

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091219\
 Data File : BN007610.D
 Acq On : 12 Sep 2019 16:43
 Operator : HP/JU
 Sample : PB122940BSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

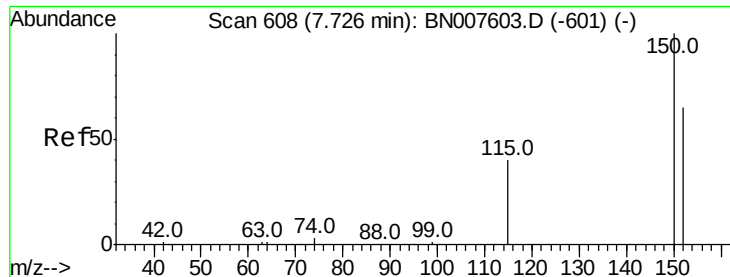
Quant Time: Sep 13 02:16:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:27:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	8368	0.40	ng	-0.02
7) Naphthalene-d8	10.48	136	32082	0.40	ng	-0.01
13) Acenaphthene-d10	14.34	164	18122	0.40	ng	0.00
19) Phenanthrene-d10	17.08	188	37165	0.40	ng	0.00
27) Chrysene-d12	21.28	240	37095	0.40	ng	0.00
34) Perylene-d12	23.50	264	37531	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.33	112	9551	0.36	ng	-0.02
5) Phenol-d6	6.88	99	12233	0.37	ng	-0.02
8) Nitrobenzene-d5	8.85	82	10530	0.41	ng	-0.01
11) 2-Methylnaphthalene-d10	12.08	152	22870	0.42	ng	0.00
14) 2,4,6-Tribromophenol	15.83	330	2241	0.33	ng	0.00
15) 2-Fluorobiphenyl	12.97	172	31540	0.40	ng	0.00
25) Fluoranthene-d10	19.12	212	49912	0.43	ng	0.00
29) Terphenyl-d14	19.72	244	41517	0.42	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	4031	0.402	ng	99
3) n-Nitrosodimethylamine	3.03	42	2971	0.653	ng	# 1
6) bis(2-Chloroethyl)ether	7.15	93	9649	0.393	ng	97
9) Naphthalene	10.53	128	39045	0.425	ng	99
10) Hexachlorobutadiene	10.84	225	7825	0.422	ng	# 100
12) 2-Methylnaphthalene	12.15	142	26030	0.421	ng	98
16) Acenaphthylene	14.06	152	35131	0.373	ng	100
17) Acenaphthene	14.40	154	24124	0.392	ng	99
18) Fluorene	15.38	166	30211	0.389	ng	99
20) 4-Bromophenyl-phenylether	16.28	248	9848	0.429	ng	92
21) Hexachlorobenzene	16.40	284	10634	0.433	ng	99
22) Pentachlorophenol	16.73	266	2343	0.367	ng	97
23) Phenanthrene	17.12	178	50058	0.427	ng	100
24) Anthracene	17.21	178	42560	0.409	ng	100
26) Fluoranthene	19.14	202	57957	0.423	ng	100
28) Pyrene	19.51	202	57804	0.429	ng	100
30) Benzo(a)anthracene	21.26	228	54416	0.413	ng	100
31) Chrysene	21.31	228	57594	0.421	ng	100
32) Bis(2-ethylhexyl)phthalate	21.22	149	16364	0.367	ng	99
33) Indeno(1,2,3-cd)pyrene	25.72	276	62036	0.424	ng	100
35) Benzo(b)fluoranthene	22.84	252	53741	0.394	ng	99
36) Benzo(k)fluoranthene	22.88	252	57447	0.412	ng	99
37) Benzo(a)pyrene	23.40	252	47051	0.389	ng	98
38) Dibenzo(a,h)anthracene	25.74	278	51559	0.407	ng	99
39) Benzo(g,h,i)perylene	26.40	276	50416	0.402	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.71 min Scan# 606

Delta R.T. -0.02 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

Instrument :

BNA_N

ClientSampled :

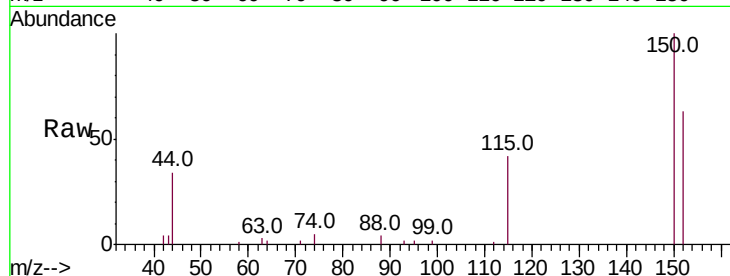
Tot Ion:152 Resp: 8368

Ion Ratio Lower Upper

152 100

150 159.9 122.4 183.6

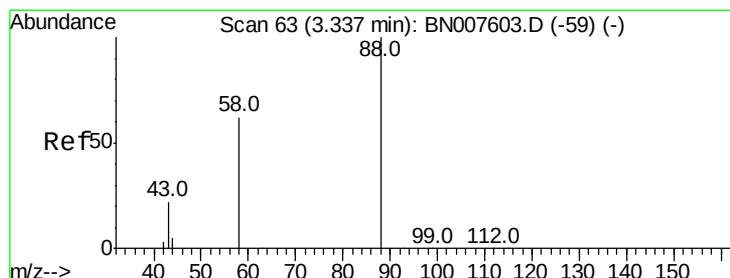
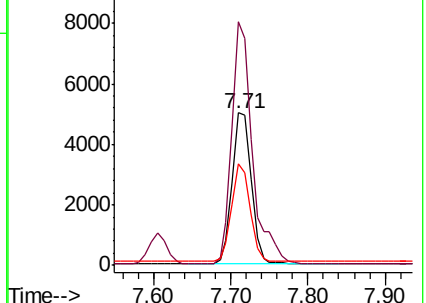
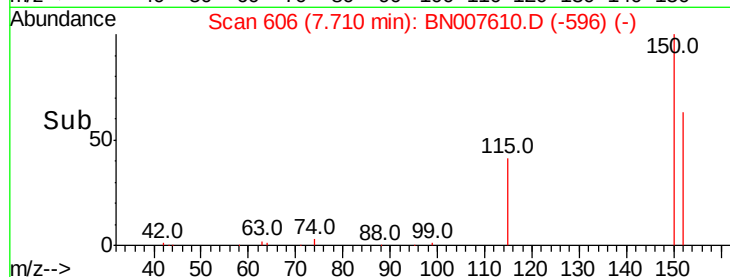
115 67.0 50.4 75.6



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: 0.402 ng

RT: 3.32 min Scan# 61

Delta R.T. -0.02 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

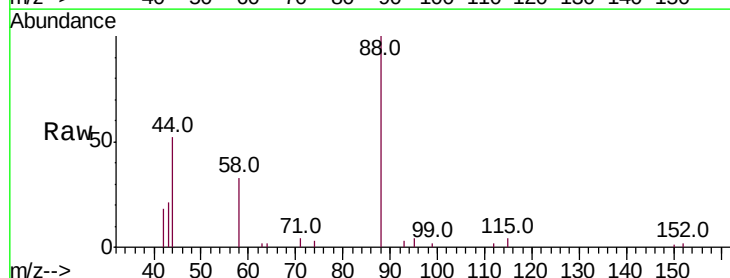
Tgt Ion: 88 Resp: 4031

Ion Ratio Lower Upper

88 100

58 71.7 57.0 85.4

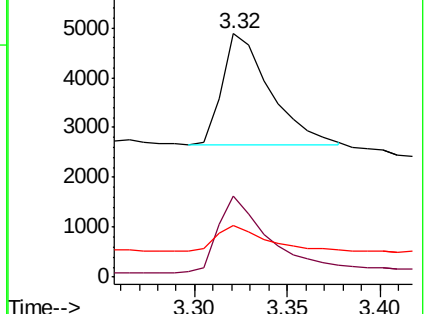
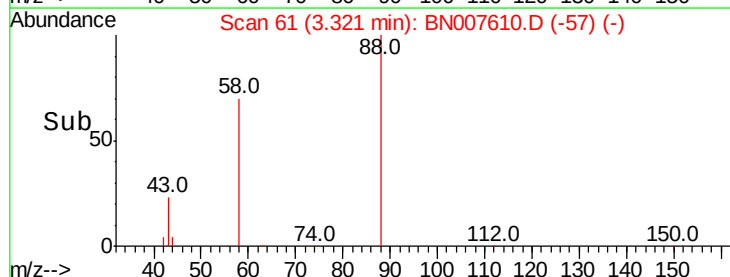
43 24.0 20.0 30.0

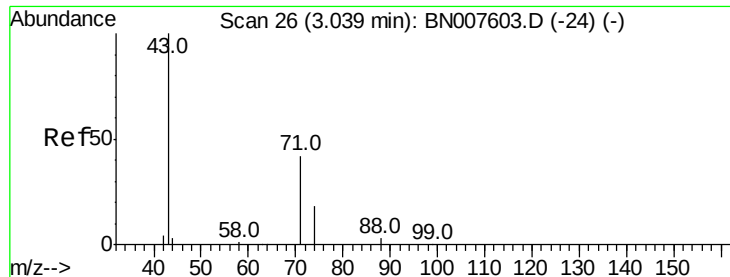


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.653 ng

RT: 3.03 min Scan# 25

Delta R.T. -0.01 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

Instrument :

BNA_N

ClientSampled :

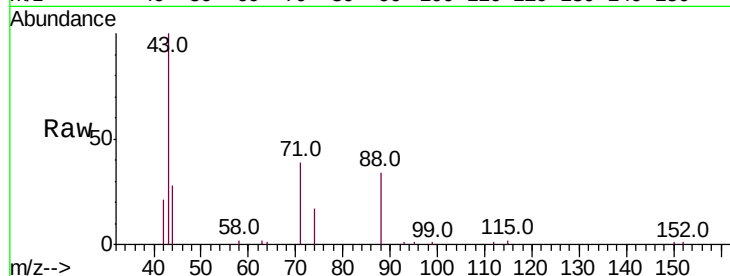
Tot Ion: 42 Resp: 2971

Ion Ratio Lower Upper

42 100

74 101.1 9.8 14.8#

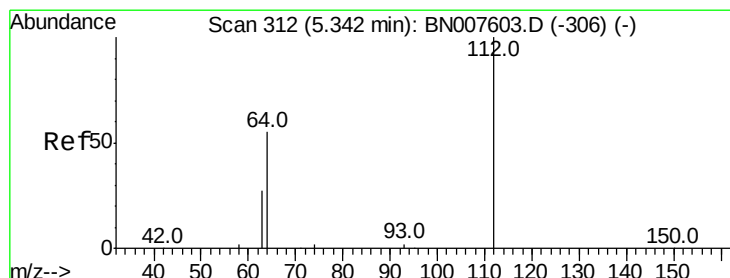
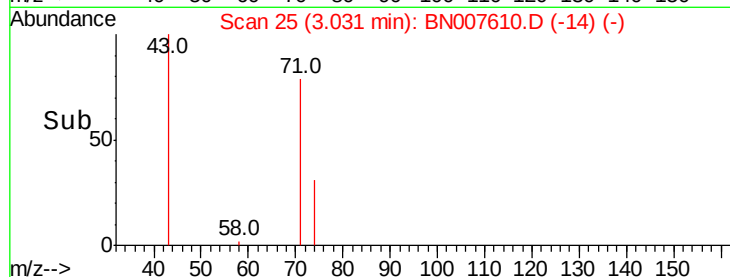
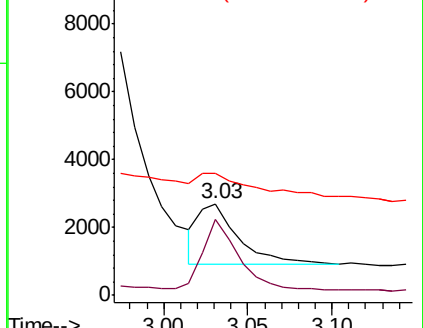
44 50.3 0.0 0.0#



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: 0.356 ng

RT: 5.33 min Scan# 310

Delta R.T. -0.02 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

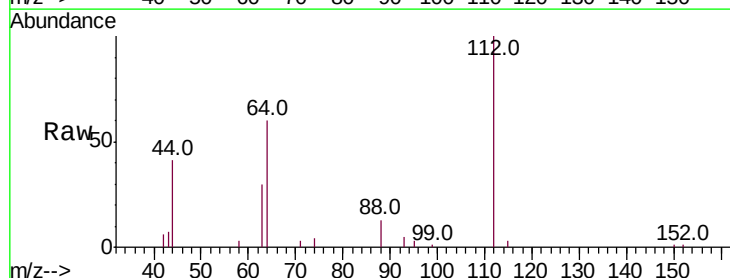
Tgt Ion: 112 Resp: 9551

Ion Ratio Lower Upper

112 100

64 60.0 48.5 72.7

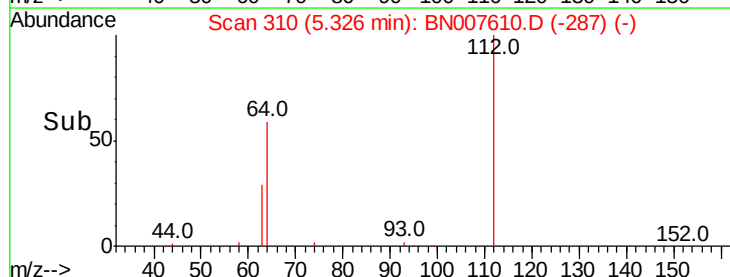
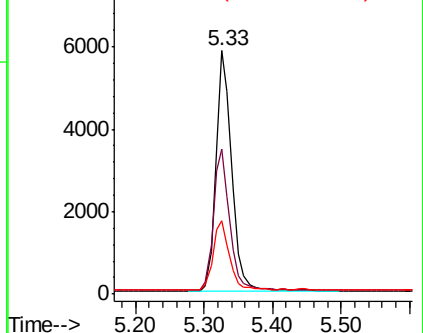
63 29.5 24.4 36.6

