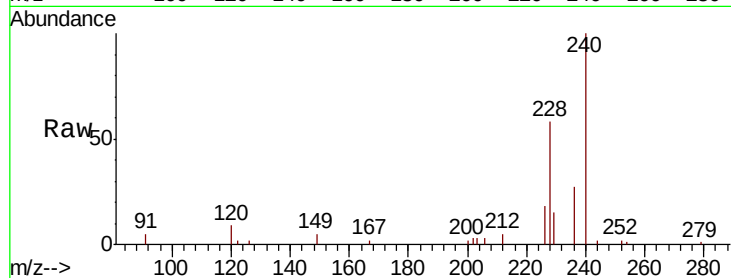
Tot Ion:240 Resp: 32958

Ion Ratio Lower Upper

240 100

120 9.2 5.4 8.2#

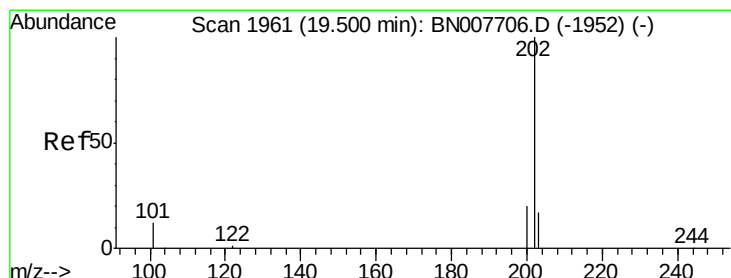
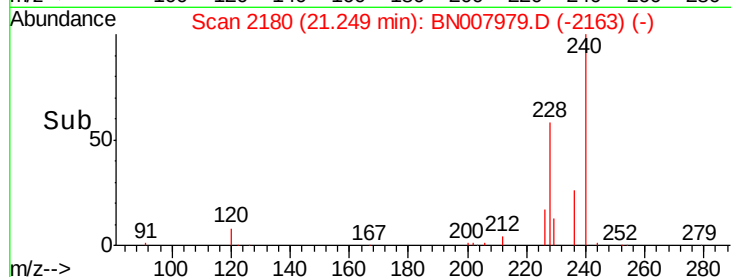
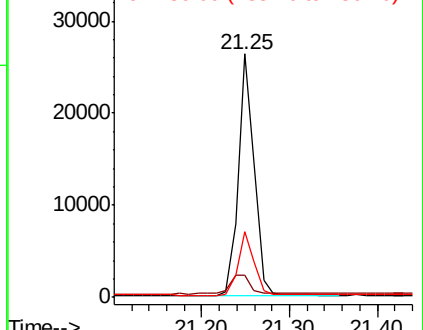
236 27.0 21.0 31.4



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: 1.197 ng

RT: 19.49 min Scan# 1958

Delta R.T. -0.02 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

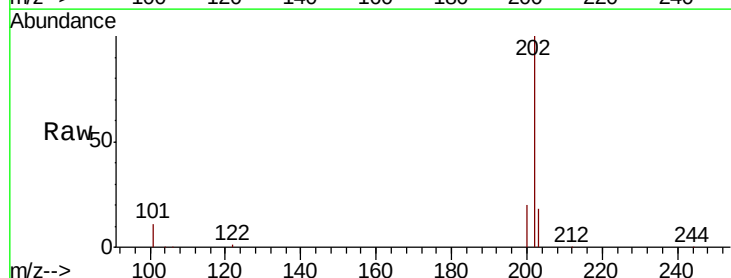
Tgt Ion:202 Resp: 134519

Ion Ratio Lower Upper

202 100

200 20.5 16.4 24.6

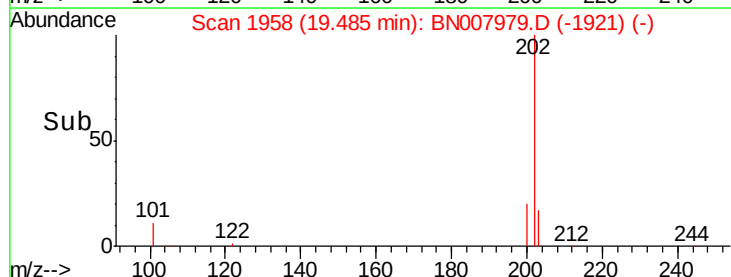
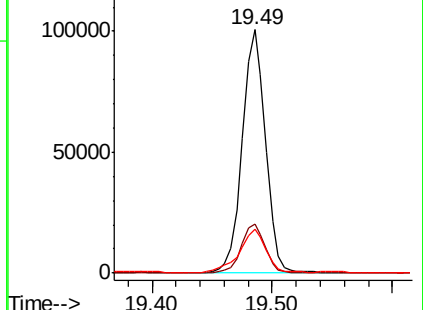
203 20.5 14.1 21.1