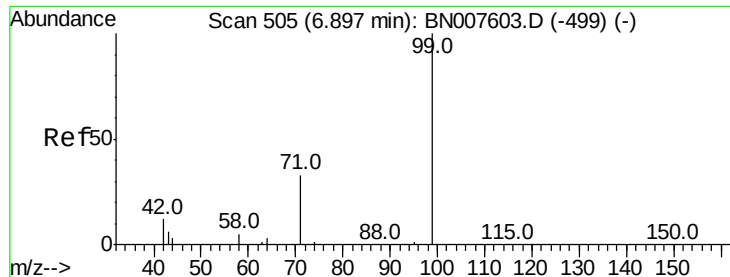


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.375 ng

RT: 6.88 min Scan# 503

Delta R.T. -0.02 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

Instrument :

BNA_N

ClientSampled :

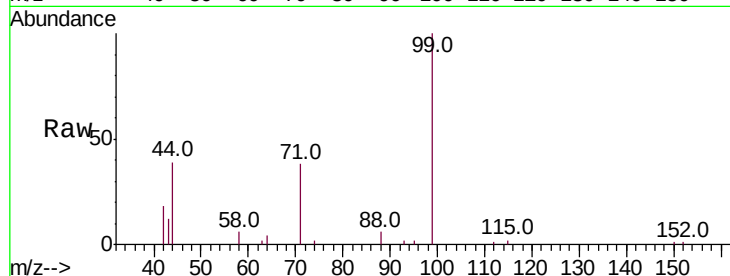
Tot Ion: 99 Resp: 12233

Ion Ratio Lower Upper

99 100

42 14.6 11.8 17.6

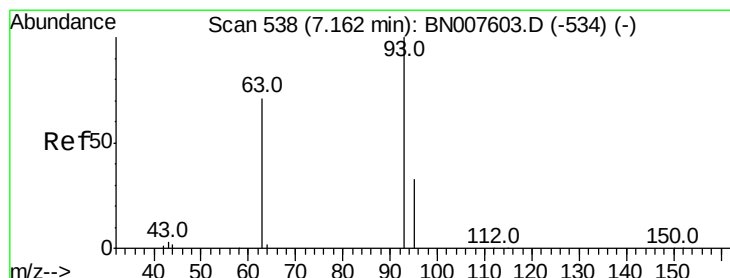
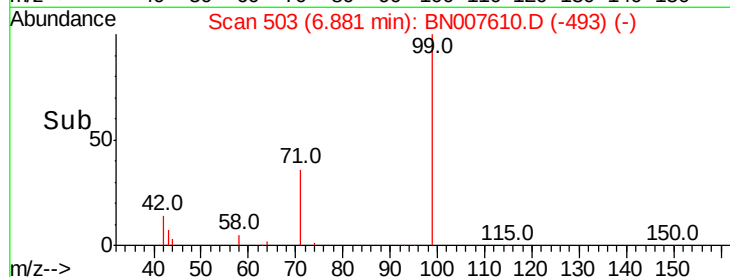
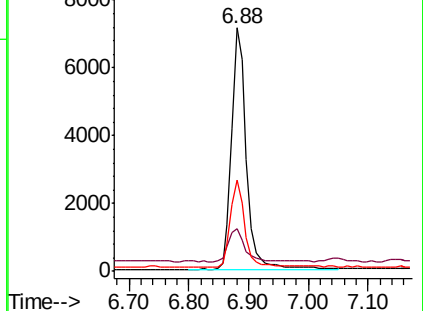
71 35.2 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BN007610.D (-505) (-)

Ion 42.00 (41.70 to 42.70): BN007610.D (-505) (-)

Ion 71.00 (70.70 to 71.70): BN007610.D (-505) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.393 ng

RT: 7.15 min Scan# 537

Delta R.T. -0.01 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

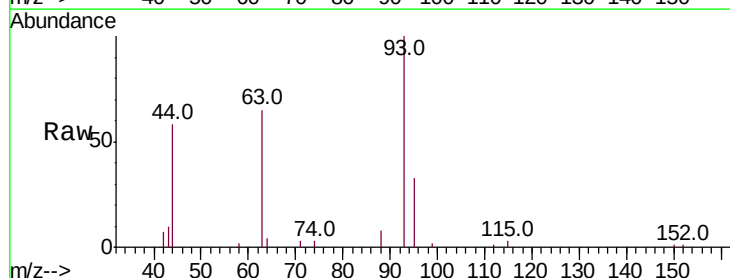
Tgt Ion: 93 Resp: 9649

Ion Ratio Lower Upper

93 100

63 75.8 61.2 91.8

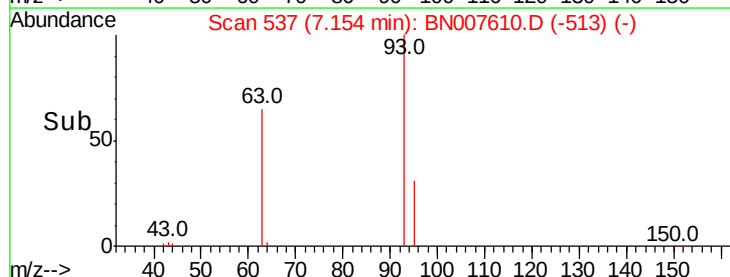
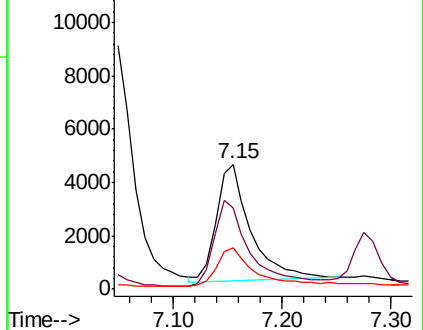
95 38.0 27.2 40.8

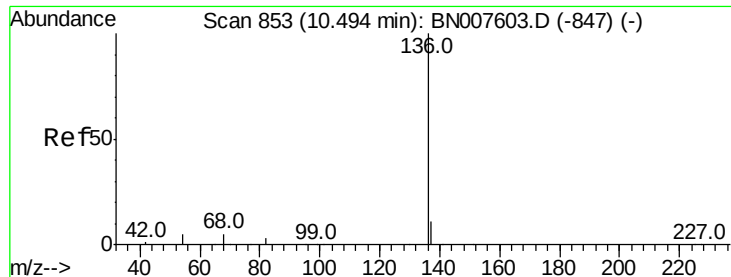


Abundance Ion 93.00 (92.70 to 93.70): BN007610.D (-540) (-)

Ion 63.00 (62.70 to 63.70): BN007610.D (-540) (-)

Ion 95.00 (94.70 to 95.70): BN007610.D (-540) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.48 min Scan# 852

Delta R.T. -0.01 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 32082

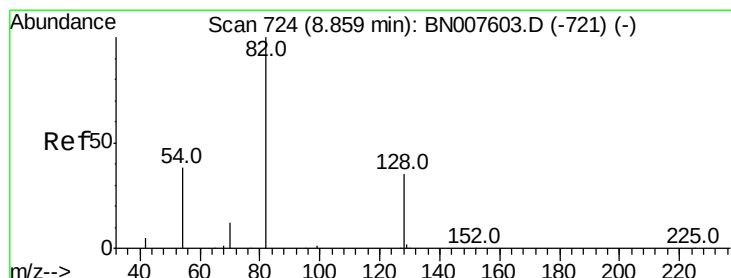
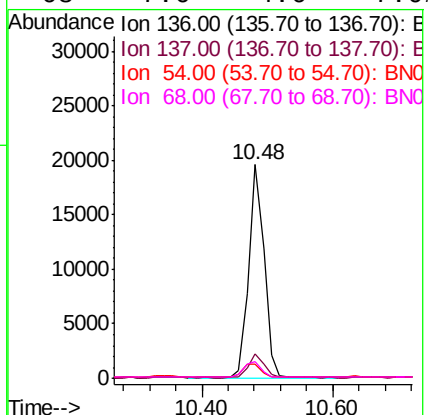
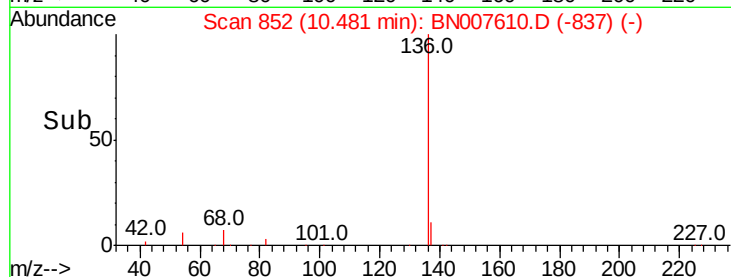
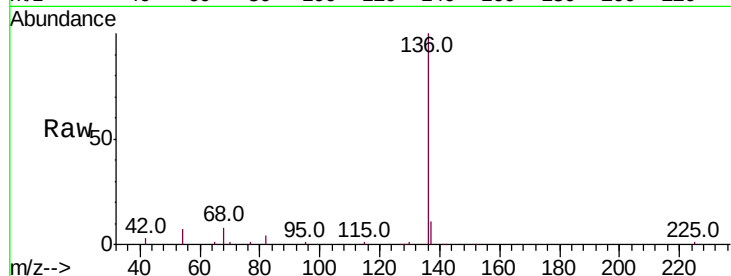
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 6.8 4.2 6.4#

68 7.6 4.6 7.0#



#8

Nitrobenzene-d5

Concen: 0.411 ng

RT: 8.85 min Scan# 723

Delta R.T. -0.01 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

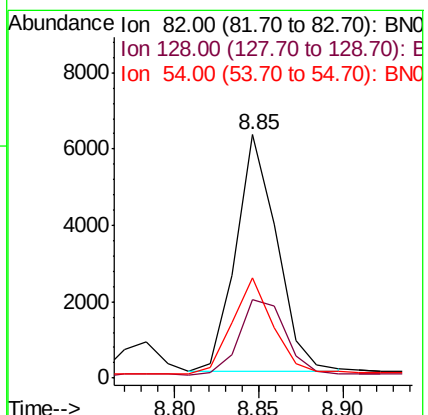
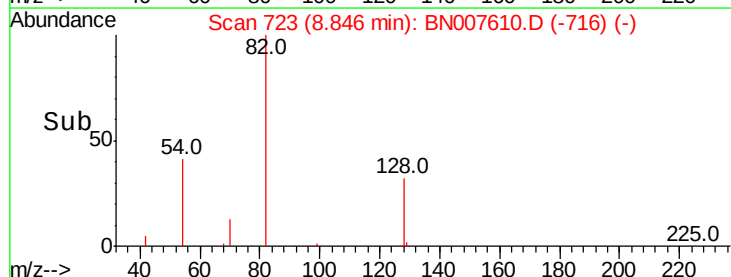
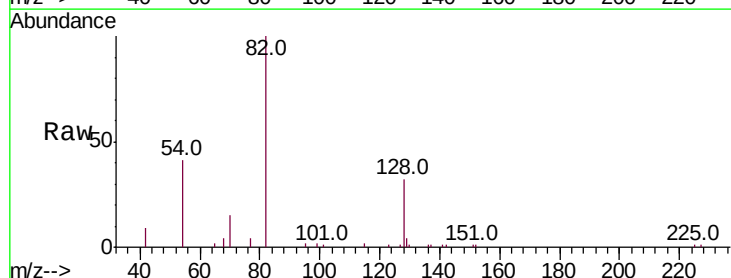
Tgt Ion: 82 Resp: 10530

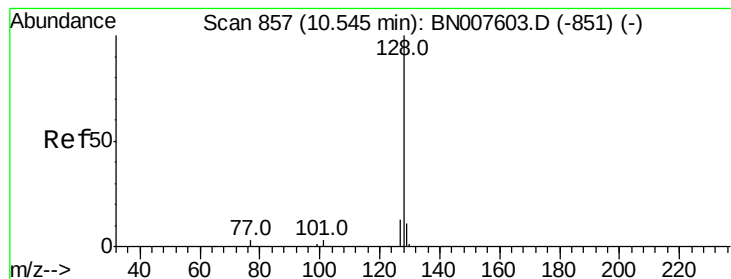
Ion Ratio Lower Upper

82 100

128 32.3 27.9 41.9

54 41.4 30.9 46.3





#9

Naphthalene

Concen: 0.425 ng

RT: 10.53 min Scan# 856

Delta R.T. -0.01 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

Instrument :

BNA_N

ClientSampleId :

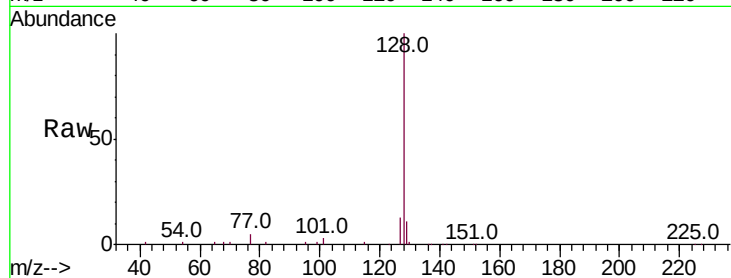
Tot Ion:128 Resp: 39045

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

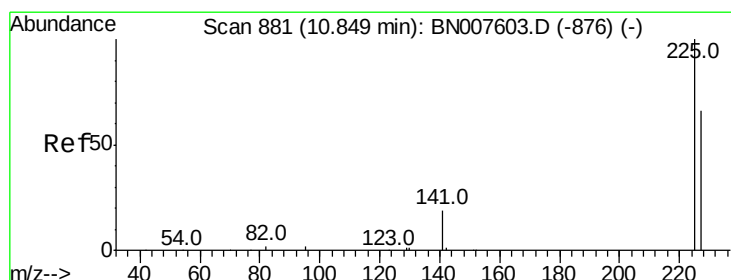
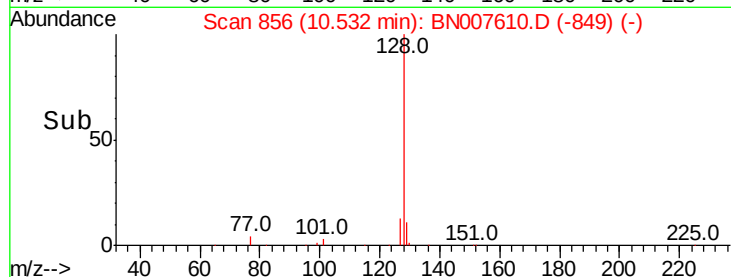
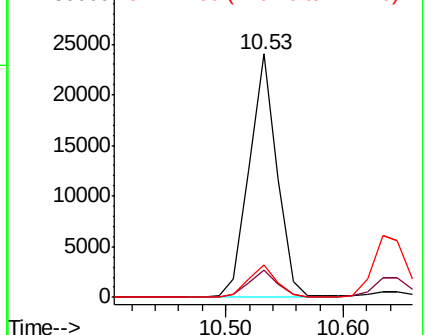
127 13.4 10.4 15.6



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: 0.422 ng

RT: 10.84 min Scan# 880

Delta R.T. -0.01 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

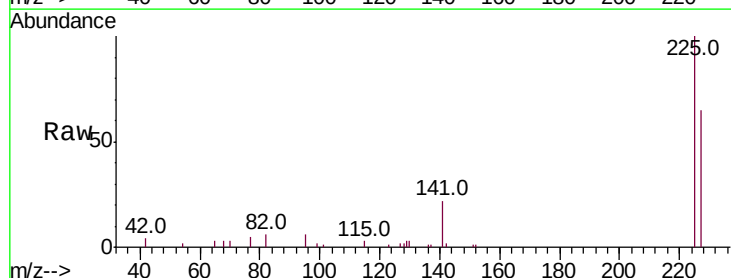
Tgt Ion:225 Resp: 7825

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

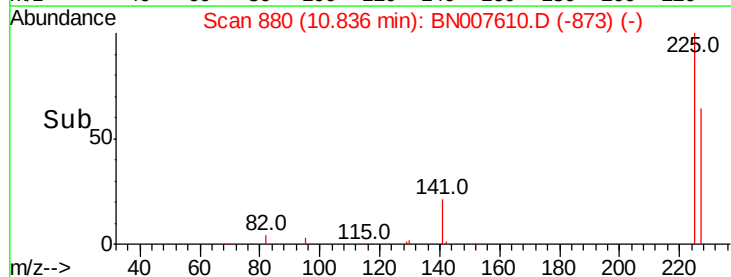
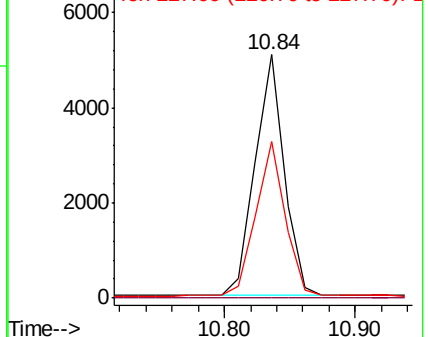
227 64.0 51.3 76.9

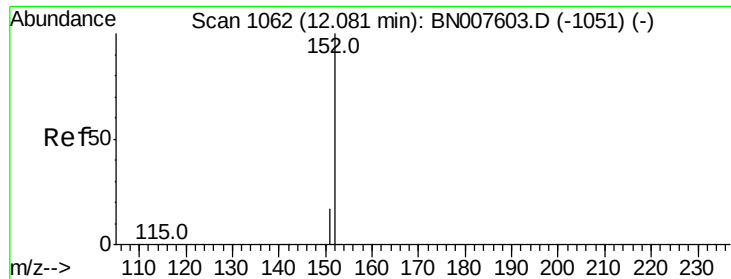


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

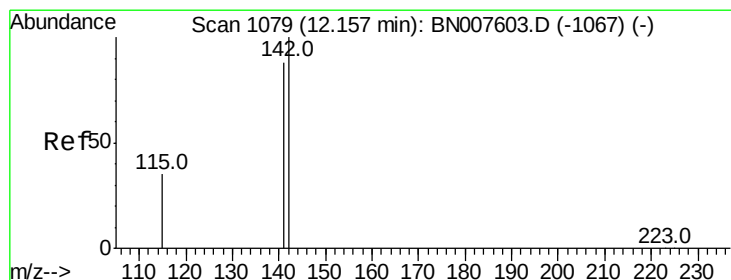
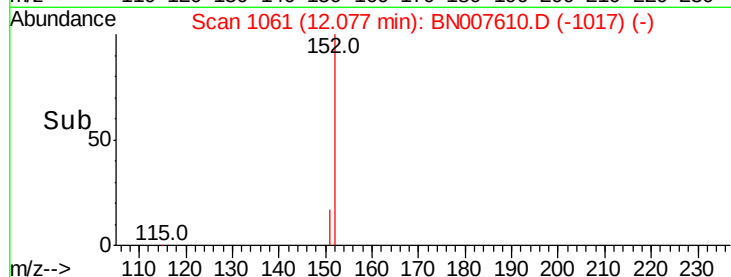
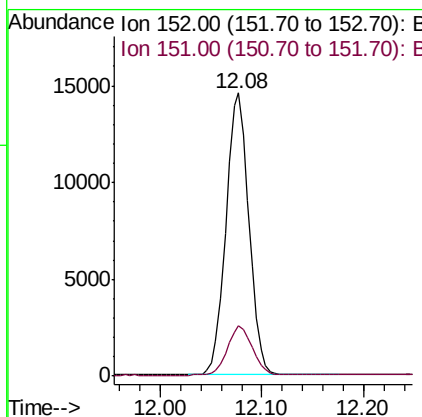
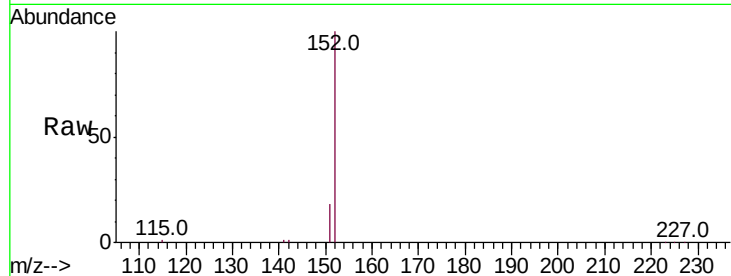




#11
 2-Methylnaphthalene-d10
 Concen: 0.421 ng
 RT: 12.08 min Scan# 1061
 Delta R.T. -0.00 min
 Lab File: BN007610.D
 Acq: 12 Sep 2019 16:43

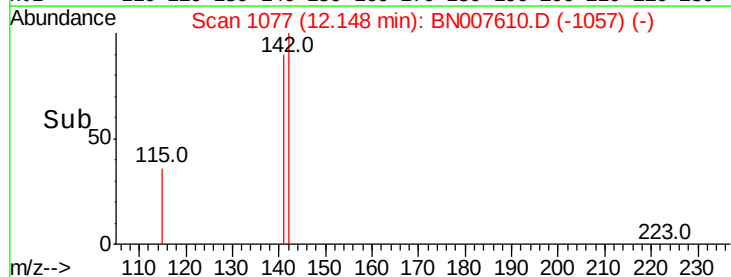
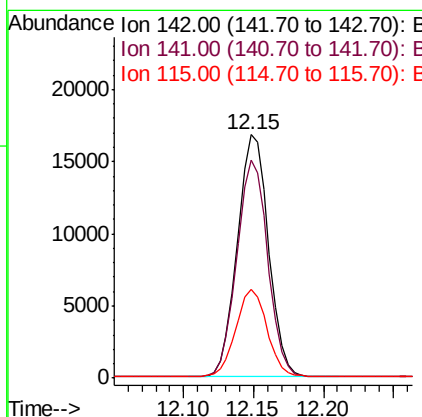
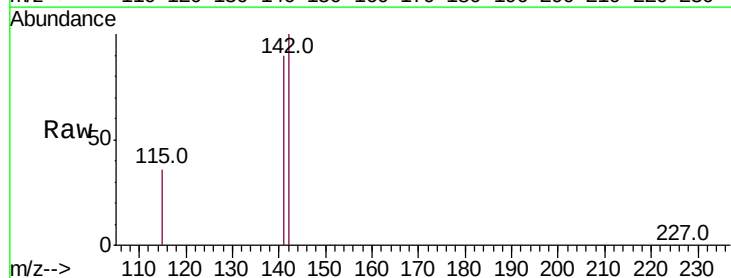
Instrument :
 BNA_N
 ClientSampleId :

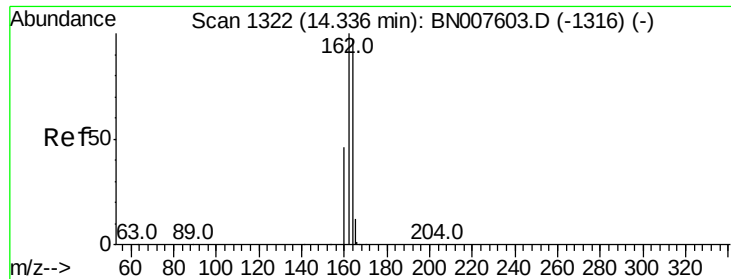
Tot Ion:152 Resp: 22870
 Ion Ratio Lower Upper
 152 100
 151 19.1 15.3 22.9



#12
 2-Methylnaphthalene
 Concen: 0.421 ng
 RT: 12.15 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: BN007610.D
 Acq: 12 Sep 2019 16:43

Tgt Ion:142 Resp: 26030
 Ion Ratio Lower Upper
 142 100
 141 89.8 70.5 105.7
 115 36.4 28.4 42.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.34 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

Instrument :

BNA_N

ClientSampleId :

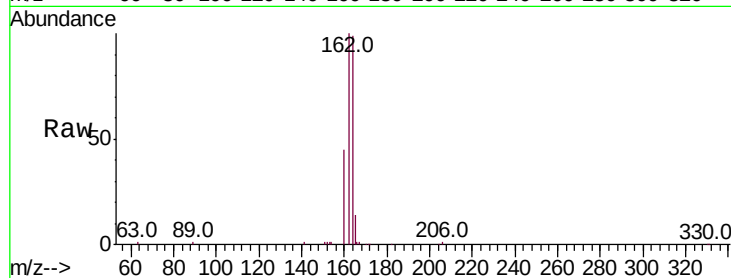
Tot Ion:164 Resp: 18122

Ion Ratio Lower Upper

164 100

162 101.3 82.8 124.2

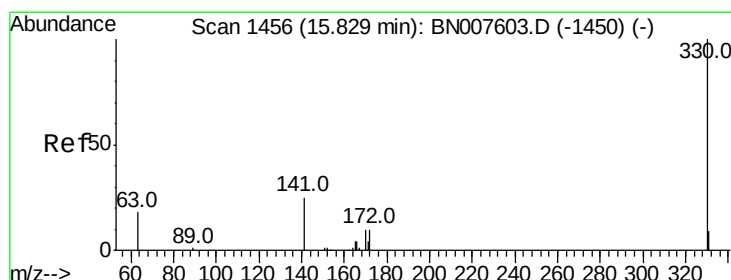
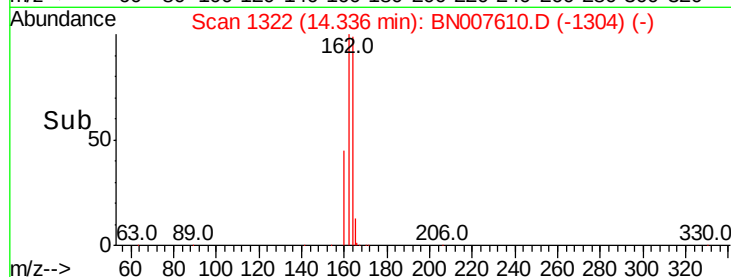
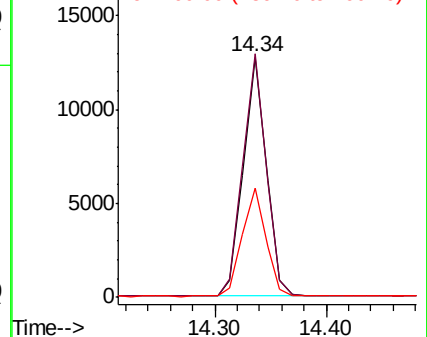
160 45.5 38.0 57.0