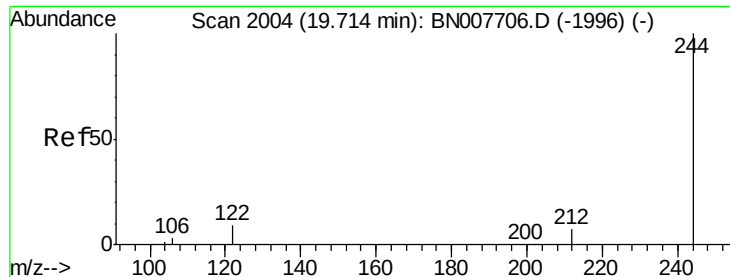


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.337 ng

RT: 19.69 min Scan# 2000

Delta R.T. -0.02 min

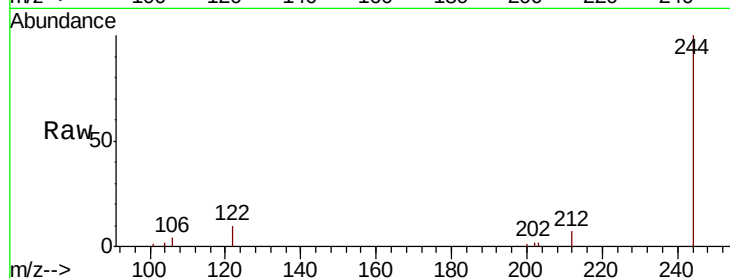
Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

Instrument :

BNA_N

ClientSampleId :



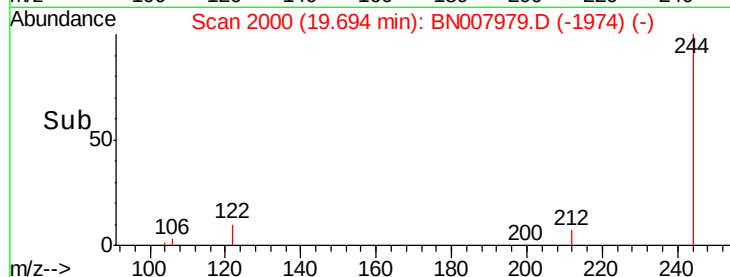
Tot Ion:244 Resp: 27255

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

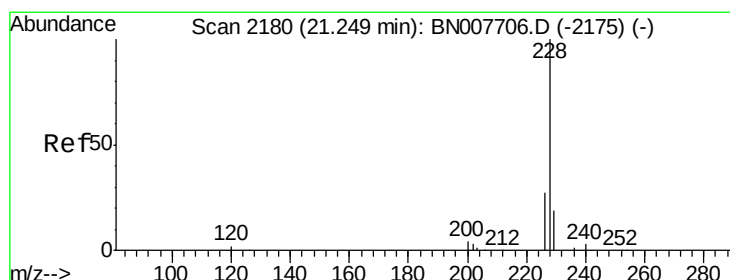
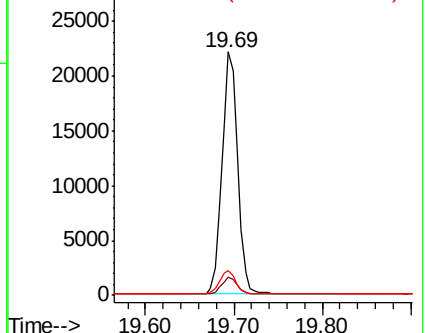
122 10.3 7.4 11.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.781 ng