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: 0.327 ng

RT: 15.83 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

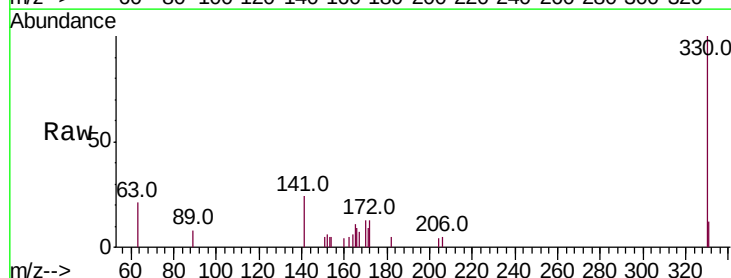
Tgt Ion:330 Resp: 2241

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

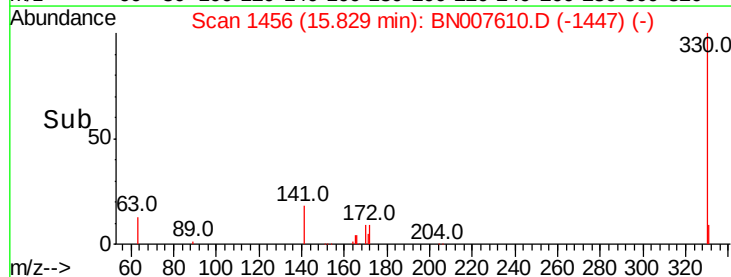
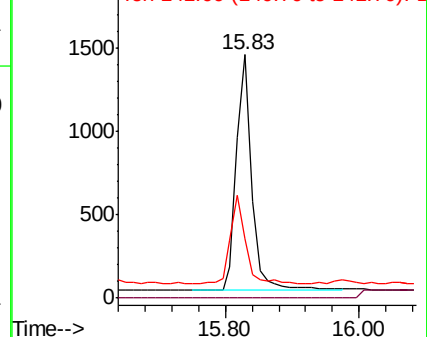
141 37.9 30.1 45.1

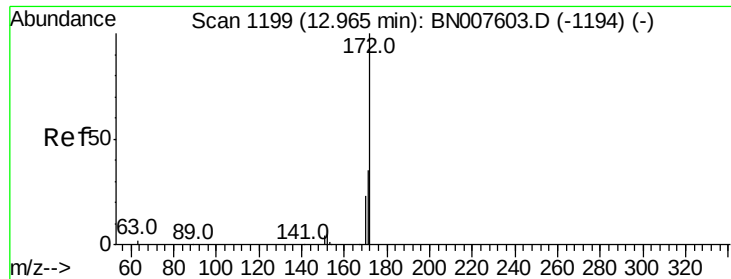


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

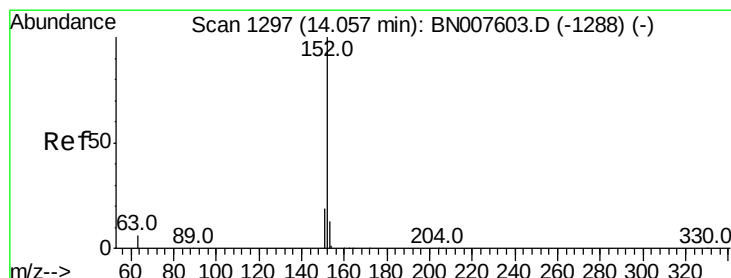
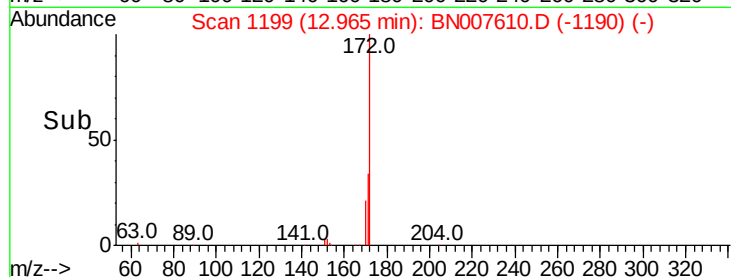
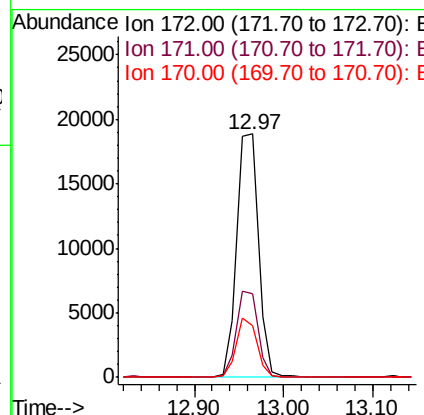
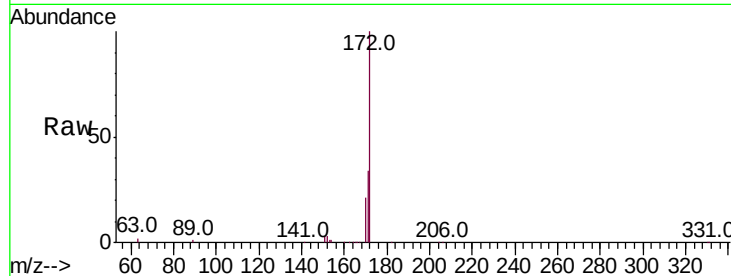




#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 12.97 min Scan# 1199
Delta R.T. -0.00 min
Lab File: BN007610.D
Acq: 12 Sep 2019 16:43

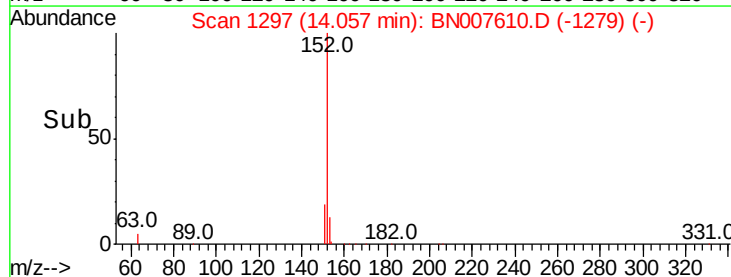
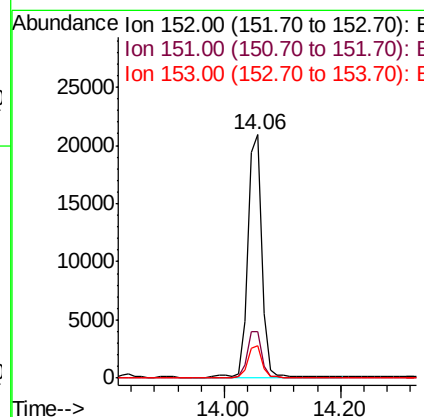
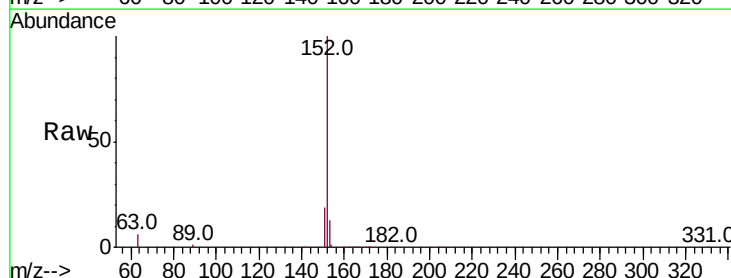
Instrument :
BNA_N
ClientSampleId :

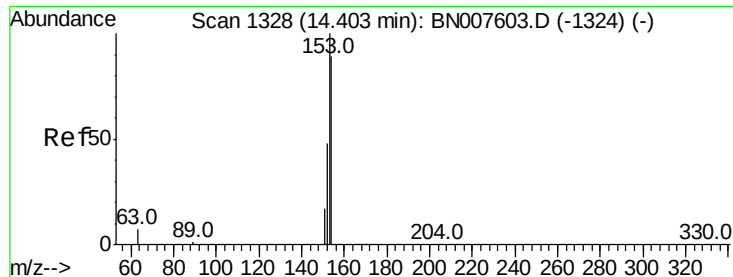
Tot Ion:172 Resp: 31540
Ion Ratio Lower Upper
172 100
171 34.2 27.9 41.9
170 21.4 18.5 27.7



#16
Acenaphthylene
Concen: 0.373 ng
RT: 14.06 min Scan# 1297
Delta R.T. -0.00 min
Lab File: BN007610.D
Acq: 12 Sep 2019 16:43

Tgt Ion:152 Resp: 35131
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 13.0 10.4 15.6





#17

Acenaphthene

Concen: 0.392 ng

RT: 14.40 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

Instrument :

BNA_N

ClientSampleId :

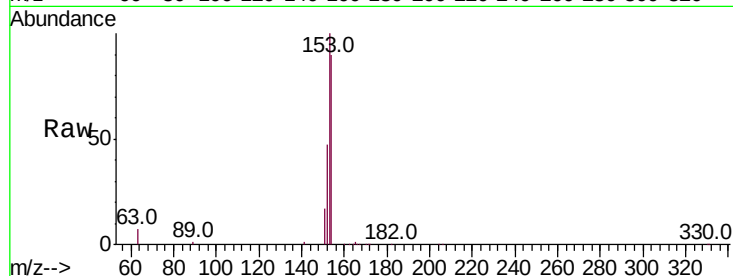
Tot Ion:154 Resp: 24124

Ion Ratio Lower Upper

154 100

153 112.9 89.8 134.8

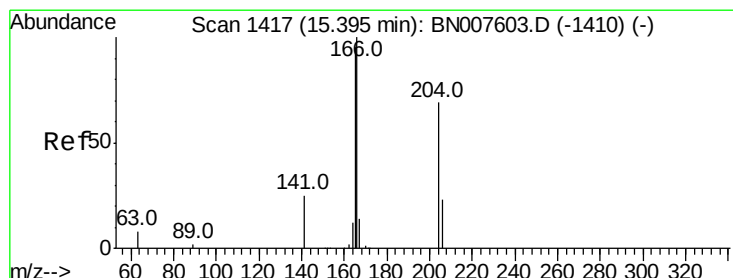
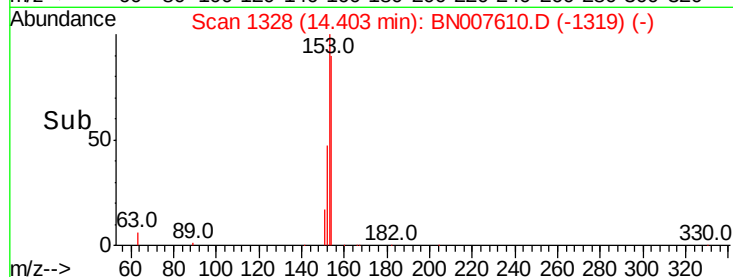
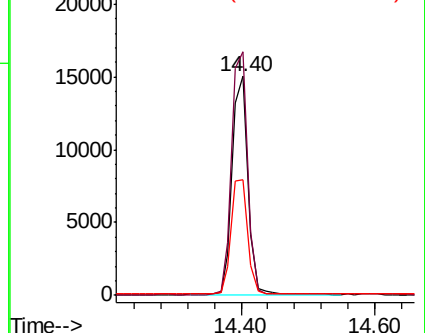
152 55.4 43.8 65.8



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: 0.389 ng

RT: 15.38 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

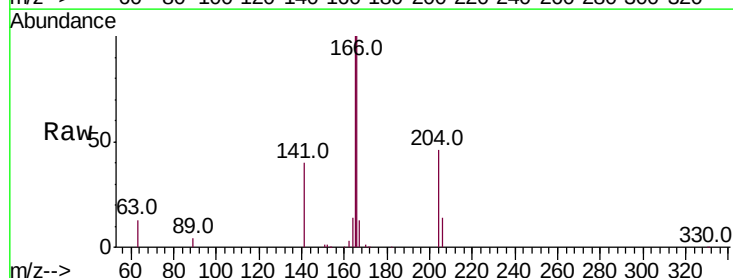
Tgt Ion:166 Resp: 30211

Ion Ratio Lower Upper

166 100

165 98.2 77.8 116.6

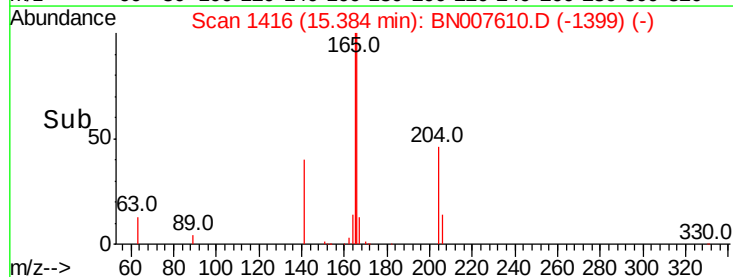
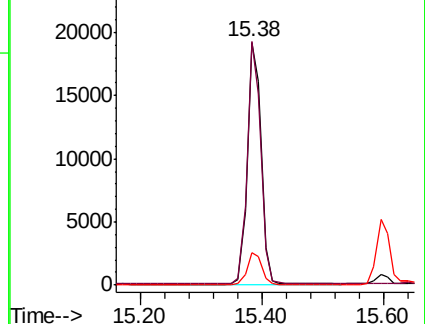
167 13.6 10.8 16.2

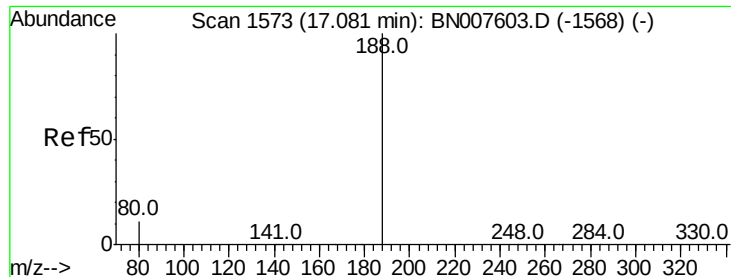


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.08 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

Instrument :

BNA_N

ClientSampleId :