RT: 21.24 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

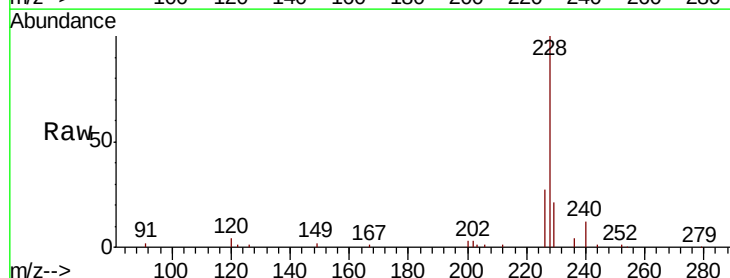
Tgt Ion:228 Resp: 94729

Ion Ratio Lower Upper

228 100

226 26.5 22.1 33.1

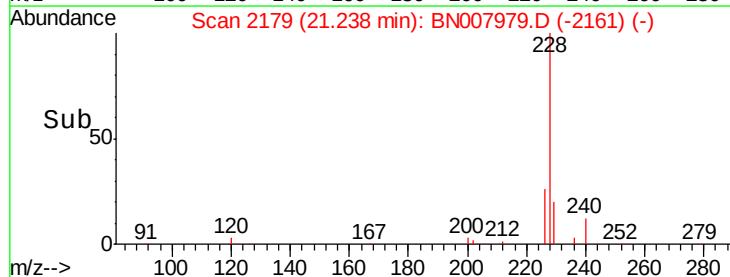
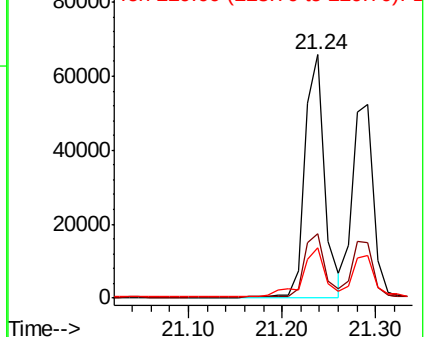
229 20.8 15.8 23.6

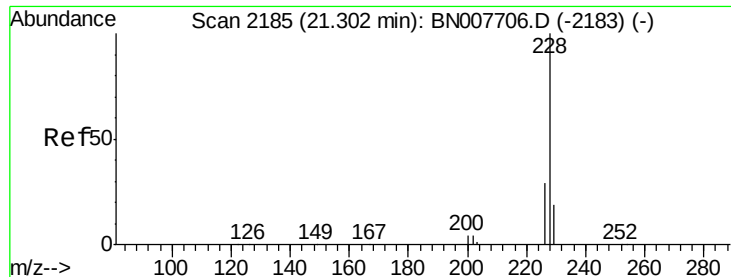


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.684 ng

RT: 21.29 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

Instrument :

BNA_N

ClientSampleId :

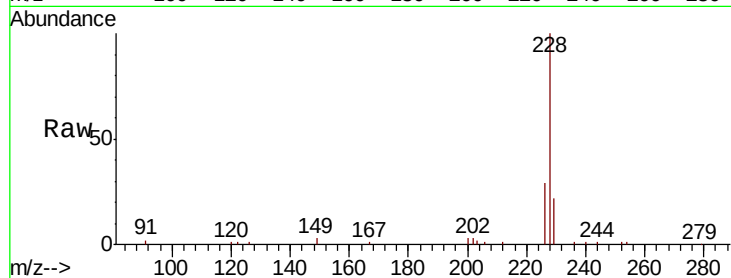
Tot Ion:228 Resp: 80942

Ion Ratio Lower Upper

228 100

226 28.5 23.9 35.9

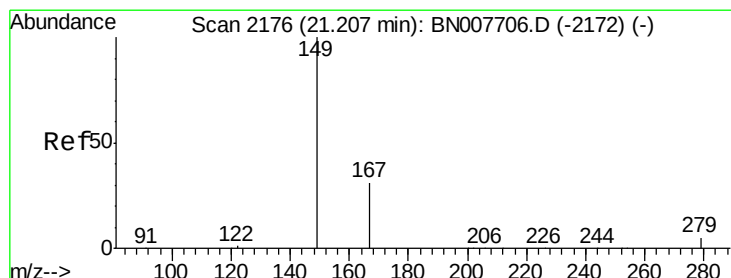
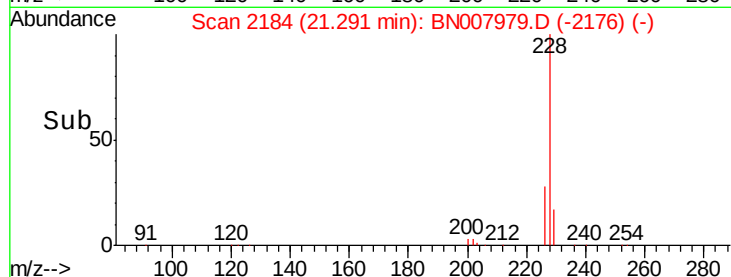
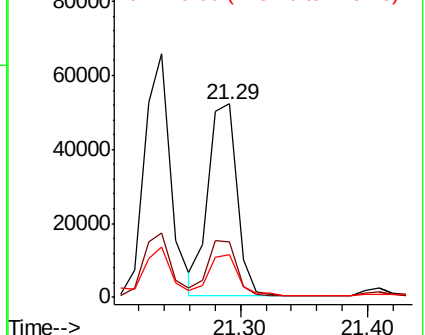
229 22.1 15.8 23.6