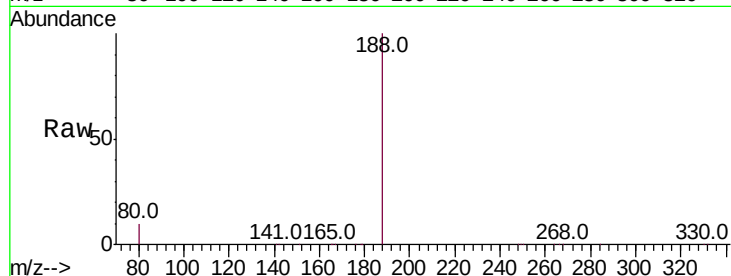
Tot Ion:188 Resp: 37165

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

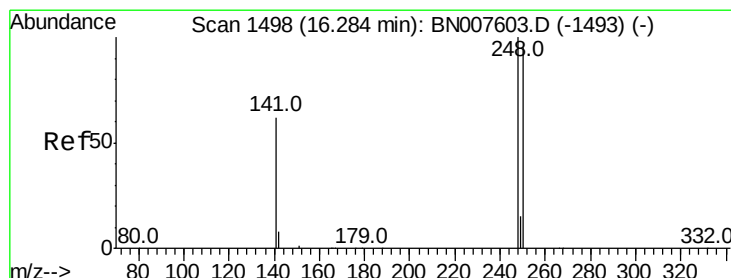
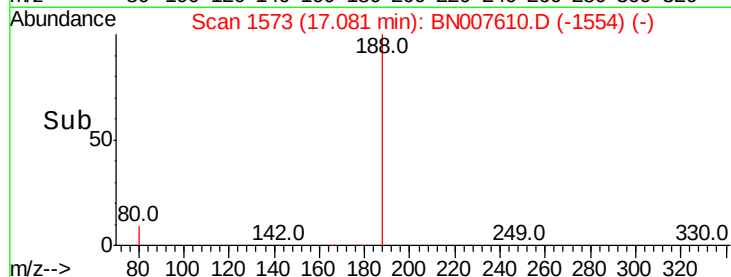
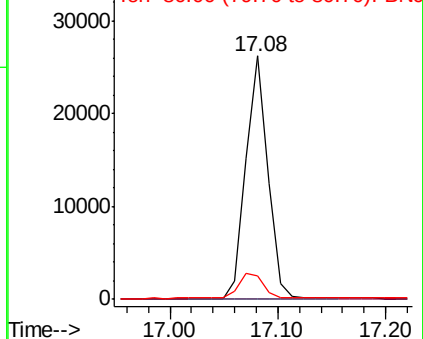
80 9.8 8.8 13.2



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: 0.429 ng

RT: 16.28 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

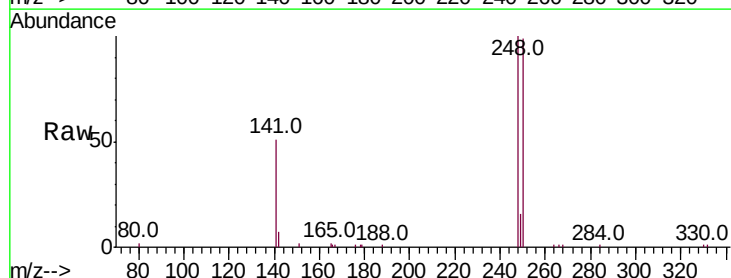
Tgt Ion:248 Resp: 9848

Ion Ratio Lower Upper

248 100

250 99.1 76.3 114.5

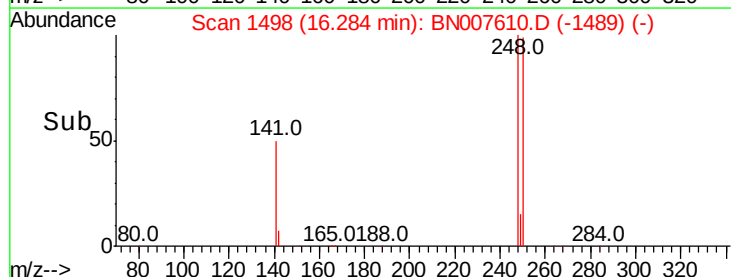
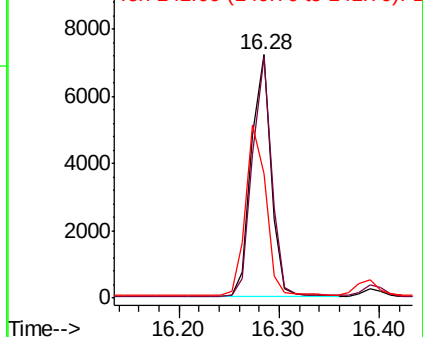
141 51.0 49.7 74.5

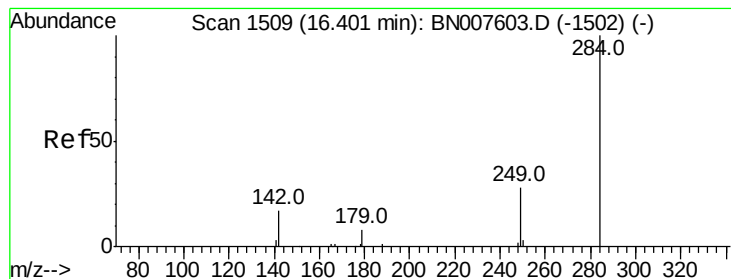


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.433 ng

RT: 16.40 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

Instrument :

BNA_N

ClientSampleId :

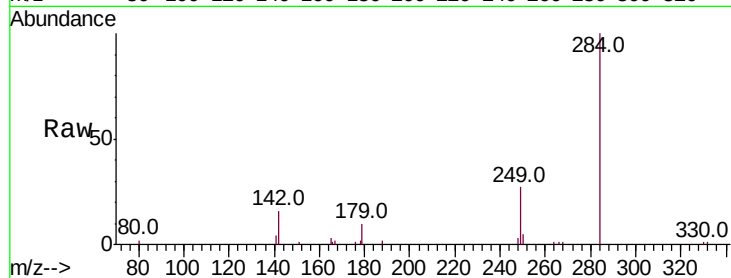
Tot Ion:284 Resp: 10634

Ion Ratio Lower Upper

284 100

142 35.3 27.8 41.6

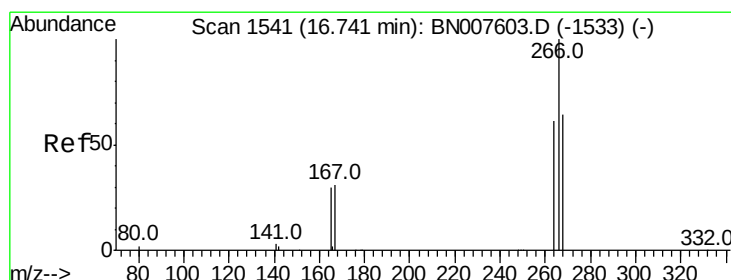
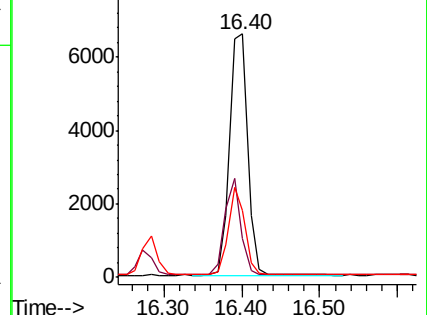
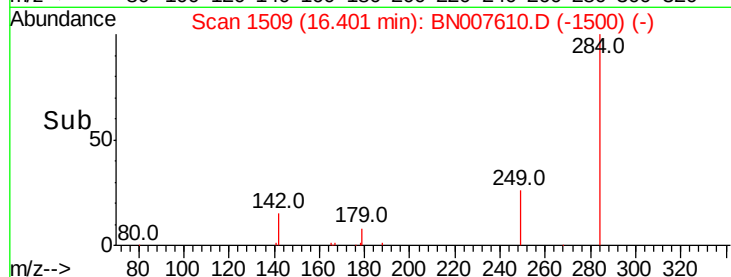
249 31.9 25.5 38.3



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: 0.367 ng

RT: 16.73 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

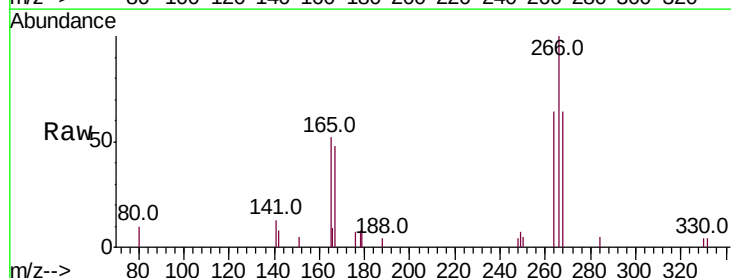
Tgt Ion:266 Resp: 2343

Ion Ratio Lower Upper

266 100

264 64.2 49.4 74.0

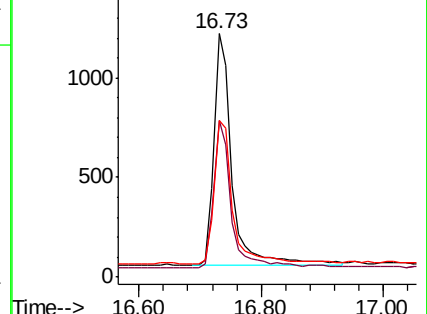
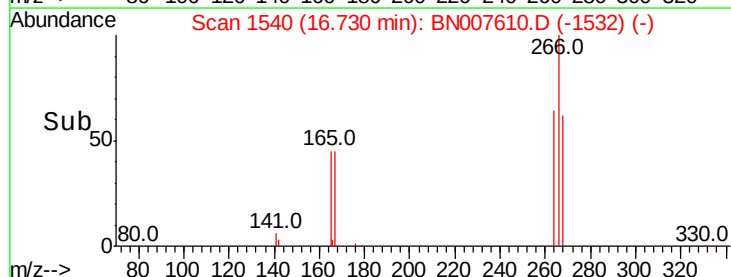
268 64.1 53.0 79.6

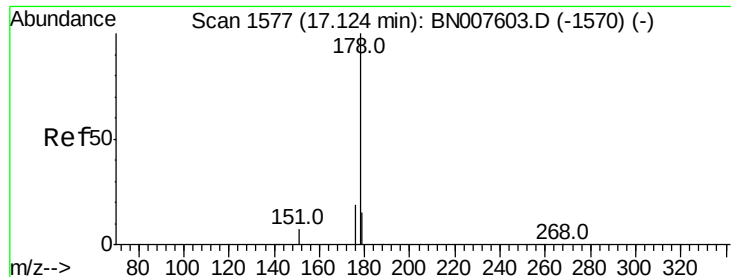


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.427 ng

RT: 17.12 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

Instrument :

BNA_N

ClientSampleId :

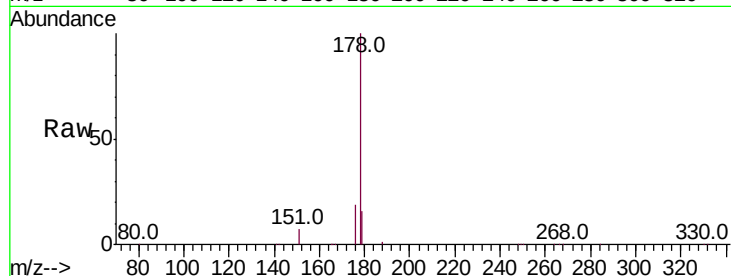
Tot Ion:178 Resp: 50058

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.6

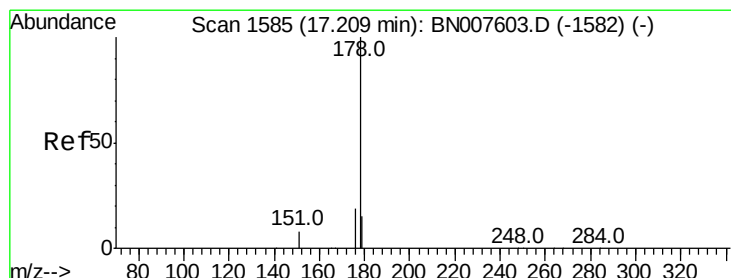
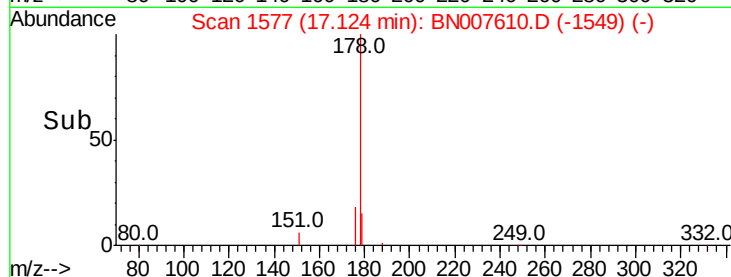
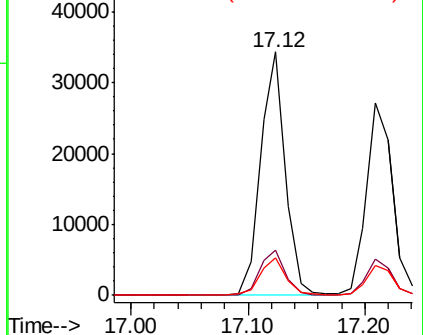
179 15.4 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.409 ng

RT: 17.21 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

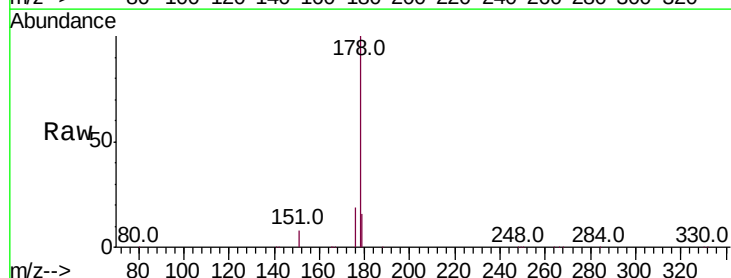
Tgt Ion:178 Resp: 42560

Ion Ratio Lower Upper

178 100

176 18.0 14.5 21.7

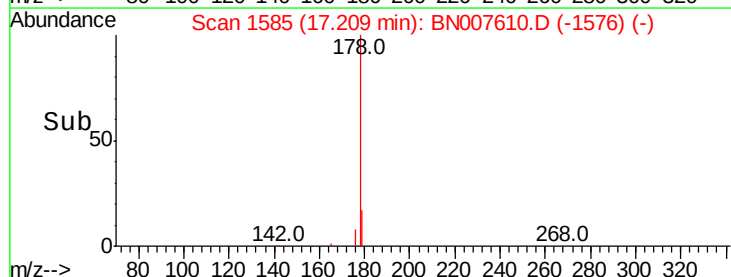
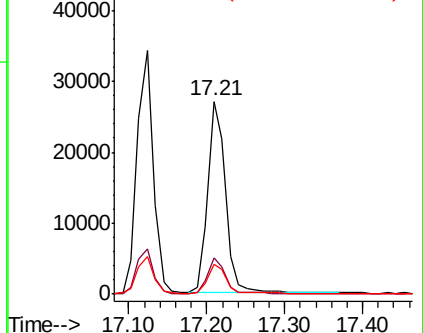
179 15.3 12.4 18.6

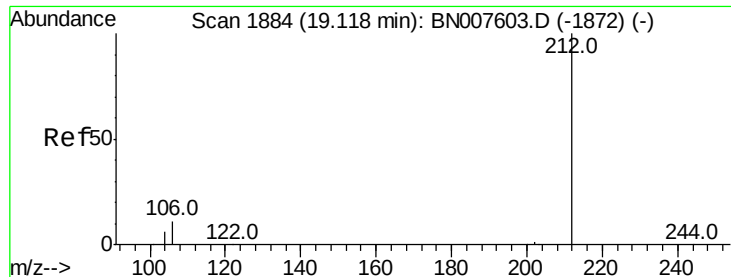


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.426 ng

RT: 19.12 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

Instrument :

BNA_N

ClientSampled :

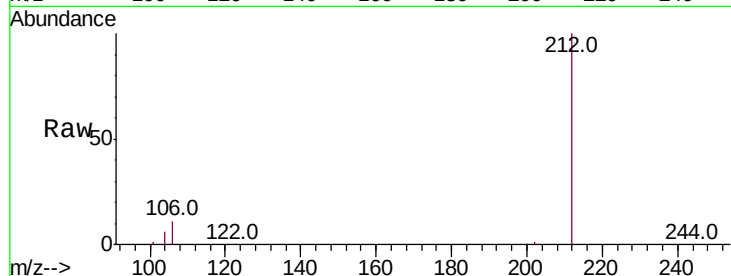
Tot Ion:212 Resp: 49912

Ion Ratio Lower Upper

212 100

106 11.9 9.6 14.4

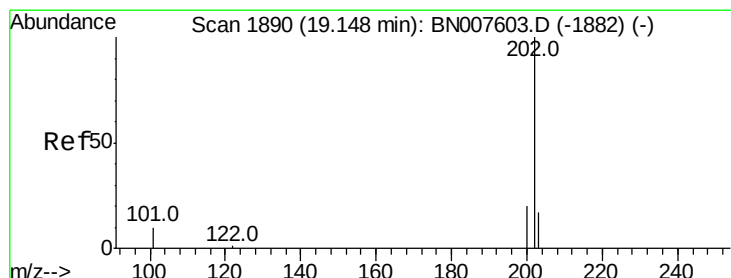
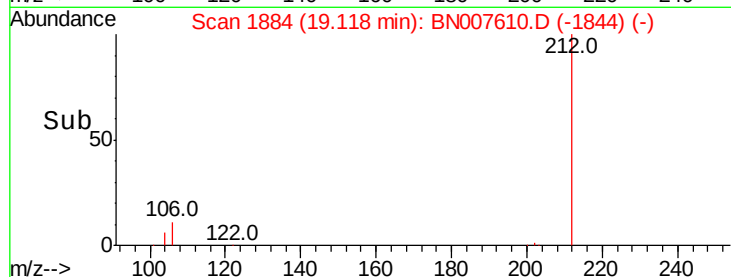
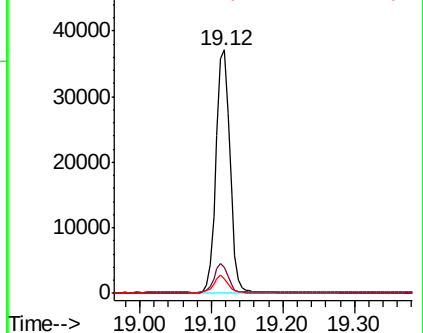
104 6.7 5.4 8.0



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: 0.423 ng

RT: 19.14 min Scan# 1889

Delta R.T. -0.01 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

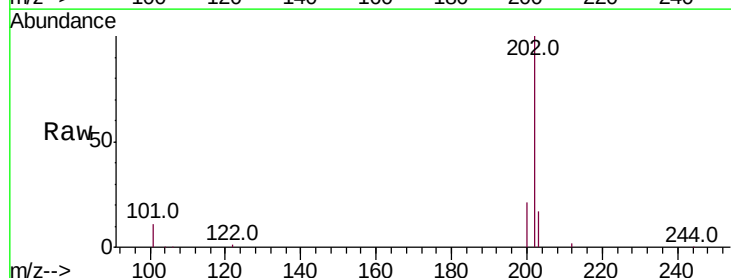
Tgt Ion:202 Resp: 57957

Ion Ratio Lower Upper

202 100

101 10.8 8.6 13.0

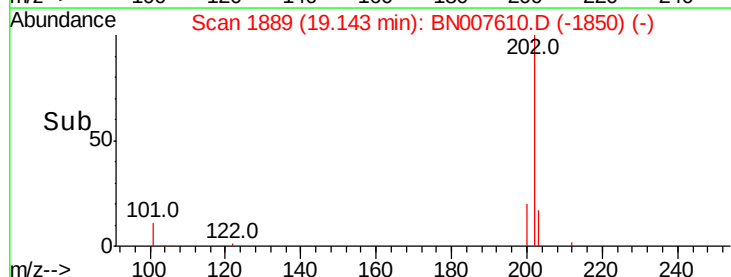
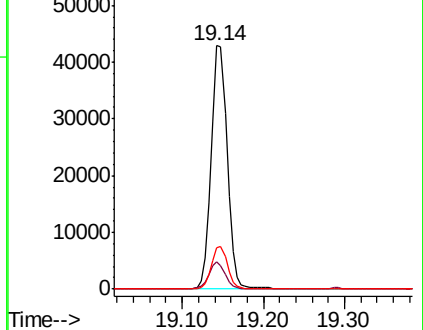
203 17.3 13.8 20.6

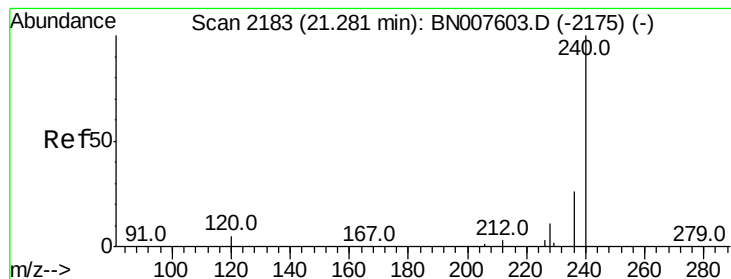


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.28 min Scan# 2183

Delta R.T. -0.00 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

Instrument :

BNA_N

ClientSampleId :

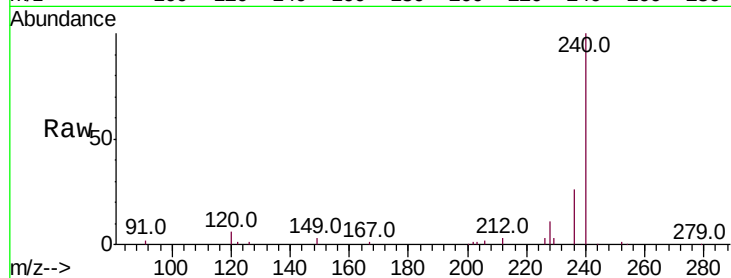
Tot Ion:240 Resp: 37095

Ion Ratio Lower Upper

240 100

120 5.5 4.3 6.5

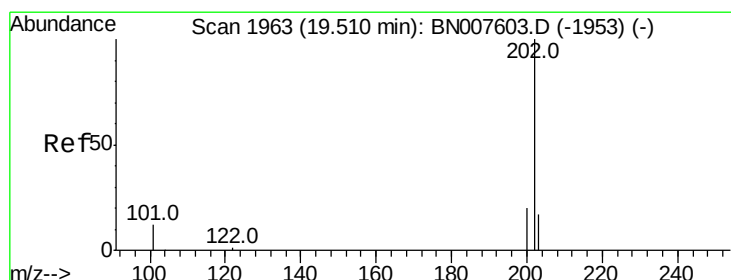
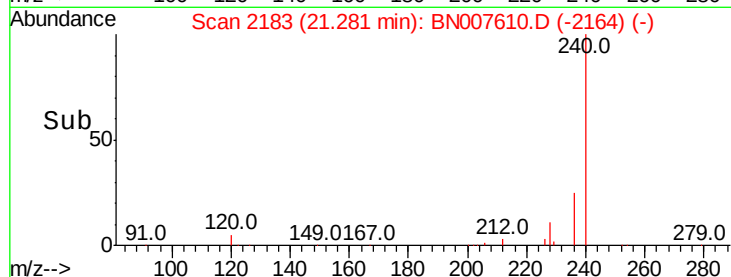
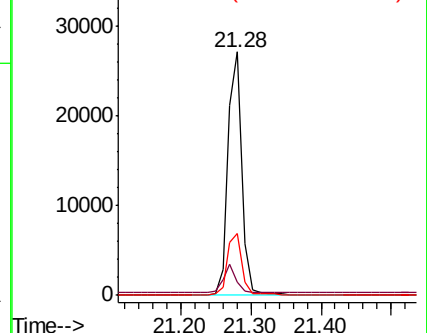
236 25.6 20.8 31.2



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: 0.429 ng

RT: 19.51 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

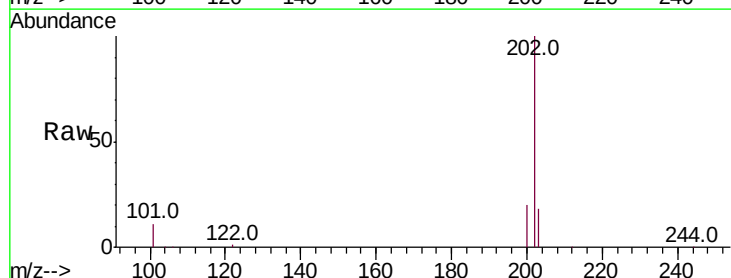
Tgt Ion:202 Resp: 57804

Ion Ratio Lower Upper

202 100

200 20.5 16.4 24.6

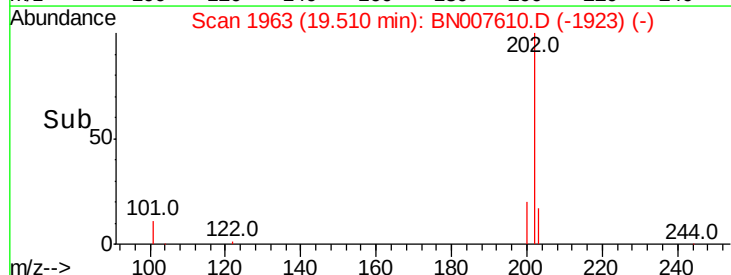
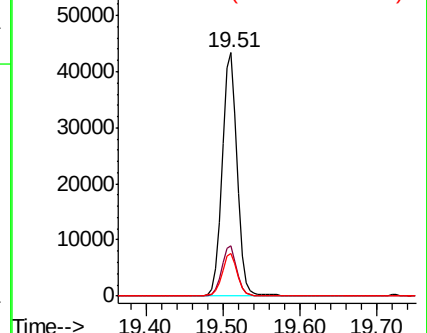
203 17.4 14.0 21.0

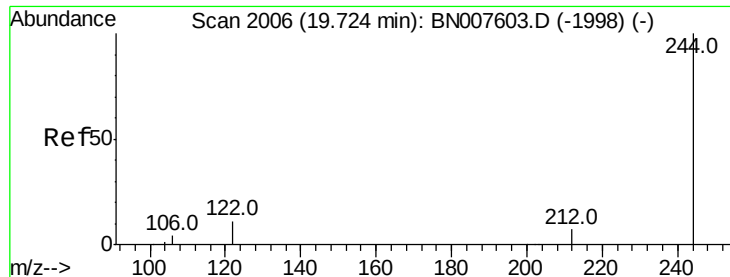


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.424 ng

RT: 19.72 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

Instrument :

BNA_N

ClientSampleId :