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.299 ng

RT: 21.17 min Scan# 2173

Delta R.T. -0.03 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

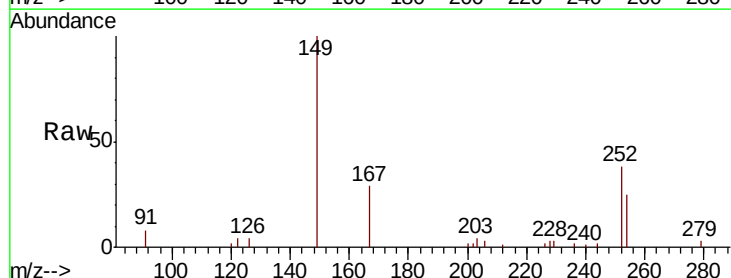
Tgt Ion:149 Resp: 18658

Ion Ratio Lower Upper

149 100

167 30.3 23.7 35.5

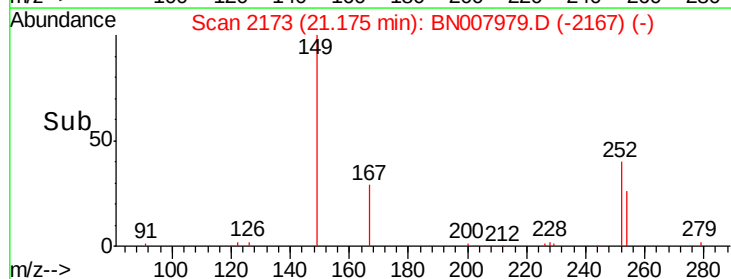
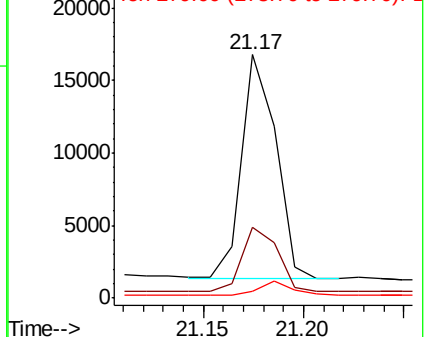
279 5.6 4.2 6.2

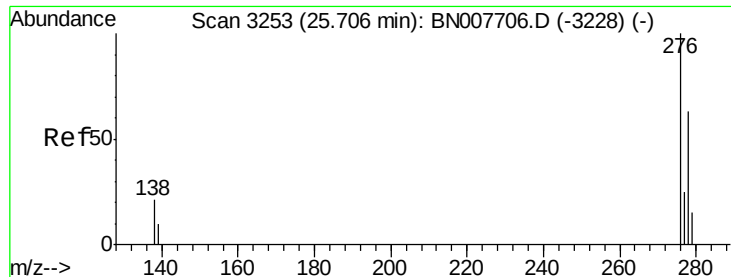


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.387 ng

RT: 25.67 min Scan# 3242

Delta R.T. -0.04 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

Instrument :

BNA_N

ClientSampled :

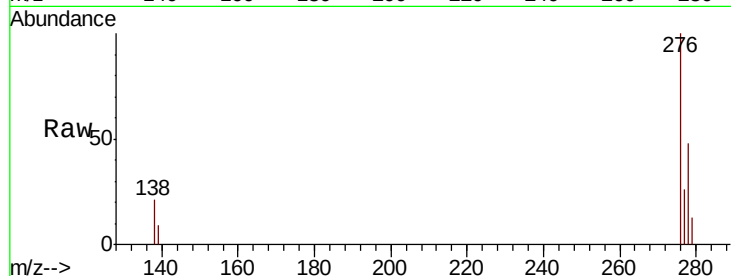
Tot Ion:276 Resp: 57240

Ion Ratio Lower Upper

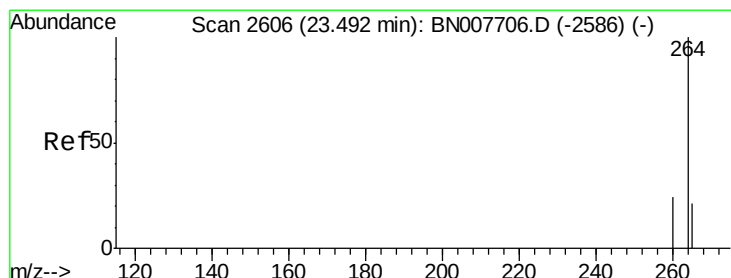
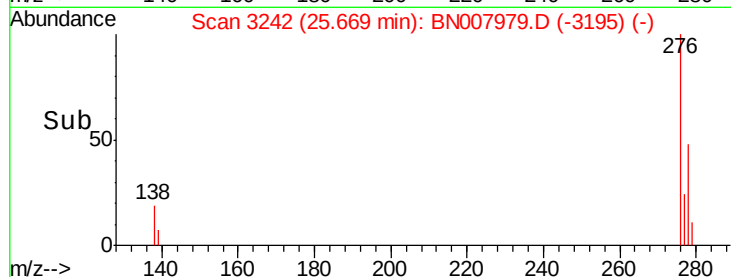
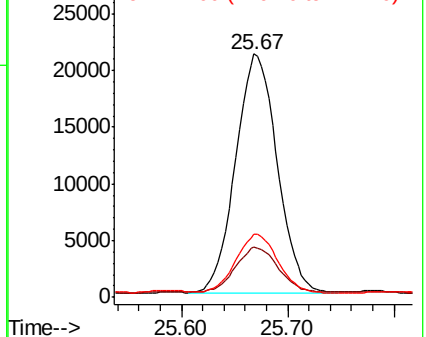
276 100

138 19.0 17.1 25.7

277 24.9 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: 23.46 min Scan# 2598

Delta R.T. -0.03 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

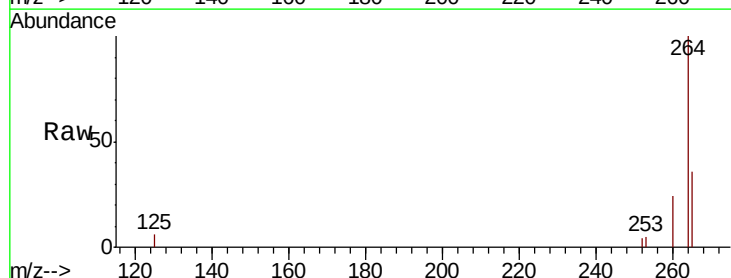
Tgt Ion:264 Resp: 34827

Ion Ratio Lower Upper

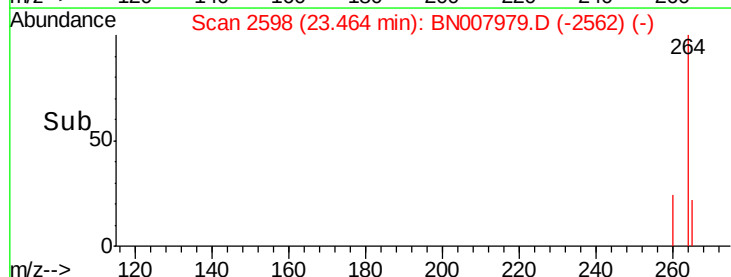
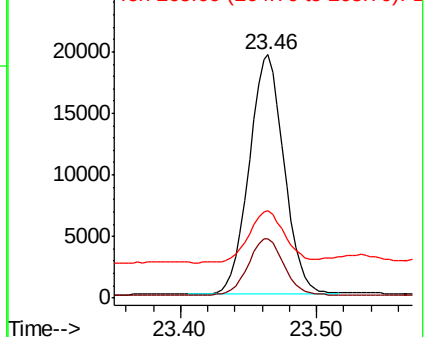
264 100