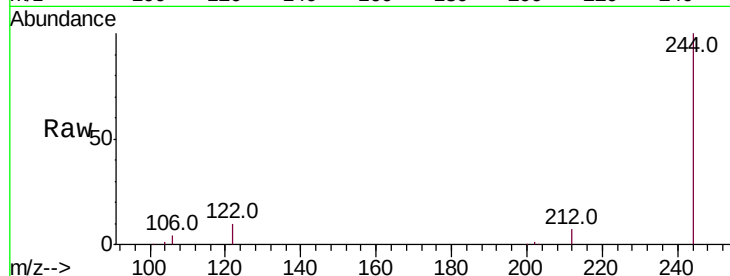
Tot Ion:244 Resp: 41517

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

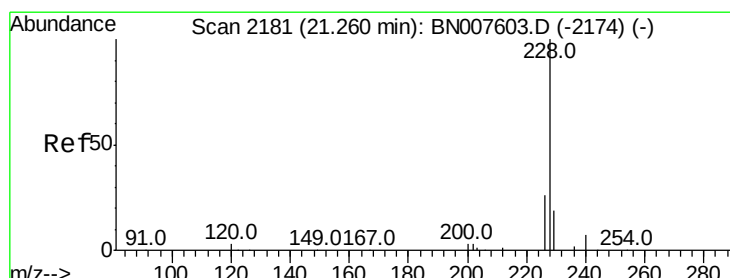
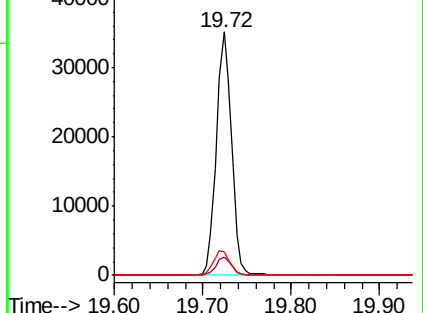
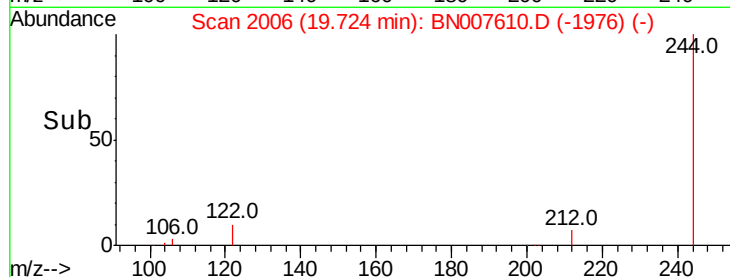
122 9.9 8.6 12.8



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: 0.413 ng

RT: 21.26 min Scan# 2181

Delta R.T. -0.00 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

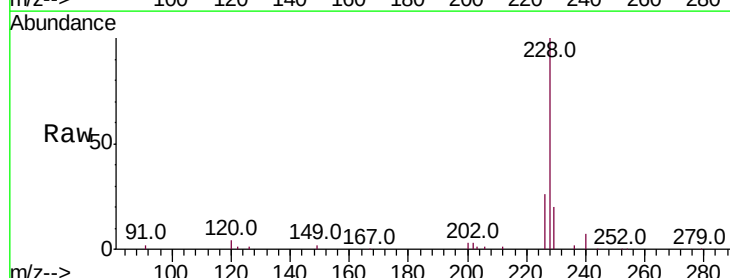
Tgt Ion:228 Resp: 54416

Ion Ratio Lower Upper

228 100

226 26.4 21.2 31.8

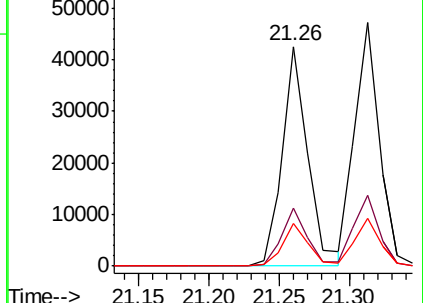
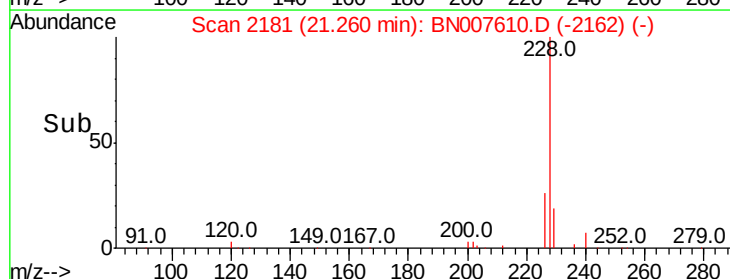
229 19.5 15.5 23.3

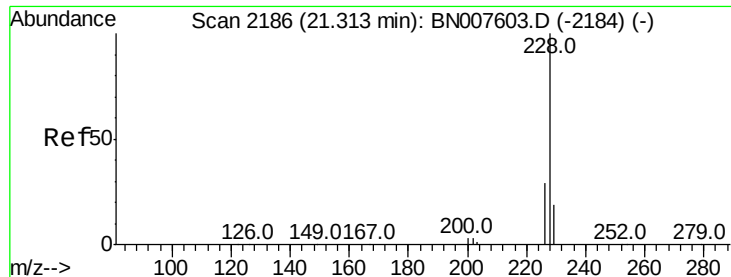


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.421 ng

RT: 21.31 min Scan# 2186

Delta R.T. -0.00 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

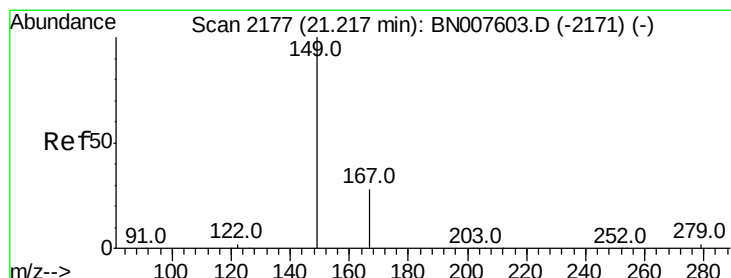
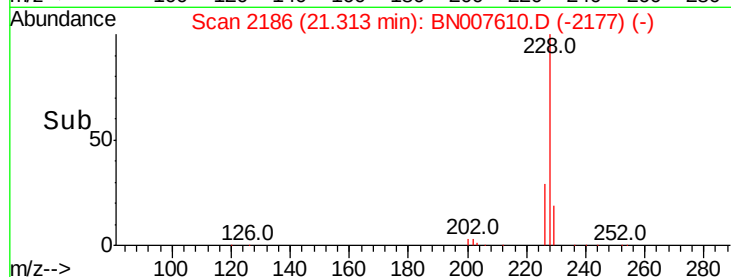
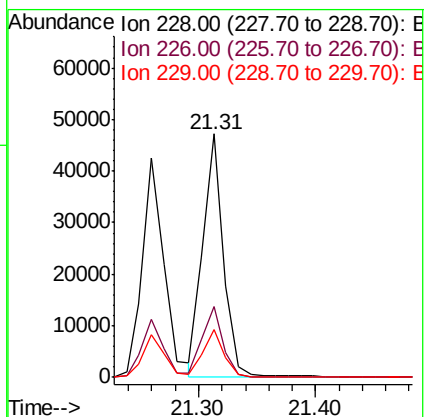
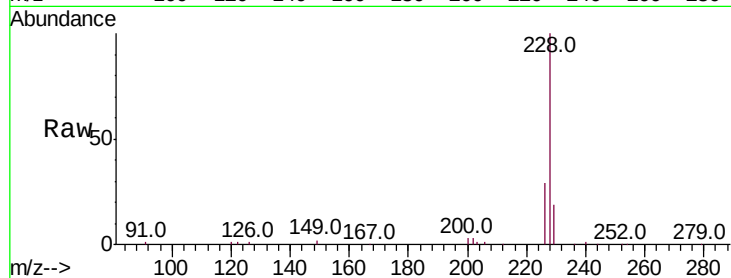
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 57594

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.4	35.2
229	19.4	15.5	23.3



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.367 ng

RT: 21.22 min Scan# 2177

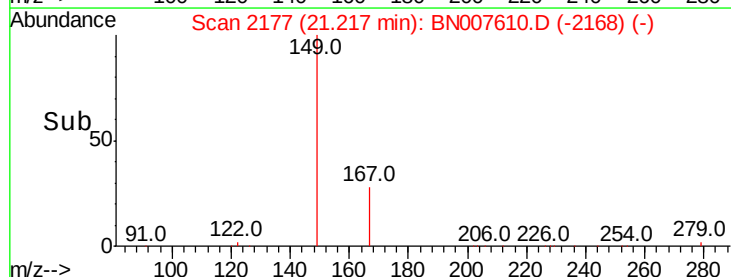
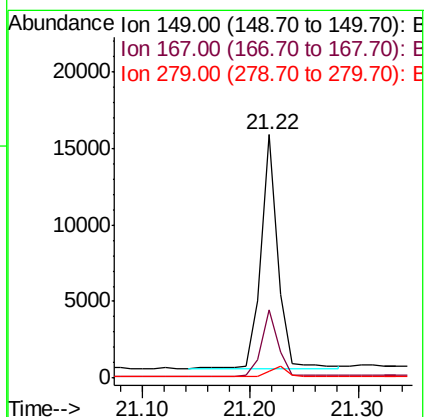
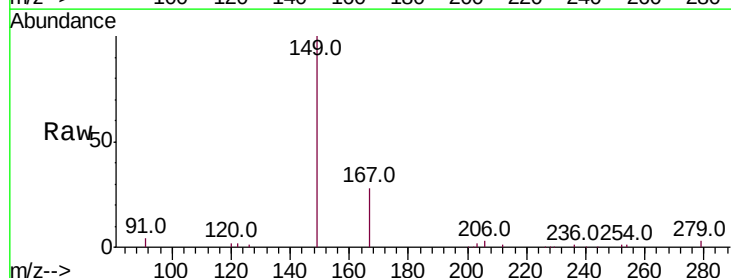
Delta R.T. -0.00 min

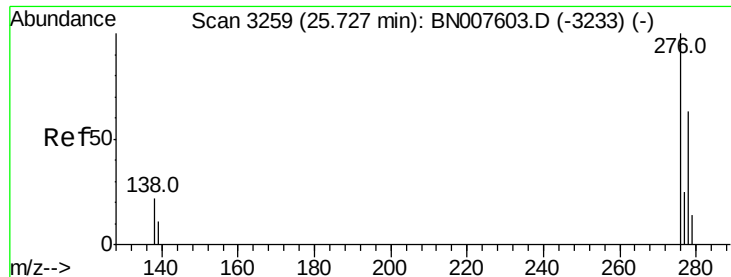
Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

Tgt Ion:149 Resp: 16364

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.6	34.0
279	4.7	3.8	5.6





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.424 ng

RT: 25.72 min Scan# 3258

Delta R.T. -0.00 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

Instrument :

BNA_N

ClientSampleId :

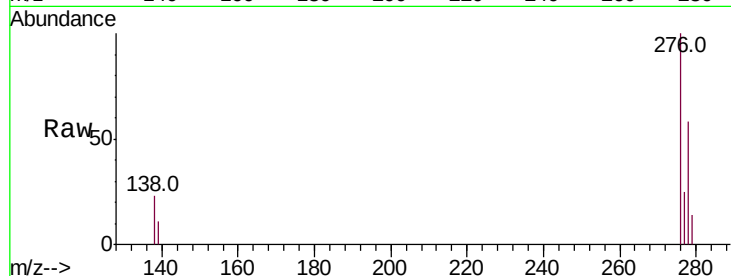
Tot Ion:276 Resp: 62036

Ion Ratio Lower Upper

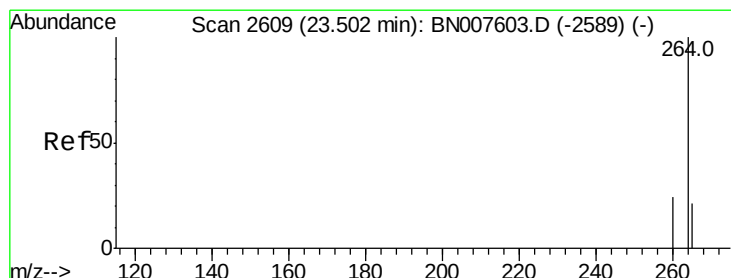
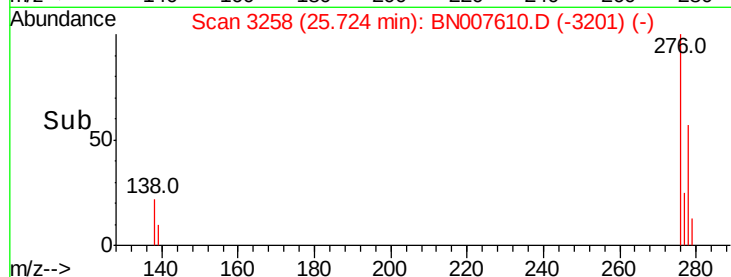
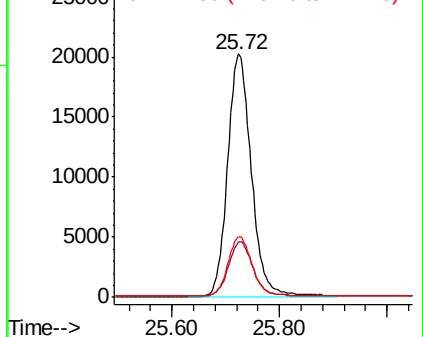
276 100

138 23.0 18.2 27.4

277 25.0 20.1 30.1



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: 23.50 min Scan# 2608

Delta R.T. -0.00 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

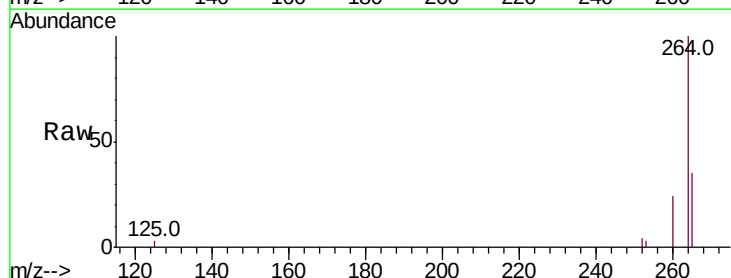
Tgt Ion:264 Resp: 37531

Ion Ratio Lower Upper

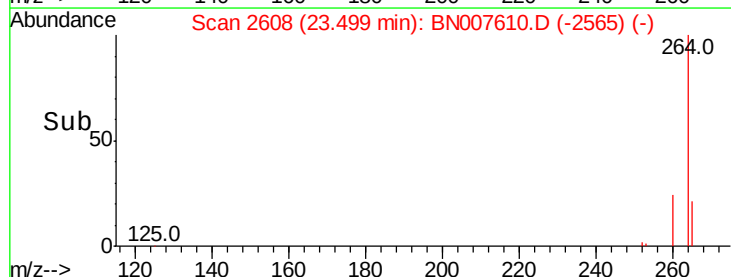
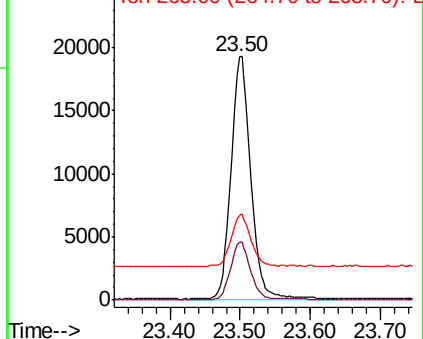
264 100