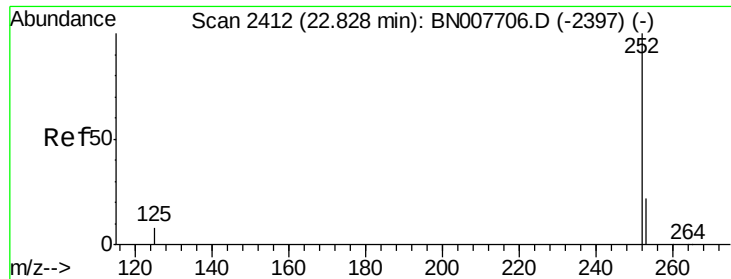
260 24.5 19.3 28.9

265 35.8 26.9 40.3



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: 0.676 ng

RT: 22.80 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

Instrument :

BNA_N

ClientSampleId :

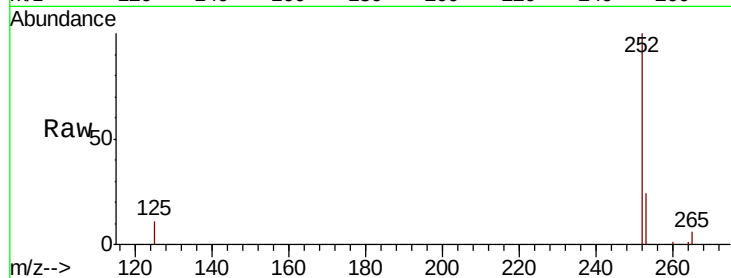
Tot Ion:252 Resp: 81716

Ion Ratio Lower Upper

252 100

253 23.7 18.3 27.5

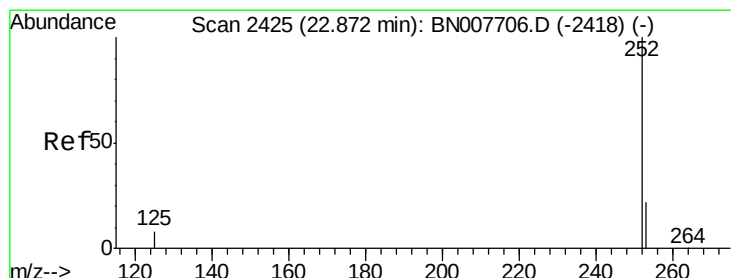
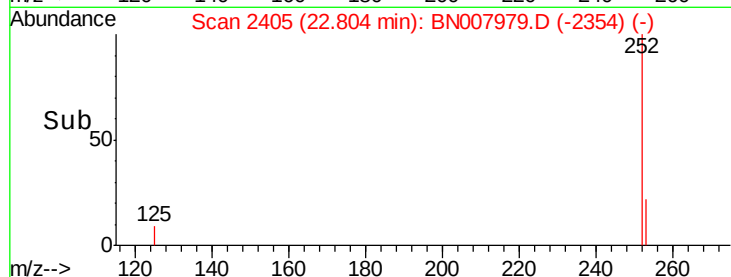
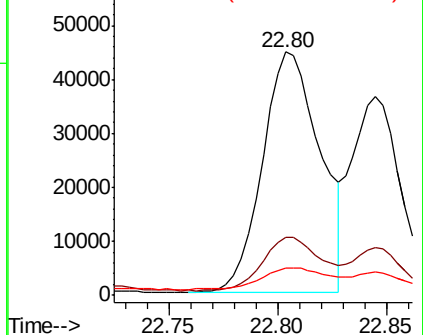
125 11.2 8.2 12.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.473 ng

RT: 22.84 min Scan# 2417

Delta R.T. -0.03 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

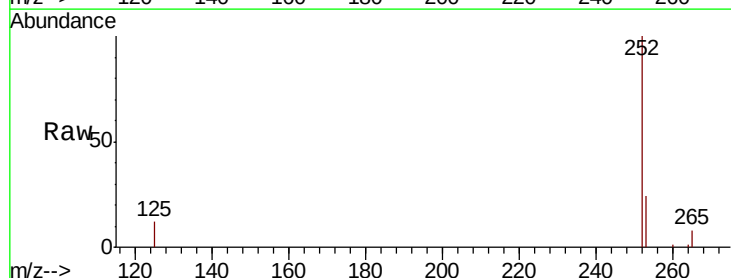
Tgt Ion:252 Resp: 56548

Ion Ratio Lower Upper

252 100

253 24.2 18.5 27.7

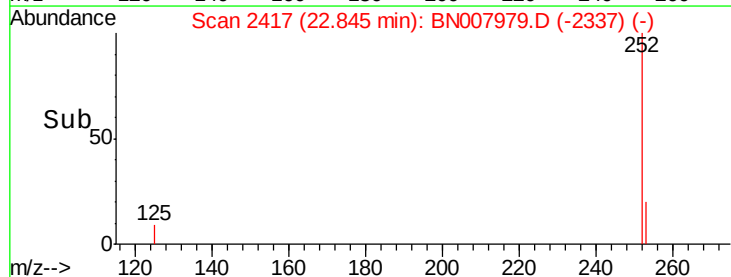
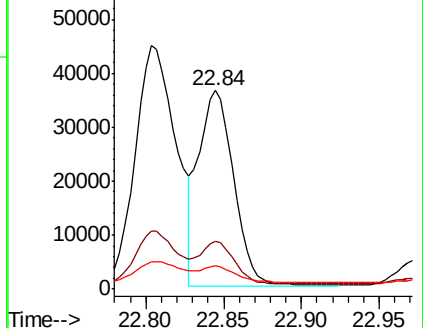
125 11.5 8.4 12.6

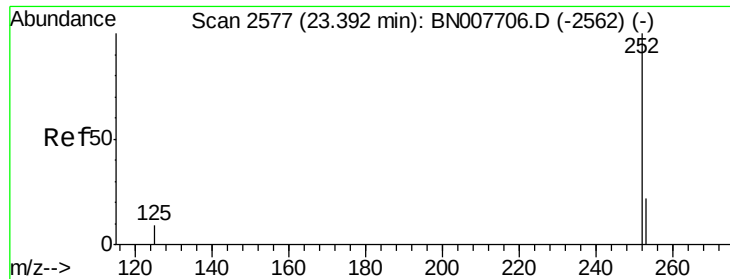


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.607 ng

RT: 23.36 min Scan# 2569

Delta R.T. -0.03 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

Instrument :

BNA_N

ClientSampled :

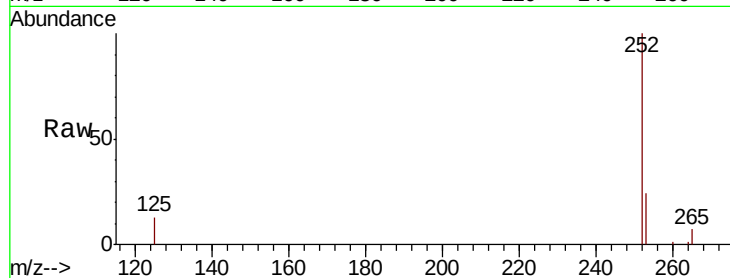
Tot Ion:252 Resp: 68917

Ion Ratio Lower Upper

252 100

253 24.0 18.6 27.8

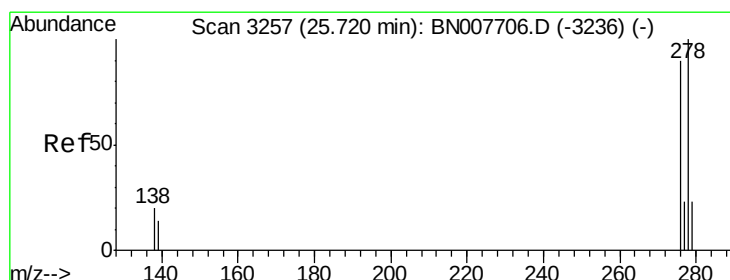
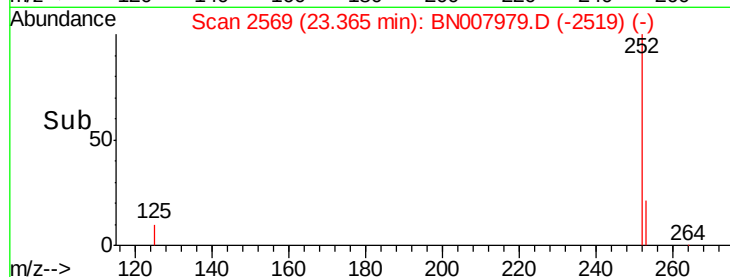
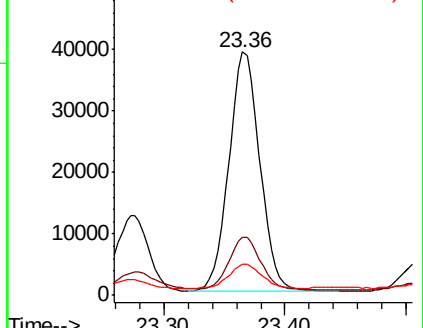
125 12.6 9.4 14.0