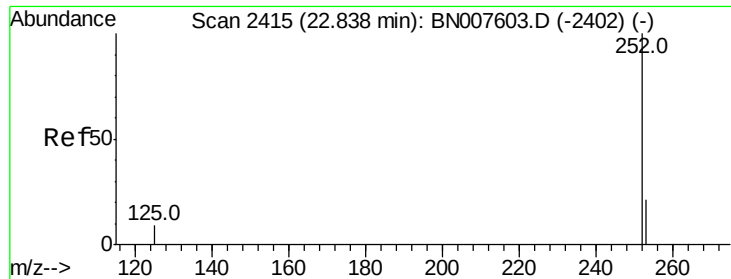
260 24.0 19.1 28.7

265 35.0 24.6 37.0



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: 0.394 ng

RT: 22.84 min Scan# 2415

Delta R.T. -0.00 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

Instrument :

BNA_N

ClientSampleId :

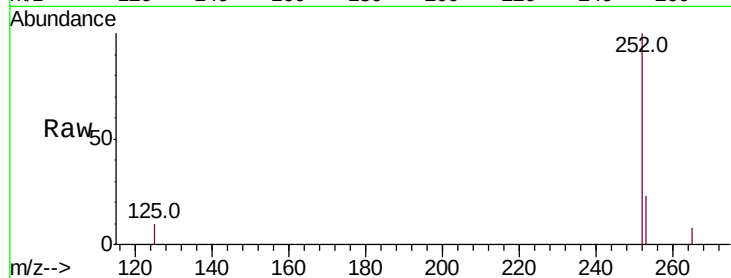
Tot Ion:252 Resp: 53741

Ion Ratio Lower Upper

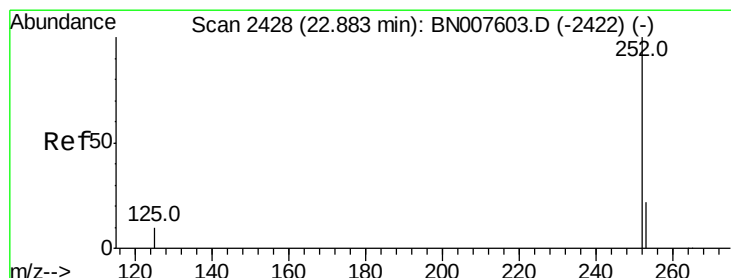
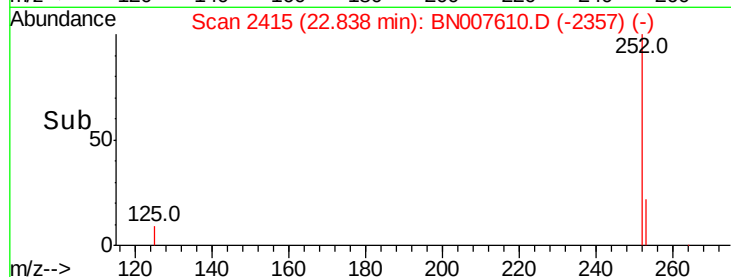
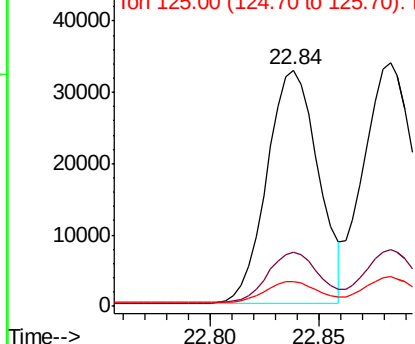
252 100

253 22.9 17.8 26.8

125 10.4 8.0 12.0



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



#36

Benzo(k)fluoranthene

Concen: 0.412 ng

RT: 22.88 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

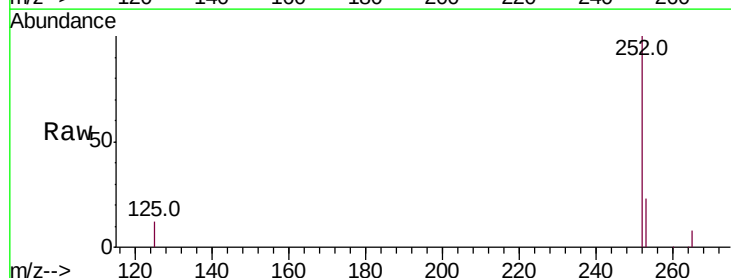
Tgt Ion:252 Resp: 57447

Ion Ratio Lower Upper

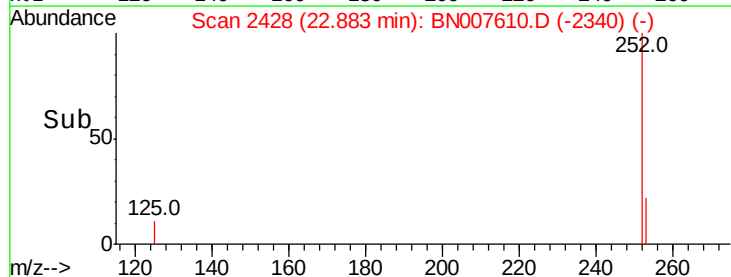
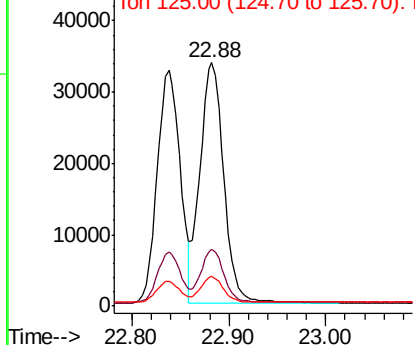
252 100

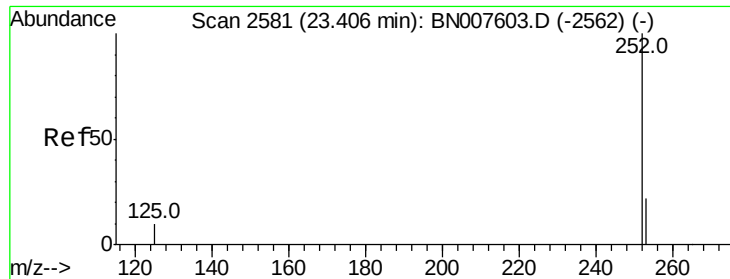
253 23.3 18.3 27.5

125 12.2 8.9 13.3



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: 0.389 ng

RT: 23.40 min Scan# 2580

Delta R.T. -0.00 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

Instrument :

BNA_N

ClientSampleId :

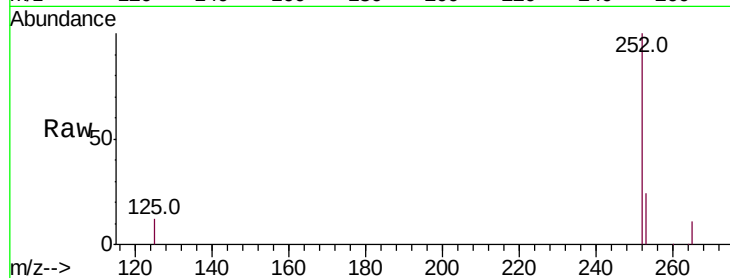
Tot Ion:252 Resp: 47051

Ion Ratio Lower Upper

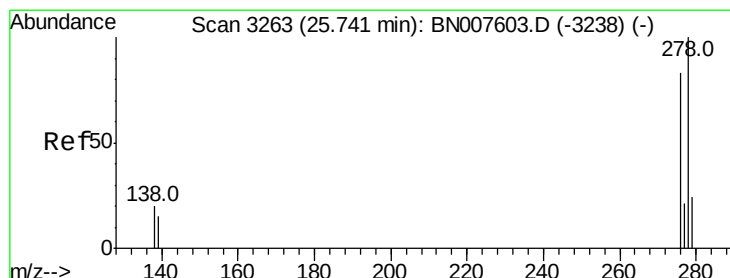
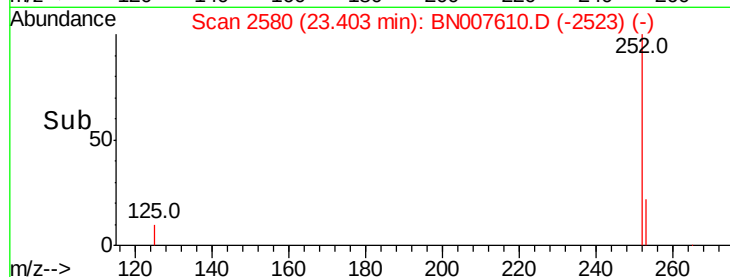
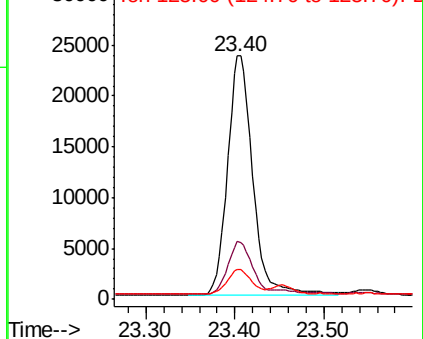
252 100

253 23.6 18.3 27.5

125 12.3 8.9 13.3



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: 0.407 ng

RT: 25.74 min Scan# 3263

Delta R.T. -0.00 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

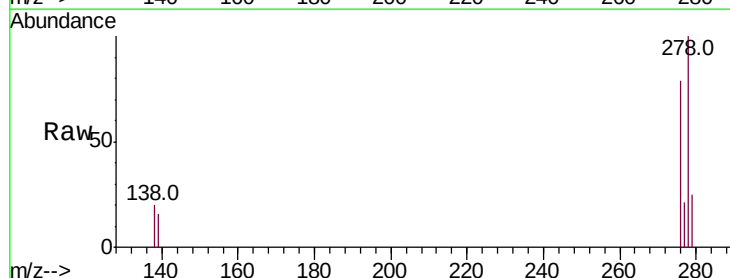
Tgt Ion:278 Resp: 51559

Ion Ratio Lower Upper

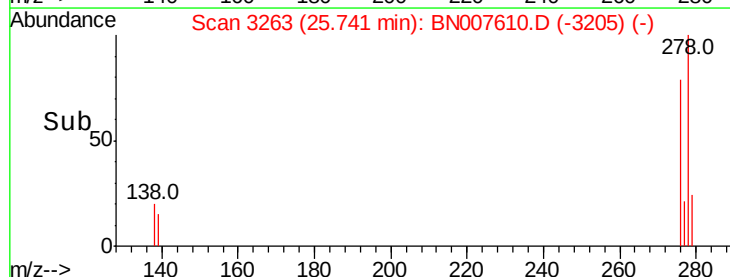
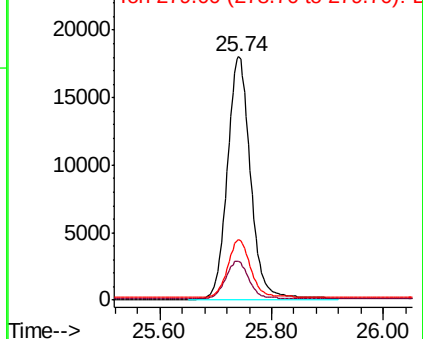
278 100

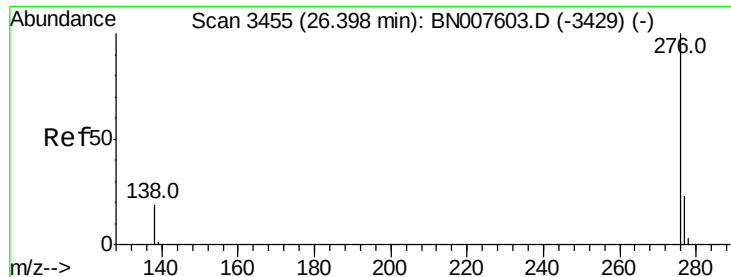
139 15.8 12.6 18.8

279 24.9 19.6 29.4



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: 0.402 ng

RT: 26.40 min Scan# 3455

Delta R.T. -0.00 min

Lab File: BN007610.D

Acq: 12 Sep 2019 16:43

Instrument :

BNA_N

ClientSampleId :

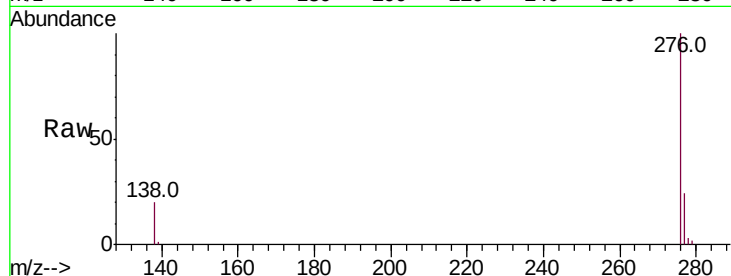
Tot Ion:276 Resp: 50416

Ion Ratio Lower Upper

276 100

277 24.1 19.1 28.7

138 20.3 15.8 23.6



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