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: 0.309 ng

RT: 25.68 min Scan# 3246

Delta R.T. -0.04 min

Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

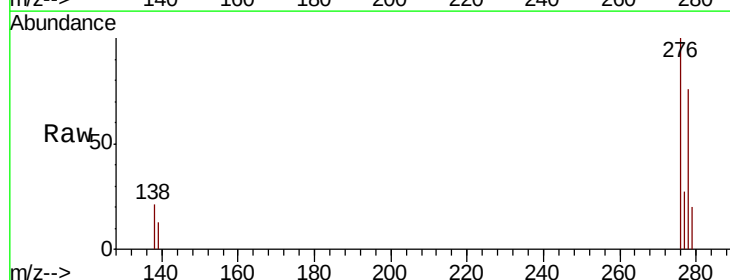
Tgt Ion:278 Resp: 35964

Ion Ratio Lower Upper

278 100

139 16.7 11.8 17.6

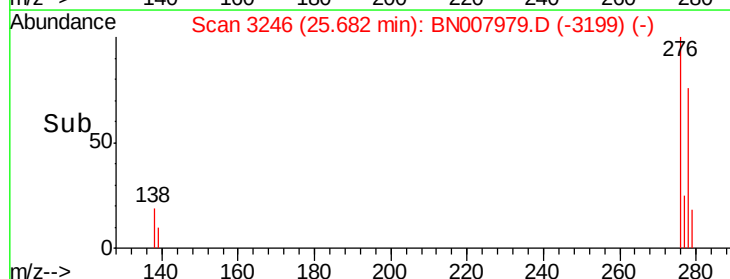
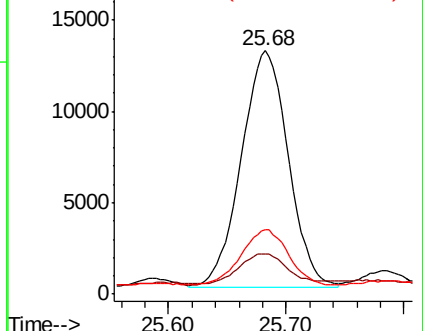
279 26.5 19.4 29.2

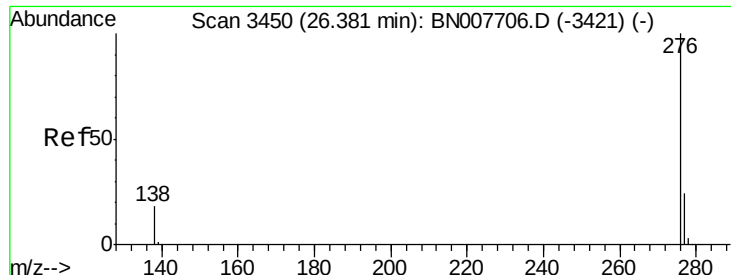


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.423 ng

RT: 26.34 min Scan# 3439

Delta R.T. -0.04 min

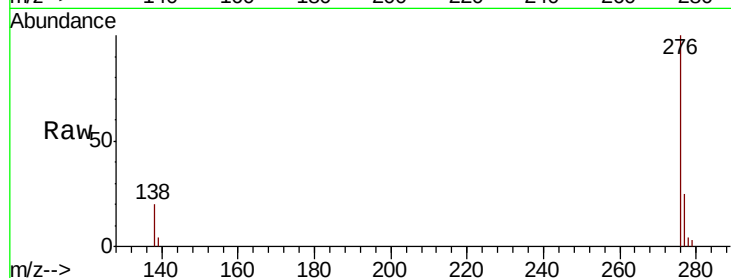
Lab File: BN007979.D

Acq: 02 Oct 2019 23:17

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 48669

Ion Ratio Lower Upper

276 100

277 25.0 19.8 29.8

138 19.6 15.1 22.7

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

